

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055429.D
 Acq On : 7 May 2019 11:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: May 08 05:46:52 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	390511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	613604	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	525734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	226463	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	243749	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
35) Dibromofluoromethane	7.59	113	193196	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	10.09	98	695978	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
62) 4-Bromofluorobenzene	12.40	95	240744	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	214119	44.752	ug/l	99
3) Chloromethane	2.06	50	237716	40.124	ug/l	100
4) Vinyl Chloride	2.19	62	210477	44.073	ug/l	99
5) Bromomethane	2.56	94	143610	56.771	ug/l	99
6) Chloroethane	2.71	64	119308	46.116	ug/l	99
7) Trichlorofluoromethane	3.02	101	317552	46.762	ug/l	98
8) Diethyl Ether	3.41	74	120514	50.724	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	199282	49.280	ug/l	99
10) Methyl Iodide	3.96	142	262325	46.095	ug/l	99
11) Tert butyl alcohol	4.78	59	82332	281.485	ug/l	98
12) 1,1-Dichloroethene	3.74	96	180299	46.739	ug/l	98
13) Acrolein	3.61	56	57164	250.253	ug/l	98
14) Allyl chloride	4.33	41	402519	50.381	ug/l	99
15) Acrylonitrile	4.99	53	427992	260.326	ug/l	100
16) Acetone	3.82	43	435350	273.491	ug/l	96
17) Carbon Disulfide	4.06	76	405409	40.270	ug/l	98
18) Methyl Acetate	4.33	43	226421	58.568	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	579650	53.450	ug/l	100
20) Methylene Chloride	4.55	84	217150	44.692	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	186505	45.651	ug/l	99
22) Diisopropyl ether	5.95	45	838635	52.830	ug/l	98
23) Vinyl Acetate	5.90	43	2838634	272.841	ug/l	100
24) 1,1-Dichloroethane	5.85	63	420355	49.699	ug/l	100
25) 2-Butanone	6.83	43	563700	276.902	ug/l	97
26) 2,2-Dichloropropane	6.83	77	307872	52.713	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	230117	49.531	ug/l	97
28) Bromochloromethane	7.19	49	203387	47.706	ug/l	96
29) Tetrahydrofuran	7.21	42	346642	265.923	ug/l	99
30) Chloroform	7.37	83	397330	49.556	ug/l	99
31) Cyclohexane	7.65	56	363713	45.261	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	325828	50.072	ug/l	100
36) 1,1-Dichloropropene	7.79	75	280309	47.693	ug/l	99
37) Ethyl Acetate	6.93	43	232366	51.585	ug/l	98
38) Carbon Tetrachloride	7.77	117	274979	48.501	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	327761	52.451	ug/l	97
40) Benzene	8.04	78	850668	49.098	ug/l	100
41) Methacrylonitrile	7.17	41	134091	54.929	ug/l	96
42) 1,2-Dichloroethane	8.12	62	306846	50.003	ug/l	100
43) Isopropyl Acetate	8.16	43	413127	57.069	ug/l #	87
44) Trichloroethene	8.83	130	211123	47.799	ug/l	93
45) 1,2-Dichloropropane	9.12	63	253524	50.734	ug/l	98
46) Dibromomethane	9.21	93	136620	50.017	ug/l	97
47) Bromodichloromethane	9.40	83	306778	52.353	ug/l	99
48) Methyl methacrylate	9.20	41	188008	52.830	ug/l	97
49) 1,4-Dioxane	9.20	88	40796	1108.959	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1119381	274.649	ug/l	99
52) Toluene	10.16	92	501092	50.405	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	289317	56.875	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	354372	55.874	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	190039	51.479	ug/l	99
56) Ethyl methacrylate	10.43	69	260940	57.428	ug/l	99
57) 1,3-Dichloropropane	10.71	76	339684	52.452	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	328058	233.502	ug/l	99
59) 2-Hexanone	10.75	43	739755	290.089	ug/l	99
60) Dibromochloromethane	10.90	129	205931	54.581	ug/l	98
61) 1,2-Dibromoethane	11.00	107	176388	51.695	ug/l	98
64) Tetrachloroethene	10.63	164	208498	48.496	ug/l	99
65) Chlorobenzene	11.43	112	512345	49.845	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	203722	50.616	ug/l	99
67) Ethyl Benzene	11.51	91	967725	52.136	ug/l	99
68) m/p-Xylenes	11.62	106	702985	106.105	ug/l	99
69) o-Xylene	11.95	106	346154	52.712	ug/l	100
70) Styrene	11.96	104	577982	57.324	ug/l	100
71) Bromoform	12.13	173	128045	57.333	ug/l #	99
73) Isopropylbenzene	12.25	105	946942	52.723	ug/l	100
74) N-amyl acetate	12.07	43	312307	53.736	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	230310	51.418	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	284514	68.523	ug/l #	100
77) Bromobenzene	12.52	156	219308	50.801	ug/l	97
78) n-propylbenzene	12.59	91	1088438	46.789	ug/l	100
79) 2-Chlorotoluene	12.67	91	646314	52.810	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	819212	46.142	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	58504	48.957	ug/l	99
82) 4-Chlorotoluene	12.77	91	630582	46.621	ug/l	99
83) tert-Butylbenzene	12.99	119	694314	55.575	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	787891	49.621	ug/l	100
85) sec-Butylbenzene	13.17	105	934222	48.413	ug/l	100
86) p-Isopropyltoluene	13.29	119	819936	51.697	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	381696	50.369	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	368618	51.653	ug/l	98
89) n-Butylbenzene	13.61	91	682162	60.528	ug/l	100
90) Hexachloroethane	13.87	117	135324	54.013	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	373608	49.743	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35721	59.956	ug/l	96

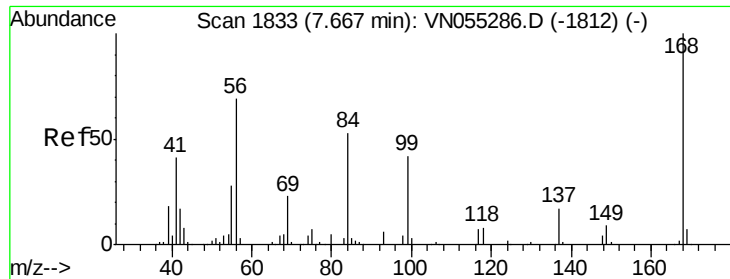
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Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	172028	57.562	ug/l	98
94) Hexachlorobutadiene	15.01	225	152178	68.361	ug/l	97
95) Naphthalene	15.13	128	316868	50.316	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	168757	57.461	ug/l	100

(#) = 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: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

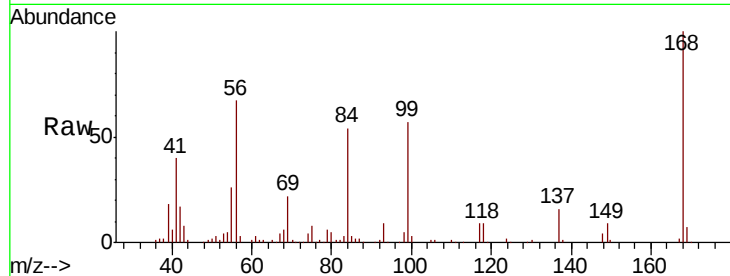
VSTDCCC050

Tot Ion:168 Resp: 390511

Ion Ratio Lower Upper

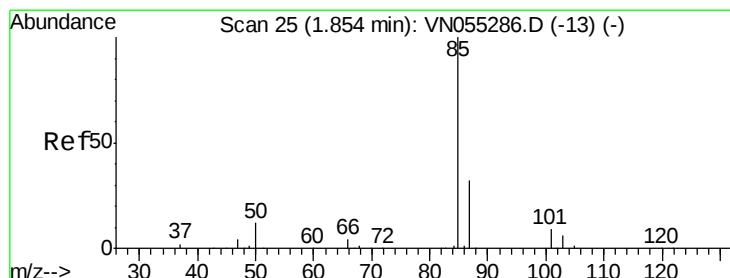
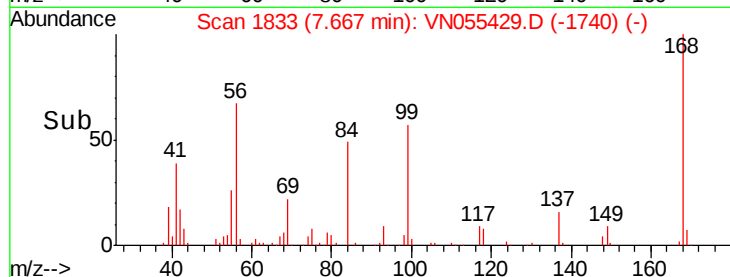
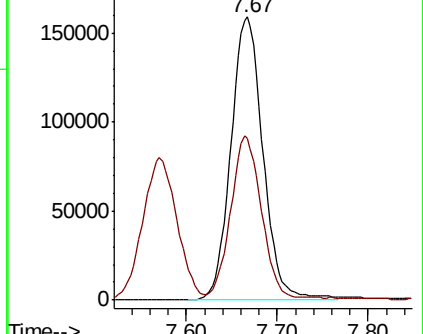
168 100

99 56.3 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.752 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055429.D

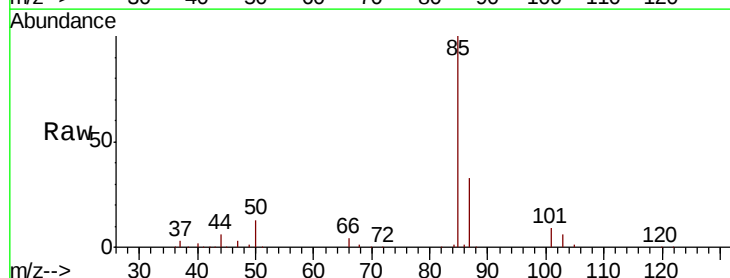
Acq: 7 May 2019 11:37

Tgt Ion: 85 Resp: 214119

Ion Ratio Lower Upper

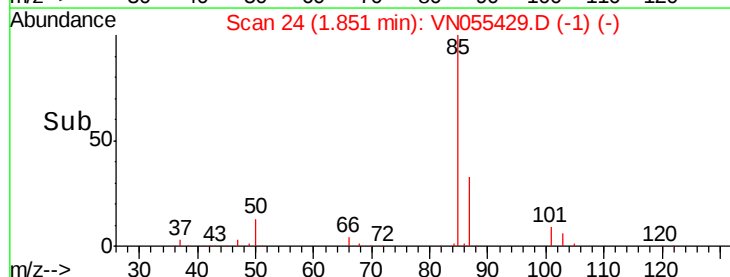
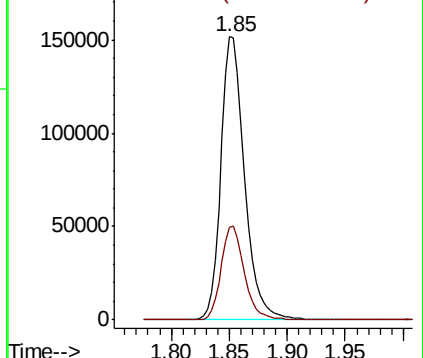
85 100

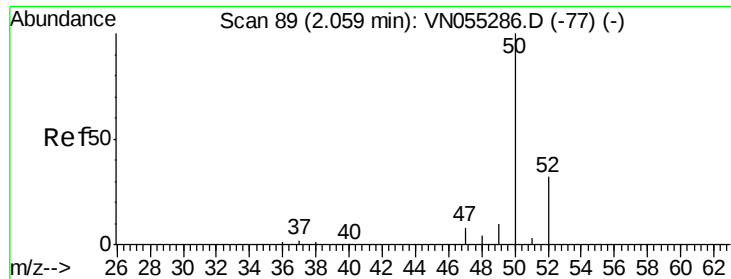
87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

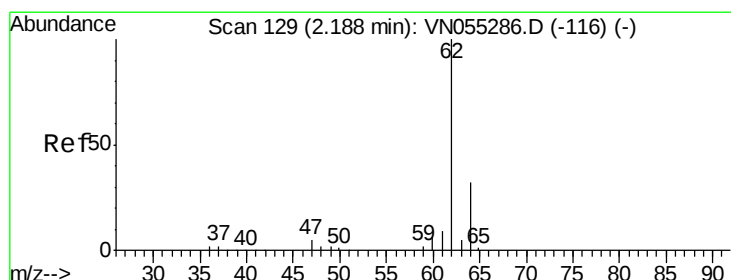
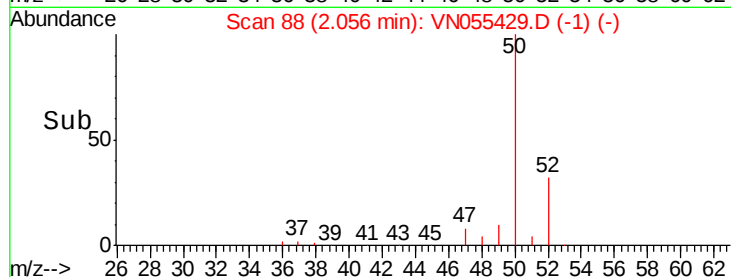
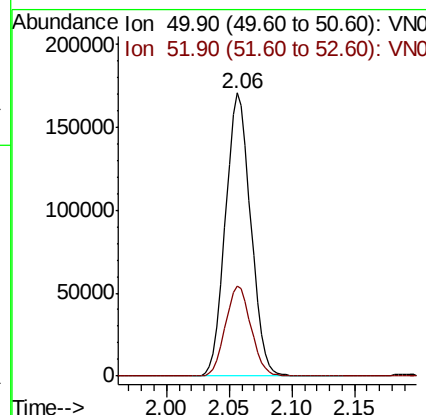
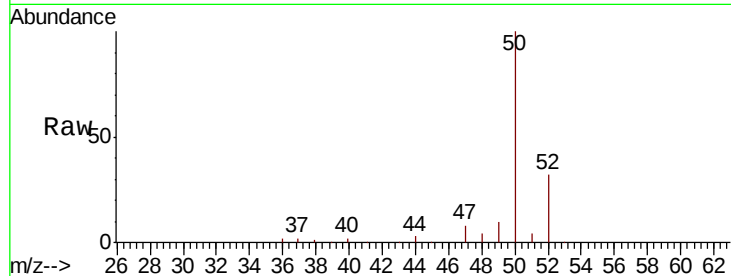




#3
Chloromethane
Concen: 40.124 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

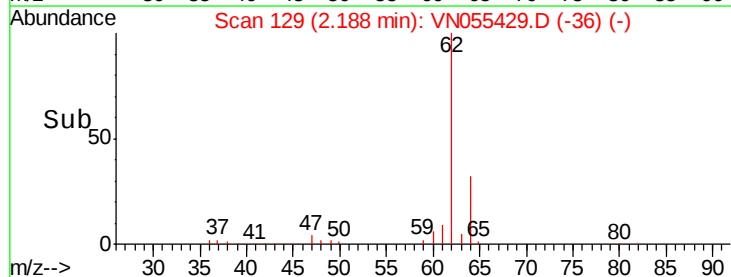
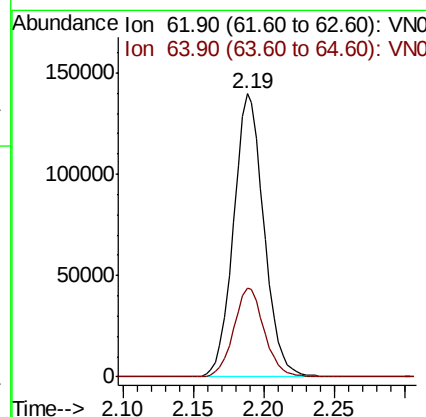
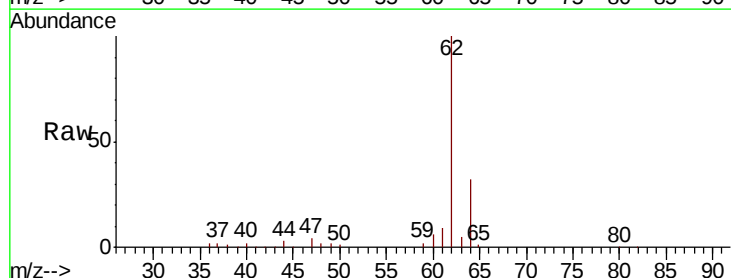
Instrument :
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ClientSampleId :
VSTDCCC050

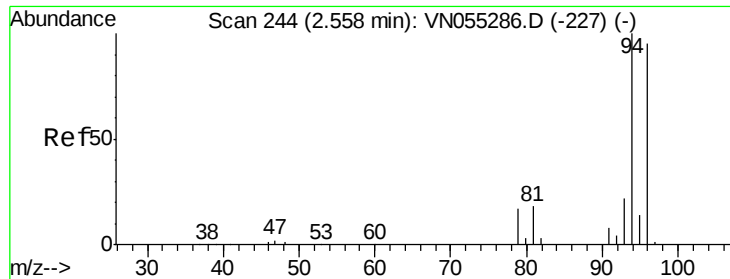
Tot Ion: 50 Resp: 237716
Ion Ratio Lower Upper
50 100
52 31.9 25.7 38.5



#4
Vinyl Chloride
Concen: 44.073 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion: 62 Resp: 210477
Ion Ratio Lower Upper
62 100
64 31.6 25.5 38.3

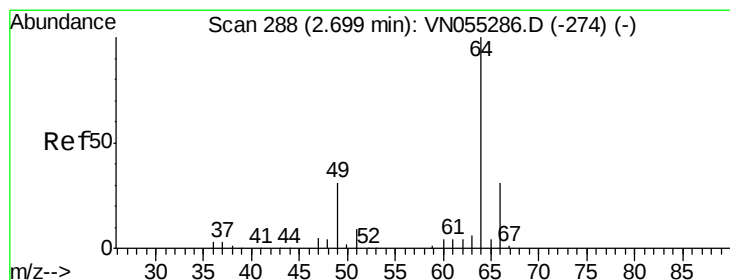
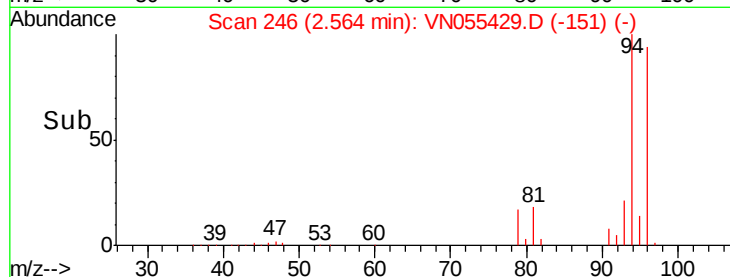
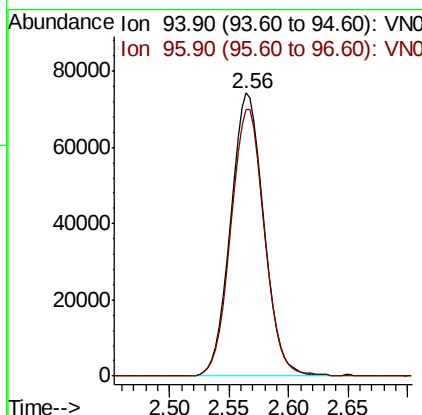
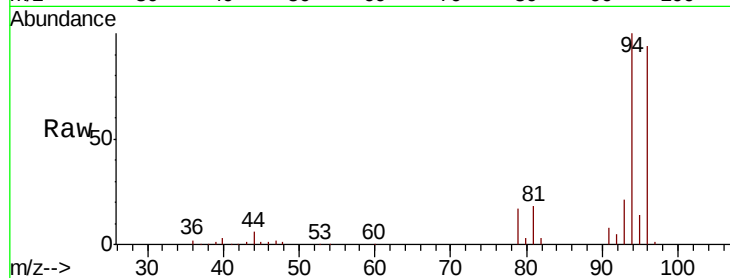




#5
Bromomethane
Concen: 56.771 ug/l
RT: 2.56 min Scan# 246
Delta R.T. 0.01 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

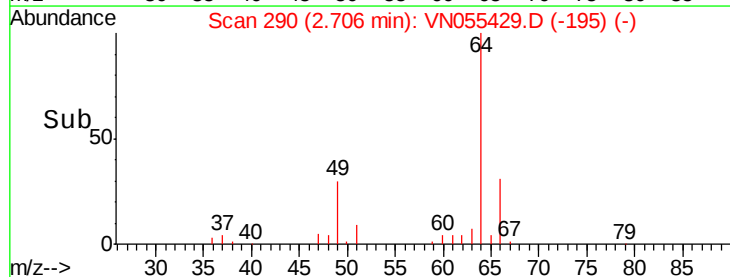
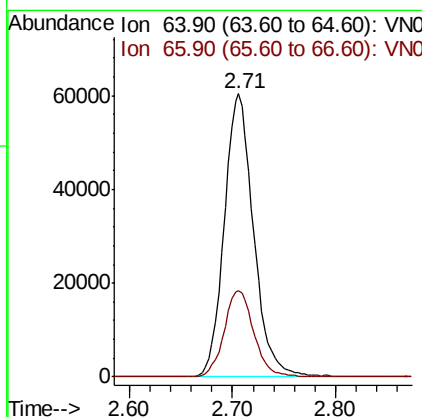
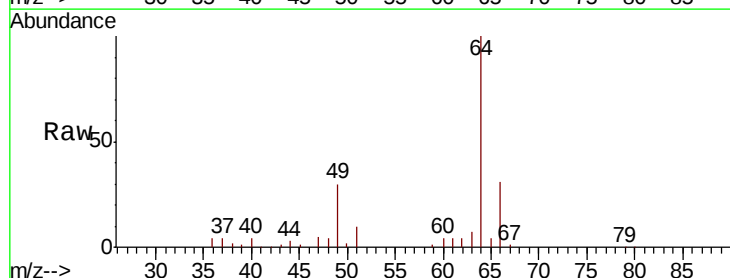
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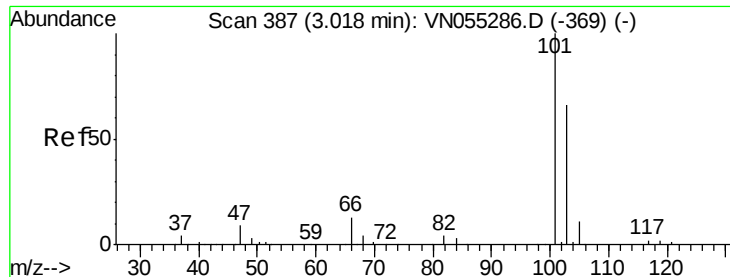
Tot Ion: 94 Resp: 143610
Ion Ratio Lower Upper
94 100
96 94.2 76.0 114.0



#6
Chloroethane
Concen: 46.116 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.01 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion: 64 Resp: 119308
Ion Ratio Lower Upper
64 100
66 30.5 25.0 37.4



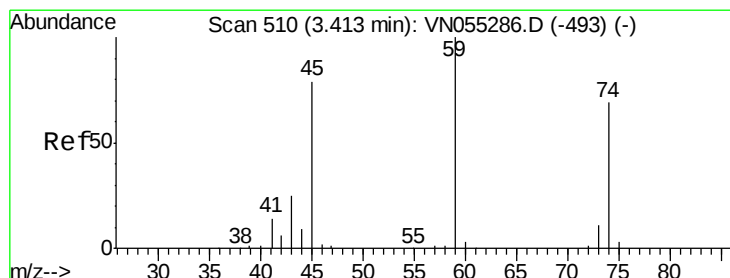
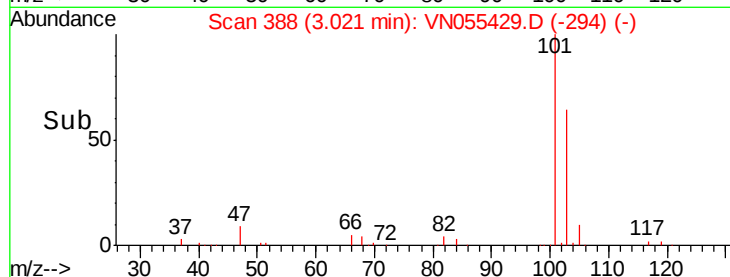
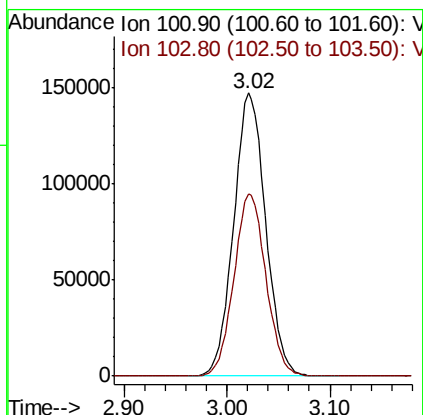
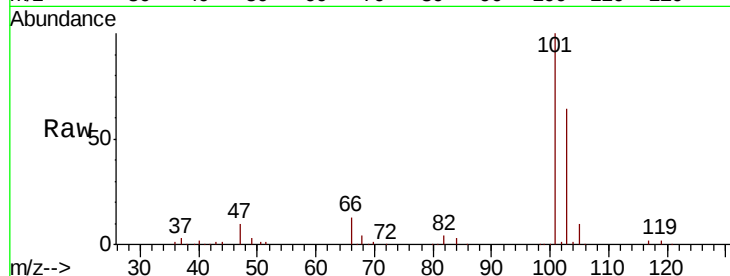


#7

Trichlorofluoromethane
 Concen: 46.762 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Instrument :
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 VSTDCCC050

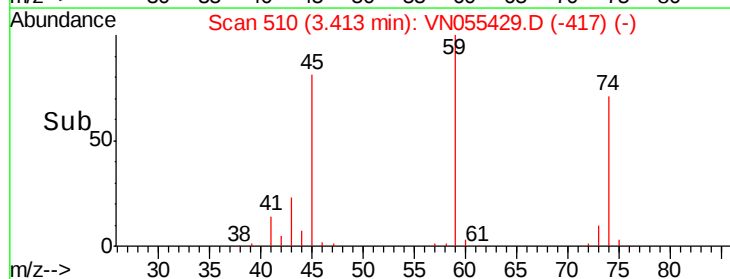
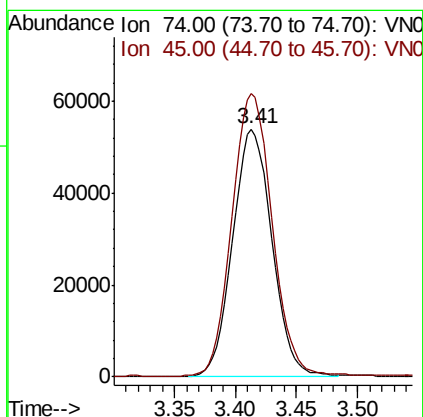
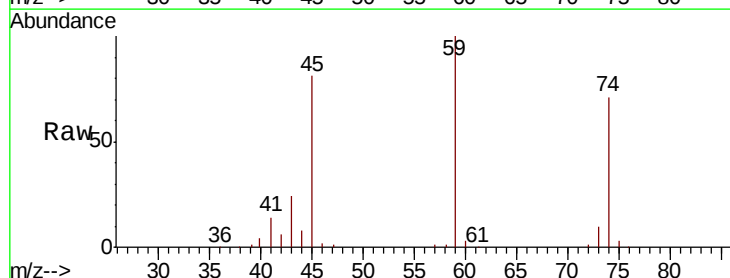
Tot Ion:101 Resp: 317552
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.6 79.0

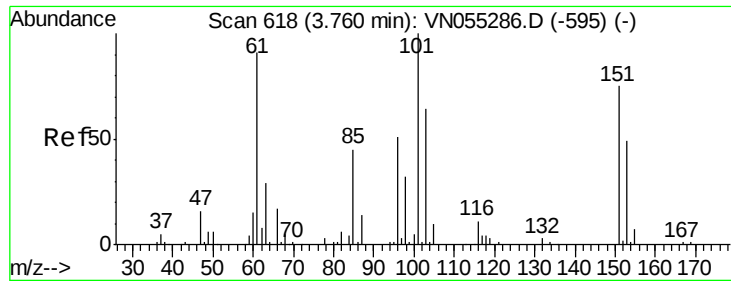


#8

Diethyl Ether
 Concen: 50.724 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Tgt Ion: 74 Resp: 120514
 Ion Ratio Lower Upper
 74 100
 45 117.4 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.280 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

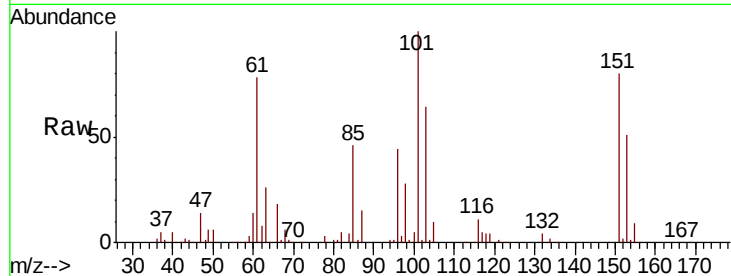
Tot Ion:101 Resp: 199282

Ion Ratio Lower Upper

101 100

85 45.0 35.7 53.5

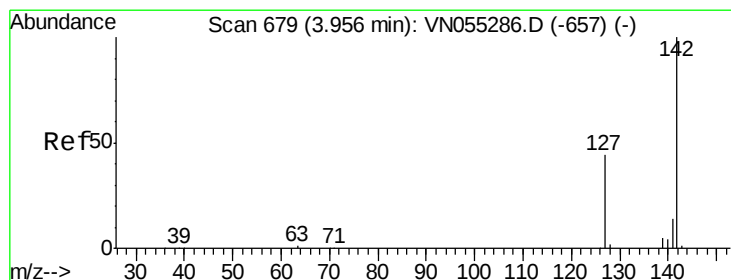
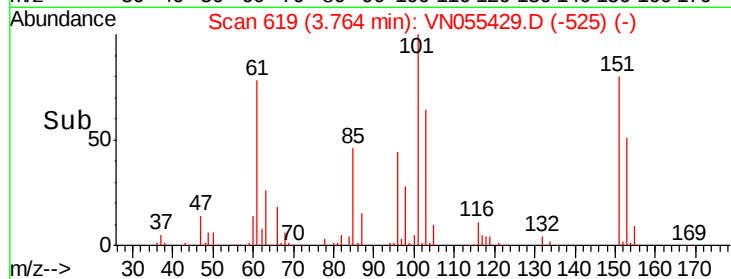
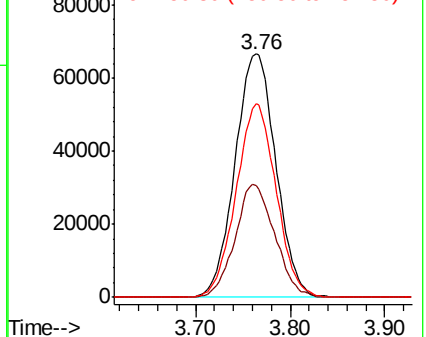
151 78.0 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.095 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

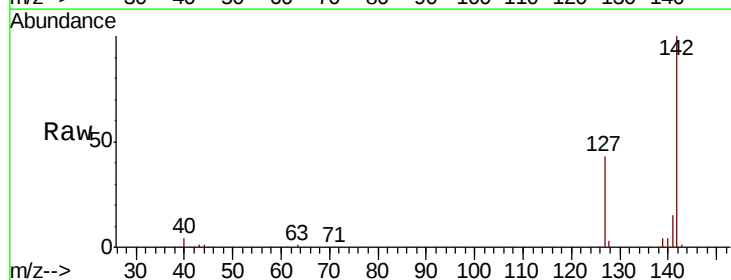
Tgt Ion:142 Resp: 262325

Ion Ratio Lower Upper

142 100

127 43.5 34.4 51.6

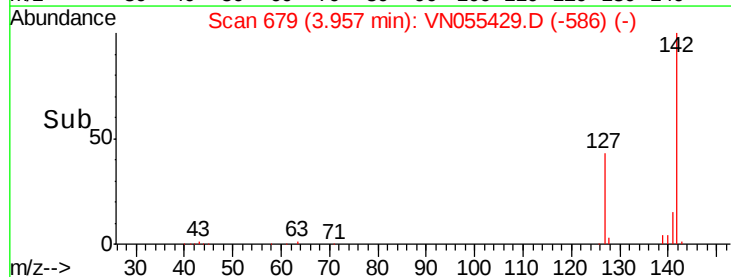
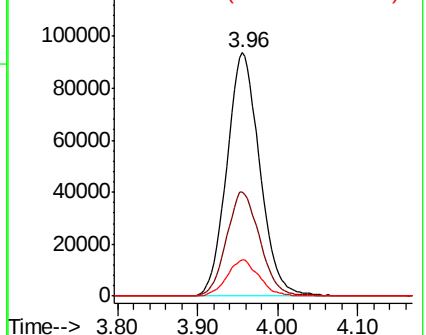
141 14.6 11.5 17.3

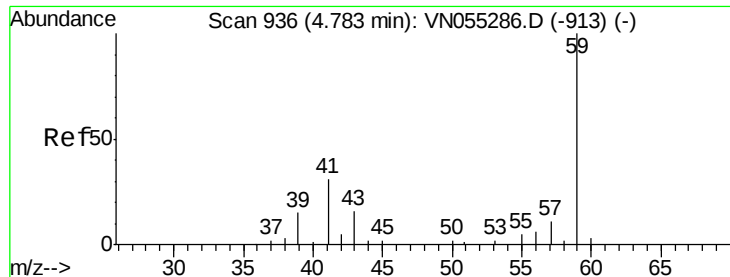


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

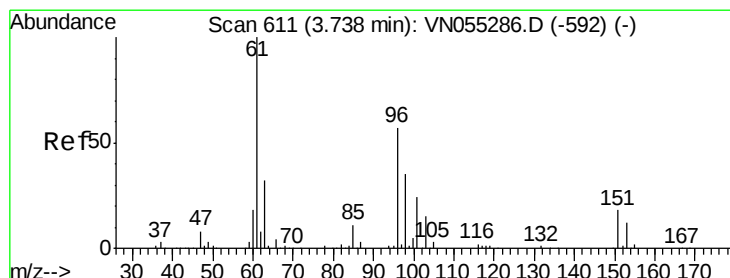
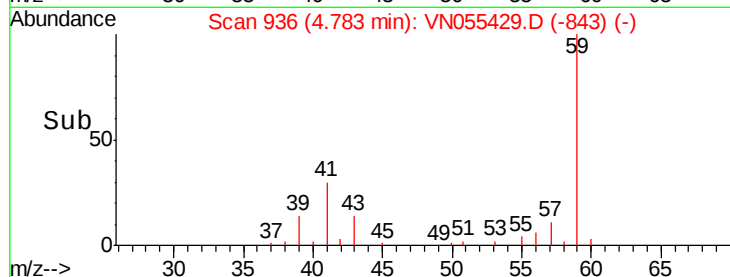
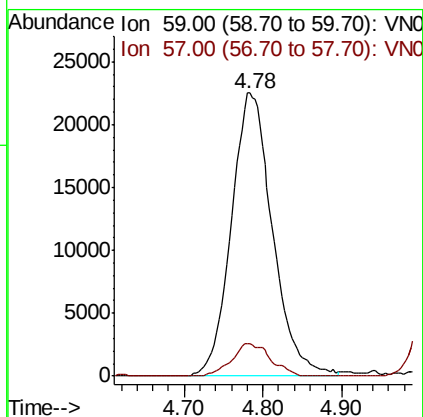
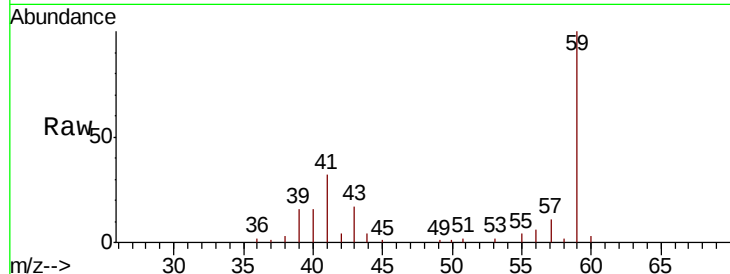




#11
Tert butyl alcohol
Concen: 281.485 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

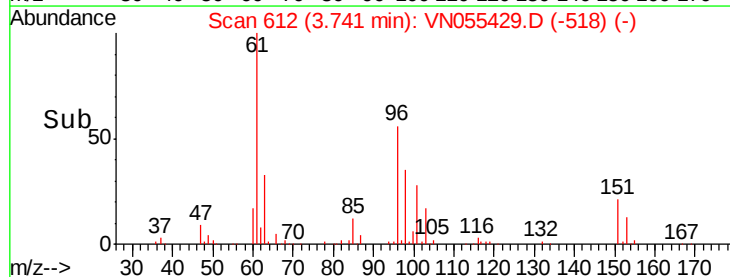
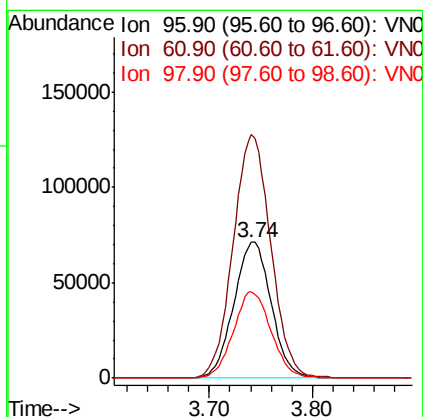
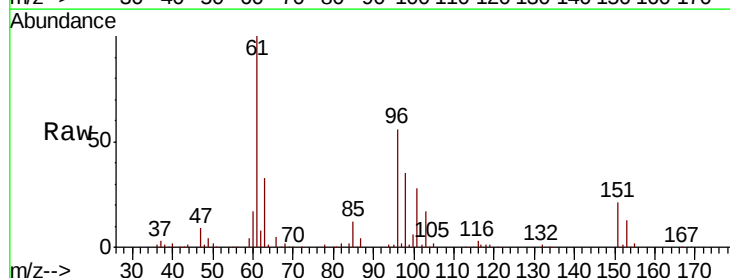
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

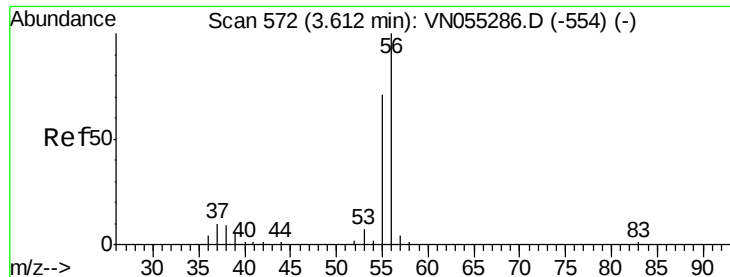
Tot Ion: 59 Resp: 82332
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.2



#12
1,1-Dichloroethene
Concen: 46.739 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion: 96 Resp: 180299
Ion Ratio Lower Upper
96 100
61 178.9 140.9 211.3
98 63.0 50.0 75.0





#13

Acrolein

Concen: 250.253 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

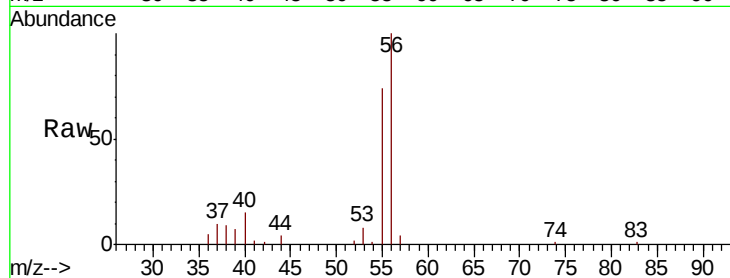
VSTDCCC050

Tot Ion: 56 Resp: 57164

Ion Ratio Lower Upper

56 100

55 73.6 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

25000

20000

15000

10000

5000

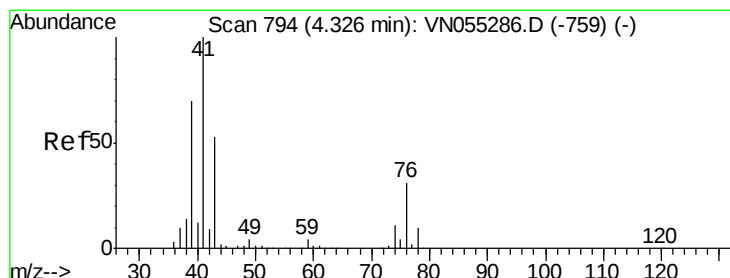
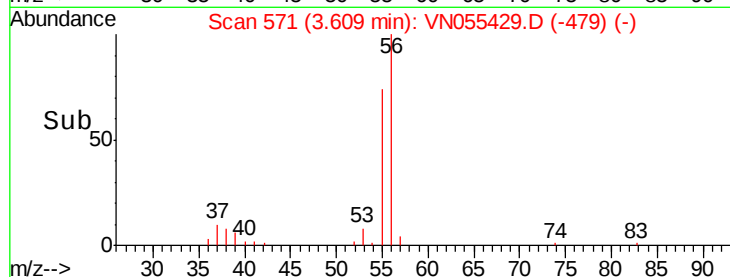
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 50.381 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

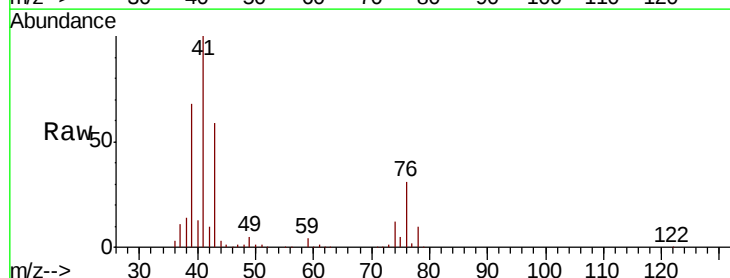
Tgt Ion: 41 Resp: 402519

Ion Ratio Lower Upper

41 100

39 65.0 53.0 79.6

76 28.4 22.7 34.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.33

150000

100000

50000

0

Time-->

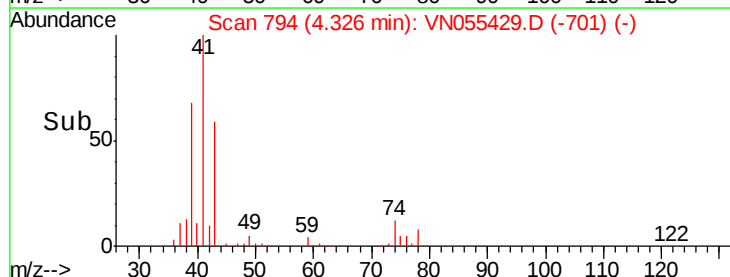
4.10

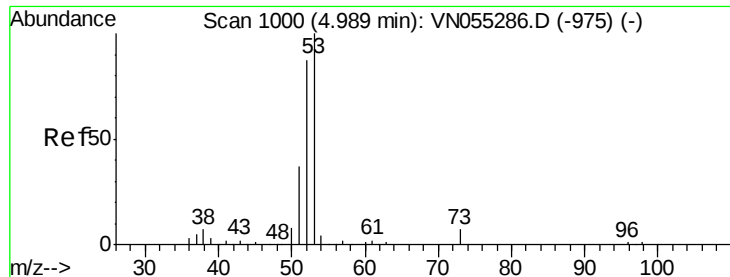
4.20

4.30

4.40

4.50





#15

Acrylonitrile

Concen: 260.326 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

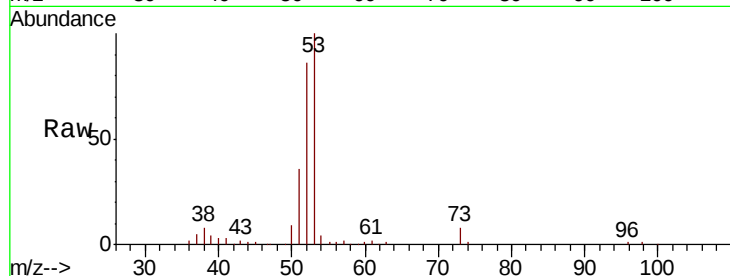
Tot Ion: 53 Resp: 427992

Ion Ratio Lower Upper

53 100

52 82.9 66.5 99.7

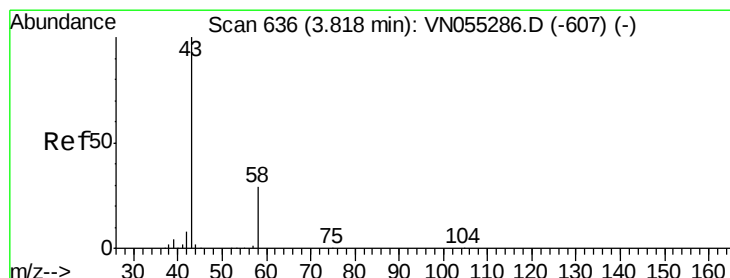
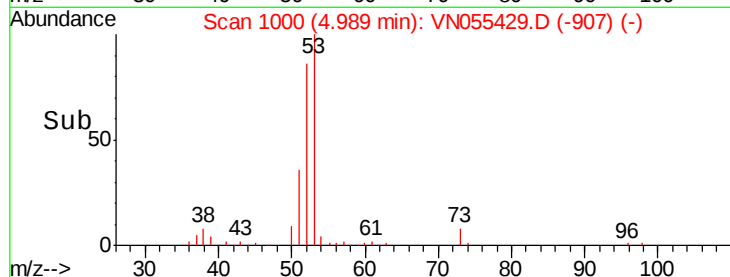
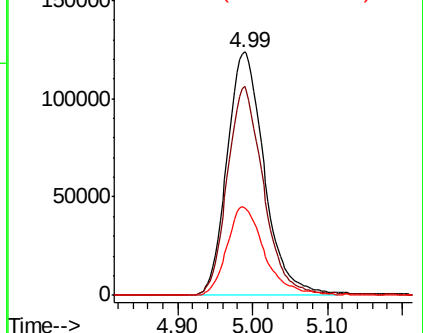
51 36.7 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 273.491 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055429.D

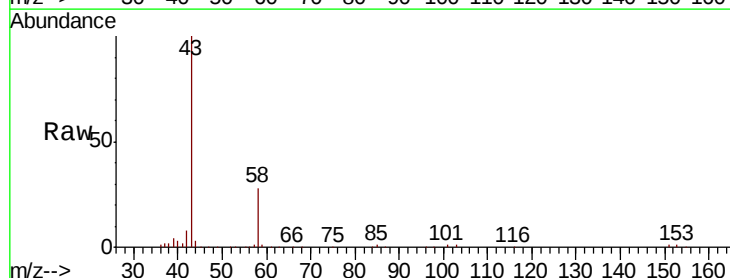
Acq: 7 May 2019 11:37

Tgt Ion: 43 Resp: 435350

Ion Ratio Lower Upper

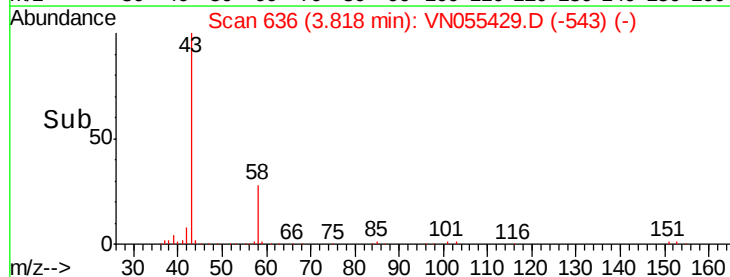
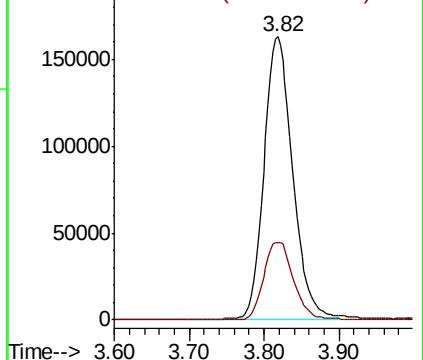
43 100

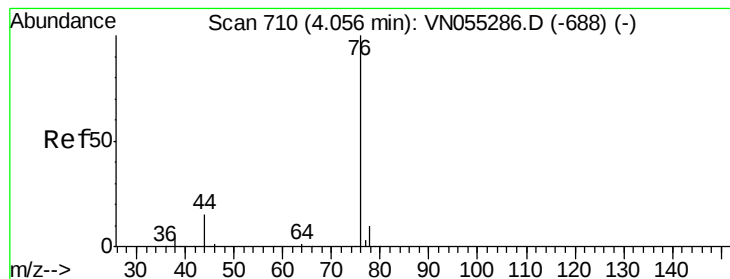
58 27.5 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 40.270 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

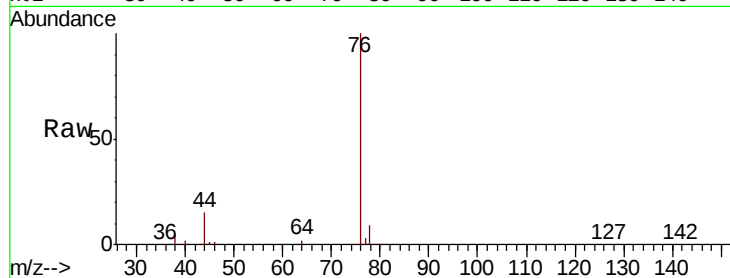
VSTDCCC050

Tot Ion: 76 Resp: 405409

Ion Ratio Lower Upper

76 100

78 8.8 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN055429.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN055429.D (-617) (-)

4.06

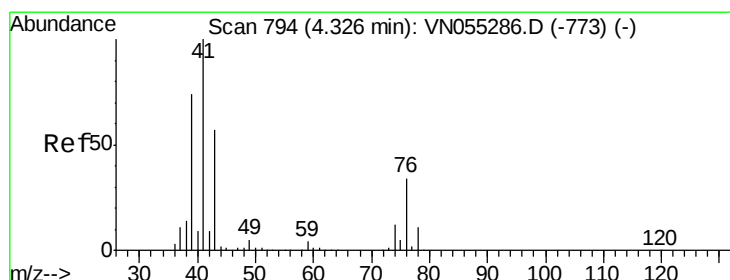
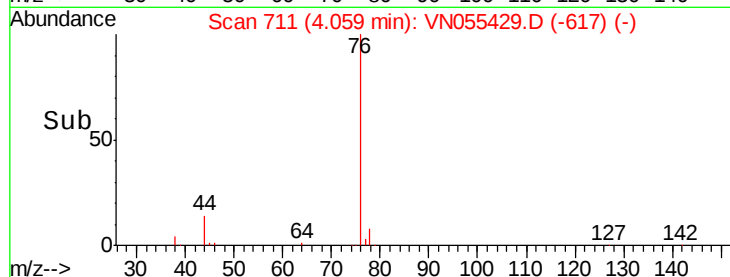
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 58.568 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055429.D

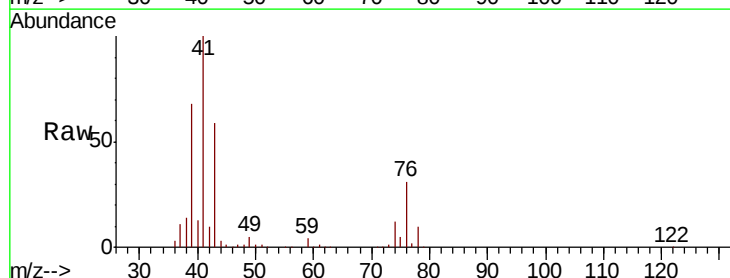
Acq: 7 May 2019 11:37

Tgt Ion: 43 Resp: 226421

Ion Ratio Lower Upper

43 100

74 19.0 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN055429.D (-701) (-)

Ion 74.00 (73.70 to 74.70): VN055429.D (-701) (-)

4.33

80000

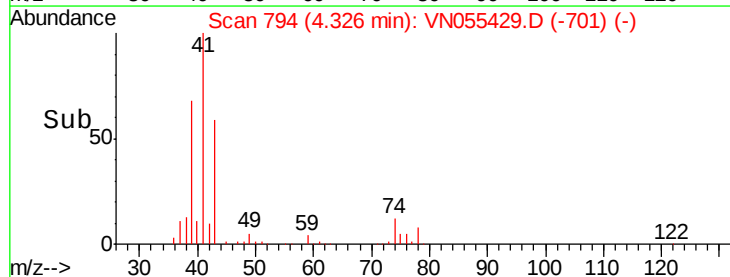
60000

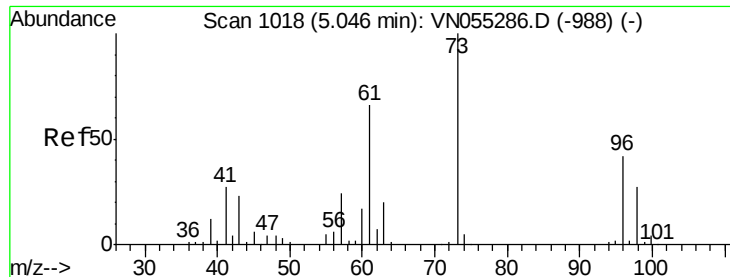
40000

20000

0

Time-->



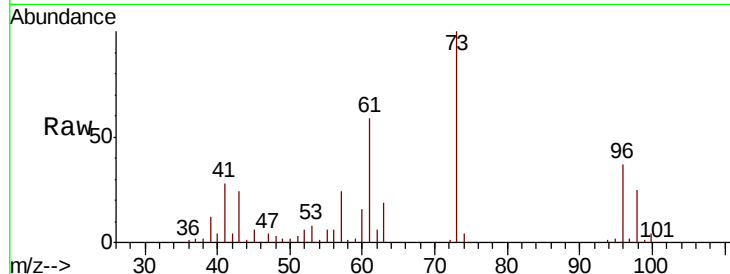


#19

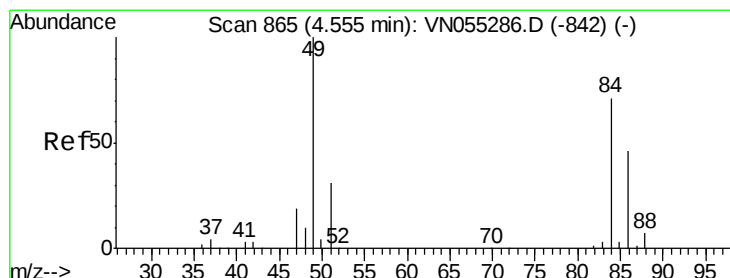
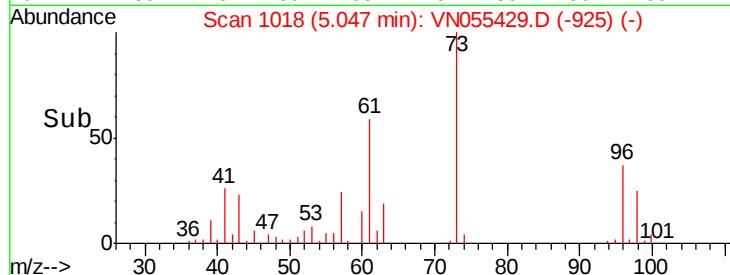
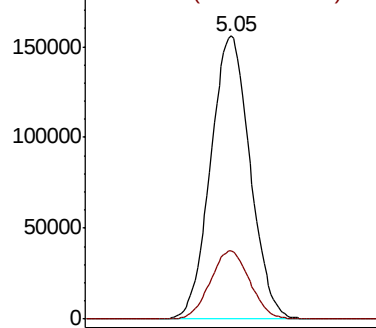
Methyl tert-butyl Ether
 Concen: 53.450 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 579650
 Ion Ratio Lower Upper
 73 100
 57 24.0 19.1 28.7



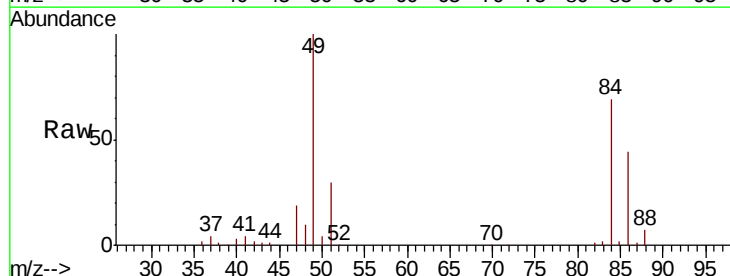
Abundance Ion 73.00 (72.70 to 73.70): VN055429.D (-925) (-)
 Ion 57.00 (56.70 to 57.70): VN055429.D (-925) (-)



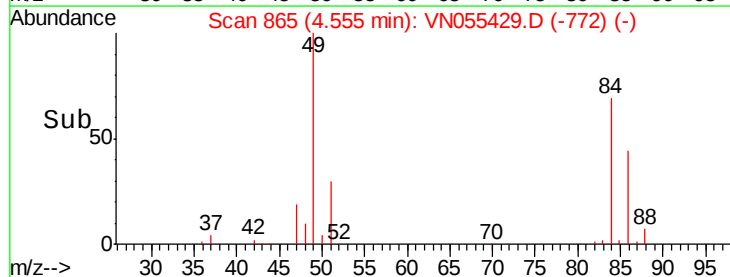
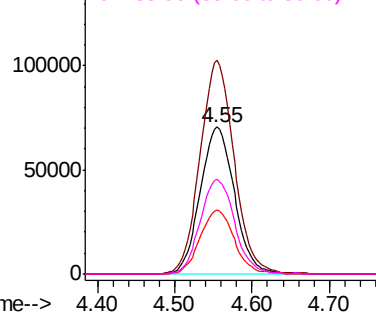
#20

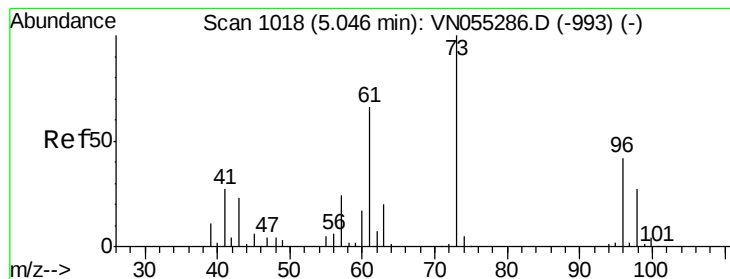
Methylene Chloride
 Concen: 44.692 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Tgt Ion: 84 Resp: 217150
 Ion Ratio Lower Upper
 84 100
 49 145.3 112.4 168.6
 51 43.2 34.6 51.8
 86 64.0 51.9 77.9



Abundance Ion 83.90 (83.60 to 84.60): VN055429.D (-772) (-)
 Ion 48.90 (48.60 to 49.60): VN055429.D (-772) (-)
 Ion 50.90 (50.60 to 51.60): VN055429.D (-772) (-)
 Ion 85.90 (85.60 to 86.60): VN055429.D (-772) (-)





#21

trans-1,2-Dichloroethene

Concen: 45.651 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

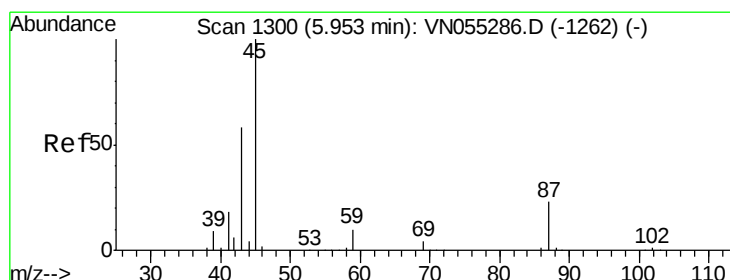
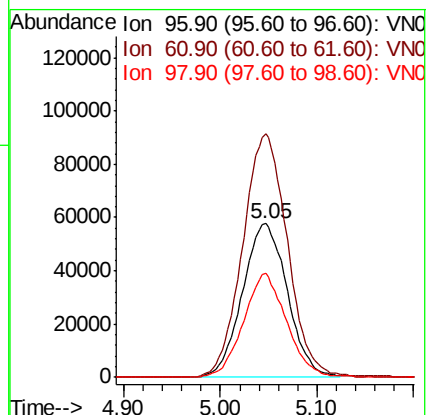
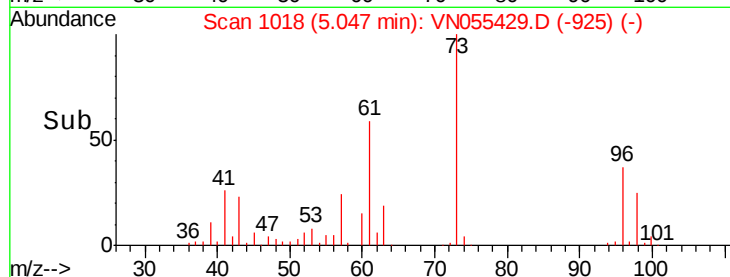
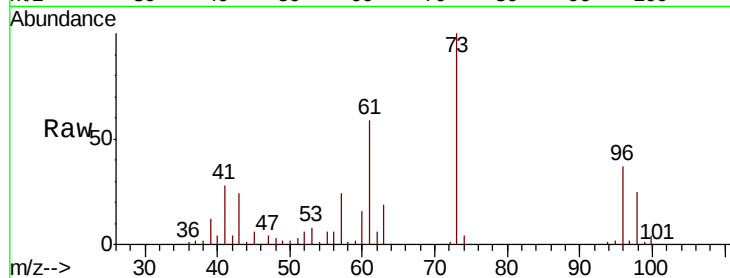
Tot Ion: 96 Resp: 186505

Ion Ratio Lower Upper

96 100

61 158.3 126.2 189.4

98 67.3 52.2 78.2



#22

Diisopropyl ether

Concen: 52.830 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Tgt Ion: 45 Resp: 838635

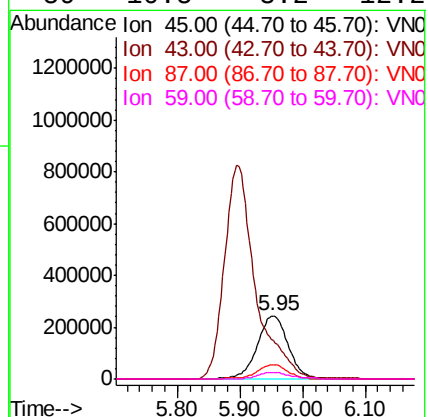
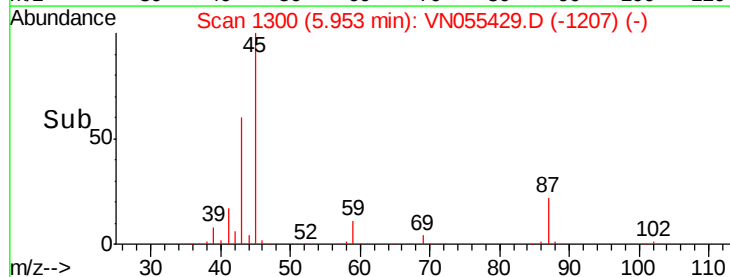
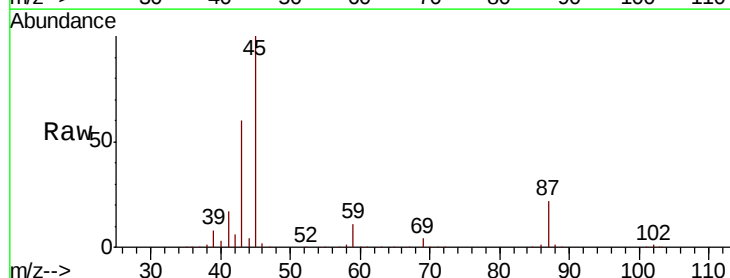
Ion Ratio Lower Upper

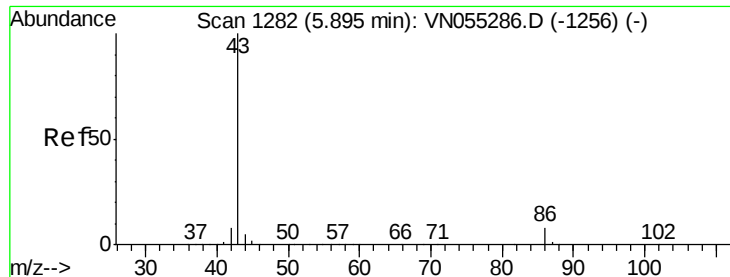
45 100

43 60.0 46.6 70.0

87 22.1 18.1 27.1

59 10.5 8.2 12.2





#23

Vinyl Acetate

Concen: 272.841 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

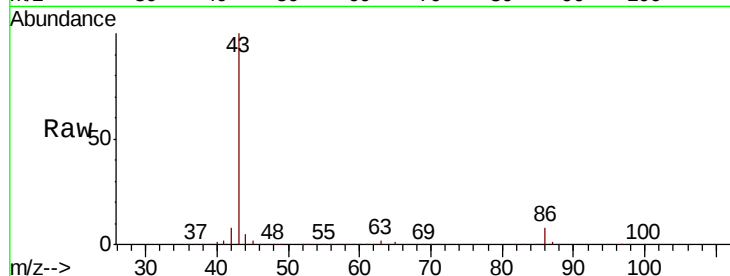
VSTDCCC050

Tot Ion: 43 Resp: 2838634

Ion Ratio Lower Upper

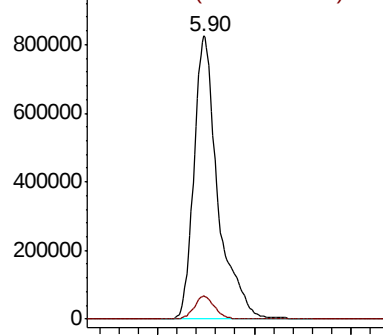
43 100

86 8.1 6.6 10.0

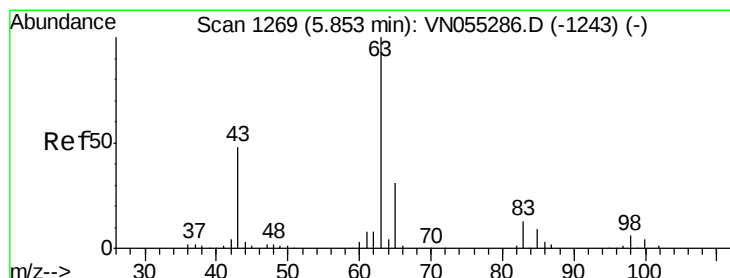
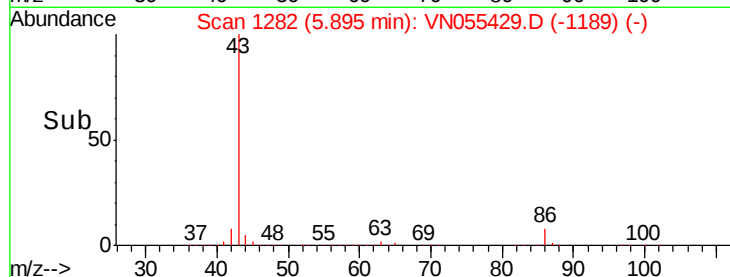


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 49.699 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

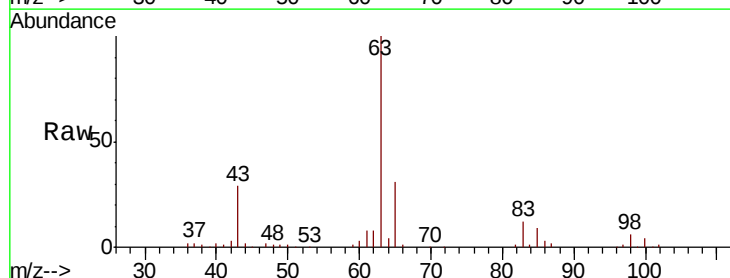
Tgt Ion: 63 Resp: 420355

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.0

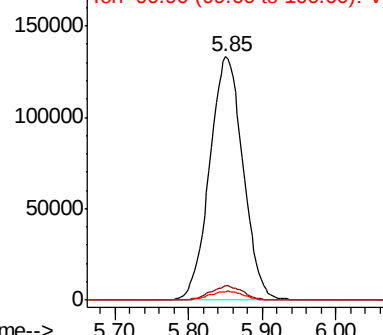
100 3.5 1.8 5.4



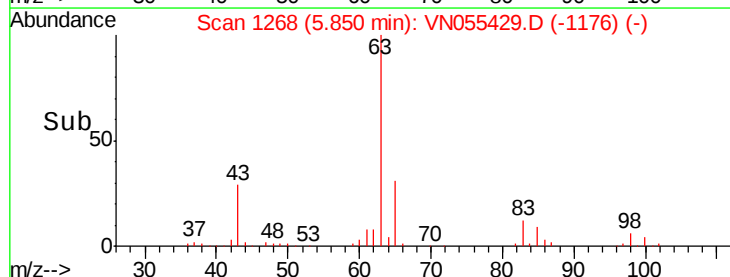
Abundance Ion 62.90 (62.60 to 63.60): VN0

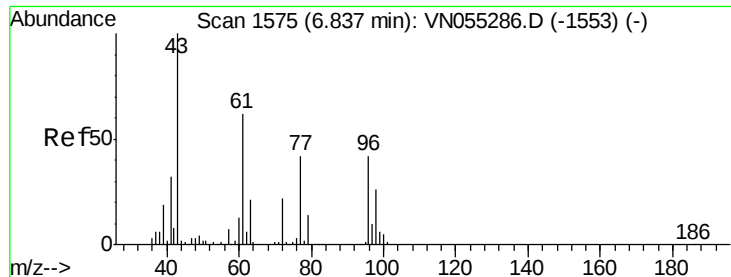
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->

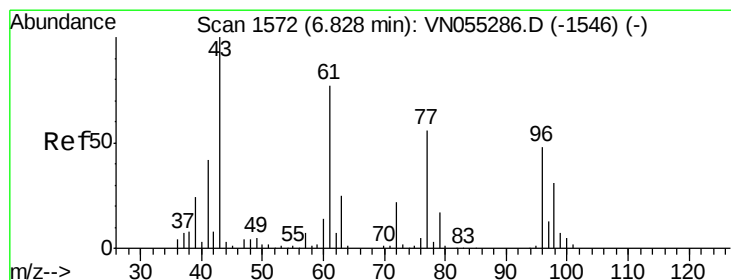
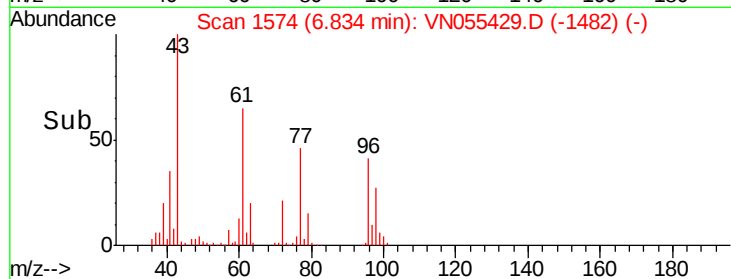
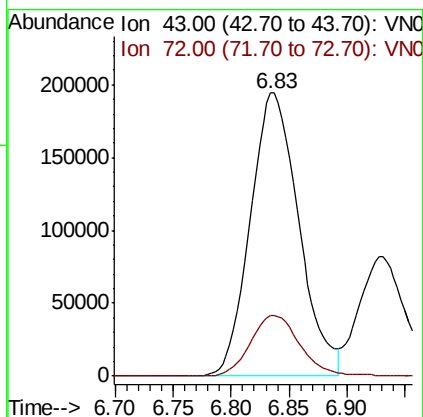
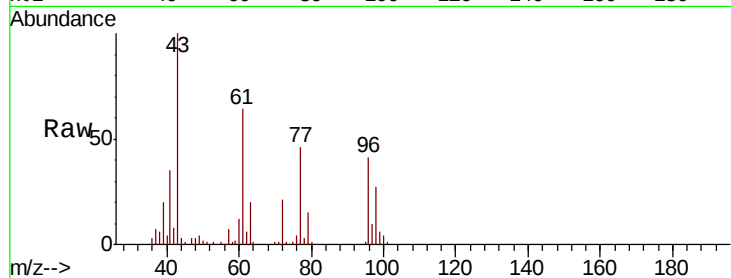




#25
2-Butanone
Concen: 276.902 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

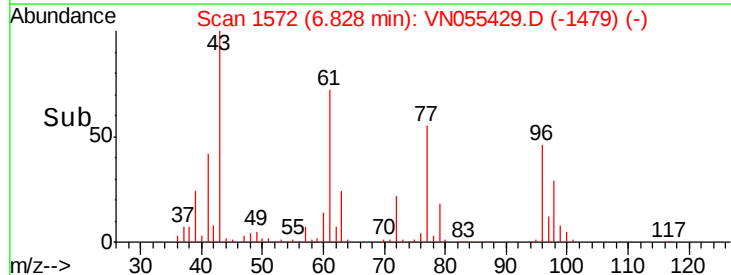
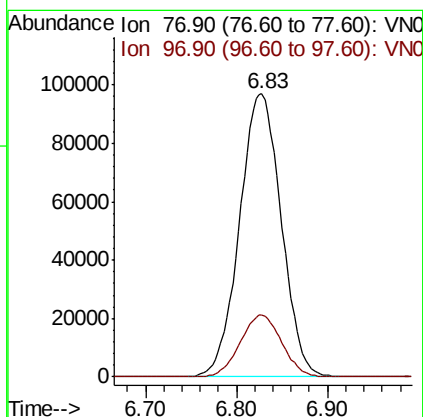
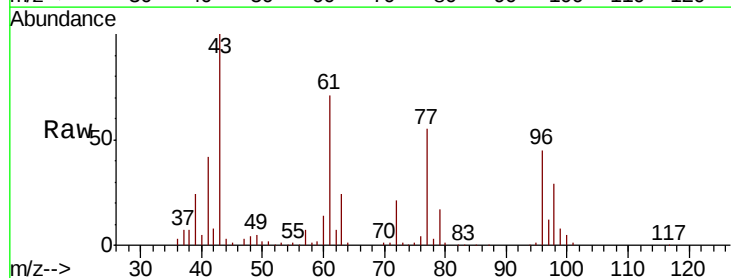
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

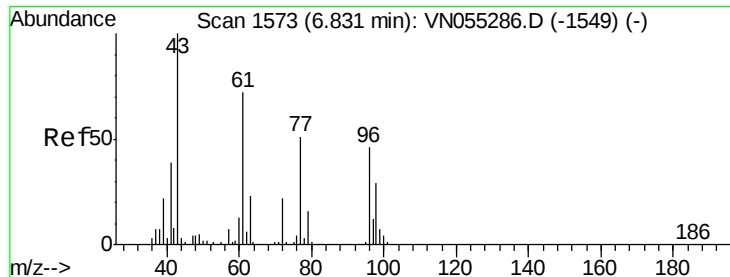
Tot Ion: 43 Resp: 563700
Ion Ratio Lower Upper
43 100
72 21.3 18.0 27.0



#26
2,2-Dichloropropane
Concen: 52.713 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion: 77 Resp: 307872
Ion Ratio Lower Upper
77 100
97 21.9 11.4 34.2

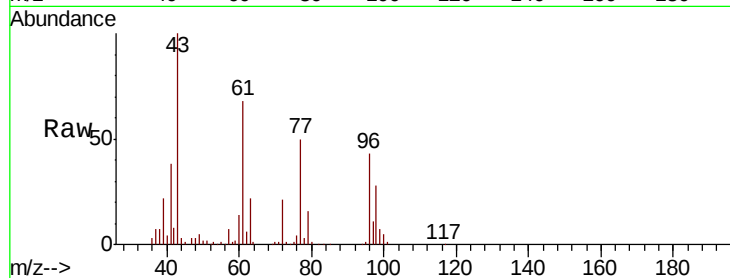




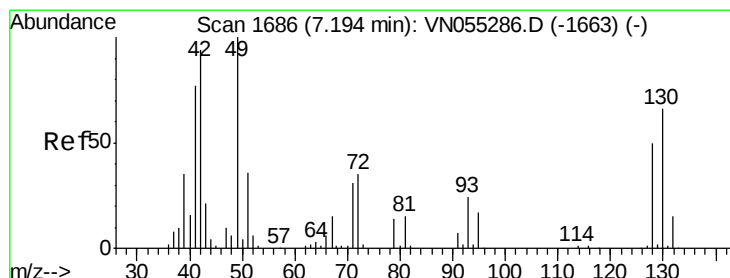
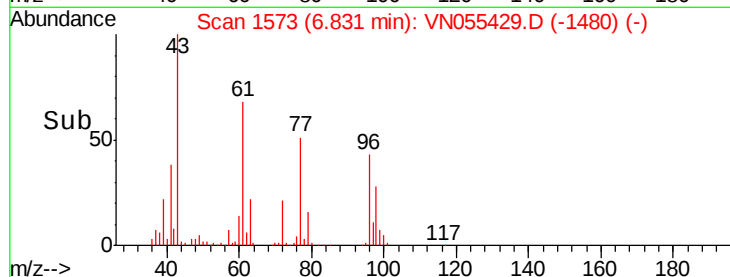
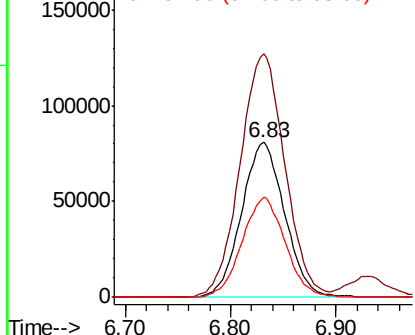
#27
 cis-1,2-Dichloroethene
 Concen: 49.531 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.9	0.0	316.2
98	64.8	0.0	126.6

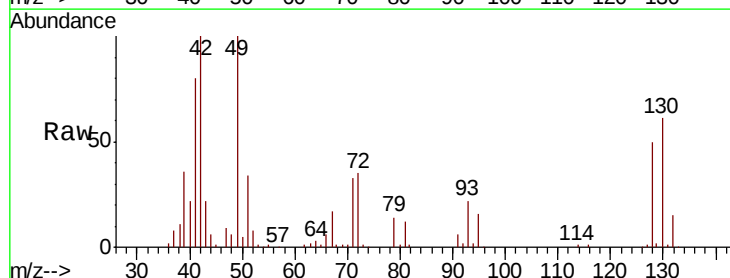


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

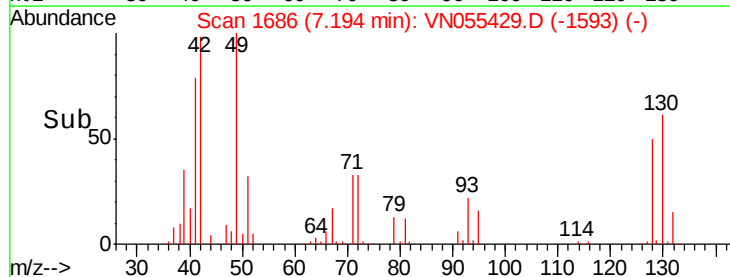
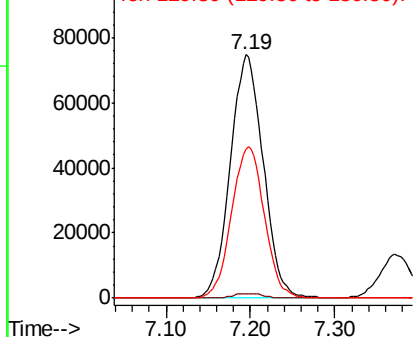


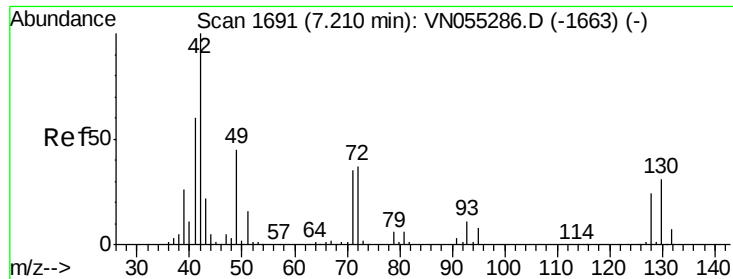
#28
 Bromochloromethane
 Concen: 47.706 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.4
130	61.9	52.0	78.0



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

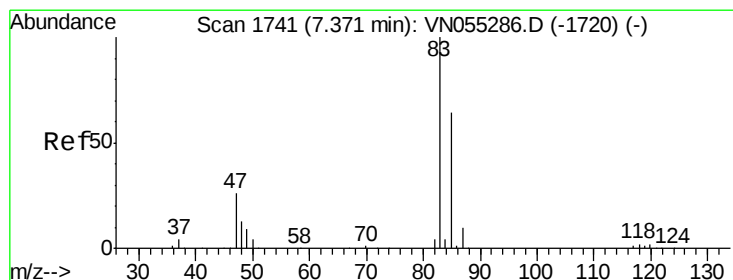
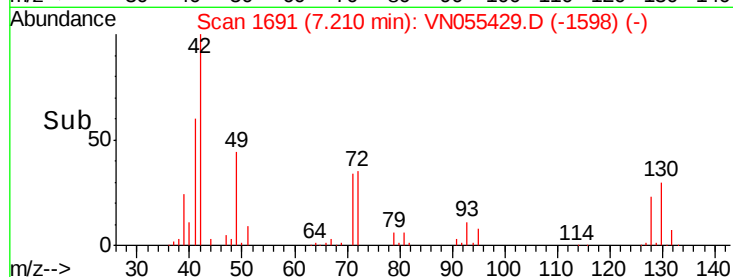
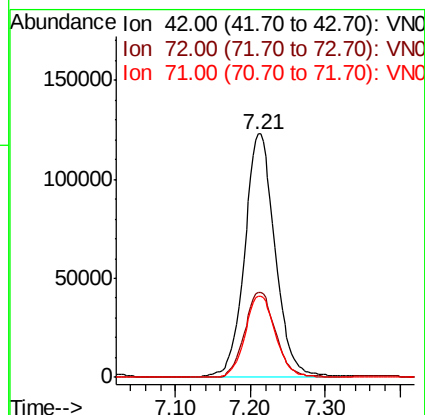
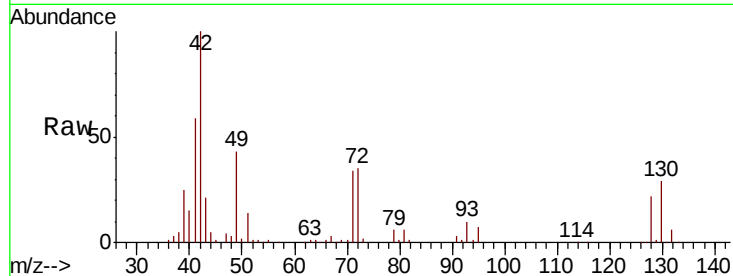




#29
Tetrahydrofuran
Concen: 265.923 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

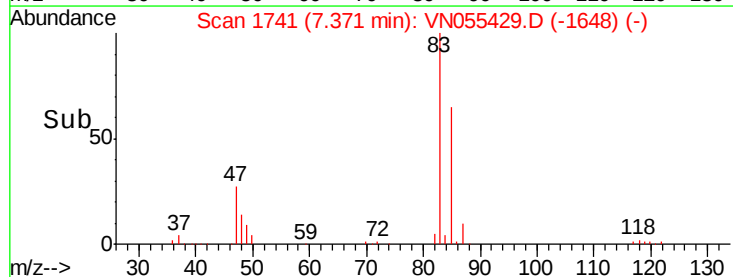
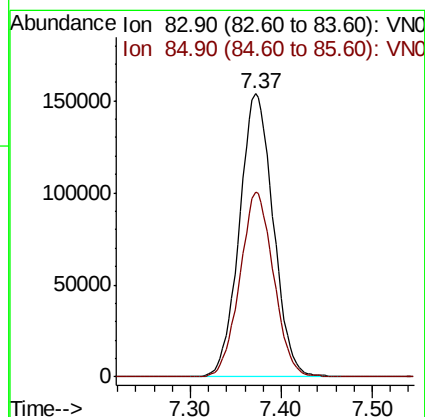
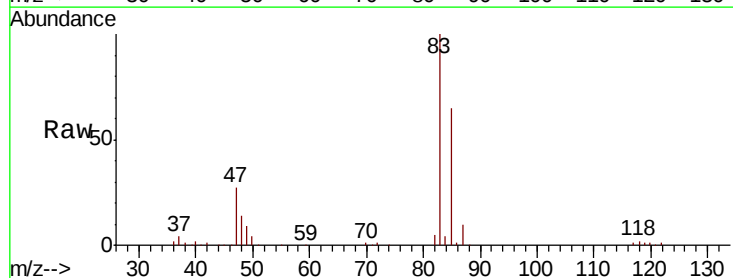
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

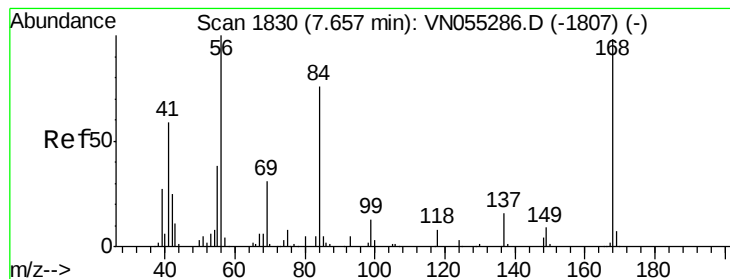
Tot Ion: 42 Resp: 346642
Ion Ratio Lower Upper
42 100
72 35.6 29.0 43.6
71 33.4 27.1 40.7



#30
Chloroform
Concen: 49.556 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion: 83 Resp: 397330
Ion Ratio Lower Upper
83 100
85 65.2 51.4 77.2





#31

Cyclohexane

Concen: 45.261 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

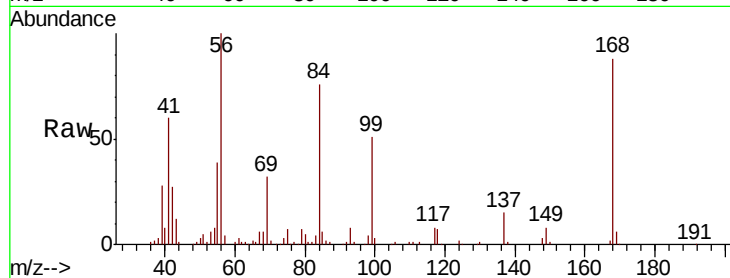
Tot Ion: 56 Resp: 363713

Ion Ratio Lower Upper

56 100

69 32.3 25.2 37.8

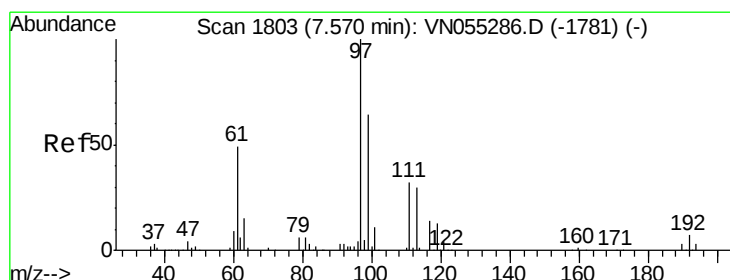
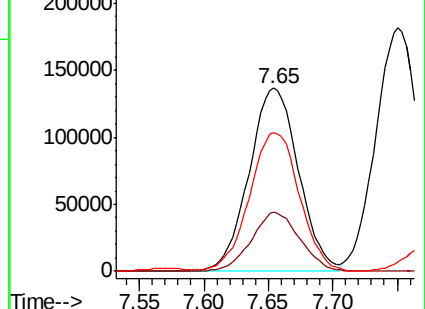
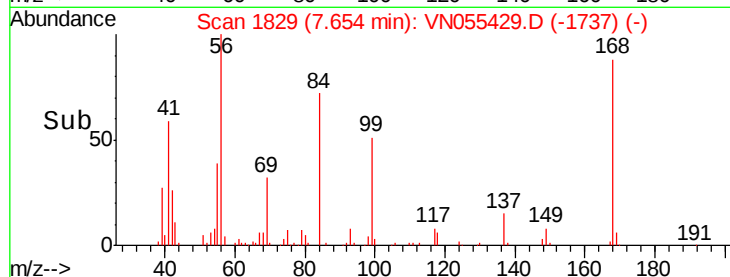
84 75.1 61.1 91.7



Abundance Ion 56.00 (55.70 to 56.70): VN055429.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN055429.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN055429.D (-1737) (-)



#32

1,1,1-Trichloroethane

Concen: 50.072 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

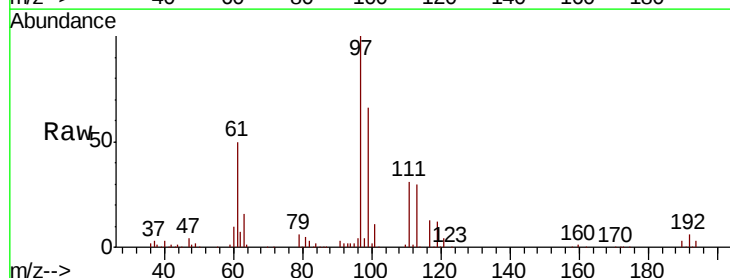
Tgt Ion: 97 Resp: 325828

Ion Ratio Lower Upper

97 100

99 64.4 51.8 77.8

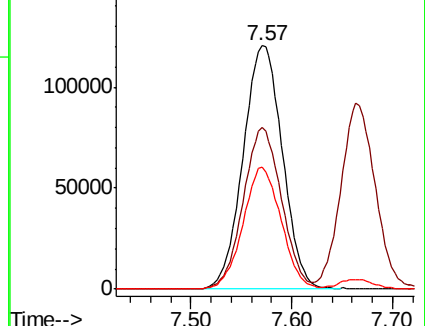
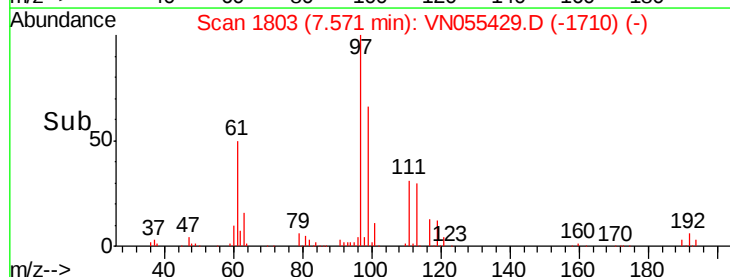
61 48.5 39.0 58.6

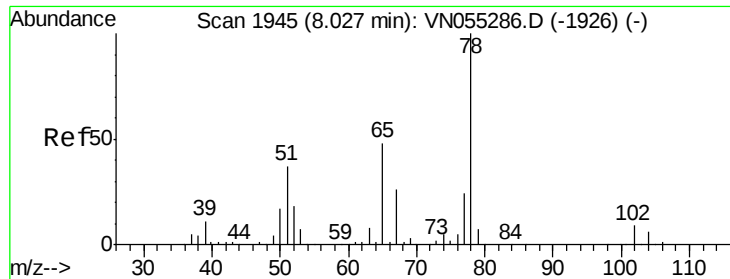


Abundance Ion 96.90 (96.60 to 97.60): VN055429.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN055429.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN055429.D (-1710) (-)





#33

1,2-Dichloroethane-d4

Concen: 47.712 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

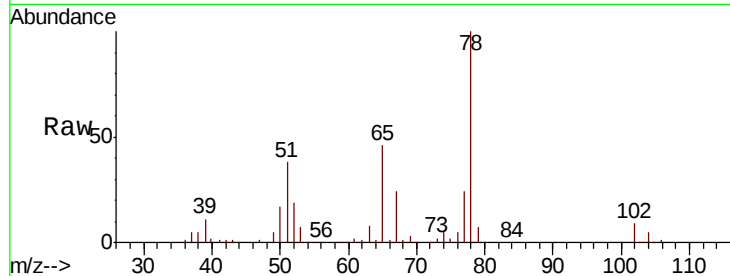
VSTDCCC050

Tot Ion: 65 Resp: 243749

Ion Ratio Lower Upper

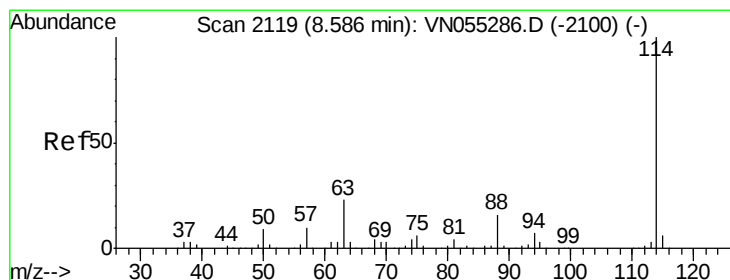
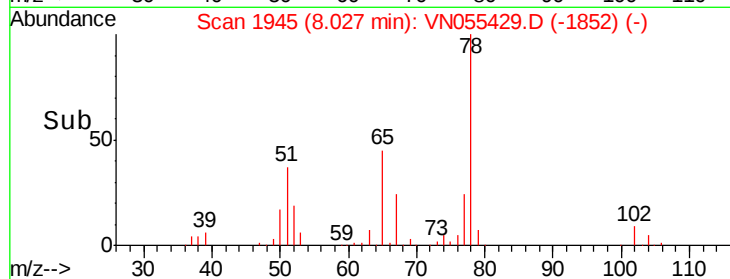
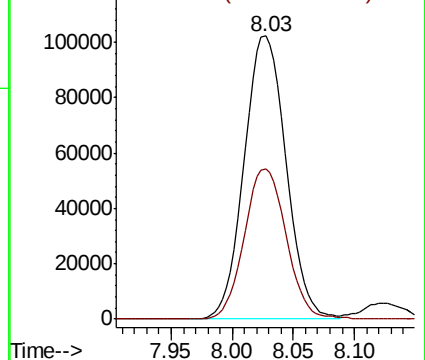
65 100

67 53.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN055429.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN055429.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

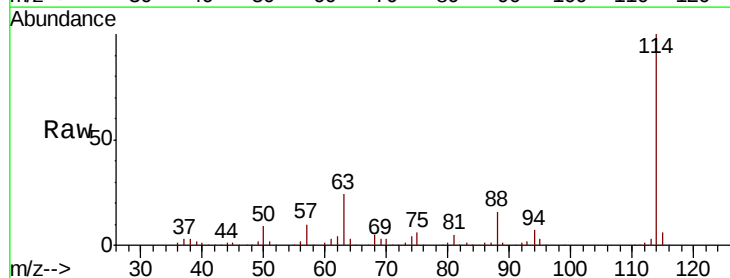
Tgt Ion: 114 Resp: 613604

Ion Ratio Lower Upper

114 100

63 24.1 0.0 45.2

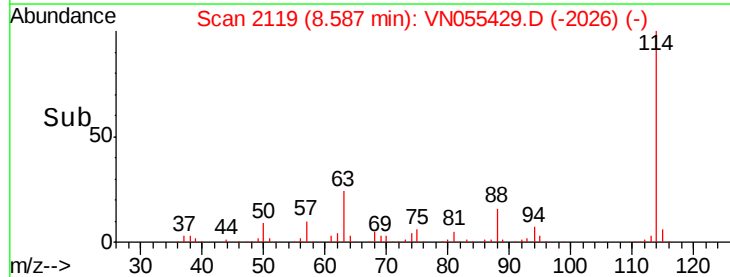
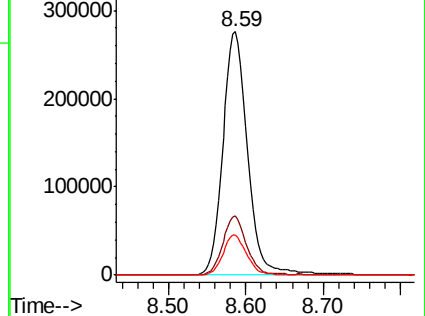
88 16.4 0.0 31.6

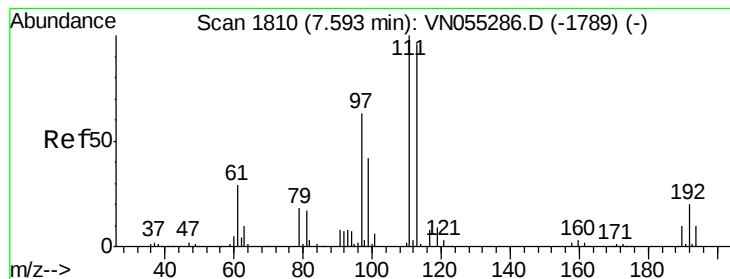


Abundance Ion 113.90 (113.60 to 114.60): VN055429.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN055429.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN055429.D (-2026) (-)





#35

Dibromofluoromethane

Concen: 47.969 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

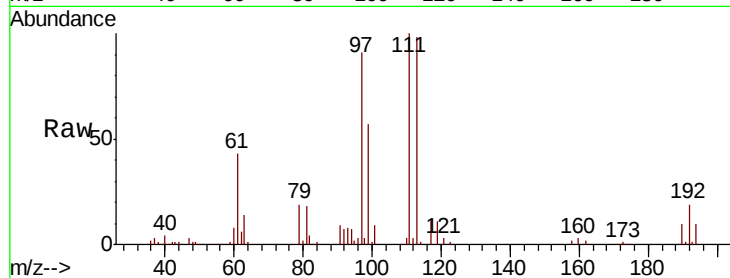
Tot Ion:113 Resp: 193196

Ion Ratio Lower Upper

113 100

111 102.9 82.3 123.5

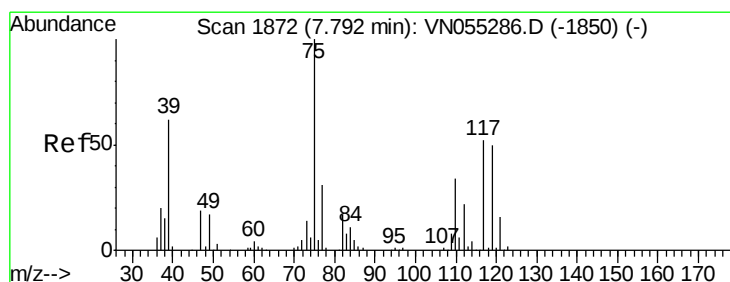
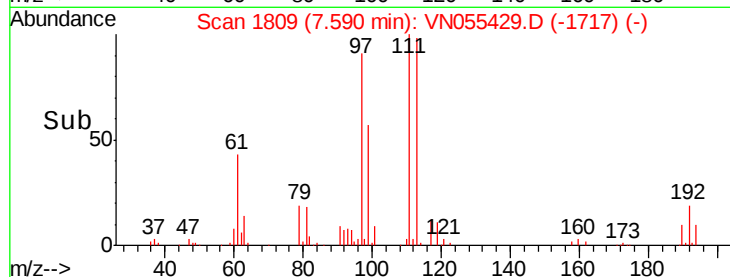
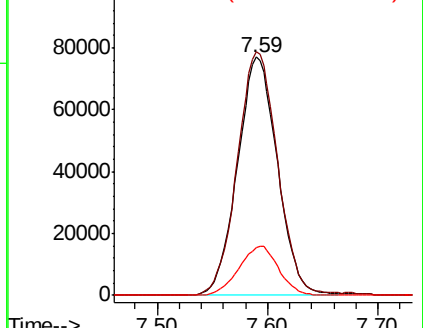
192 20.6 17.0 25.6



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: 47.693 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

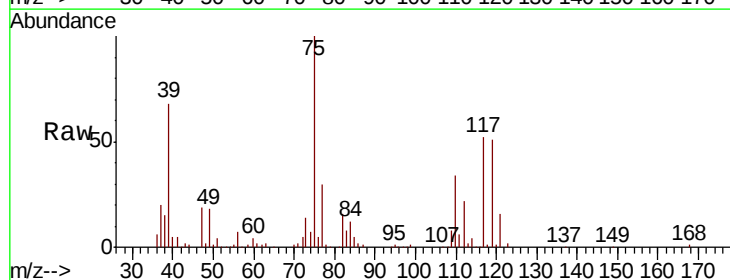
Tgt Ion: 75 Resp: 280309

Ion Ratio Lower Upper

75 100

110 33.6 16.8 50.4

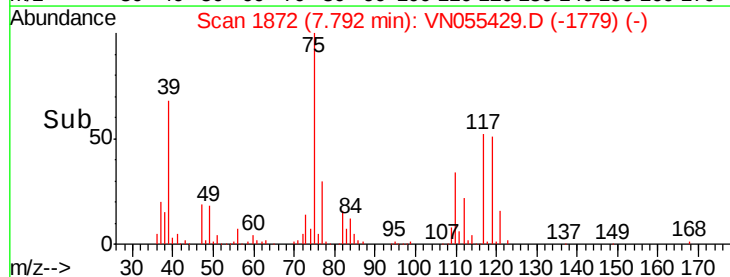
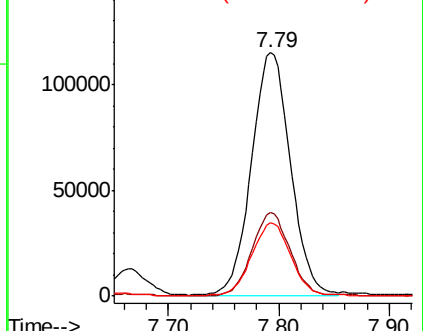
77 30.2 25.0 37.6

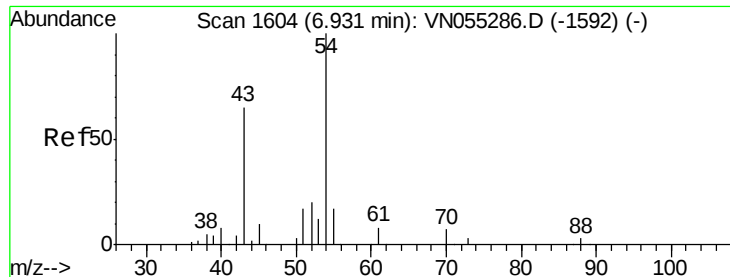


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

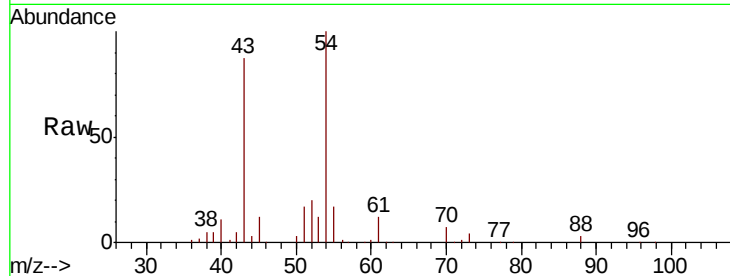




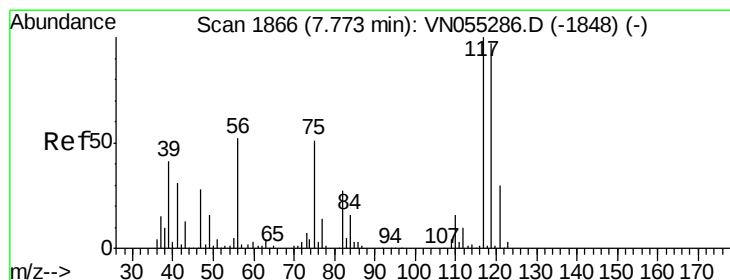
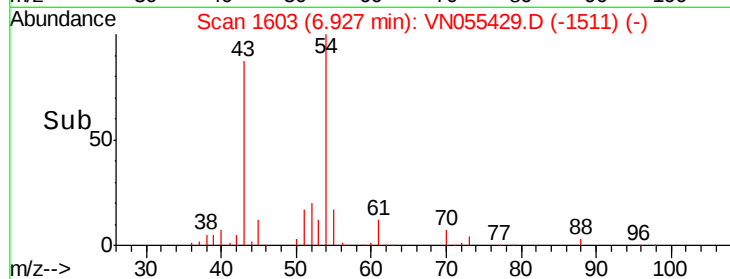
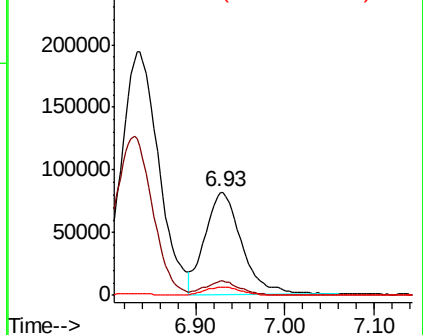
#37
Ethyl Acetate
Concen: 51.585 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 232366
Ion Ratio Lower Upper
43 100
61 12.6 10.4 15.6
70 7.4 6.6 10.0

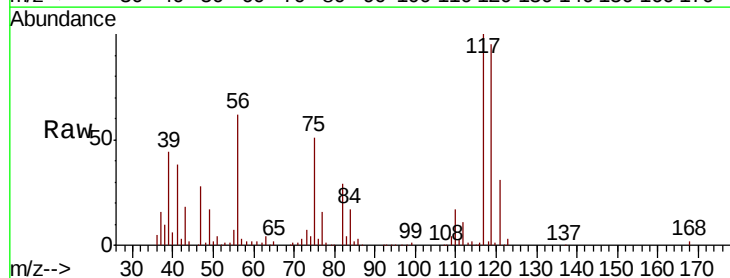


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

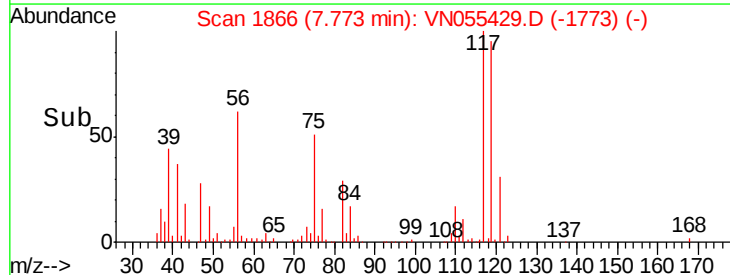
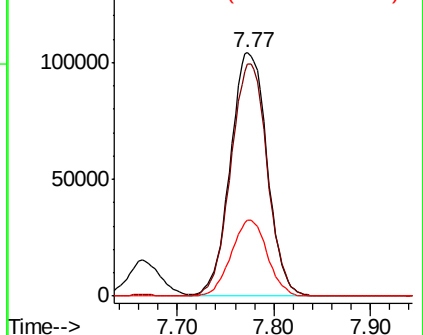


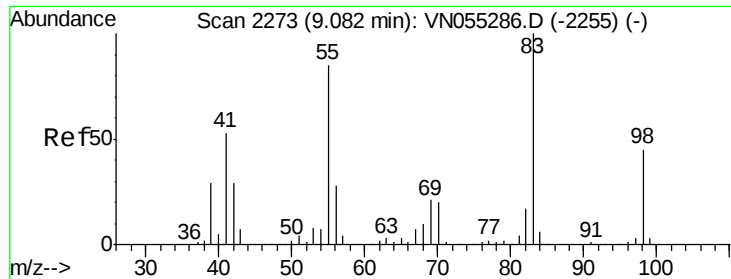
#38
Carbon Tetrachloride
Concen: 48.501 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion: 117 Resp: 274979
Ion Ratio Lower Upper
117 100
119 95.1 77.0 115.6
121 31.2 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

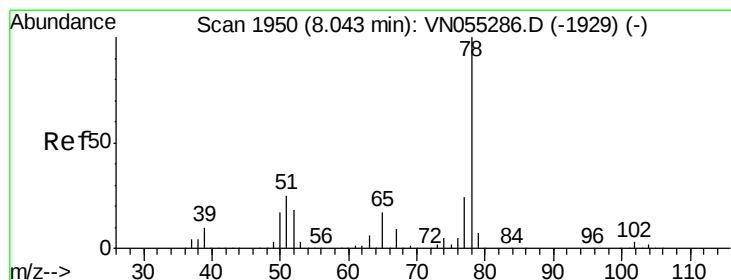
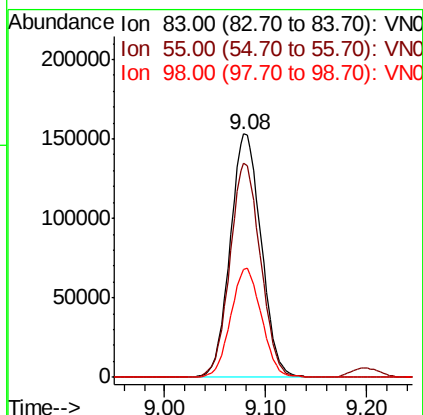
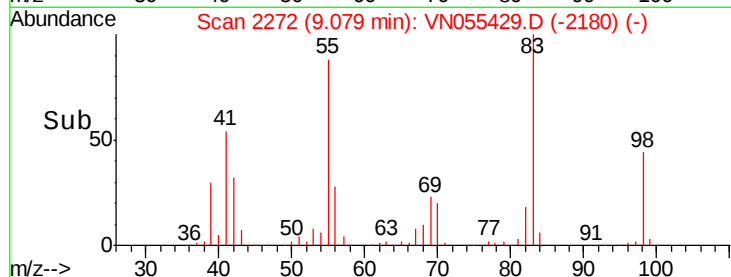
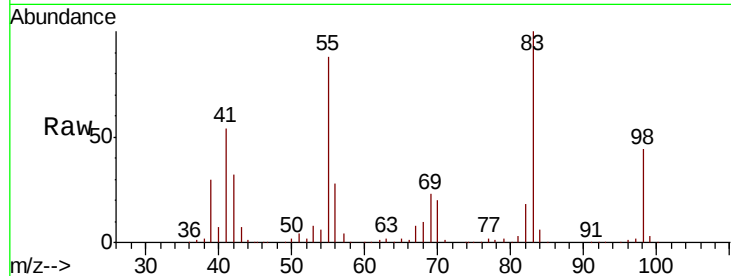




#39
Methvlcvclohexane
Concen: 52.451 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

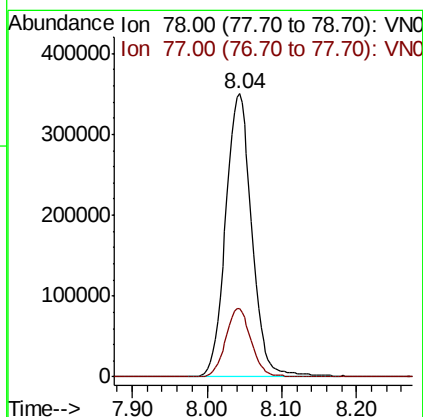
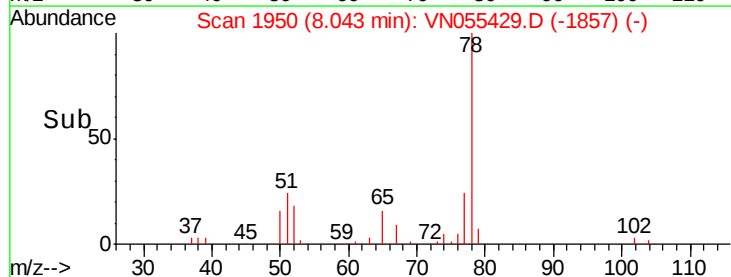
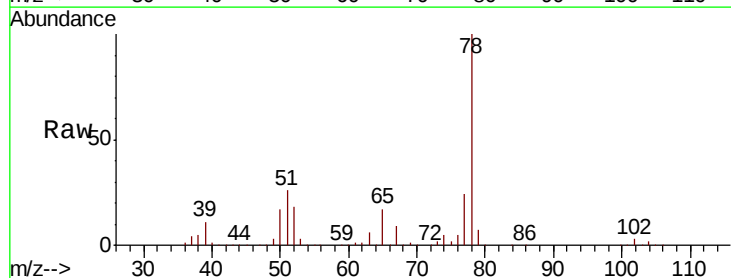
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

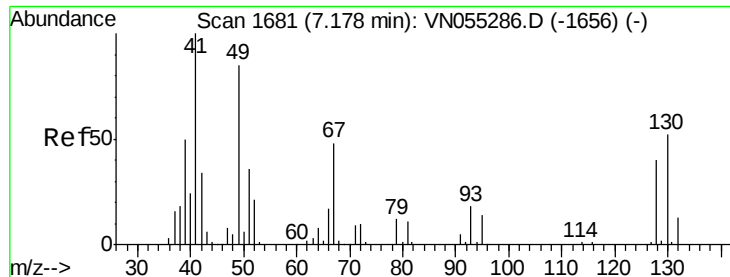
Tot Ion: 83 Resp: 327761
Ion Ratio Lower Upper
83 100
55 88.2 67.8 101.6
98 44.4 36.2 54.4



#40
Benzene
Concen: 49.098 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion: 78 Resp: 850668
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6

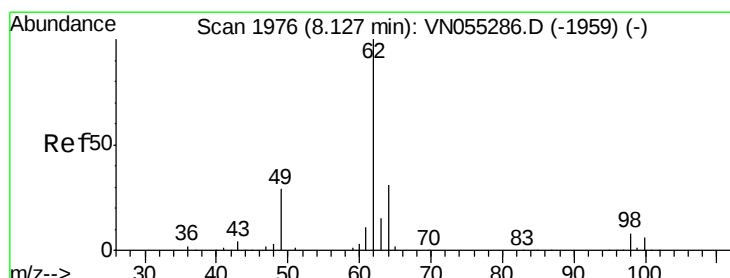
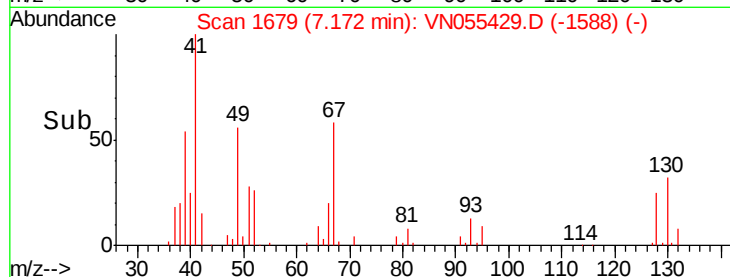
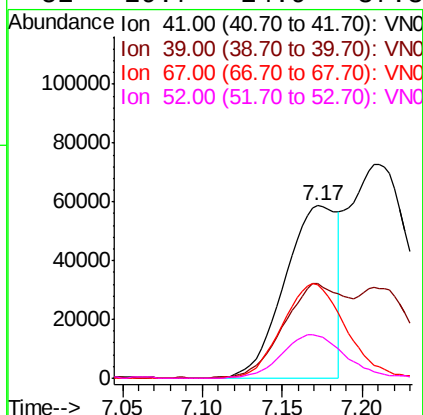
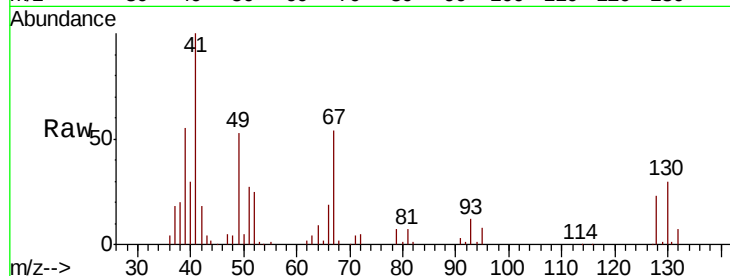




#41
Methacrylonitrile
Concen: 54.929 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

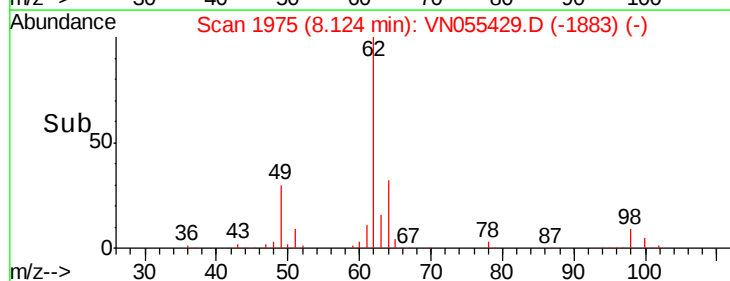
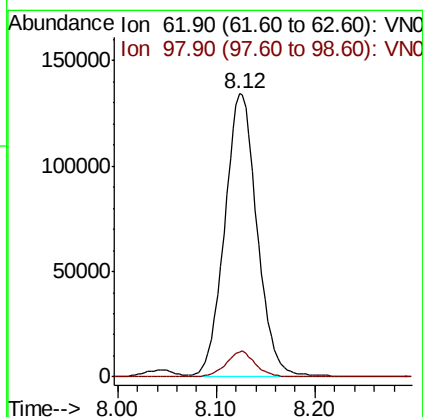
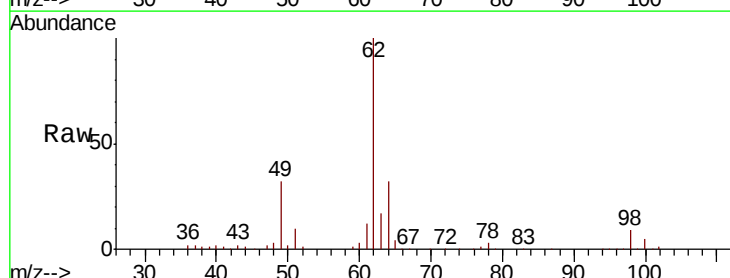
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

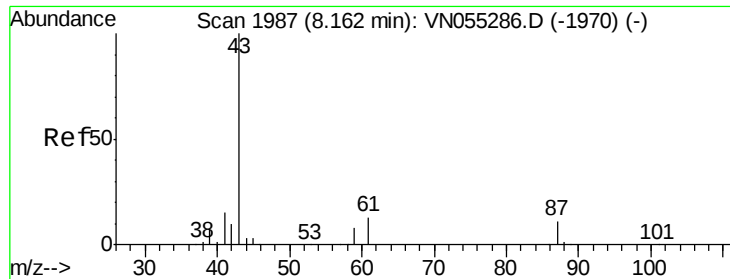
Tot Ion:	41	Resp:	134091
Ion	Ratio	Lower	Upper
41	100		
39	65.7	48.5	72.7
67	66.5	54.9	82.3
52	29.7	24.9	37.3



#42
1,2-Dichloroethane
Concen: 50.003 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion:	62	Resp:	306846
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.4





#43

Isopropyl Acetate

Concen: 57.069 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

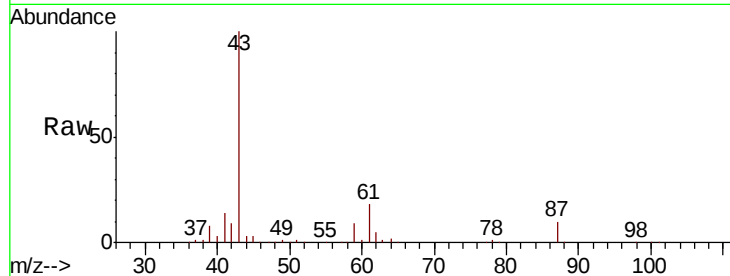
Tot Ion: 43 Resp: 413127

Ion Ratio Lower Upper

43 100

61 16.9 20.8 31.2#

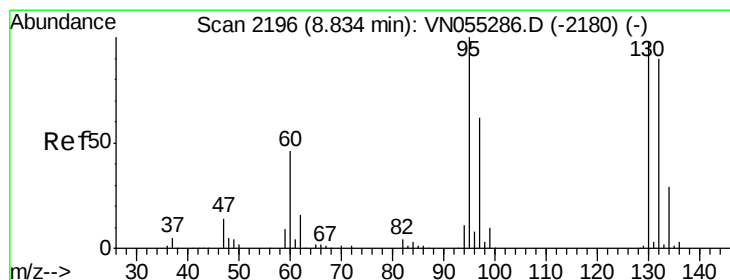
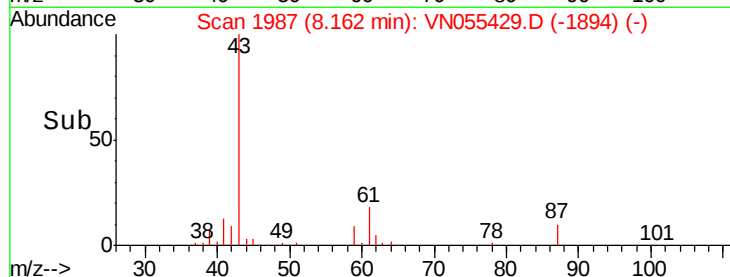
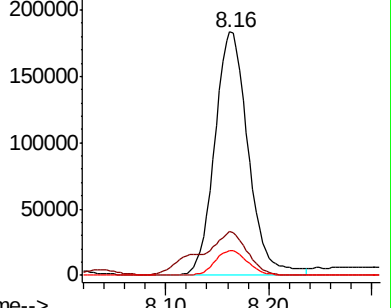
87 9.9 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN055429.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN055429.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN055429.D (-2103) (-)



#44

Trichloroethene

Concen: 47.799 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055429.D

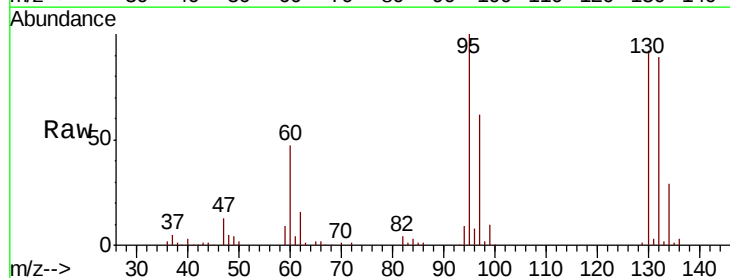
Acq: 7 May 2019 11:37

Tgt Ion:130 Resp: 211123

Ion Ratio Lower Upper

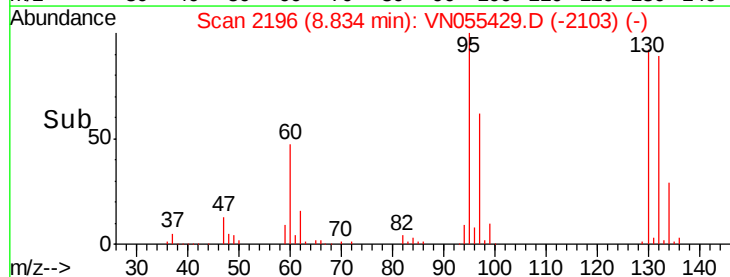
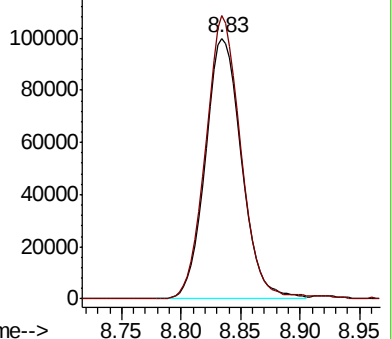
130 100

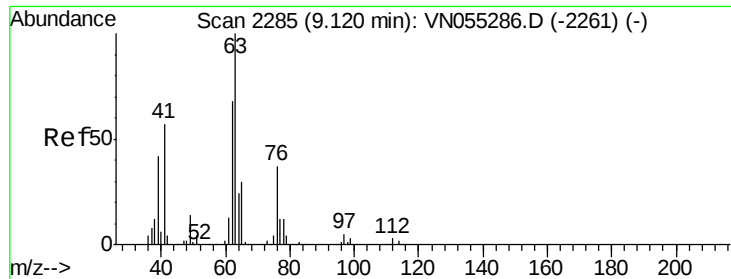
95 108.5 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN055429.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055429.D (-2103) (-)

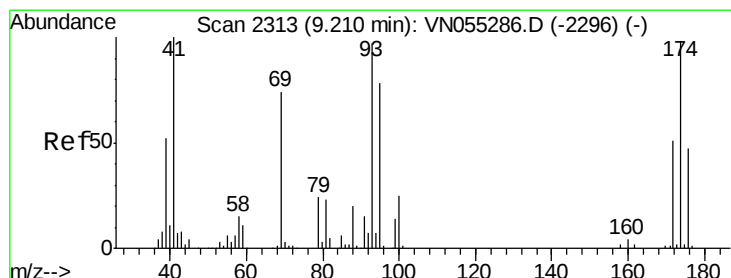
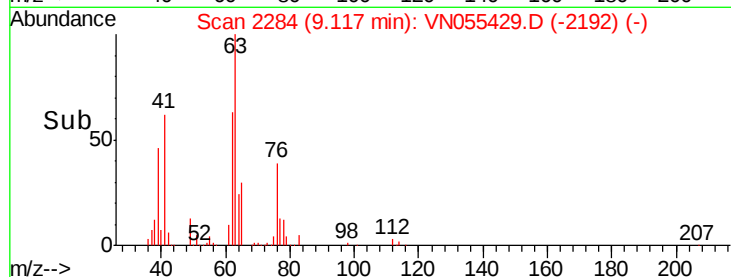
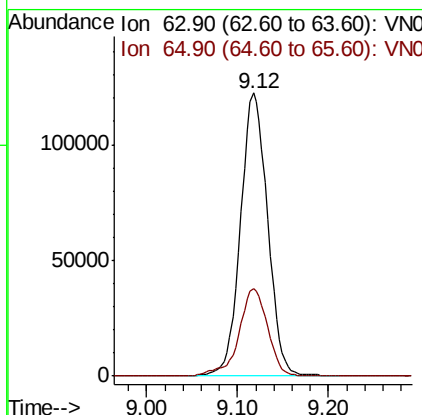
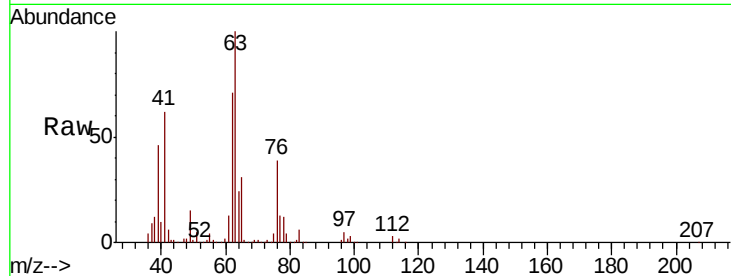




#45
 1,2-Dichloropropane
 Concen: 50.734 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

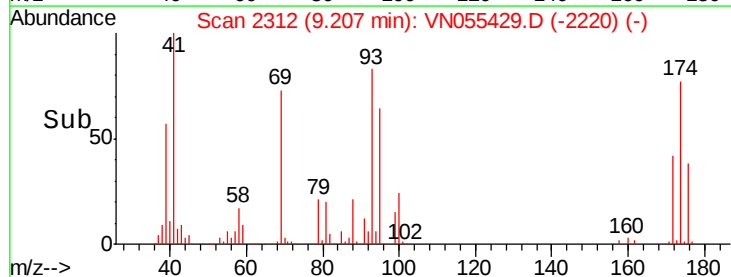
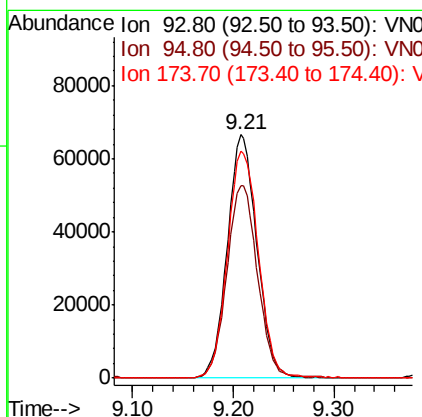
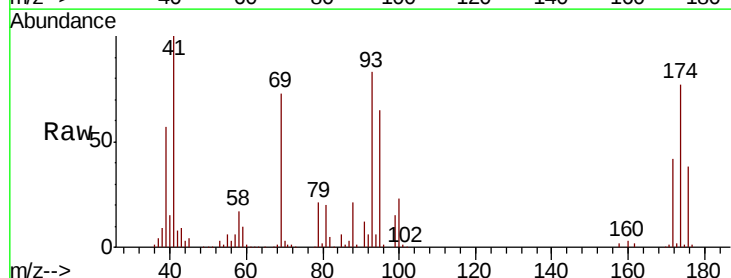
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

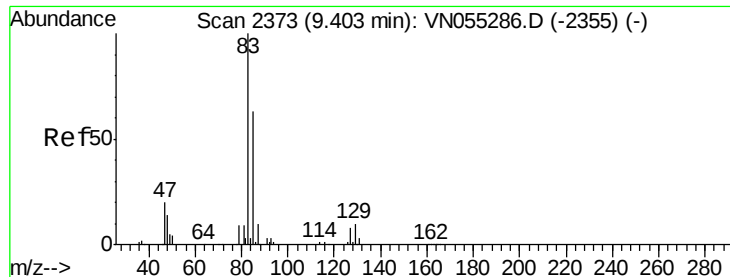
Tot Ion: 63 Resp: 253524
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.9 35.9



#46
 Dibromomethane
 Concen: 50.017 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Tgt Ion: 93 Resp: 136620
 Ion Ratio Lower Upper
 93 100
 95 81.5 65.7 98.5
 174 96.8 81.5 122.3





#47

Bromodichloromethane

Concen: 52.353 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

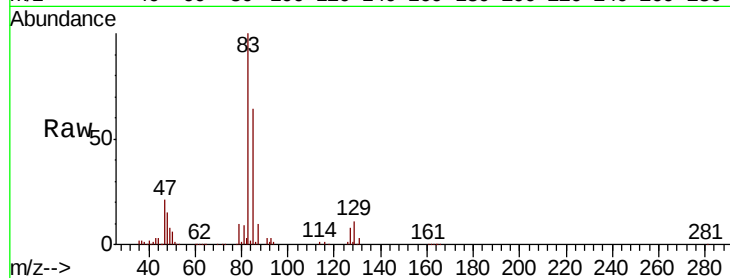
Tot Ion: 83 Resp: 306778

Ion Ratio Lower Upper

83 100

85 63.7 50.1 75.1

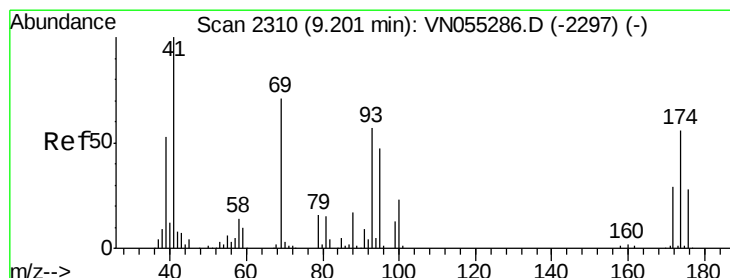
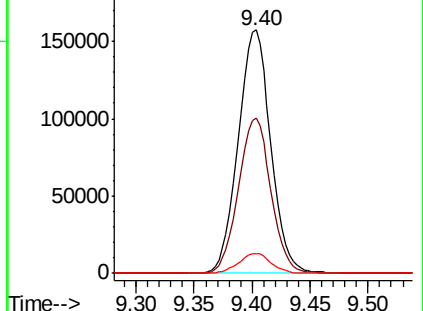
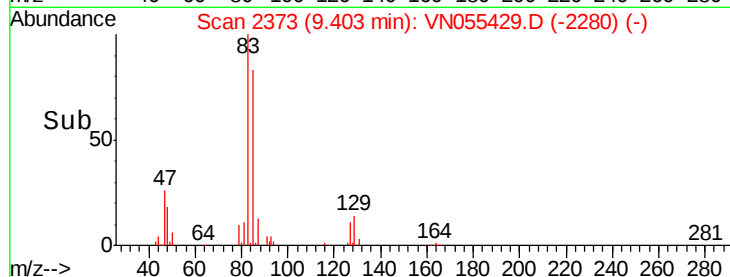
127 8.3 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN055429.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055429.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055429.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.830 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

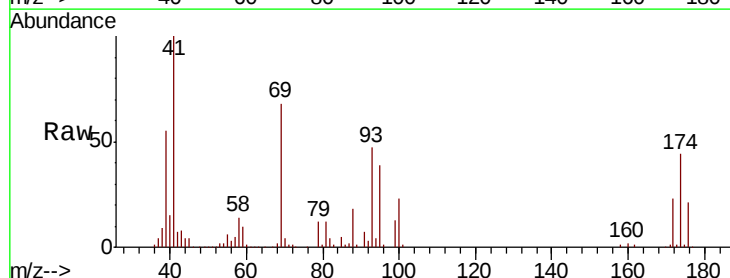
Tgt Ion: 41 Resp: 188008

Ion Ratio Lower Upper

41 100

69 75.2 58.6 87.8

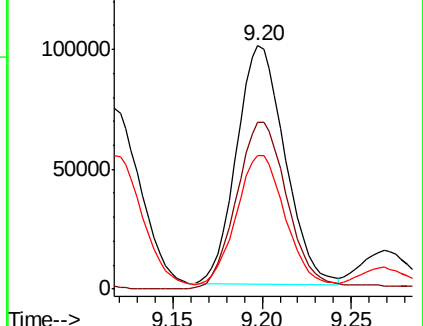
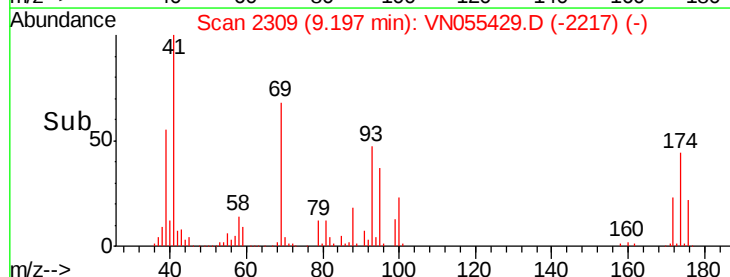
39 57.6 43.8 65.6

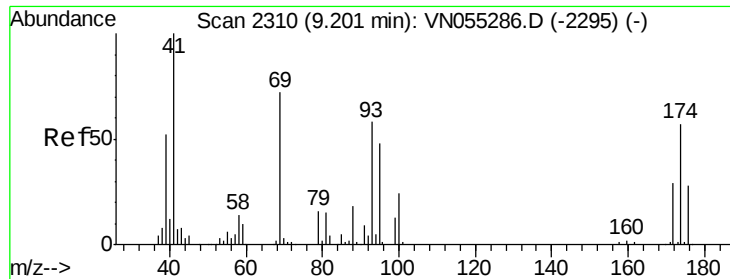


Abundance Ion 41.00 (40.70 to 41.70): VN055429.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055429.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055429.D (-2217) (-)





#49

1,4-Dioxane

Concen: 1108.959 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

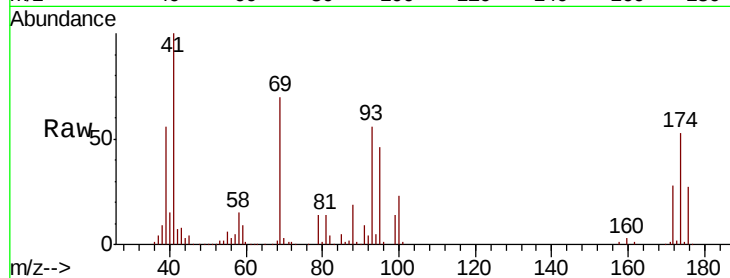
Tot Ion: 88 Resp: 40796

Ion Ratio Lower Upper

88 100

43 40.5 33.3 49.9

58 77.9 62.7 94.1

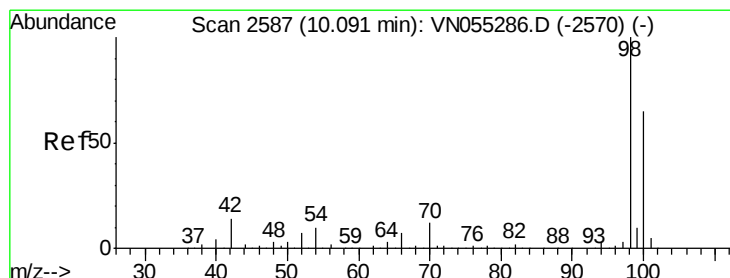
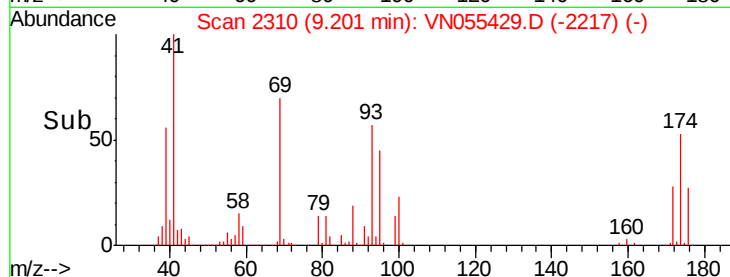
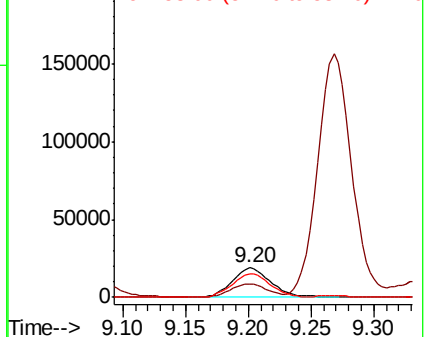


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 47.857 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055429.D

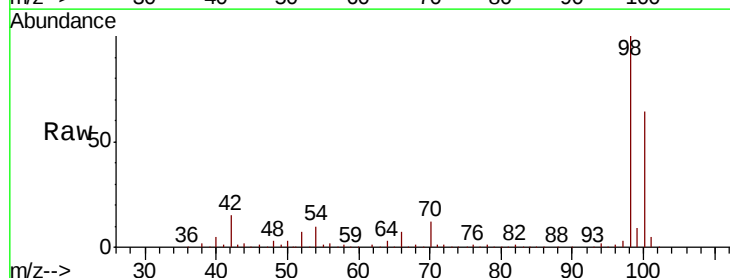
Acq: 7 May 2019 11:37

Tgt Ion: 98 Resp: 695978

Ion Ratio Lower Upper

98 100

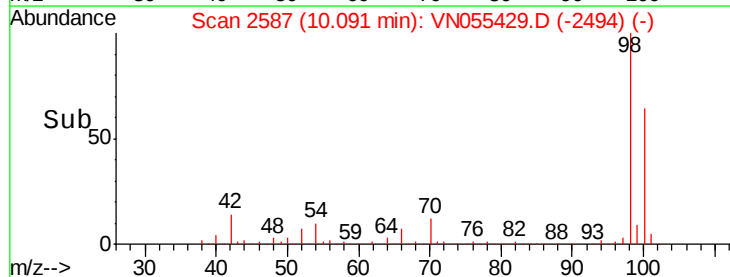
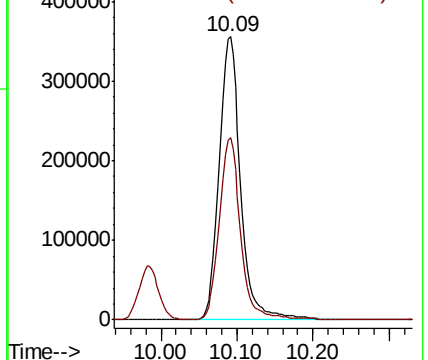
100 64.3 51.7 77.5

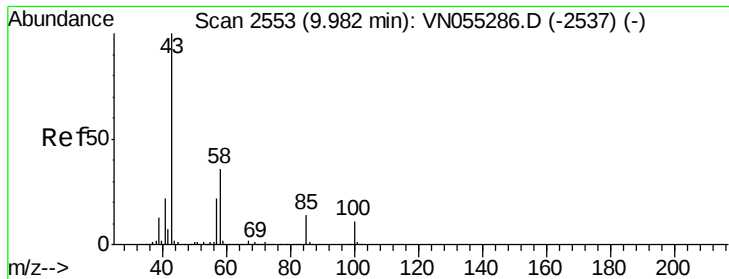


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 274.649 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

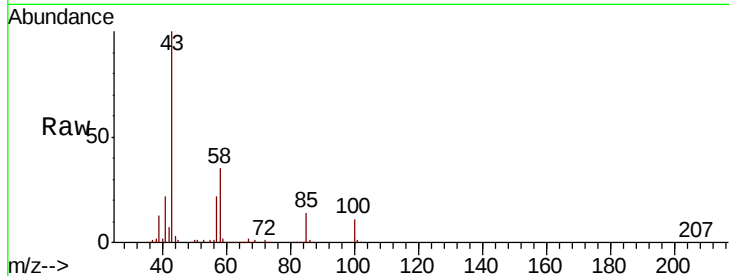
VSTDCCC050

Tot Ion: 43 Resp: 1119381

Ion Ratio Lower Upper

43 100

58 35.0 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055286.D (-2537) (-)

9.98

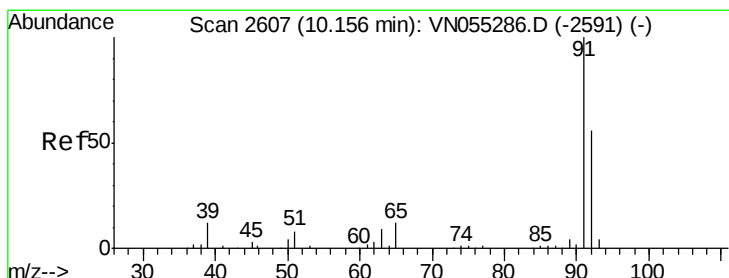
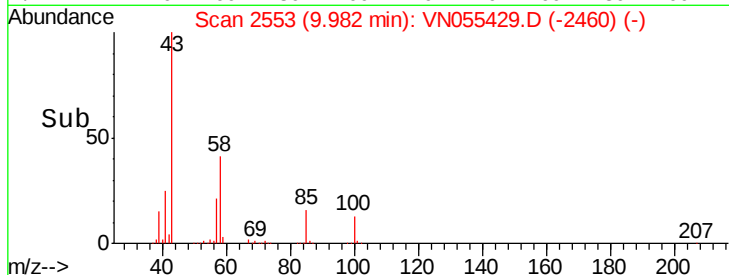
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.405 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055429.D

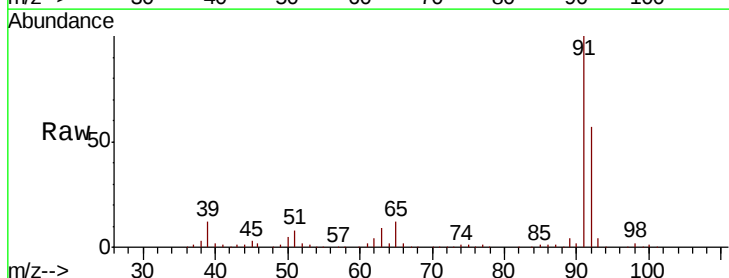
Acq: 7 May 2019 11:37

Tgt Ion: 92 Resp: 501092

Ion Ratio Lower Upper

92 100

91 175.6 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN055286.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055286.D (-2591) (-)

10.16

500000

400000

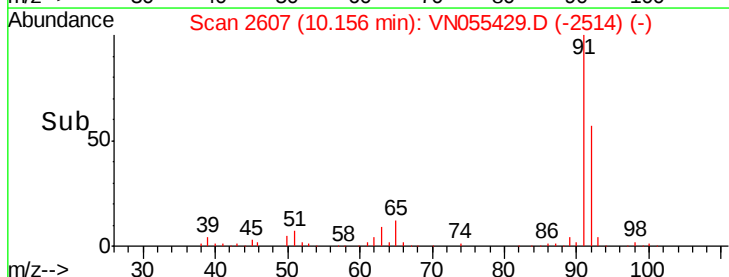
300000

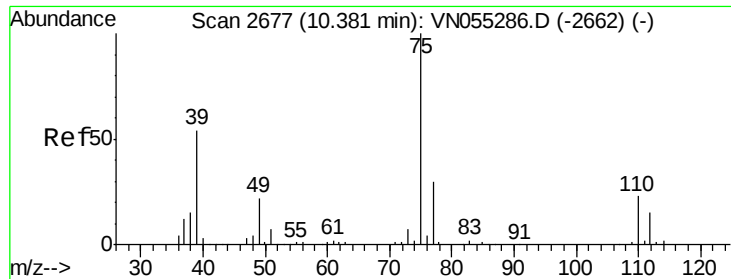
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 56.875 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

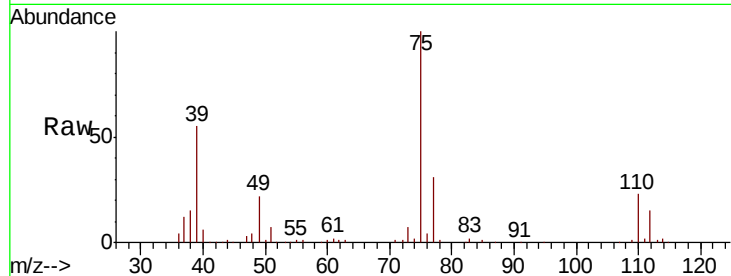
VSTDCCC050

Tot Ion: 75 Resp: 289317

Ion Ratio Lower Upper

75 100

77 31.2 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

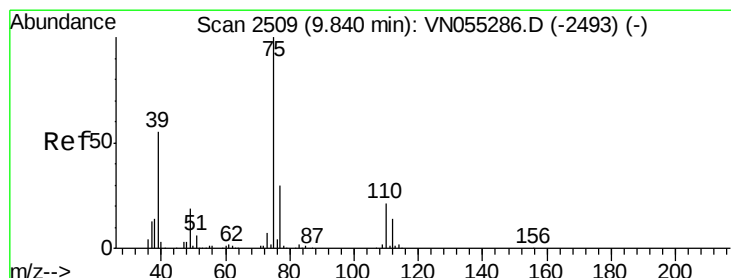
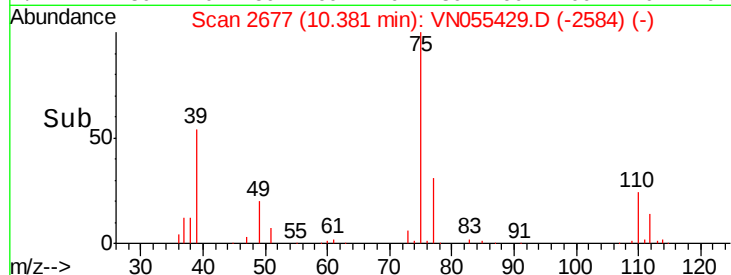
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 55.874 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

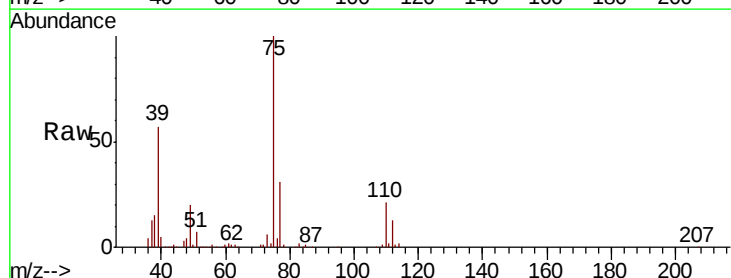
Tgt Ion: 75 Resp: 354372

Ion Ratio Lower Upper

75 100

77 30.6 24.2 36.2

39 56.6 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

250000

200000

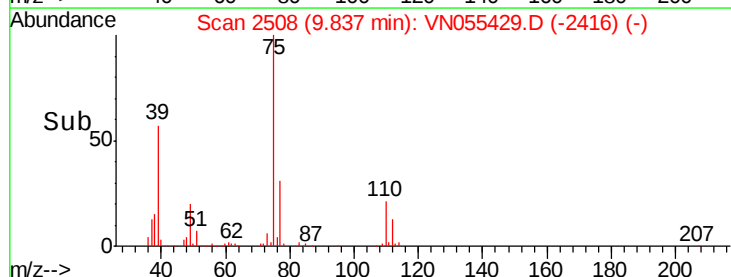
150000

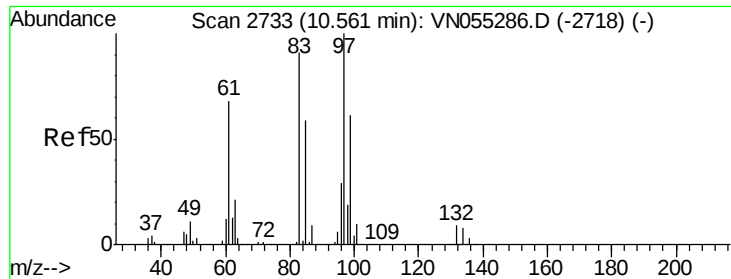
100000

50000

0

Time-->

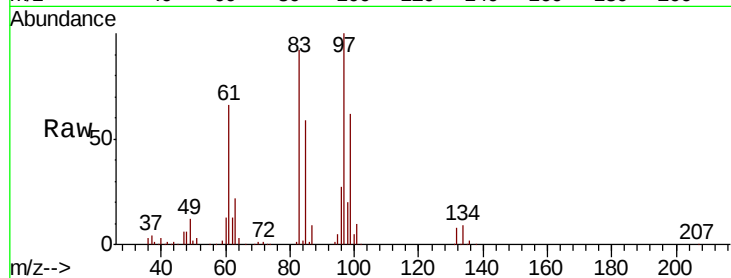




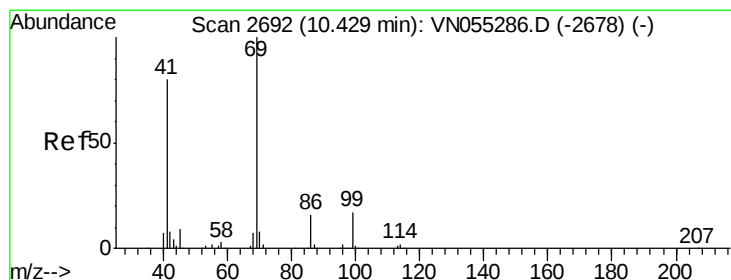
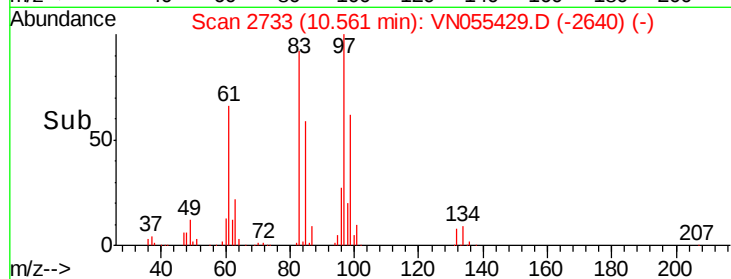
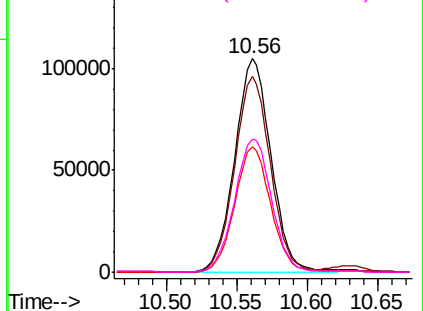
#55
 1,1,2-Trichloroethane
 Concen: 51.479 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	190039
Ion	Ratio	Lower	Upper
97	100		
83	91.6	72.8	109.2
85	58.7	47.0	70.6
99	62.0	49.0	73.4

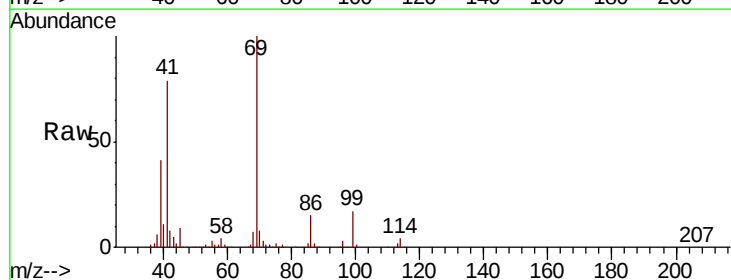


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

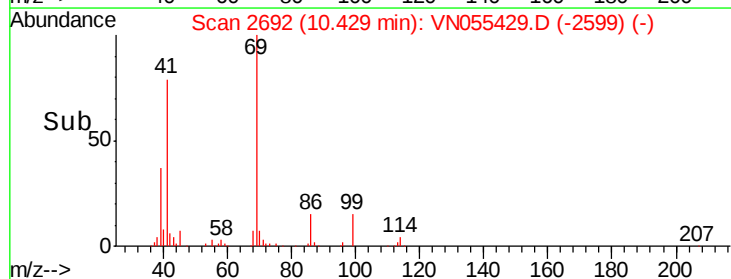
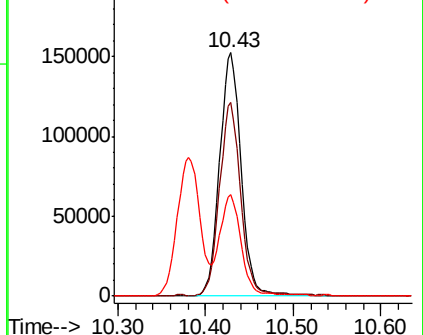


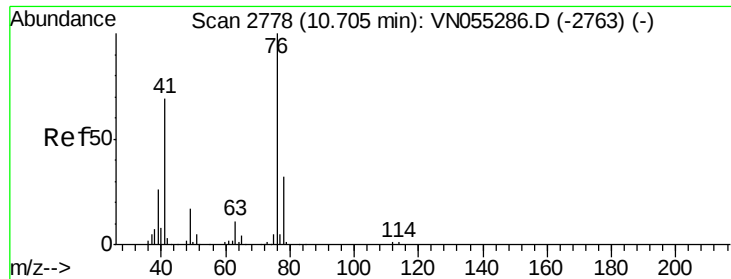
#56
 Ethyl methacrylate
 Concen: 57.428 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Tgt Ion:	69	Resp:	260940
Ion	Ratio	Lower	Upper
69	100		
41	77.6	62.7	94.1
39	41.0	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: 52.452 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

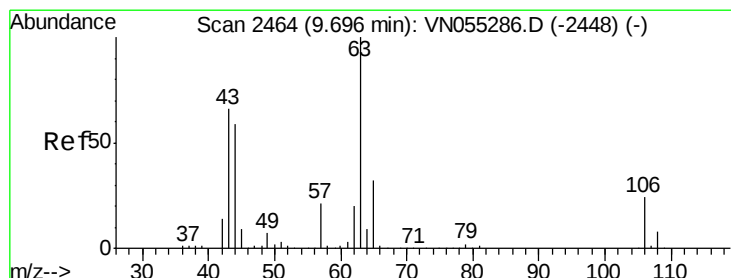
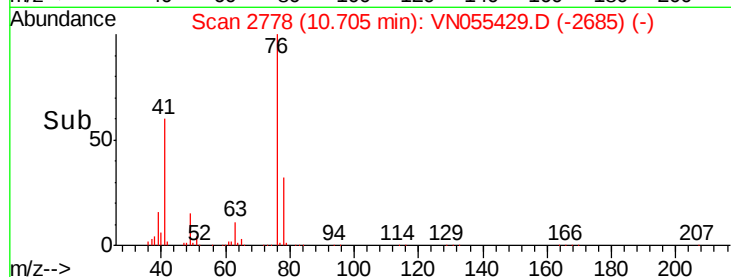
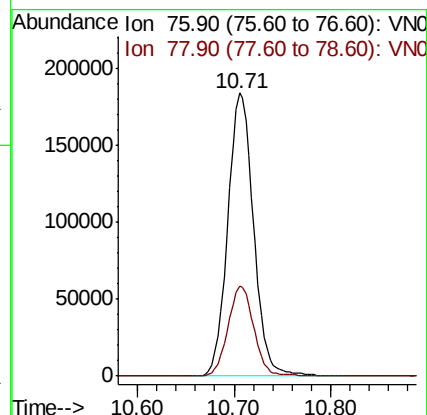
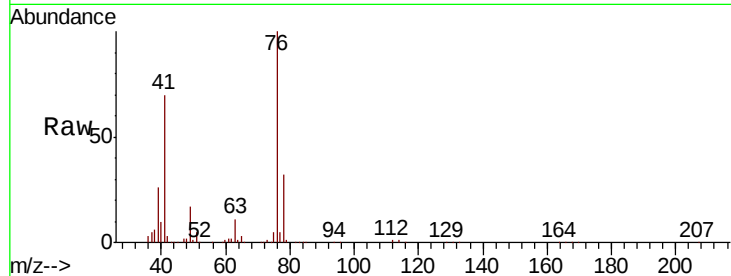
VSTDCCC050

Tot Ion: 76 Resp: 339684

Ion Ratio Lower Upper

76 100

78 32.0 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 233.502 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055429.D

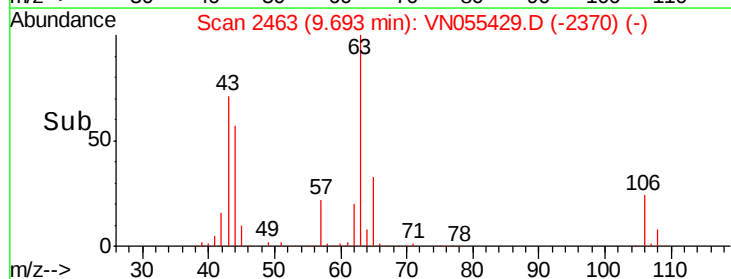
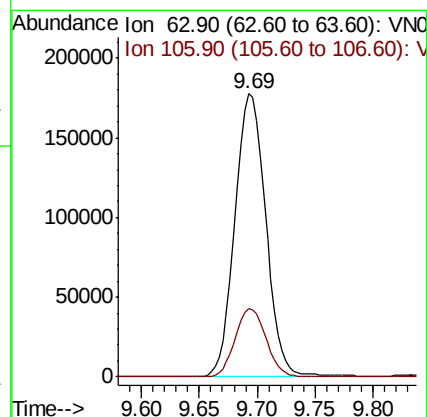
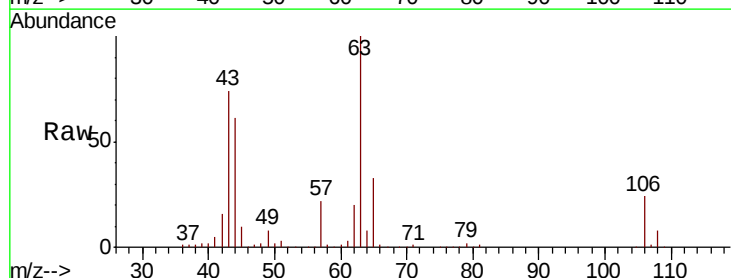
Acq: 7 May 2019 11:37

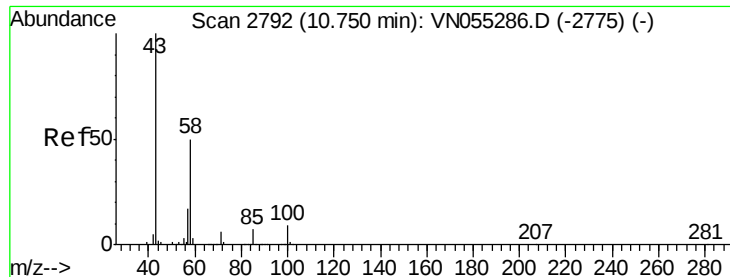
Tgt Ion: 63 Resp: 328058

Ion Ratio Lower Upper

63 100

106 24.1 19.0 28.4

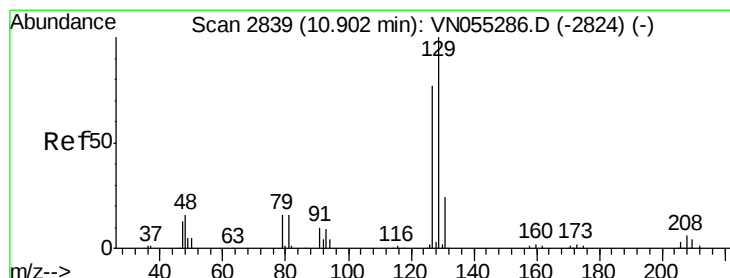
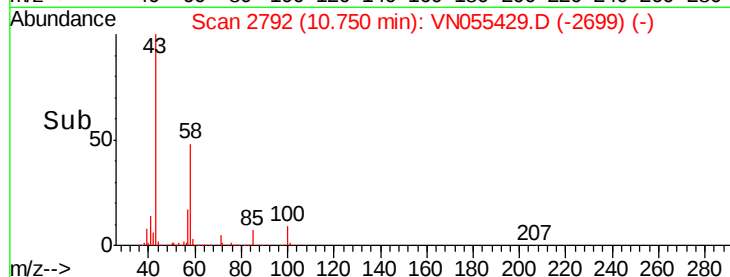
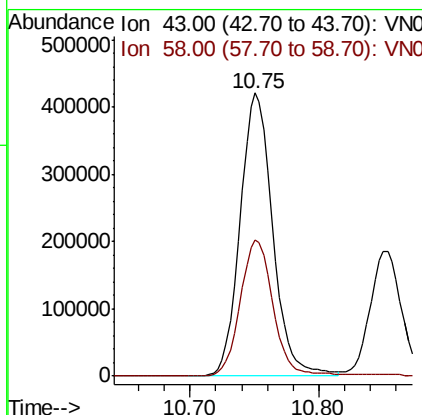
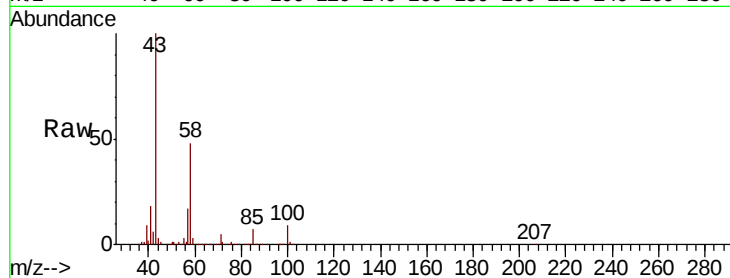




#59
2-Hexanone
Concen: 290.089 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

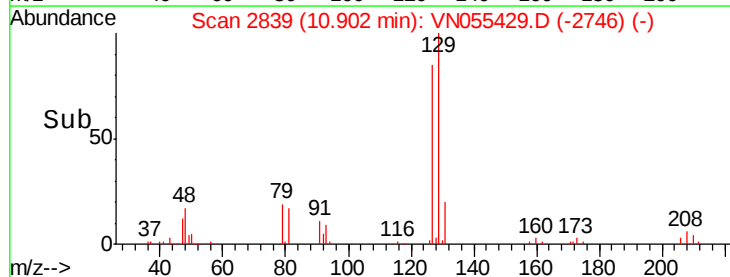
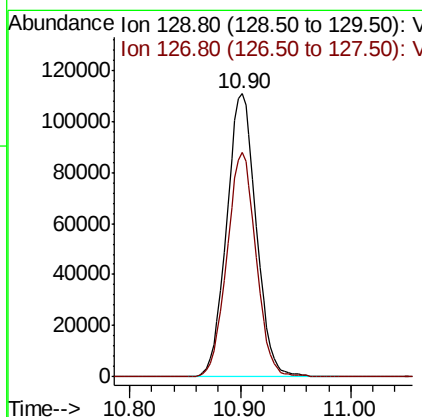
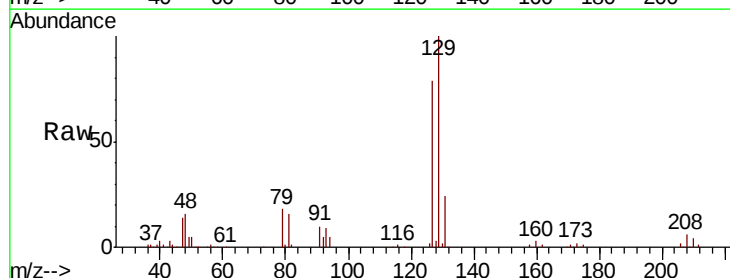
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

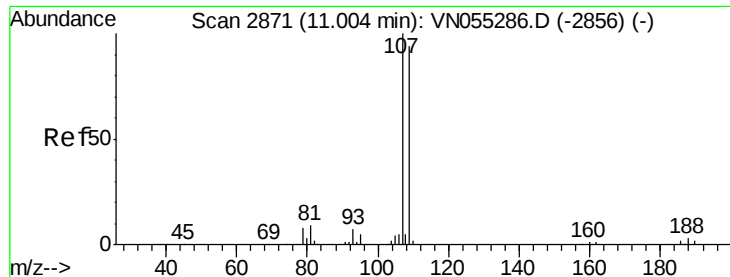
Tot Ion: 43 Resp: 739755
Ion Ratio Lower Upper
43 100
58 48.7 24.9 74.6



#60
Dibromochloromethane
Concen: 54.581 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion: 129 Resp: 205931
Ion Ratio Lower Upper
129 100
127 77.9 38.1 114.5





#61

1,2-Dibromoethane

Concen: 51.695 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

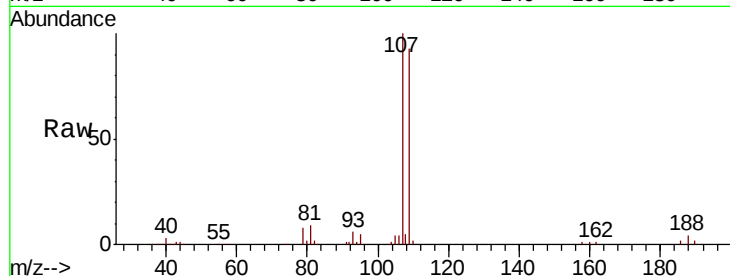
VSTDCCC050

Tot Ion:107 Resp: 176388

Ion Ratio Lower Upper

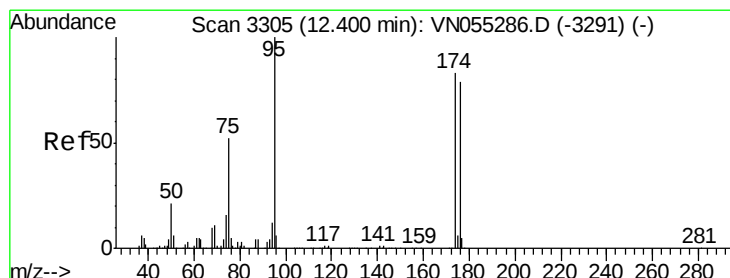
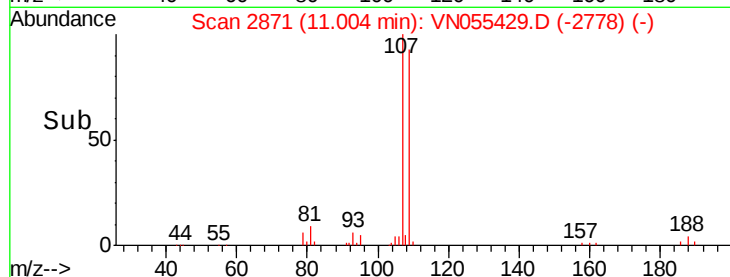
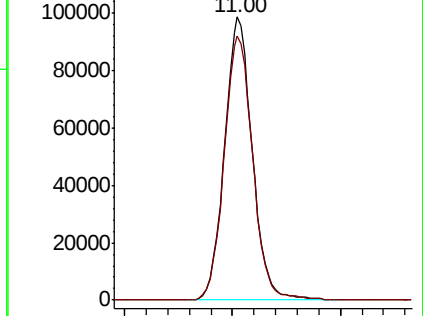
107 100

109 96.1 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.967 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

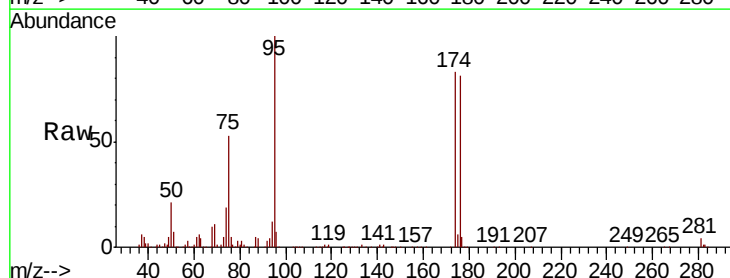
Tgt Ion: 95 Resp: 240744

Ion Ratio Lower Upper

95 100

174 83.3 0.0 166.6

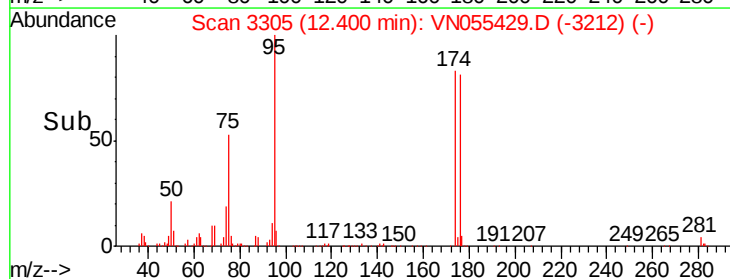
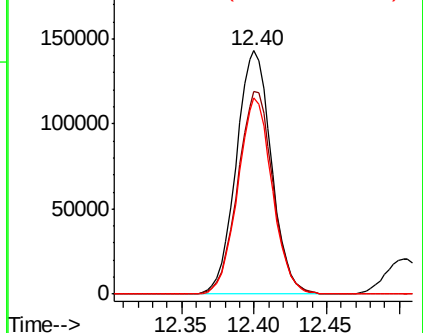
176 79.1 0.0 157.8

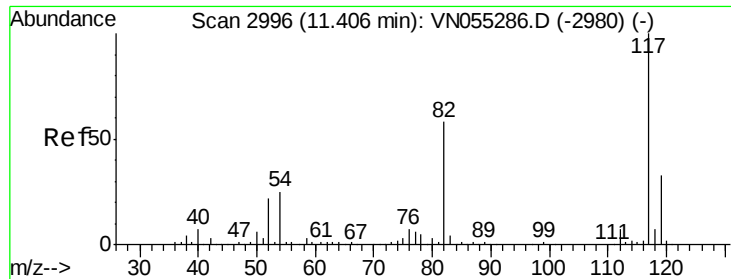


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

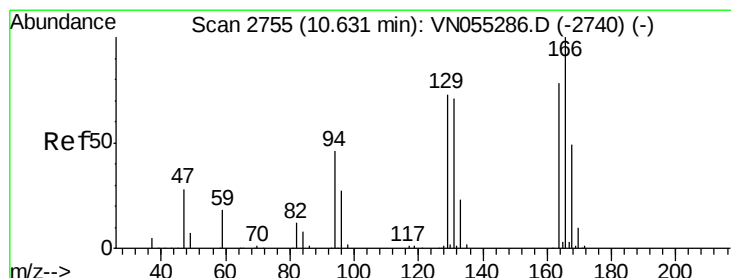
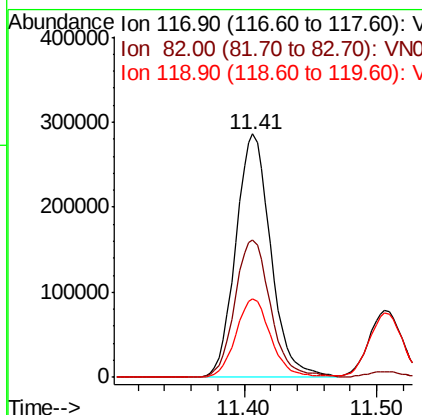
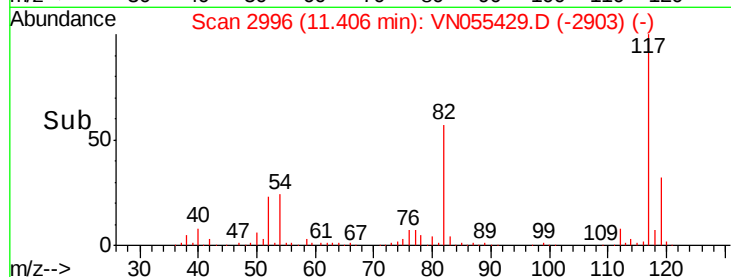
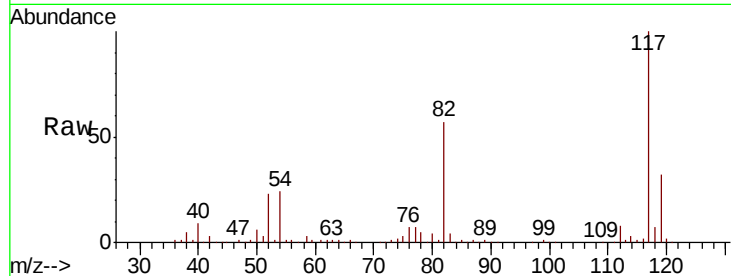




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

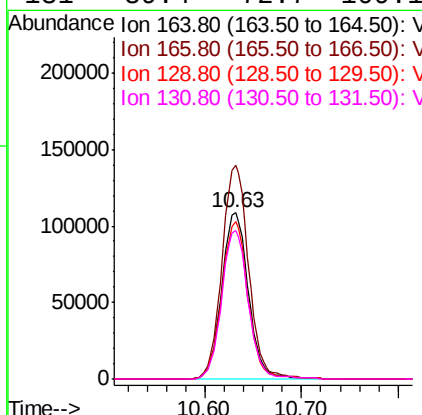
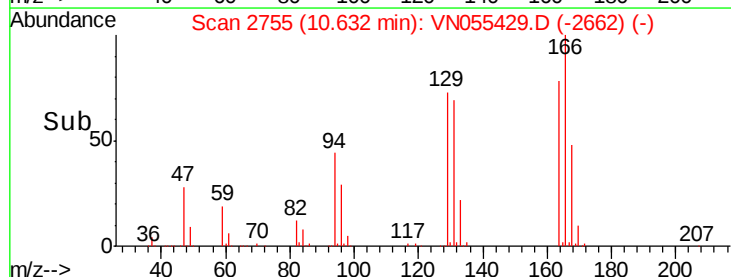
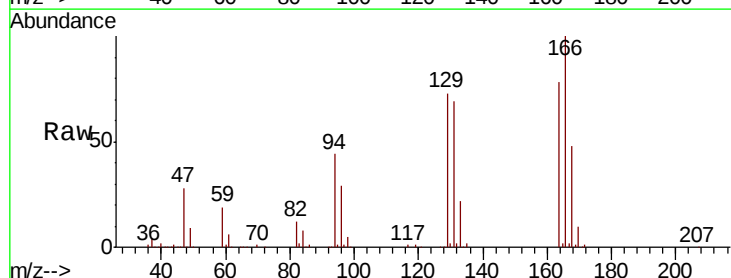
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

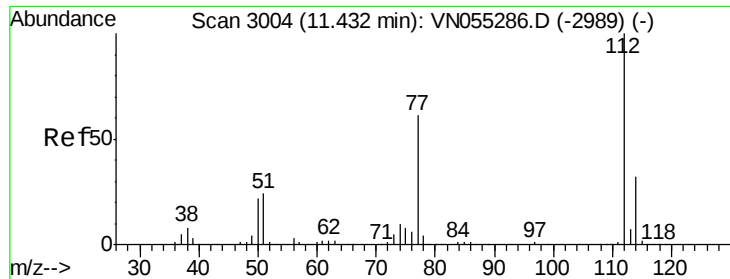
Tot Ion:117 Resp: 525734
Ion Ratio Lower Upper
117 100
82 56.7 46.2 69.4
119 32.4 26.6 40.0



#64
Tetrachloroethene
Concen: 48.496 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion:164 Resp: 208498
Ion Ratio Lower Upper
164 100
166 128.7 102.3 153.5
129 94.6 75.0 112.6
131 89.4 72.7 109.1

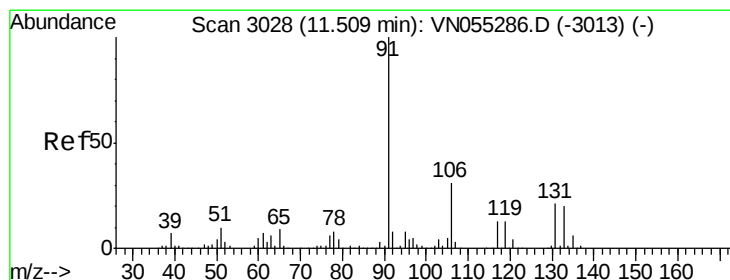
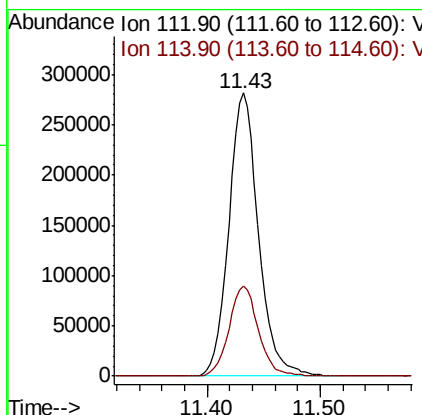
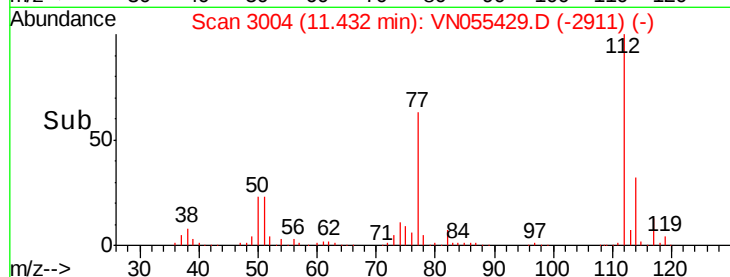
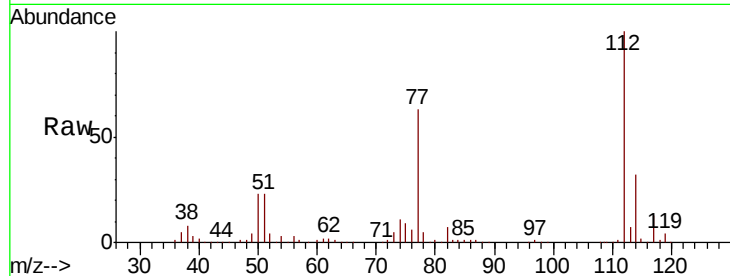




#65
Chlorobenzene
Concen: 49.845 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

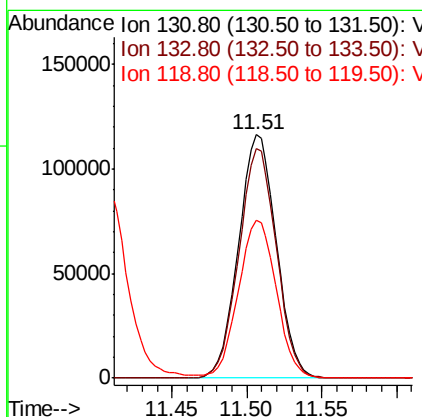
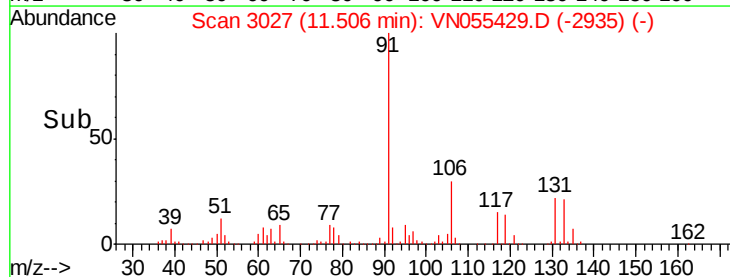
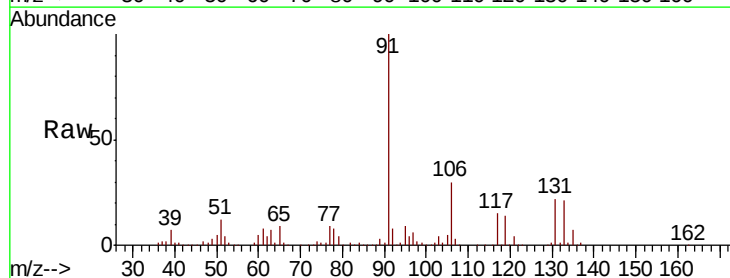
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

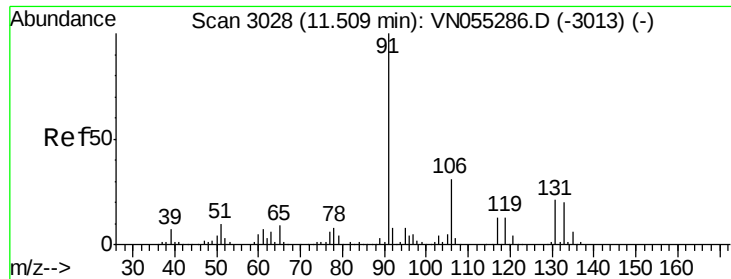
Tot Ion:112 Resp: 512345
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 50.616 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion:131 Resp: 203722
Ion Ratio Lower Upper
131 100
133 93.9 47.5 142.6
119 65.5 32.7 98.1

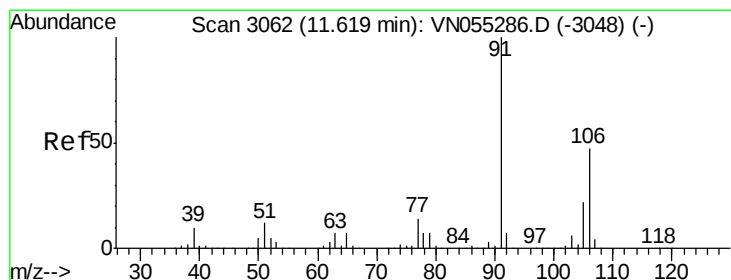
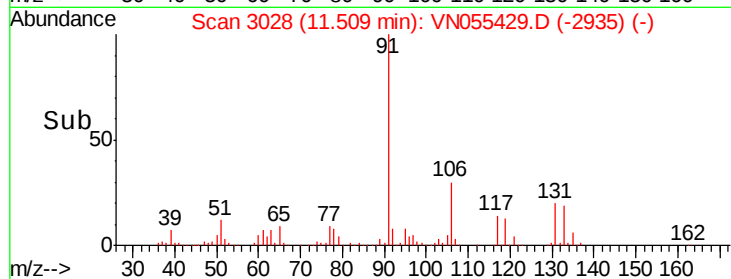
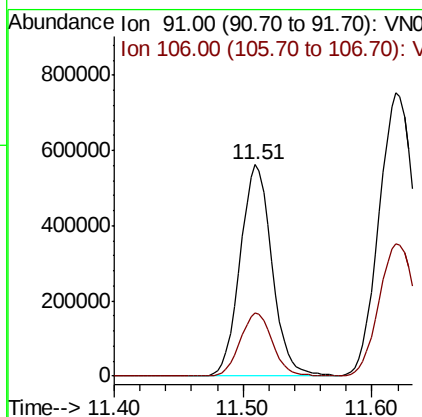
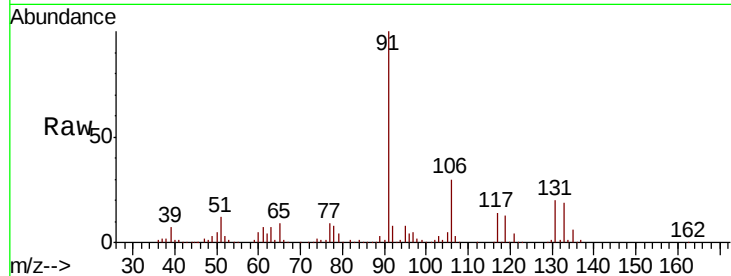




#67
Ethyl Benzene
Concen: 52.136 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

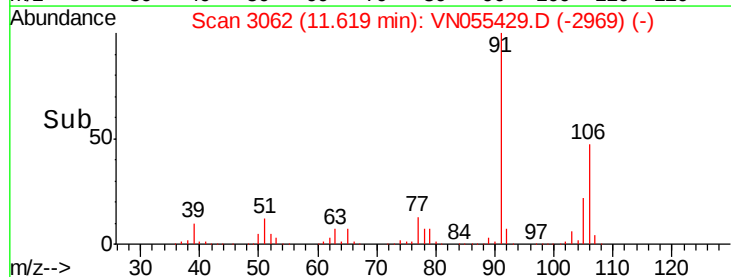
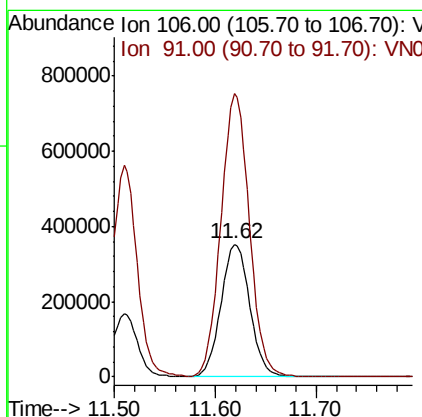
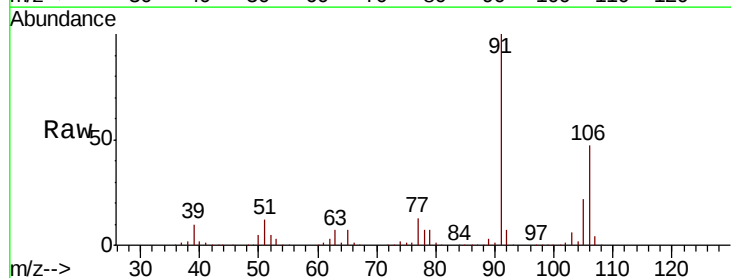
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

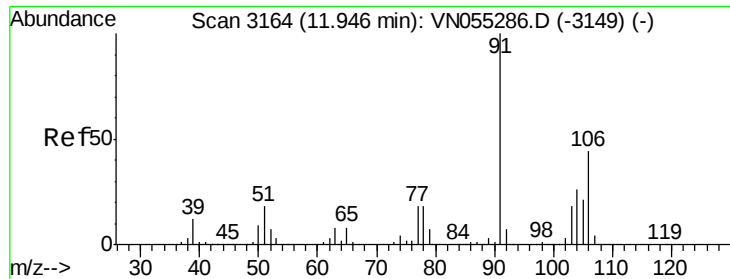
Tot Ion: 91 Resp: 967725
Ion Ratio Lower Upper
91 100
106 30.0 24.6 36.8



#68
m/p-Xylenes
Concen: 106.105 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion: 106 Resp: 702985
Ion Ratio Lower Upper
106 100
91 210.6 169.5 254.3

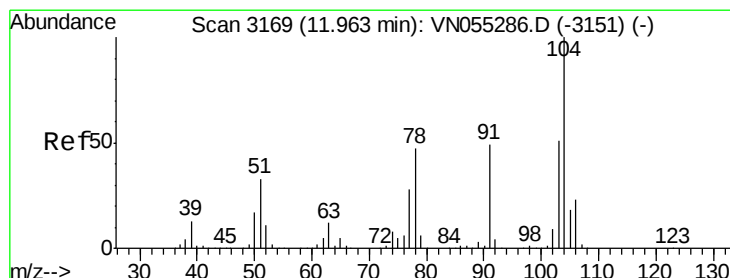
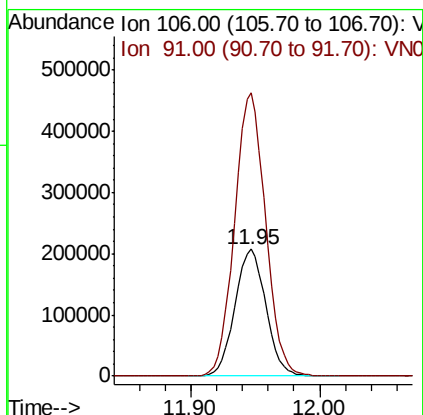
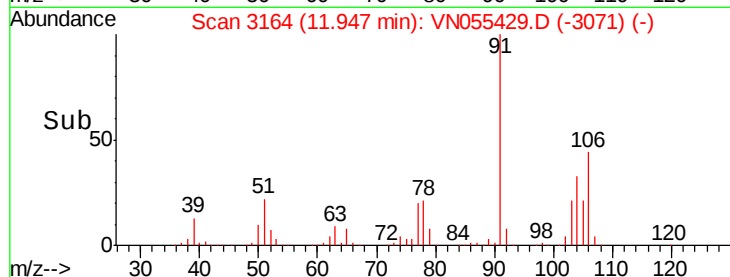
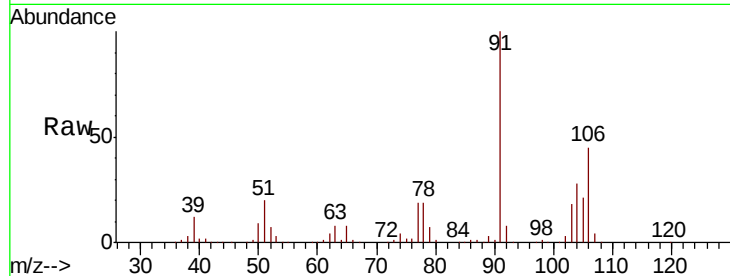




#69
o-Xylene
Concen: 52.712 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

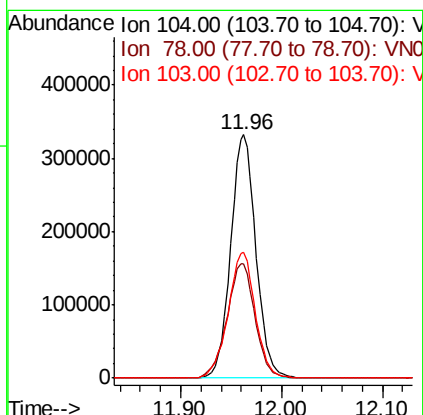
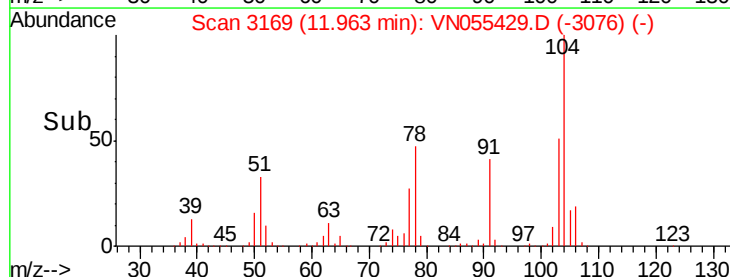
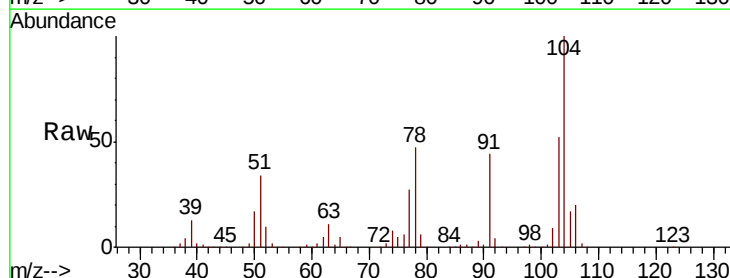
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

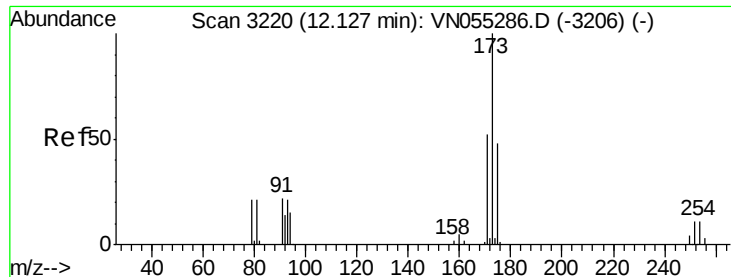
Tot Ion:106 Resp: 346154
Ion Ratio Lower Upper
106 100
91 223.2 111.5 334.5



#70
Styrene
Concen: 57.324 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion:104 Resp: 577982
Ion Ratio Lower Upper
104 100
78 52.3 42.2 63.2
103 55.6 44.6 67.0





#71

Bromoform

Concen: 57.333 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

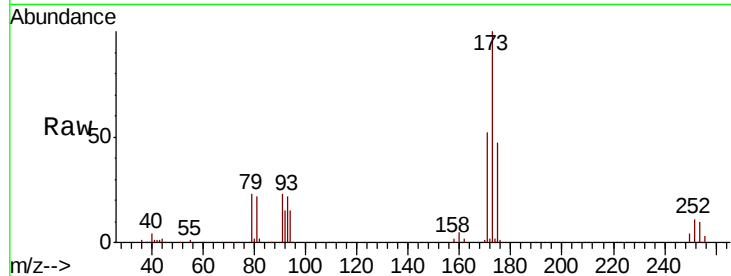
Tot Ion:173 Resp: 128045

Ion Ratio Lower Upper

173 100

175 46.8 23.6 71.0

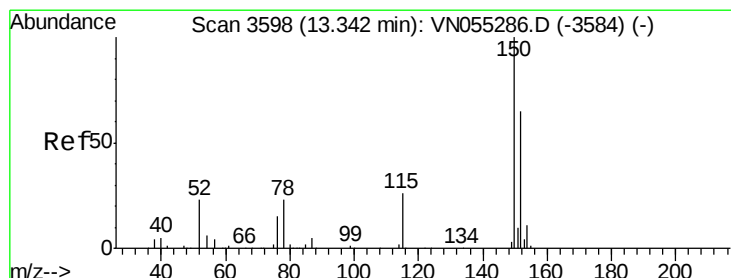
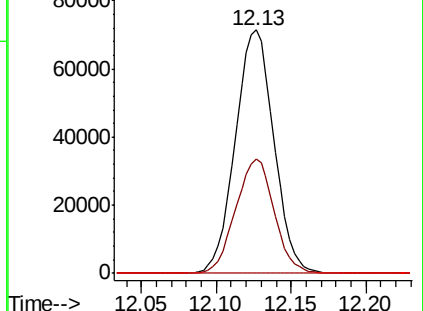
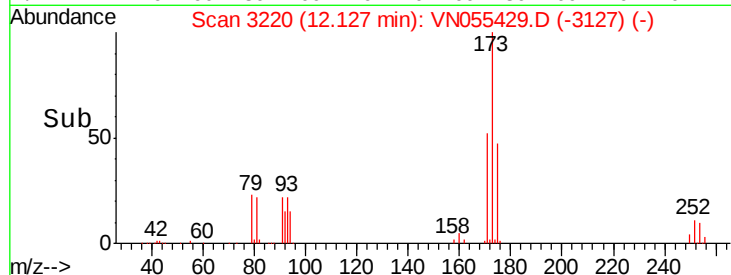
254 0.2 0.0 0.0#



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: VN055429.D

Acq: 7 May 2019 11:37

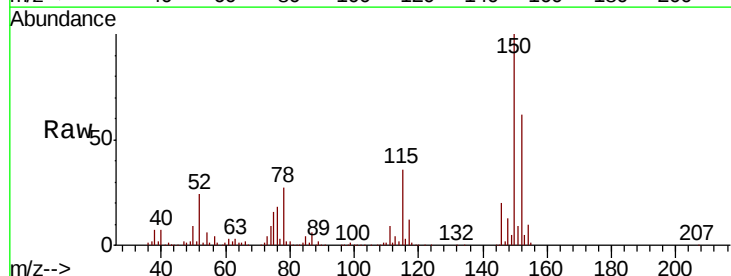
Tgt Ion:152 Resp: 226463

Ion Ratio Lower Upper

152 100

115 58.9 29.0 87.0

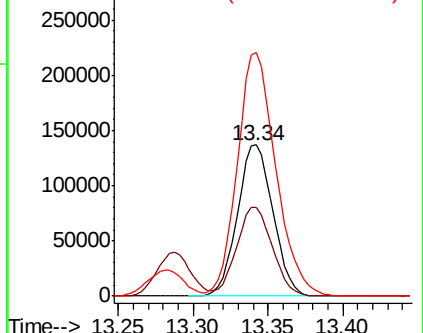
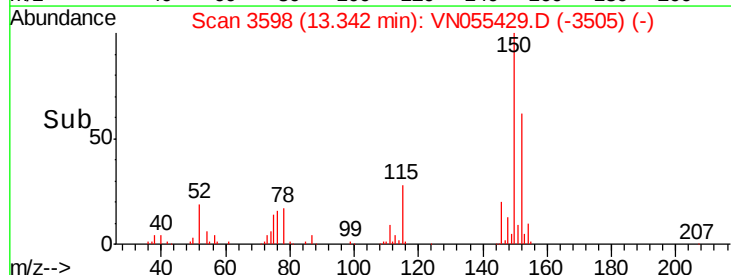
150 174.5 0.0 345.6

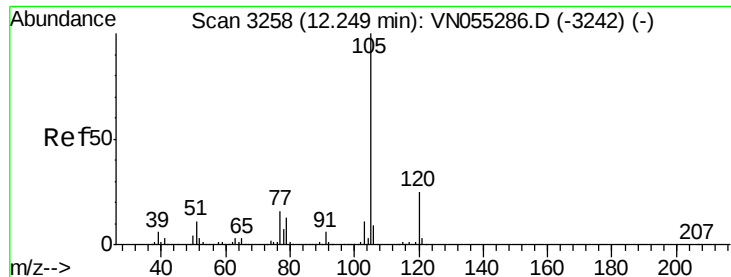


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.723 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

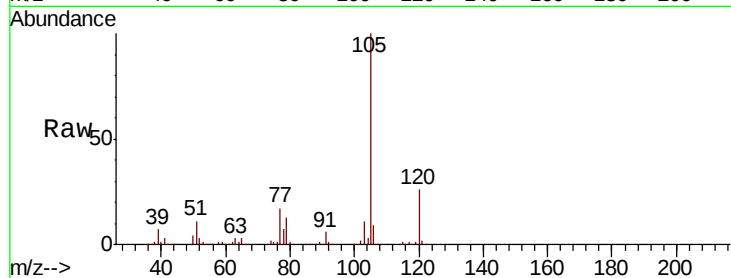
VSTDCCC050

Tot Ion:105 Resp: 946942

Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

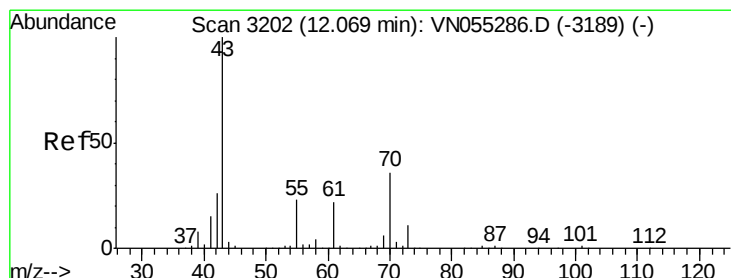
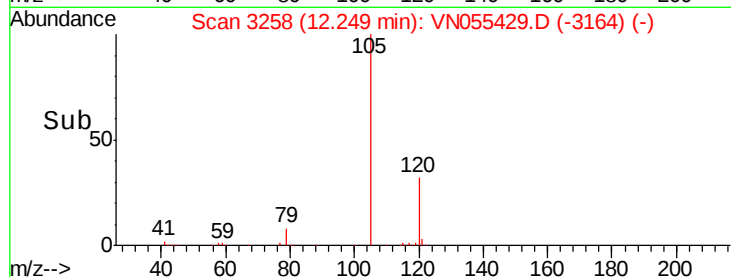
0

12.25

12.20

12.30

Time-->



#74

N-ethyl acetate

Concen: 53.736 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Tgt Ion: 43 Resp: 312307

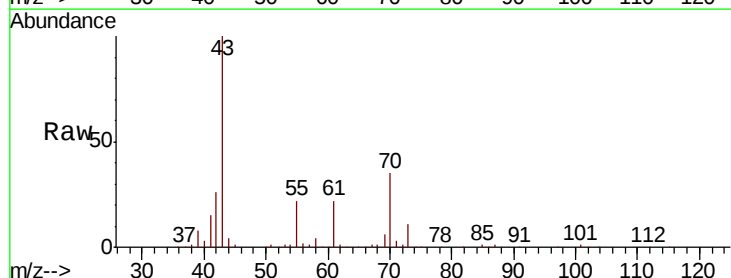
Ion Ratio Lower Upper

43 100

70 35.1 27.9 41.9

55 22.3 18.2 27.2

61 21.2 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

300000

250000

200000

150000

100000

50000

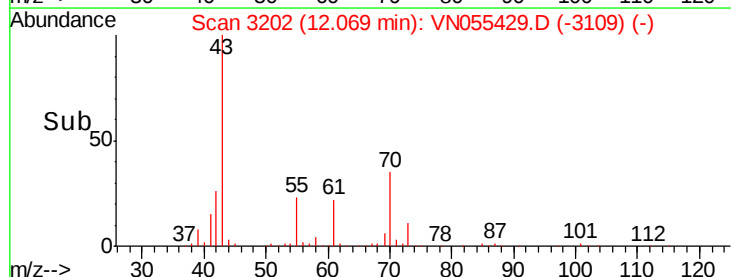
0

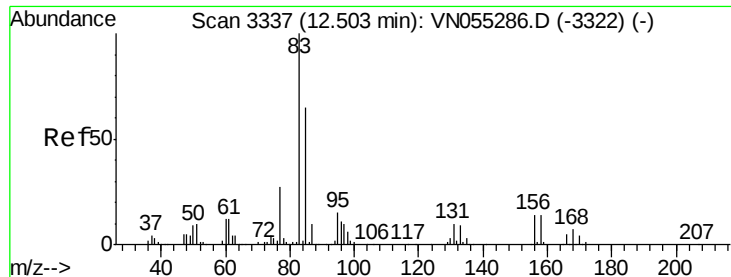
12.07

12.00

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.418 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

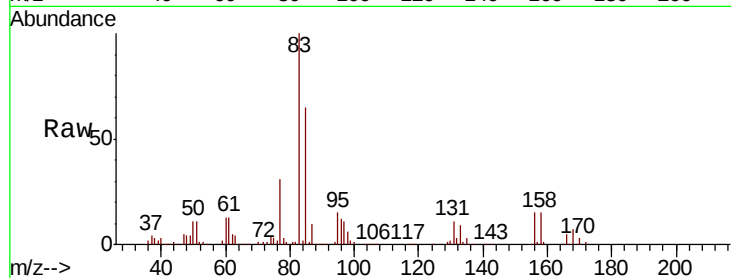
Tot Ion: 83 Resp: 230310

Ion Ratio Lower Upper

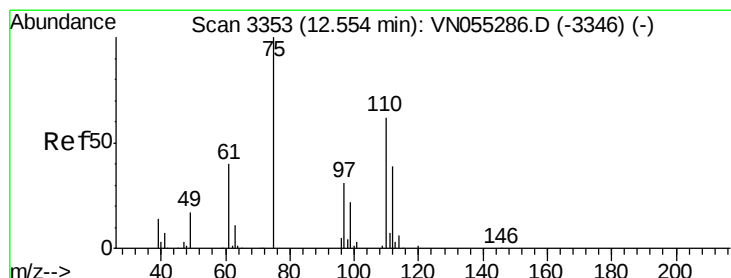
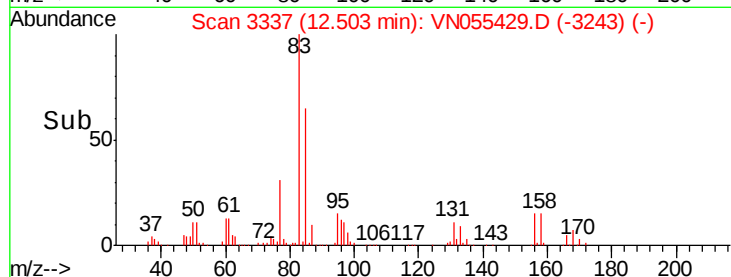
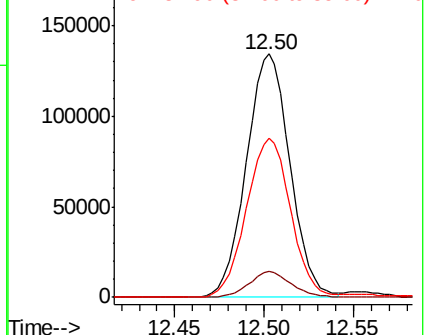
83 100

131 10.4 5.1 15.2

85 65.9 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 68.523 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055429.D

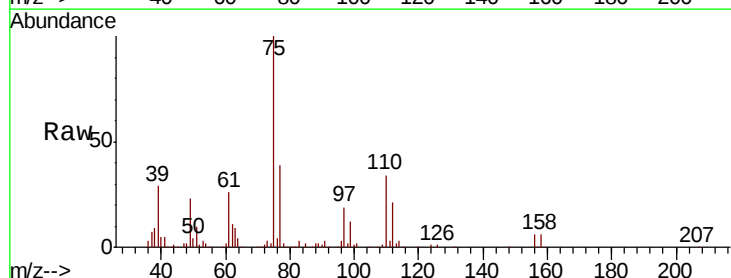
Acq: 7 May 2019 11:37

Tgt Ion: 75 Resp: 284514

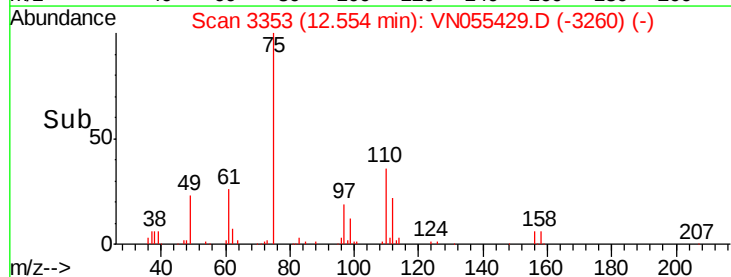
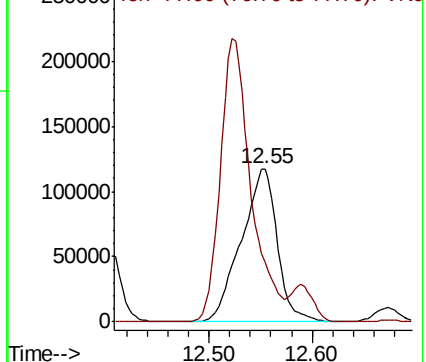
Ion Ratio Lower Upper

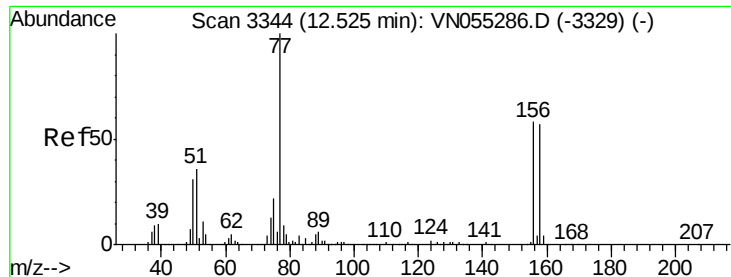
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 50.801 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

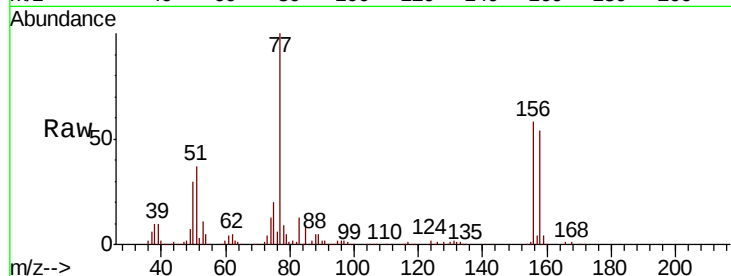
Tot Ion:156 Resp: 219308

Ion Ratio Lower Upper

156 100

77 205.2 99.6 298.8

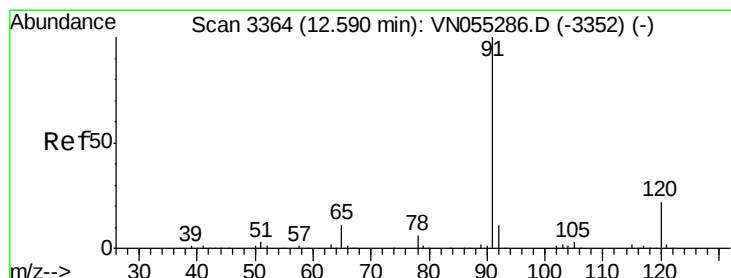
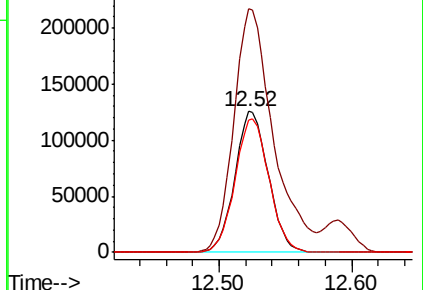
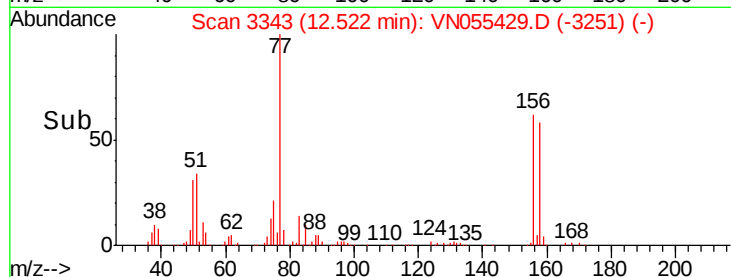
158 96.7 49.3 147.8



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: 46.789 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055429.D

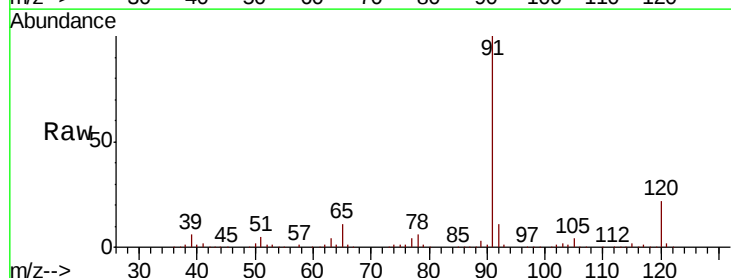
Acq: 7 May 2019 11:37

Tgt Ion: 91 Resp: 1088438

Ion Ratio Lower Upper

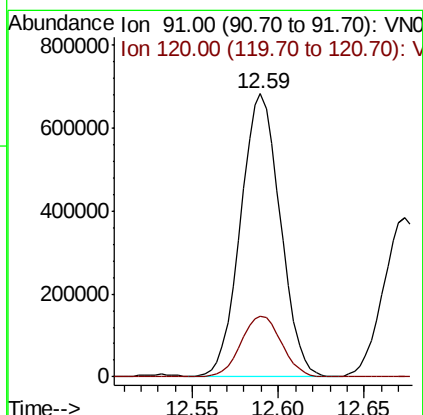
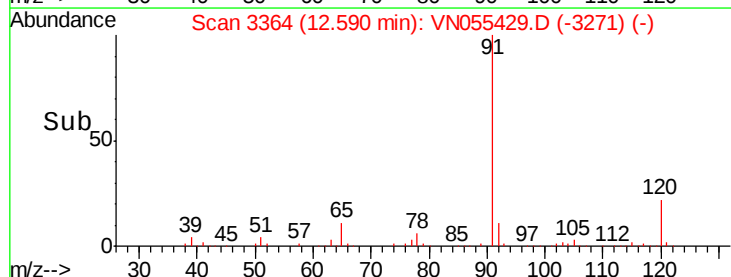
91 100

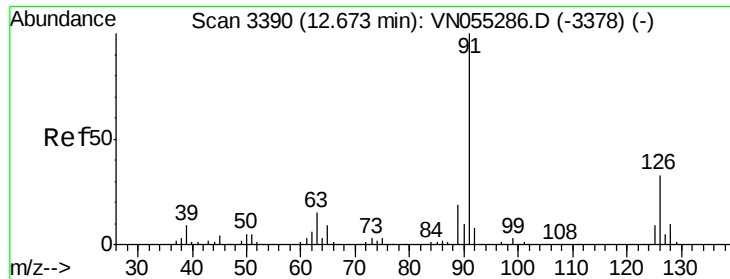
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.810 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

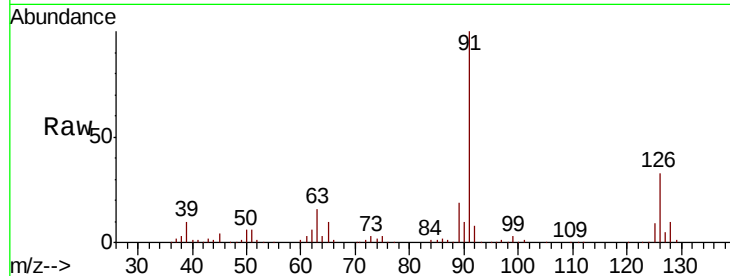
VSTDCCC050

Tot Ion: 91 Resp: 646314

Ion Ratio Lower Upper

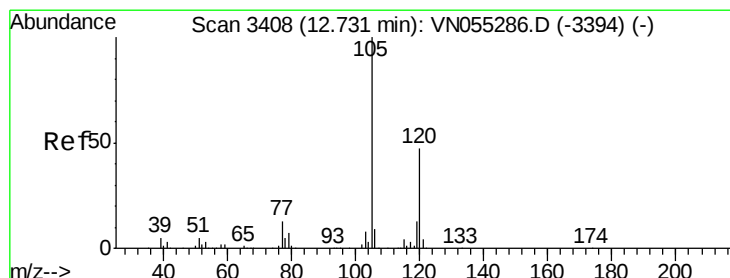
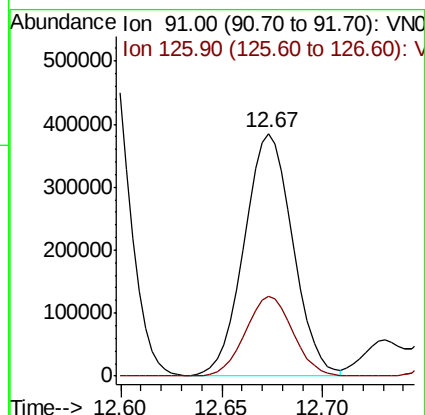
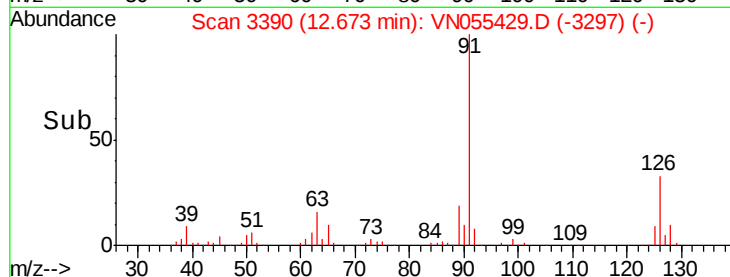
91 100

126 32.6 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN055429.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN055429.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.142 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055429.D

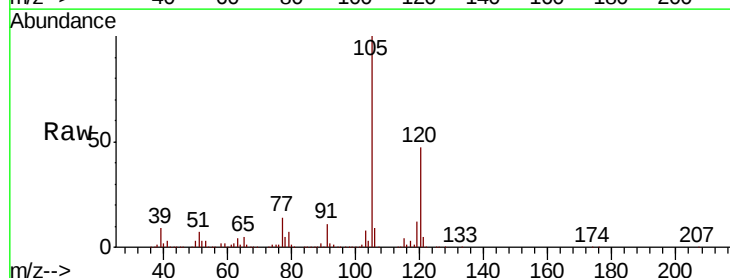
Acq: 7 May 2019 11:37

Tgt Ion: 105 Resp: 819212

Ion Ratio Lower Upper

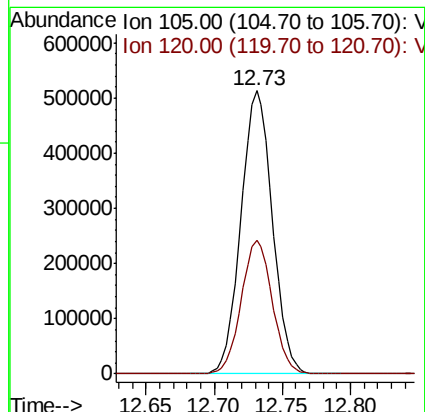
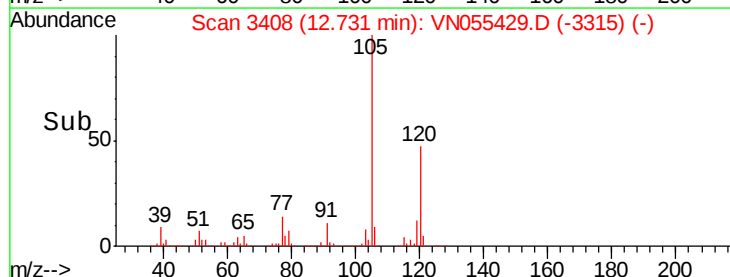
105 100

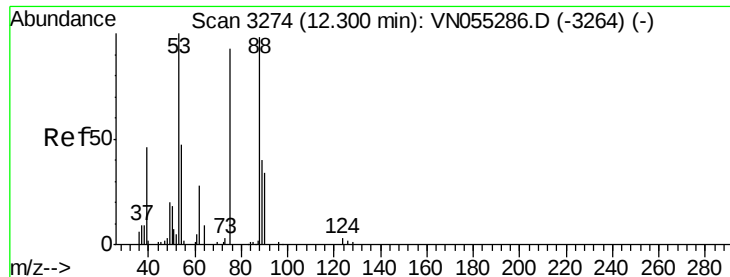
120 46.7 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055429.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN055429.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.957 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

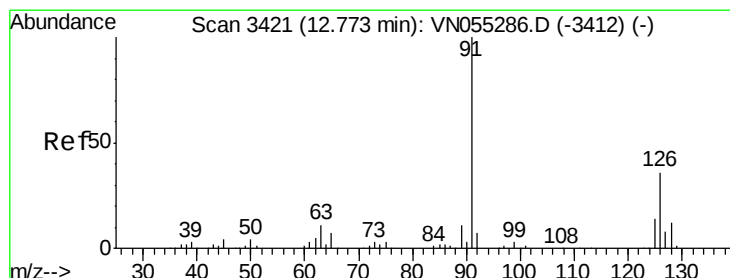
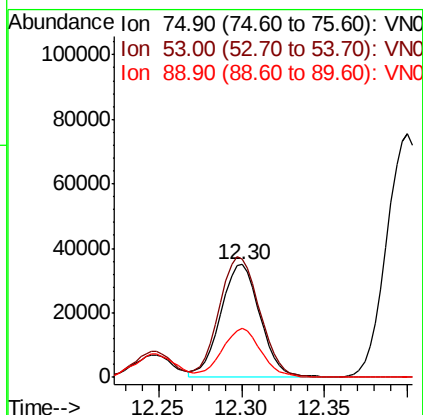
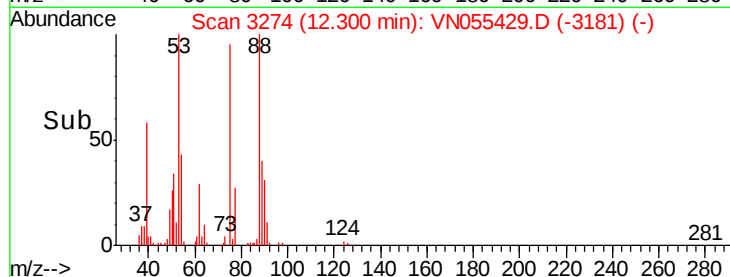
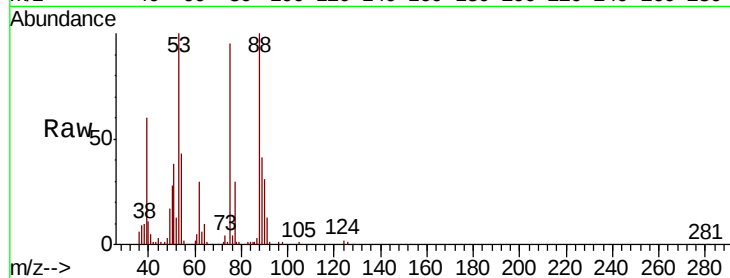
Tot Ion: 75 Resp: 58504

Ion Ratio Lower Upper

75 100

53 108.1 86.3 129.5

89 42.3 34.6 51.8



#82

4-Chlorotoluene

Concen: 46.621 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055429.D

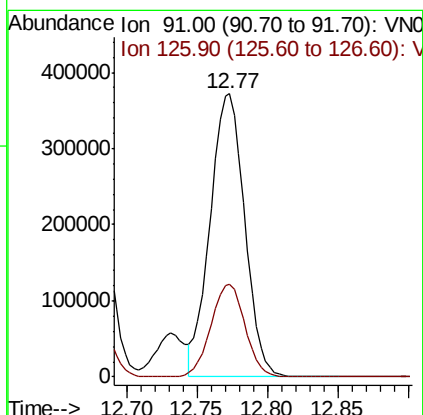
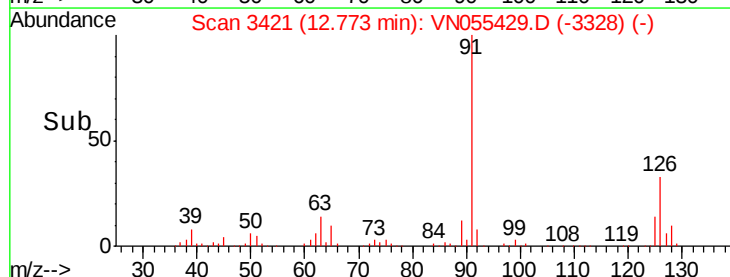
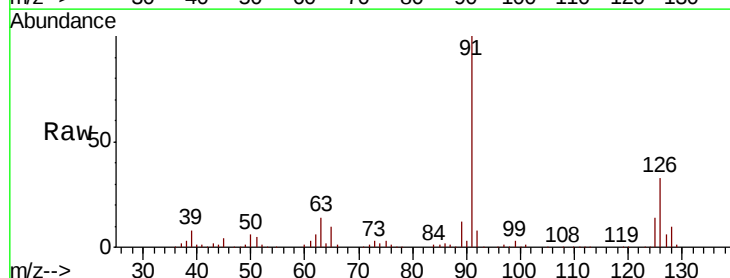
Acq: 7 May 2019 11:37

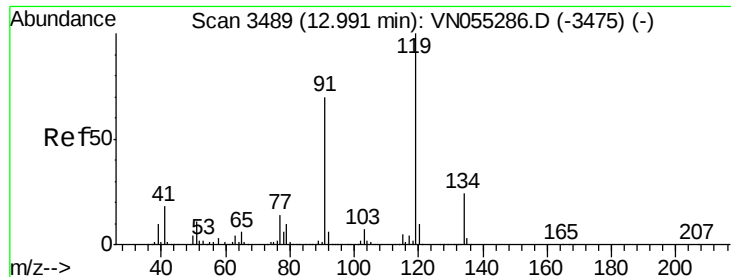
Tgt Ion: 91 Resp: 630582

Ion Ratio Lower Upper

91 100

126 32.4 16.6 49.7

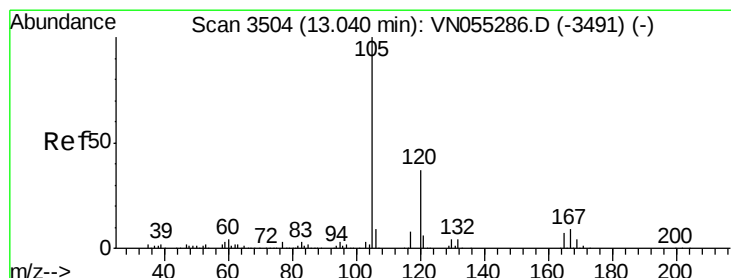
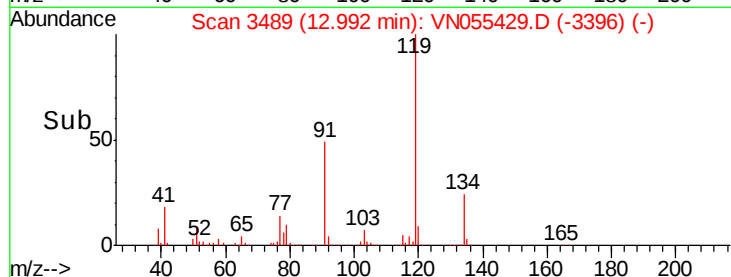
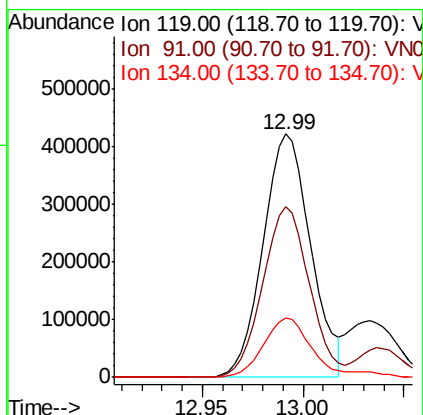
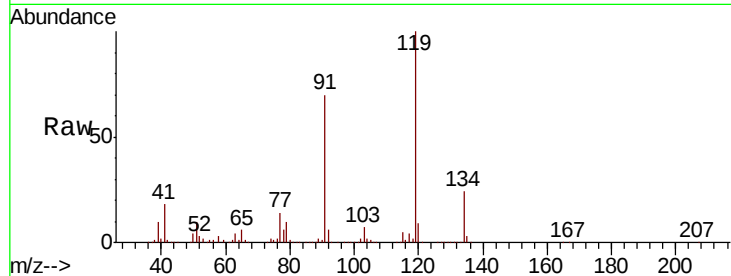




#83
 tert-Butylbenzene
 Concen: 55.575 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

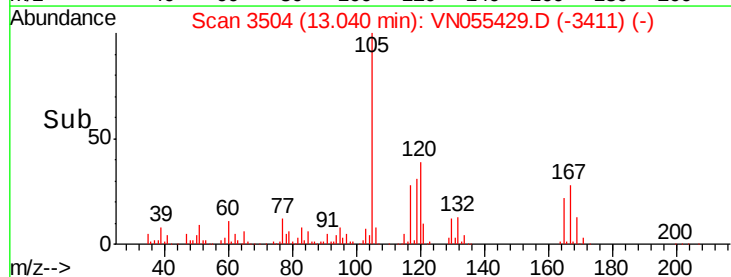
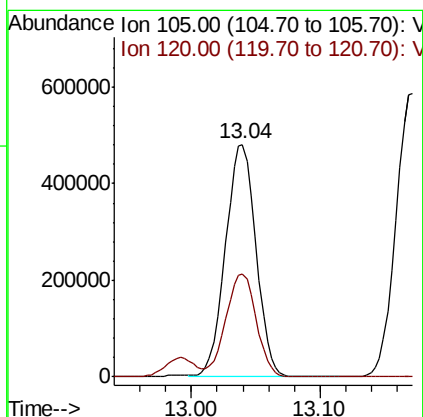
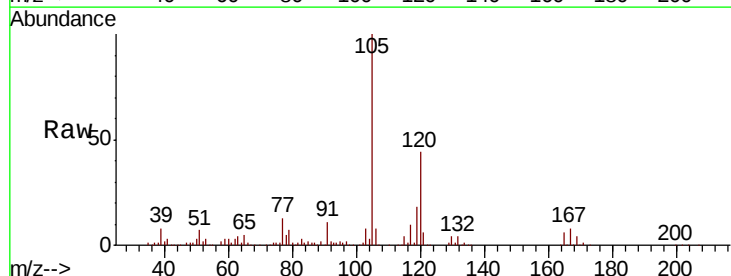
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

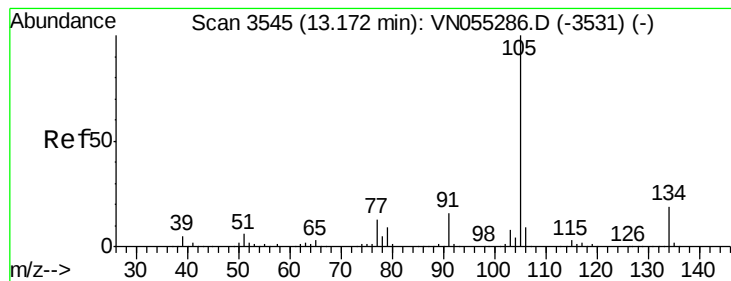
Tot Ion:119 Resp: 694314
 Ion Ratio Lower Upper
 119 100
 91 68.7 34.3 102.9
 134 25.5 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 49.621 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Tgt Ion:105 Resp: 787891
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.1 66.5





#85

sec-Butylbenzene

Concen: 48.413 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

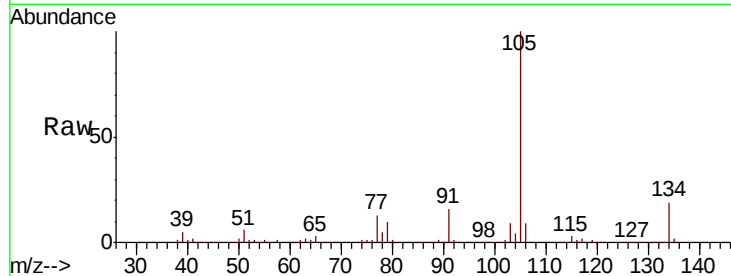
VSTDCCC050

Tot Ion:105 Resp: 934222

Ion Ratio Lower Upper

105 100

134 19.4 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

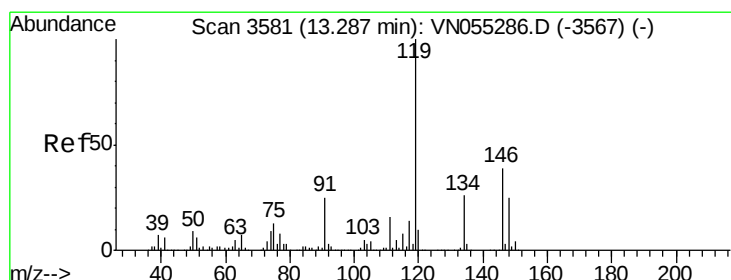
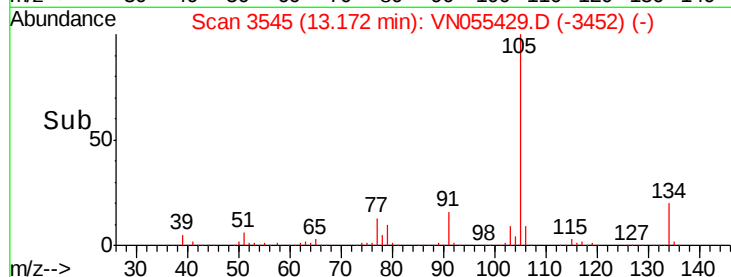
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.697 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

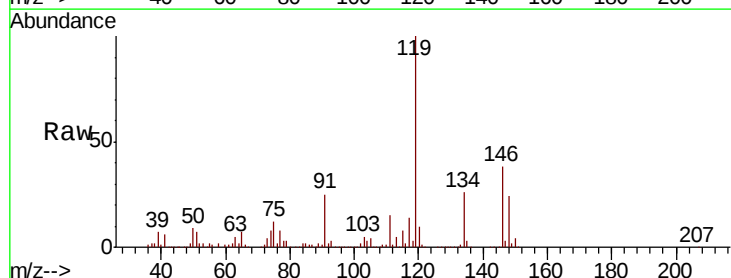
Tgt Ion:119 Resp: 819936

Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

91 24.7 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

13.29

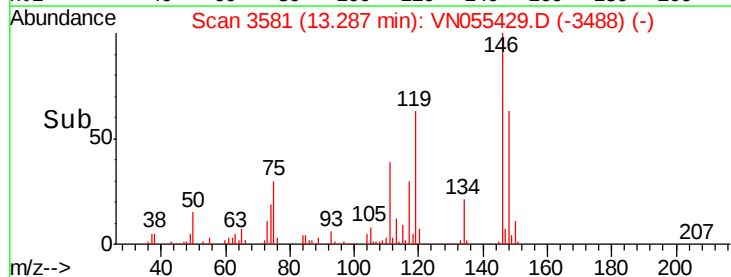
600000

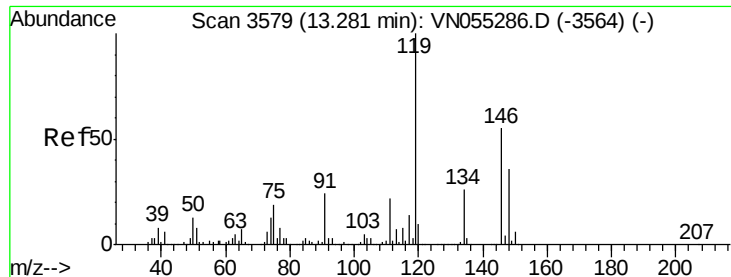
400000

200000

0

Time-->

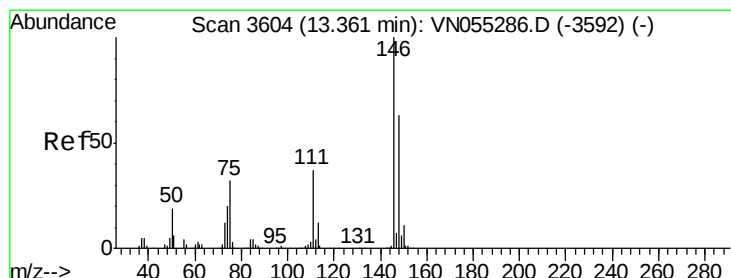
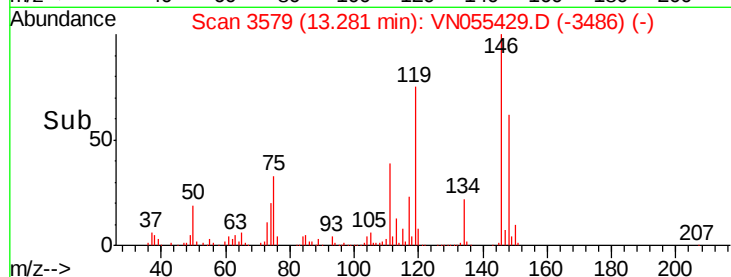
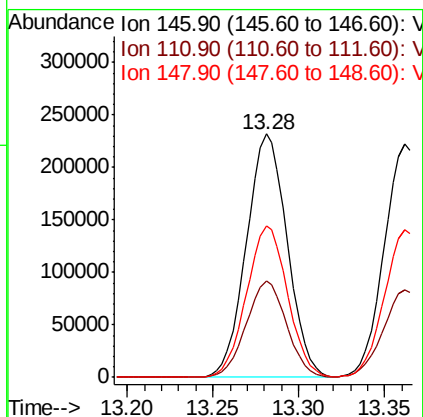
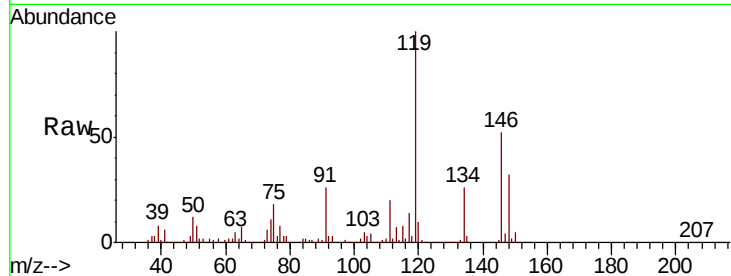




#87
 1,3-Dichlorobenzene
 Concen: 50.369 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

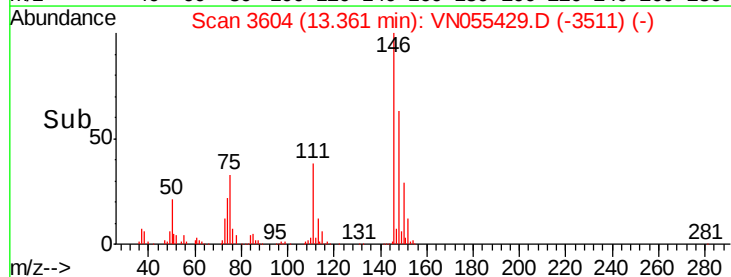
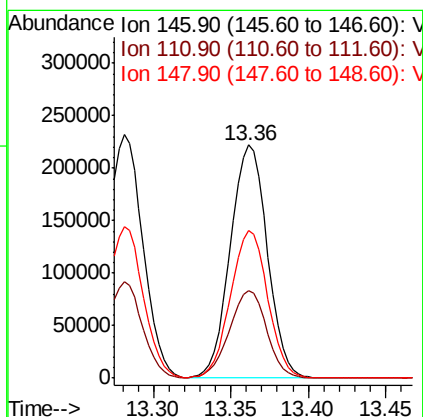
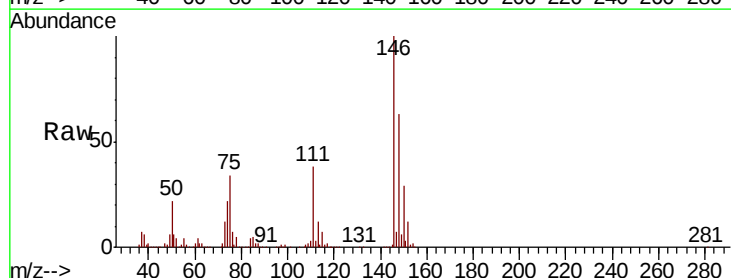
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

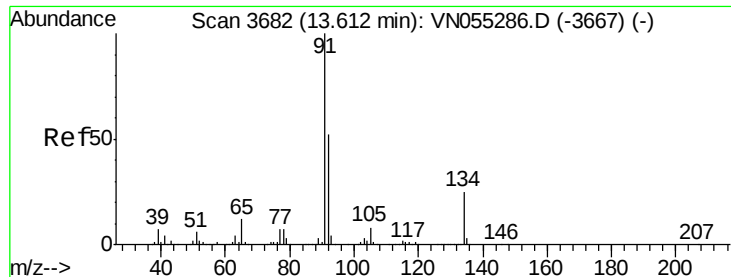
Tot Ion:146 Resp: 381696
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.3 60.8
 148 62.6 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 51.653 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Tgt Ion:146 Resp: 368618
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.5 58.5
 148 63.5 32.5 97.4

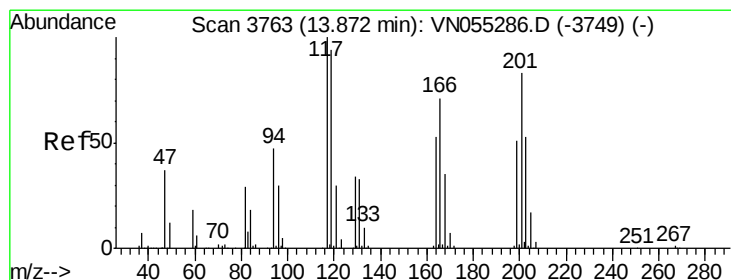
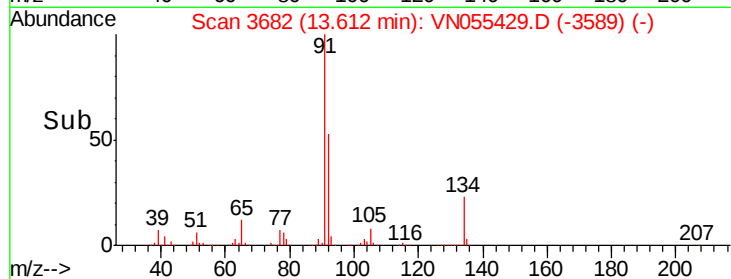
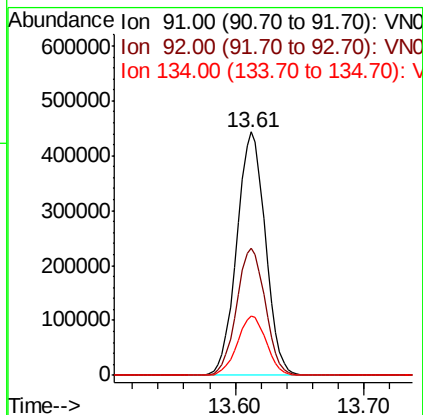
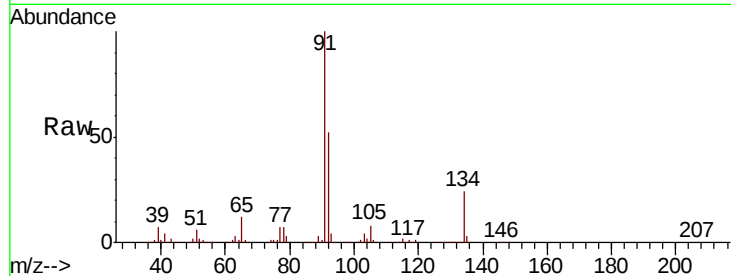




#89
n-Butylbenzene
Concen: 60.528 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

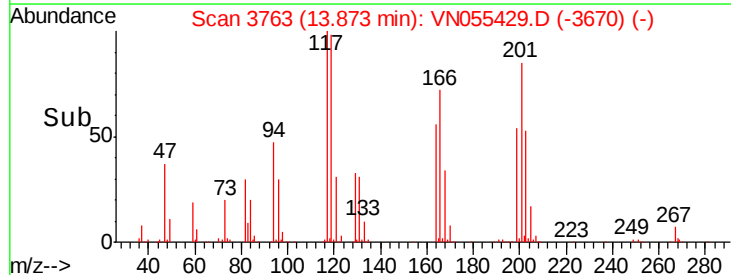
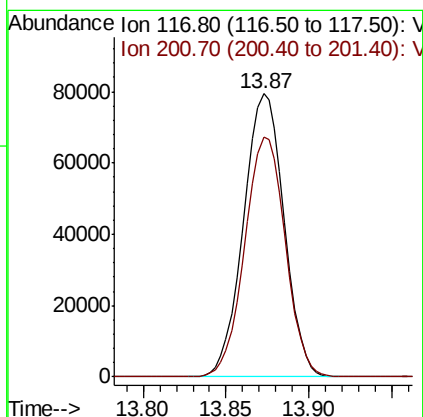
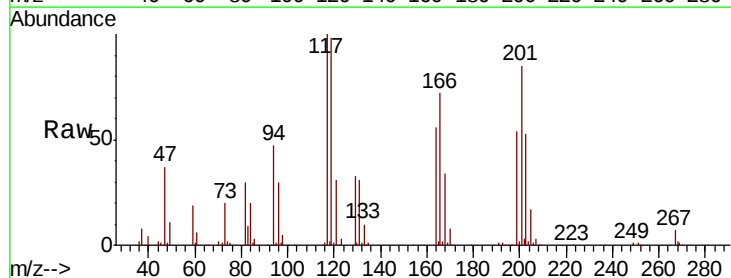
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

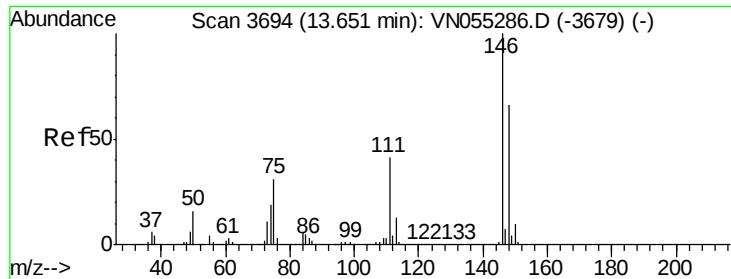
Tot Ion: 91 Resp: 682162
Ion Ratio Lower Upper
91 100
92 52.2 26.1 78.3
134 24.7 12.4 37.4



#90
Hexachloroethane
Concen: 54.013 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion: 117 Resp: 135324
Ion Ratio Lower Upper
117 100
201 85.0 41.9 125.8





#91

1,2-Dichlorobenzene

Concen: 49.743 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

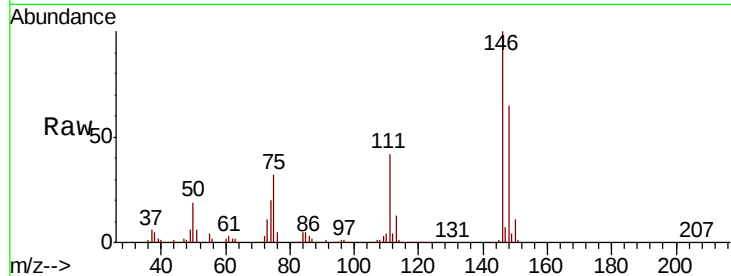
Tot Ion:146 Resp: 373608

Ion Ratio Lower Upper

146 100

111 41.4 20.3 61.0

148 64.7 32.4 97.2

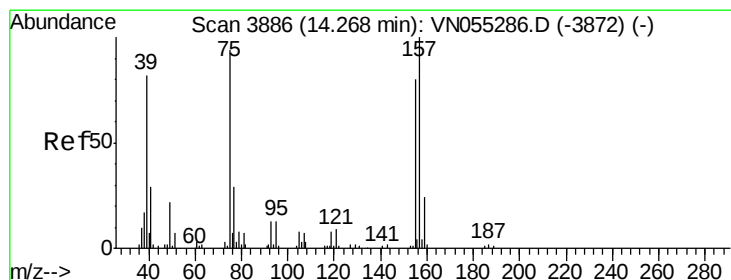
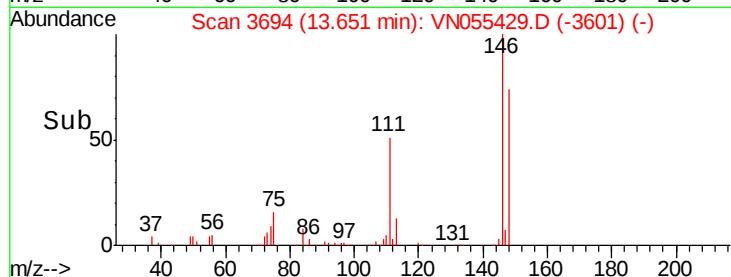
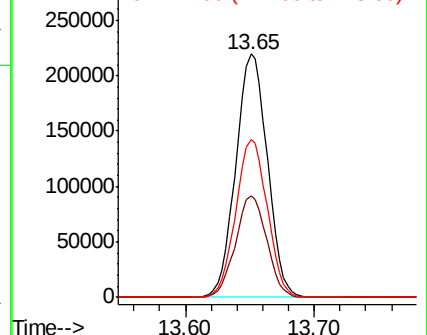


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 59.956 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

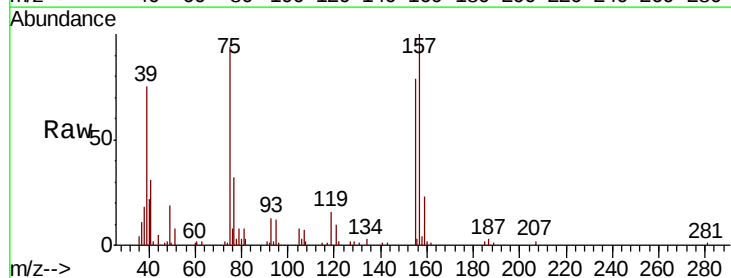
Tgt Ion: 75 Resp: 35721

Ion Ratio Lower Upper

75 100

155 80.9 41.5 124.6

157 103.3 54.0 162.2

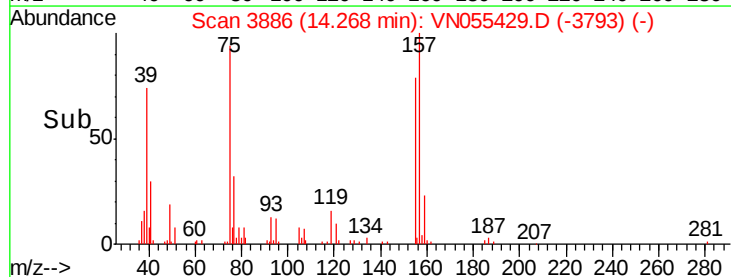
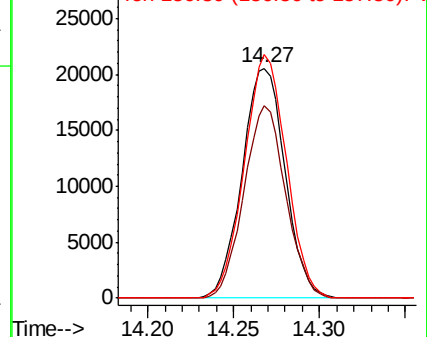


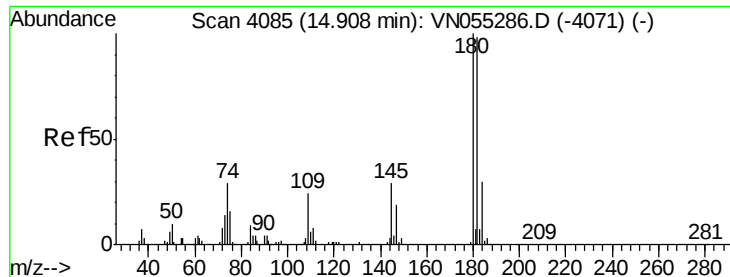
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

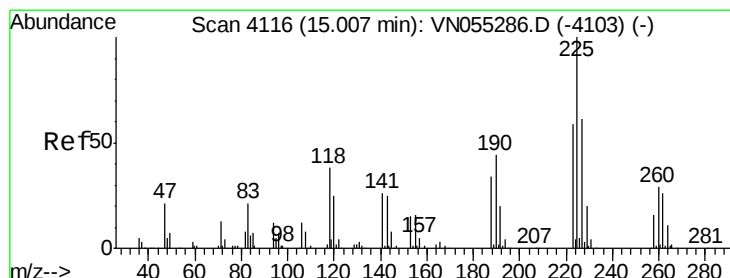
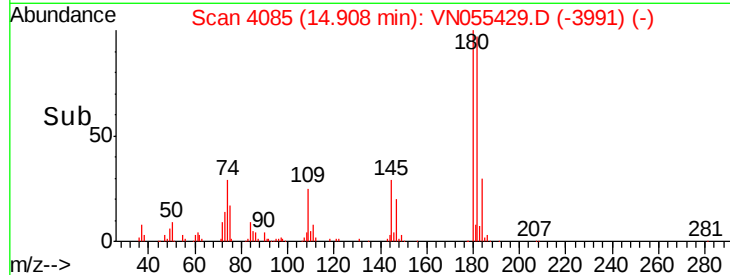
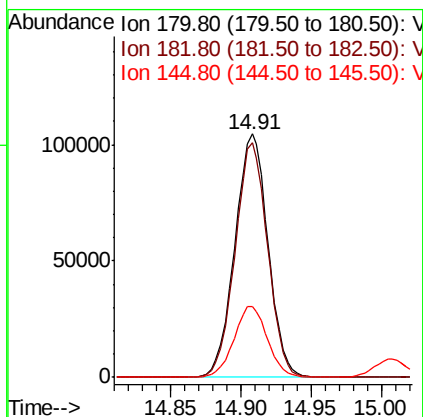
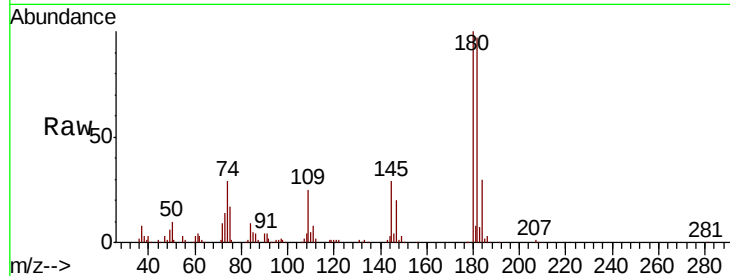




#93
 1,2,4-Trichlorobenzene
 Concen: 57.562 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

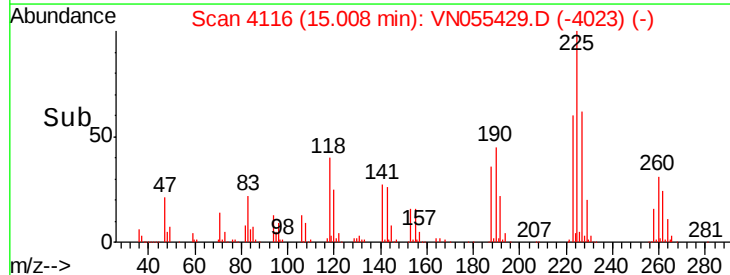
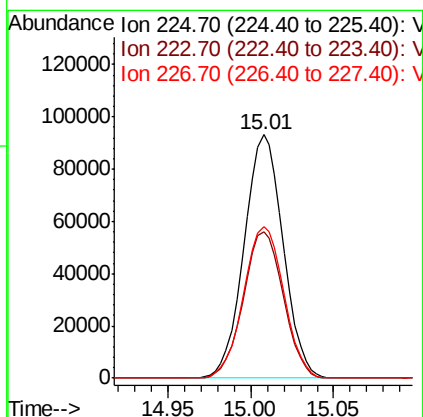
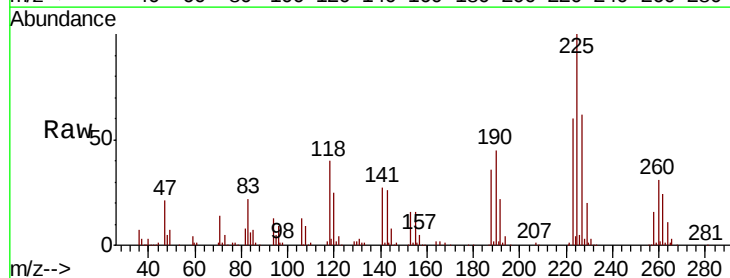
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

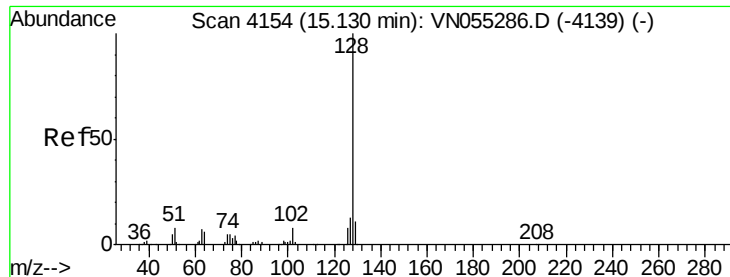
Tot Ion:180 Resp: 172028
 Ion Ratio Lower Upper
 180 100
 182 94.6 48.3 144.9
 145 29.5 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 68.361 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Tgt Ion:225 Resp: 152178
 Ion Ratio Lower Upper
 225 100
 223 61.9 30.3 90.8
 227 64.5 30.9 92.7





#95

Naphthalene

Concen: 50.316 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

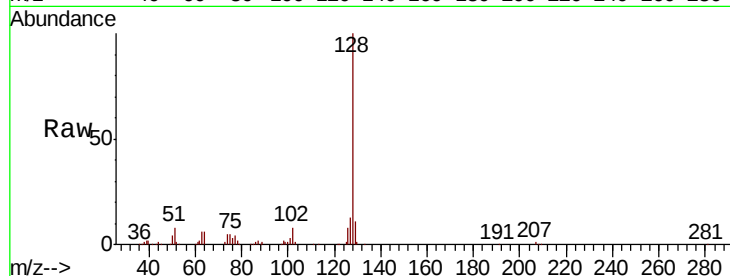
Tot Ion:128 Resp: 316868

Ion Ratio Lower Upper

128 100

127 13.0 10.7 16.1

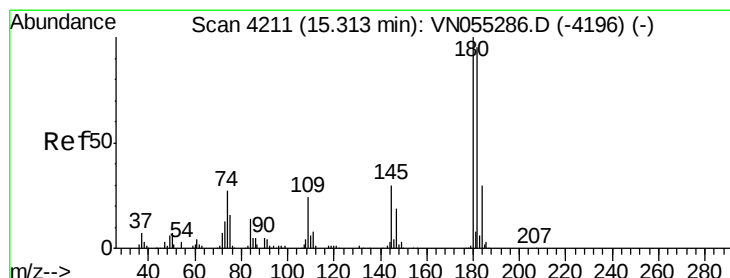
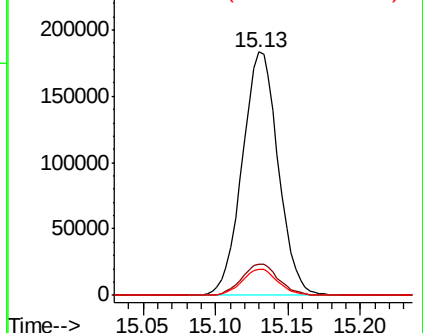
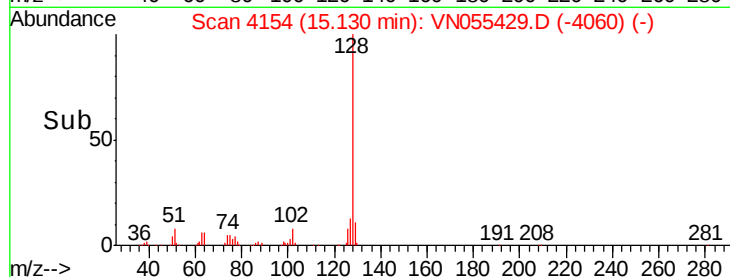
129 10.7 8.6 13.0



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: 57.461 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

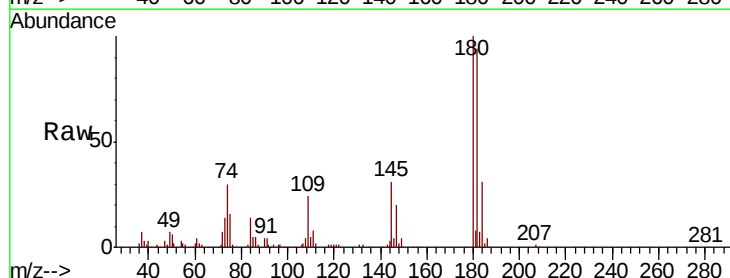
Tgt Ion:180 Resp: 168757

Ion Ratio Lower Upper

180 100

182 96.8 48.3 144.9

145 30.8 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

