

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050619\
 Data File : VN055427.D
 Acq On : 6 May 2019 20:00
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 07 01:12:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	352166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	582064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	502097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	214980	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	247598	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	
35) Dibromofluoromethane	7.59	113	192611	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.09	98	682992	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
62) 4-Bromofluorobenzene	12.40	95	239404	55.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	199873	46.323	ug/l	99
3) Chloromethane	2.06	50	220524	41.275	ug/l	97
4) Vinyl Chloride	2.19	62	196857	45.709	ug/l	100
5) Bromomethane	2.56	94	107024	46.915	ug/l	94
6) Chloroethane	2.71	64	110012	47.153	ug/l	98
7) Trichlorofluoromethane	3.02	101	289374	47.252	ug/l	100
8) Diethyl Ether	3.41	74	117514	54.847	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	175243	48.054	ug/l	99
10) Methyl Iodide	3.96	142	246140	47.960	ug/l	99
11) Tert butyl alcohol	4.79	59	86728	328.801	ug/l	97
12) 1,1-Dichloroethene	3.74	96	167215	48.067	ug/l	99
13) Acrolein	3.61	56	63430	307.919	ug/l	99
14) Allyl chloride	4.33	41	365578	50.740	ug/l	98
15) Acrylonitrile	4.99	53	437141	294.842	ug/l	100
16) Acetone	3.82	43	346174	241.148	ug/l	100
17) Carbon Disulfide	4.06	76	365187	40.224	ug/l	98
18) Methyl Acetate	4.33	43	226861	65.188	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	560146	57.276	ug/l	99
20) Methylene Chloride	4.56	84	205880	46.987	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	175947	47.756	ug/l	99
22) Diisopropyl ether	5.95	45	780734	54.537	ug/l	95
23) Vinyl Acetate	5.90	43	2716629	289.545	ug/l	99
24) 1,1-Dichloroethane	5.85	63	388490	50.933	ug/l	100
25) 2-Butanone	6.84	43	539800	294.034	ug/l	99
26) 2,2-Dichloropropane	6.83	77	244717	46.462	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	214369	51.165	ug/l	99
28) Bromochloromethane	7.20	49	196970	51.231	ug/l	97
29) Tetrahydrofuran	7.21	42	364943	310.446	ug/l	99
30) Chloroform	7.37	83	374039	51.731	ug/l	99
31) Cyclohexane	7.65	56	330854	45.655	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	294061	50.111	ug/l	99
36) 1,1-Dichloropropene	7.80	75	256742	46.050	ug/l	99
37) Ethyl Acetate	6.93	43	235812	55.187	ug/l	99
38) Carbon Tetrachloride	7.78	117	242695	45.126	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	288713	48.706	ug/l	97
40) Benzene	8.04	78	787050	47.887	ug/l	100
41) Methacrylonitrile	7.17	41	139196	60.040	ug/l	95
42) 1,2-Dichloroethane	8.13	62	290662	49.932	ug/l	99
43) Isopropyl Acetate	8.17	43	419608	61.106	ug/l	97
44) Trichloroethene	8.84	130	199755	47.675	ug/l	99
45) 1,2-Dichloropropane	9.12	63	237555	50.114	ug/l	99
46) Dibromomethane	9.21	93	131880	50.898	ug/l	98
47) Bromodichloromethane	9.40	83	282013	50.735	ug/l	99
48) Methyl methacrylate	9.20	41	191567	56.747	ug/l	98
49) 1,4-Dioxane	9.20	88	43738	1253.355	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1160429	300.148	ug/l	100
52) Toluene	10.16	92	466036	49.419	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	260639	54.014	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	316357	52.583	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	185379	52.938	ug/l	99
56) Ethyl methacrylate	10.43	69	251571	58.366	ug/l	99
57) 1,3-Dichloropropane	10.71	76	324149	52.766	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	301827	226.846	ug/l	100
59) 2-Hexanone	10.75	43	734454	303.617	ug/l	99
60) Dibromochloromethane	10.90	129	194999	54.484	ug/l	100
61) 1,2-Dibromoethane	11.01	107	174563	53.932	ug/l	99
64) Tetrachloroethene	10.63	164	200202	48.758	ug/l	98
65) Chlorobenzene	11.43	112	472172	48.099	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	188634	49.074	ug/l	99
67) Ethyl Benzene	11.51	91	881492	49.726	ug/l	98
68) m/p-Xylenes	11.62	106	643677	101.727	ug/l	99
69) o-Xylene	11.95	106	319504	50.944	ug/l	99
70) Styrene	11.96	104	523729	54.388	ug/l	99
71) Bromoform	12.13	173	122050	57.222	ug/l #	100
73) Isopropylbenzene	12.25	105	862703	50.463	ug/l	100
74) N-amyl acetate	12.07	43	311093	56.386	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	227605	53.668	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	278633	70.775	ug/l #	100
77) Bromobenzene	12.53	156	203640	49.640	ug/l	97
78) n-propylbenzene	12.59	91	969285	43.893	ug/l	100
79) 2-Chlorotoluene	12.67	91	591354	50.798	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	733476	43.520	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	55169	48.632	ug/l	98
82) 4-Chlorotoluene	12.77	91	570933	44.466	ug/l	99
83) tert-Butylbenzene	12.99	119	629370	52.929	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	708842	47.027	ug/l	99
85) sec-Butylbenzene	13.17	105	828103	45.206	ug/l	99
86) p-Isopropyltoluene	13.29	119	724889	48.146	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	341256	47.438	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	326039	48.127	ug/l	99
89) n-Butylbenzene	13.61	91	572991	53.557	ug/l	99
90) Hexachloroethane	13.87	117	118511	49.703	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	345375	48.440	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34744	61.431	ug/l	99

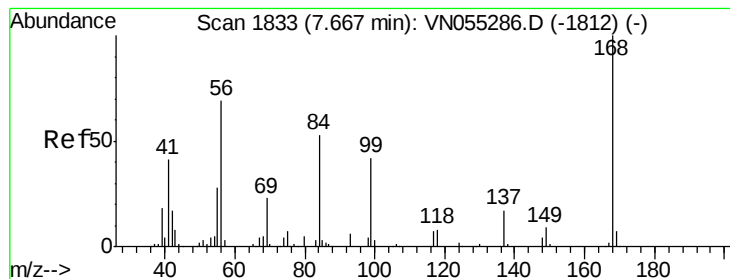
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050619\
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QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	143220	50.889	ug/l	97
94) Hexachlorobutadiene	15.01	225	124375	58.444	ug/l	95
95) Naphthalene	15.13	128	285729	47.962	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	147442	53.093	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

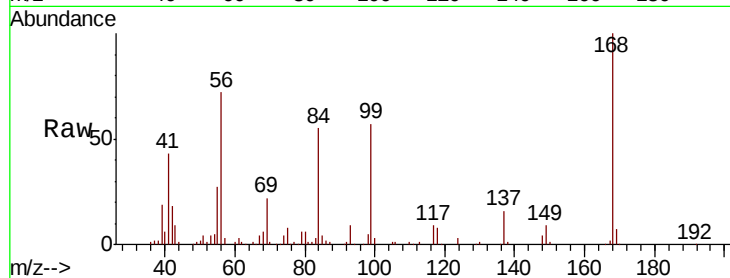
VSTDCCC050EC

Tot Ion:168 Resp: 352166

Ion Ratio Lower Upper

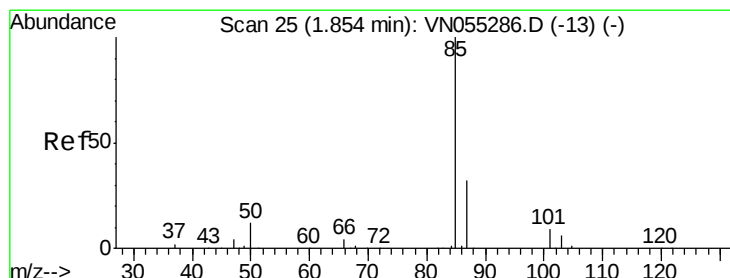
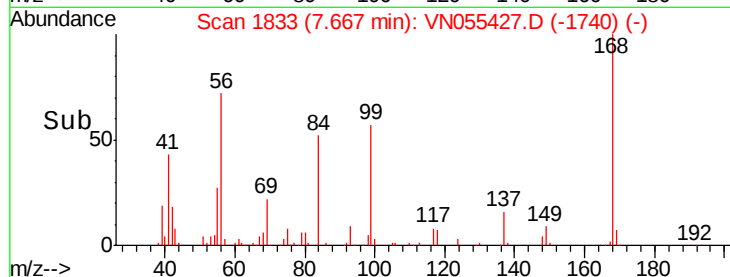
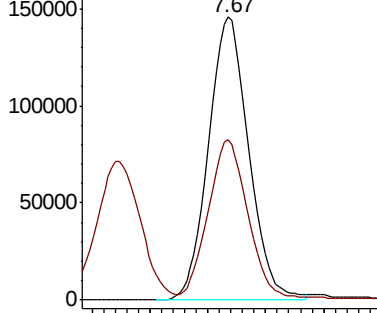
168 100

99 55.5 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 46.323 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055427.D

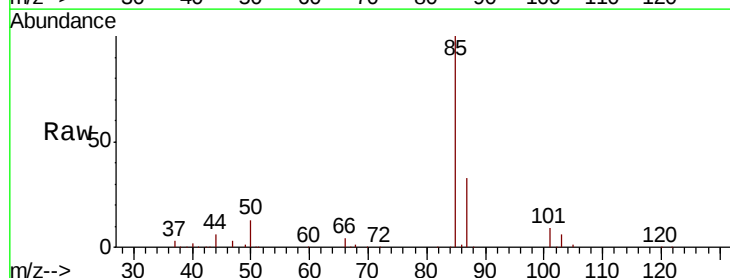
Acq: 6 May 2019 20:00

Tgt Ion: 85 Resp: 199873

Ion Ratio Lower Upper

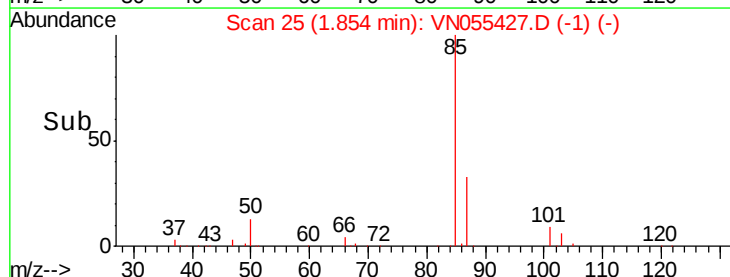
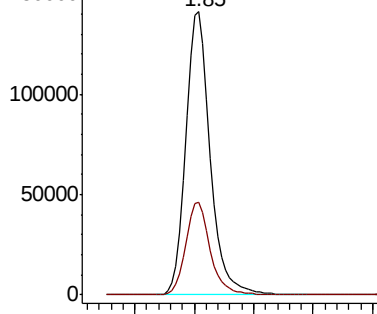
85 100

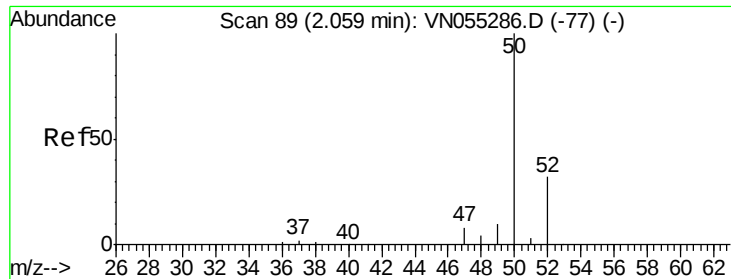
87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 41.275 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

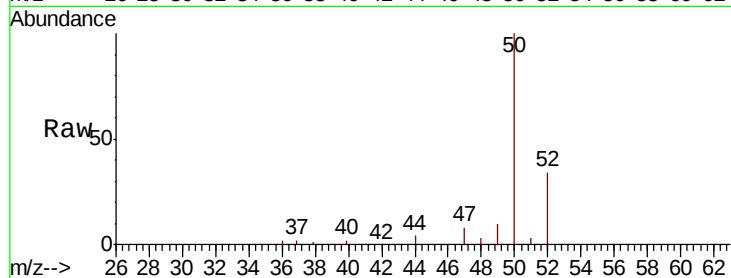
VSTDCCC050EC

Tot Ion: 50 Resp: 220524

Ion Ratio Lower Upper

50 100

52 33.5 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

150000

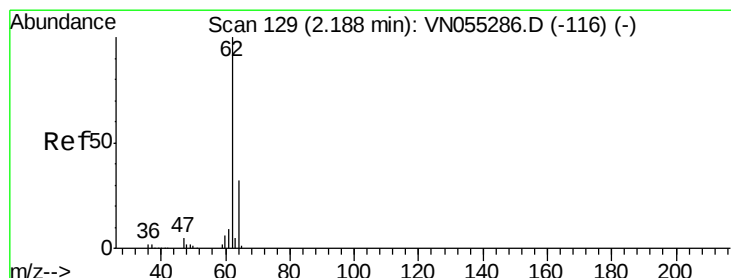
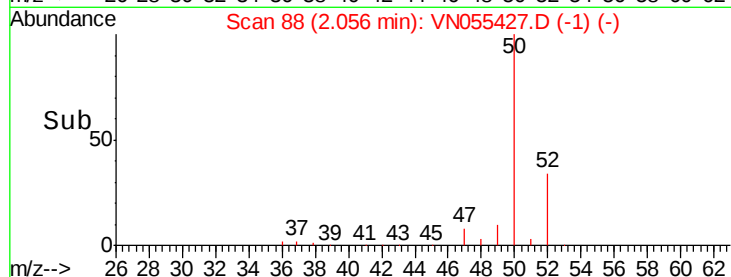
100000

50000

0

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 45.709 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055427.D

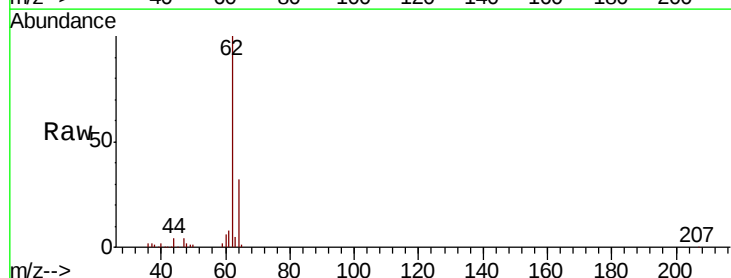
Acq: 6 May 2019 20:00

Tgt Ion: 62 Resp: 196857

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

150000

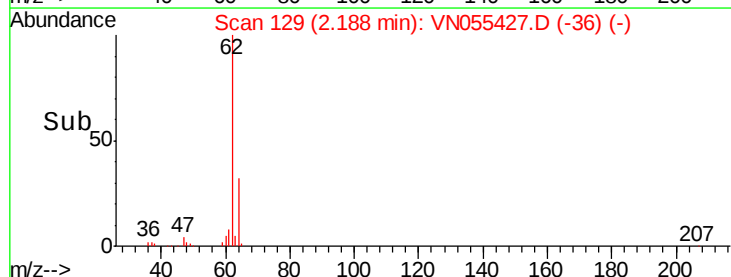
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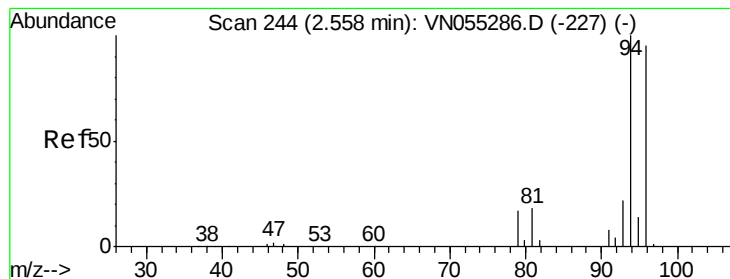
50000

0

2.10 2.15 2.20 2.25 2.30

Time-->





#5

Bromomethane

Concen: 46.915 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

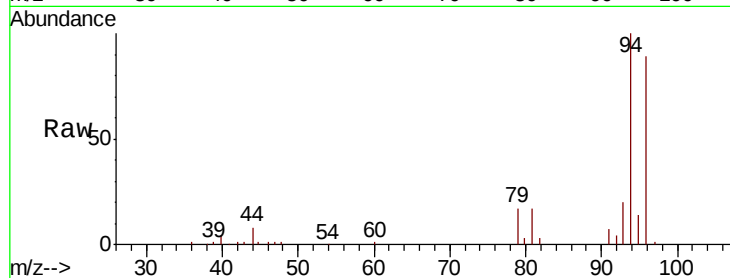
VSTDCCC050EC

Tot Ion: 94 Resp: 107024

Ion Ratio Lower Upper

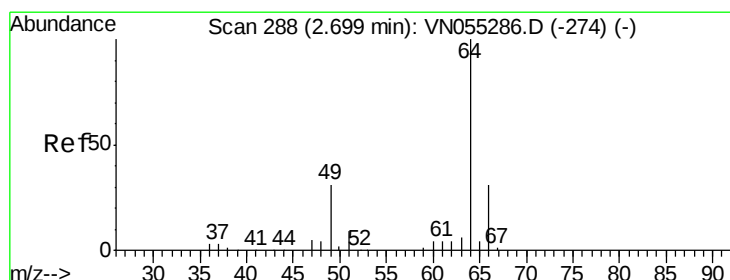
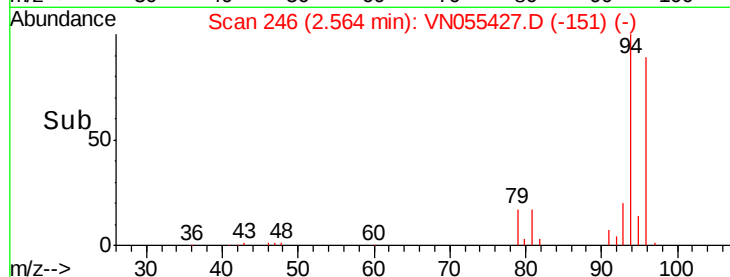
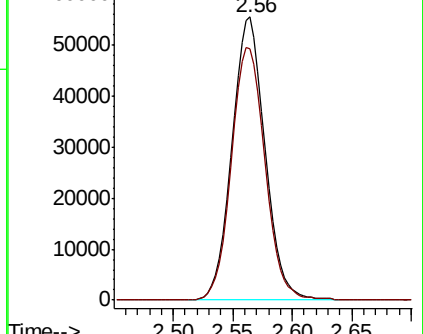
94 100

96 88.9 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.153 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055427.D

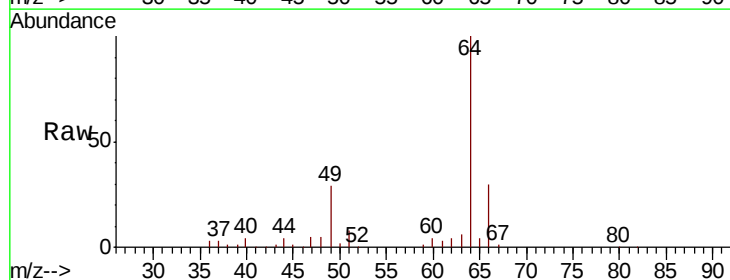
Acq: 6 May 2019 20:00

Tgt Ion: 64 Resp: 110012

Ion Ratio Lower Upper

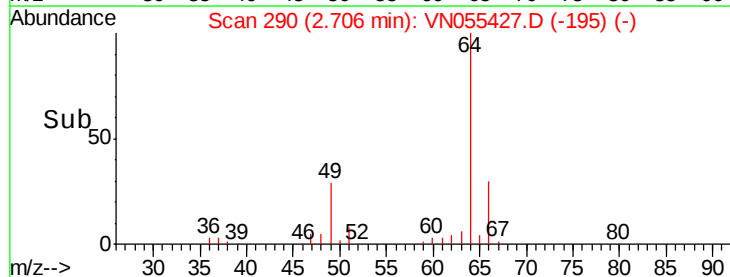
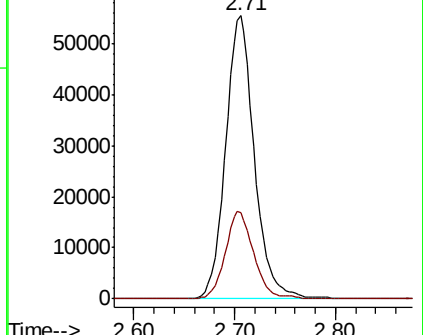
64 100

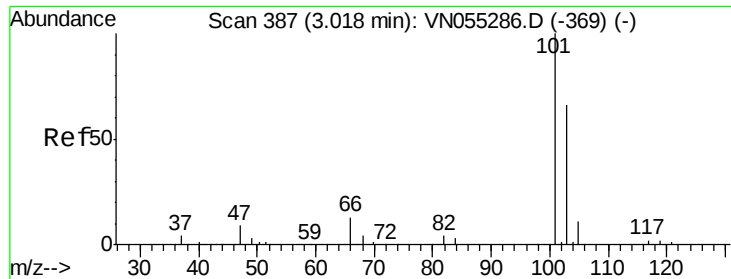
66 30.3 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



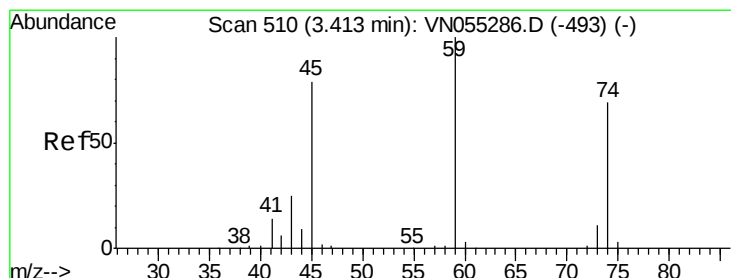
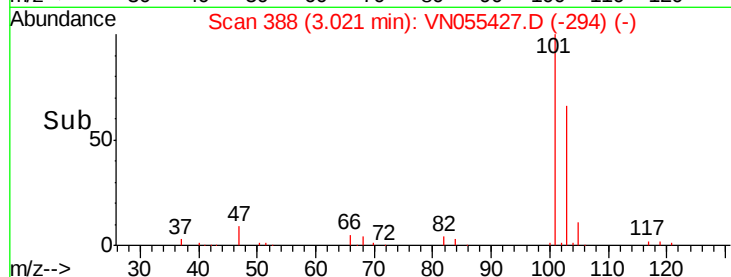
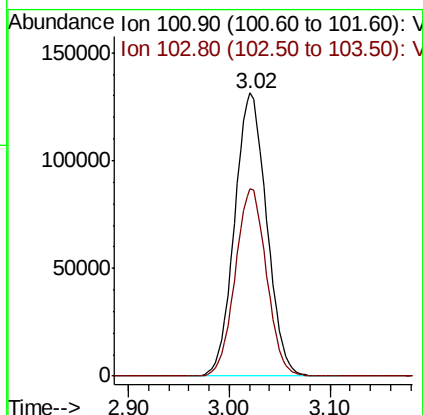
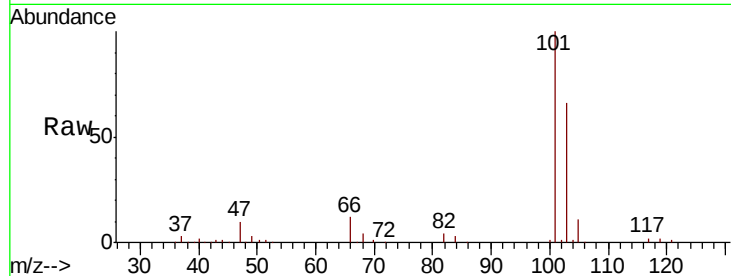


#7

Trichlorofluoromethane
Concen: 47.252 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
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VSTDCCC050EC

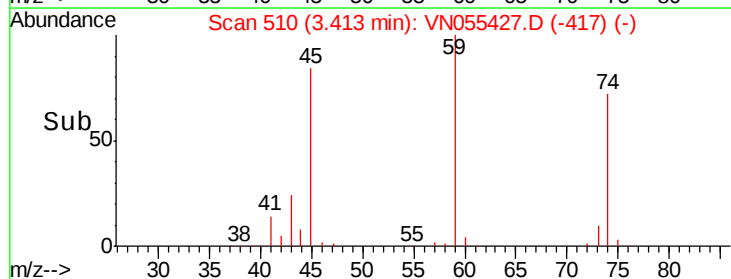
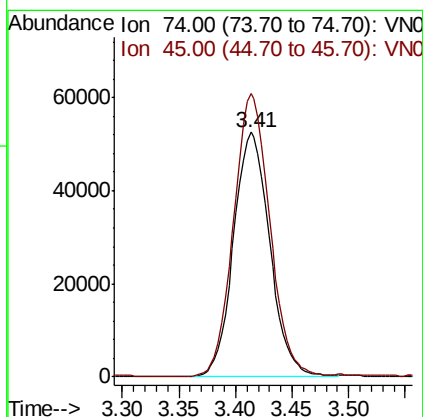
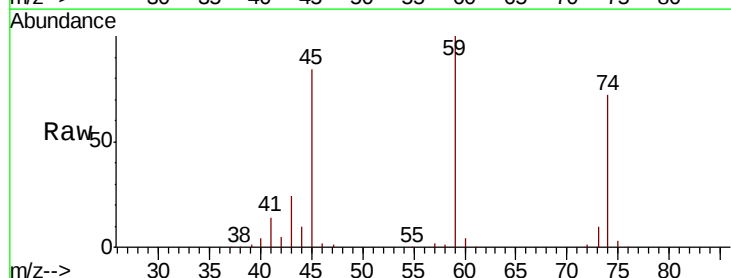
Tot Ion:101 Resp: 289374
Ion Ratio Lower Upper
101 100
103 66.1 52.6 79.0

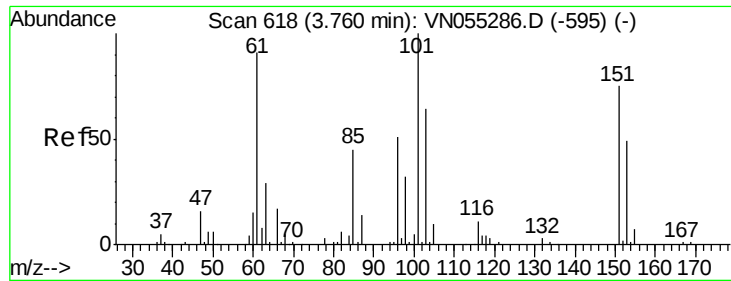


#8

Diethyl Ether
Concen: 54.847 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion: 74 Resp: 117514
Ion Ratio Lower Upper
74 100
45 116.1 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.054 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

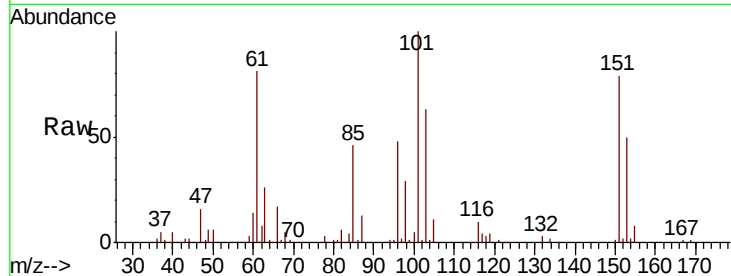
Tot Ion:101 Resp: 175243

Ion Ratio Lower Upper

101 100

85 45.2 35.7 53.5

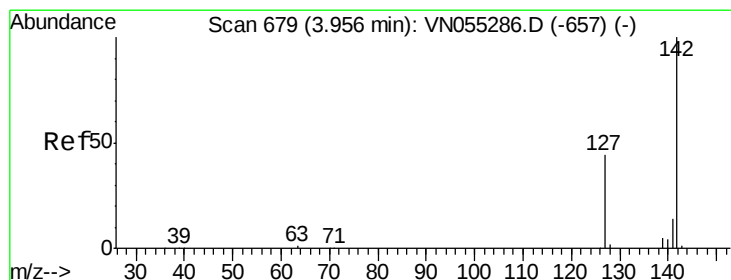
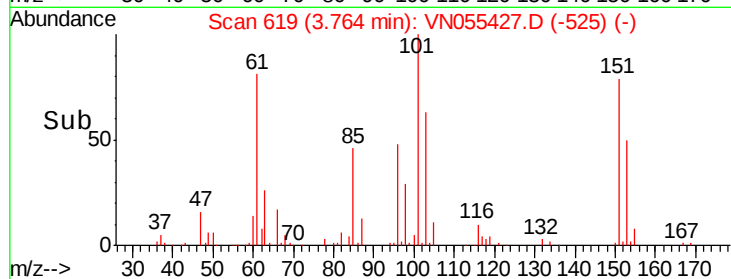
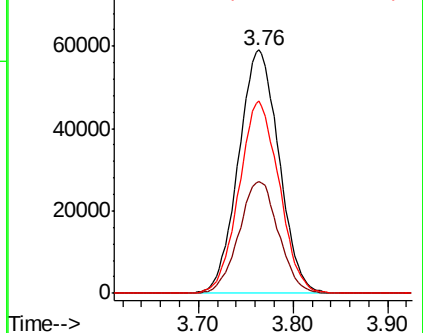
151 78.5 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.960 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

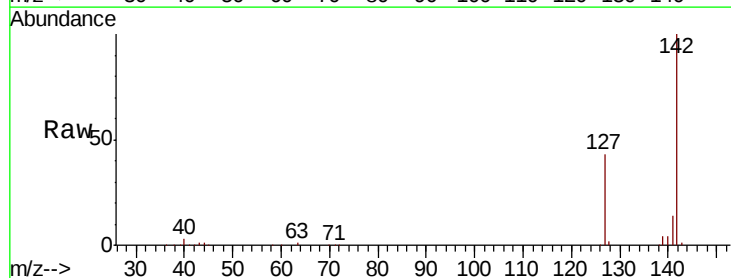
Tgt Ion:142 Resp: 246140

Ion Ratio Lower Upper

142 100

127 42.6 34.4 51.6

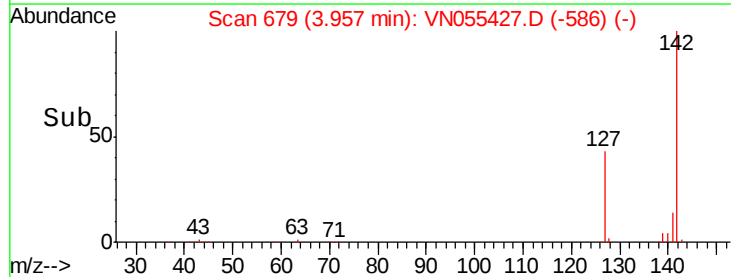
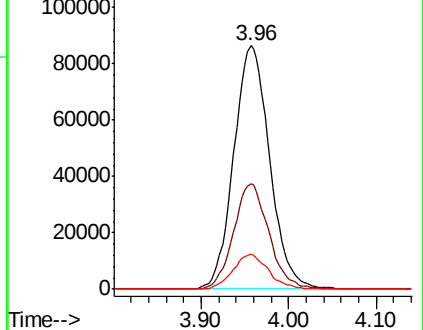
141 14.2 11.5 17.3

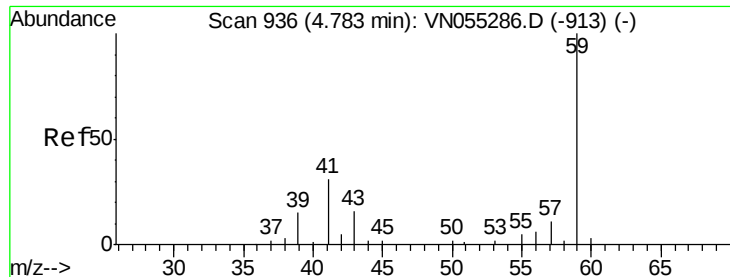


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

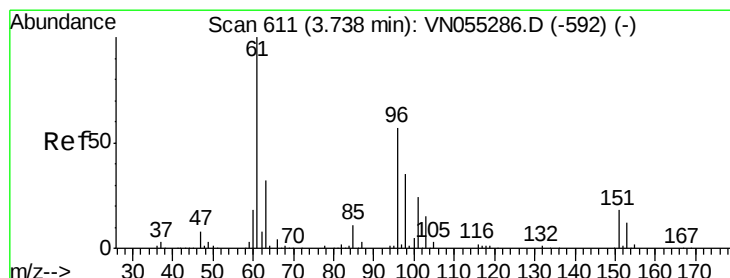
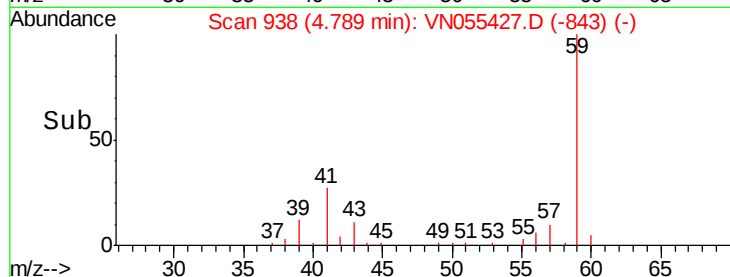
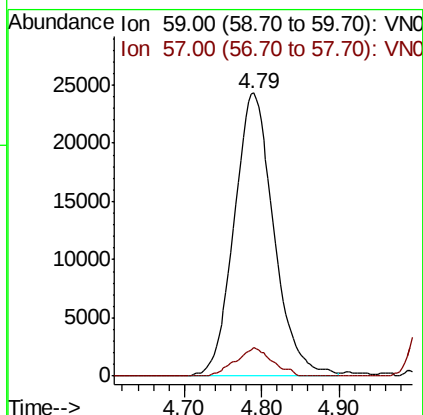
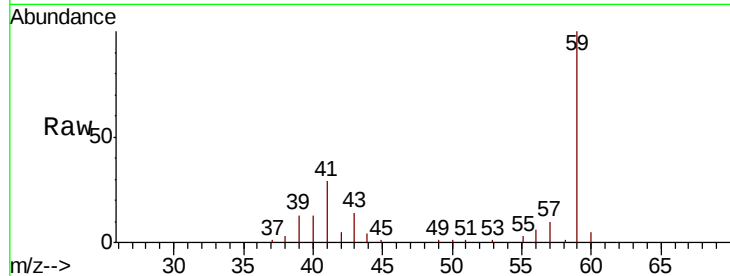




#11
Tert butyl alcohol
Concen: 328.801 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.01 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

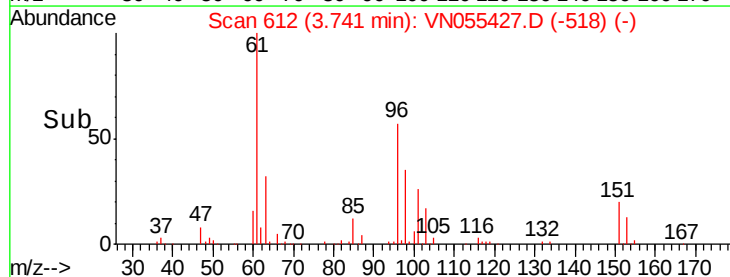
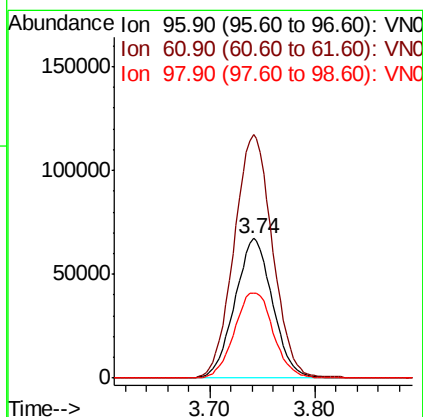
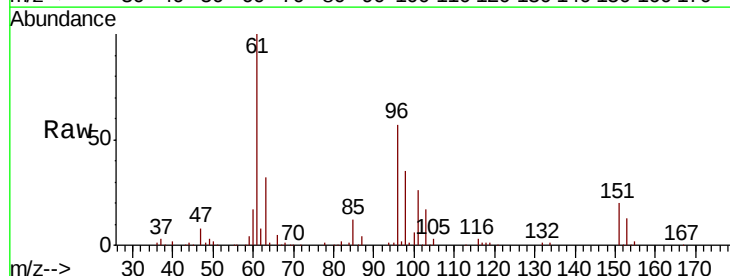
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

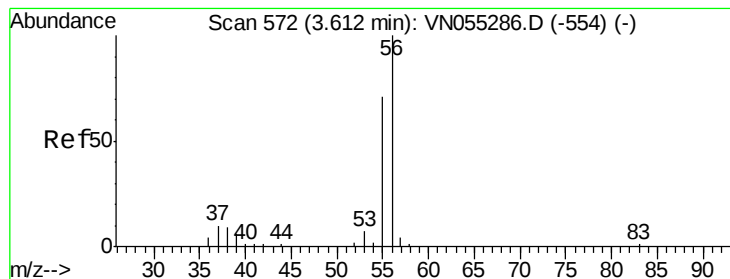
Tot Ion: 59 Resp: 86728
Ion Ratio Lower Upper
59 100
57 9.2 8.2 12.2



#12
1,1-Dichloroethene
Concen: 48.067 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion: 96 Resp: 167215
Ion Ratio Lower Upper
96 100
61 174.4 140.9 211.3
98 61.2 50.0 75.0





#13

Acrolein

Concen: 307.919 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

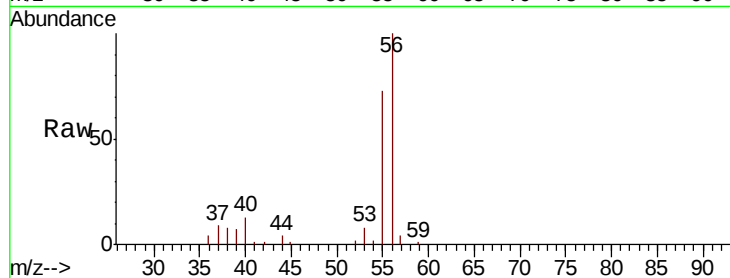
VSTDCCC050EC

Tot Ion: 56 Resp: 63430

Ion Ratio Lower Upper

56 100

55 72.3 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

25000

20000

15000

10000

5000

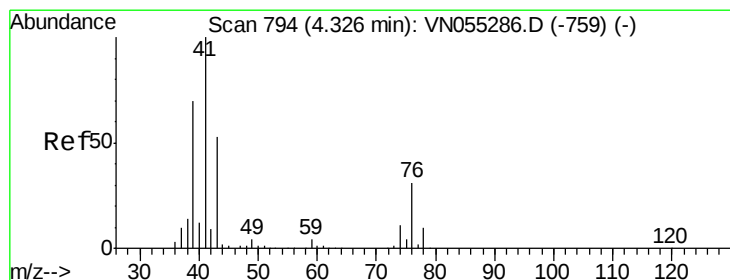
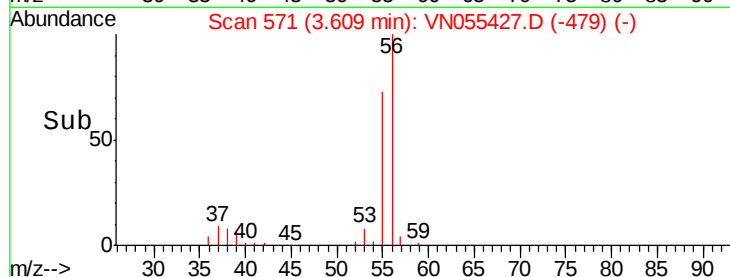
0

3.50

3.60

3.70

Time-->



#14

Allyl chloride

Concen: 50.740 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

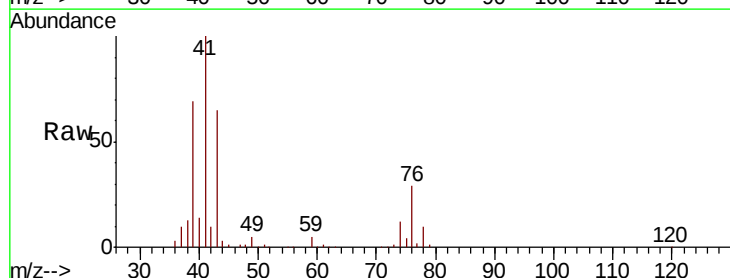
Tgt Ion: 41 Resp: 365578

Ion Ratio Lower Upper

41 100

39 64.3 53.0 79.6

76 27.9 22.7 34.1



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

150000

100000

50000

0

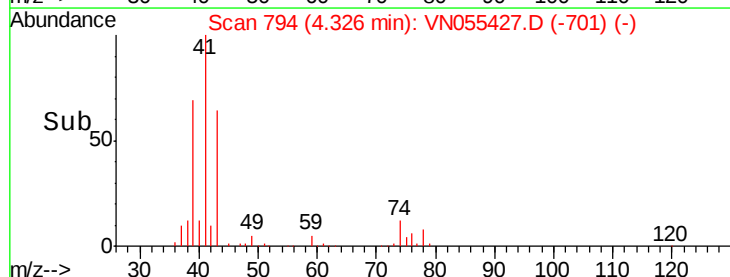
4.20

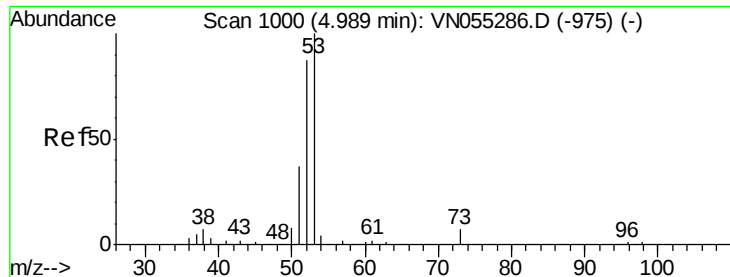
4.30

4.40

4.50

Time-->





#15

Acrylonitrile

Concen: 294.842 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

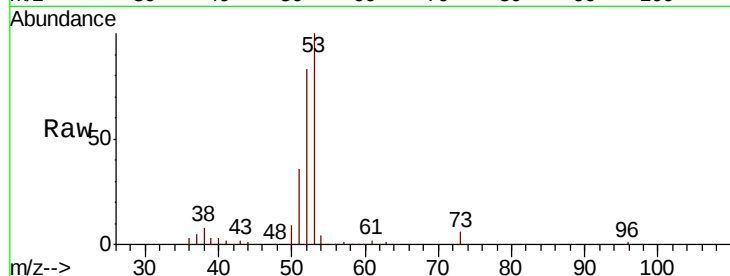
Tot Ion: 53 Resp: 437141

Ion Ratio Lower Upper

53 100

52 83.3 66.5 99.7

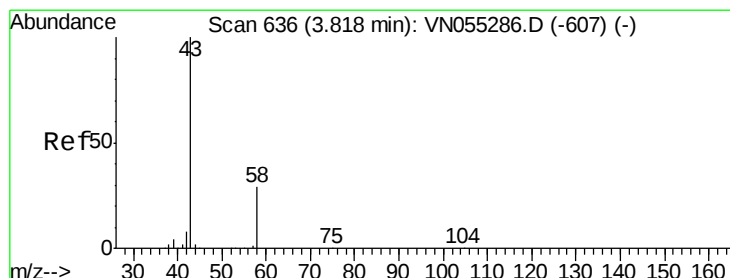
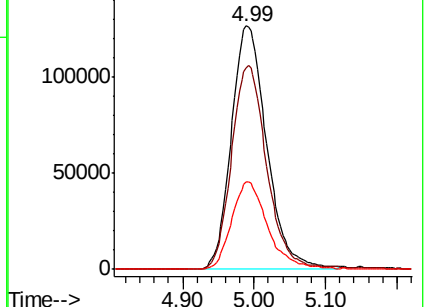
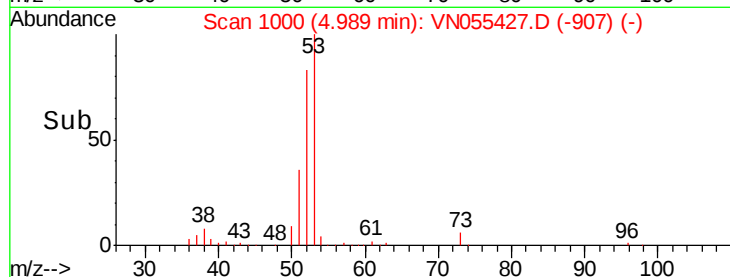
51 36.6 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN055427.D (-543) (-)

Ion 52.00 (51.70 to 52.70): VN055427.D (-543) (-)

Ion 51.00 (50.70 to 51.70): VN055427.D (-543) (-)



#16

Acetone

Concen: 241.148 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055427.D

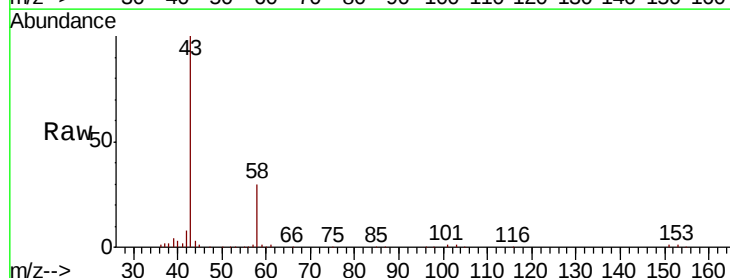
Acq: 6 May 2019 20:00

Tgt Ion: 43 Resp: 346174

Ion Ratio Lower Upper

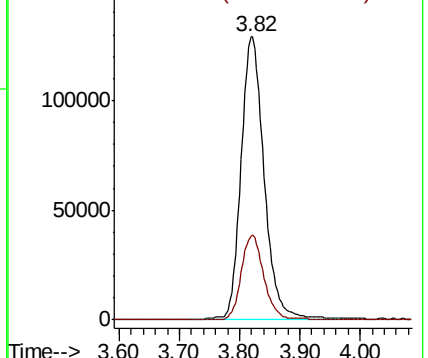
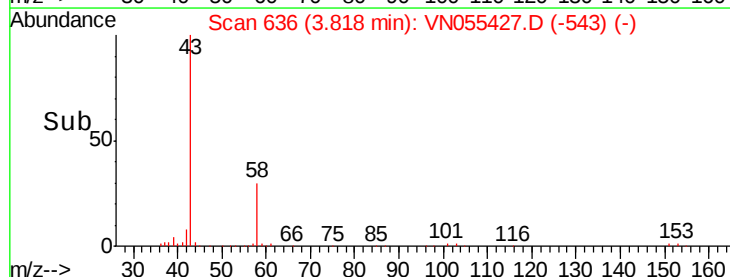
43 100

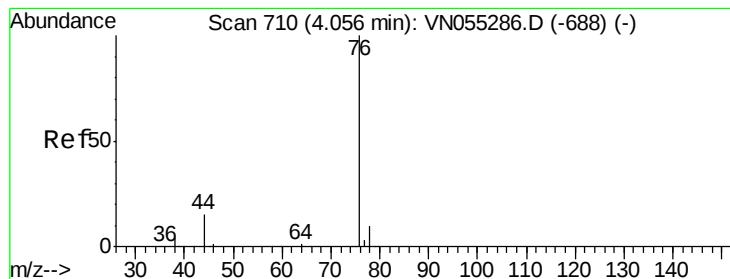
58 29.6 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN055427.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN055427.D (-543) (-)





#17

Carbon Disulfide

Concen: 40.224 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

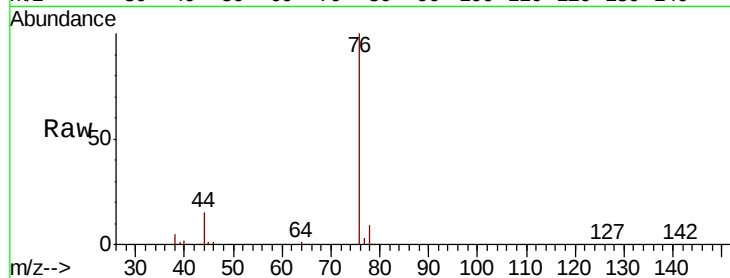
VSTDCCC050EC

Tot Ion: 76 Resp: 365187

Ion Ratio Lower Upper

76 100

78 8.8 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

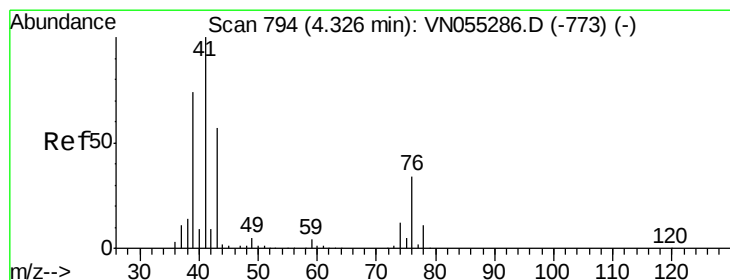
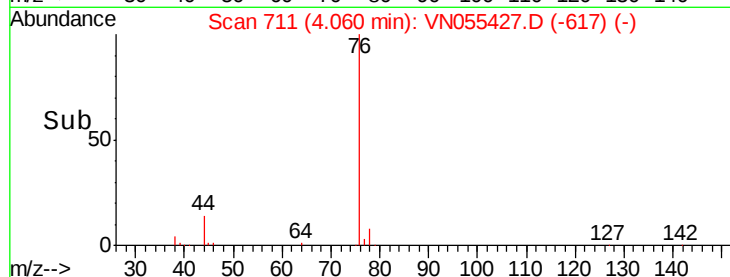
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 65.188 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055427.D

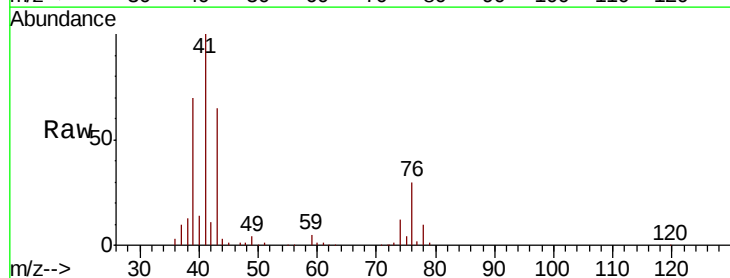
Acq: 6 May 2019 20:00

Tgt Ion: 43 Resp: 226861

Ion Ratio Lower Upper

43 100

74 19.5 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

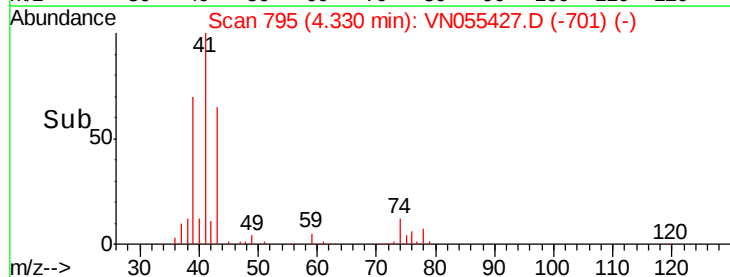
60000

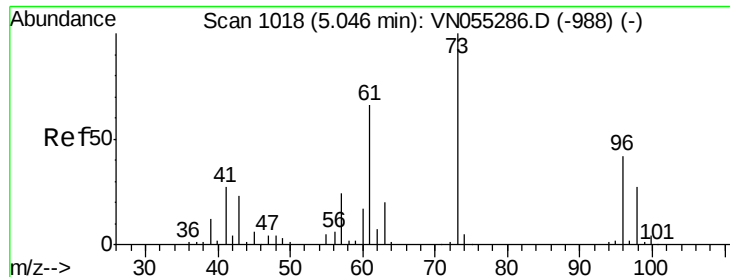
40000

20000

0

Time-->

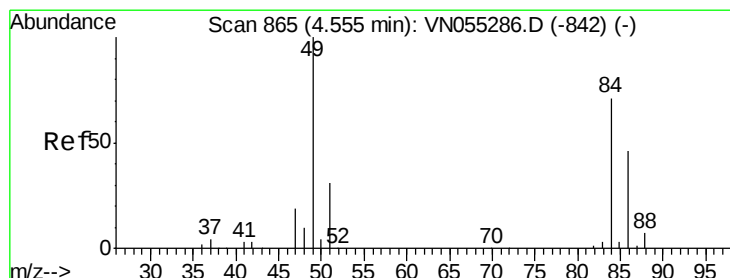
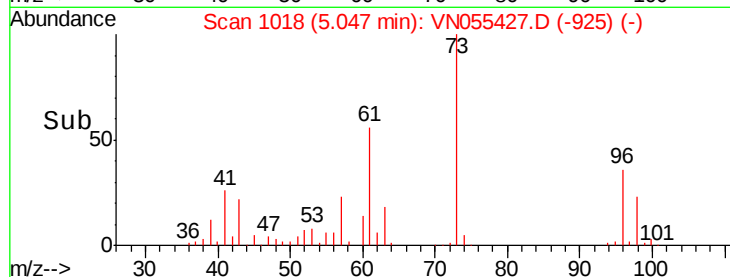
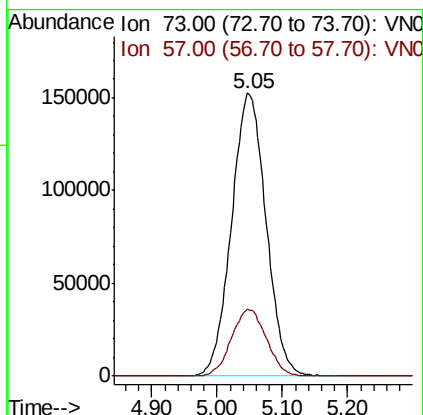
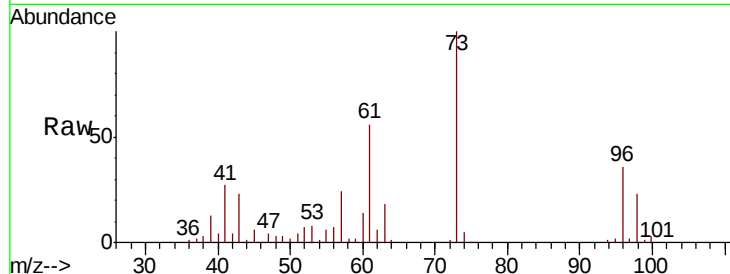




#19
Methyl tert-butyl Ether
Concen: 57.276 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

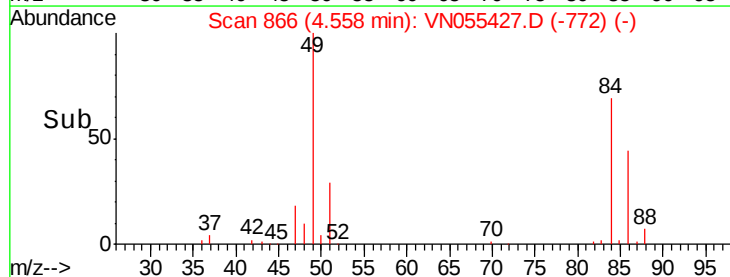
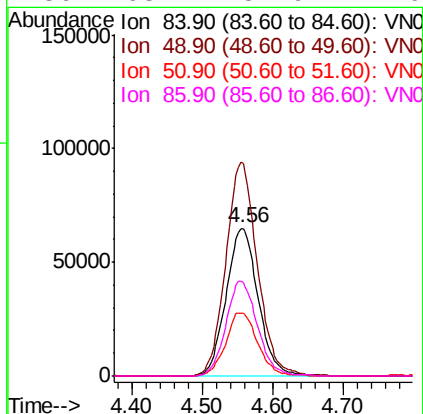
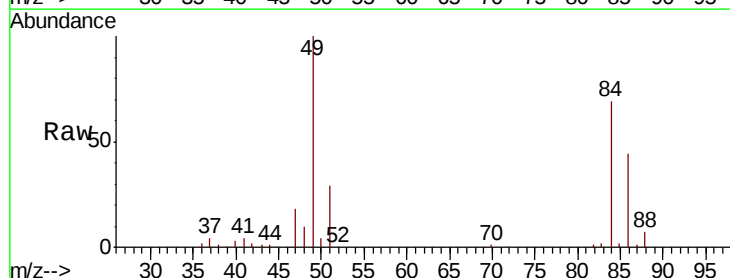
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

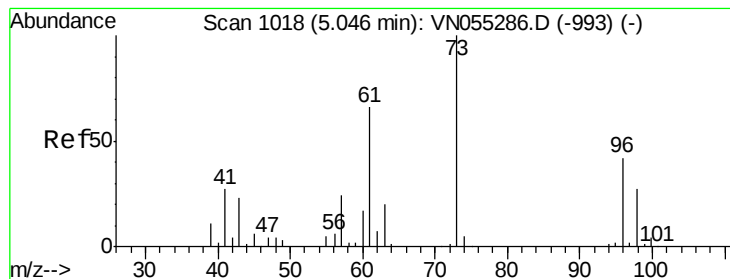
Tot Ion: 73 Resp: 560146
Ion Ratio Lower Upper
73 100
57 23.6 19.1 28.7



#20
Methylene Chloride
Concen: 46.987 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion: 84 Resp: 205880
Ion Ratio Lower Upper
84 100
49 144.0 112.4 168.6
51 42.3 34.6 51.8
86 63.4 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 47.756 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

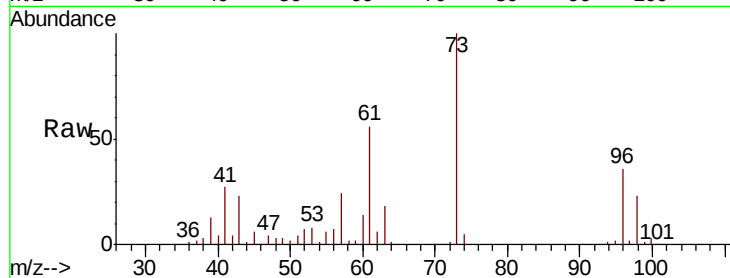
Tot Ion: 96 Resp: 175947

Ion Ratio Lower Upper

96 100

61 156.9 126.2 189.4

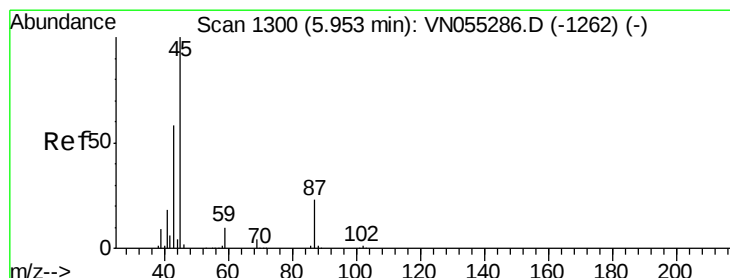
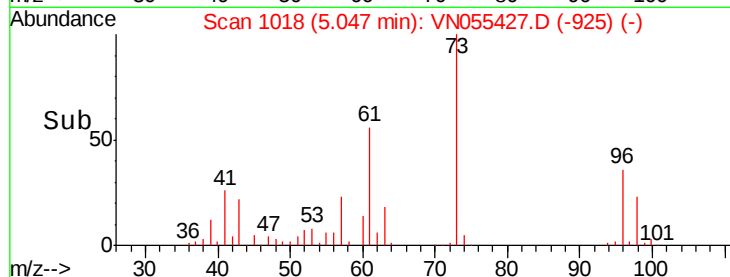
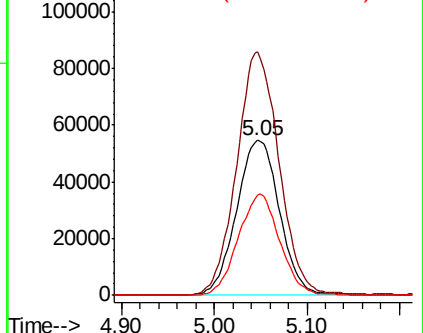
98 64.8 52.2 78.2



Abundance Ion 95.90 (95.60 to 96.60): VN055427.D (-1207) (-)

Ion 60.90 (60.60 to 61.60): VN055427.D (-1207) (-)

Ion 97.90 (97.60 to 98.60): VN055427.D (-1207) (-)



#22

Diisopropyl ether

Concen: 54.537 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Tgt Ion: 45 Resp: 780734

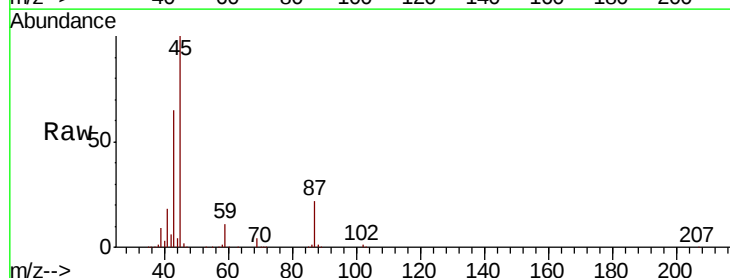
Ion Ratio Lower Upper

45 100

43 63.8 46.6 70.0

87 21.8 18.1 27.1

59 10.4 8.2 12.2

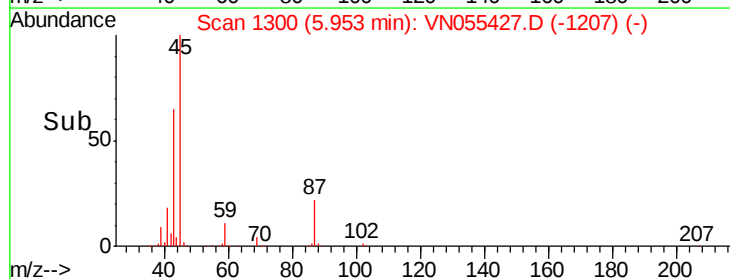
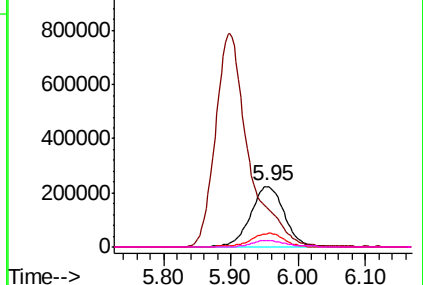


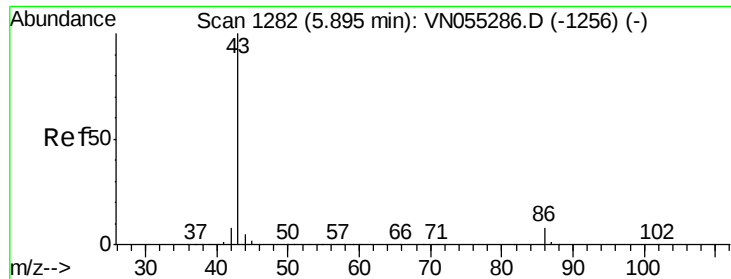
Abundance Ion 45.00 (44.70 to 45.70): VN055427.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN055427.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN055427.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN055427.D (-1207) (-)

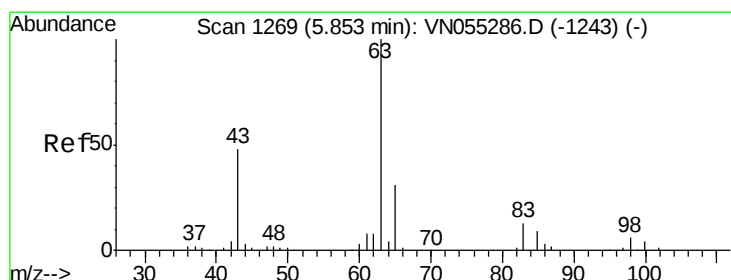
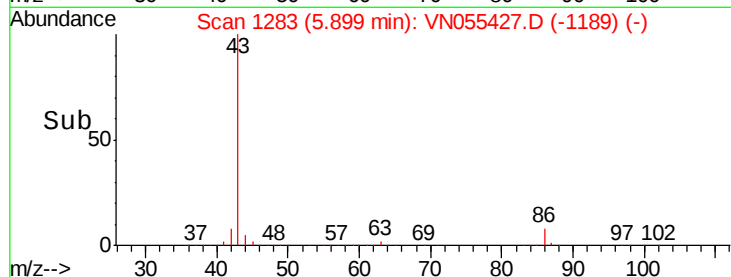
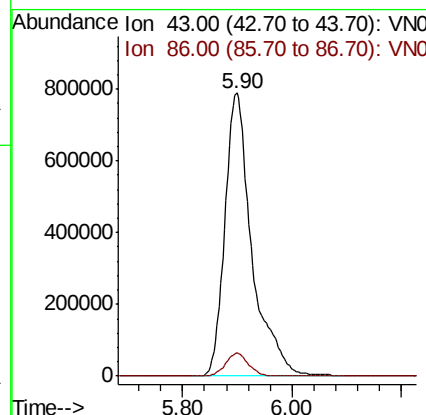
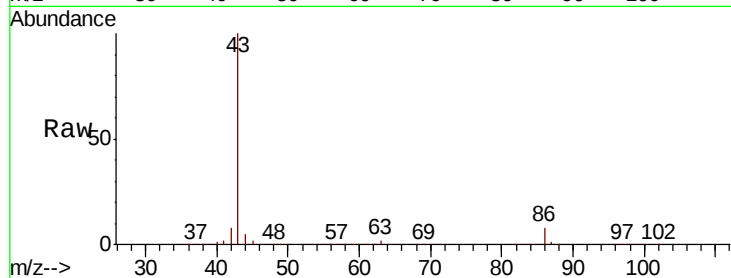




#23
 Vinyl Acetate
 Concen: 289.545 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

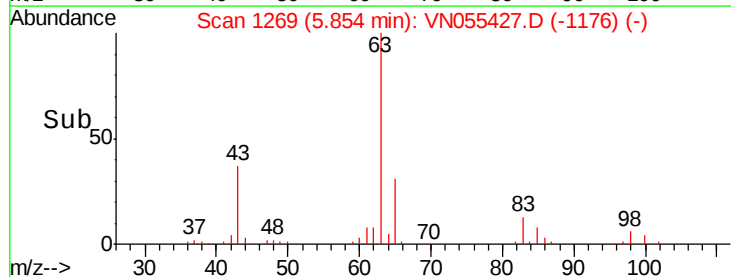
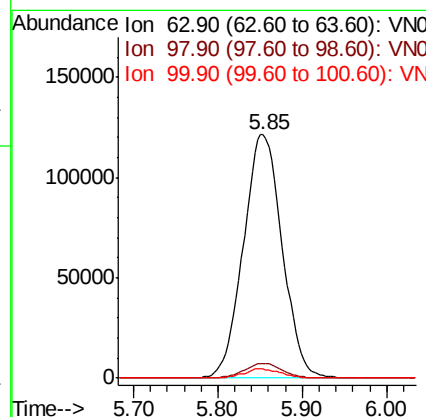
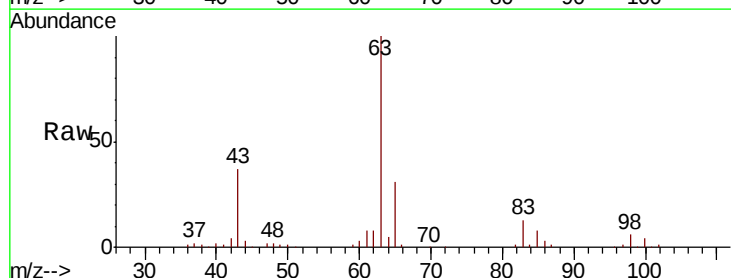
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

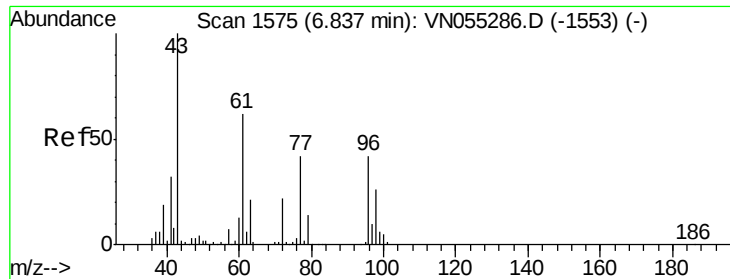
Tot Ion: 43 Resp: 2716629
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.6 10.0



#24
 1,1-Dichloroethane
 Concen: 50.933 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

Tgt Ion: 63 Resp: 388490
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.0
 100 3.9 1.8 5.4





#25

2-Butanone

Concen: 294.034 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

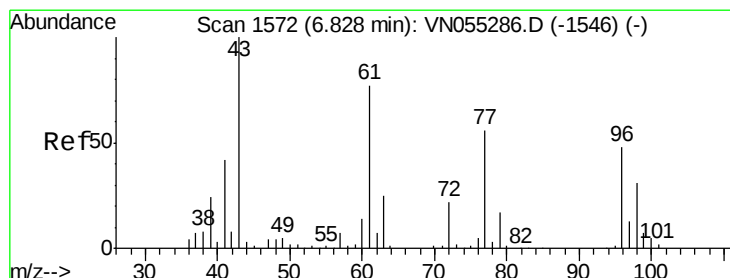
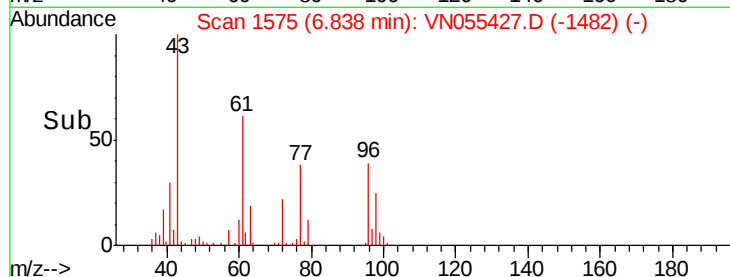
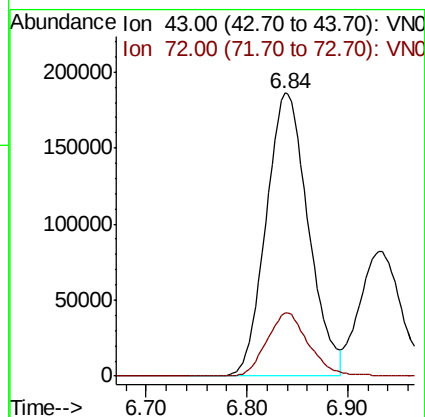
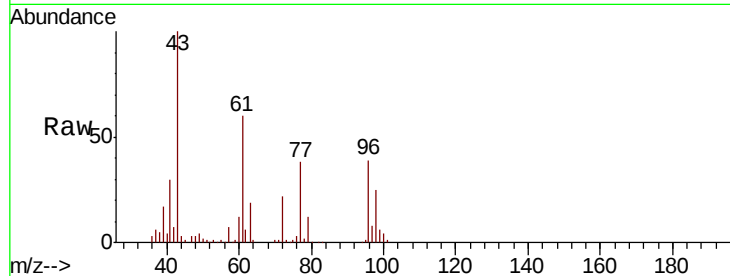
VSTDCCC050EC

Tot Ion: 43 Resp: 539800

Ion Ratio Lower Upper

43 100

72 22.3 18.0 27.0



#26

2,2-Dichloropropane

Concen: 46.462 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055427.D

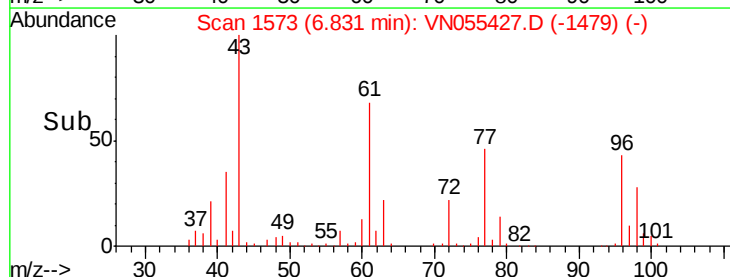
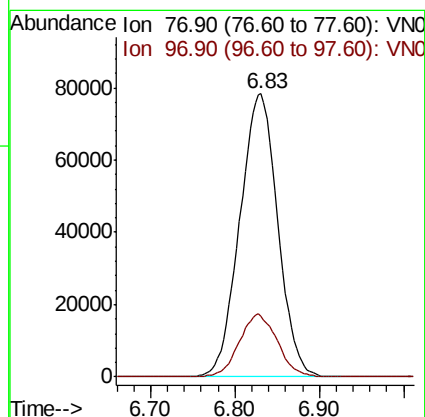
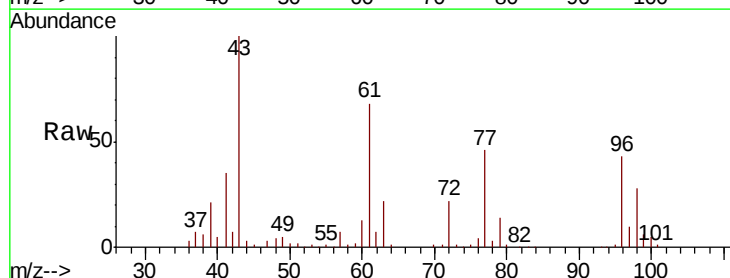
Acq: 6 May 2019 20:00

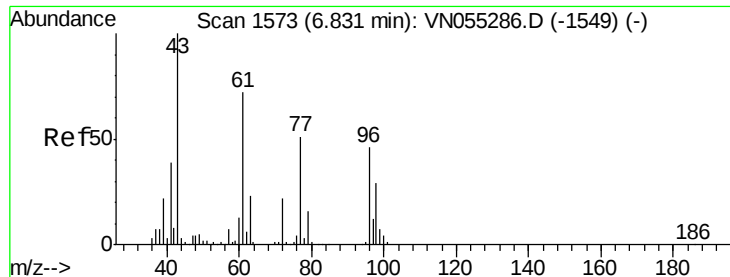
Tgt Ion: 77 Resp: 244717

Ion Ratio Lower Upper

77 100

97 22.3 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 51.165 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

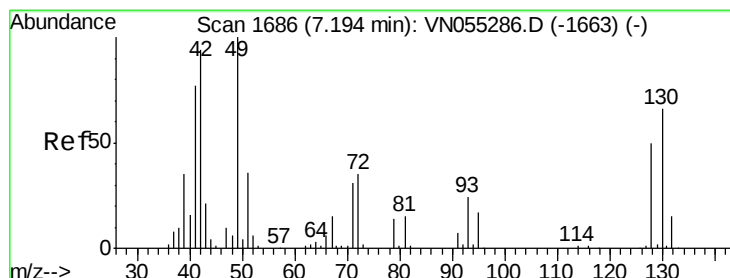
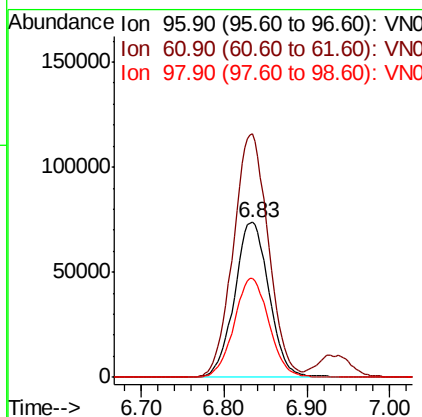
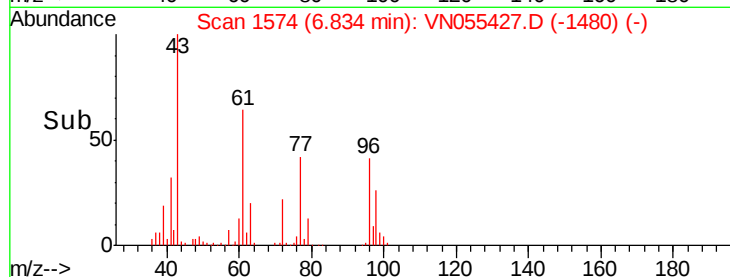
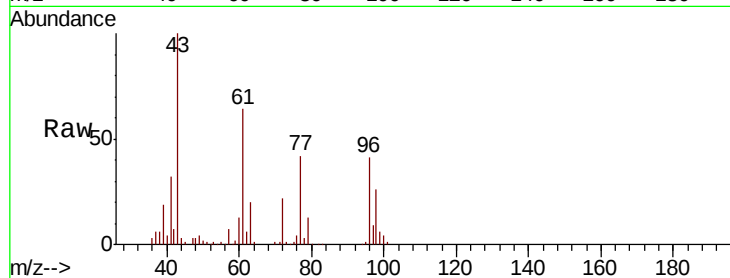
Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 214369

Ion	Ratio	Lower	Upper
96	100		
61	159.0	0.0	316.2
98	64.5	0.0	126.6



#28

Bromochloromethane

Concen: 51.231 ug/l

RT: 7.20 min Scan# 1687

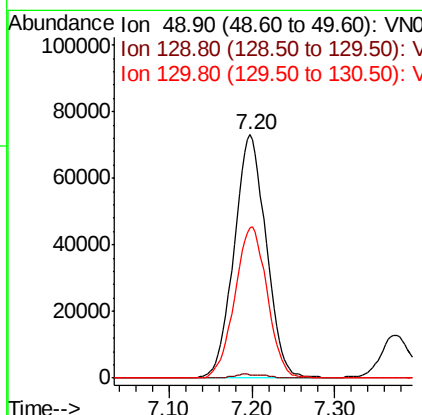
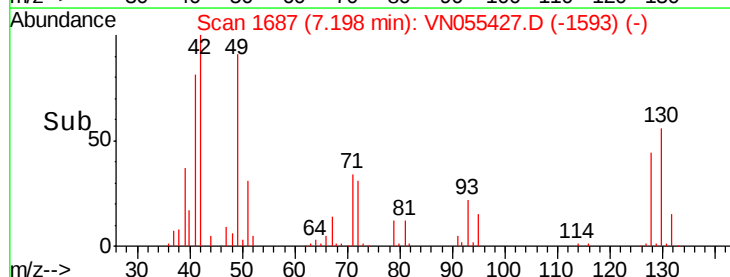
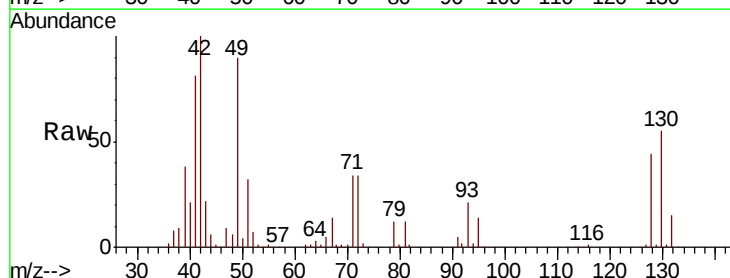
Delta R.T. 0.00 min

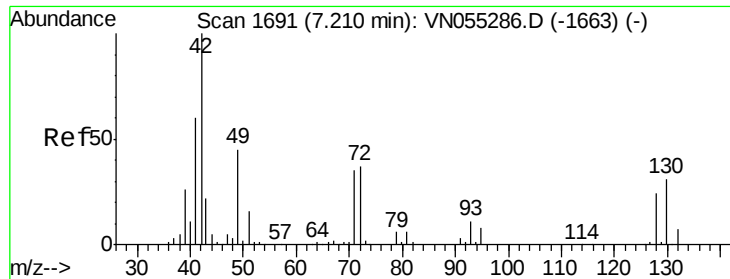
Lab File: VN055427.D

Acq: 6 May 2019 20:00

Tgt Ion: 49 Resp: 196970

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.4
130	62.6	52.0	78.0

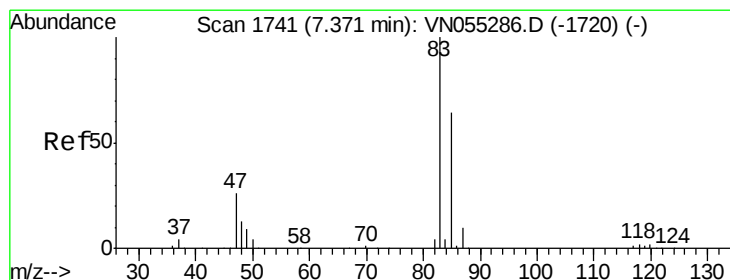
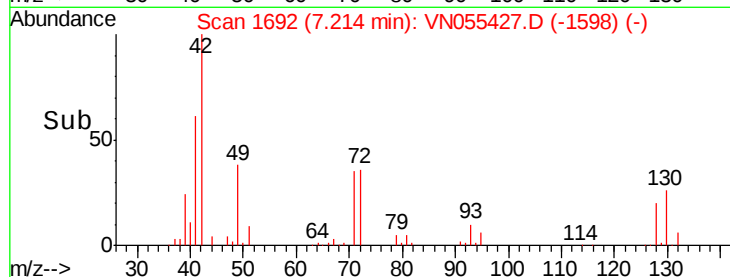
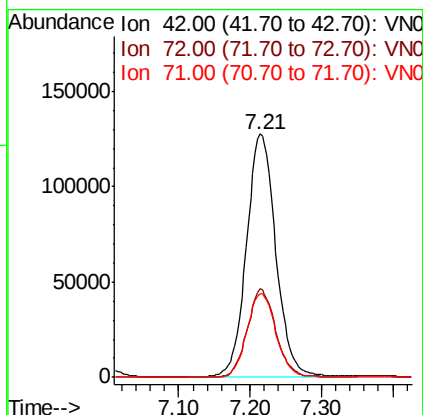
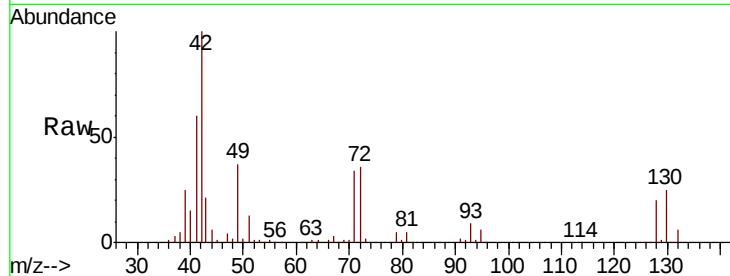




#29
Tetrahydrofuran
Concen: 310.446 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

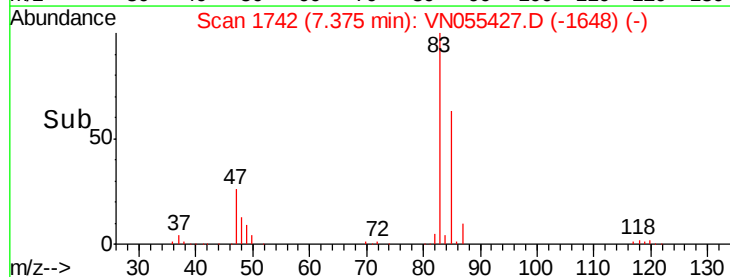
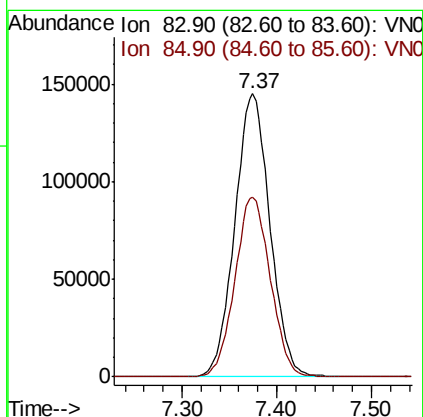
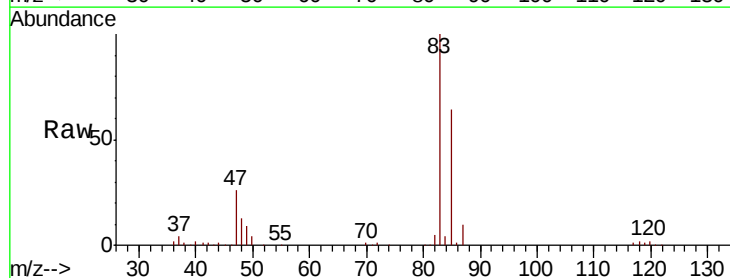
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

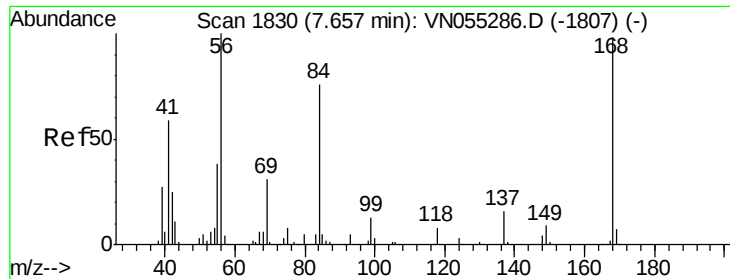
Tot Ion: 42 Resp: 364943
Ion Ratio Lower Upper
42 100
72 35.5 29.0 43.6
71 34.1 27.1 40.7



#30
Chloroform
Concen: 51.731 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion: 83 Resp: 374039
Ion Ratio Lower Upper
83 100
85 63.5 51.4 77.2

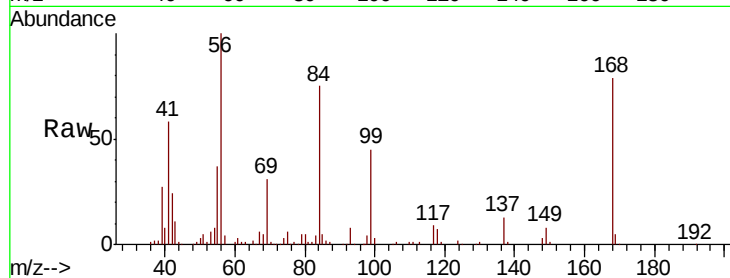




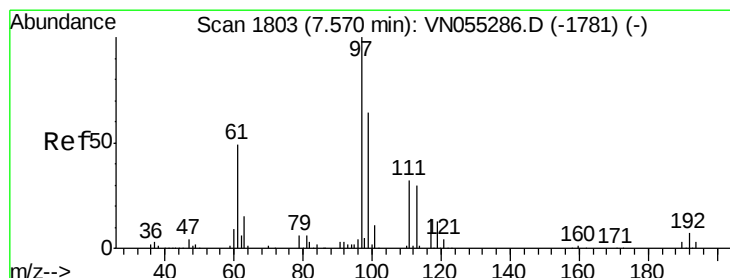
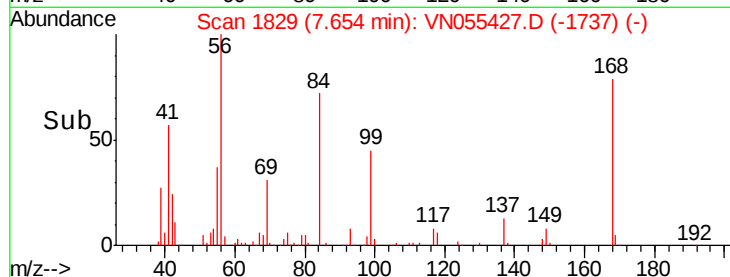
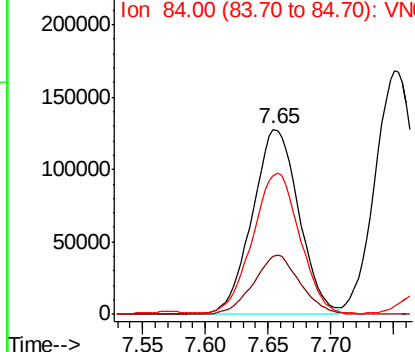
#31
Cyclohexane
Concen: 45.655 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 330854
Ion Ratio Lower Upper
56 100
69 31.1 25.2 37.8
84 74.1 61.1 91.7

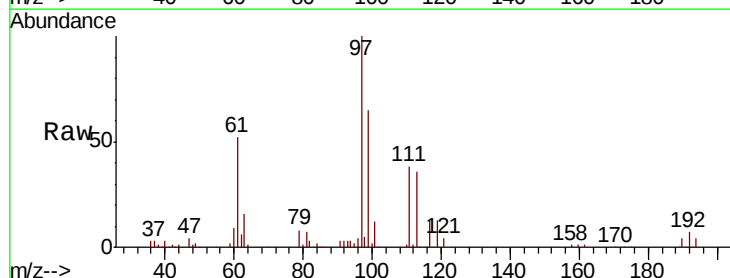


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

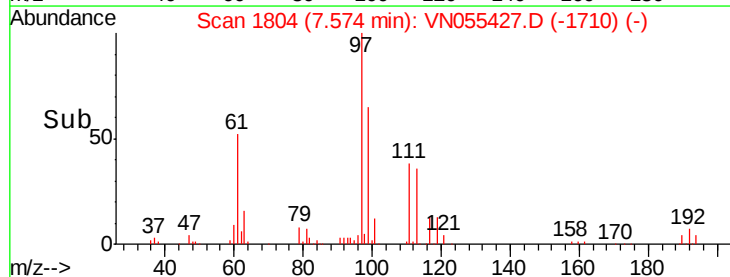
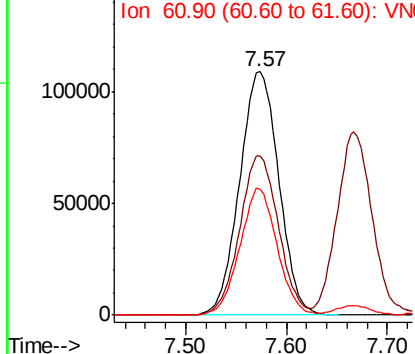


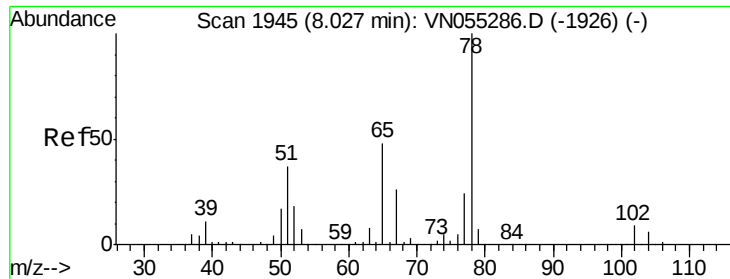
#32
1,1,1-Trichloroethane
Concen: 50.111 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion: 97 Resp: 294061
Ion Ratio Lower Upper
97 100
99 64.6 51.8 77.8
61 49.5 39.0 58.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

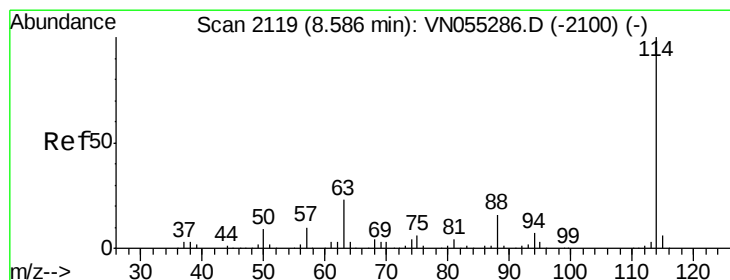
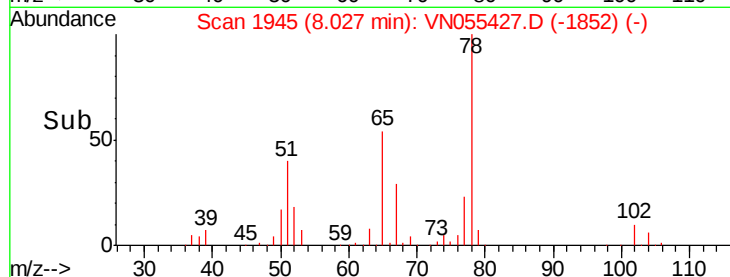
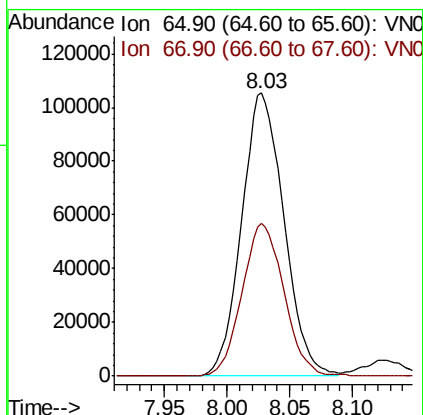
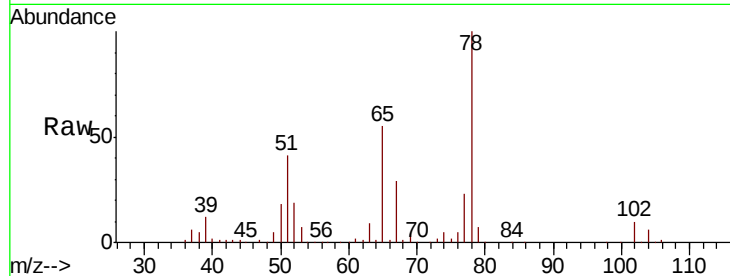




#33
 1,2-Dichloroethane-d4
 Concen: 53.742 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

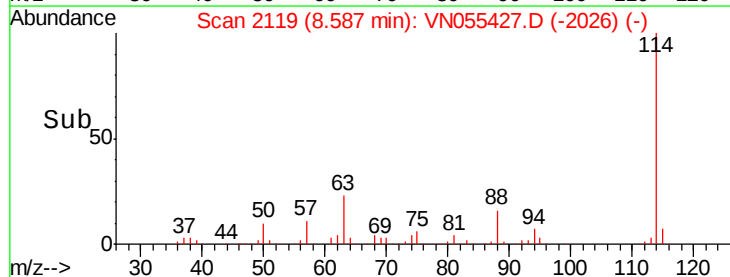
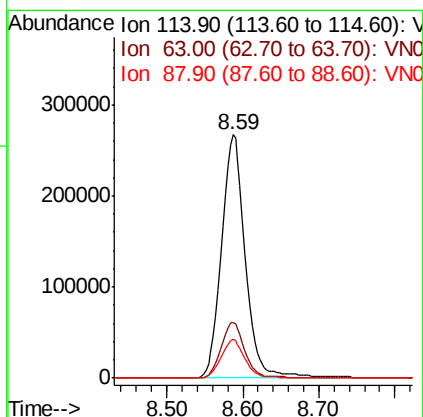
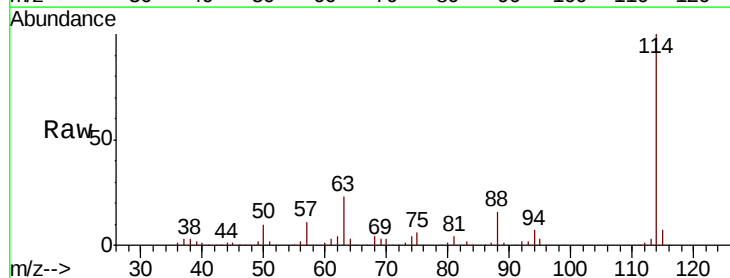
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

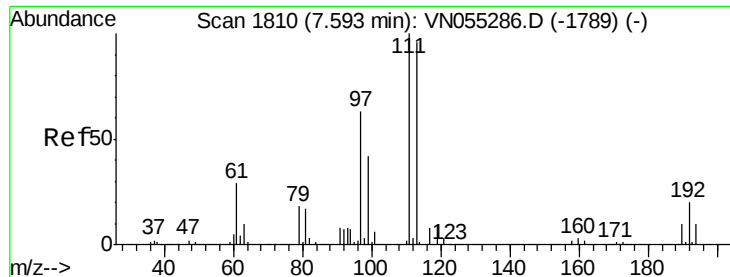
Tot Ion: 65 Resp: 247598
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

Tgt Ion: 114 Resp: 582064
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.2
 88 15.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.415 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

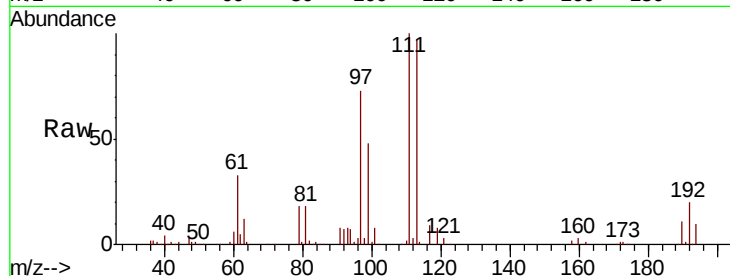
Tot Ion:113 Resp: 192611

Ion Ratio Lower Upper

113 100

111 103.6 82.3 123.5

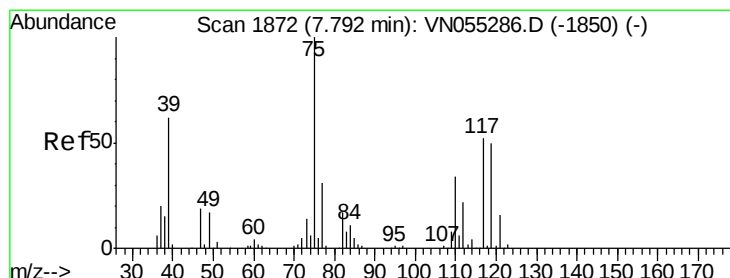
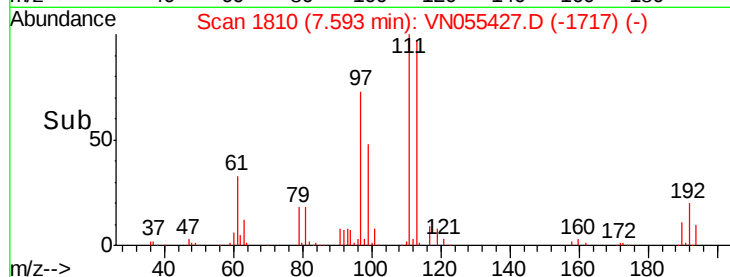
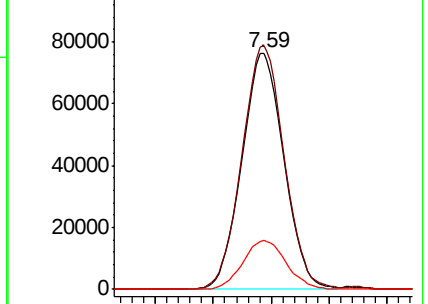
192 21.2 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.050 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

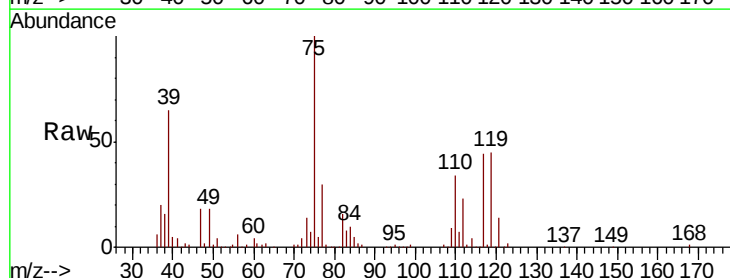
Tgt Ion: 75 Resp: 256742

Ion Ratio Lower Upper

75 100

110 34.4 16.8 50.4

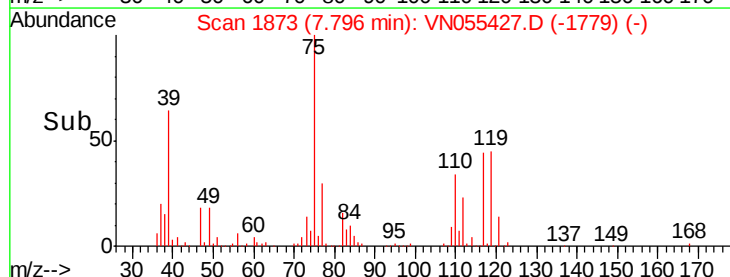
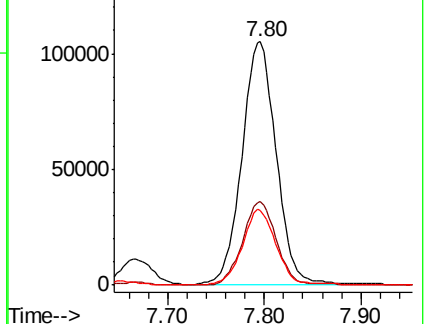
77 30.8 25.0 37.6

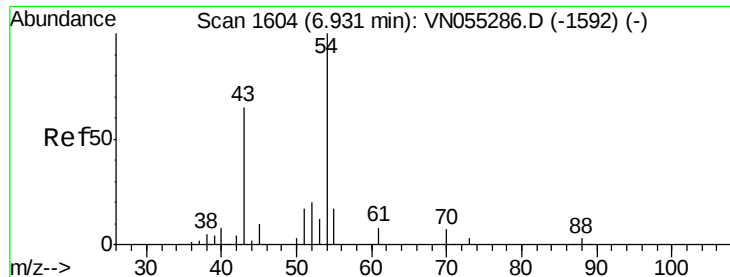


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

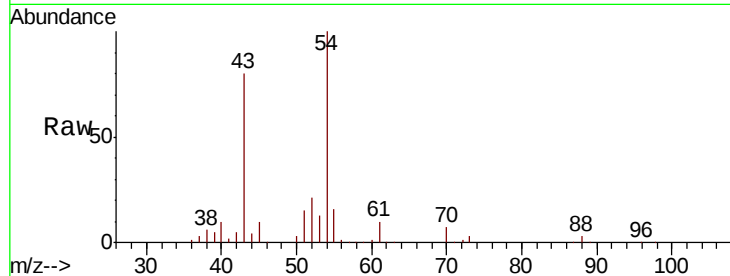




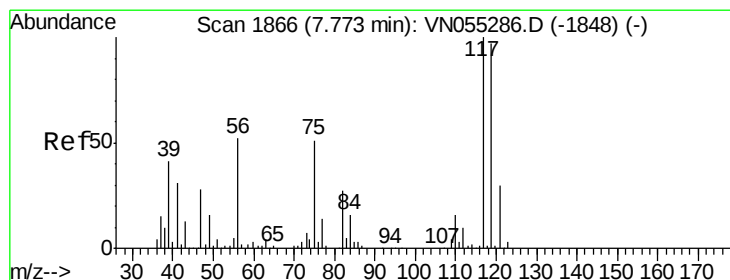
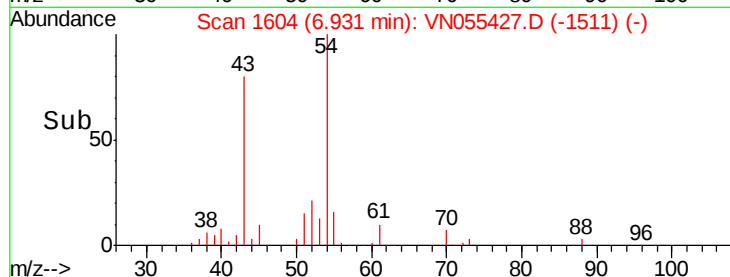
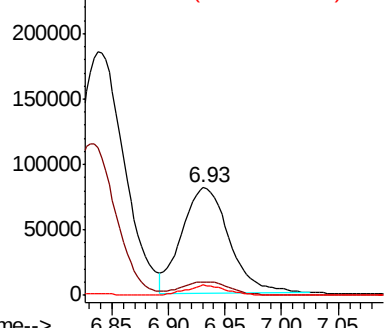
#37
Ethyl Acetate
Concen: 55.187 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 235812
Ion Ratio Lower Upper
43 100
61 12.7 10.4 15.6
70 8.4 6.6 10.0

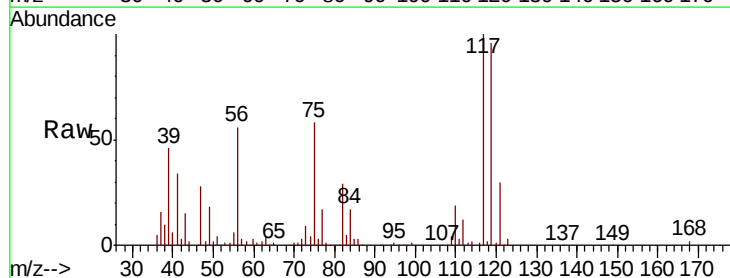


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

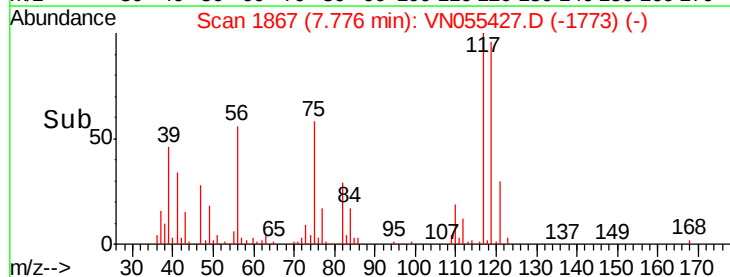
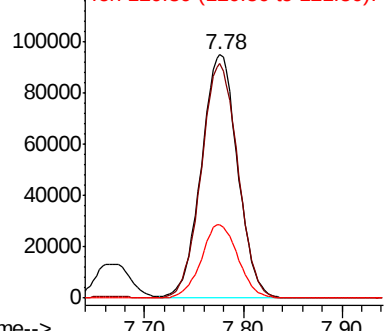


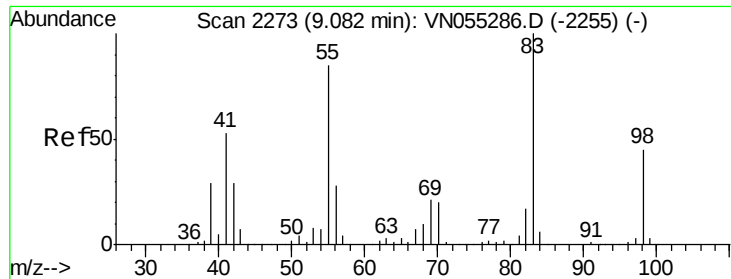
#38
Carbon Tetrachloride
Concen: 45.126 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion: 117 Resp: 242695
Ion Ratio Lower Upper
117 100
119 96.2 77.0 115.6
121 30.0 23.8 35.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

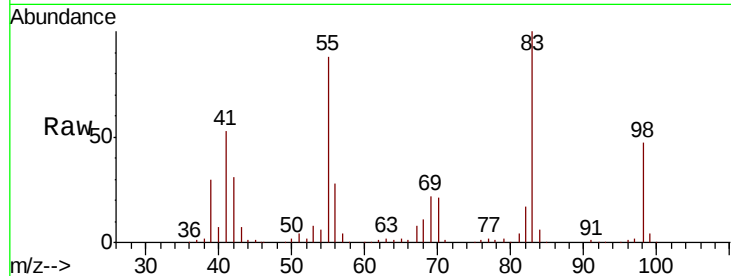




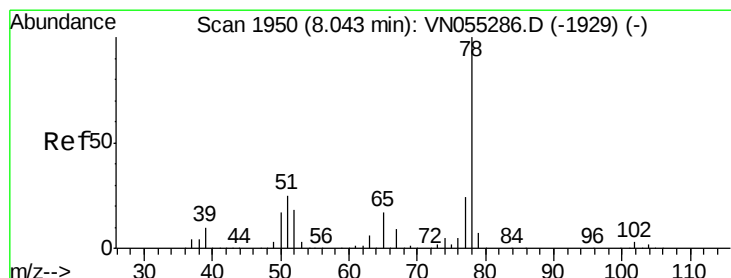
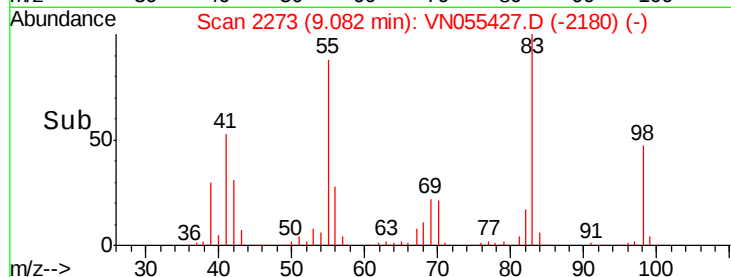
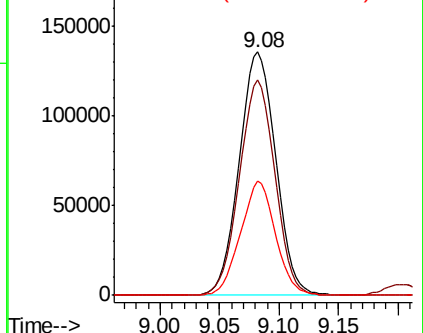
#39
Methvlcvclohexane
Concen: 48.706 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 288713
Ion Ratio Lower Upper
83 100
55 88.4 67.8 101.6
98 46.8 36.2 54.4

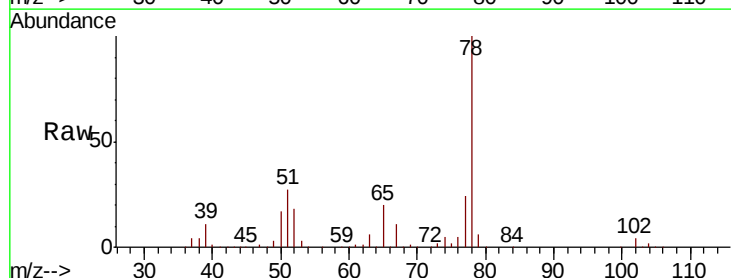


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

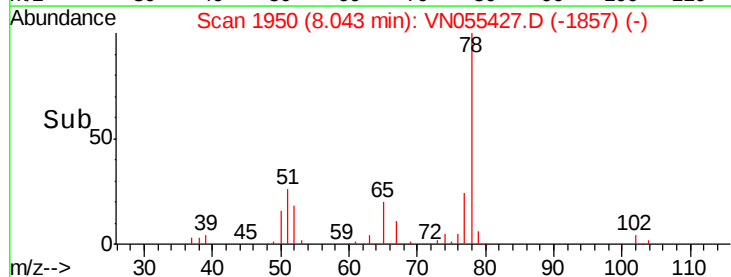
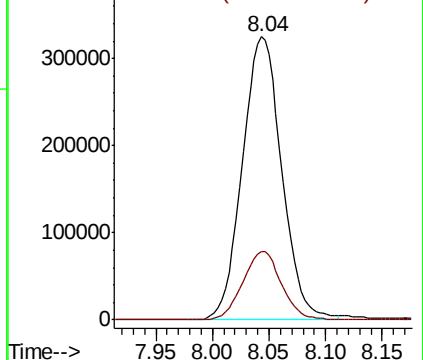


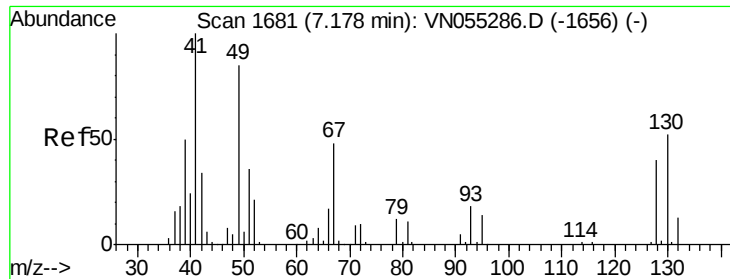
#40
Benzene
Concen: 47.887 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion: 78 Resp: 787050
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

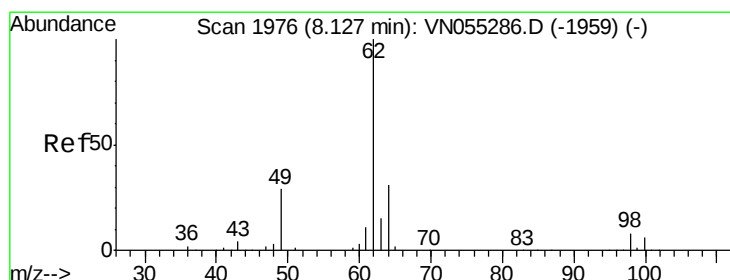
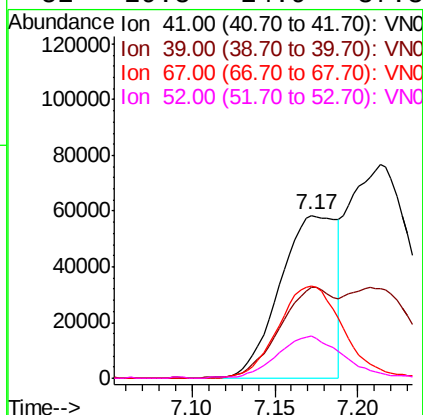
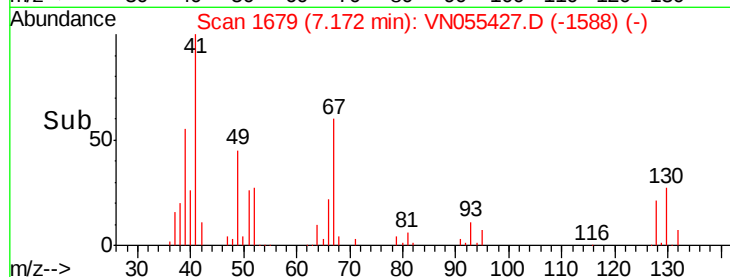
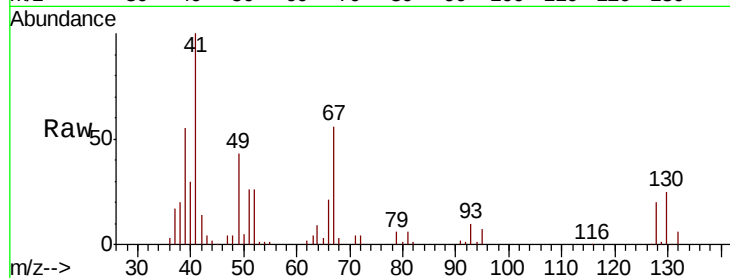




#41
Methacrylonitrile
Concen: 60.040 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

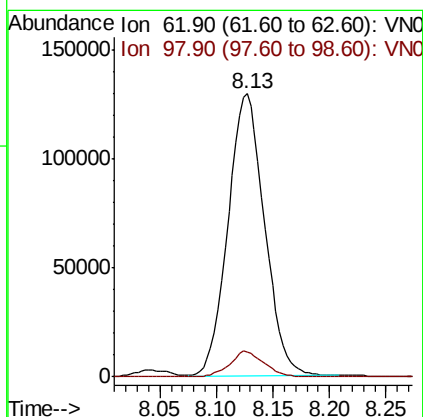
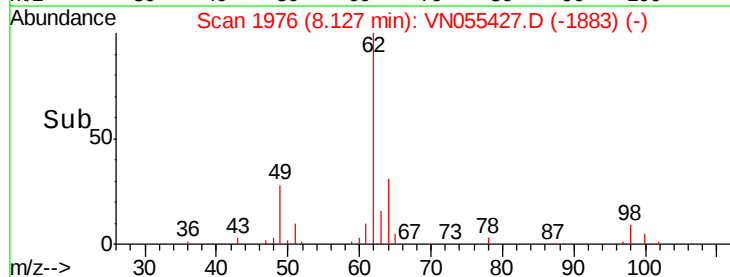
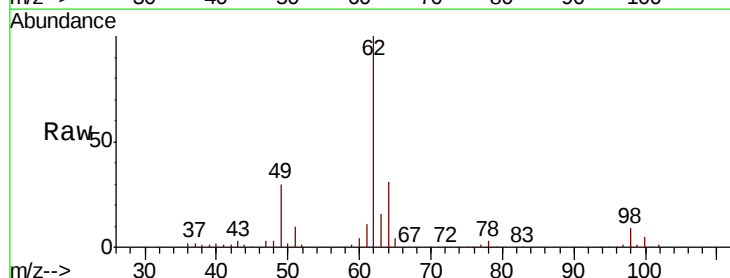
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

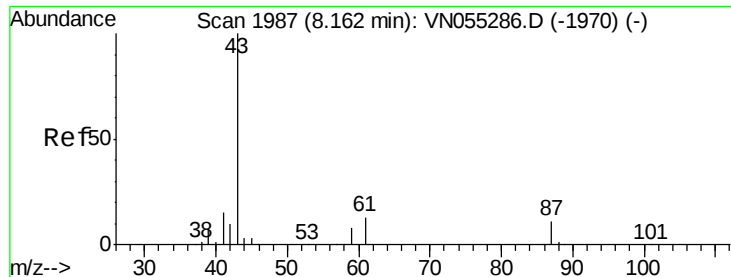
Tot Ion:	41	Resp:	139196
Ion	Ratio	Lower	Upper
41	100		
39	54.5	48.5	72.7
67	66.0	54.9	82.3
52	29.8	24.9	37.3



#42
1,2-Dichloroethane
Concen: 49.932 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion:	62	Resp:	290662
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.4





#43

Isopropyl Acetate

Concen: 61.106 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

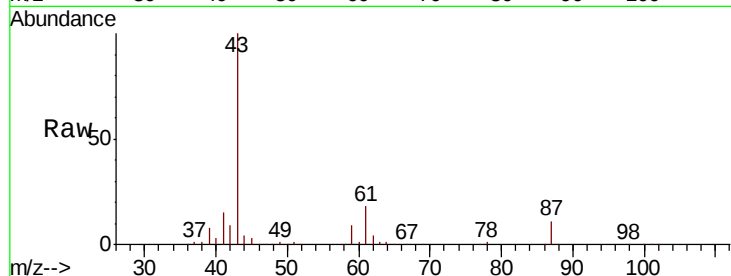
Tot Ion: 43 Resp: 419608

Ion Ratio Lower Upper

43 100

61 24.2 20.8 31.2

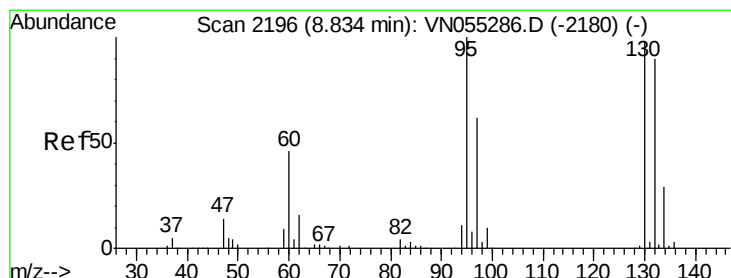
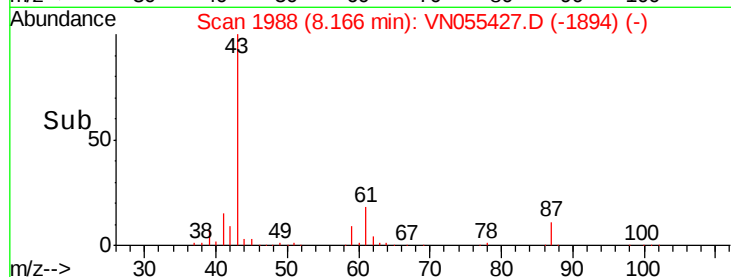
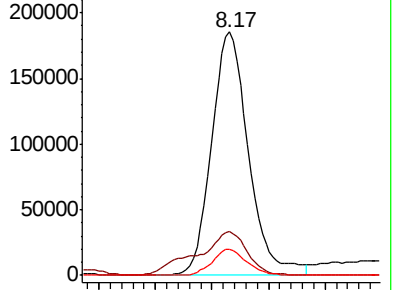
87 10.1 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN055427.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN055427.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN055427.D (-2103) (-)



#44

Trichloroethene

Concen: 47.675 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055427.D

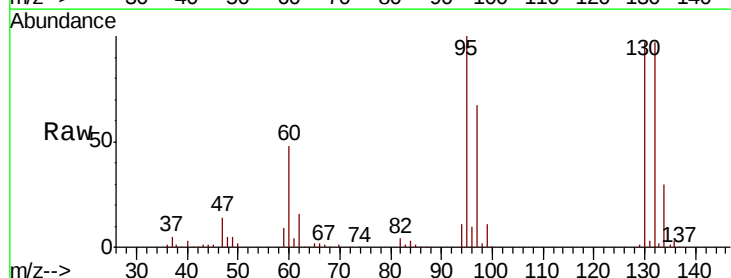
Acq: 6 May 2019 20:00

Tgt Ion:130 Resp: 199755

Ion Ratio Lower Upper

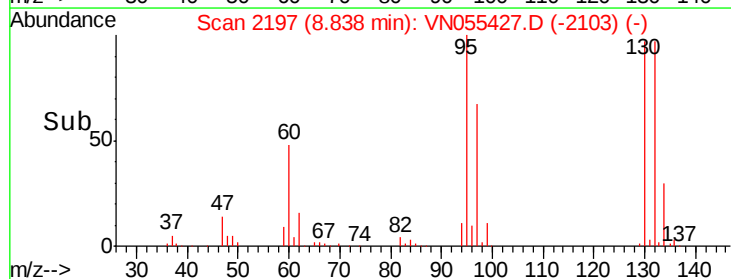
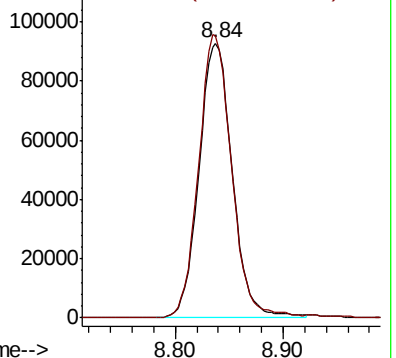
130 100

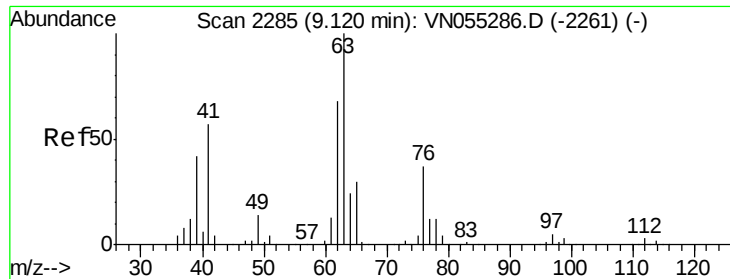
95 102.7 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN055427.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055427.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 50.114 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

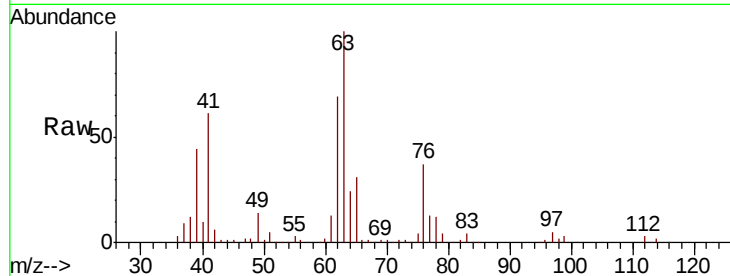
VSTDCCC050EC

Tot Ion: 63 Resp: 237555

Ion Ratio Lower Upper

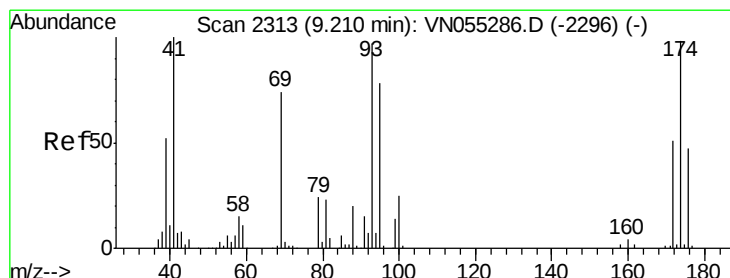
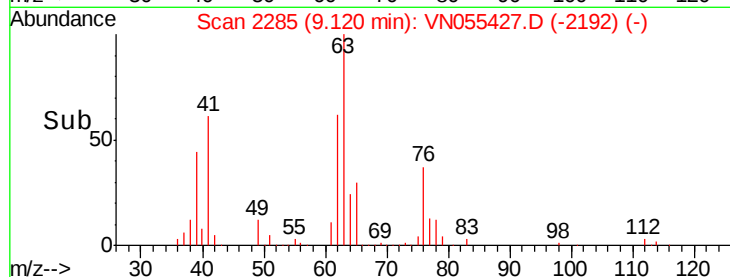
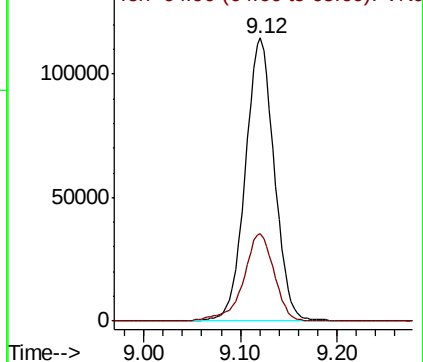
63 100

65 30.6 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 50.898 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

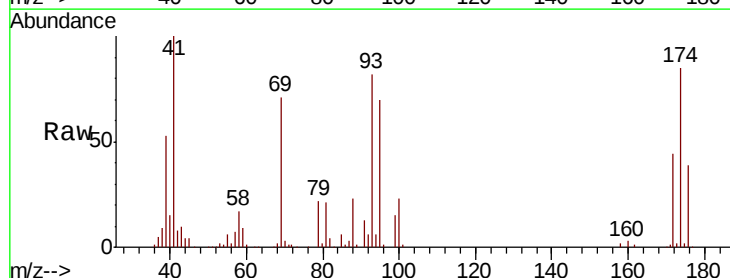
Tgt Ion: 93 Resp: 131880

Ion Ratio Lower Upper

93 100

95 83.2 65.7 98.5

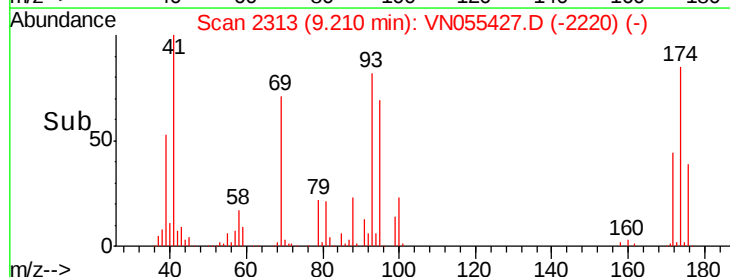
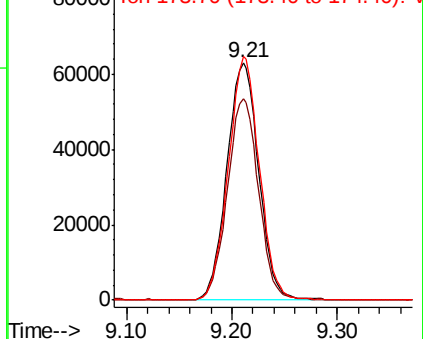
174 99.8 81.5 122.3

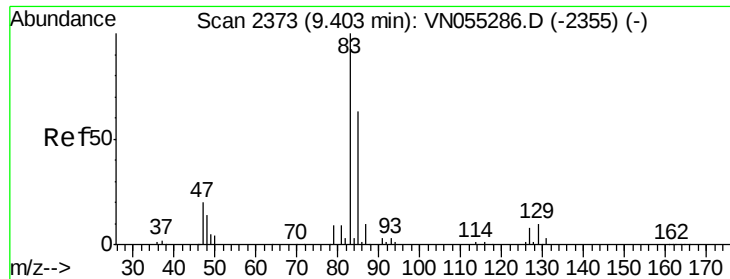


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.735 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

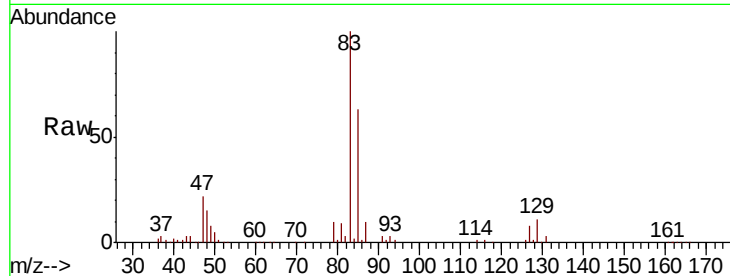
Tot Ion: 83 Resp: 282013

Ion Ratio Lower Upper

83 100

85 63.3 50.1 75.1

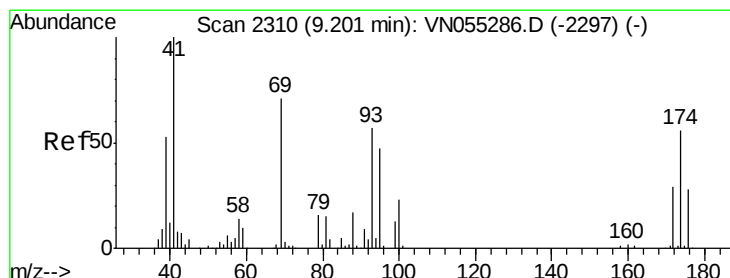
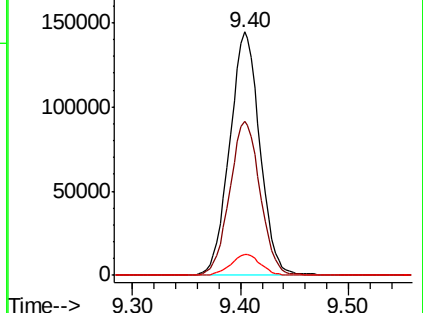
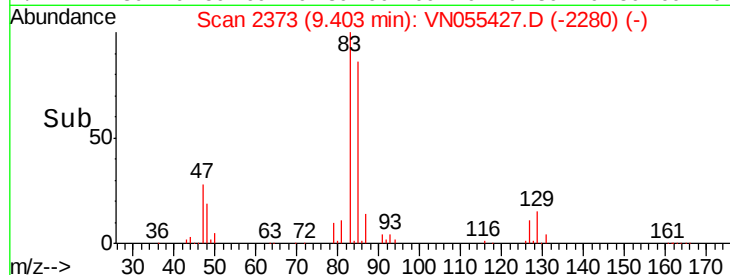
127 8.4 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN055427.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055427.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055427.D (-2280) (-)



#48

Methyl methacrylate

Concen: 56.747 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

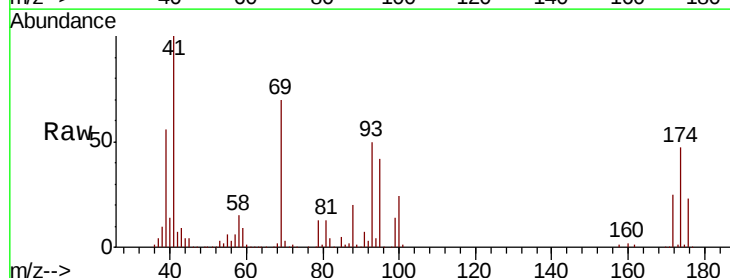
Tgt Ion: 41 Resp: 191567

Ion Ratio Lower Upper

41 100

69 75.5 58.6 87.8

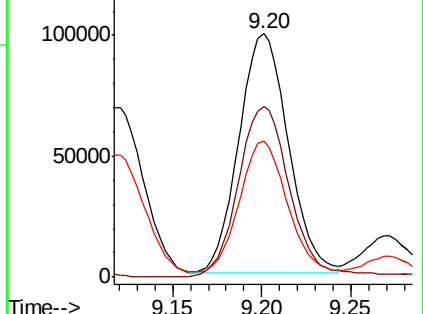
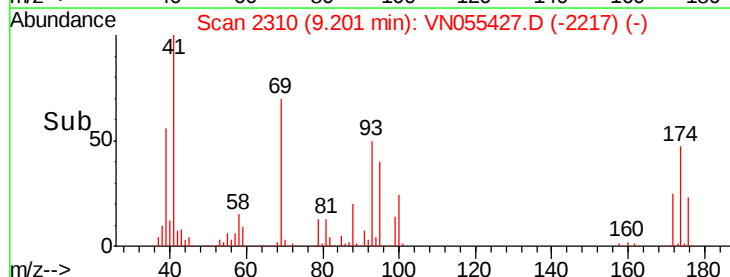
39 56.0 43.8 65.6

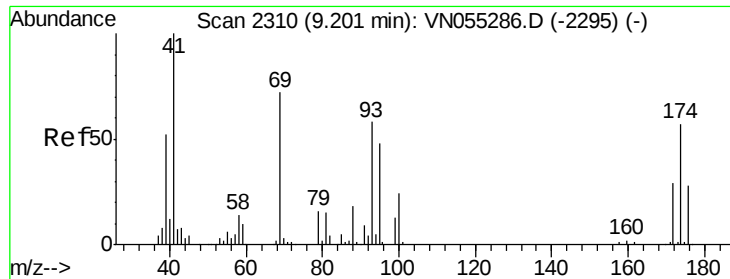


Abundance Ion 41.00 (40.70 to 41.70): VN055427.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055427.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055427.D (-2217) (-)





#49

1,4-Dioxane

Concen: 1253.355 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

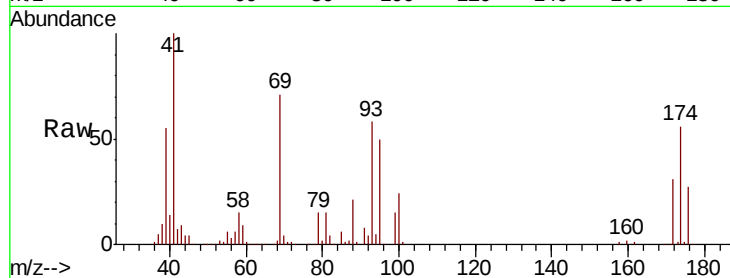
Tot Ion: 88 Resp: 43738

Ion Ratio Lower Upper

88 100

43 38.5 33.3 49.9

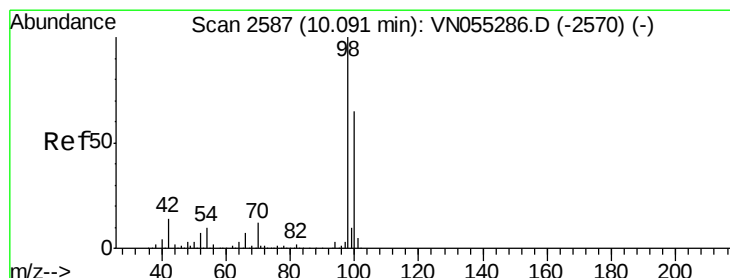
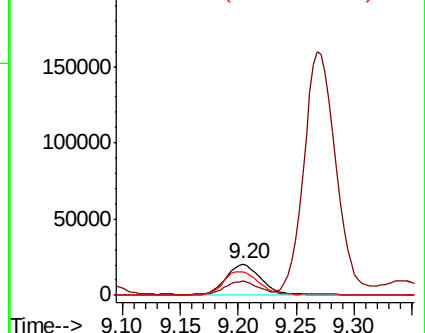
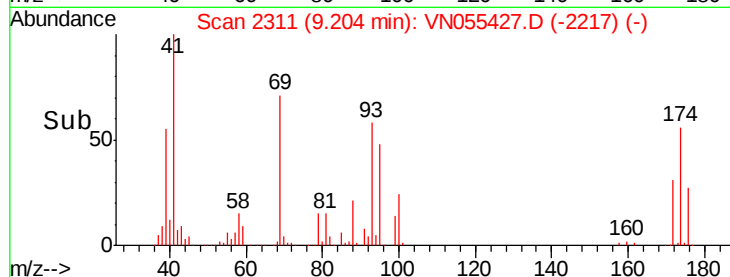
58 75.8 62.7 94.1



Abundance Ion 88.00 (87.70 to 88.70): VN055427.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN055427.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN055427.D (-2217) (-)



#50

Toluene-d8

Concen: 49.509 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055427.D

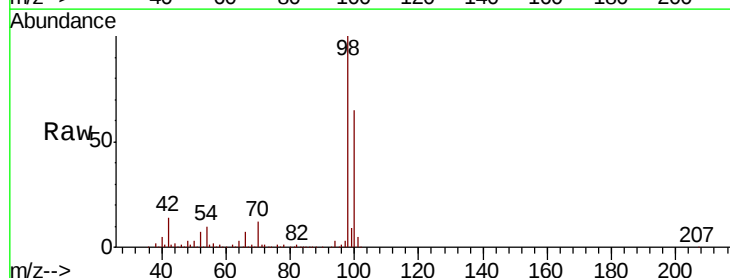
Acq: 6 May 2019 20:00

Tgt Ion: 98 Resp: 682992

Ion Ratio Lower Upper

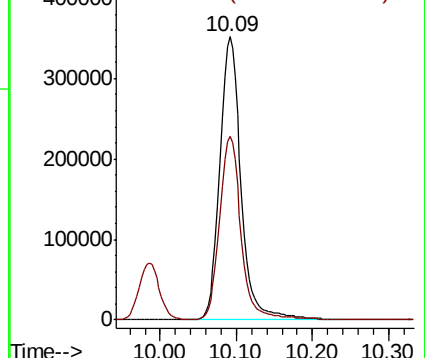
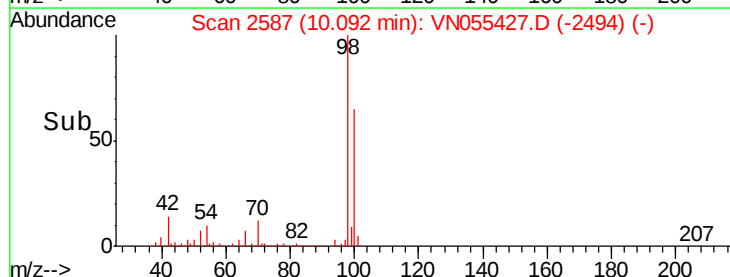
98 100

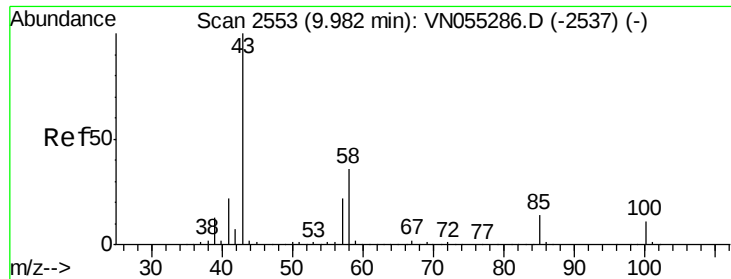
100 65.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055427.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055427.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 300.148 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

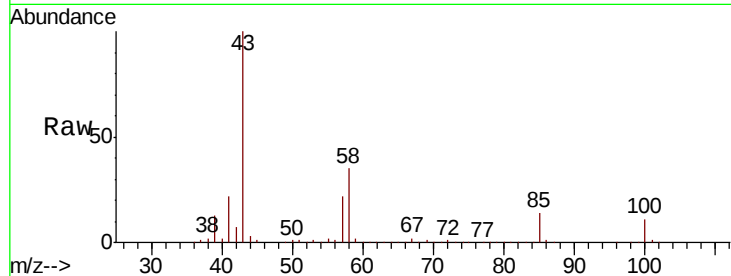
VSTDCCC050EC

Tot Ion: 43 Resp: 1160429

Ion Ratio Lower Upper

43 100

58 35.4 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

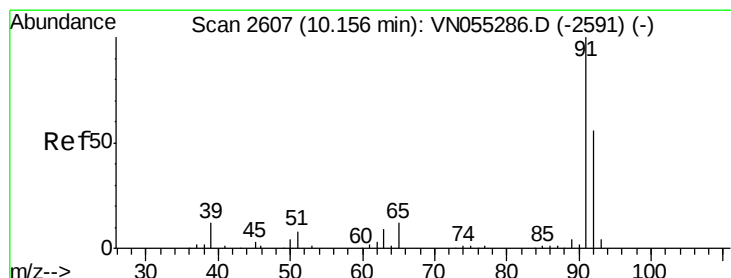
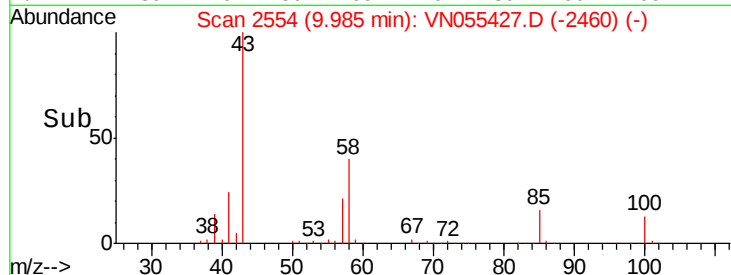
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.419 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055427.D

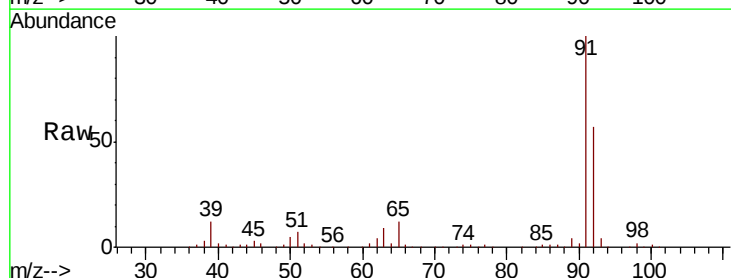
Acq: 6 May 2019 20:00

Tgt Ion: 92 Resp: 466036

Ion Ratio Lower Upper

92 100

91 175.0 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

400000

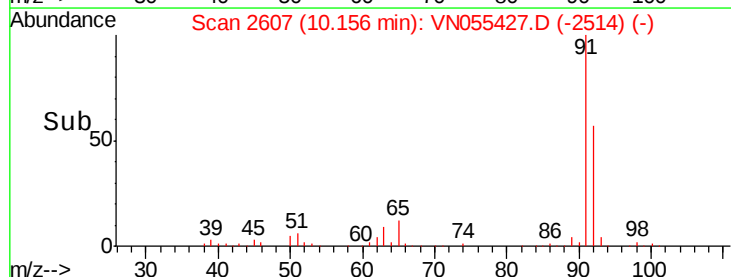
300000

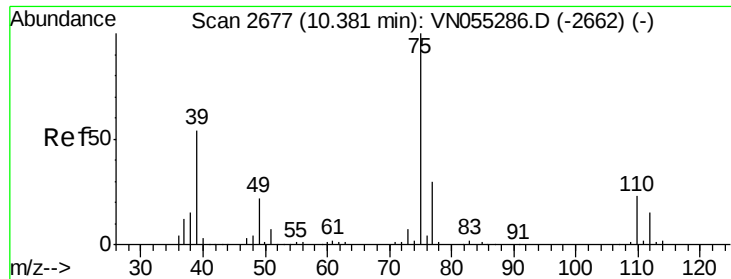
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.014 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

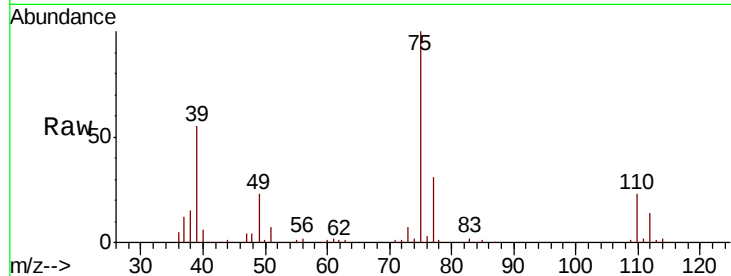
VSTDCCC050EC

Tot Ion: 75 Resp: 260639

Ion Ratio Lower Upper

75 100

77 30.8 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

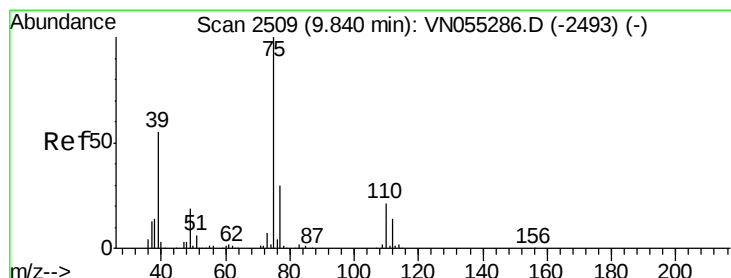
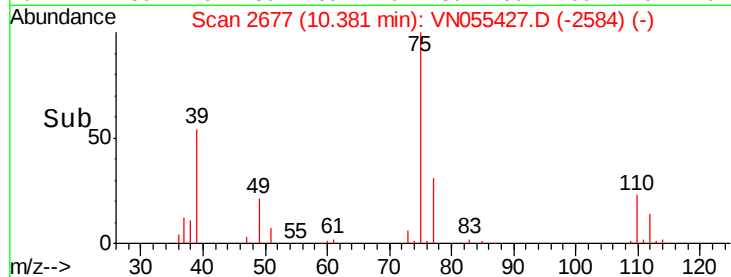
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.583 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

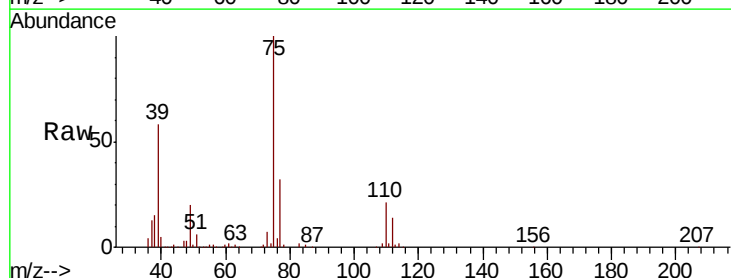
Tgt Ion: 75 Resp: 316357

Ion Ratio Lower Upper

75 100

77 32.1 24.2 36.2

39 58.1 44.2 66.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

200000

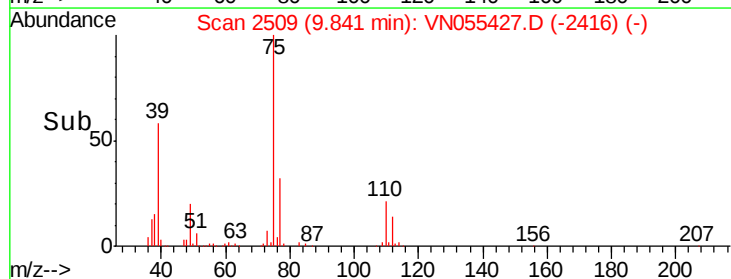
150000

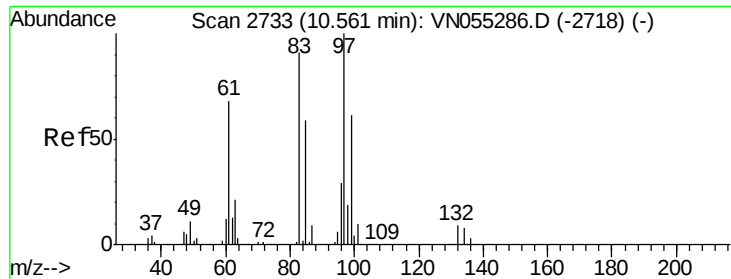
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 52.938 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 185379

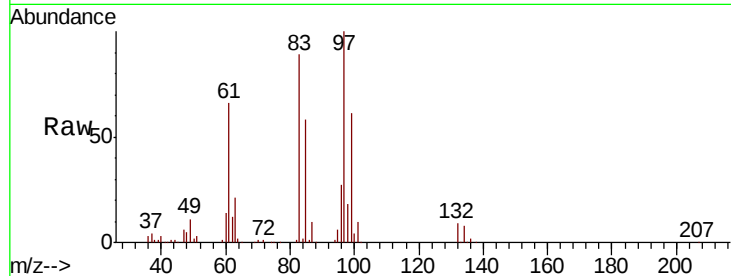
Ion	Ratio	Lower	Upper
97	100		
83	89.1	72.8	109.2
85	58.3	47.0	70.6
99	60.9	49.0	73.4

97 100

83 89.1 72.8 109.2

85 58.3 47.0 70.6

99 60.9 49.0 73.4



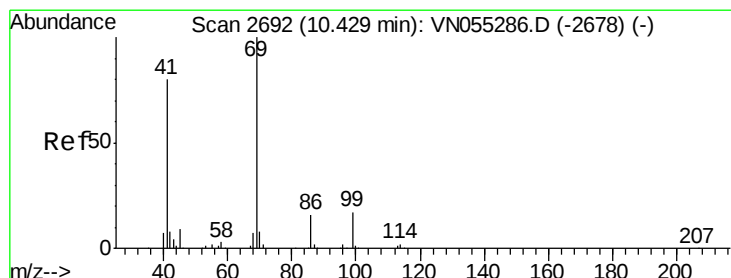
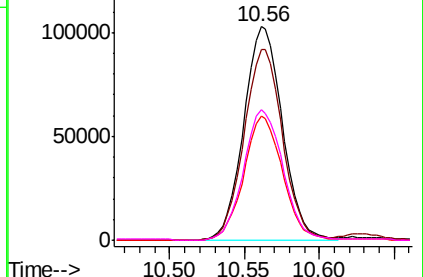
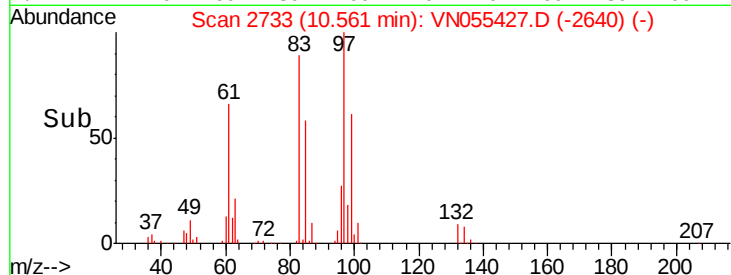
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 58.366 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

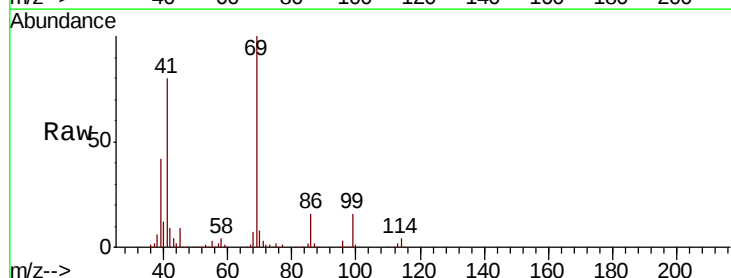
Tgt Ion: 69 Resp: 251571

Ion	Ratio	Lower	Upper
69	100		
41	78.9	62.7	94.1
39	41.5	32.0	48.0

69 100

41 78.9 62.7 94.1

39 41.5 32.0 48.0

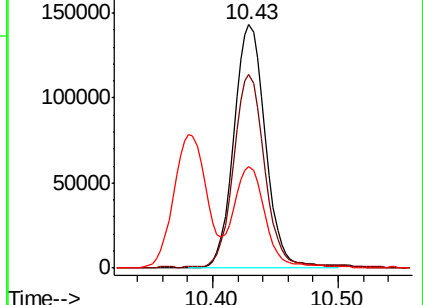
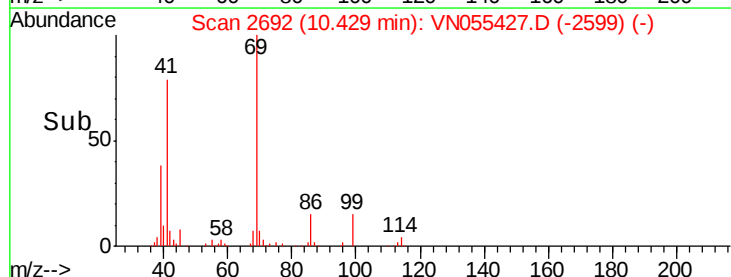


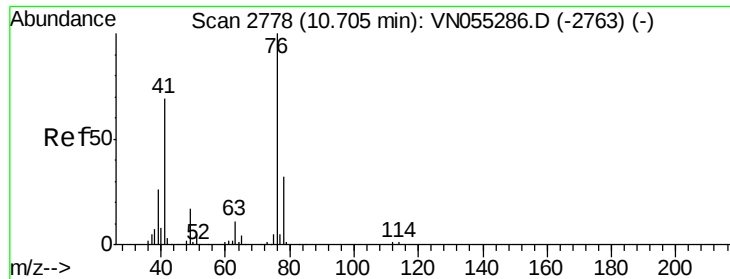
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 52.766 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

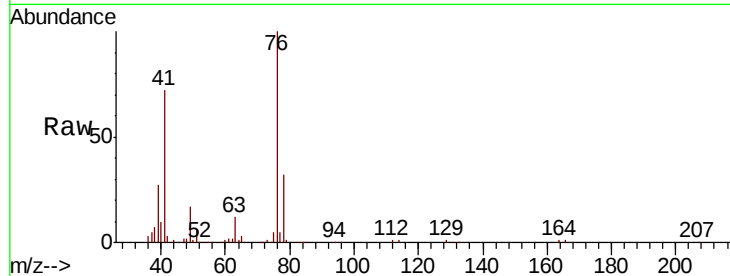
VSTDCCC050EC

Tot Ion: 76 Resp: 324149

Ion Ratio Lower Upper

76 100

78 31.8 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN055427.D (-2685) (-)

Ion 77.90 (77.60 to 78.60): VN055427.D (-2685) (-)

10.71

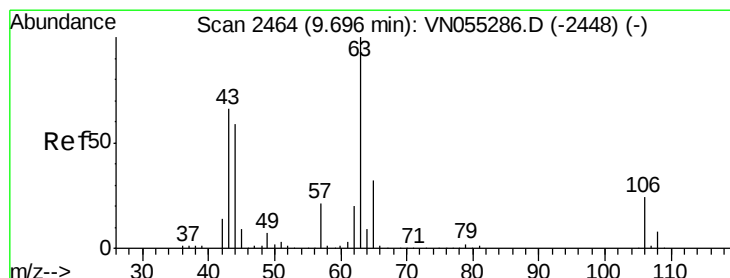
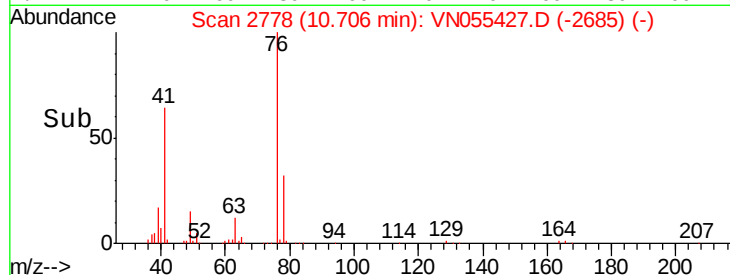
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 226.846 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055427.D

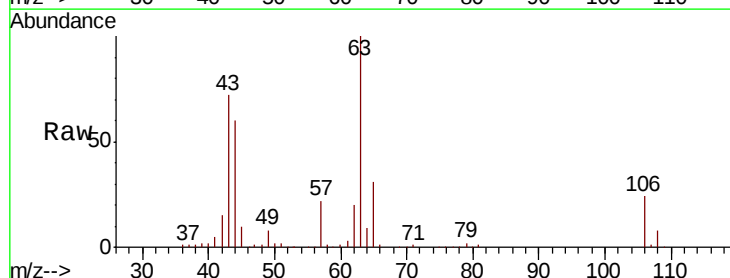
Acq: 6 May 2019 20:00

Tgt Ion: 63 Resp: 301827

Ion Ratio Lower Upper

63 100

106 23.8 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN055427.D (-2370) (-)

Ion 105.90 (105.60 to 106.60): VN055427.D (-2370) (-)

9.70

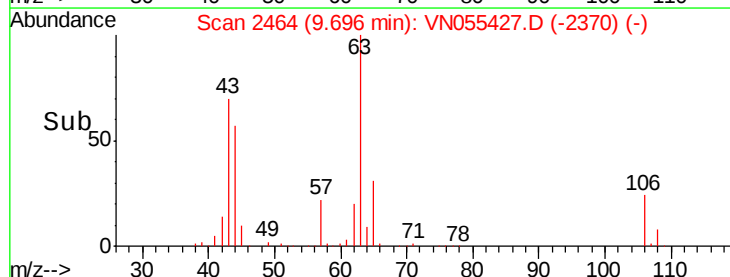
150000

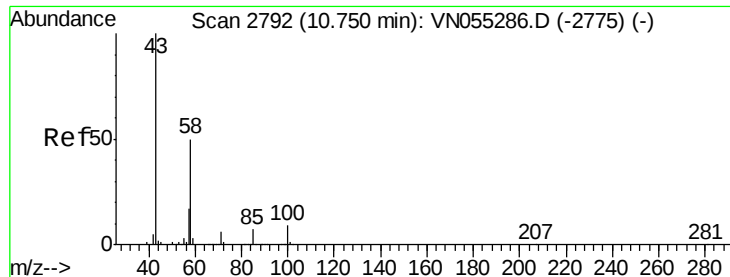
100000

50000

0

Time-->

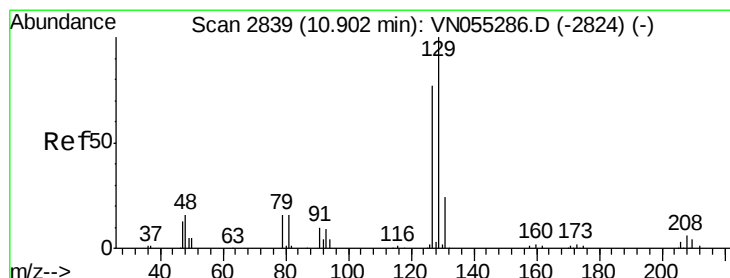
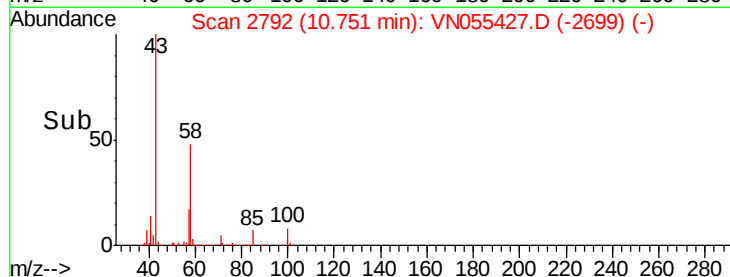
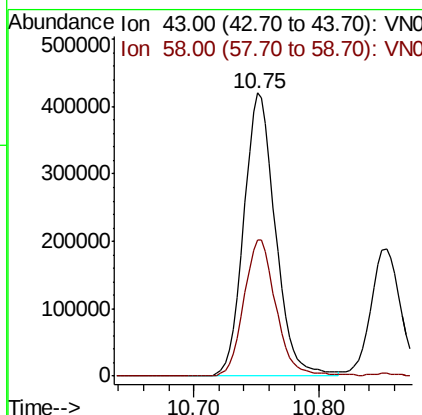
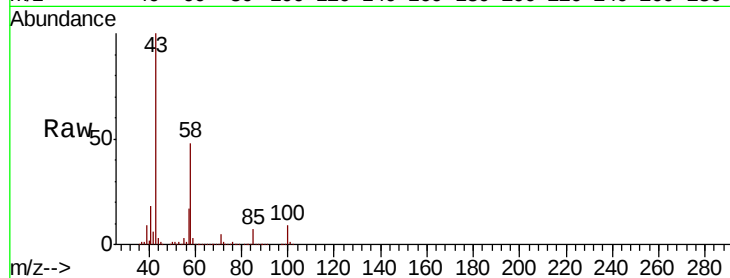




#59
2-Hexanone
Concen: 303.617 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

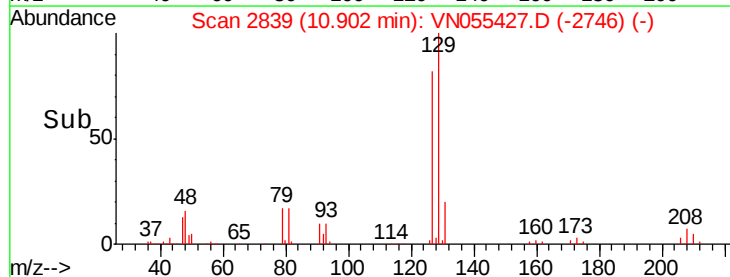
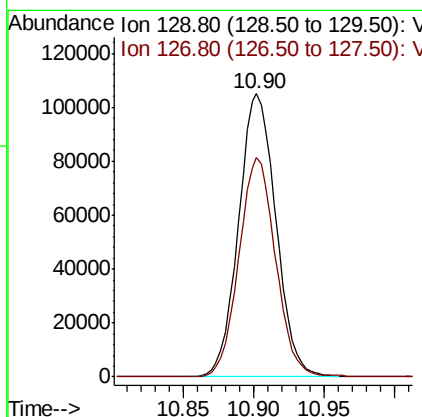
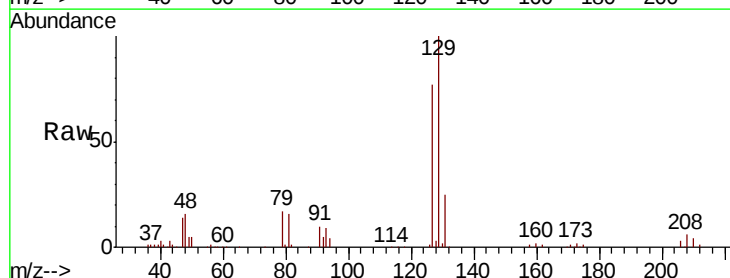
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

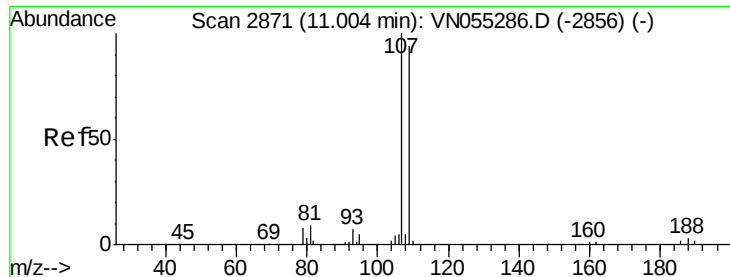
Tot Ion: 43 Resp: 734454
Ion Ratio Lower Upper
43 100
58 49.2 24.9 74.6



#60
Dibromochloromethane
Concen: 54.484 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion: 129 Resp: 194999
Ion Ratio Lower Upper
129 100
127 76.1 38.1 114.5





#61

1,2-Dibromoethane

Concen: 53.932 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

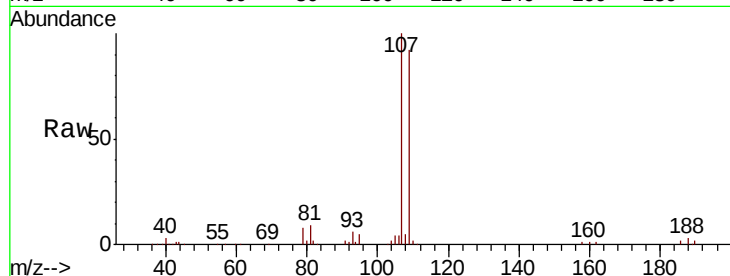
VSTDCCC050EC

Tot Ion:107 Resp: 174563

Ion Ratio Lower Upper

107 100

109 92.5 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

100000

80000

60000

40000

20000

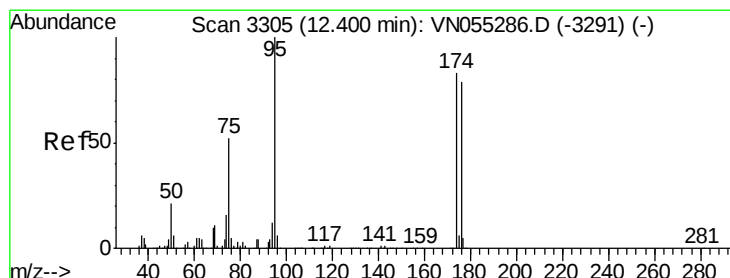
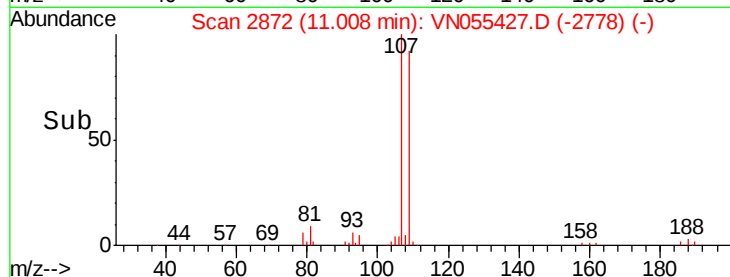
0

Time-->

10.90

11.00

11.10



#62

4-Bromofluorobenzene

Concen: 55.527 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

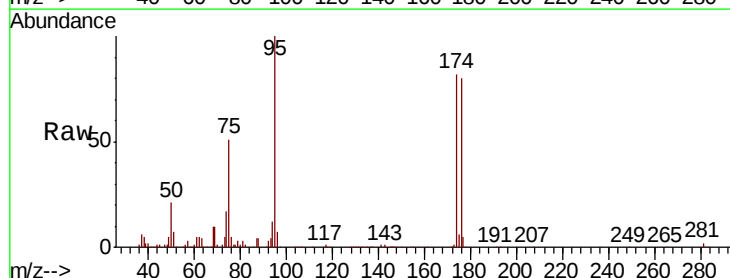
Tgt Ion: 95 Resp: 239404

Ion Ratio Lower Upper

95 100

174 82.6 0.0 166.6

176 80.2 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

150000

100000

50000

0

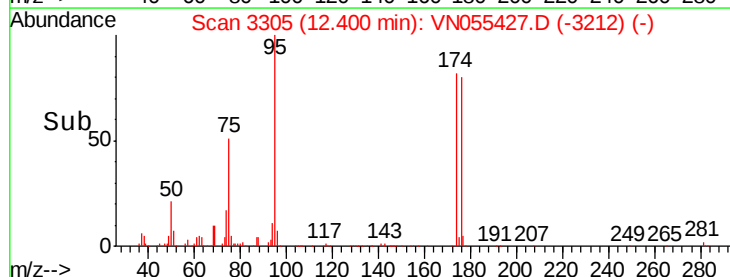
Time-->

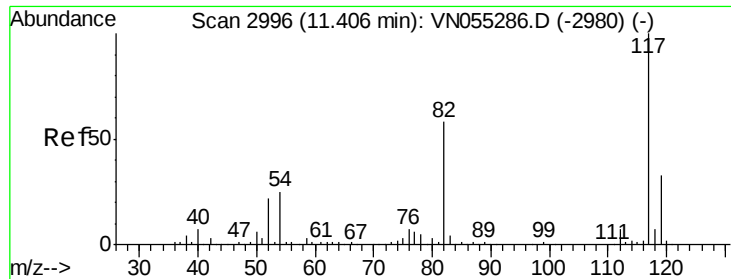
12.35

12.40

12.45

12.50

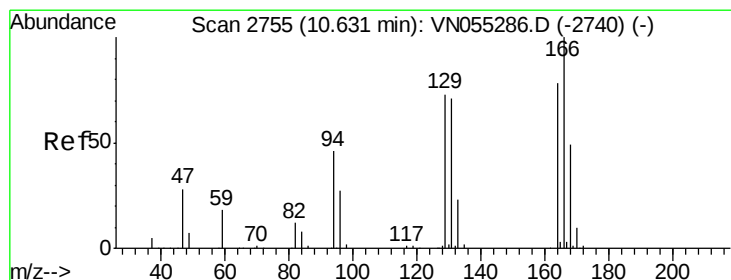
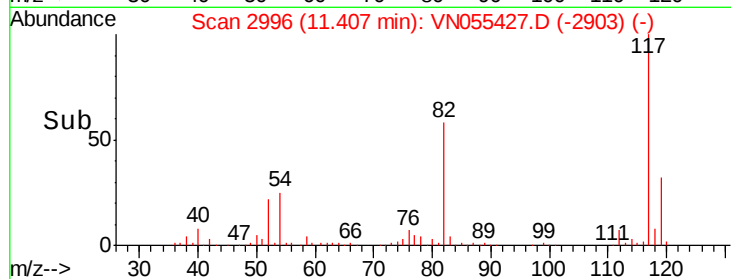
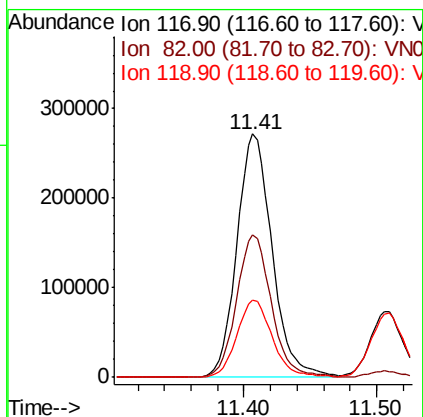
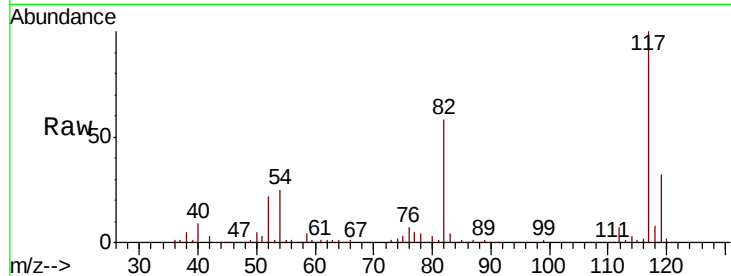




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

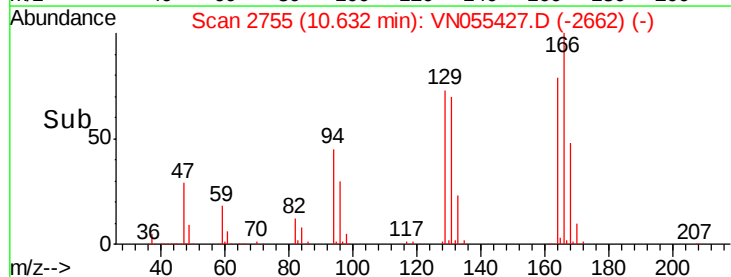
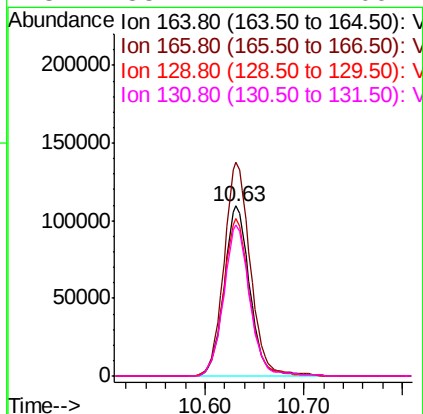
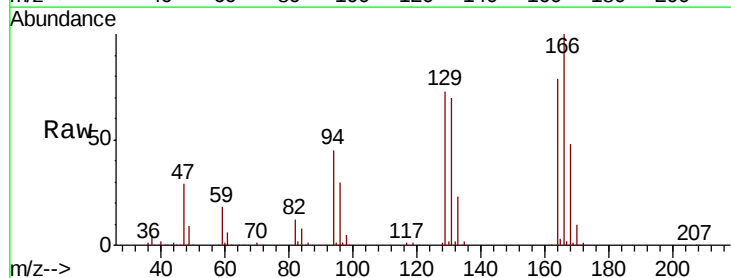
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

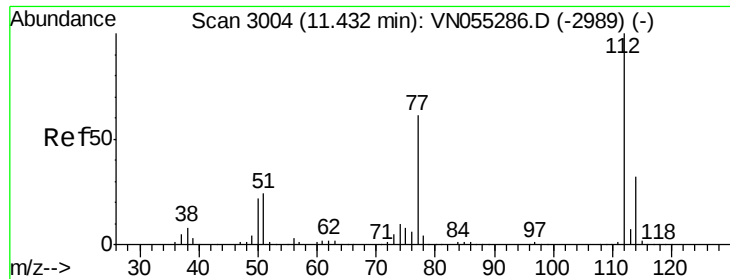
Tot Ion:117 Resp: 502097
Ion Ratio Lower Upper
117 100
82 58.5 46.2 69.4
119 31.9 26.6 40.0



#64
Tetrachloroethene
Concen: 48.758 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion:164 Resp: 200202
Ion Ratio Lower Upper
164 100
166 125.8 102.3 153.5
129 92.4 75.0 112.6
131 88.7 72.7 109.1

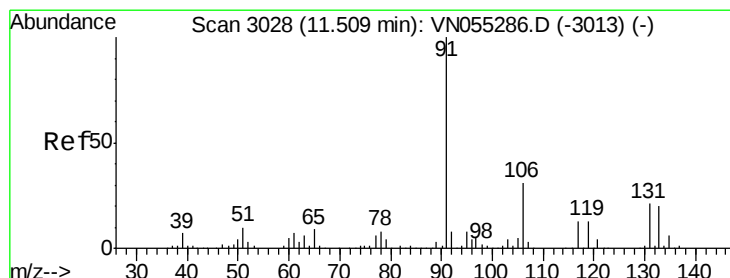
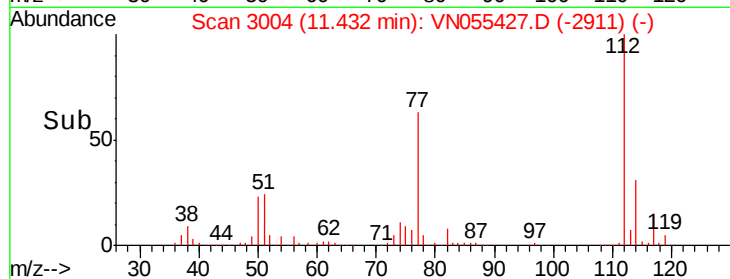
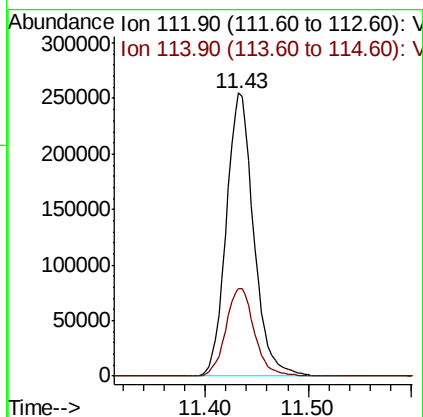
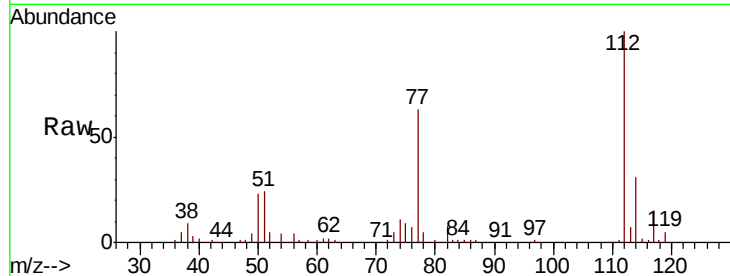




#65
Chlorobenzene
Concen: 48.099 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

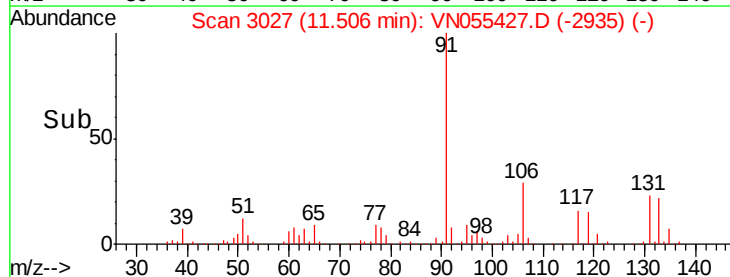
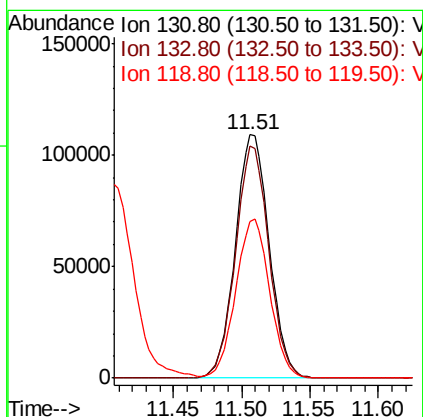
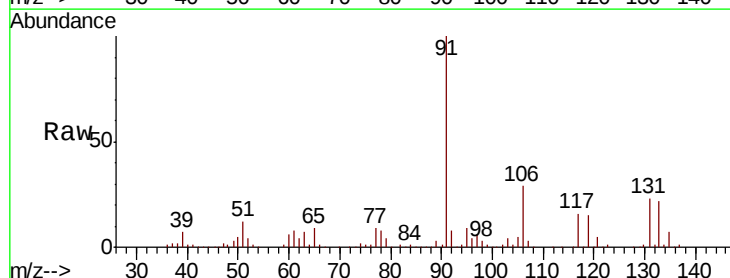
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

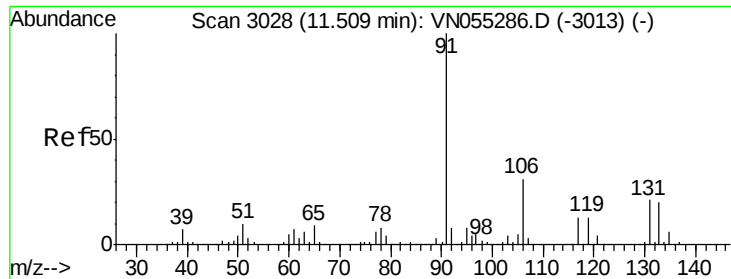
Tot Ion:112 Resp: 472172
Ion Ratio Lower Upper
112 100
114 31.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 49.074 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion:131 Resp: 188634
Ion Ratio Lower Upper
131 100
133 93.8 47.5 142.6
119 65.4 32.7 98.1

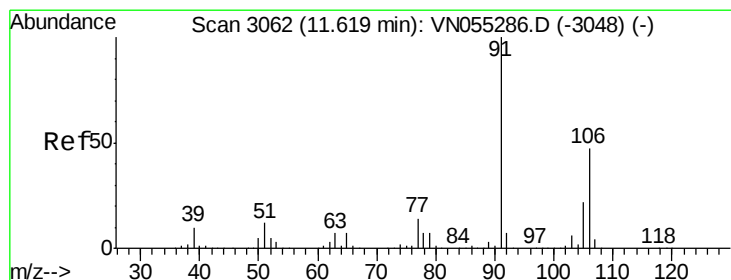
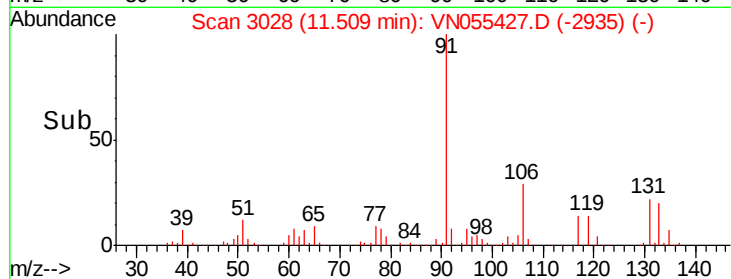
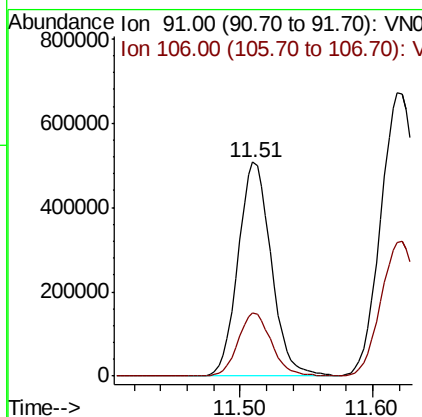
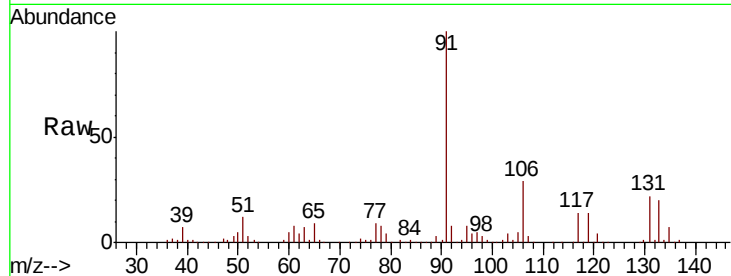




#67
Ethyl Benzene
Concen: 49.726 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

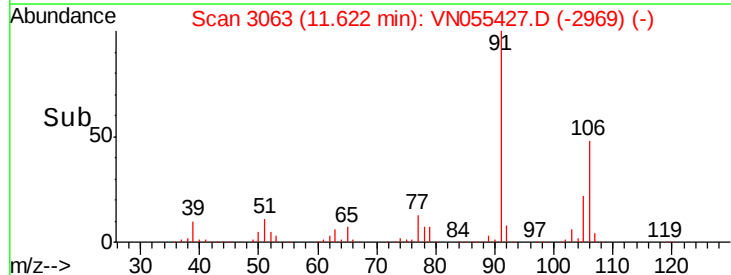
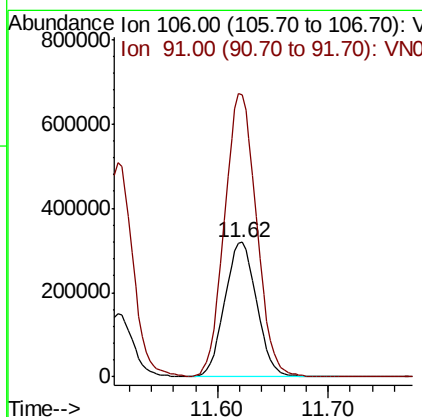
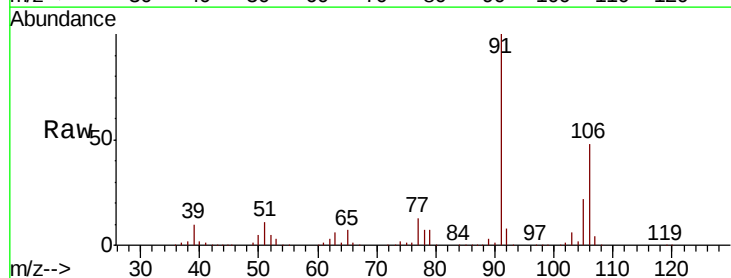
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

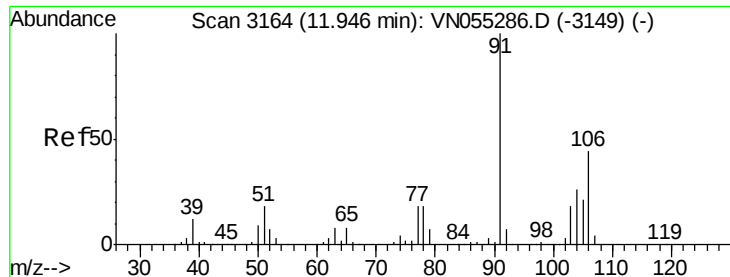
Tot Ion: 91 Resp: 881492
Ion Ratio Lower Upper
91 100
106 29.4 24.6 36.8



#68
m/p-Xylenes
Concen: 101.727 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion: 106 Resp: 643677
Ion Ratio Lower Upper
106 100
91 209.6 169.5 254.3

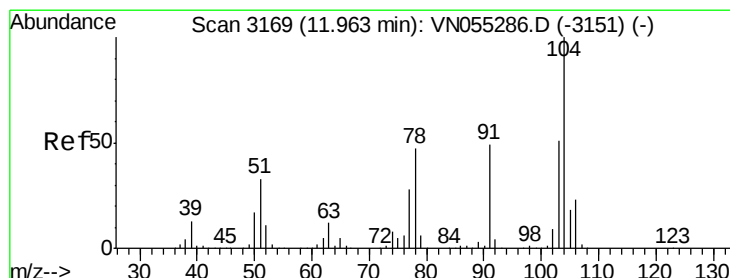
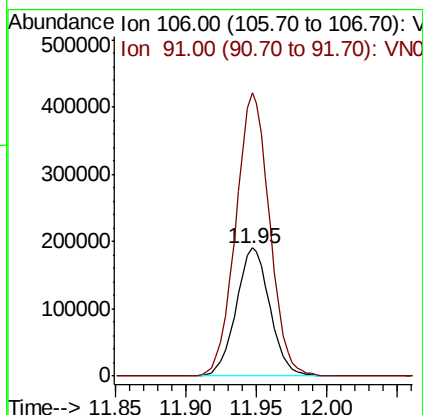
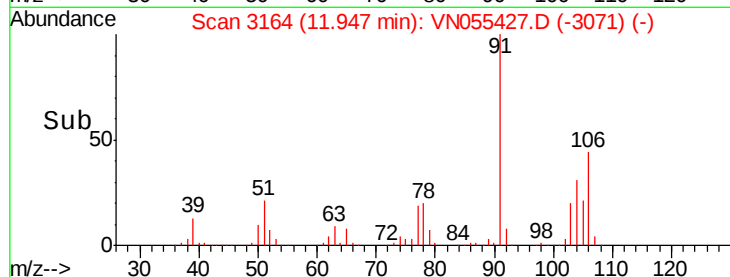
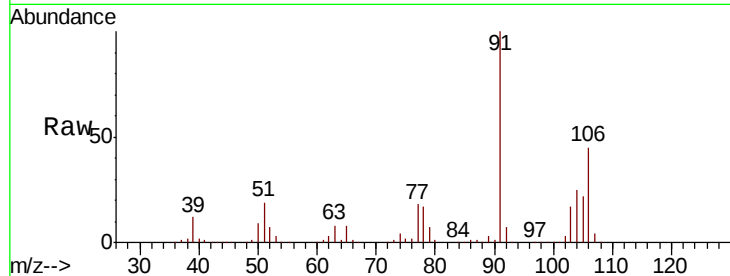




#69
o-Xylene
Concen: 50.944 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

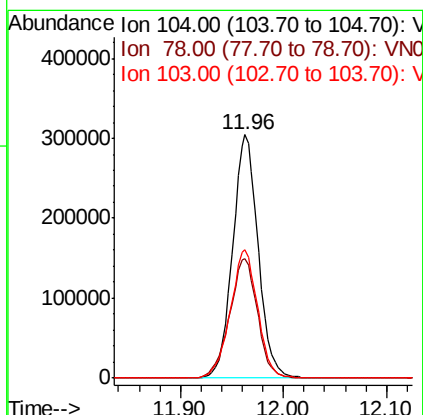
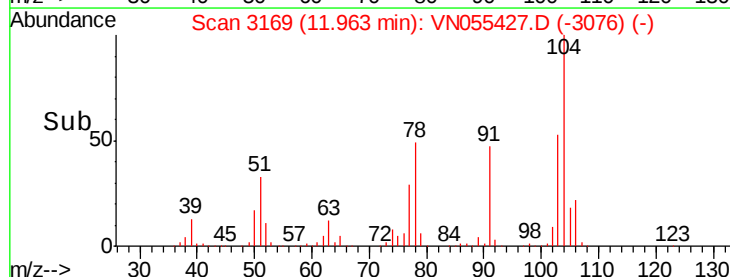
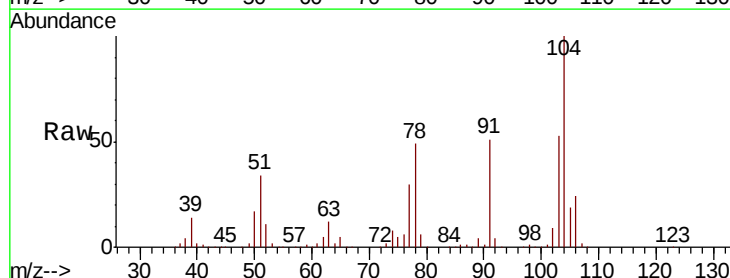
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

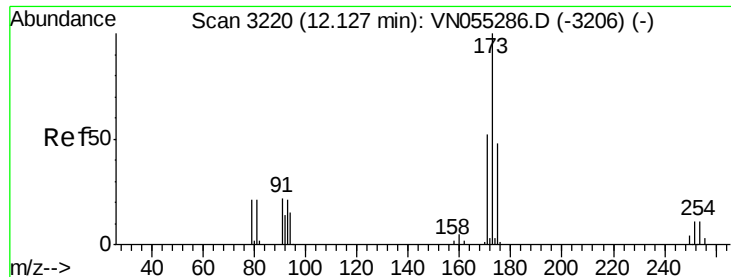
Tot Ion:106 Resp: 319504
Ion Ratio Lower Upper
106 100
91 221.5 111.5 334.5



#70
Styrene
Concen: 54.388 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion:104 Resp: 523729
Ion Ratio Lower Upper
104 100
78 53.9 42.2 63.2
103 56.5 44.6 67.0





#71

Bromoform

Concen: 57.222 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

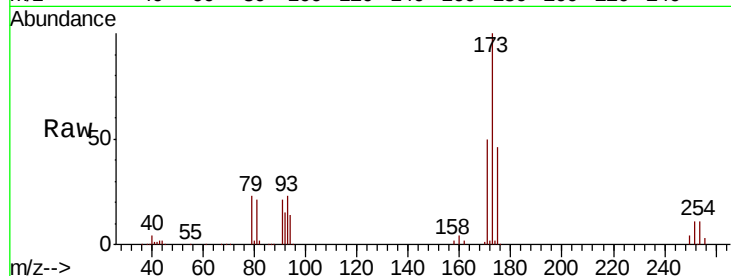
Tot Ion:173 Resp: 122050

Ion Ratio Lower Upper

173 100

175 47.2 23.6 71.0

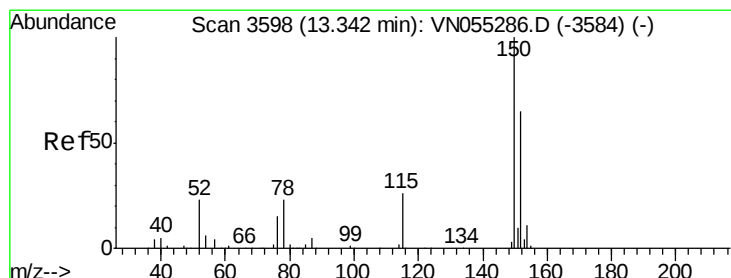
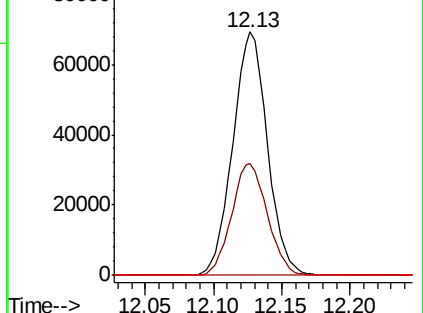
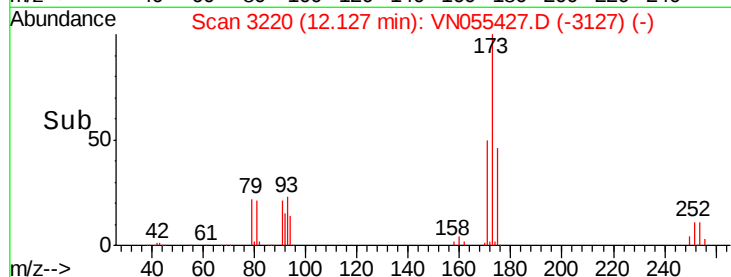
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

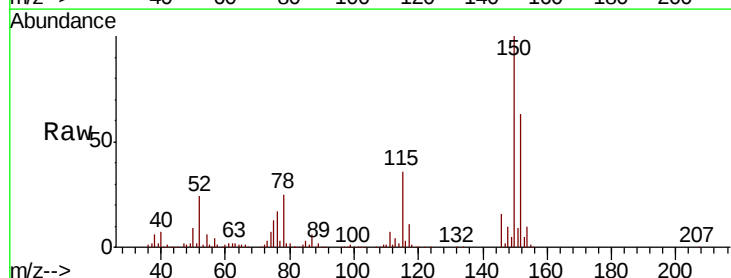
Tgt Ion:152 Resp: 214980

Ion Ratio Lower Upper

152 100

115 58.2 29.0 87.0

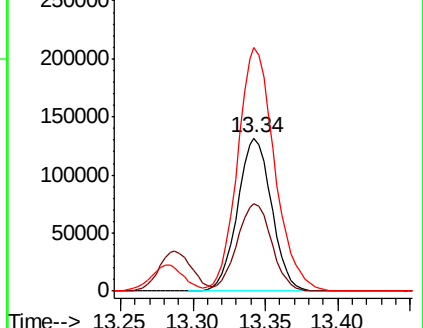
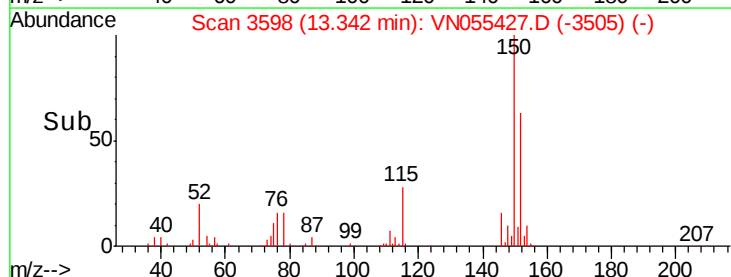
150 172.7 0.0 345.6

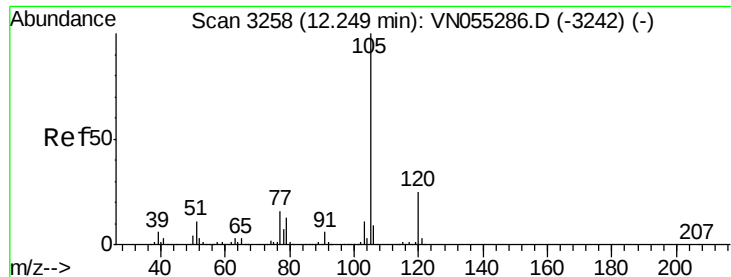


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.463 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

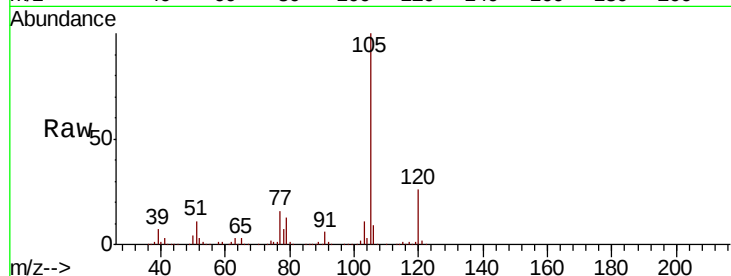
VSTDCCC050EC

Tot Ion:105 Resp: 862703

Ion Ratio Lower Upper

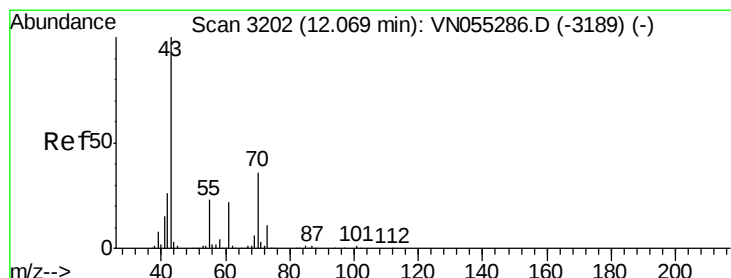
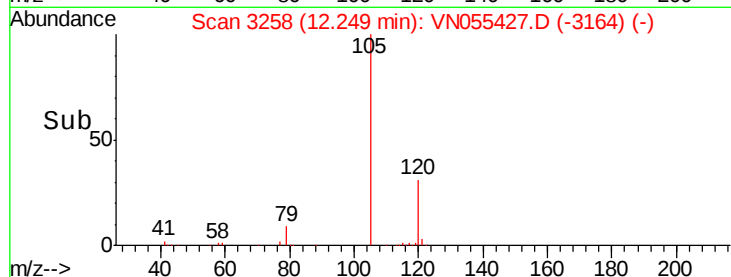
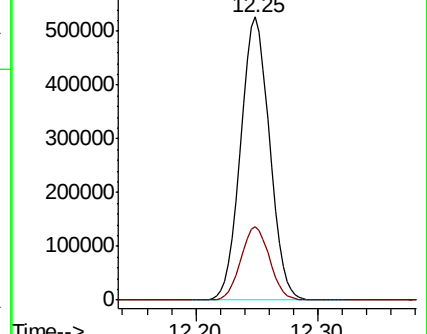
105 100

120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.386 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Tgt Ion: 43 Resp: 311093

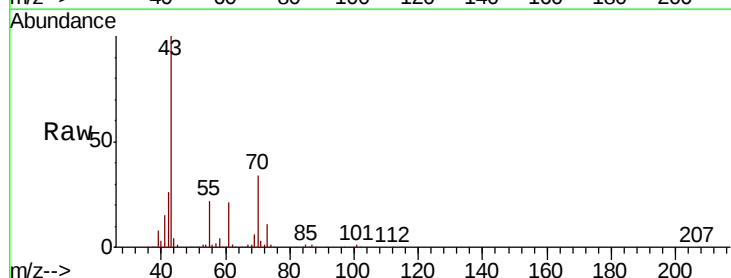
Ion Ratio Lower Upper

43 100

70 34.2 27.9 41.9

55 22.6 18.2 27.2

61 21.3 16.9 25.3

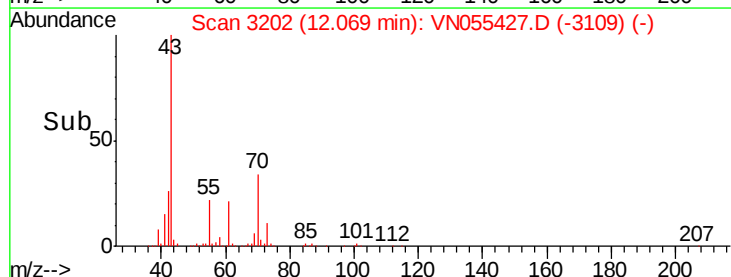
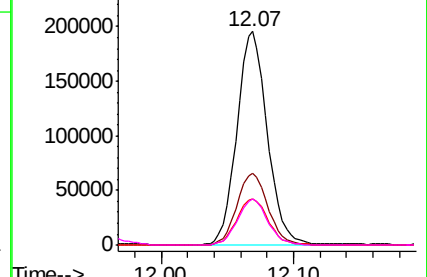


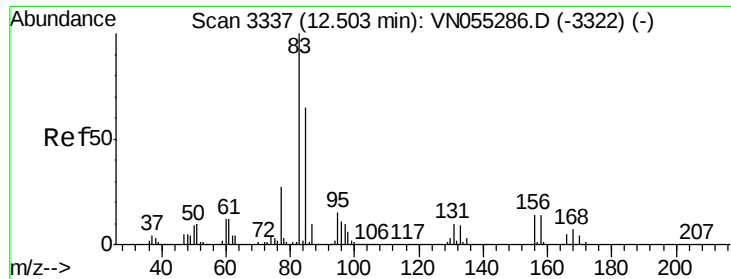
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 53.668 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

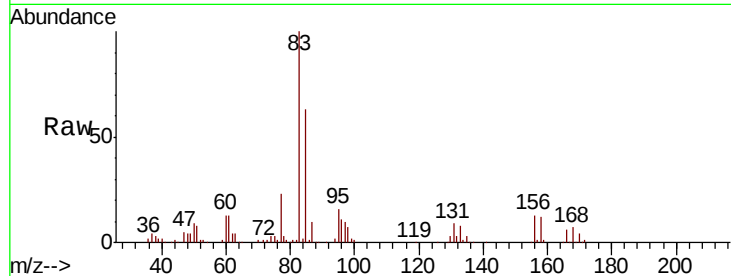
Tot Ion: 83 Resp: 227605

Ion Ratio Lower Upper

83 100

131 9.5 5.1 15.2

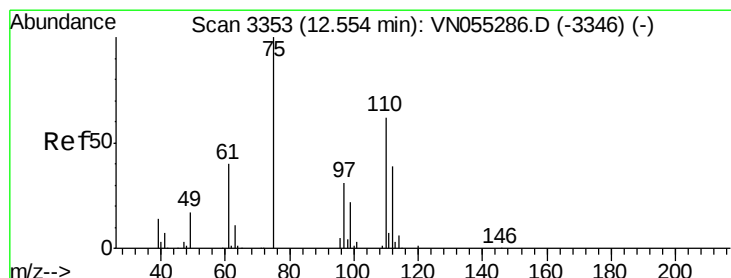
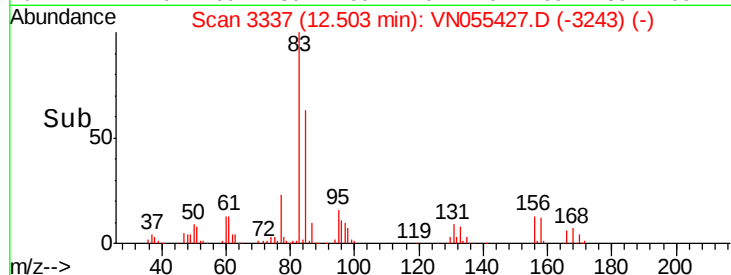
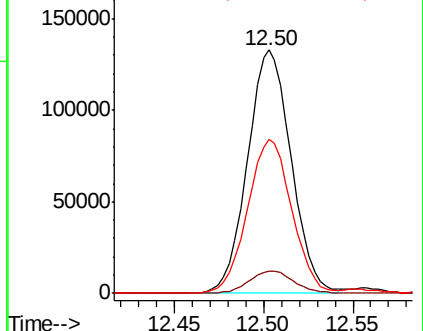
85 64.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN055427.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055427.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055427.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 70.775 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055427.D

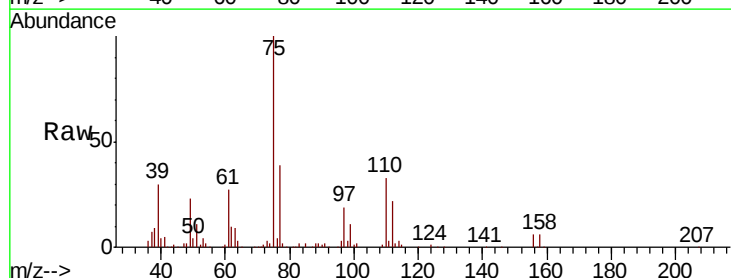
Acq: 6 May 2019 20:00

Tgt Ion: 75 Resp: 278633

Ion Ratio Lower Upper

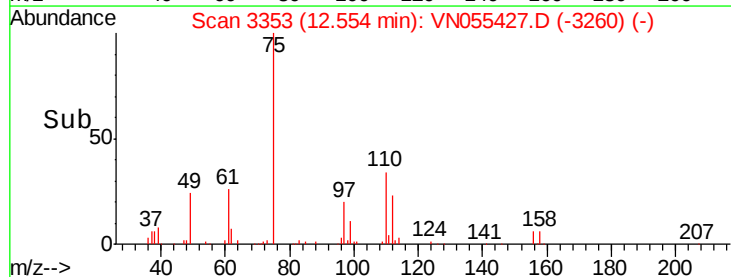
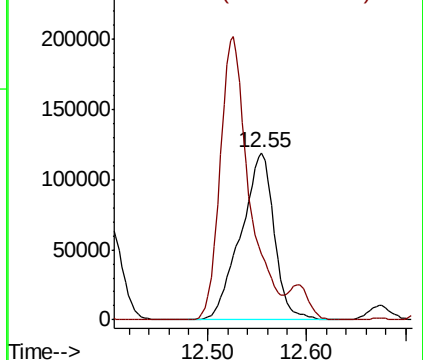
75 100

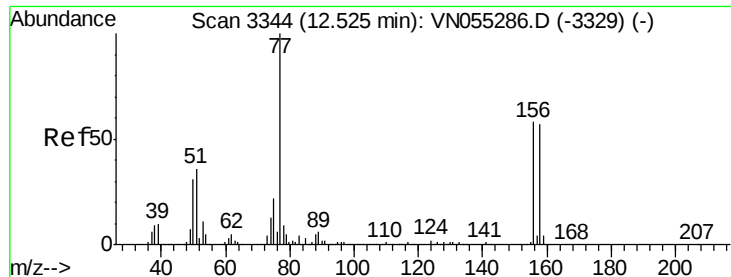
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055427.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055427.D (-3260) (-)





#77

Bromobenzene

Concen: 49.640 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

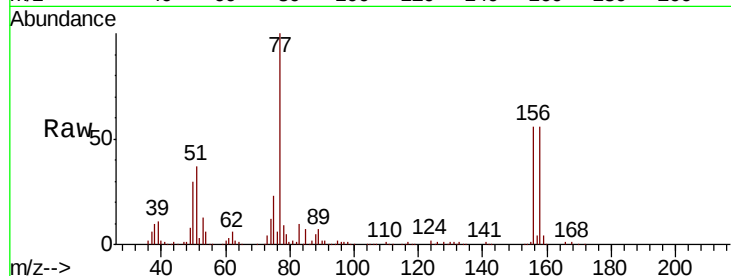
Tot Ion:156 Resp: 203640

Ion Ratio Lower Upper

156 100

77 205.7 99.6 298.8

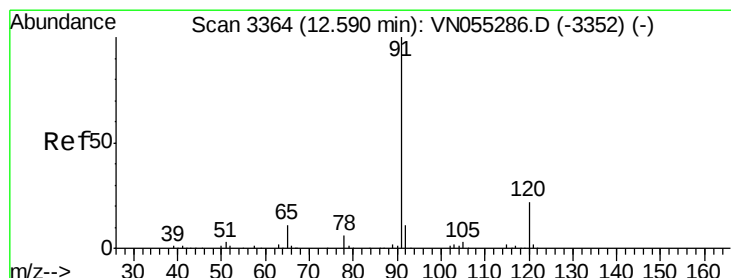
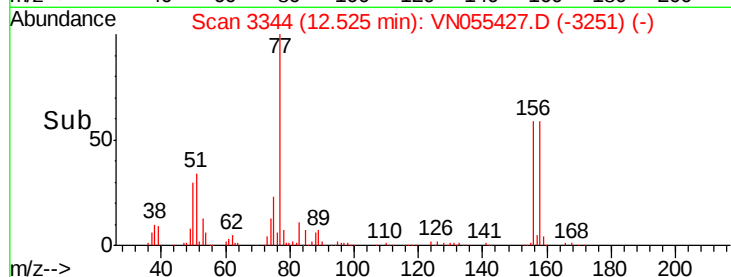
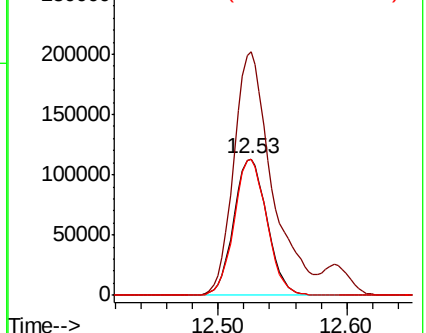
158 97.5 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 43.893 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055427.D

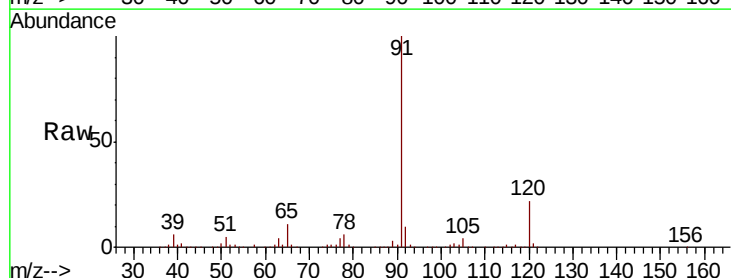
Acq: 6 May 2019 20:00

Tgt Ion: 91 Resp: 969285

Ion Ratio Lower Upper

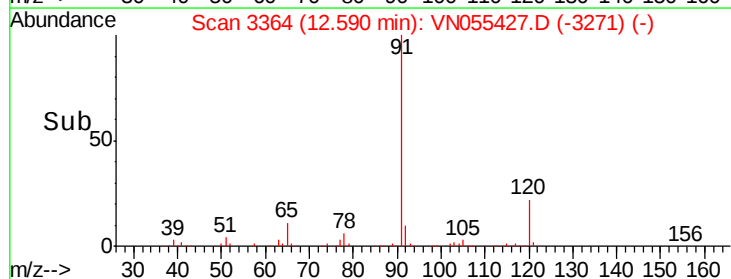
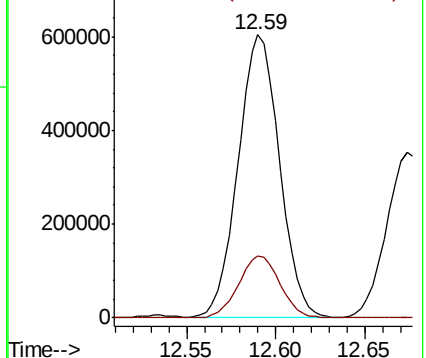
91 100

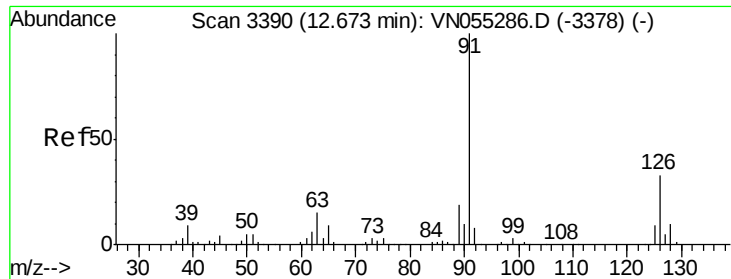
120 22.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

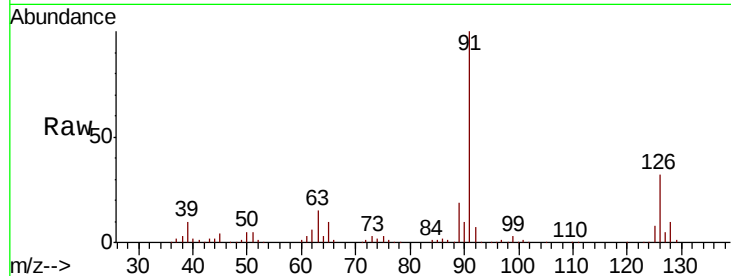




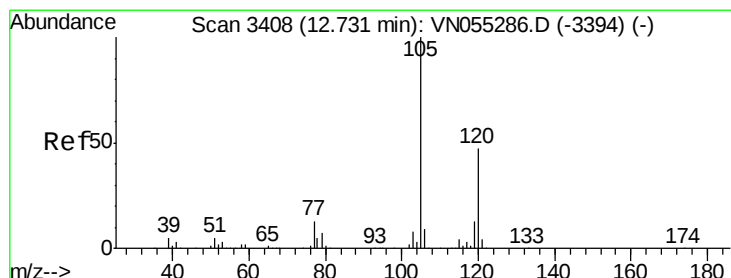
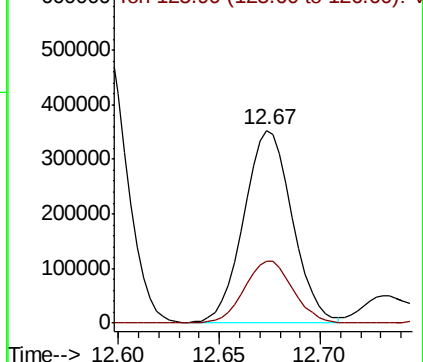
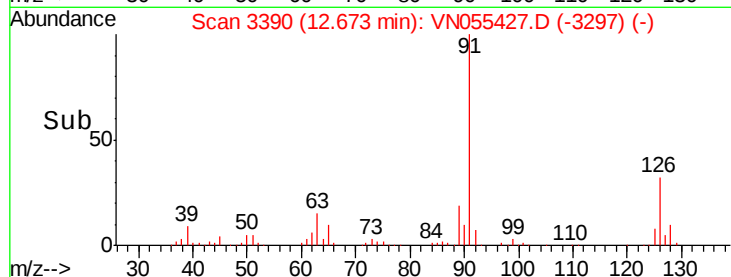
#79
 2-Chlorotoluene
 Concen: 50.798 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 591354
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.6 49.7

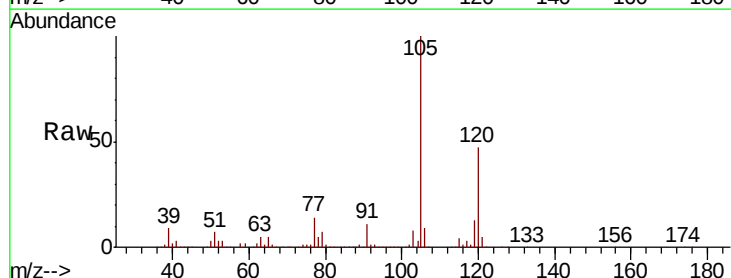


Abundance Ion 91.00 (90.70 to 91.70): VN055427.D (-3297) (-)
 Ion 125.90 (125.60 to 126.60): VN055427.D (-3297) (-)

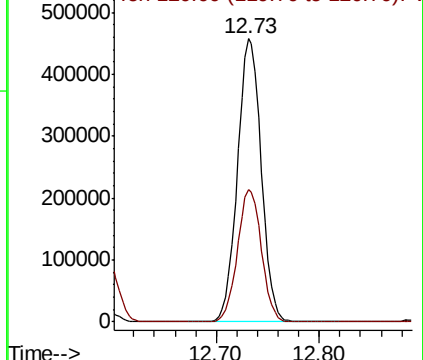
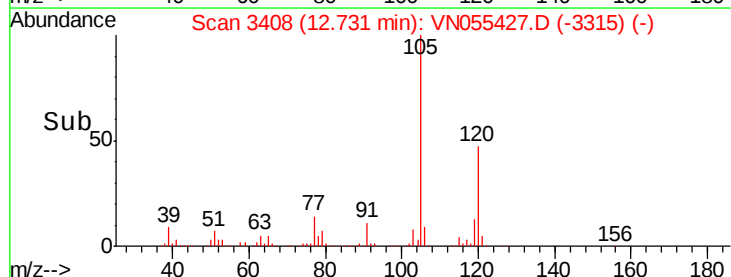


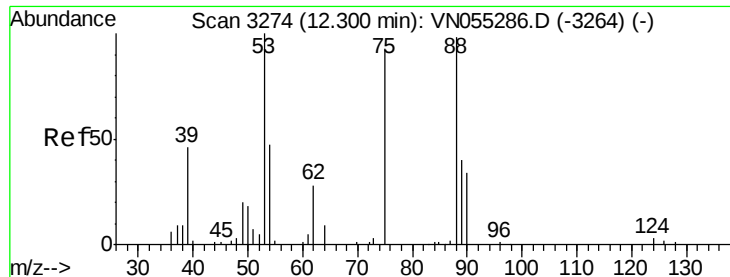
#80
 1,3,5-Trimethylbenzene
 Concen: 43.520 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

Tgt Ion: 105 Resp: 733476
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055427.D (-3315) (-)
 Ion 120.00 (119.70 to 120.70): VN055427.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.632 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

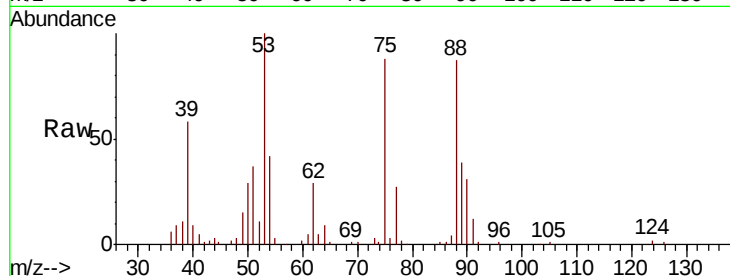
Tot Ion: 75 Resp: 55169

Ion Ratio Lower Upper

75 100

53 111.5 86.3 129.5

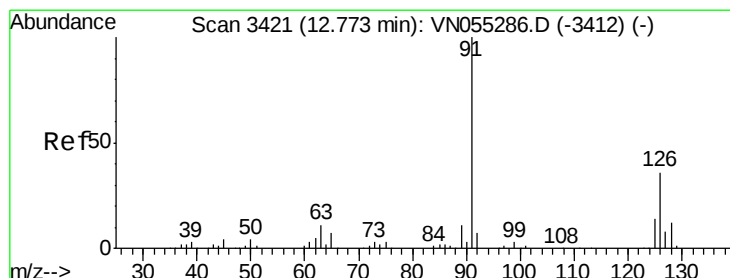
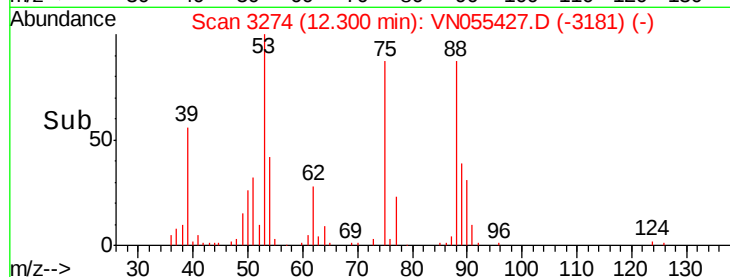
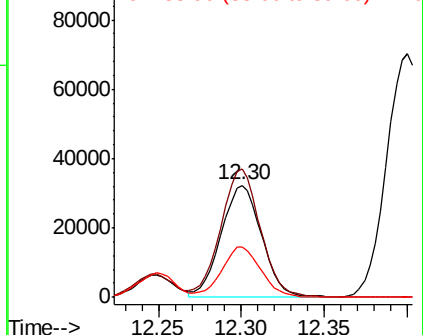
89 43.2 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 44.466 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055427.D

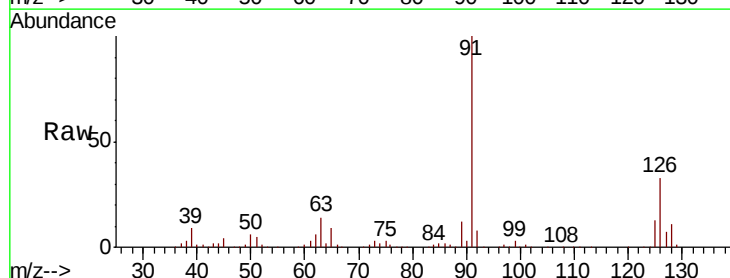
Acq: 6 May 2019 20:00

Tgt Ion: 91 Resp: 570933

Ion Ratio Lower Upper

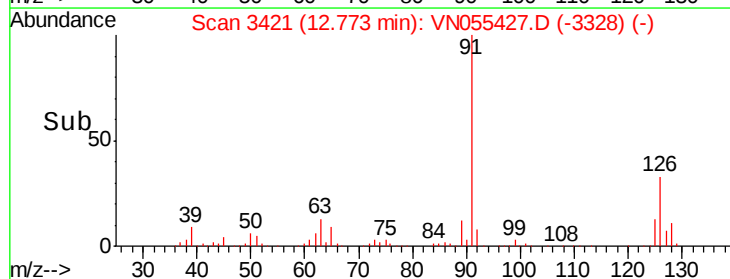
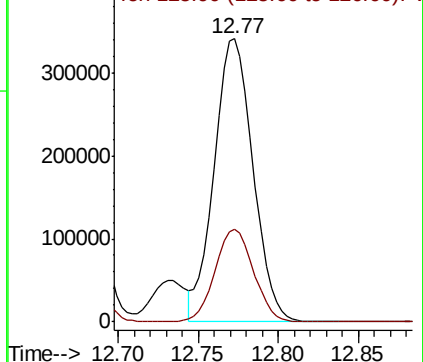
91 100

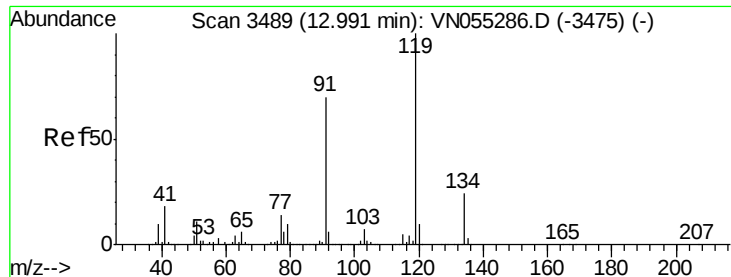
126 32.5 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

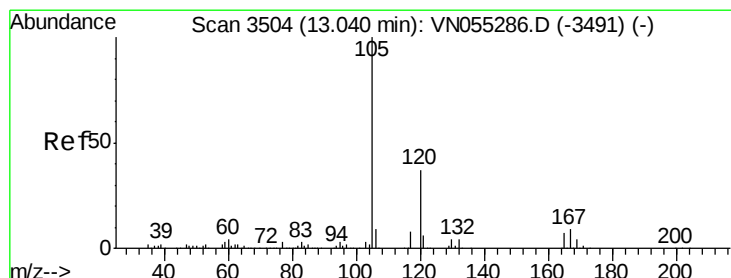
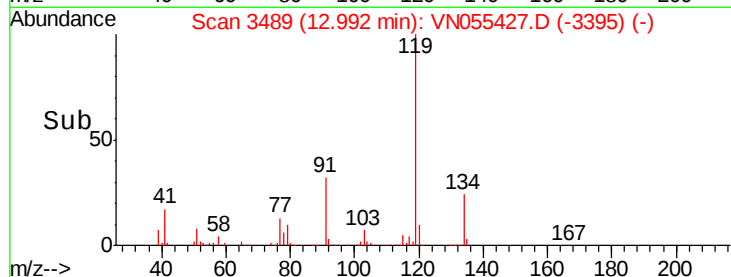
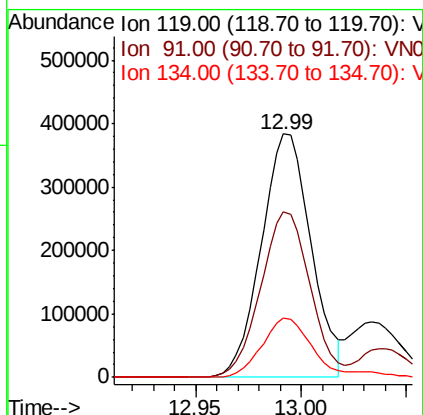
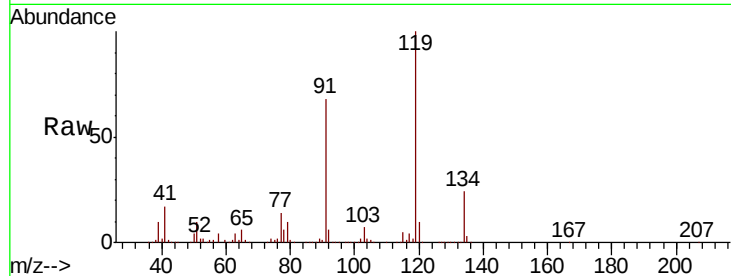




#83
tert-Butylbenzene
Concen: 52.929 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

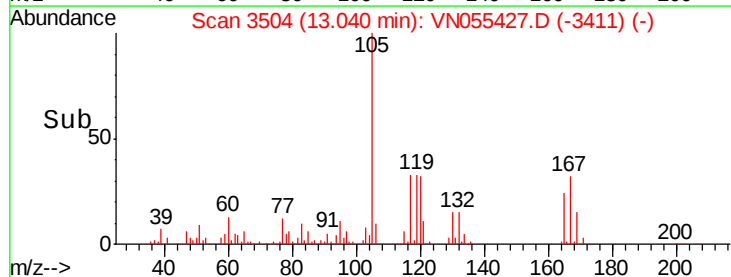
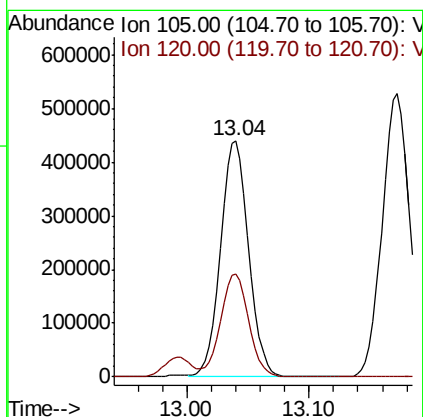
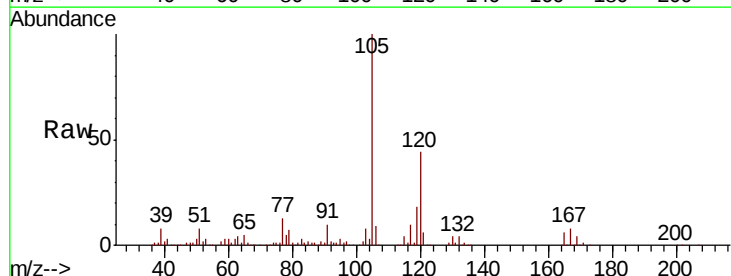
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

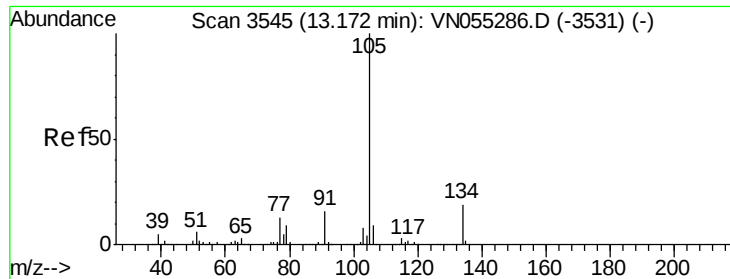
Tot Ion:119 Resp: 629370
Ion Ratio Lower Upper
119 100
91 67.8 34.3 102.9
134 25.7 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 47.027 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion:105 Resp: 708842
Ion Ratio Lower Upper
105 100
120 43.7 22.1 66.5





#85

sec-Butylbenzene

Concen: 45.206 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

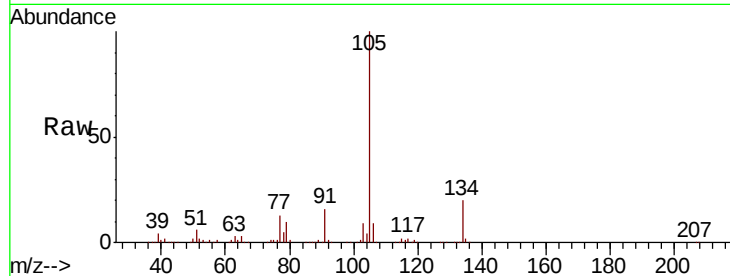
VSTDCCC050EC

Tot Ion:105 Resp: 828103

Ion Ratio Lower Upper

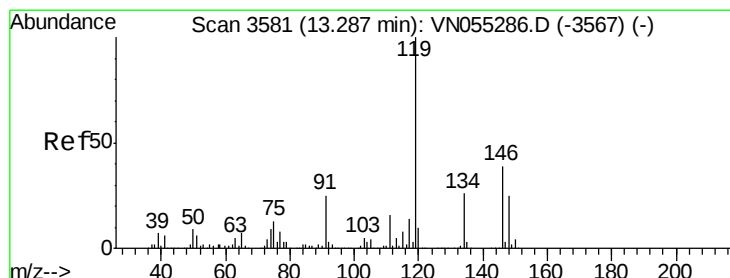
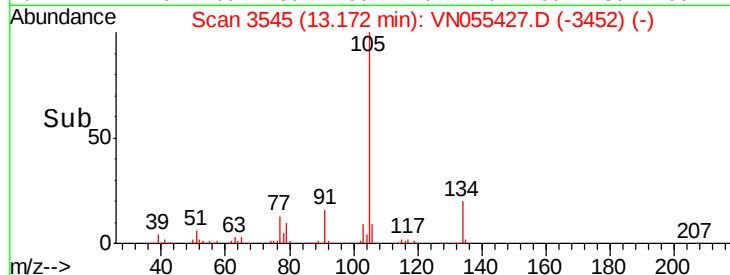
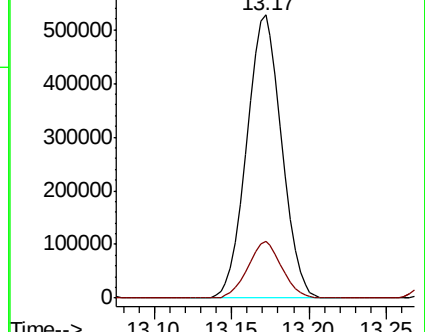
105 100

134 19.6 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.146 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

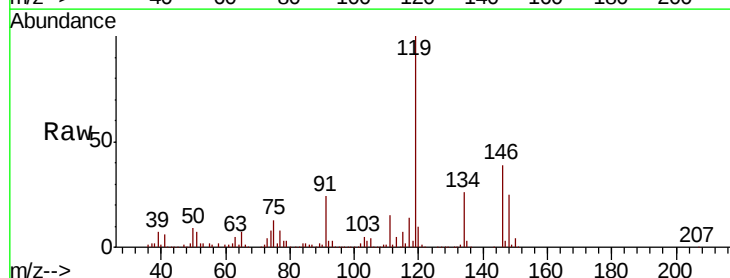
Tgt Ion:119 Resp: 724889

Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

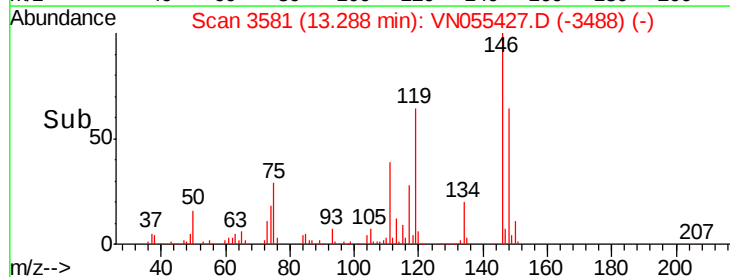
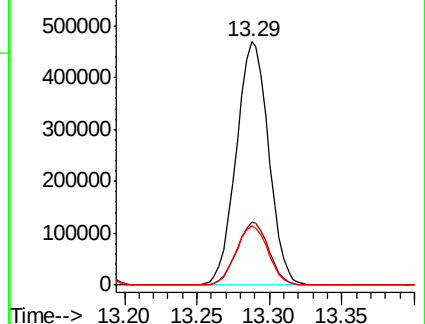
91 24.2 12.2 36.6

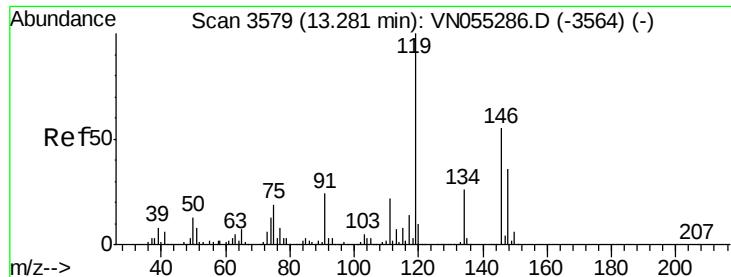


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

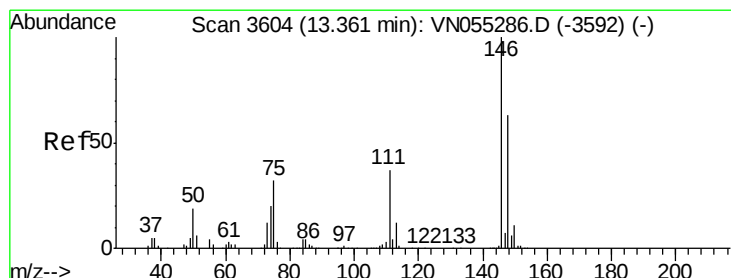
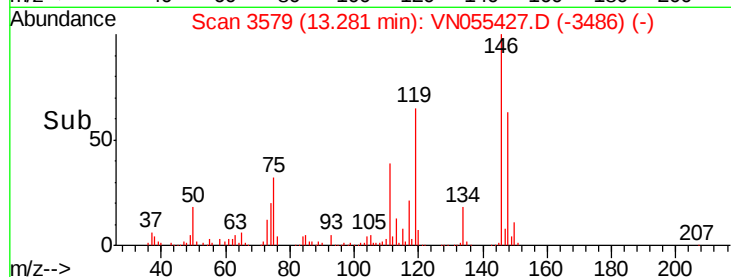
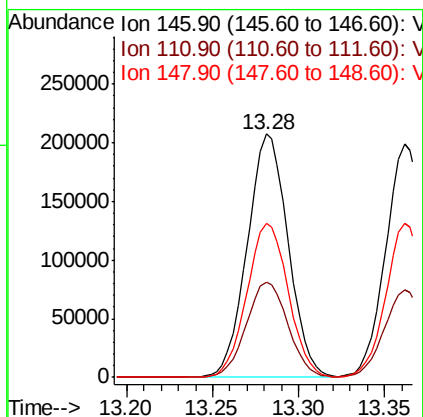
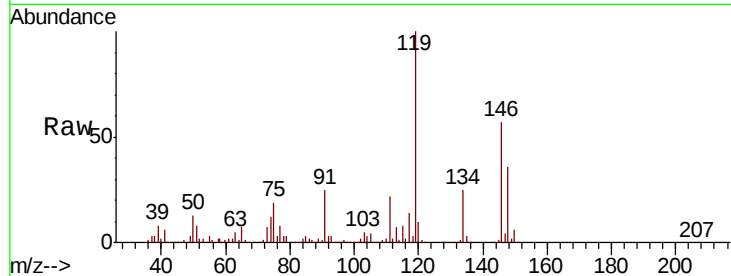




#87
 1,3-Dichlorobenzene
 Concen: 47.438 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

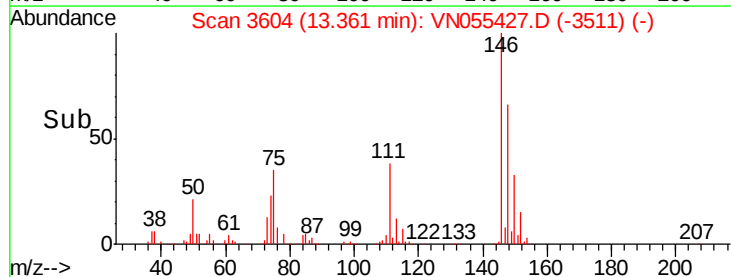
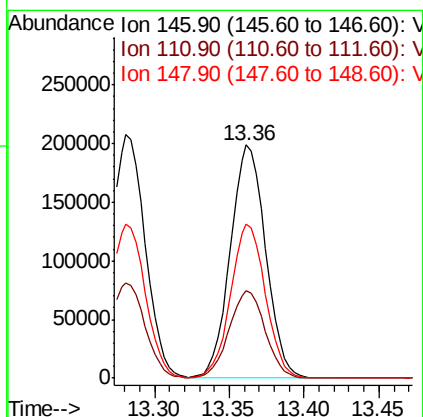
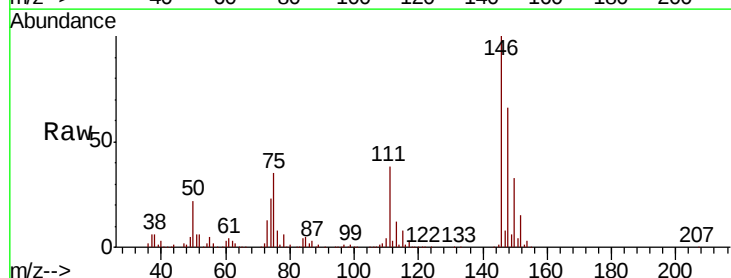
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

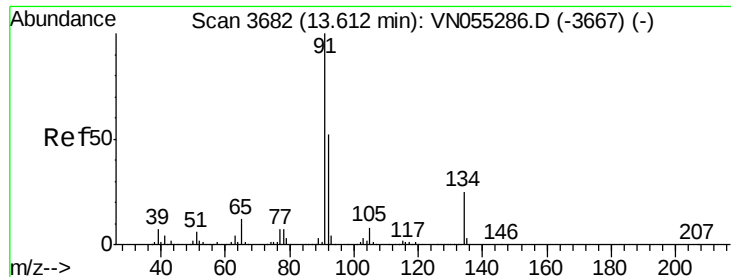
Tot Ion:146 Resp: 341256
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.3 60.8
 148 64.1 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 48.127 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

Tgt Ion:146 Resp: 326039
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.5 58.5
 148 65.2 32.5 97.4





#89

n-Butylbenzene

Concen: 53.557 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

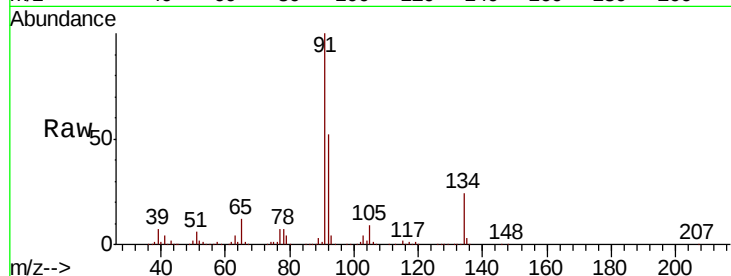
Tot Ion: 91 Resp: 572991

Ion Ratio Lower Upper

91 100

92 51.2 26.1 78.3

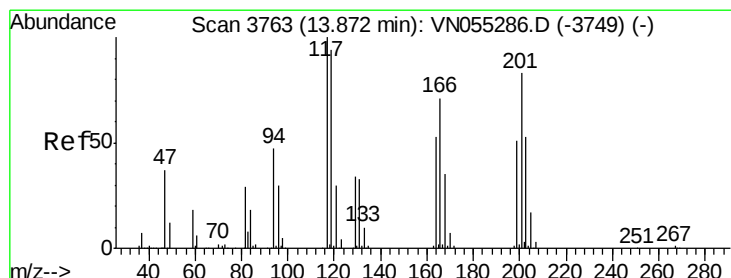
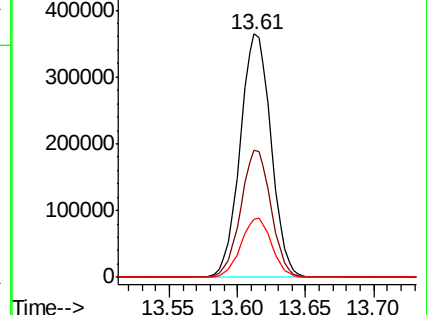
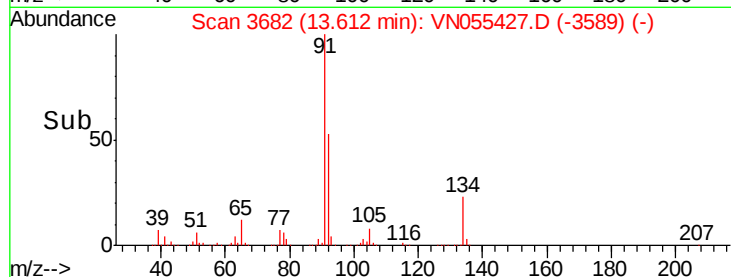
134 24.2 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN055427.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN055427.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN055427.D (-3669) (-)



#90

Hexachloroethane

Concen: 49.703 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055427.D

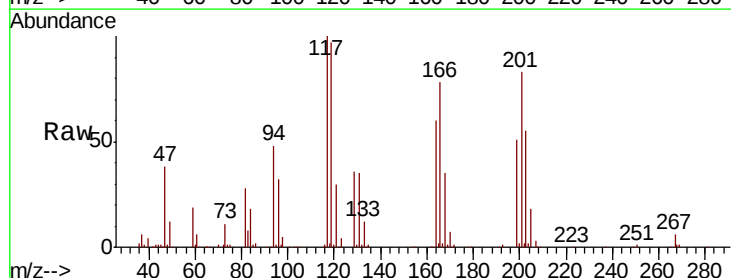
Acq: 6 May 2019 20:00

Tgt Ion: 117 Resp: 118511

Ion Ratio Lower Upper

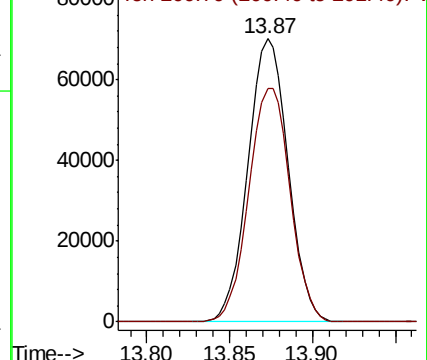
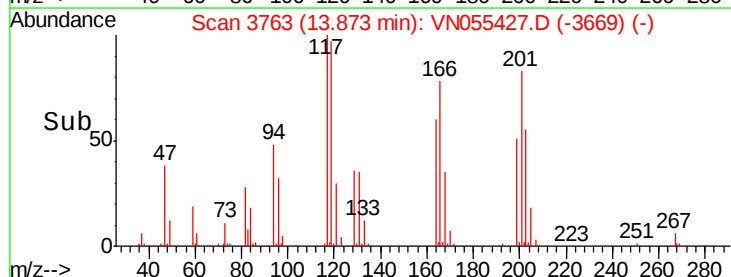
117 100

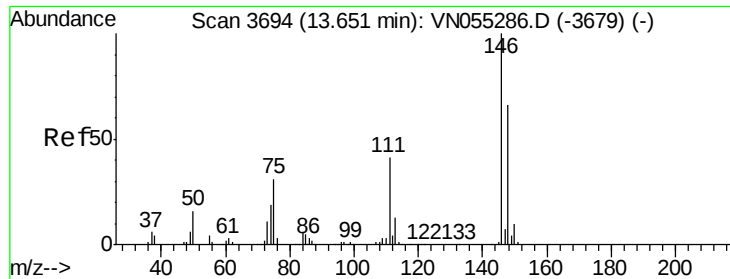
201 85.0 41.9 125.8



Abundance Ion 116.80 (116.50 to 117.50): VN055427.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN055427.D (-3669) (-)

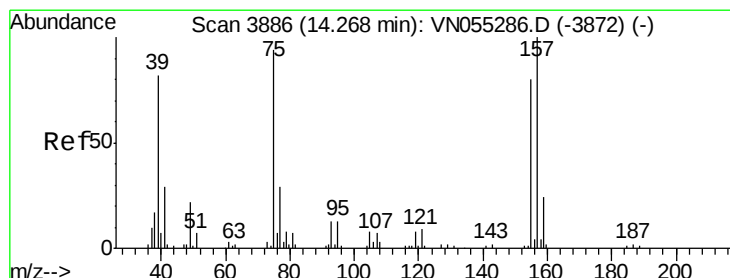
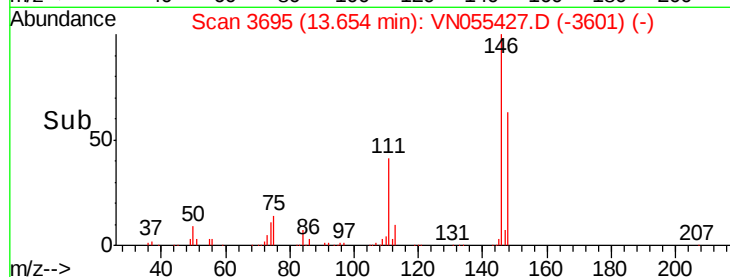
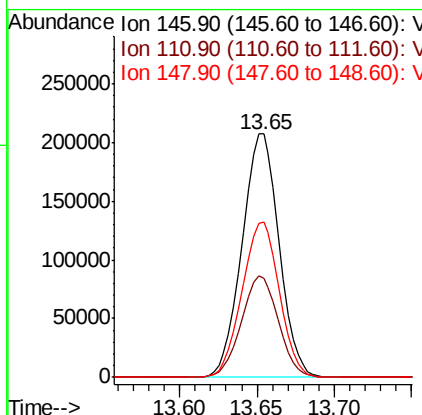
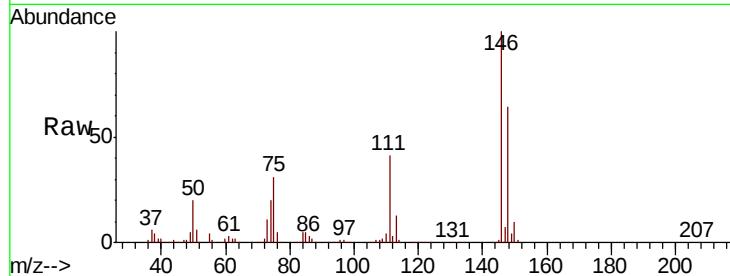




#91
 1,2-Dichlorobenzene
 Concen: 48.440 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

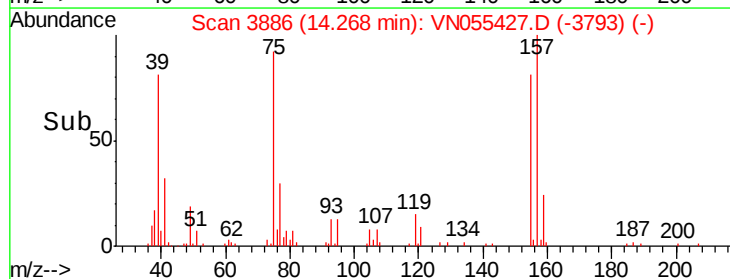
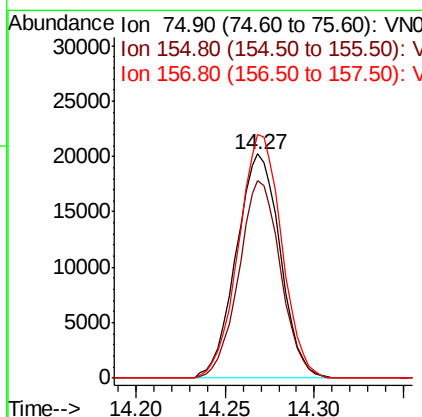
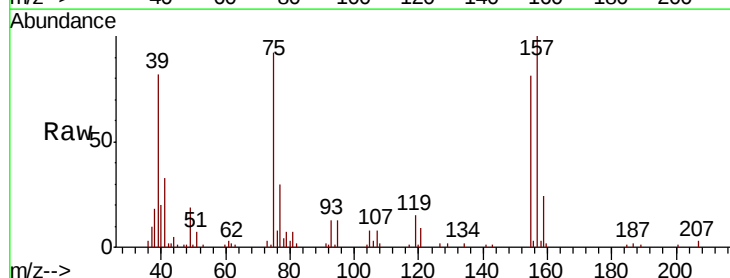
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

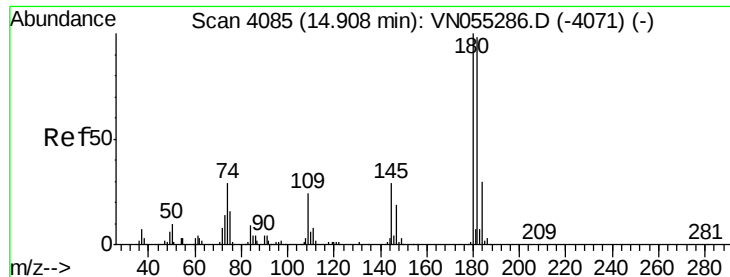
Tot Ion:146 Resp: 345375
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.3 61.0
 148 64.4 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.431 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

Tgt Ion: 75 Resp: 34744
 Ion Ratio Lower Upper
 75 100
 155 83.4 41.5 124.6
 157 106.6 54.0 162.2

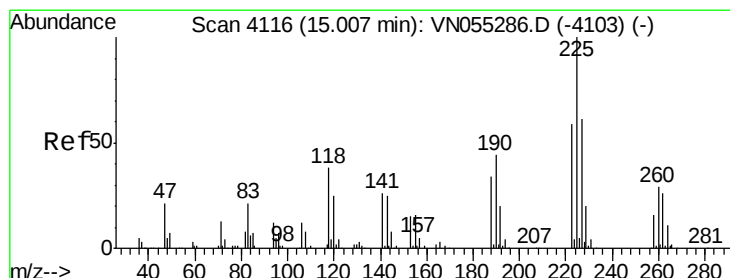
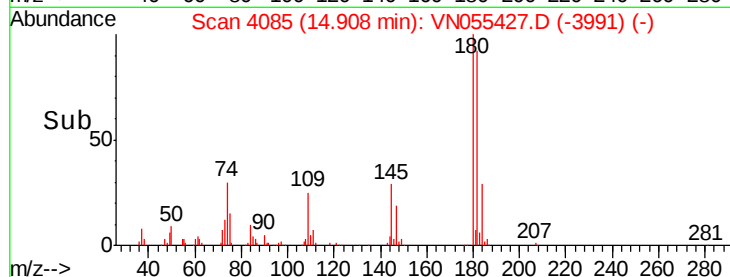
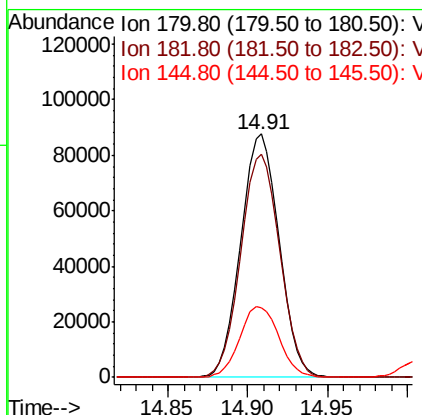
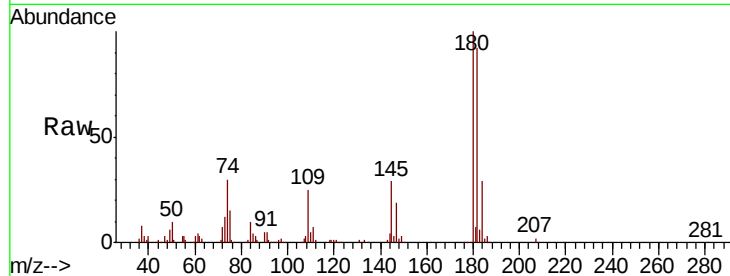




#93
 1,2,4-Trichlorobenzene
 Concen: 50.889 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

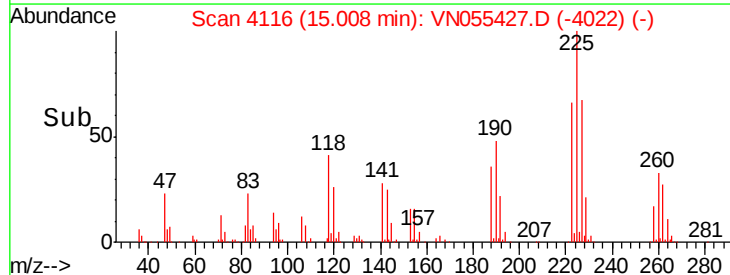
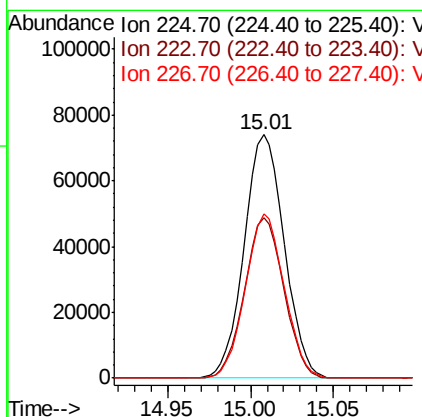
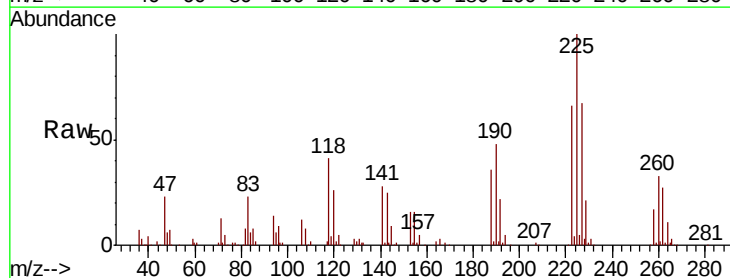
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

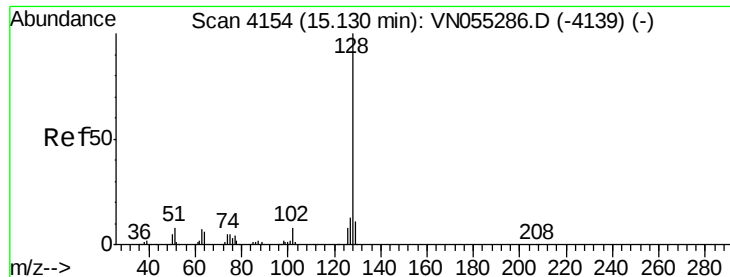
Tot Ion:180 Resp: 143220
 Ion Ratio Lower Upper
 180 100
 182 93.2 48.3 144.9
 145 29.8 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 58.444 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

Tgt Ion:225 Resp: 124375
 Ion Ratio Lower Upper
 225 100
 223 64.6 30.3 90.8
 227 65.2 30.9 92.7





#95

Naphthalene

Concen: 47.962 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

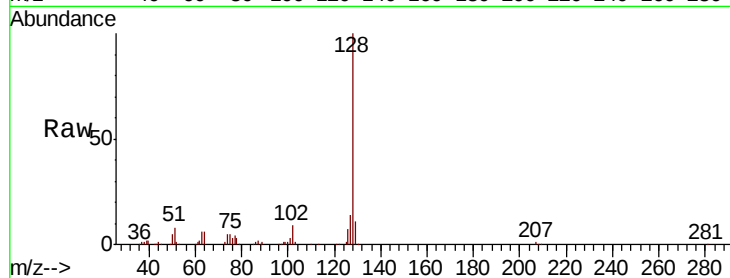
Tot Ion:128 Resp: 285729

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

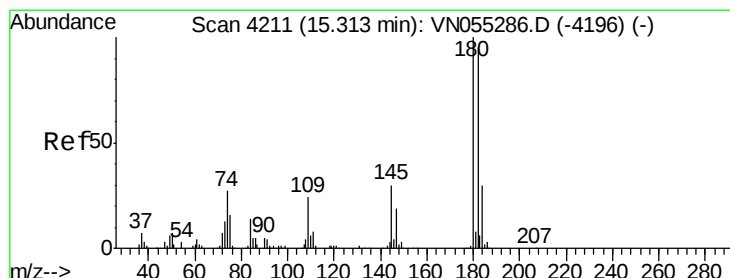
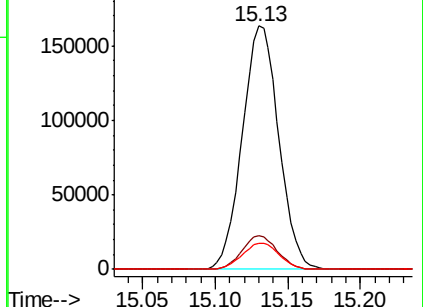
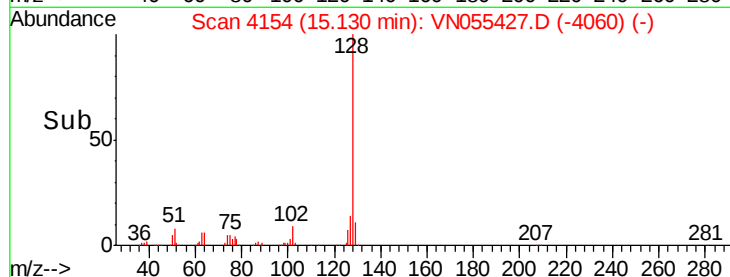
129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.093 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

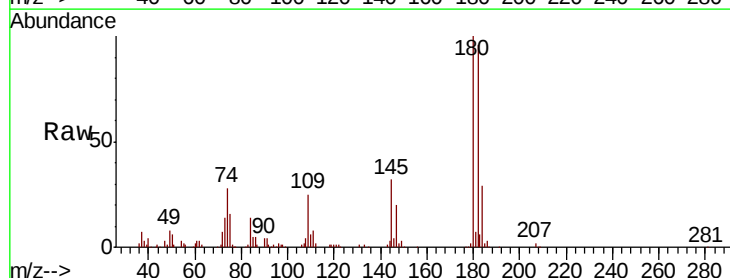
Tgt Ion:180 Resp: 147442

Ion Ratio Lower Upper

180 100

182 96.6 48.3 144.9

145 31.8 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

