

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055450.D
 Acq On : 7 May 2019 20:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: May 08 05:52:55 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	352151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	583656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	505517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	214295	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	246081	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	
35) Dibromofluoromethane	7.59	113	191334	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
50) Toluene-d8	10.09	98	677628	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.40	95	242104	56.00	ug/l	0.00
Spiked Amount			Recovery	=	112.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	197626	45.804	ug/l	100
3) Chloromethane	2.06	50	237204	44.399	ug/l	100
4) Vinyl Chloride	2.19	62	195992	45.510	ug/l	98
5) Bromomethane	2.55	94	138012	60.501	ug/l	98
6) Chloroethane	2.70	64	109400	46.893	ug/l	99
7) Trichlorofluoromethane	3.02	101	277615	45.334	ug/l	100
8) Diethyl Ether	3.41	74	122713	57.276	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	179417	49.201	ug/l	100
10) Methyl Iodide	3.96	142	245402	47.818	ug/l	99
11) Tert butyl alcohol	4.79	59	113447	430.115	ug/l	99
12) 1,1-Dichloroethene	3.74	96	169832	48.821	ug/l	99
13) Acrolein	3.61	56	73468	356.664	ug/l	99
14) Allyl chloride	4.33	41	386322	53.621	ug/l	97
15) Acrylonitrile	4.99	53	506342	341.531	ug/l	100
16) Acetone	3.82	43	409489	285.266	ug/l	99
17) Carbon Disulfide	4.06	76	354023	38.996	ug/l	99
18) Methyl Acetate	4.33	43	263313	75.836	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	603812	61.743	ug/l	99
20) Methylene Chloride	4.55	84	215362	49.153	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	176889	48.013	ug/l	98
22) Diisopropyl ether	5.96	45	830978	58.050	ug/l	99
23) Vinyl Acetate	5.90	43	2991806	318.888	ug/l	99
24) 1,1-Dichloroethane	5.85	63	403835	52.947	ug/l	99
25) 2-Butanone	6.84	43	654398	356.471	ug/l	100
26) 2,2-Dichloropropane	6.83	77	250291	47.522	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	221808	52.943	ug/l	99
28) Bromochloromethane	7.20	49	197794	51.447	ug/l	97
29) Tetrahydrofuran	7.21	42	435108	370.149	ug/l	98
30) Chloroform	7.37	83	386836	53.503	ug/l	98
31) Cyclohexane	7.66	56	330265	45.575	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	309724	52.782	ug/l	99
36) 1,1-Dichloropropene	7.80	75	264201	47.259	ug/l	99
37) Ethyl Acetate	6.93	43	272619	63.627	ug/l	98
38) Carbon Tetrachloride	7.78	117	253564	47.019	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	285943	48.107	ug/l	98
40) Benzene	8.04	78	828226	50.255	ug/l	99
41) Methacrylonitrile	7.18	41	145503	62.557	ug/l	95
42) 1,2-Dichloroethane	8.13	62	312862	53.599	ug/l	100
43) Isopropyl Acetate	8.17	43	463530	67.318	ug/l	98
44) Trichloroethene	8.84	130	202489	48.196	ug/l	98
45) 1,2-Dichloropropane	9.12	63	242657	51.051	ug/l	98
46) Dibromomethane	9.21	93	137584	52.955	ug/l	99
47) Bromodichloromethane	9.40	83	295748	53.060	ug/l	99
48) Methyl methacrylate	9.20	41	224849	66.424	ug/l	99
49) 1,4-Dioxane	9.20	88	52744	1507.308	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1399478	360.991	ug/l	98
52) Toluene	10.16	92	484016	51.186	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	280631	57.998	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	332689	55.146	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	200521	57.106	ug/l	99
56) Ethyl methacrylate	10.43	69	282983	65.475	ug/l	98
57) 1,3-Dichloropropane	10.71	76	346696	56.282	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	395014	292.288	ug/l	99
59) 2-Hexanone	10.75	43	900966	371.435	ug/l	99
60) Dibromochloromethane	10.90	129	206794	57.622	ug/l	98
61) 1,2-Dibromoethane	11.01	107	186839	57.568	ug/l	99
64) Tetrachloroethene	10.63	164	202499	48.984	ug/l	100
65) Chlorobenzene	11.43	112	501430	50.734	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	198274	51.233	ug/l	100
67) Ethyl Benzene	11.51	91	928038	51.998	ug/l	98
68) m/p-Xylenes	11.62	106	673736	105.757	ug/l	98
69) o-Xylene	11.95	106	336957	53.364	ug/l	99
70) Styrene	11.96	104	565918	58.372	ug/l	99
71) Bromoform	12.13	173	134676	62.714	ug/l #	98
73) Isopropylbenzene	12.25	105	914161	53.856	ug/l	100
74) N-amyl acetate	12.07	43	370859	67.433	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	263942	62.990	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	316546	81.033	ug/l #	100
77) Bromobenzene	12.53	156	218092	53.505	ug/l	95
78) n-propylbenzene	12.59	91	1020573	46.363	ug/l	100
79) 2-Chlorotoluene	12.68	91	626593	54.175	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	769494	45.803	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	63946	56.549	ug/l	95
82) 4-Chlorotoluene	12.77	91	609698	47.637	ug/l	98
83) tert-Butylbenzene	12.99	119	673906	57.084	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	748891	49.843	ug/l	99
85) sec-Butylbenzene	13.17	105	875668	47.955	ug/l	99
86) p-Isopropyltoluene	13.29	119	754060	50.243	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	361261	50.379	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	349424	51.744	ug/l	99
89) n-Butylbenzene	13.62	91	599797	56.242	ug/l	99
90) Hexachloroethane	13.88	117	127032	53.569	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	370504	52.131	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40915	72.573	ug/l	97

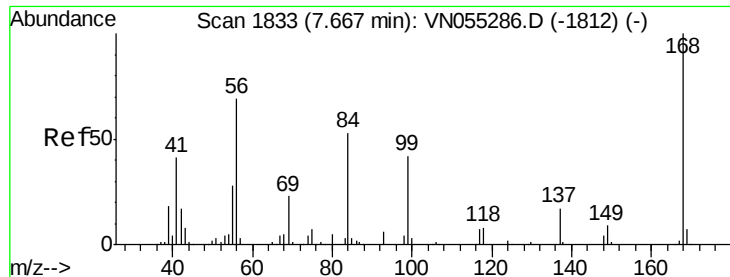
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	141361	50.422	ug/l	99
94) Hexachlorobutadiene	15.01	225	126195	59.542	ug/l	97
95) Naphthalene	15.13	128	311664	52.169	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	152191	54.886	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

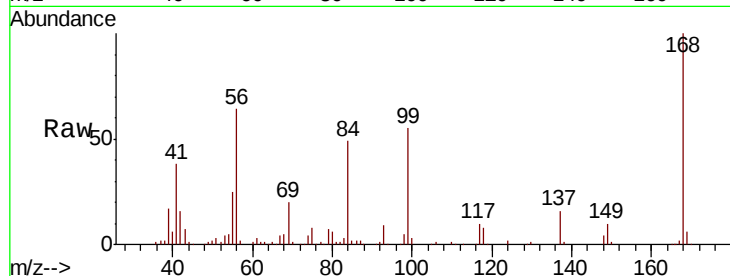
VSTDCCC050

Tot Ion:168 Resp: 352151

Ion Ratio Lower Upper

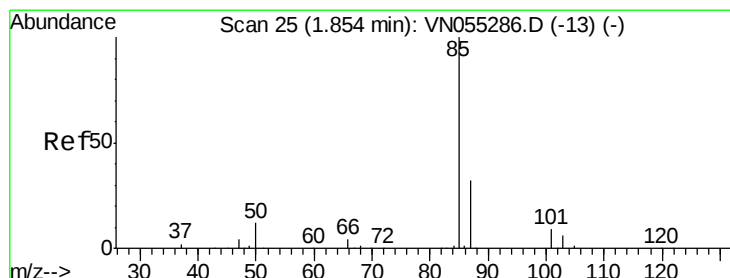
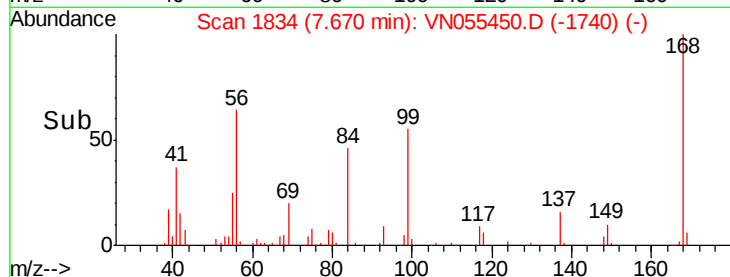
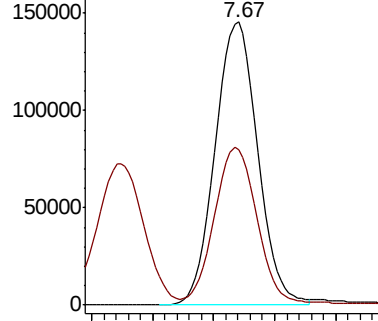
168 100

99 53.9 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 45.804 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055450.D

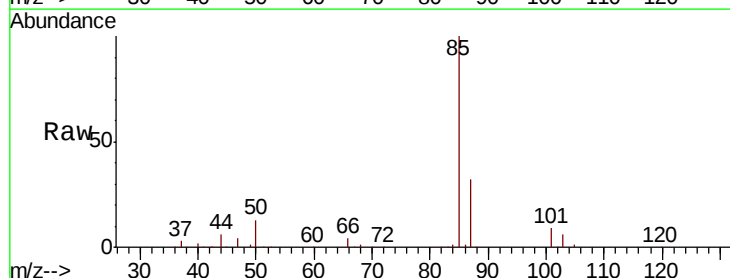
Acq: 7 May 2019 20:57

Tgt Ion: 85 Resp: 197626

Ion Ratio Lower Upper

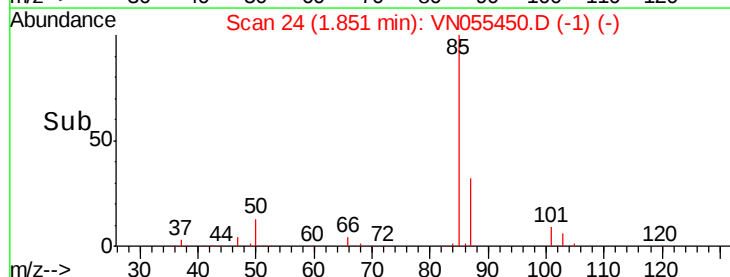
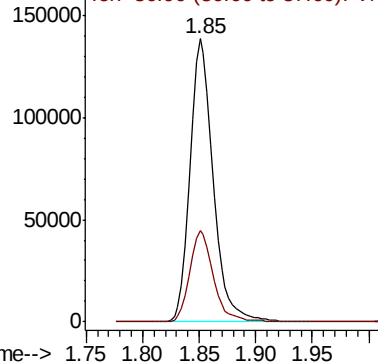
85 100

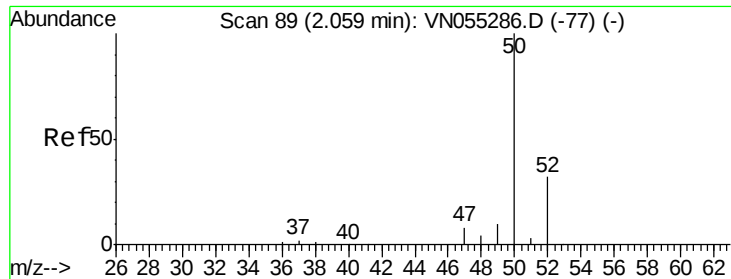
87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 44.399 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

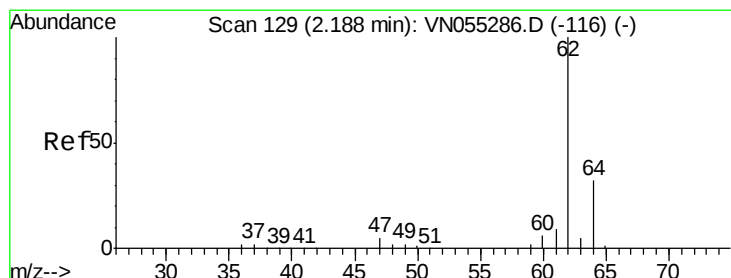
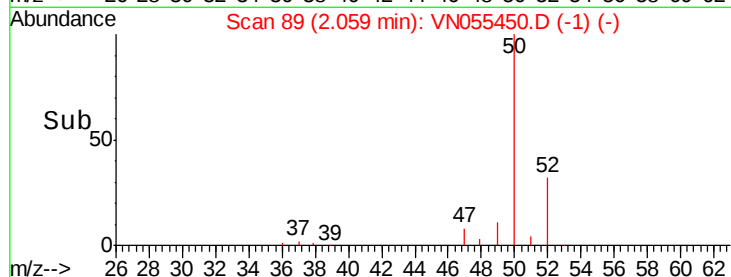
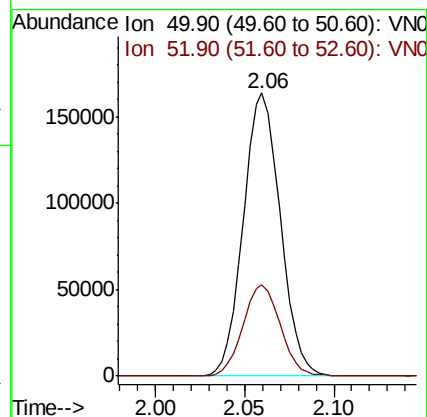
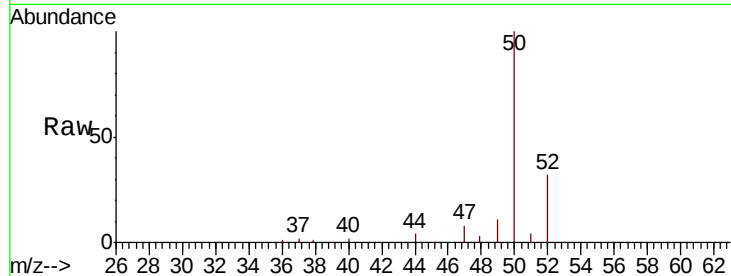
VSTDCCC050

Tot Ion: 50 Resp: 237204

Ion Ratio Lower Upper

50 100

52 32.1 25.7 38.5



#4

Vinyl Chloride

Concen: 45.510 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055450.D

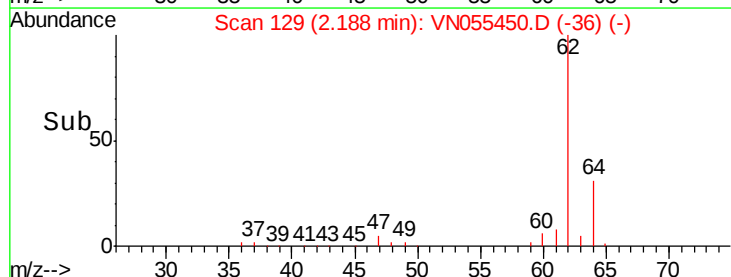
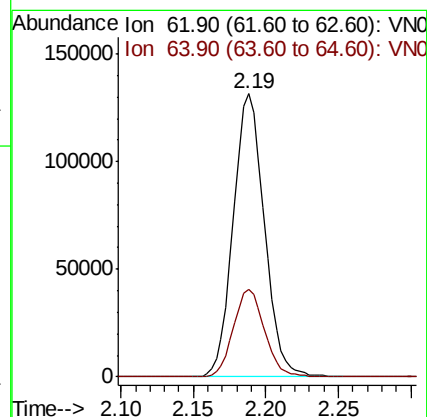
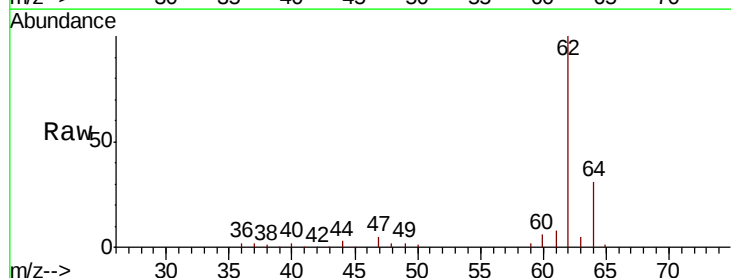
Acq: 7 May 2019 20:57

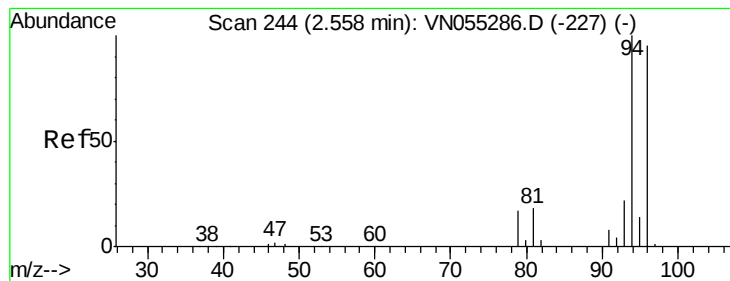
Tgt Ion: 62 Resp: 195992

Ion Ratio Lower Upper

62 100

64 30.8 25.5 38.3





#5

Bromomethane

Concen: 60.501 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.01 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

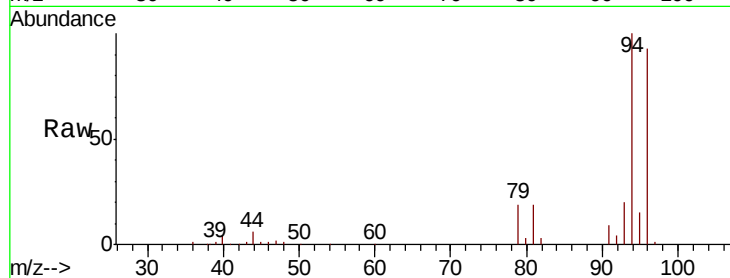
VSTDCCC050

Tot Ion: 94 Resp: 138012

Ion Ratio Lower Upper

94 100

96 93.3 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VN055450.D (-151) (-)

Ion 95.90 (95.60 to 96.60): VN055450.D (-151) (-)

2.55

80000

60000

40000

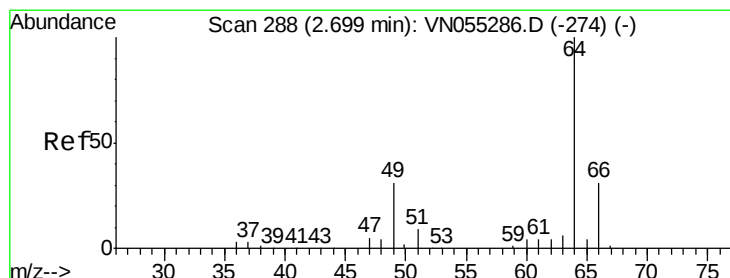
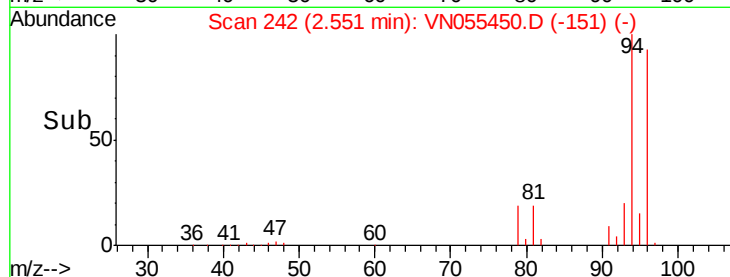
20000

0

Time-->

2.50

2.60



#6

Chloroethane

Concen: 46.893 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN055450.D

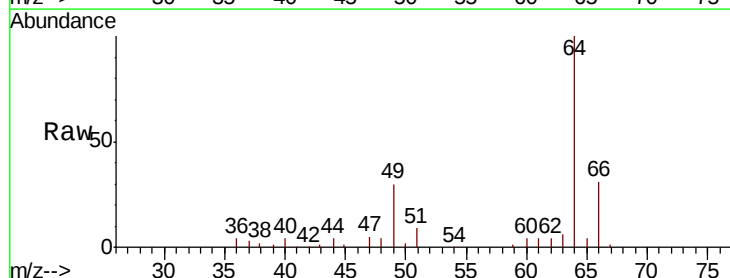
Acq: 7 May 2019 20:57

Tgt Ion: 64 Resp: 109400

Ion Ratio Lower Upper

64 100

66 30.8 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN055450.D (-195) (-)

Ion 65.90 (65.60 to 66.60): VN055450.D (-195) (-)

2.70

60000

50000

40000

30000

20000

10000

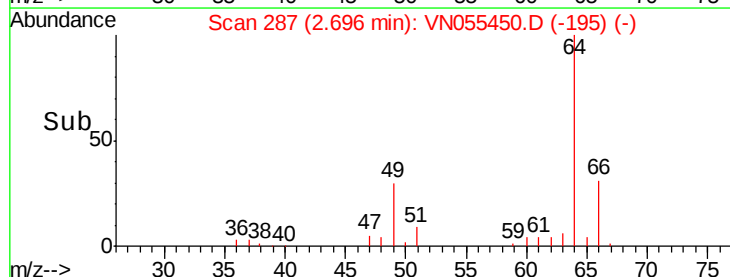
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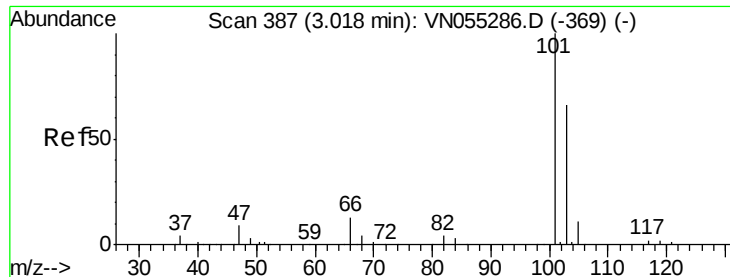
Time-->

2.60

2.70

2.80



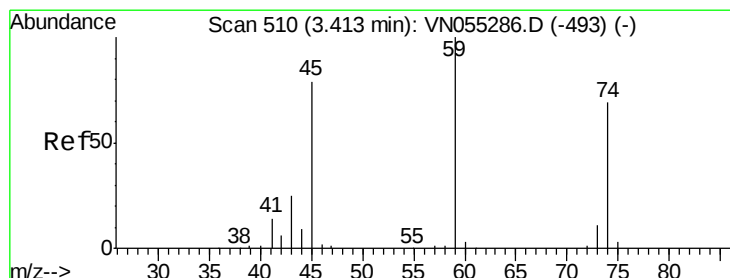
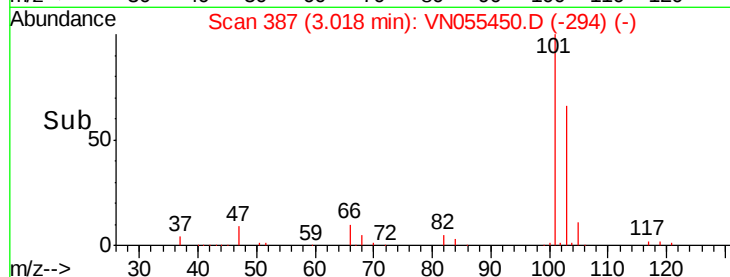
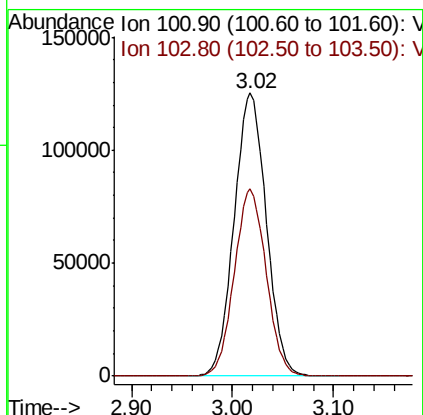
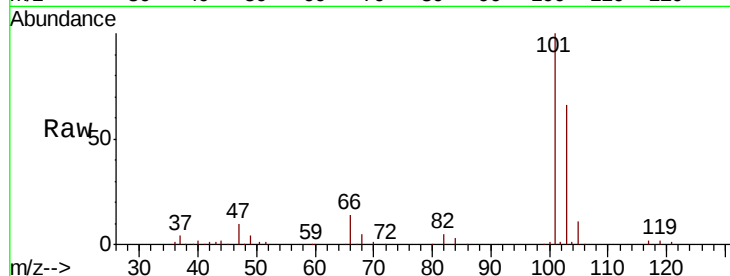


#7

Trichlorofluoromethane
Concen: 45.334 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
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VSTDCCC050

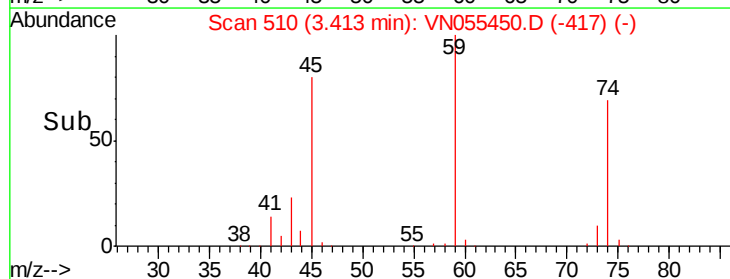
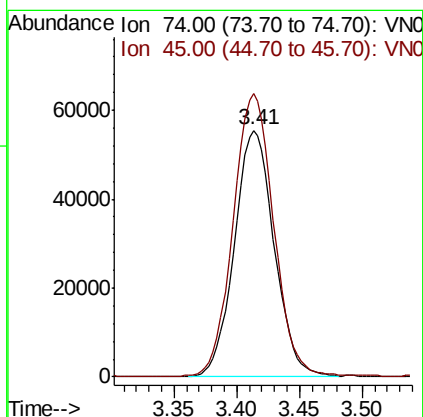
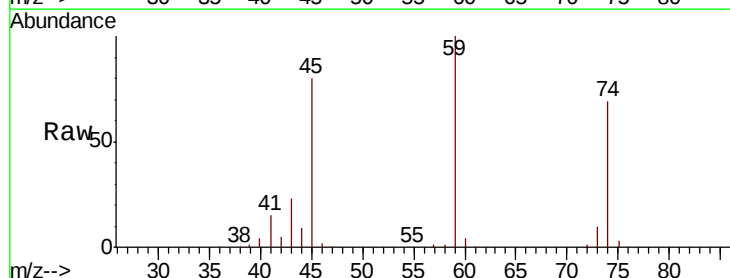
Tot Ion:101 Resp: 277615
Ion Ratio Lower Upper
101 100
103 66.1 52.6 79.0

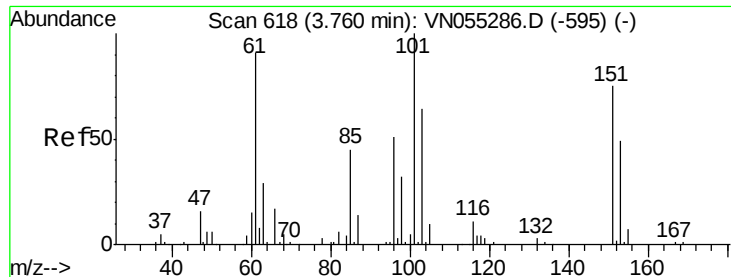


#8

Diethyl Ether
Concen: 57.276 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion: 74 Resp: 122713
Ion Ratio Lower Upper
74 100
45 115.7 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.201 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

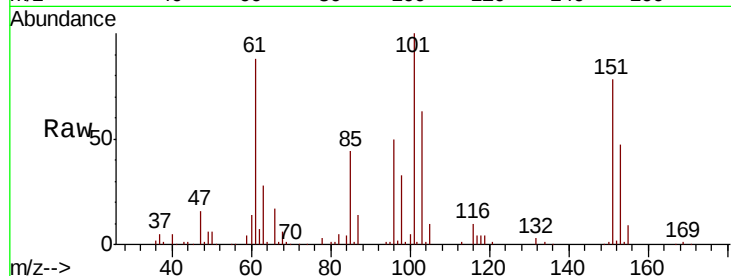
Tot Ion:101 Resp: 179417

Ion Ratio Lower Upper

101 100

85 44.1 35.7 53.5

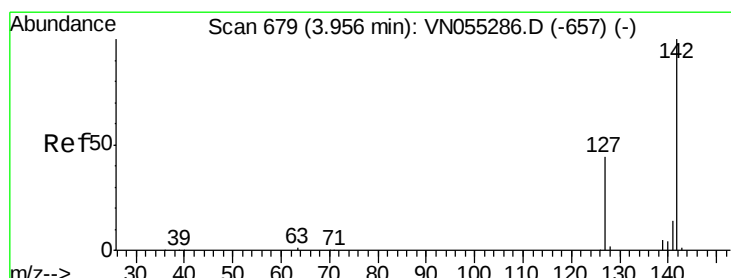
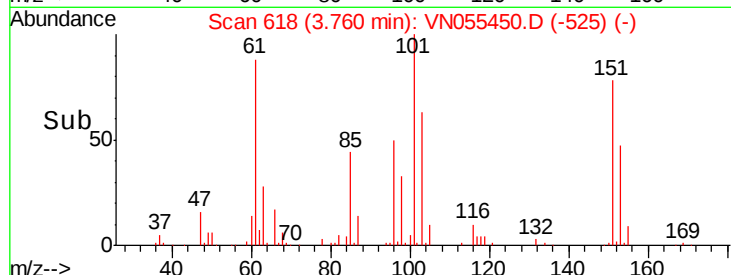
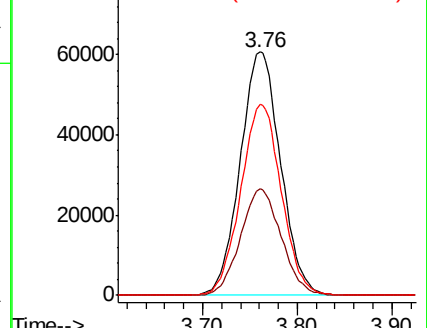
151 79.0 63.3 94.9



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: 47.818 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

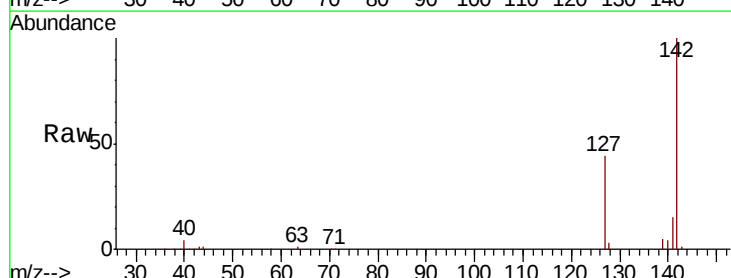
Tgt Ion:142 Resp: 245402

Ion Ratio Lower Upper

142 100

127 43.6 34.4 51.6

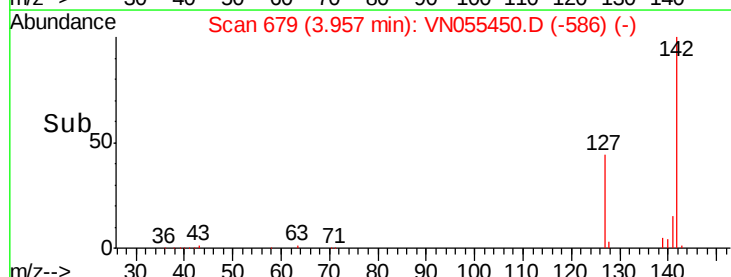
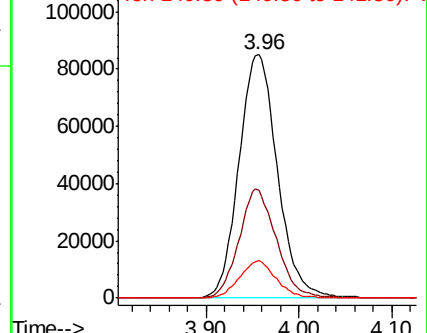
141 14.6 11.5 17.3

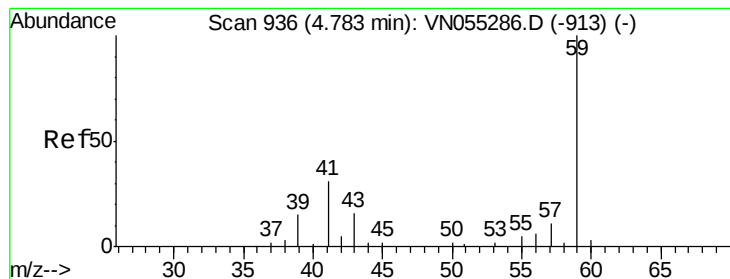


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



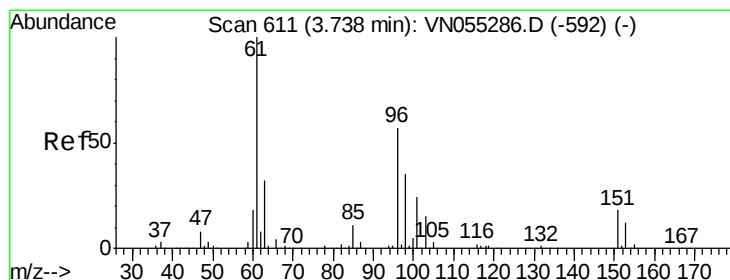
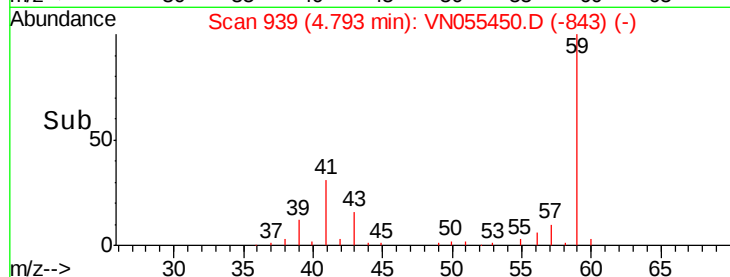
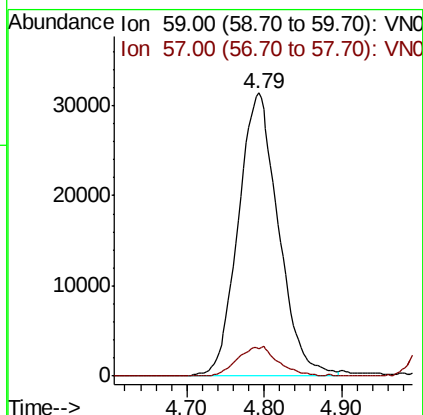
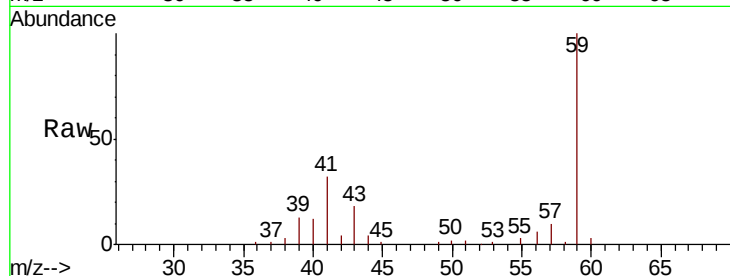


#11

Tert butyl alcohol
 Concen: 430.115 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

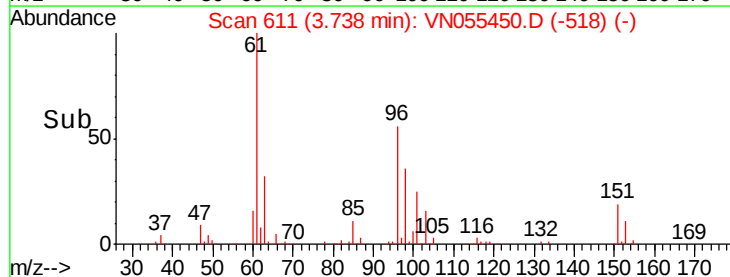
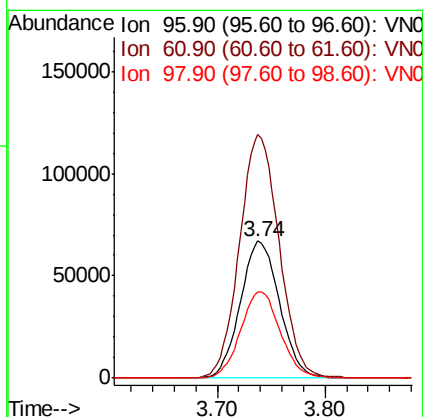
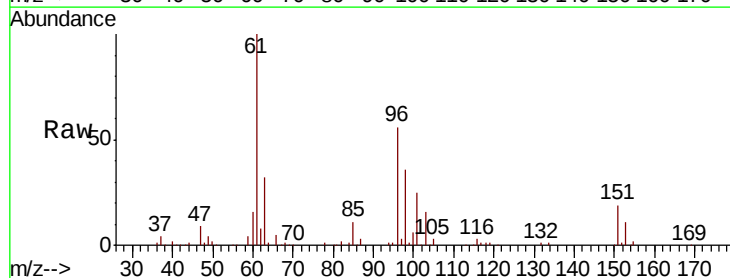
Tot Ion: 59 Resp: 113447
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.2 12.2

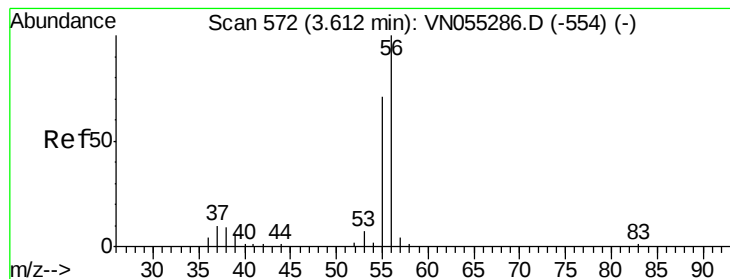


#12

1,1-Dichloroethene
 Concen: 48.821 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Tgt Ion: 96 Resp: 169832
 Ion Ratio Lower Upper
 96 100
 61 177.5 140.9 211.3
 98 63.2 50.0 75.0





#13

Acrolein

Concen: 356.664 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

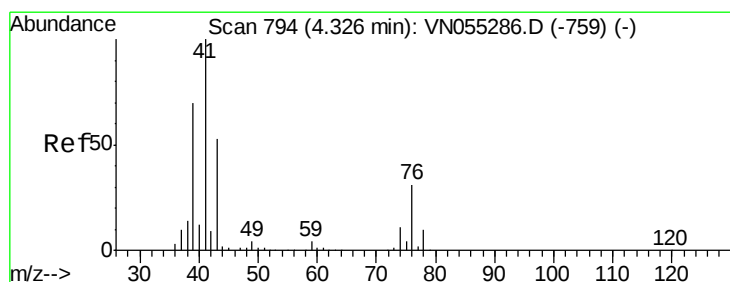
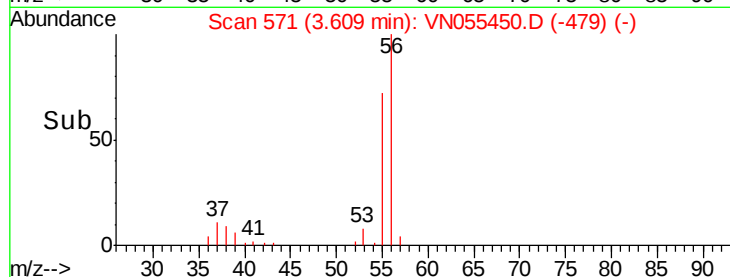
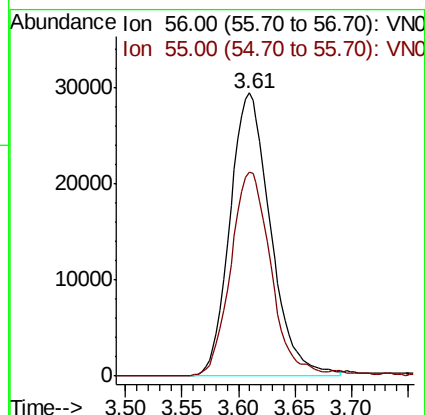
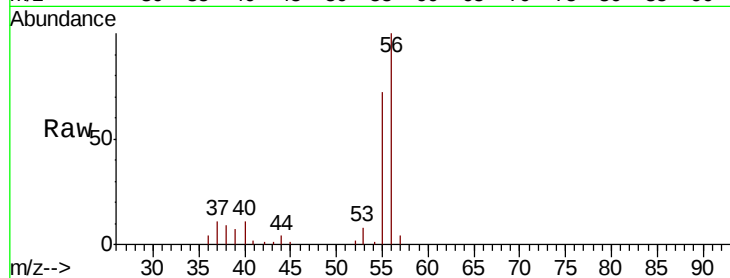
VSTDCCC050

Tot Ion: 56 Resp: 73468

Ion Ratio Lower Upper

56 100

55 71.0 57.4 86.2



#14

Allyl chloride

Concen: 53.621 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

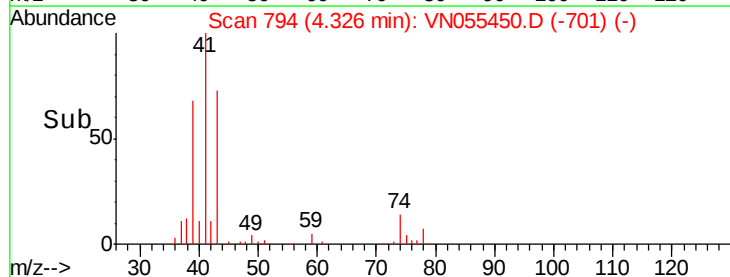
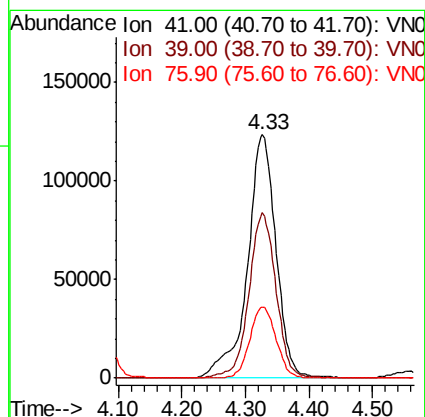
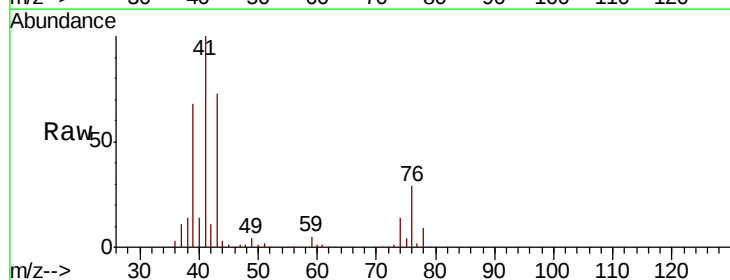
Tgt Ion: 41 Resp: 386322

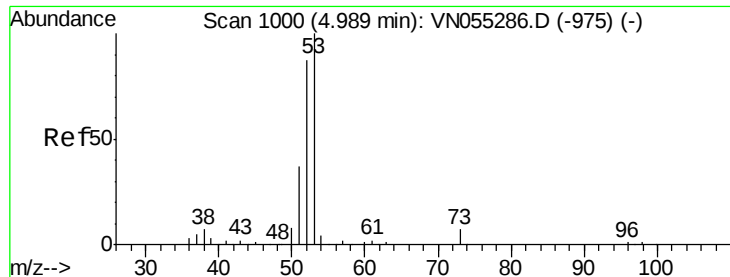
Ion Ratio Lower Upper

41 100

39 63.7 53.0 79.6

76 26.8 22.7 34.1





#15

Acrylonitrile

Concen: 341.531 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

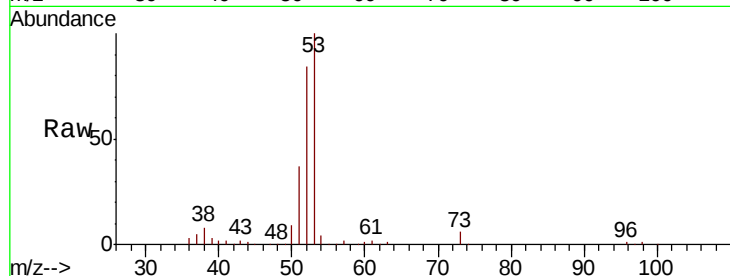
Tot Ion: 53 Resp: 506342

Ion Ratio Lower Upper

53 100

52 83.1 66.5 99.7

51 36.3 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN055286.D (-975) (-)

Ion 52.00 (51.70 to 52.70): VN055286.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VN055286.D (-975) (-)

4.99

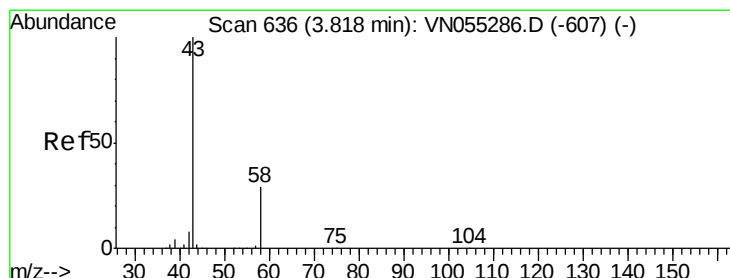
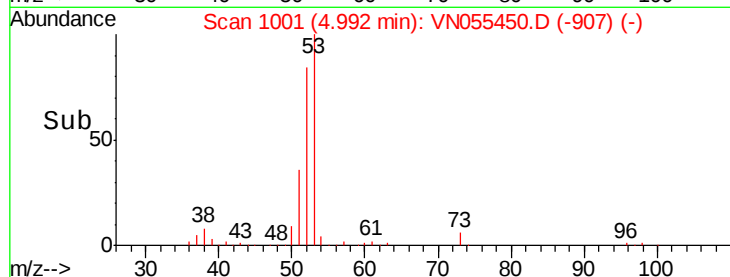
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 285.266 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055450.D

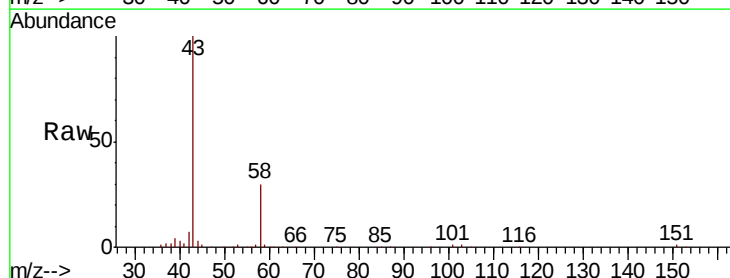
Acq: 7 May 2019 20:57

Tgt Ion: 43 Resp: 409489

Ion Ratio Lower Upper

43 100

58 29.9 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-607) (-)

Ion 58.00 (57.70 to 58.70): VN055286.D (-607) (-)

3.82

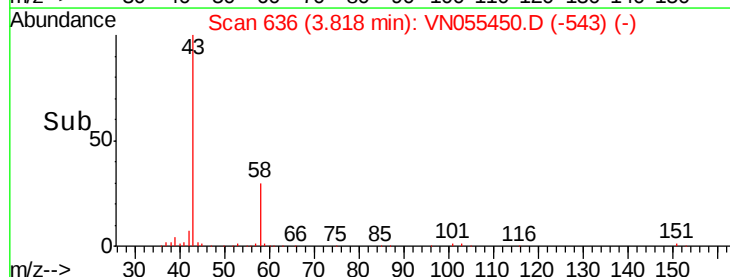
150000

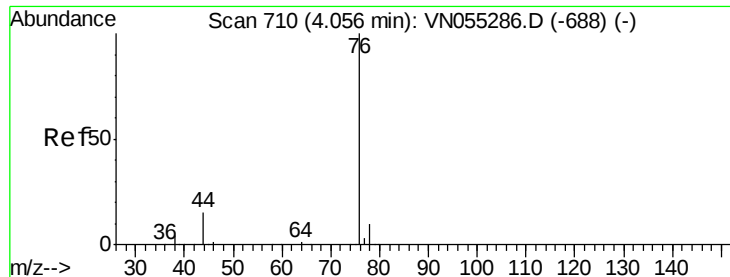
100000

50000

0

Time-->

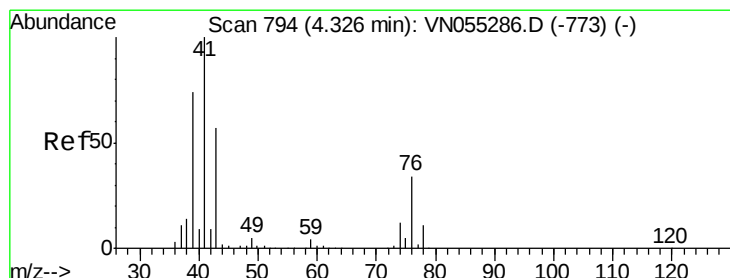
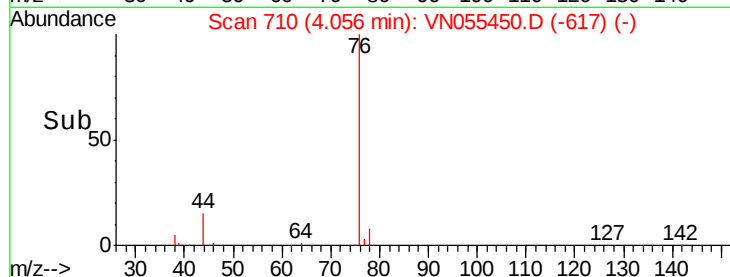
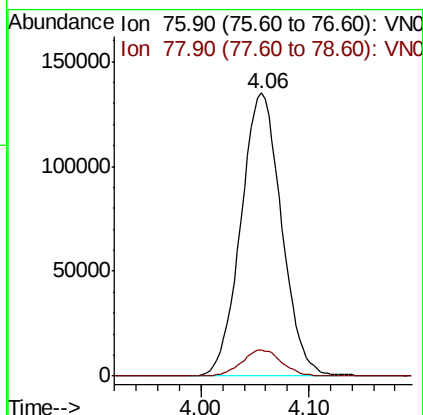
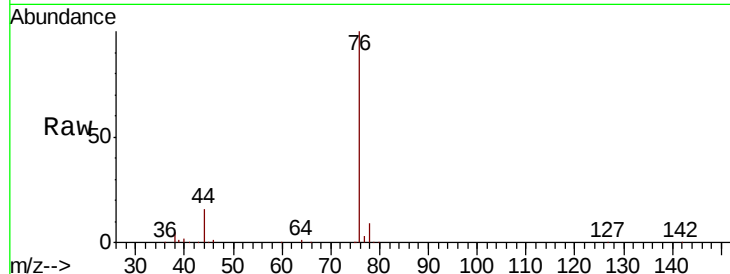




#17
Carbon Disulfide
Concen: 38.996 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

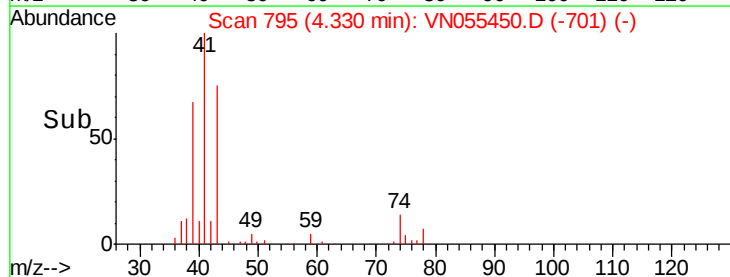
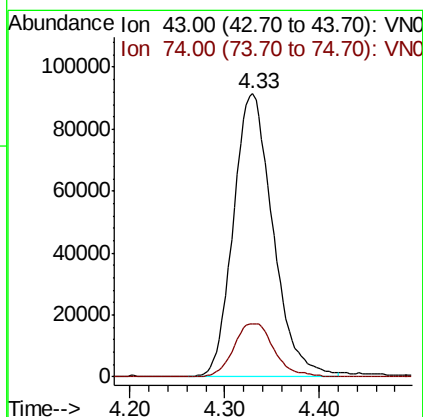
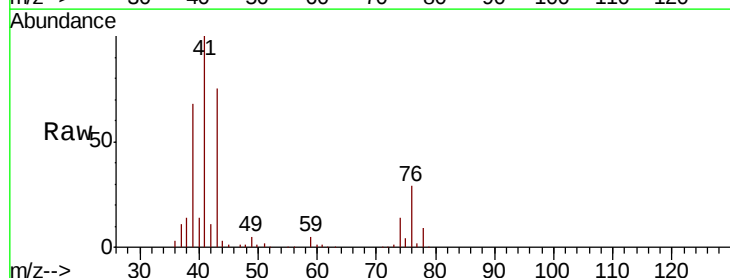
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

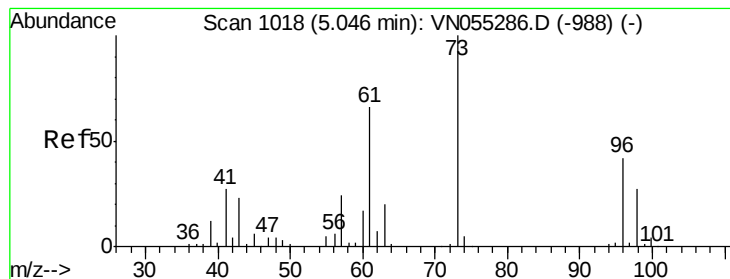
Tot Ion: 76 Resp: 354023
Ion Ratio Lower Upper
76 100
78 9.2 7.6 11.4



#18
Methyl Acetate
Concen: 75.836 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion: 43 Resp: 263313
Ion Ratio Lower Upper
43 100
74 19.5 15.8 23.8



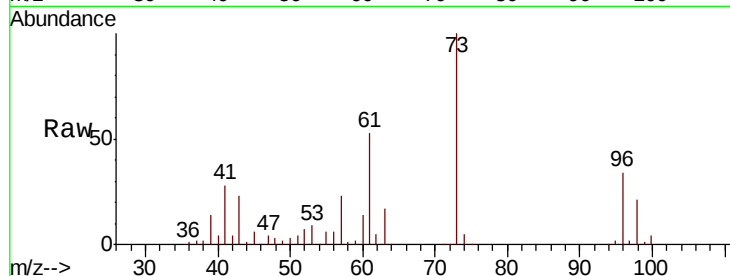


#19

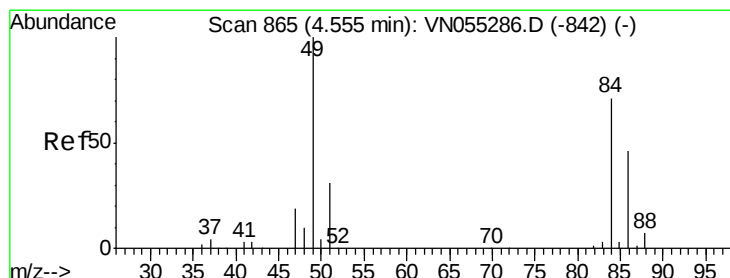
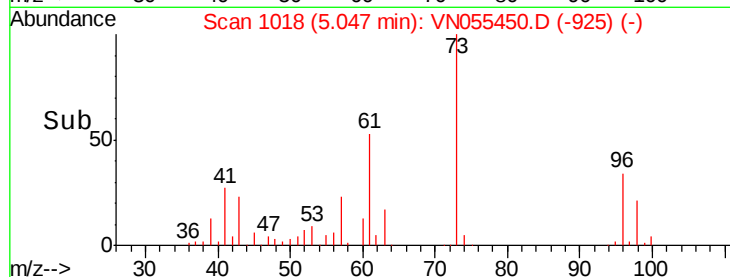
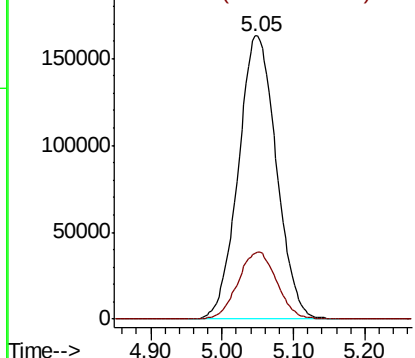
Methvl tert-butvl Ether
 Concen: 61.743 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 603812
 Ion Ratio Lower Upper
 73 100
 57 23.4 19.1 28.7



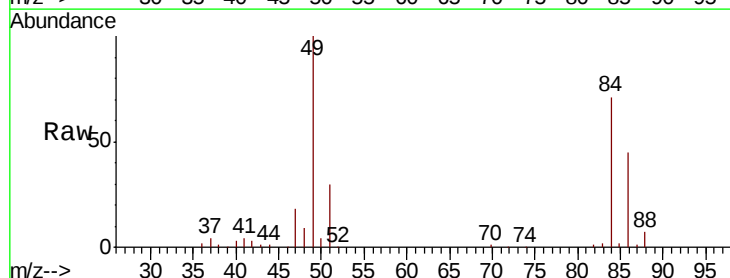
Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



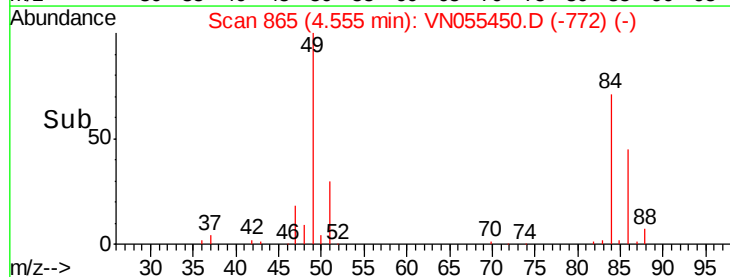
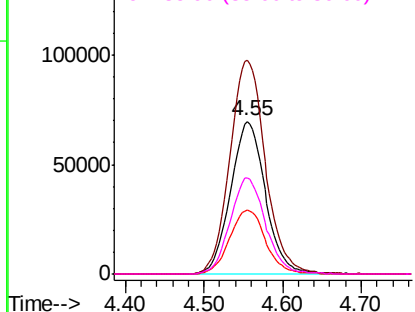
#20

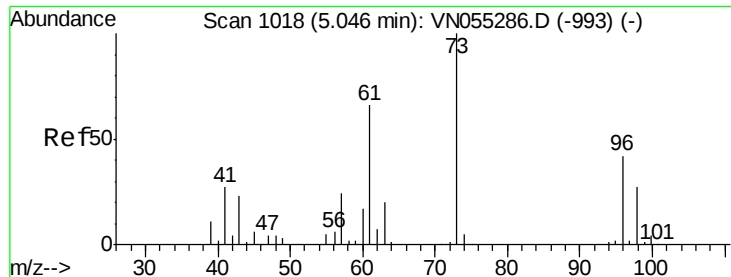
Methylene Chloride
 Concen: 49.153 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Tgt Ion: 84 Resp: 215362
 Ion Ratio Lower Upper
 84 100
 49 140.1 112.4 168.6
 51 41.7 34.6 51.8
 86 63.4 51.9 77.9



Abundance Ion 83.90 (83.60 to 84.60): VN0
 Ion 48.90 (48.60 to 49.60): VN0
 Ion 50.90 (50.60 to 51.60): VN0
 Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 48.013 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

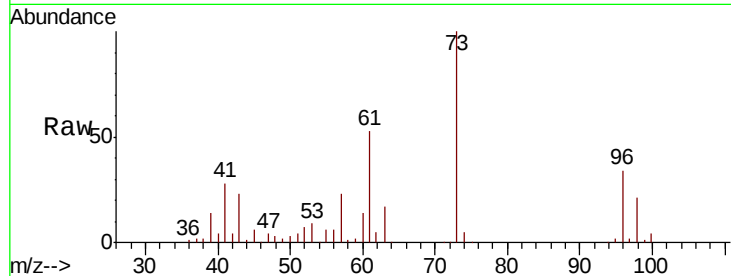
Tot Ion: 96 Resp: 176889

Ion Ratio Lower Upper

96 100

61 156.2 126.2 189.4

98 63.0 52.2 78.2

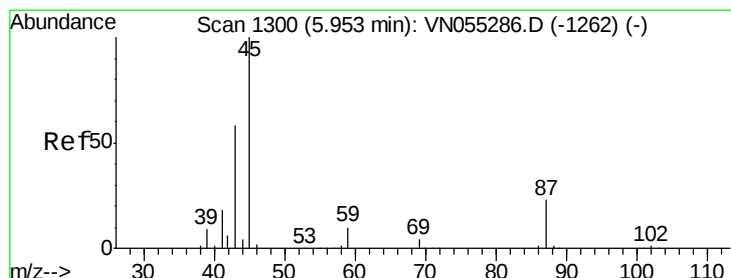
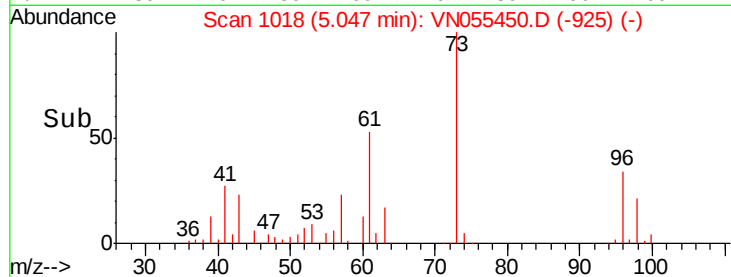
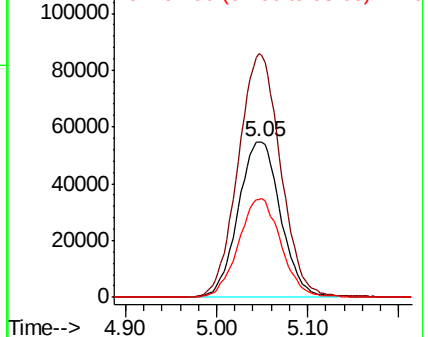


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 58.050 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Tgt Ion: 45 Resp: 830978

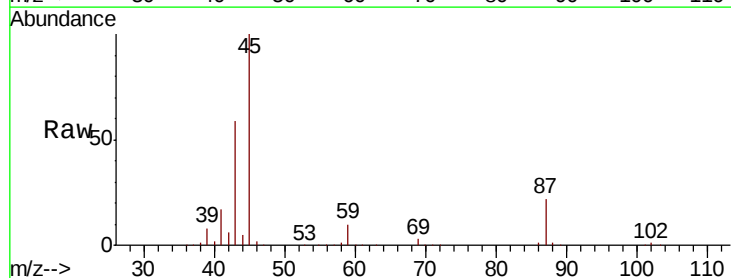
Ion Ratio Lower Upper

45 100

43 58.8 46.6 70.0

87 21.8 18.1 27.1

59 10.0 8.2 12.2



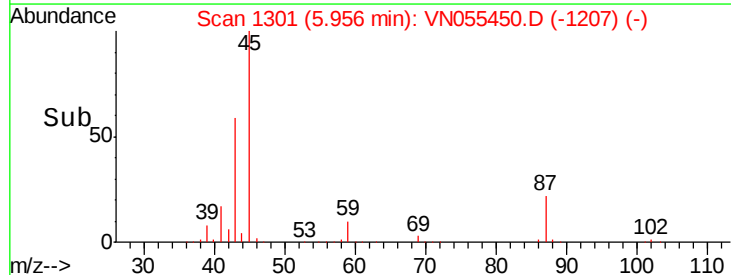
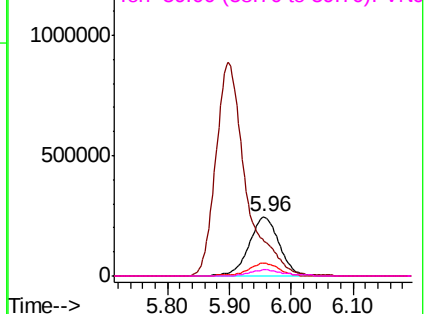
Abundance

Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 318.888 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

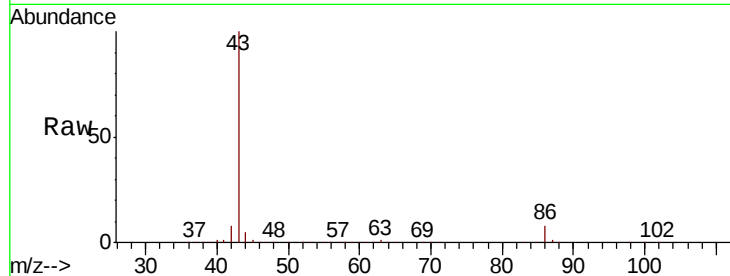
VSTDCCC050

Tot Ion: 43 Resp: 2991806

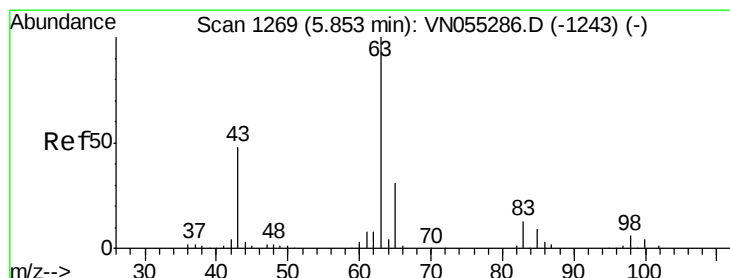
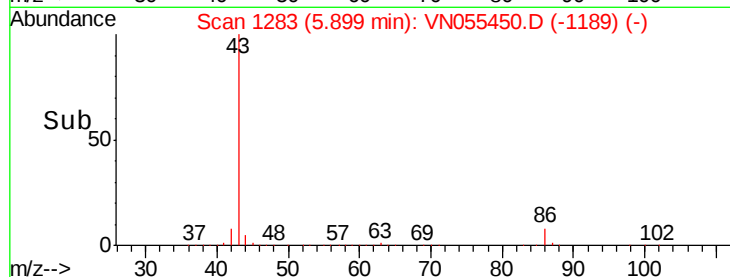
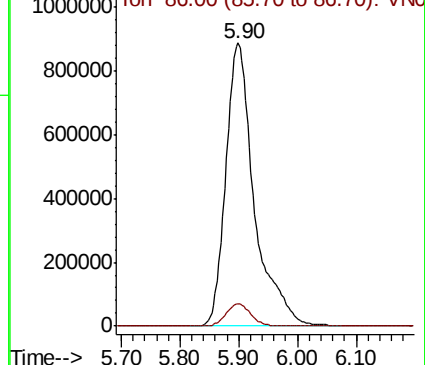
Ion Ratio Lower Upper

43 100

86 8.0 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VN055450.D (-1189) (-)



#24

1,1-Dichloroethane

Concen: 52.947 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

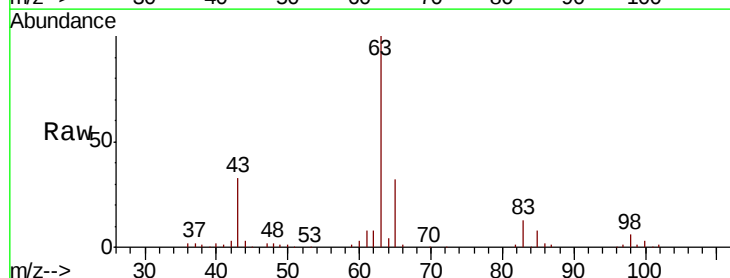
Tgt Ion: 63 Resp: 403835

Ion Ratio Lower Upper

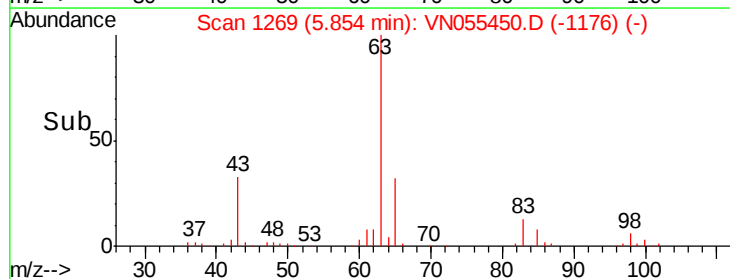
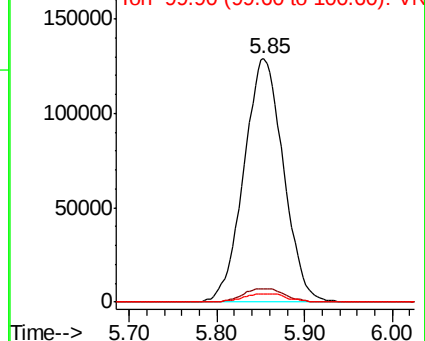
63 100

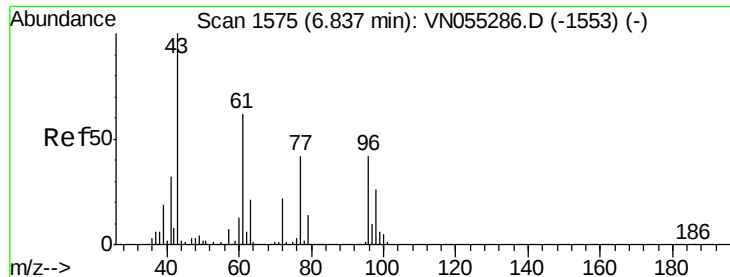
98 5.5 3.0 9.0

100 3.2 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VN055450.D (-1176) (-)





#25

2-Butanone

Concen: 356.471 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

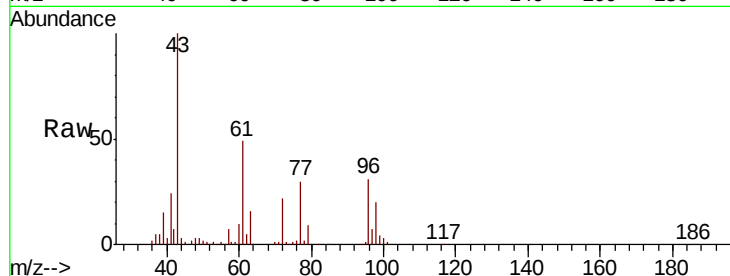
VSTDCCC050

Tot Ion: 43 Resp: 654398

Ion Ratio Lower Upper

43 100

72 22.4 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

250000

200000

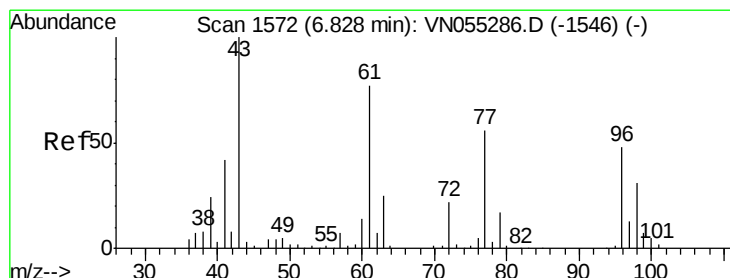
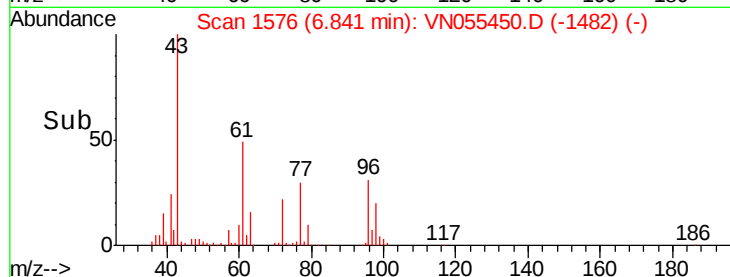
150000

100000

50000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 47.522 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055450.D

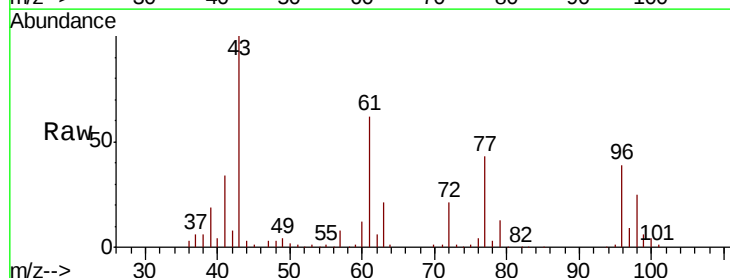
Acq: 7 May 2019 20:57

Tgt Ion: 77 Resp: 250291

Ion Ratio Lower Upper

77 100

97 22.8 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.83

80000

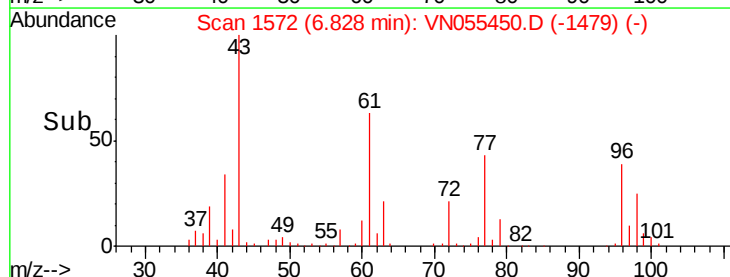
60000

40000

20000

0

Time--> 6.70 6.80 6.90

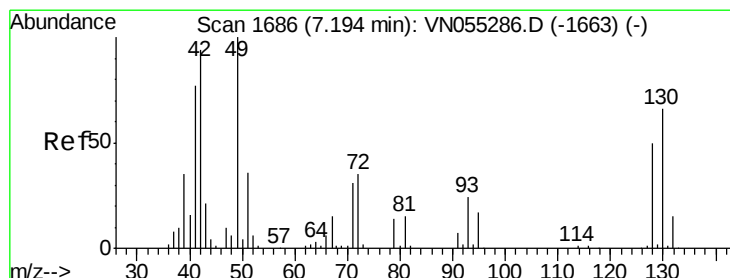
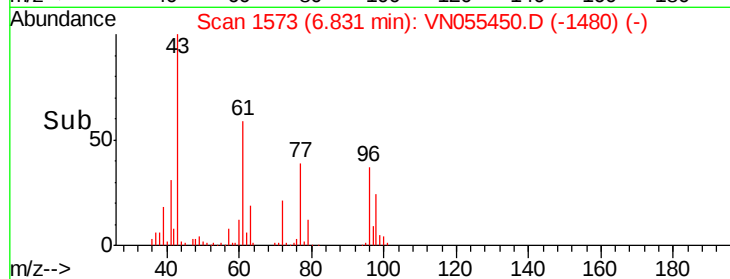
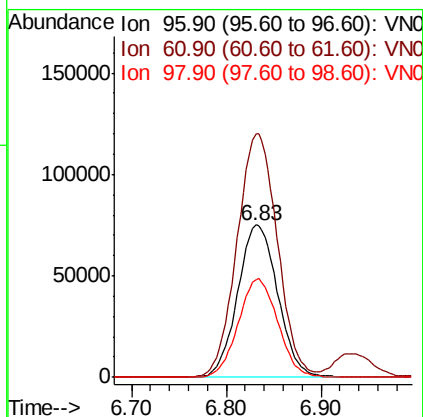
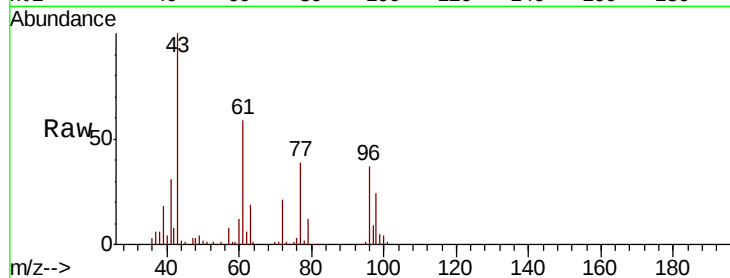




#27
 cis-1,2-Dichloroethene
 Concen: 52.943 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

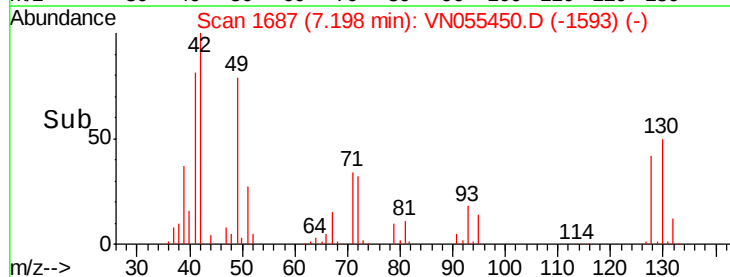
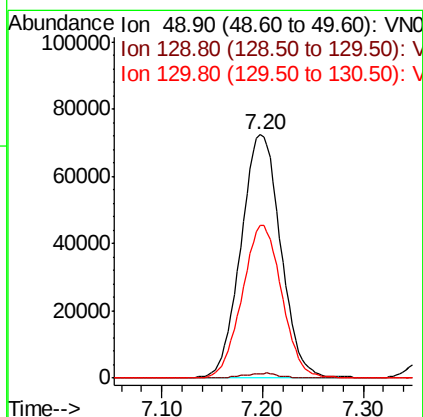
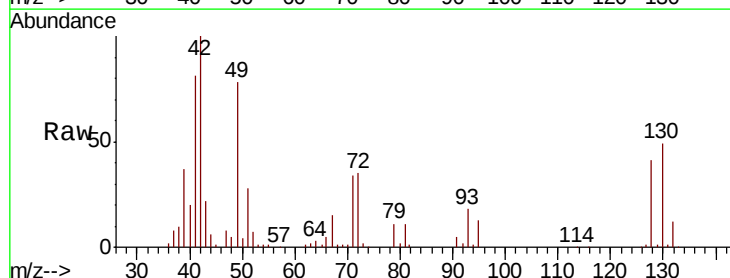
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

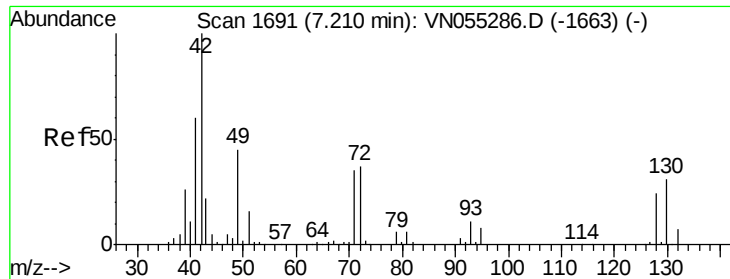
Tot Ion: 96 Resp: 221808
 Ion Ratio Lower Upper
 96 100
 61 160.4 0.0 316.2
 98 63.7 0.0 126.6



#28
 Bromochloromethane
 Concen: 51.447 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Tgt Ion: 49 Resp: 197794
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 2.4
 130 62.8 52.0 78.0

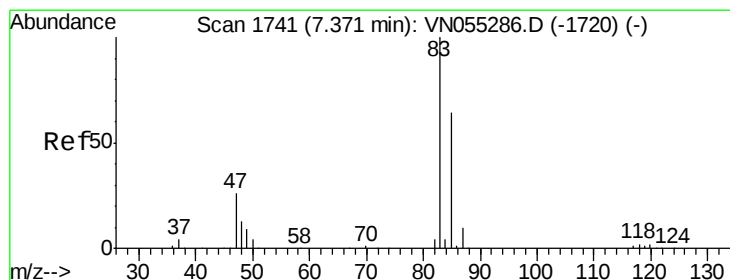
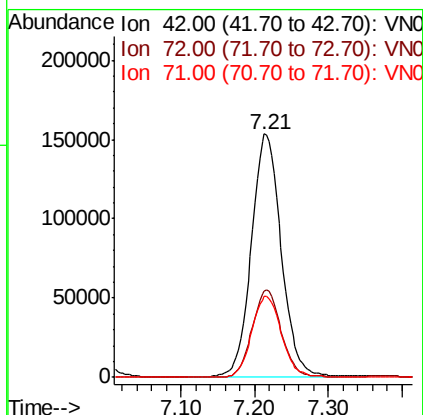
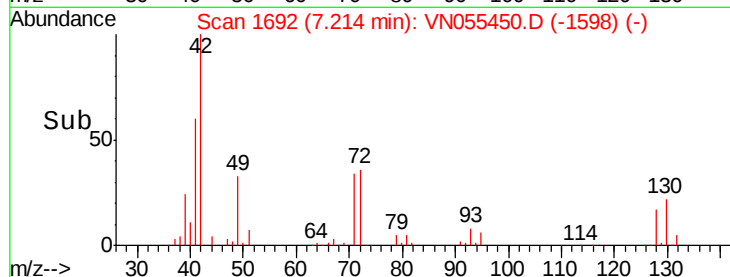
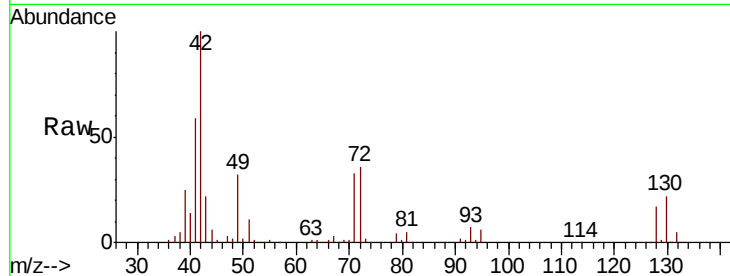




#29
Tetrahydrofuran
Concen: 370.149 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

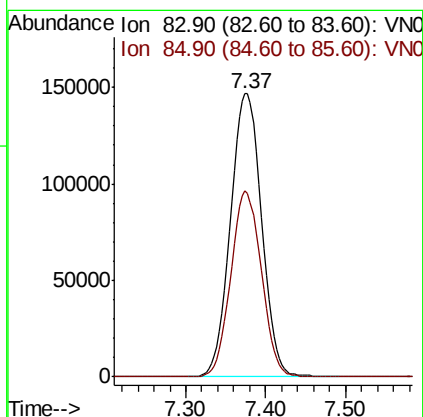
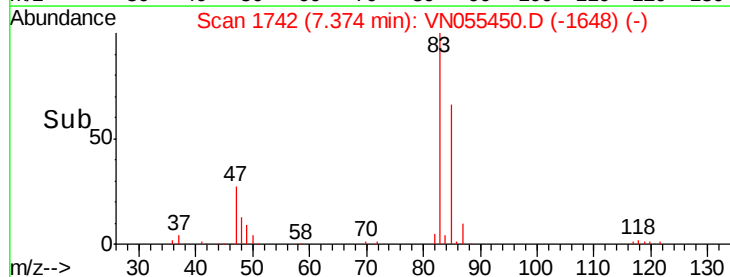
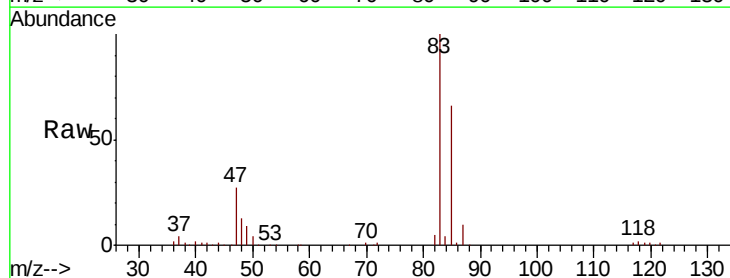
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

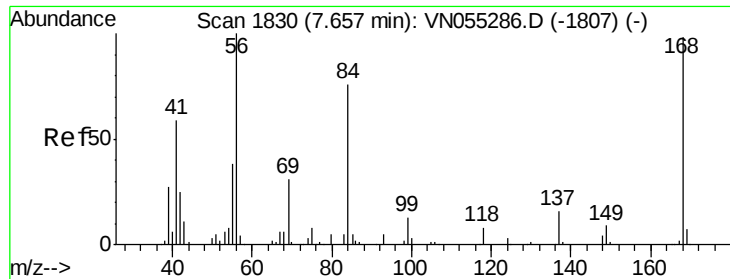
Tot Ion: 42 Resp: 435108
Ion Ratio Lower Upper
42 100
72 35.0 29.0 43.6
71 33.2 27.1 40.7



#30
Chloroform
Concen: 53.503 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion: 83 Resp: 386836
Ion Ratio Lower Upper
83 100
85 65.8 51.4 77.2

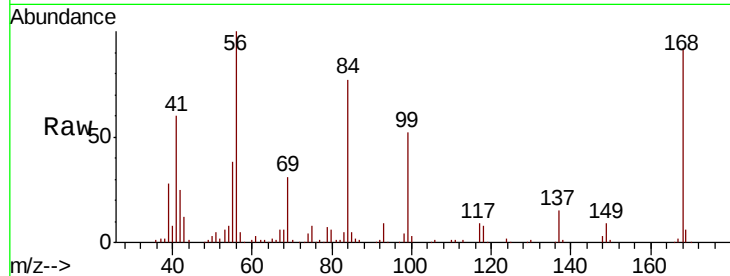




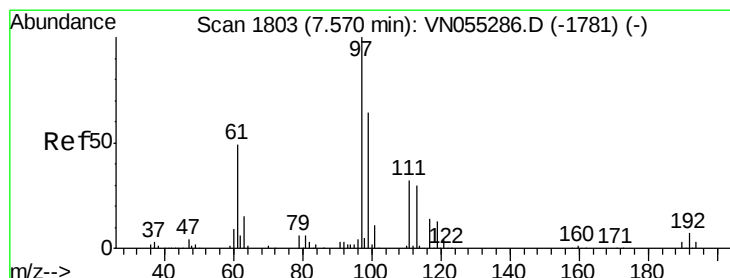
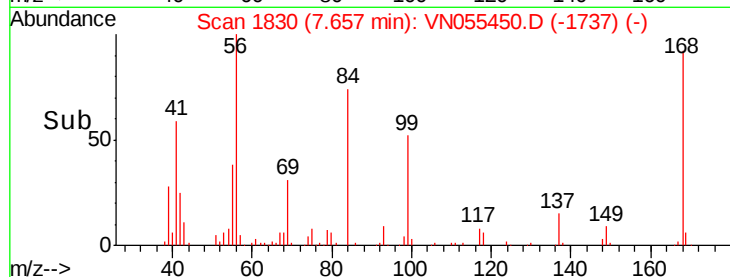
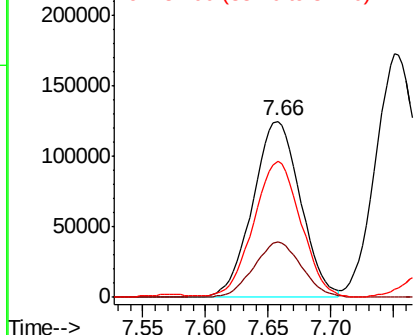
#31
Cyclohexane
Concen: 45.575 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 330265
Ion Ratio Lower Upper
56 100
69 31.4 25.2 37.8
84 76.2 61.1 91.7

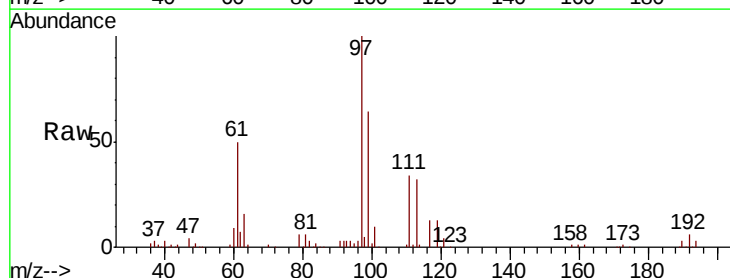


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

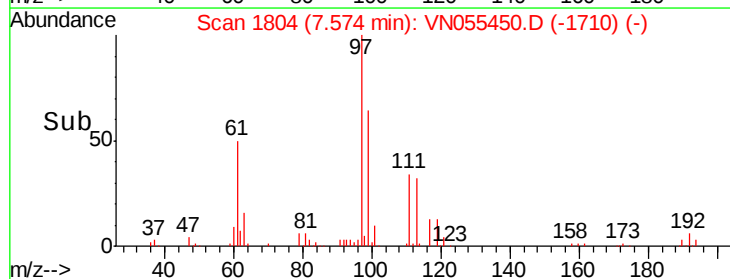
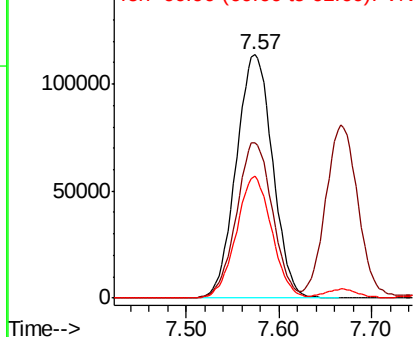


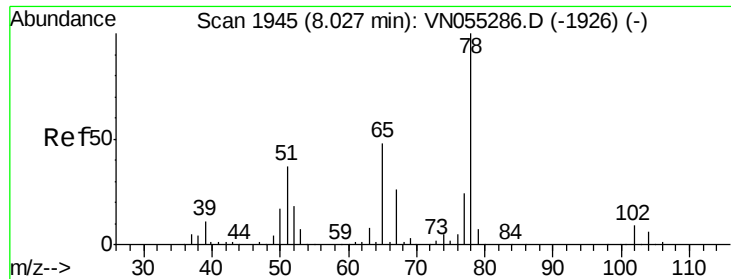
#32
1,1,1-Trichloroethane
Concen: 52.782 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion: 97 Resp: 309724
Ion Ratio Lower Upper
97 100
99 63.2 51.8 77.8
61 48.9 39.0 58.6



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

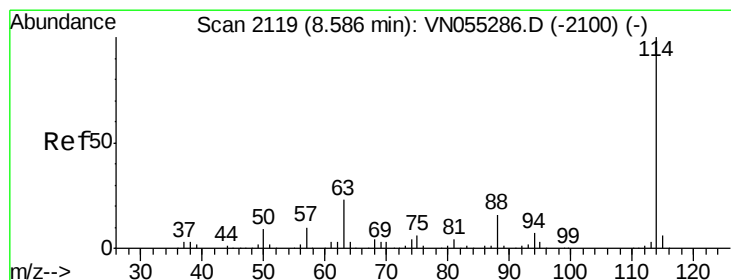
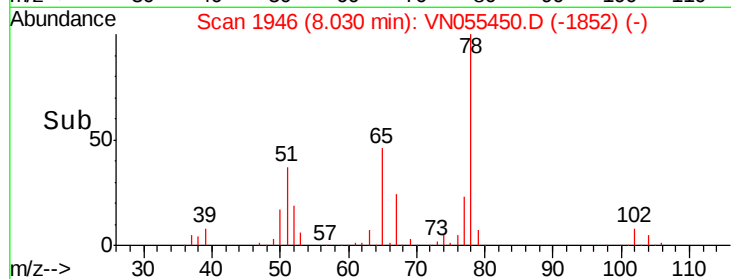
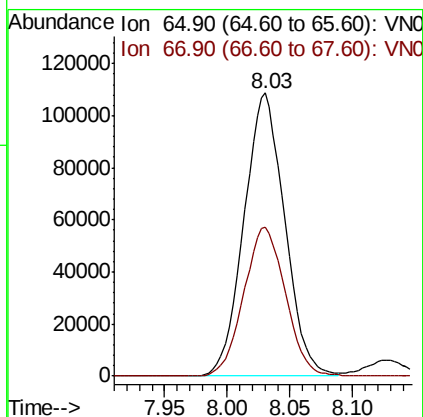
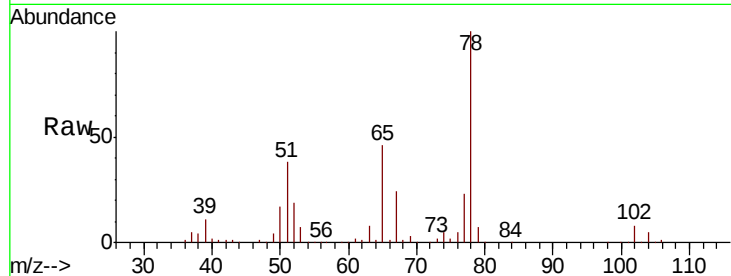




#33
 1,2-Dichloroethane-d4
 Concen: 53.415 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

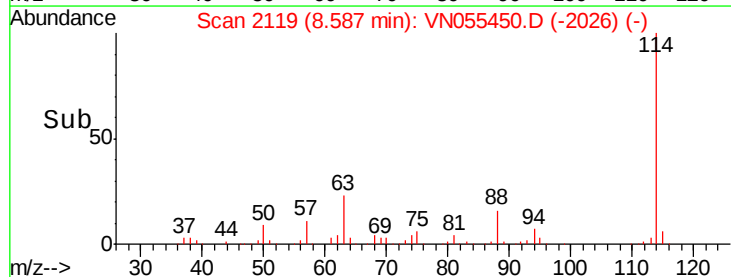
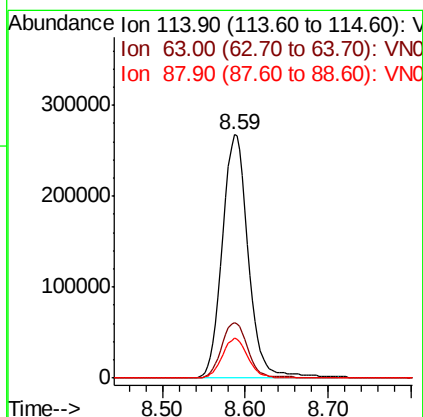
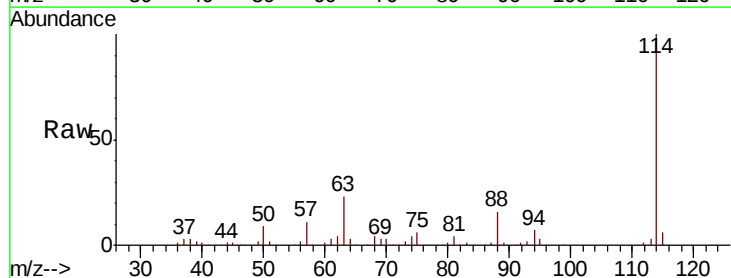
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

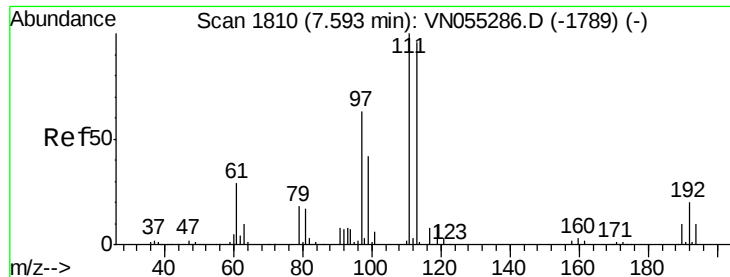
Tot Ion: 65 Resp: 246081
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Tgt Ion: 114 Resp: 583656
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.2
 88 16.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.945 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

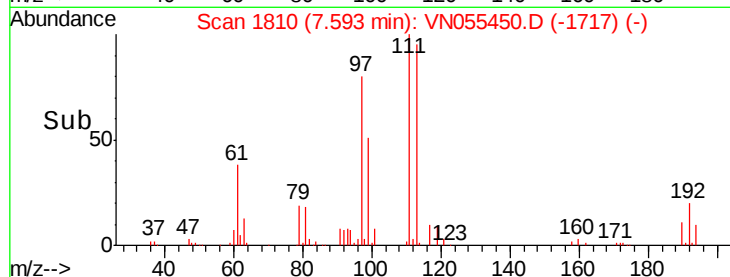
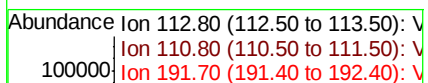
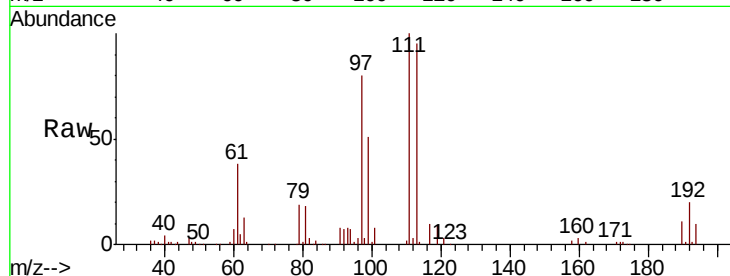
Tot Ion:113 Resp: 191334

Ion Ratio Lower Upper

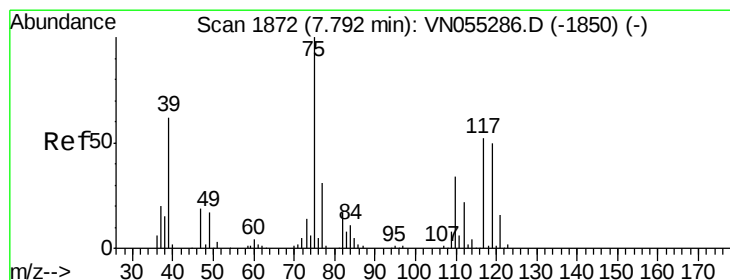
113 100

111 102.7 82.3 123.5

192 20.6 17.0 25.6



Time-->



#36

1,1-Dichloropropene

Concen: 47.259 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

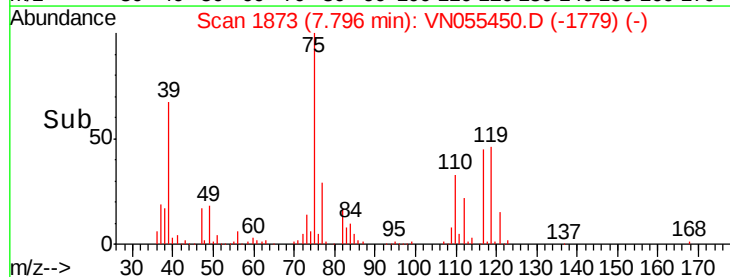
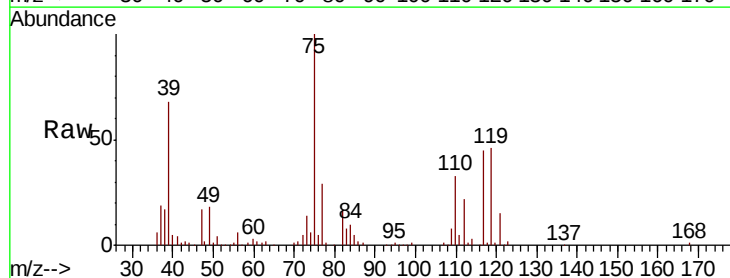
Tgt Ion: 75 Resp: 264201

Ion Ratio Lower Upper

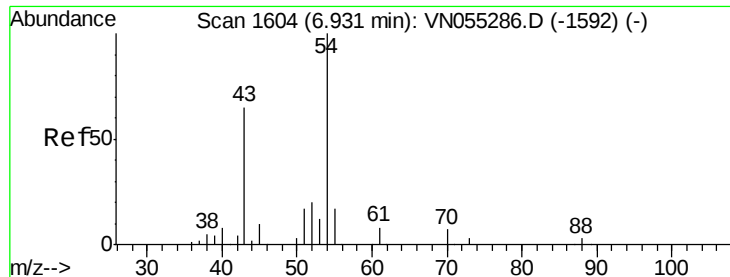
75 100

110 33.4 16.8 50.4

77 30.5 25.0 37.6



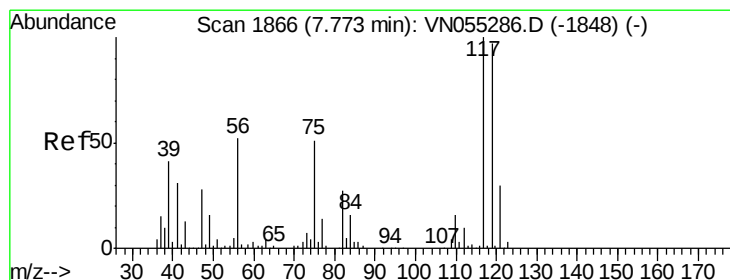
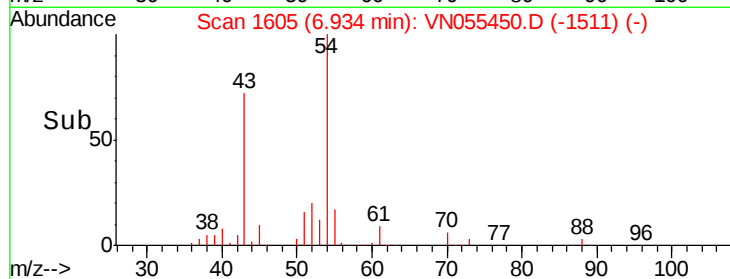
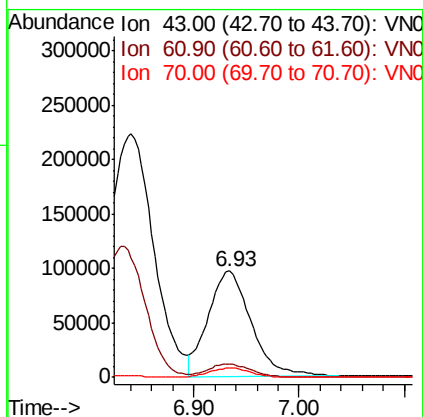
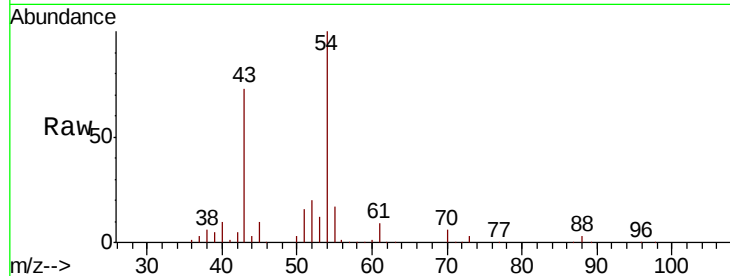
Time-->



#37
Ethyl Acetate
Concen: 63.627 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

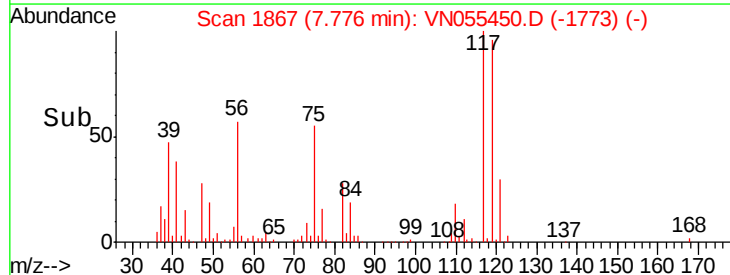
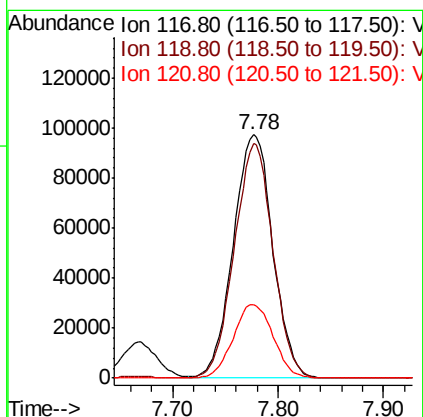
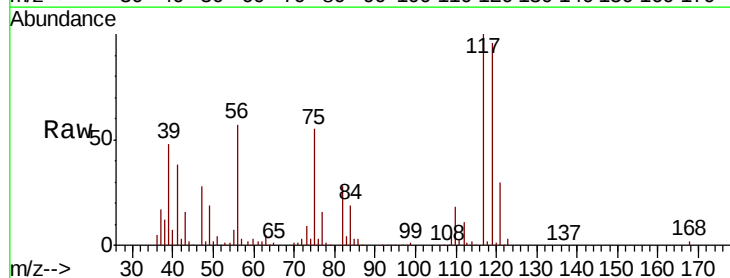
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

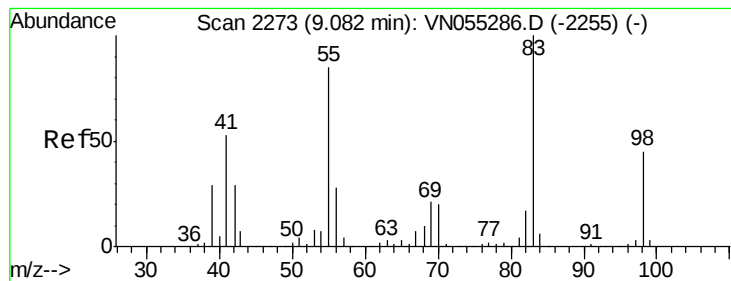
Tot Ion: 43 Resp: 272619
Ion Ratio Lower Upper
43 100
61 12.2 10.4 15.6
70 8.8 6.6 10.0



#38
Carbon Tetrachloride
Concen: 47.019 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion: 117 Resp: 253564
Ion Ratio Lower Upper
117 100
119 96.4 77.0 115.6
121 30.3 23.8 35.8





#39

Methvlcvclohexane

Concen: 48.107 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

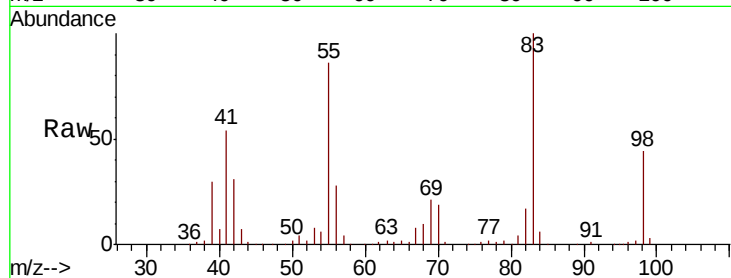
Tot Ion: 83 Resp: 285943

Ion Ratio Lower Upper

83 100

55 86.3 67.8 101.6

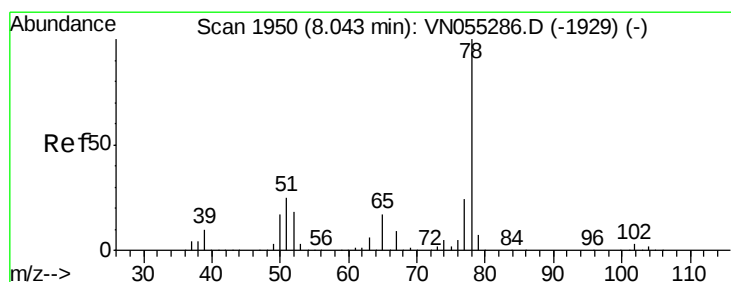
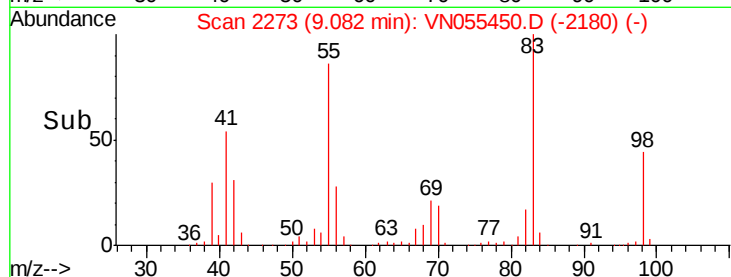
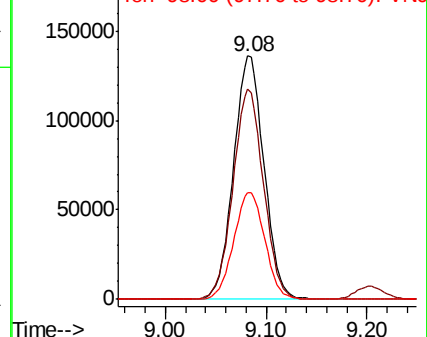
98 44.1 36.2 54.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 50.255 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055450.D

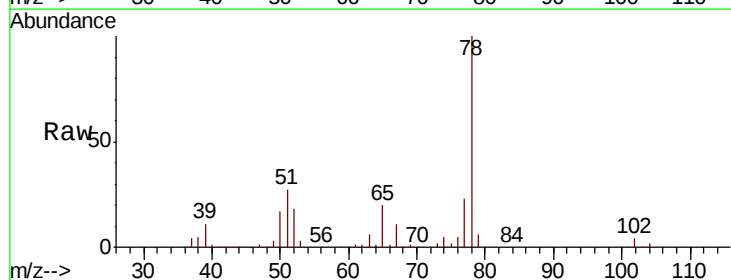
Acq: 7 May 2019 20:57

Tgt Ion: 78 Resp: 828226

Ion Ratio Lower Upper

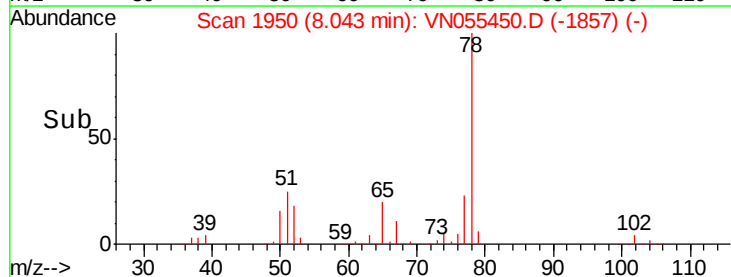
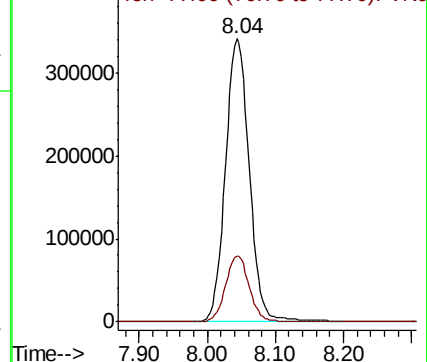
78 100

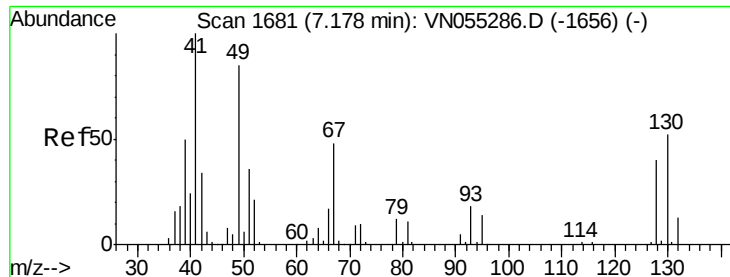
77 23.5 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

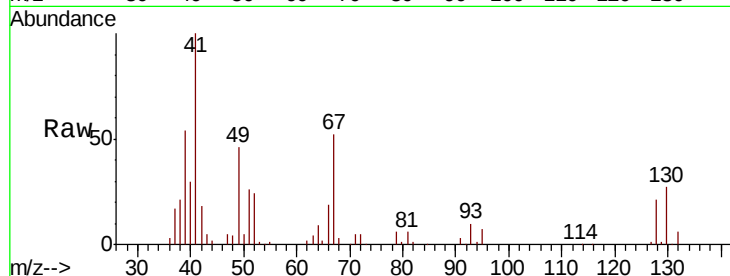




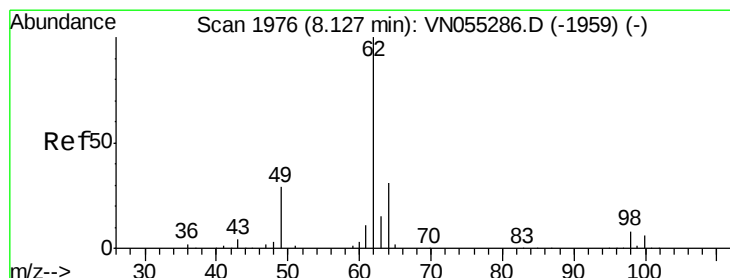
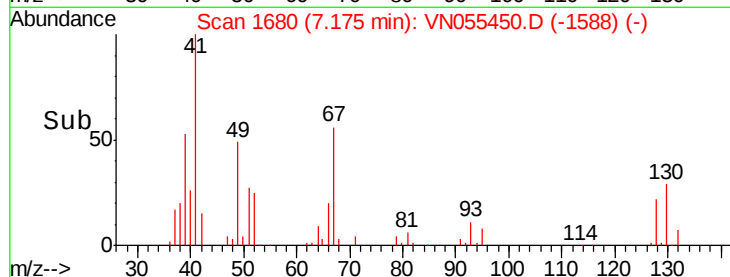
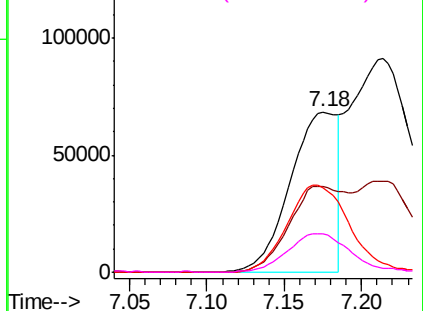
#41
Methacrylonitrile
Concen: 62.557 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	145503
Ion	Ratio	Lower	Upper
41	100		
39	66.8	48.5	72.7
67	71.8	54.9	82.3
52	32.3	24.9	37.3

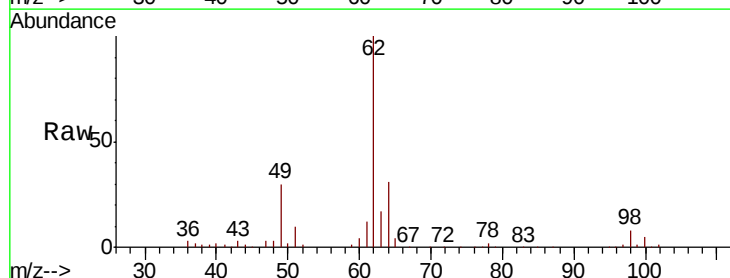


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

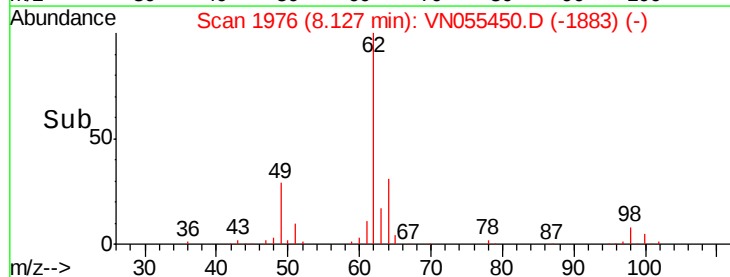
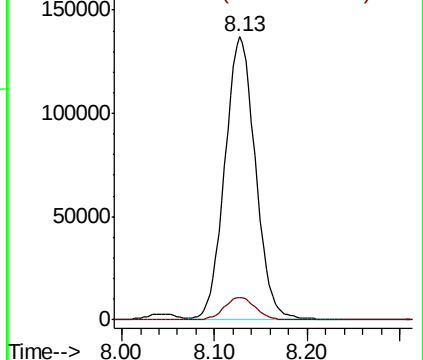


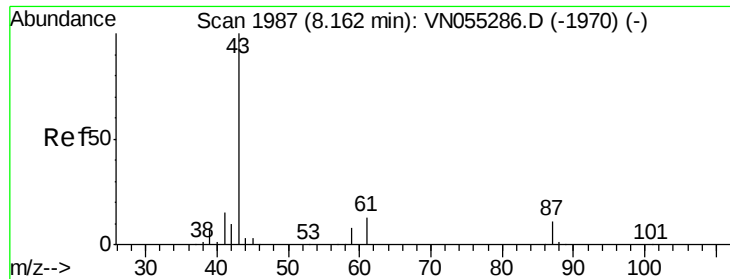
#42
1,2-Dichloroethane
Concen: 53.599 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion:	62	Resp:	312862
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 67.318 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

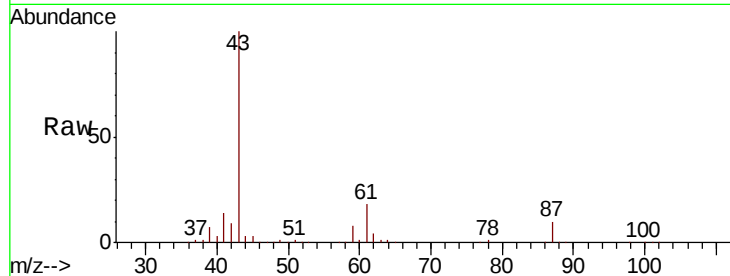
Tot Ion: 43 Resp: 463530

Ion Ratio Lower Upper

43 100

61 25.0 20.8 31.2

87 10.2 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

250000

200000

150000

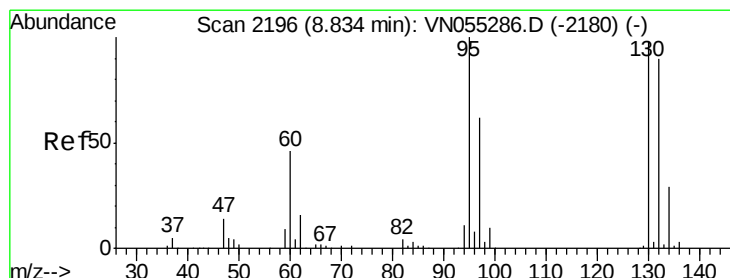
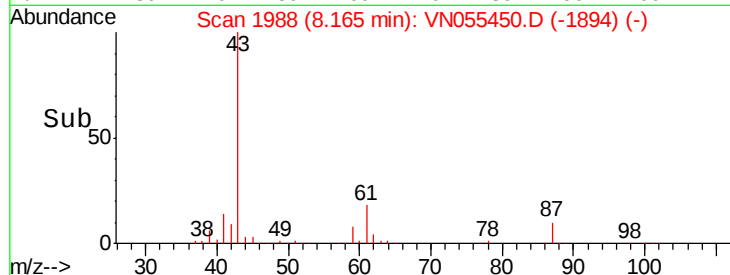
100000

50000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 48.196 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055450.D

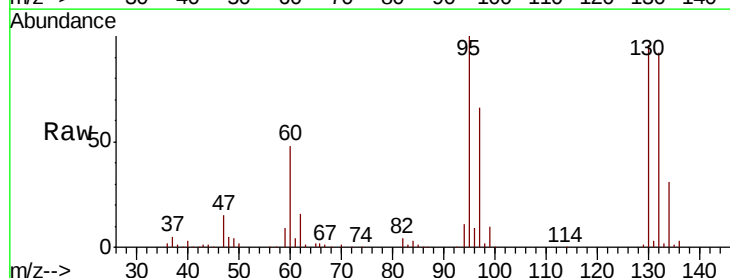
Acq: 7 May 2019 20:57

Tgt Ion:130 Resp: 202489

Ion Ratio Lower Upper

130 100

95 104.1 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

120000

100000

80000

60000

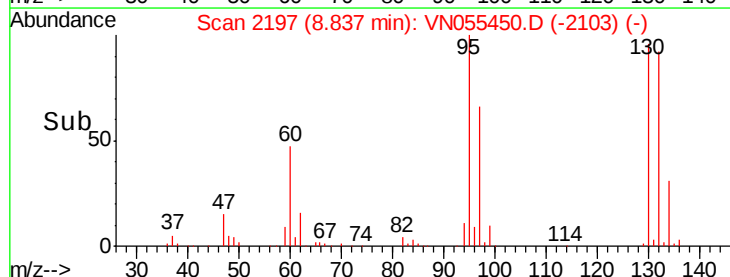
40000

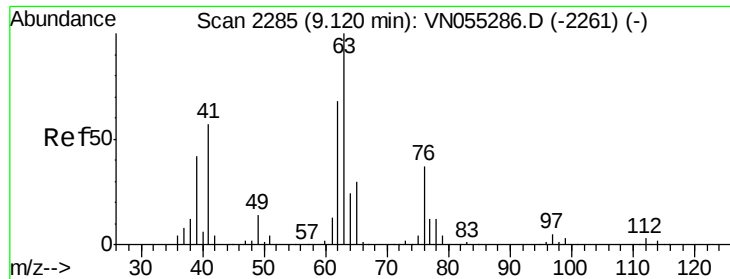
20000

0

8.75 8.80 8.85 8.90 8.95

Time-->





#45

1,2-Dichloropropane

Concen: 51.051 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

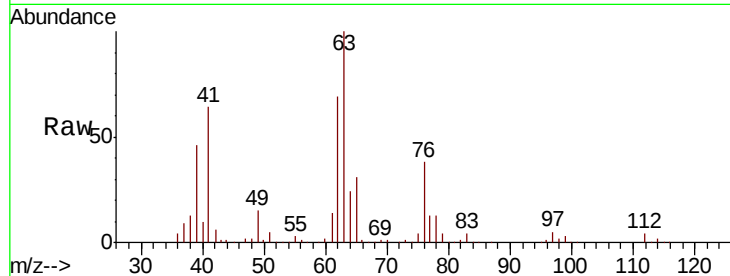
VSTDCCC050

Tot Ion: 63 Resp: 242657

Ion Ratio Lower Upper

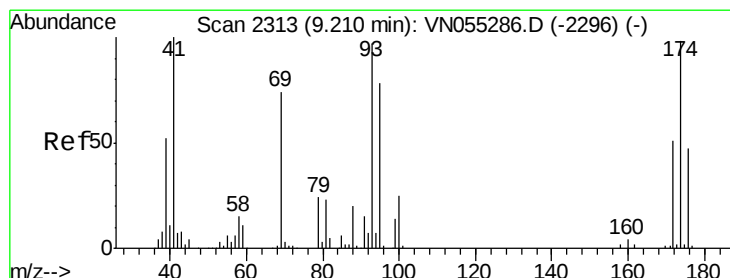
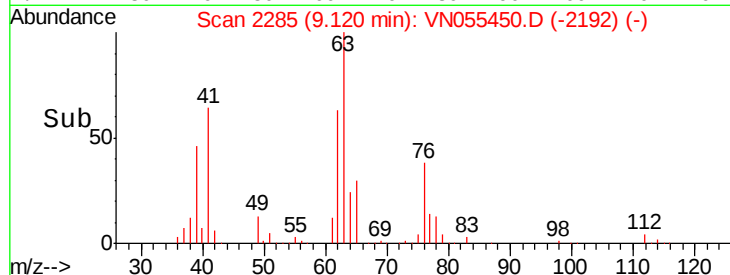
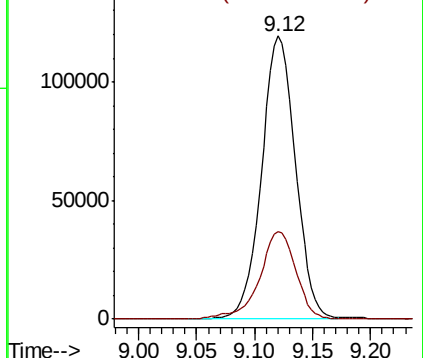
63 100

65 31.0 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 52.955 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

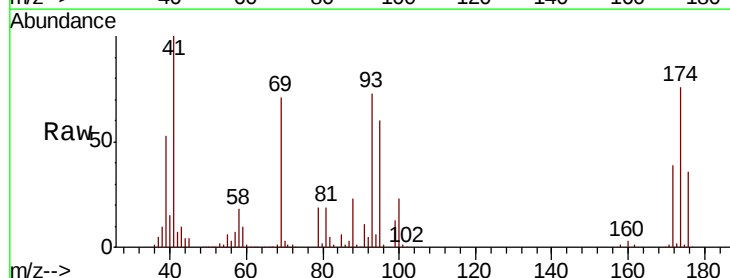
Tgt Ion: 93 Resp: 137584

Ion Ratio Lower Upper

93 100

95 83.3 65.7 98.5

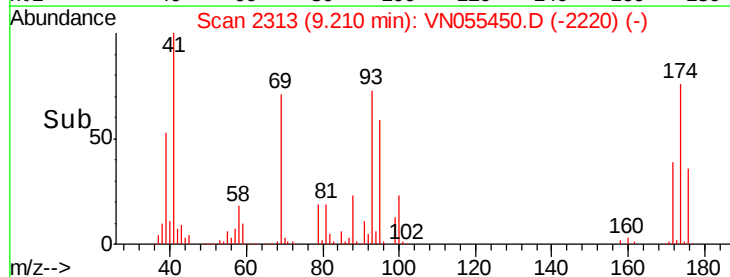
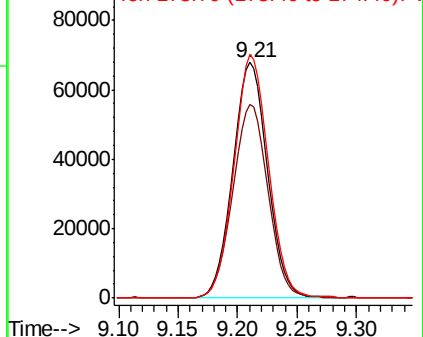
174 102.6 81.5 122.3



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.060 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

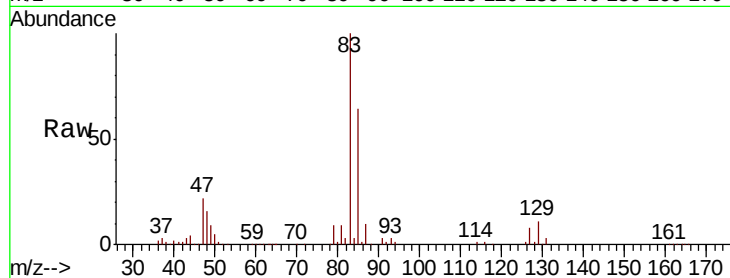
Tot Ion: 83 Resp: 295748

Ion Ratio Lower Upper

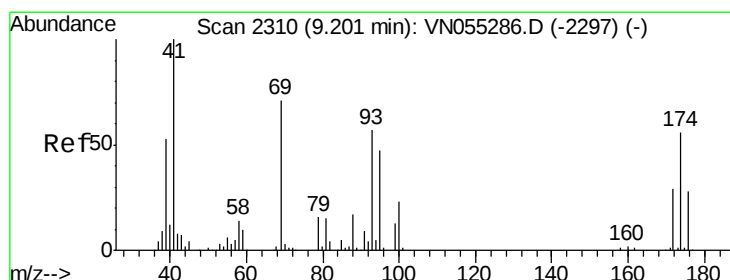
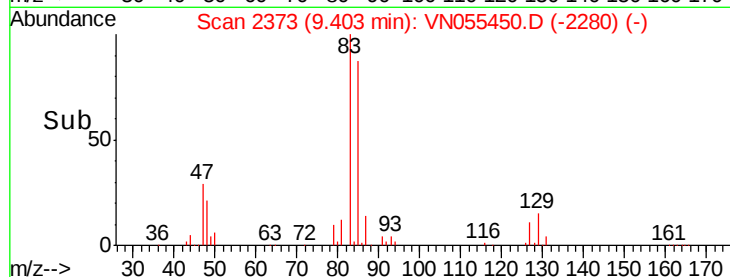
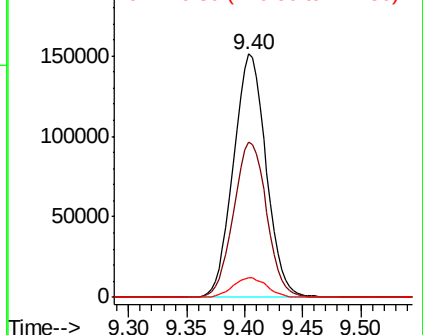
83 100

85 63.7 50.1 75.1

127 8.1 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 66.424 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

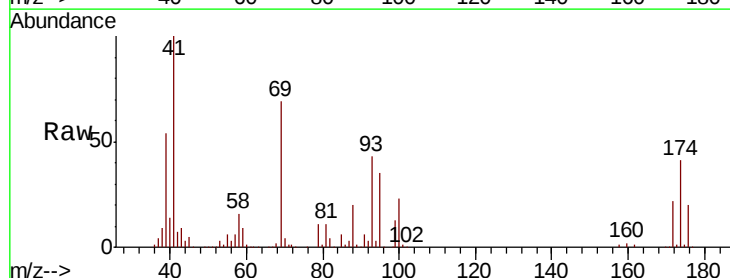
Tgt Ion: 41 Resp: 224849

Ion Ratio Lower Upper

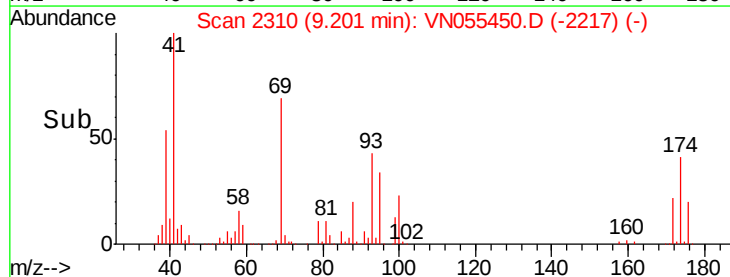
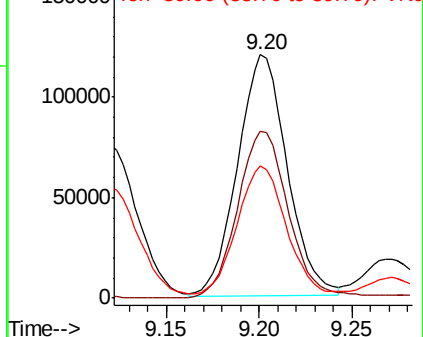
41 100

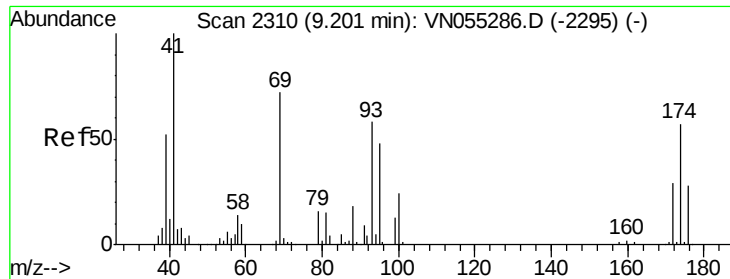
69 72.5 58.6 87.8

39 55.1 43.8 65.6



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 1507.308 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

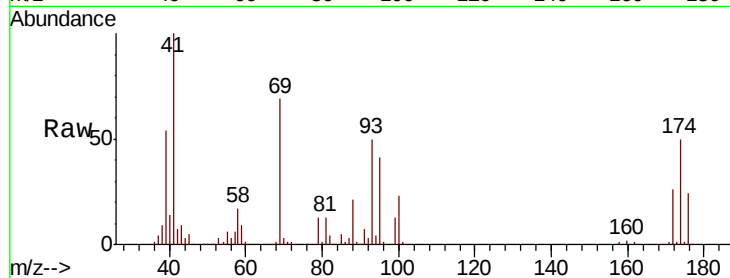
Tot Ion: 88 Resp: 52744

Ion Ratio Lower Upper

88 100

43 38.8 33.3 49.9

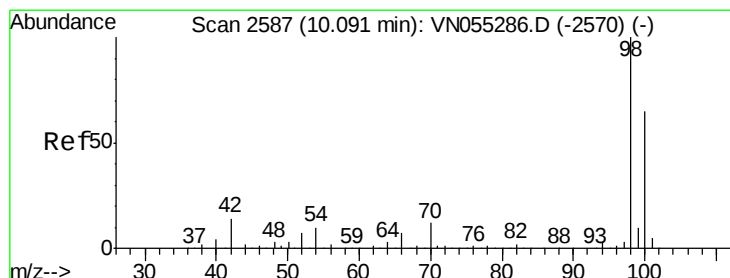
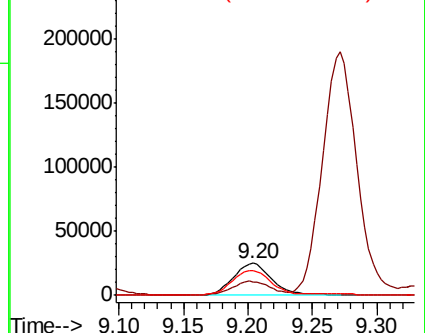
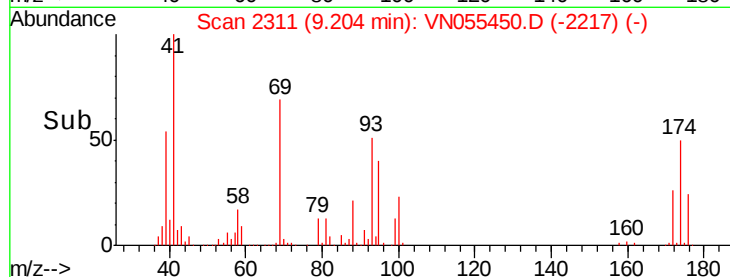
58 78.9 62.7 94.1



Abundance Ion 88.00 (87.70 to 88.70): VN055450.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN055450.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN055450.D (-2217) (-)



#50

Toluene-d8

Concen: 48.986 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055450.D

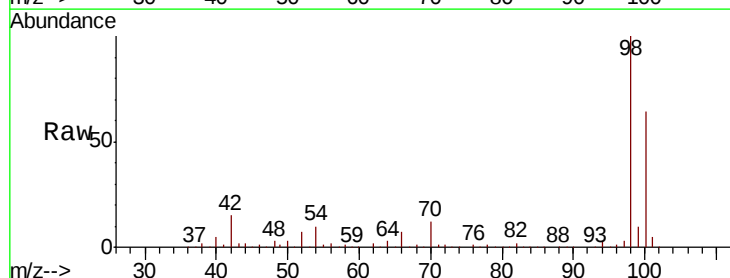
Acq: 7 May 2019 20:57

Tgt Ion: 98 Resp: 677628

Ion Ratio Lower Upper

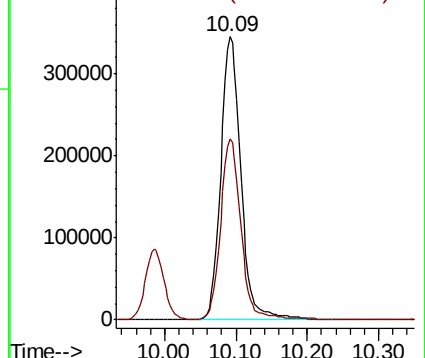
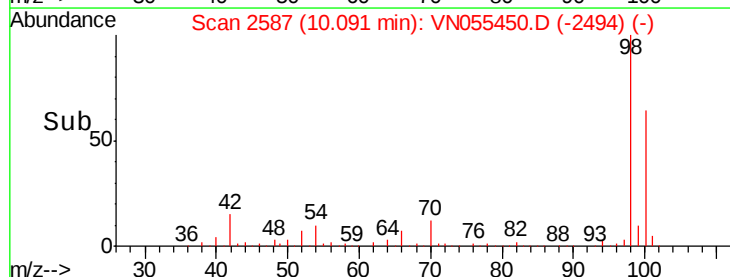
98 100

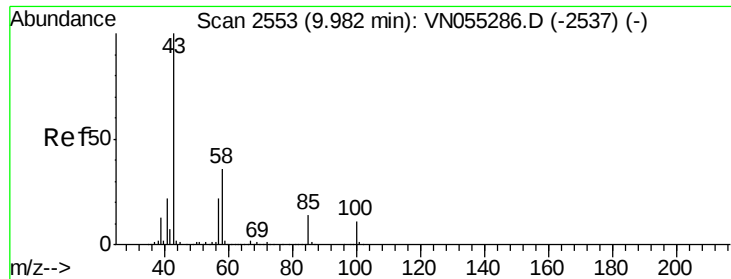
100 64.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055450.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055450.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 360.991 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

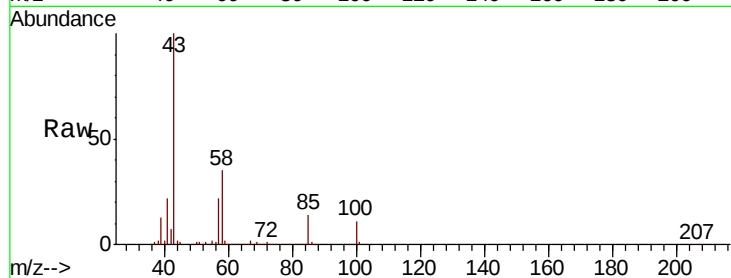
VSTDCCC050

Tot Ion: 43 Resp: 1399478

Ion Ratio Lower Upper

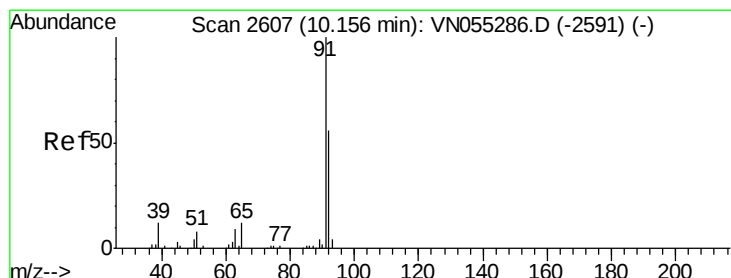
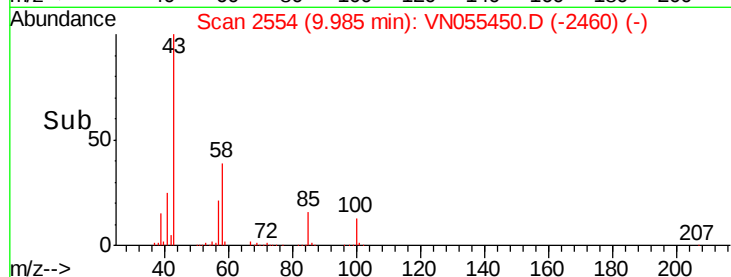
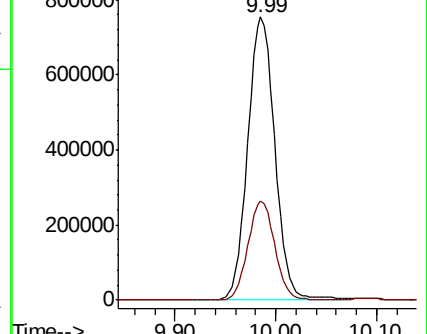
43 100

58 34.7 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.186 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055450.D

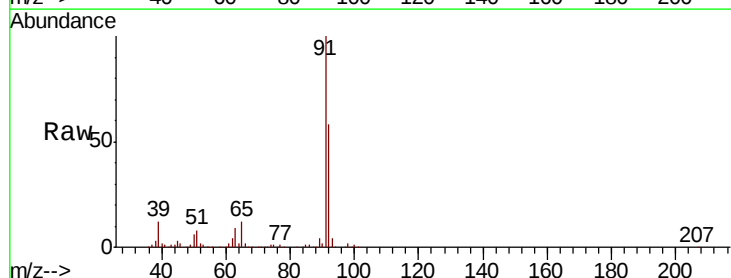
Acq: 7 May 2019 20:57

Tgt Ion: 92 Resp: 484016

Ion Ratio Lower Upper

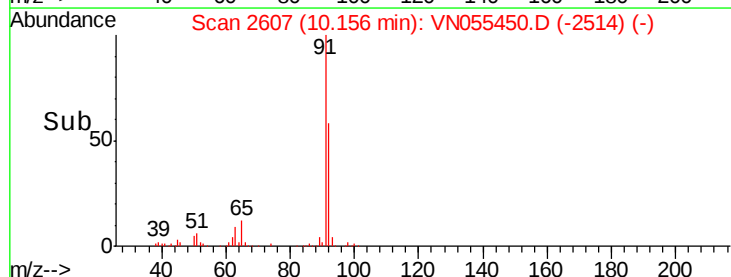
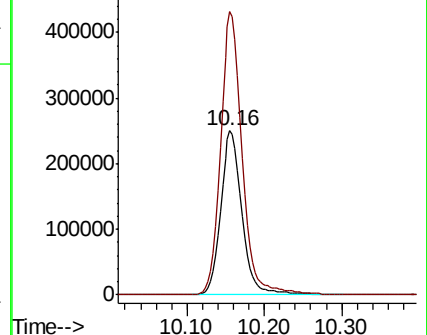
92 100

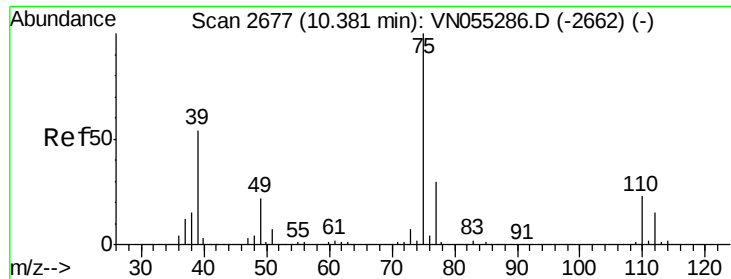
91 174.6 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 57.998 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

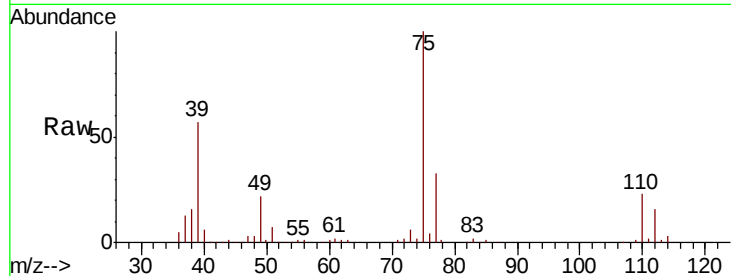
VSTDCCC050

Tot Ion: 75 Resp: 280631

Ion Ratio Lower Upper

75 100

77 32.8 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

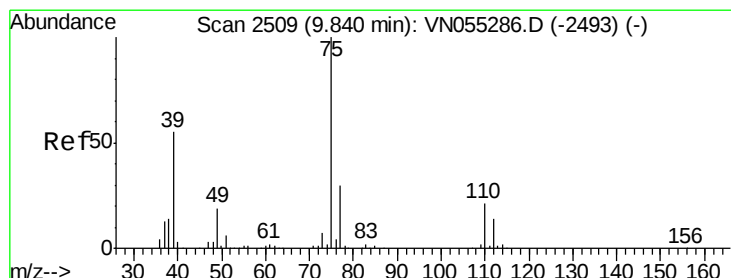
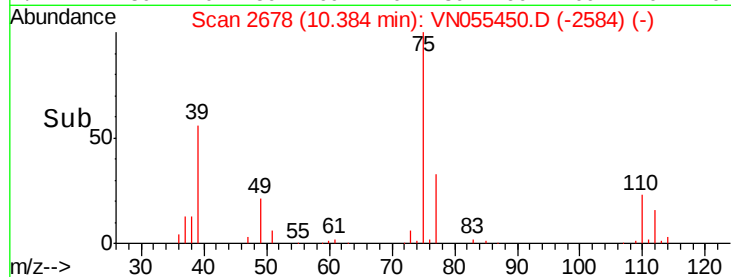
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 55.146 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

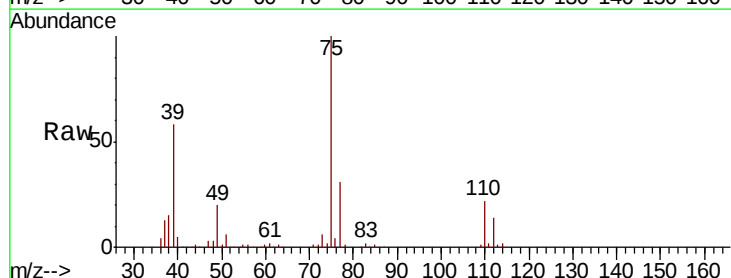
Tgt Ion: 75 Resp: 332689

Ion Ratio Lower Upper

75 100

77 31.1 24.2 36.2

39 57.6 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

9.84

250000

200000

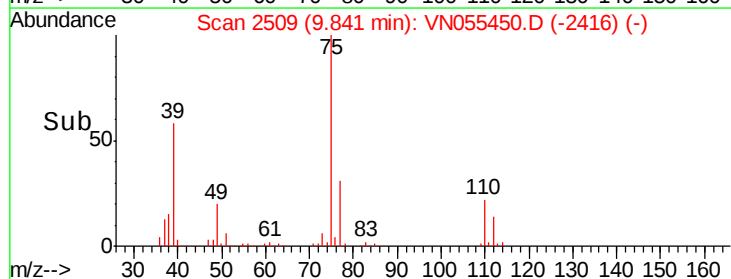
150000

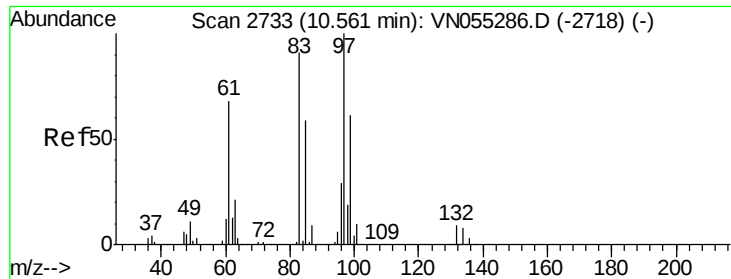
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 57.106 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

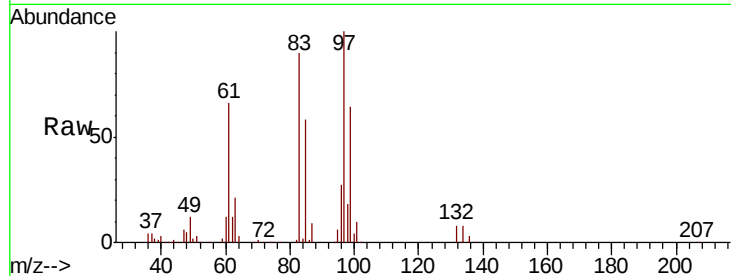
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 200521

Ion	Ratio	Lower	Upper
97	100		
83	90.4	72.8	109.2
85	57.9	47.0	70.6
99	63.4	49.0	73.4

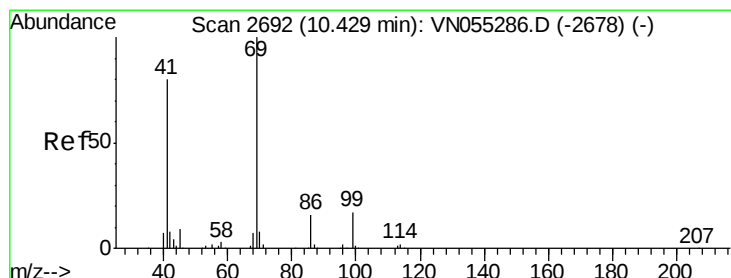
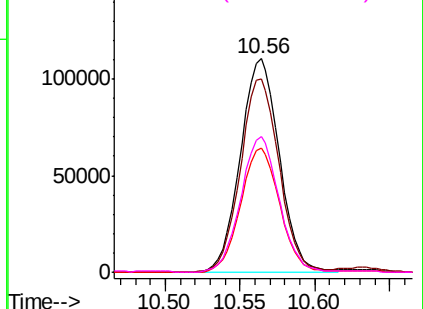
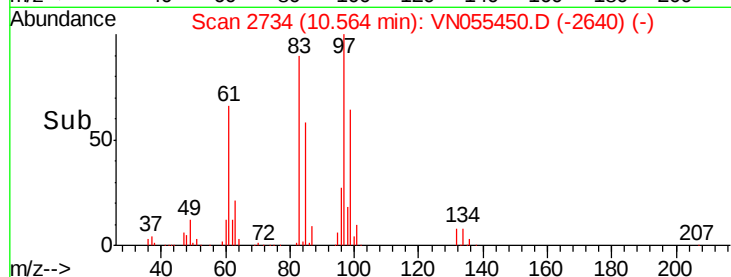


Abundance Ion 96.90 (96.60 to 97.60): VNO

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: 65.475 ug/l

RT: 10.43 min Scan# 2692

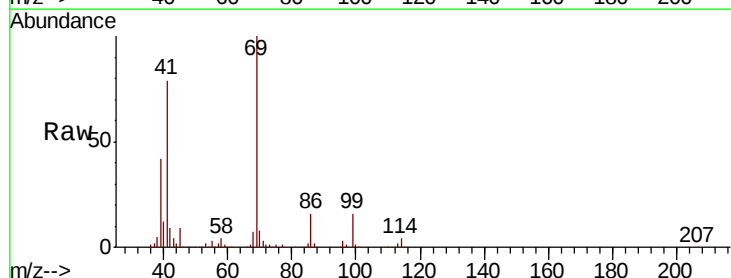
Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Tgt Ion: 69 Resp: 282983

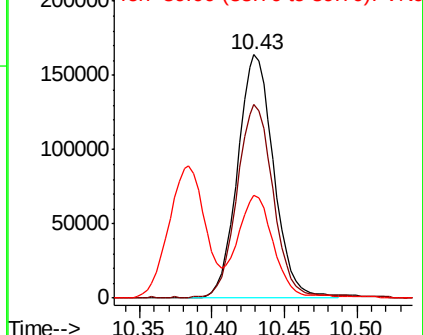
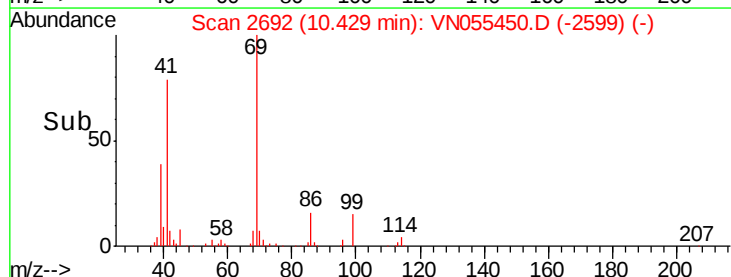
Ion	Ratio	Lower	Upper
69	100		
41	79.7	62.7	94.1
39	42.4	32.0	48.0

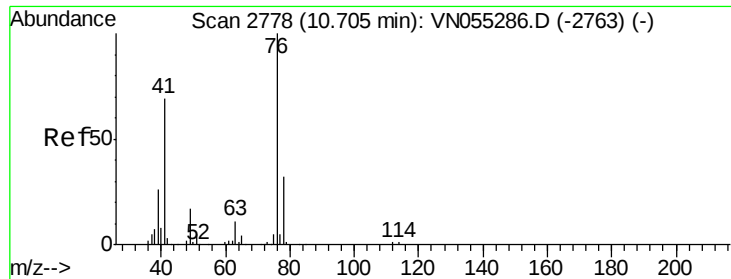


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 56.282 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

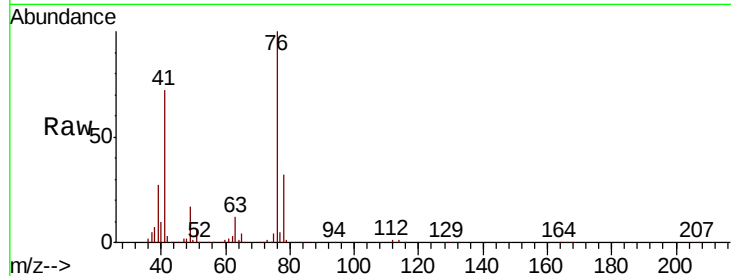
VSTDCCC050

Tot Ion: 76 Resp: 34696

Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

200000

150000

100000

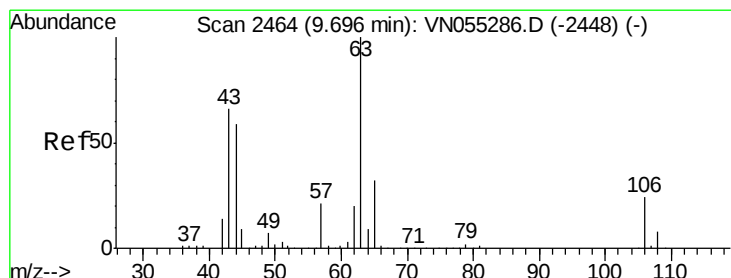
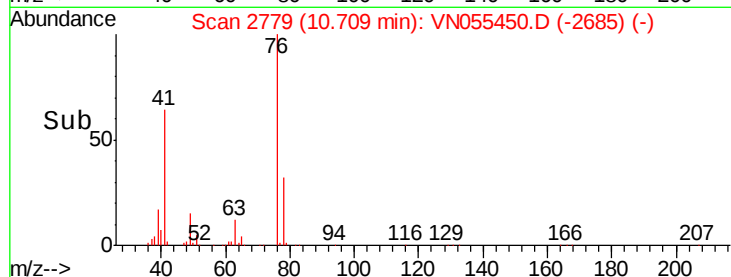
50000

0

10.71

10.60 10.70 10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 292.288 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055450.D

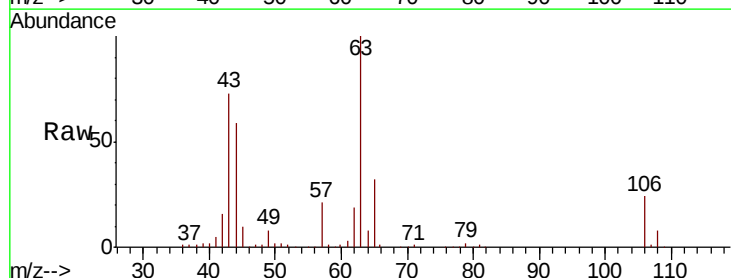
Acq: 7 May 2019 20:57

Tgt Ion: 63 Resp: 395014

Ion Ratio Lower Upper

63 100

106 23.0 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

250000

200000

150000

100000

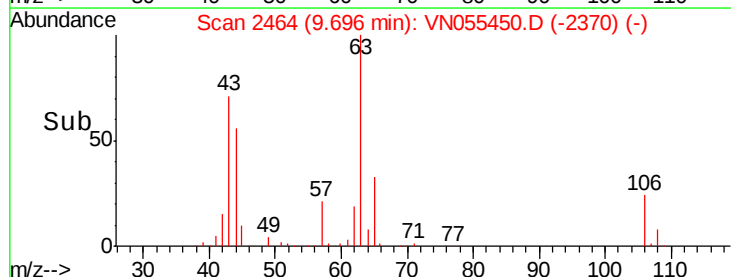
50000

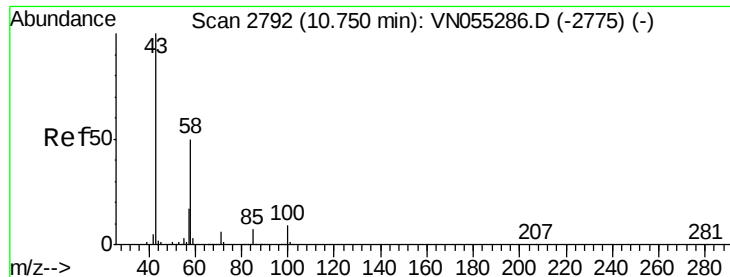
0

9.70

9.60 9.70 9.80

Time-->

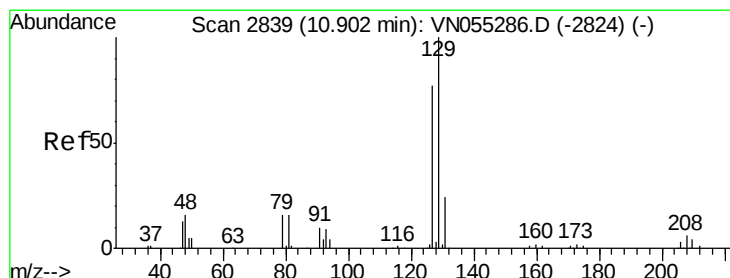
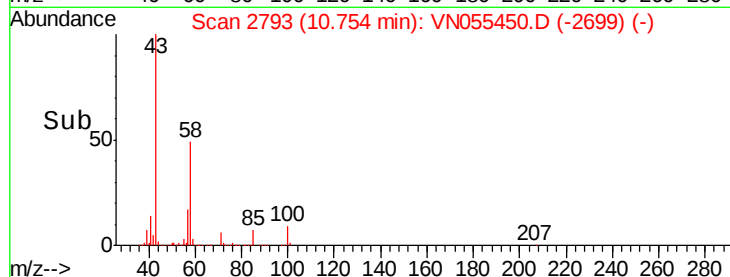
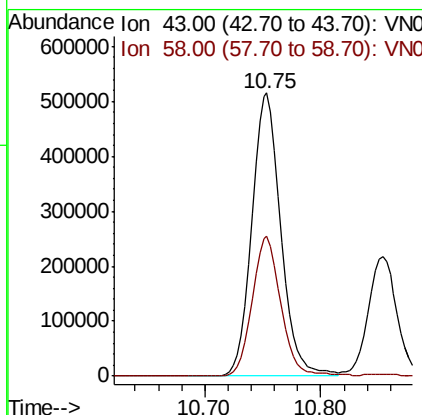
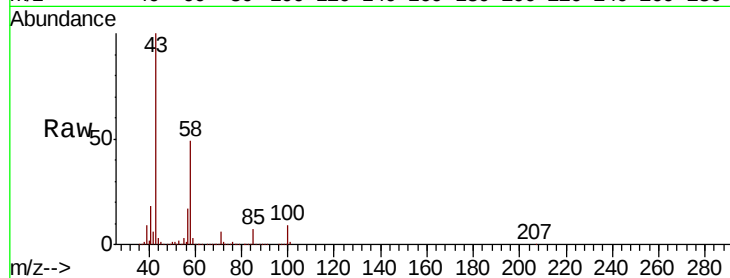




#59
2-Hexanone
Concen: 371.435 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

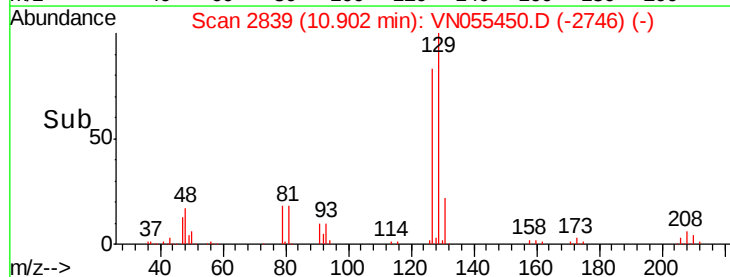
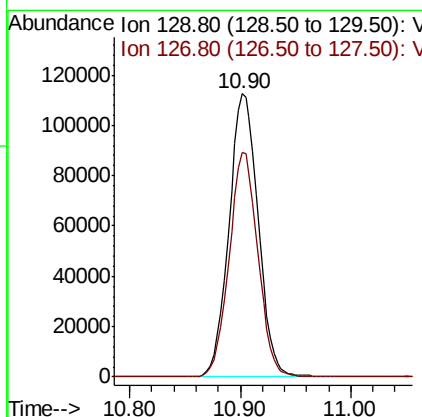
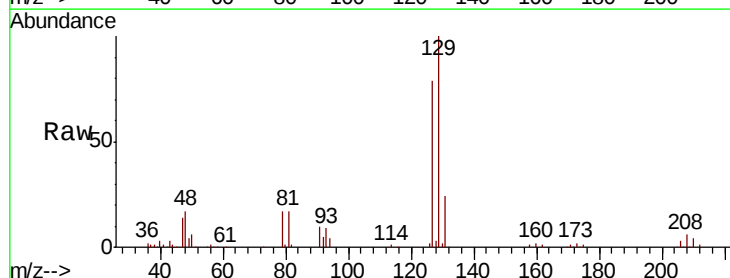
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

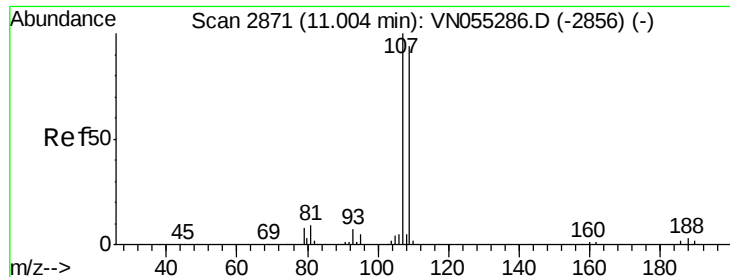
Tot Ion: 43 Resp: 900966
Ion Ratio Lower Upper
43 100
58 48.9 24.9 74.6



#60
Dibromochloromethane
Concen: 57.622 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion: 129 Resp: 206794
Ion Ratio Lower Upper
129 100
127 77.9 38.1 114.5





#61

1,2-Dibromoethane

Concen: 57.568 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

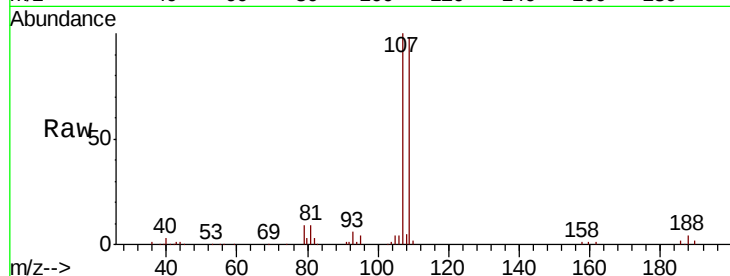
VSTDCCC050

Tot Ion: 107 Resp: 186839

Ion Ratio Lower Upper

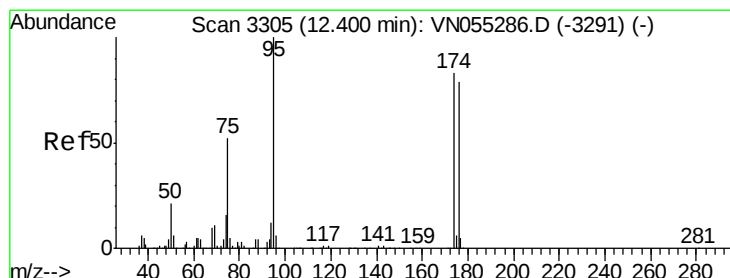
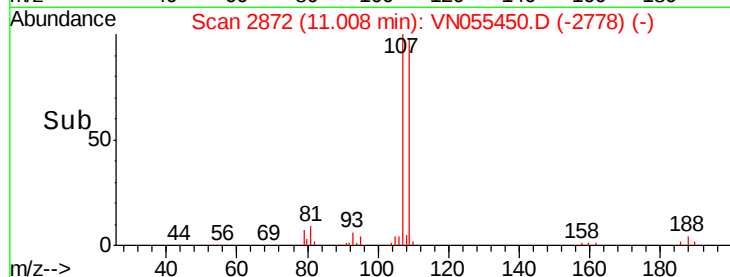
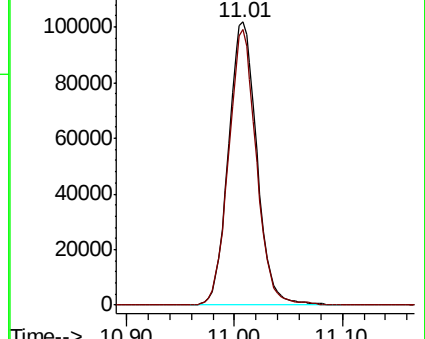
107 100

109 95.1 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: 56.000 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

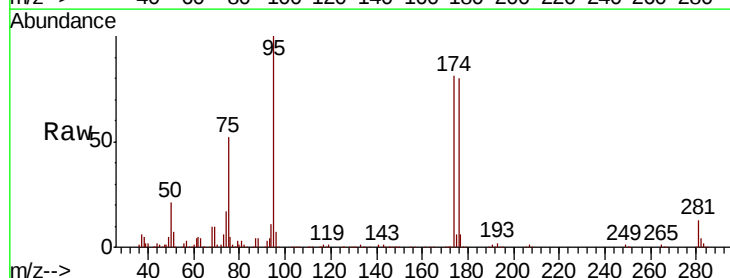
Tgt Ion: 95 Resp: 242104

Ion Ratio Lower Upper

95 100

174 81.8 0.0 166.6

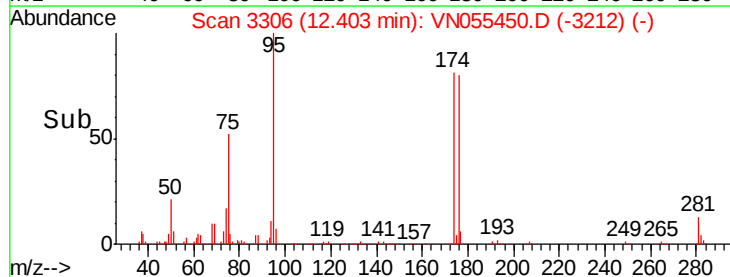
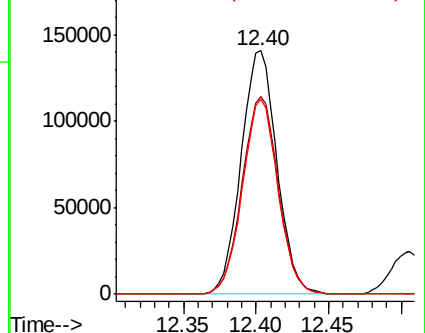
176 79.4 0.0 157.8

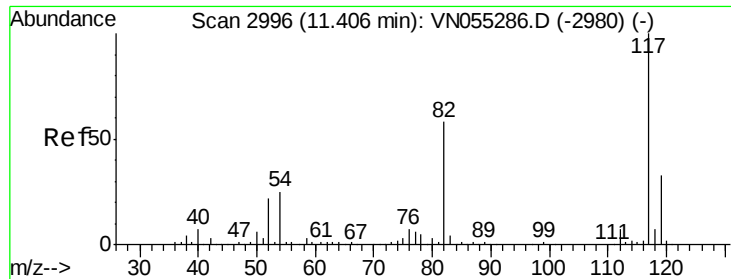


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

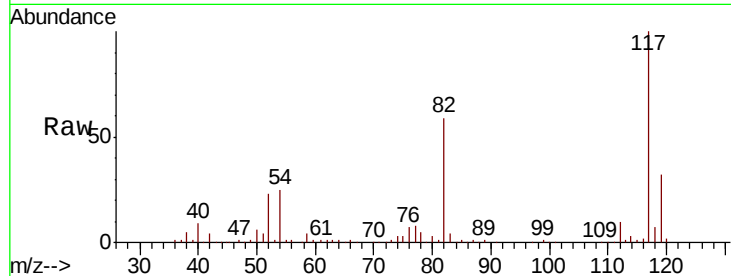




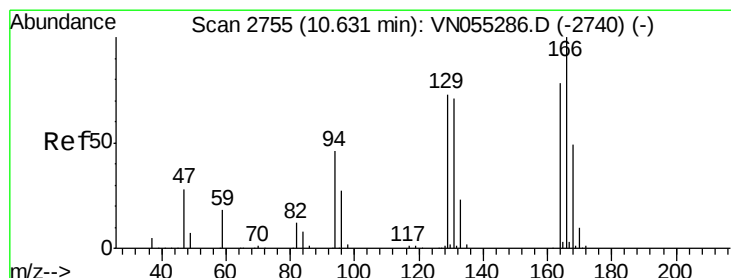
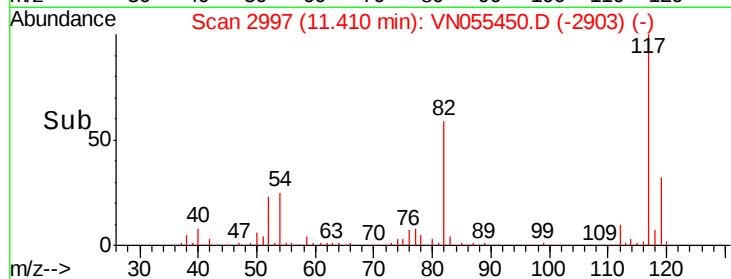
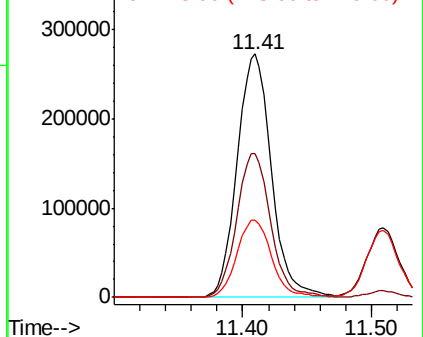
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 505517
Ion Ratio Lower Upper
117 100
82 59.3 46.2 69.4
119 31.8 26.6 40.0

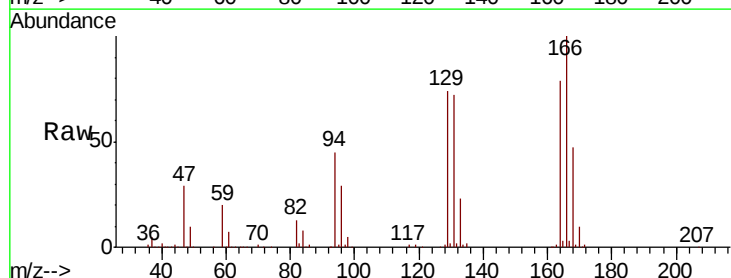


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

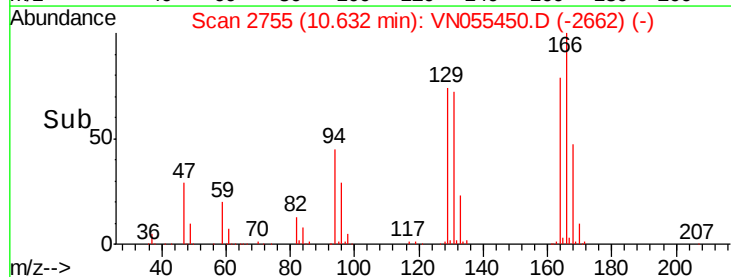
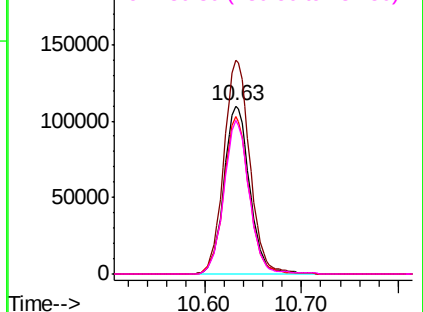


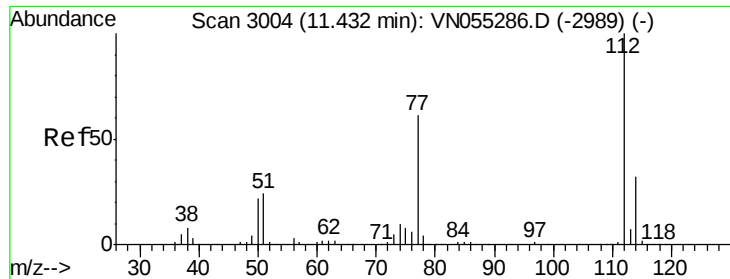
#64
Tetrachloroethene
Concen: 48.984 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion:164 Resp: 202499
Ion Ratio Lower Upper
164 100
166 127.3 102.3 153.5
129 93.8 75.0 112.6
131 91.2 72.7 109.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

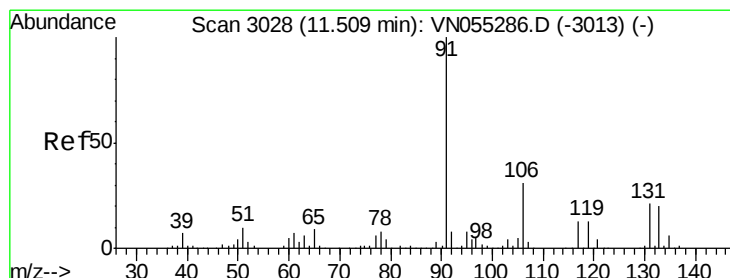
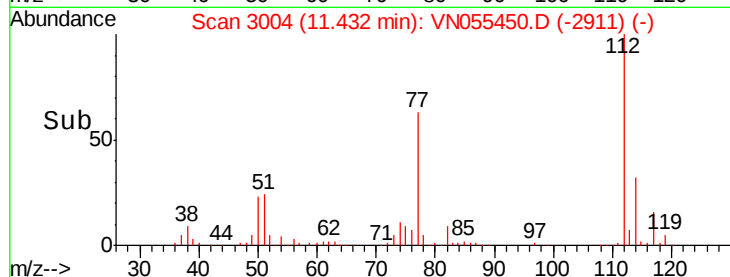
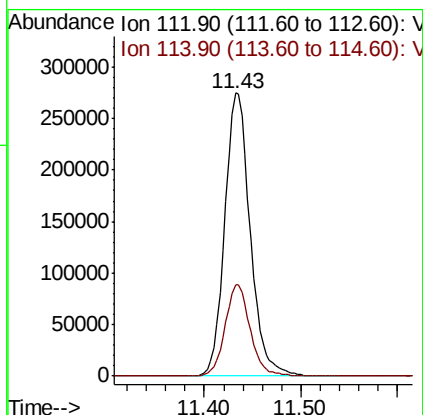
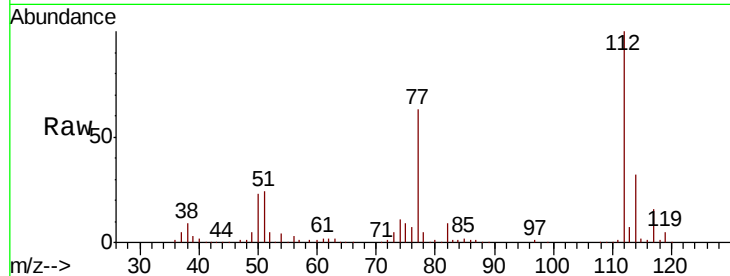




#65
Chlorobenzene
Concen: 50.734 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

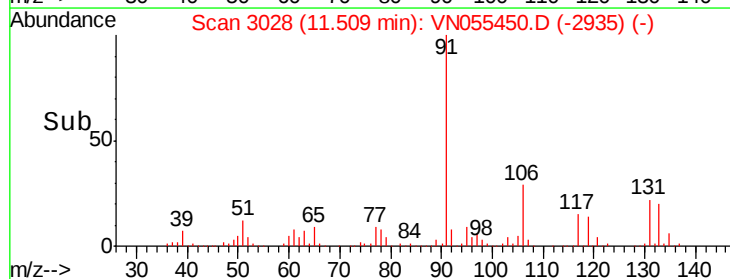
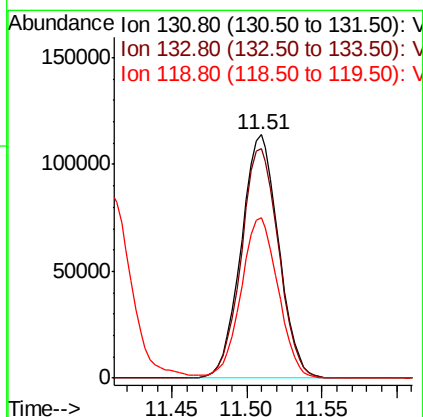
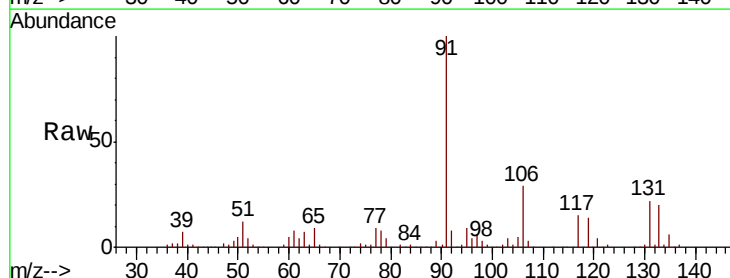
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 501430
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.233 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion:131 Resp: 198274
Ion Ratio Lower Upper
131 100
133 94.7 47.5 142.6
119 65.5 32.7 98.1

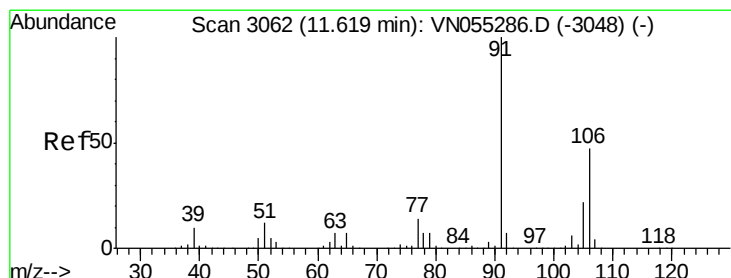
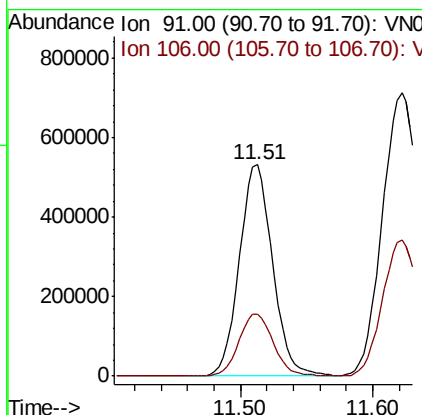
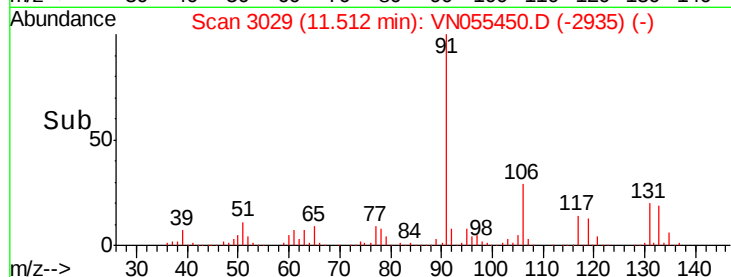
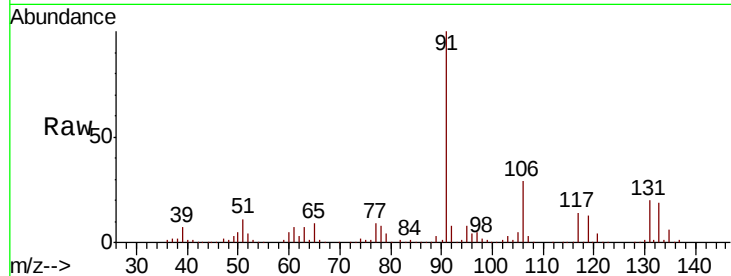




#67
Ethyl Benzene
Concen: 51.998 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

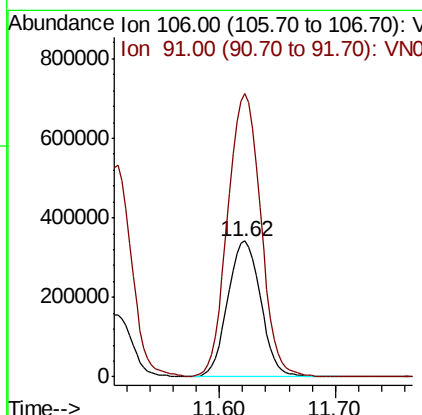
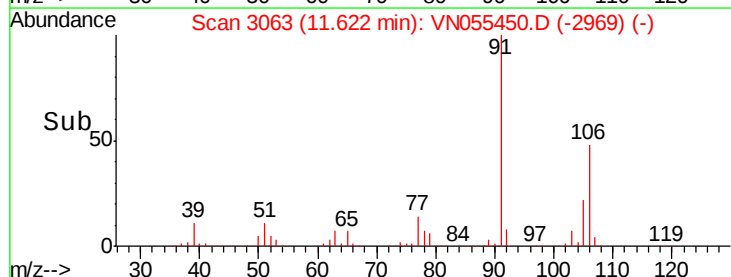
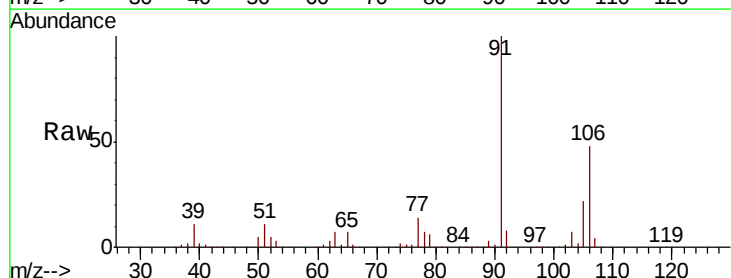
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

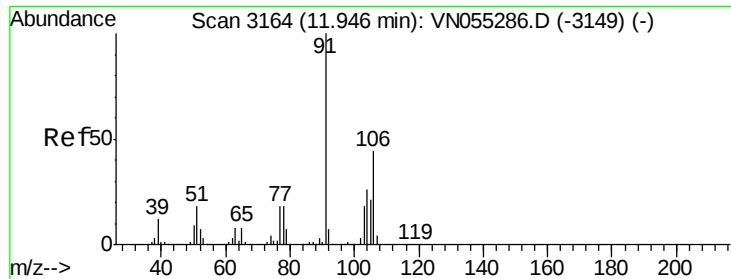
Tot Ion: 91 Resp: 928038
Ion Ratio Lower Upper
91 100
106 29.4 24.6 36.8



#68
m/p-Xylenes
Concen: 105.757 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion: 106 Resp: 673736
Ion Ratio Lower Upper
106 100
91 209.3 169.5 254.3

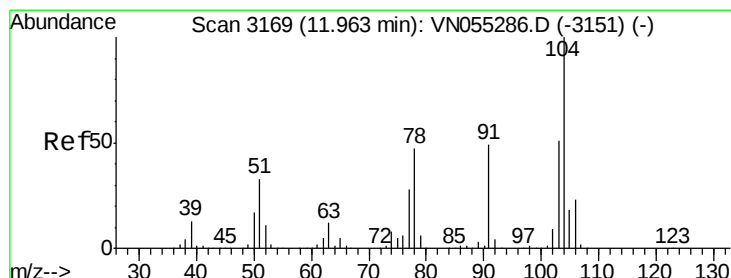
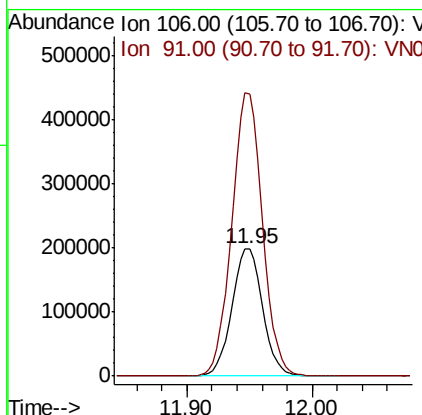
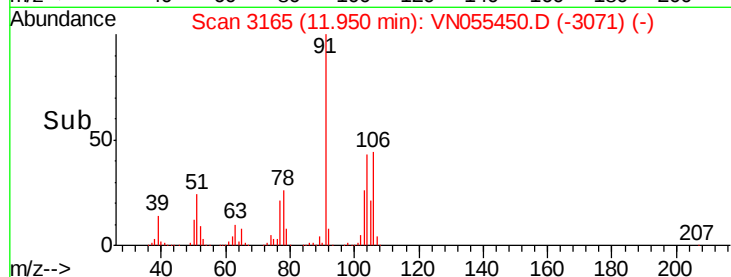
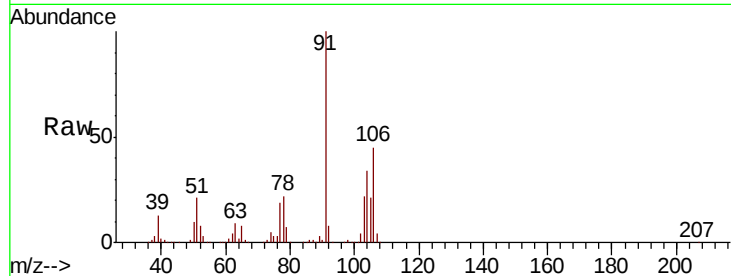




#69
o-Xylene
Concen: 53.364 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

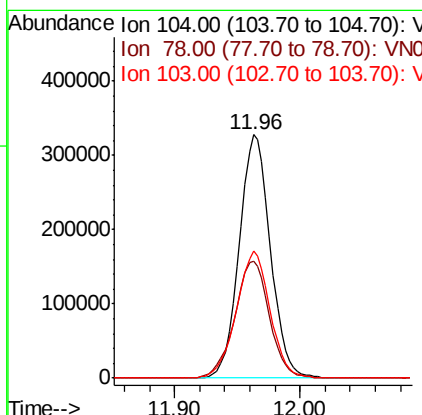
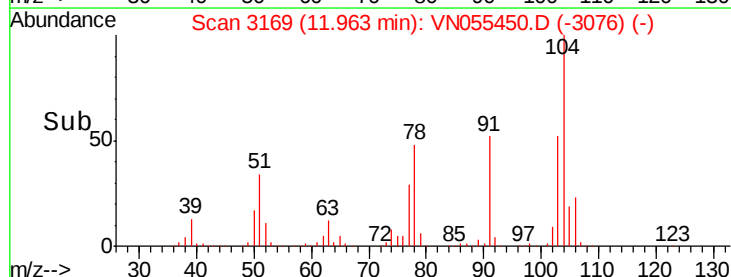
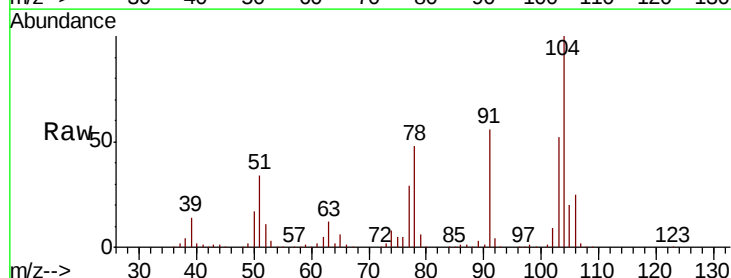
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

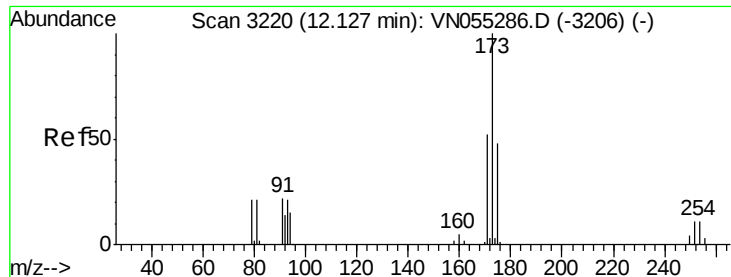
Tot Ion:106 Resp: 336957
Ion Ratio Lower Upper
106 100
91 222.2 111.5 334.5



#70
Styrene
Concen: 58.372 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion:104 Resp: 565918
Ion Ratio Lower Upper
104 100
78 53.3 42.2 63.2
103 56.5 44.6 67.0

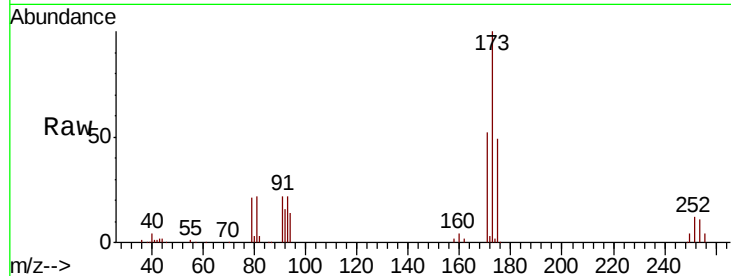




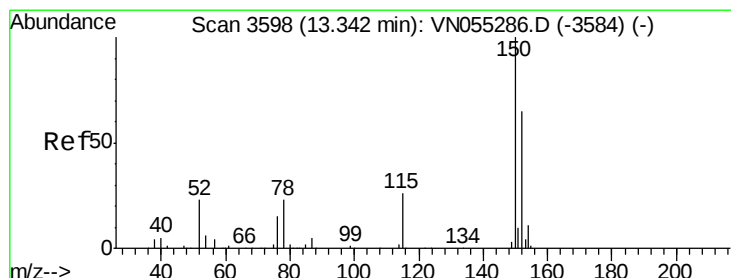
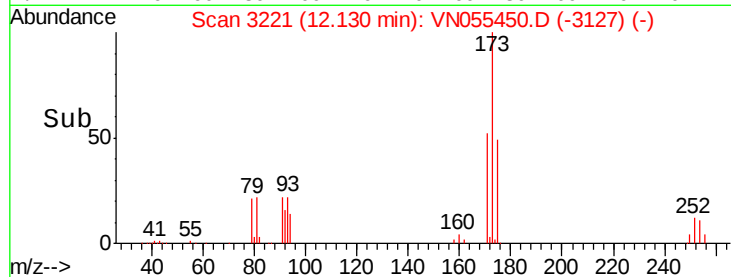
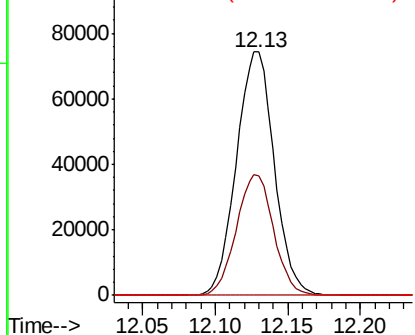
#71
Bromoform
Concen: 62.714 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 134676
Ion Ratio Lower Upper
173 100
175 48.7 23.6 71.0
254 0.0 0.0 0.0

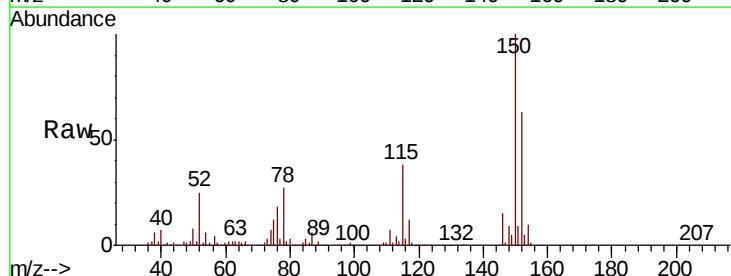


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

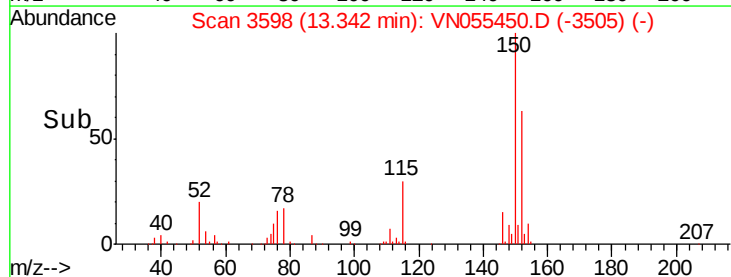
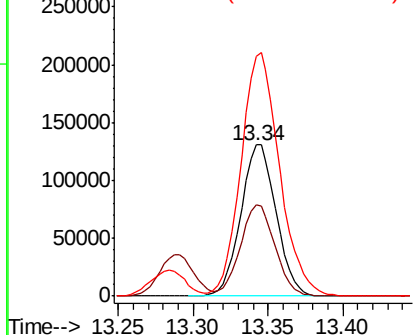


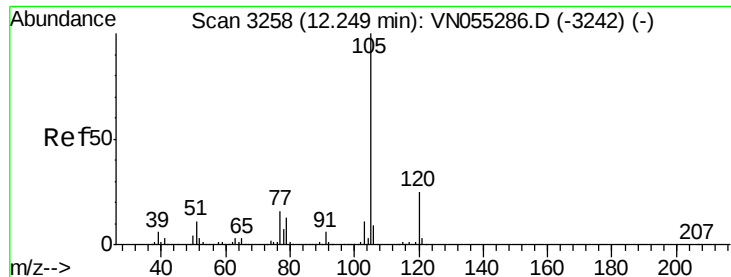
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion:152 Resp: 214295
Ion Ratio Lower Upper
152 100
115 59.2 29.0 87.0
150 176.1 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: 53.856 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

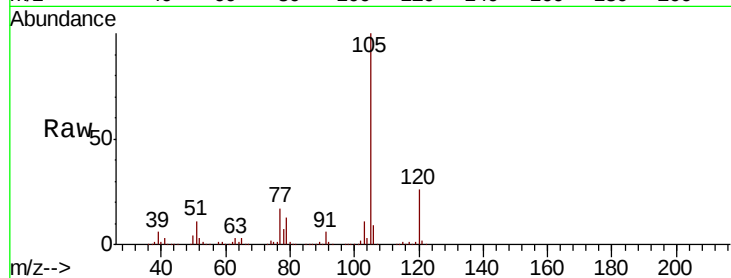
VSTDCCC050

Tot Ion:105 Resp: 914161

Ion Ratio Lower Upper

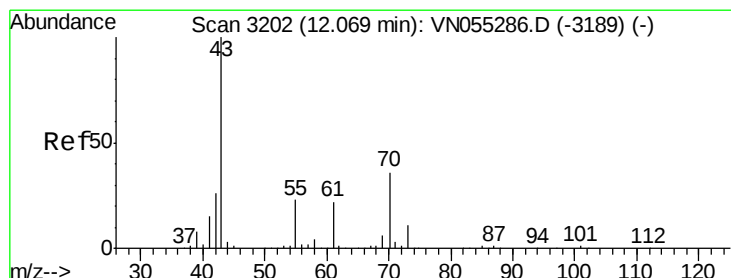
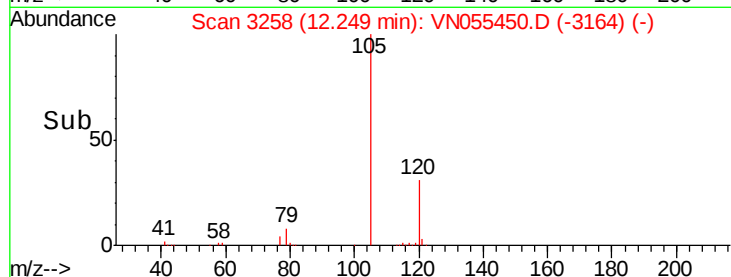
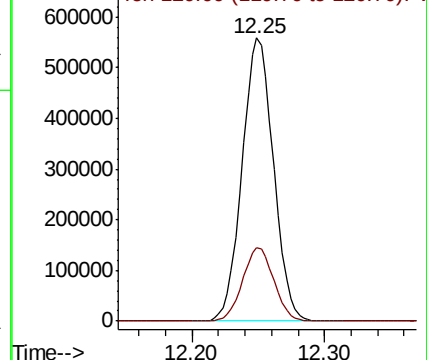
105 100

120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 67.433 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Tgt Ion: 43 Resp: 370859

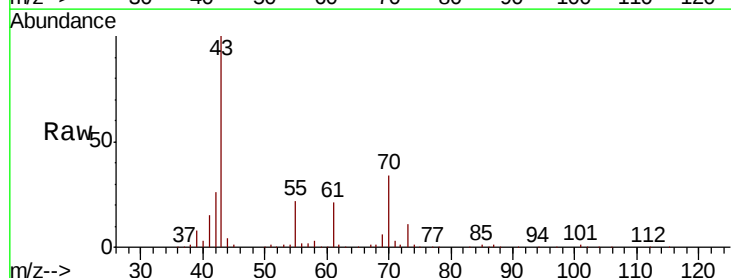
Ion Ratio Lower Upper

43 100

70 34.6 27.9 41.9

55 22.3 18.2 27.2

61 21.0 16.9 25.3

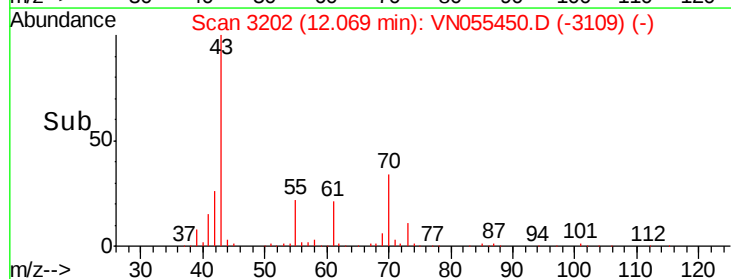
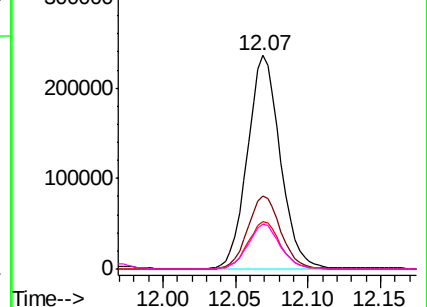


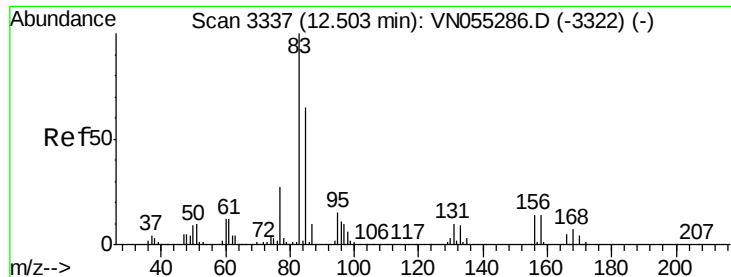
Abundance Ion 43.00 (42.70 to 43.70): VN0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 62.990 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

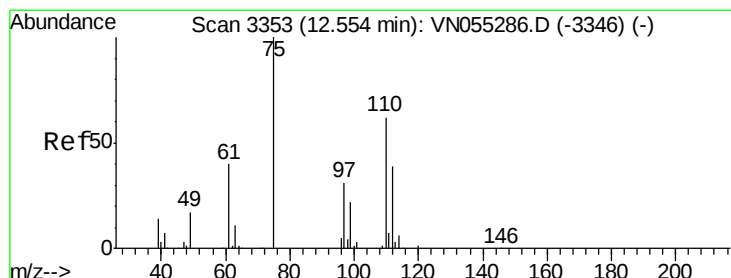
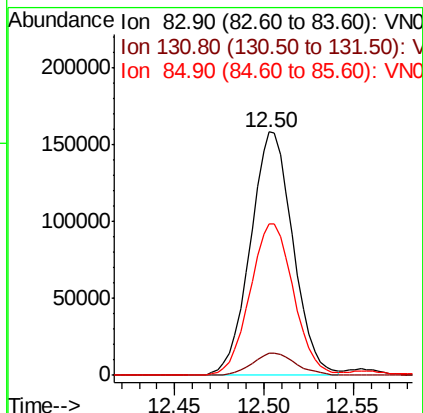
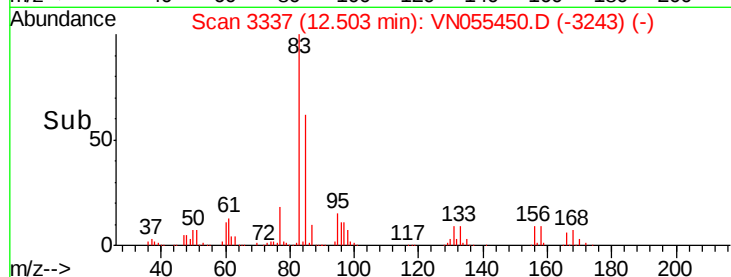
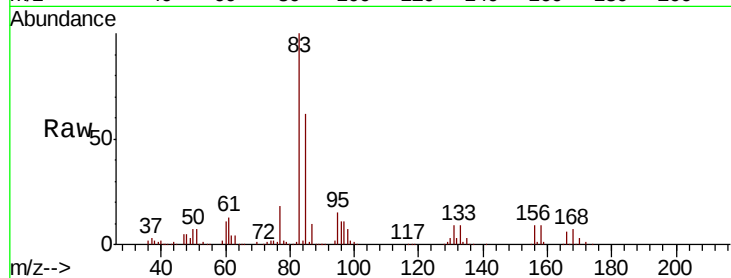
Tot Ion: 83 Resp: 263942

Ion Ratio Lower Upper

83 100

131 9.4 5.1 15.2

85 63.7 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 81.033 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055450.D

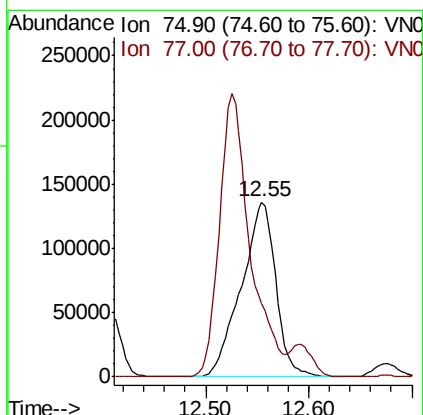
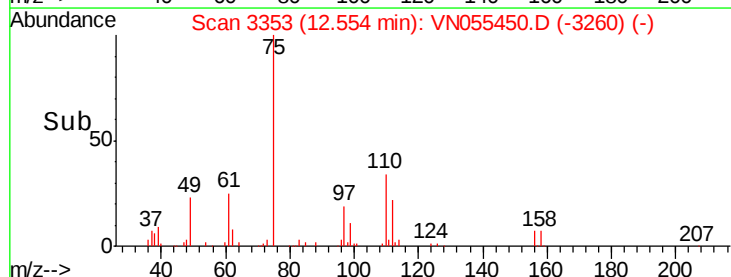
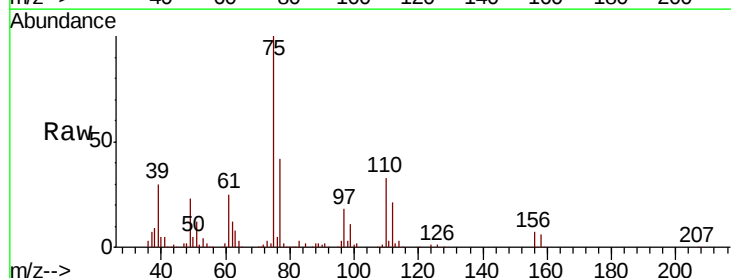
Acq: 7 May 2019 20:57

Tgt Ion: 75 Resp: 316546

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 53.505 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

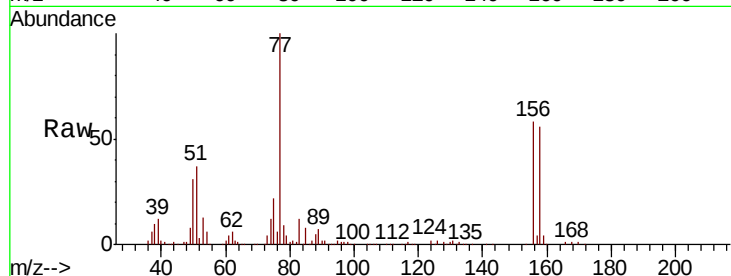
Tot Ion:156 Resp: 218092

Ion Ratio Lower Upper

156 100

77 209.2 99.6 298.8

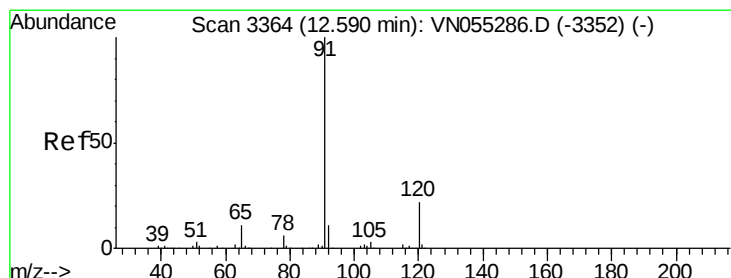
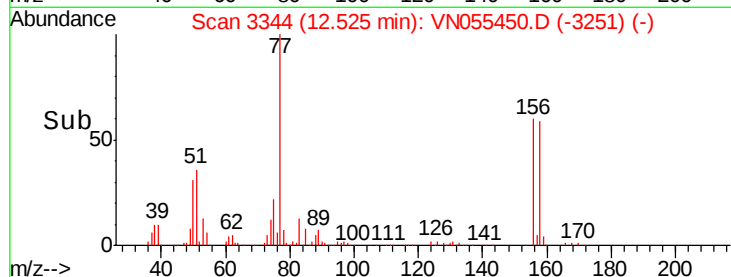
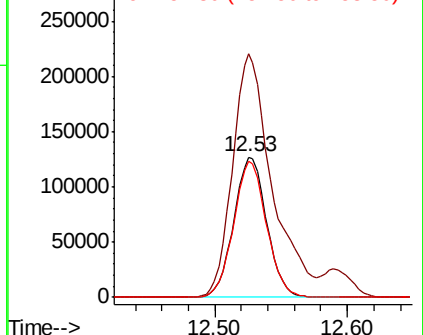
158 97.0 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.363 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN055450.D

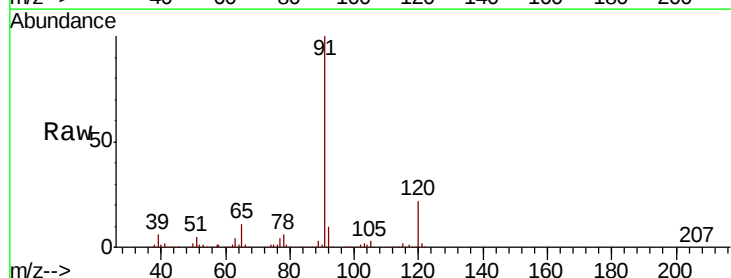
Acq: 7 May 2019 20:57

Tgt Ion: 91 Resp: 1020573

Ion Ratio Lower Upper

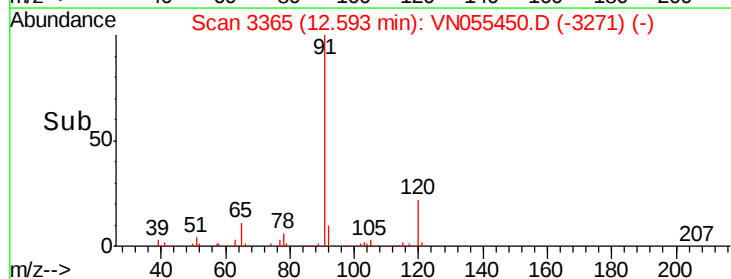
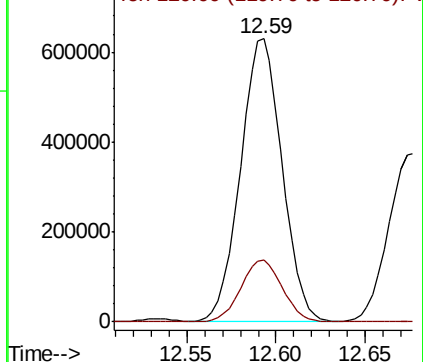
91 100

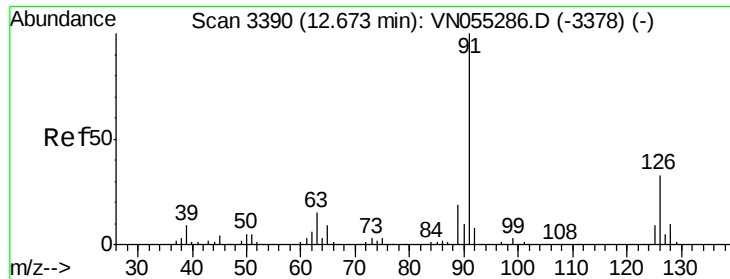
120 21.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

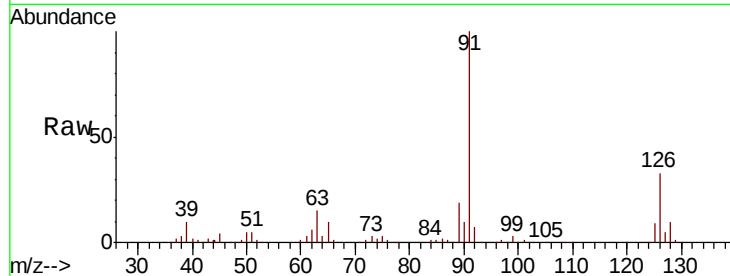




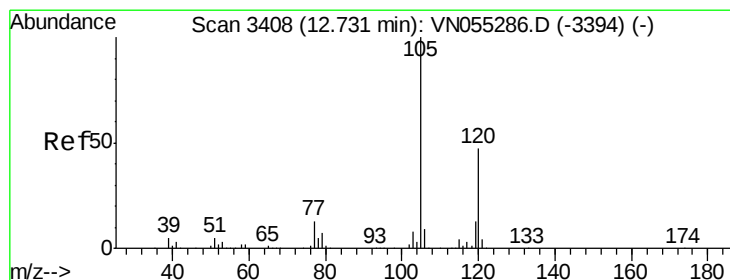
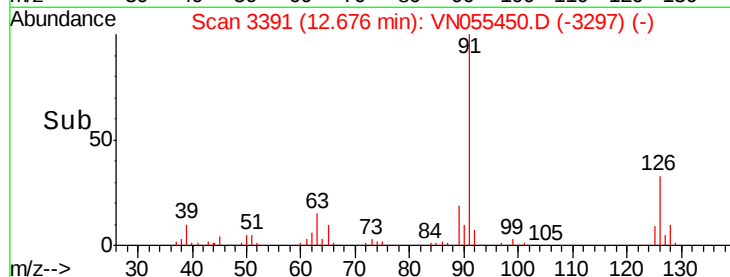
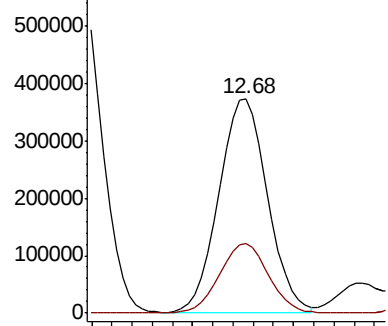
#79
 2-Chlorotoluene
 Concen: 54.175 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 91 Resp: 626593
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.6 49.7

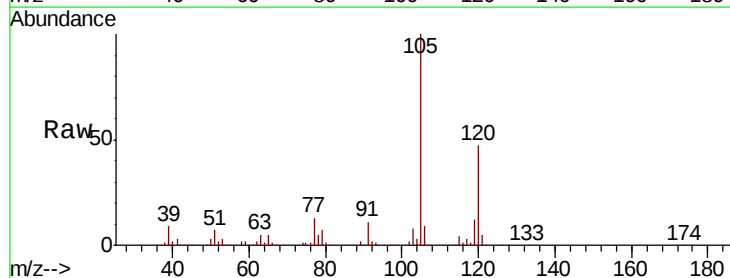


Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3378) (-)
 Ion 125.90 (125.60 to 126.60): VN055286.D (-3378) (-)

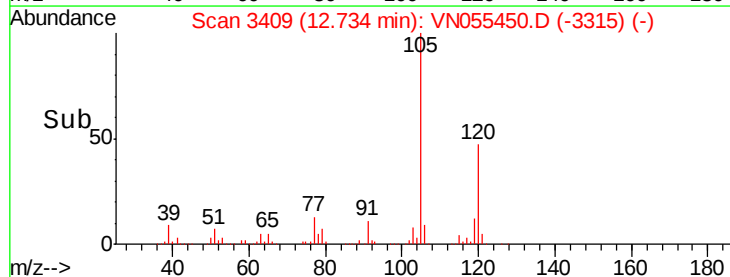
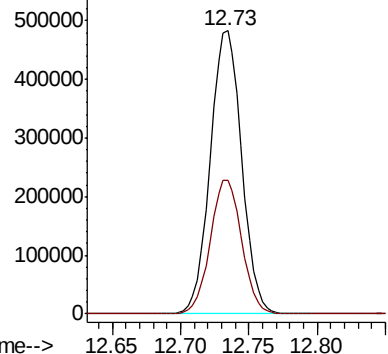


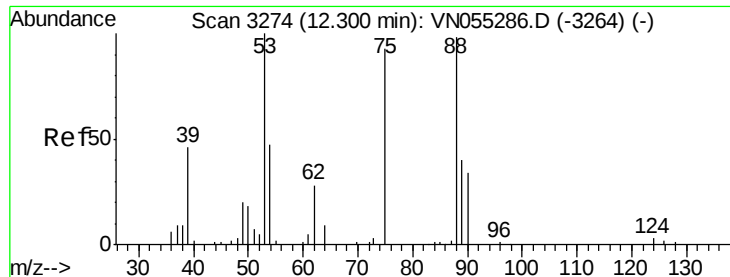
#80
 1,3,5-Trimethylbenzene
 Concen: 45.803 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Tgt Ion: 105 Resp: 769494
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055286.D (-3394) (-)
 Ion 120.00 (119.70 to 120.70): VN055286.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 56.549 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

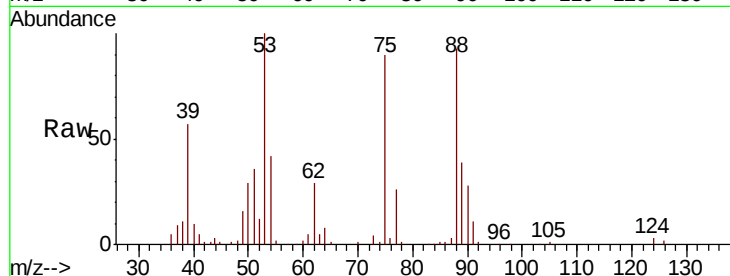
Tot Ion: 75 Resp: 63946

Ion Ratio Lower Upper

75 100

53 113.6 86.3 129.5

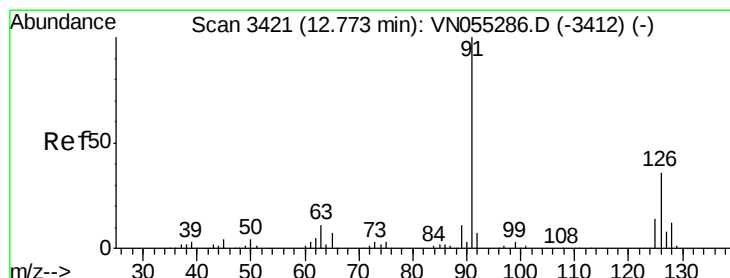
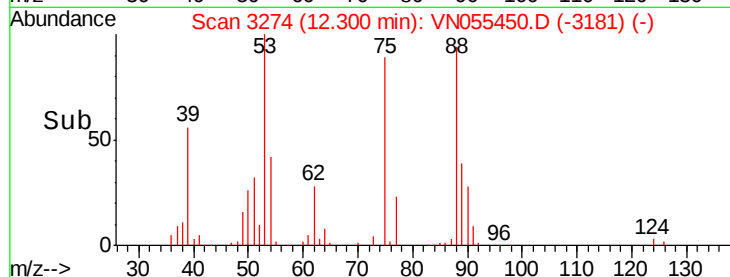
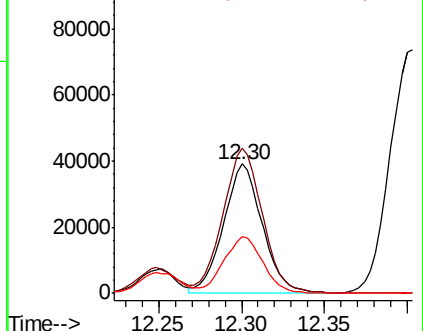
89 44.7 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 47.637 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055450.D

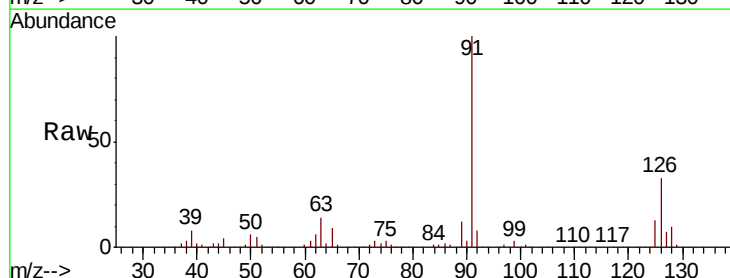
Acq: 7 May 2019 20:57

Tgt Ion: 91 Resp: 609698

Ion Ratio Lower Upper

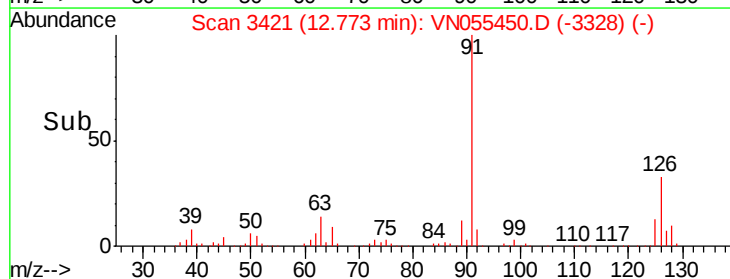
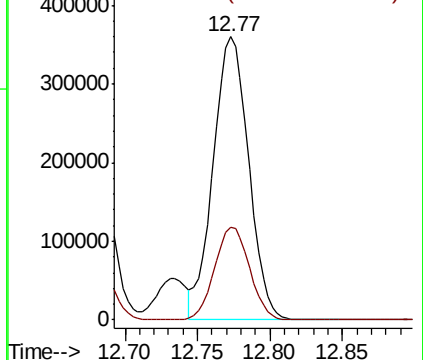
91 100

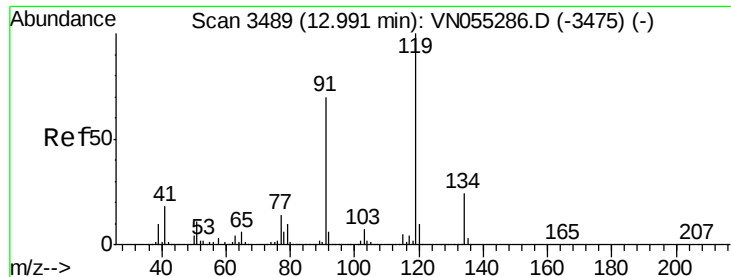
126 32.2 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

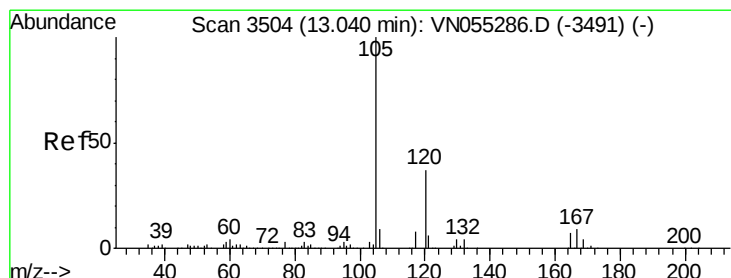
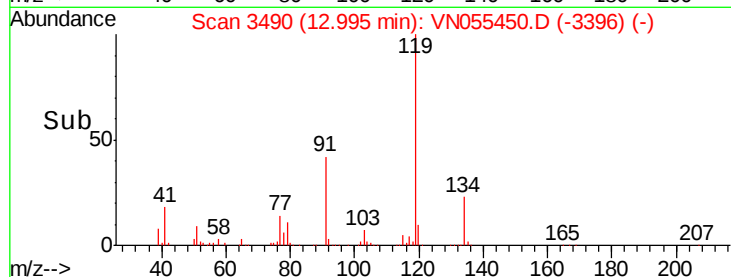
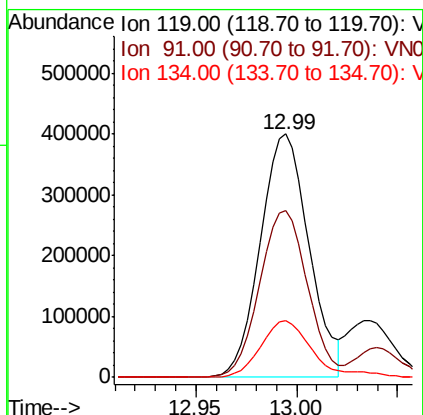
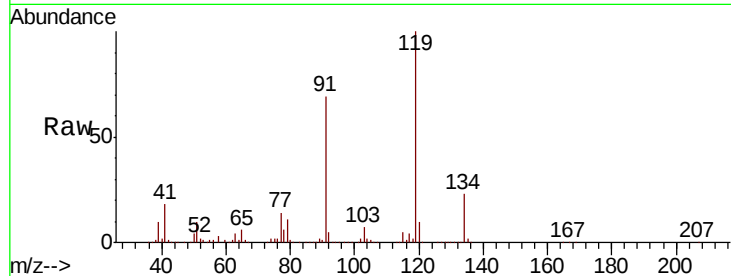




#83
 tert-Butylbenzene
 Concen: 57.084 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

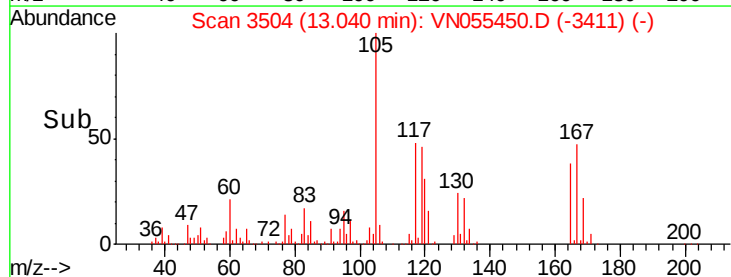
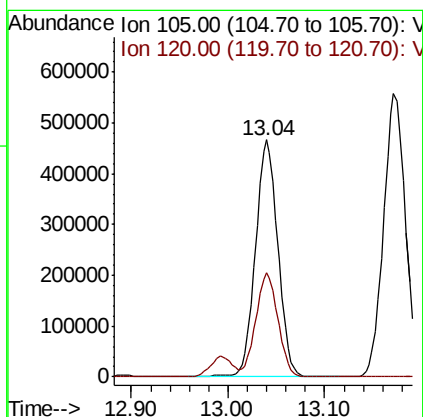
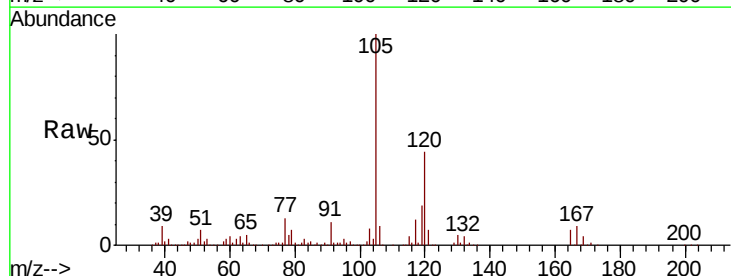
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

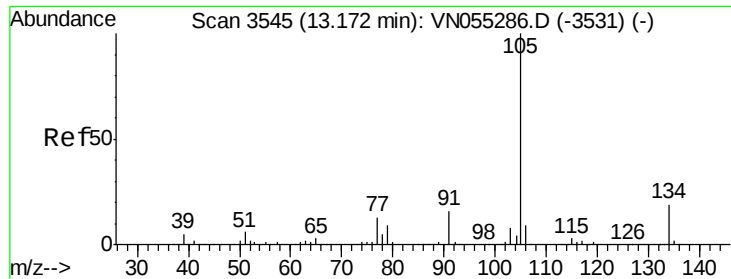
Tot Ion:119 Resp: 673906
 Ion Ratio Lower Upper
 119 100
 91 67.7 34.3 102.9
 134 24.8 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 49.843 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Tgt Ion:105 Resp: 748891
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.1 66.5

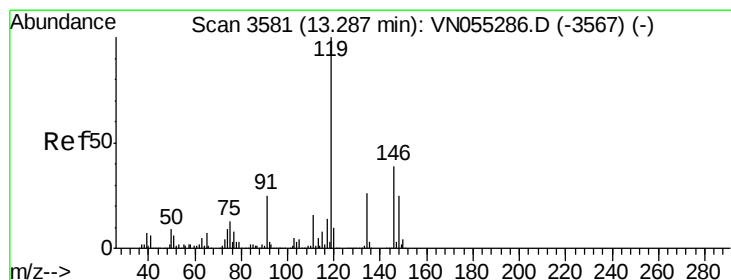
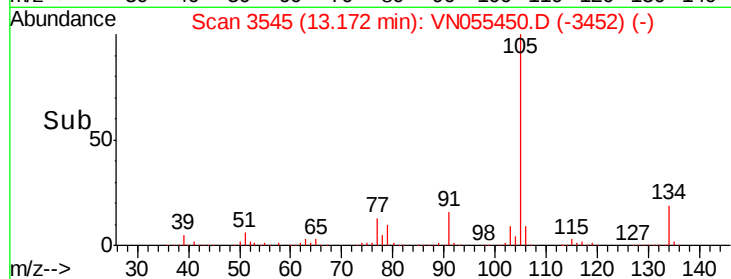
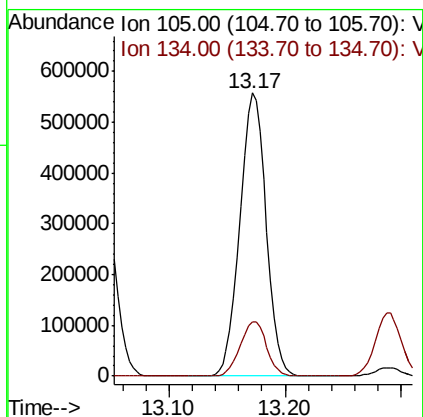
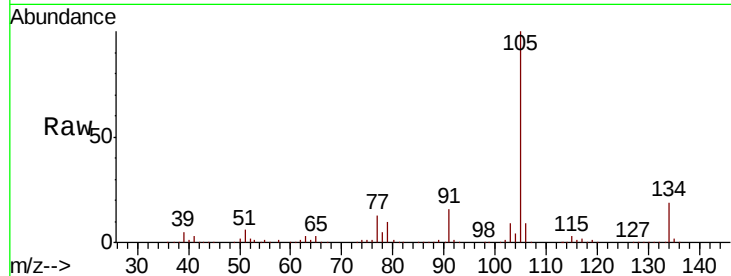




#85
 sec-Butylbenzene
 Concen: 47.955 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

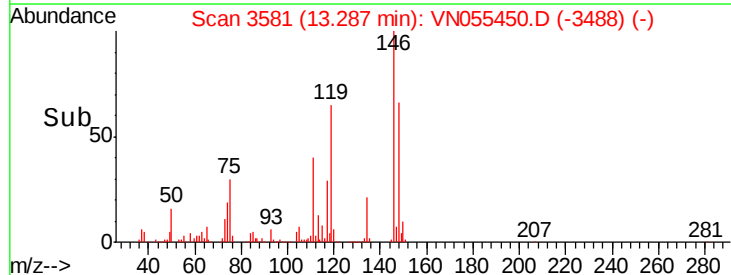
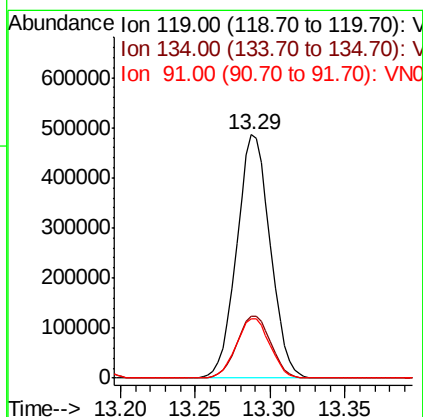
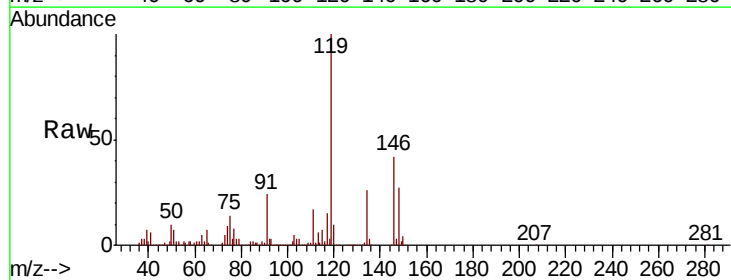
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

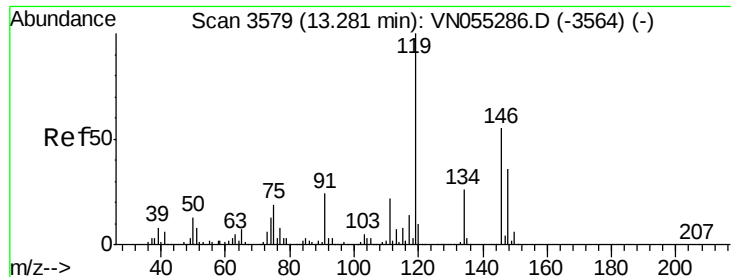
Tot Ion:105 Resp: 875668
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 50.243 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Tgt Ion:119 Resp: 754060
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 38.9
 91 25.0 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 50.379 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

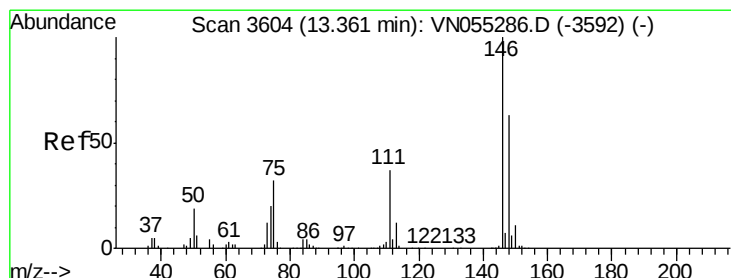
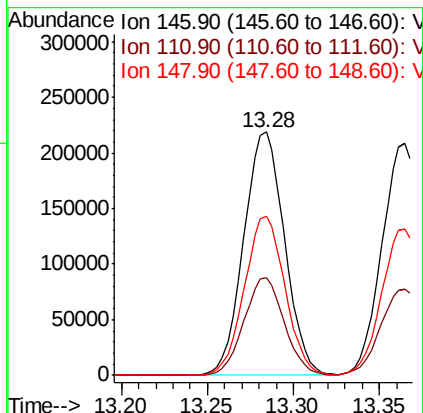
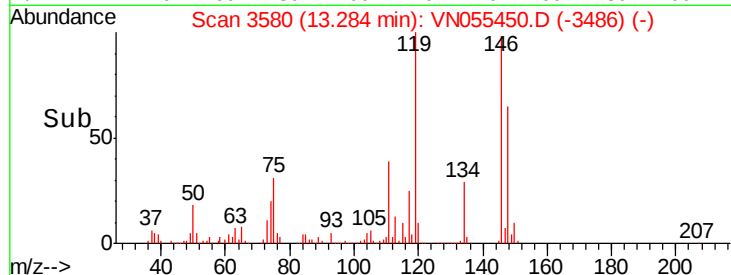
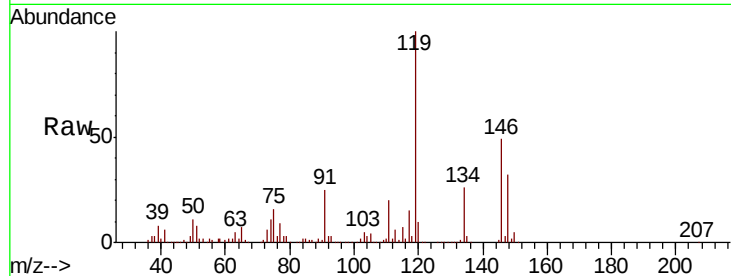
Tot Ion:146 Resp: 361261

Ion Ratio Lower Upper

146 100

111 39.5 20.3 60.8

148 64.7 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 51.744 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

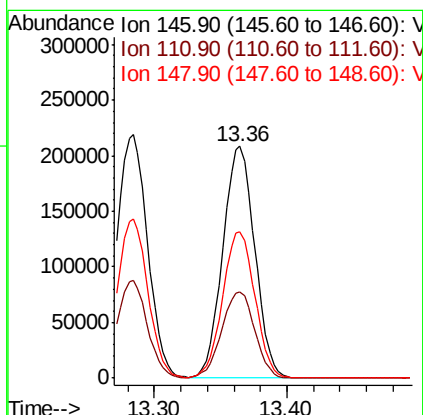
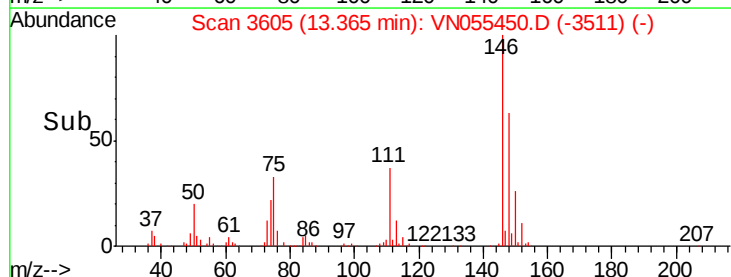
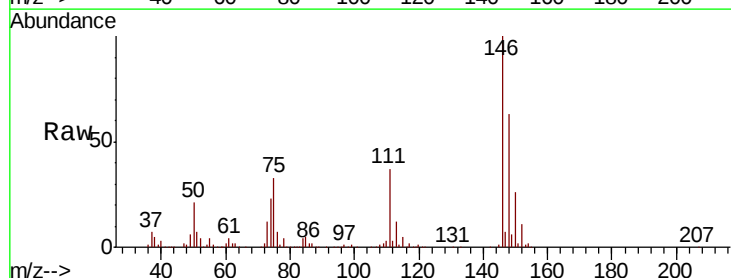
Tgt Ion:146 Resp: 349424

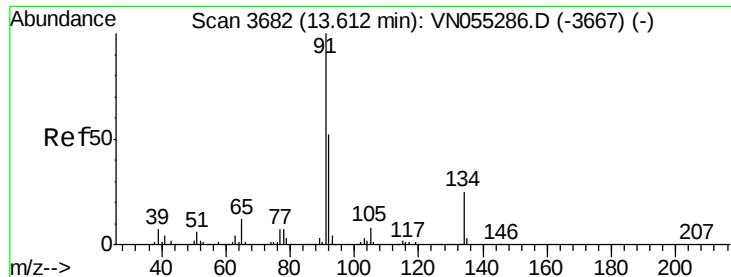
Ion Ratio Lower Upper

146 100

111 38.5 19.5 58.5

148 63.8 32.5 97.4





#89

n-Butylbenzene

Concen: 56.242 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

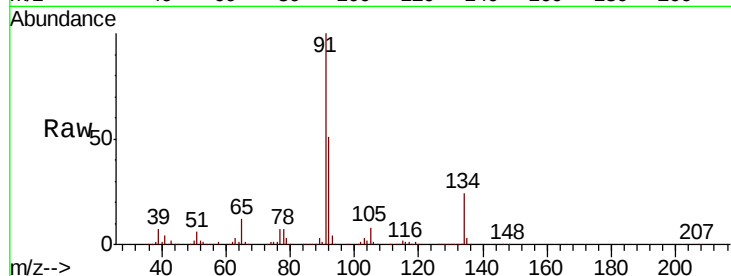
Tot Ion: 91 Resp: 599797

Ion Ratio Lower Upper

91 100

92 51.5 26.1 78.3

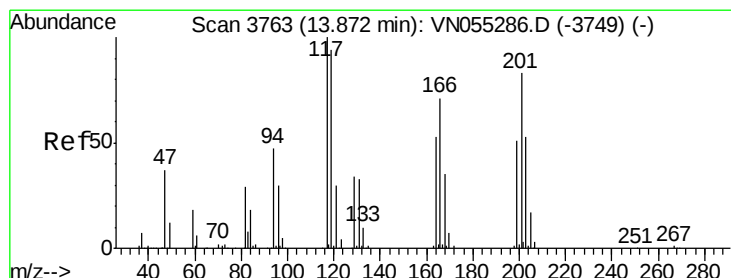
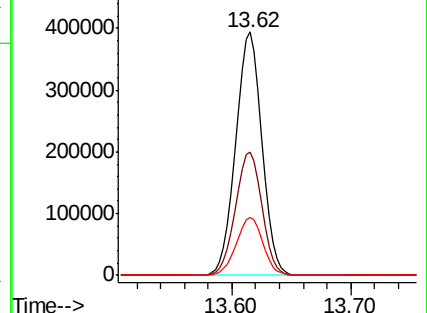
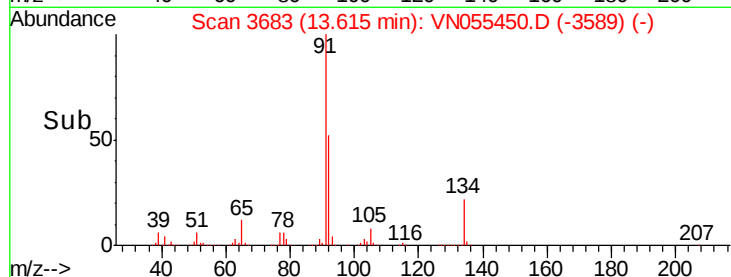
134 24.2 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN055286.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN055286.D (-3667) (-)



#90

Hexachloroethane

Concen: 53.569 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN055450.D

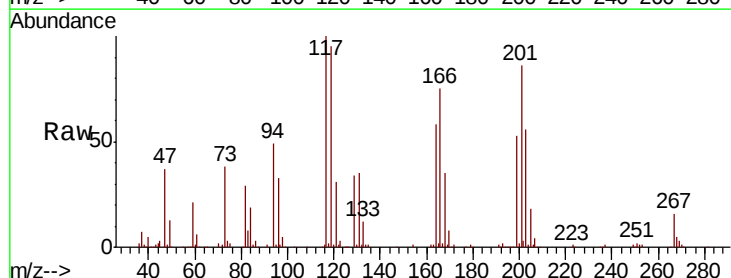
Acq: 7 May 2019 20:57

Tgt Ion: 117 Resp: 127032

Ion Ratio Lower Upper

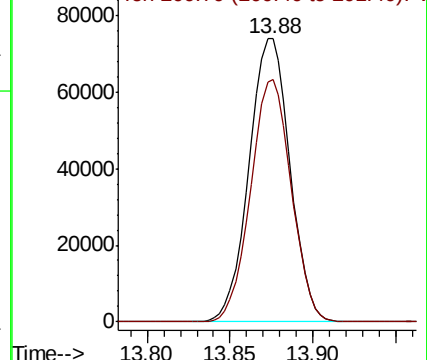
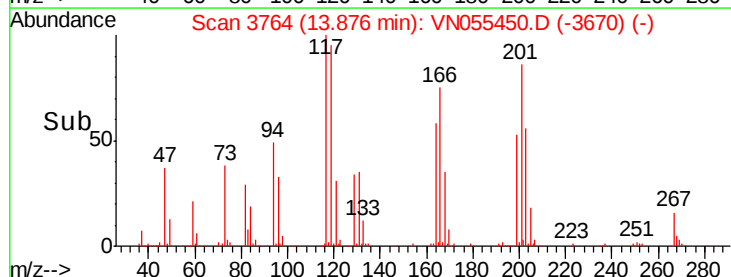
117 100

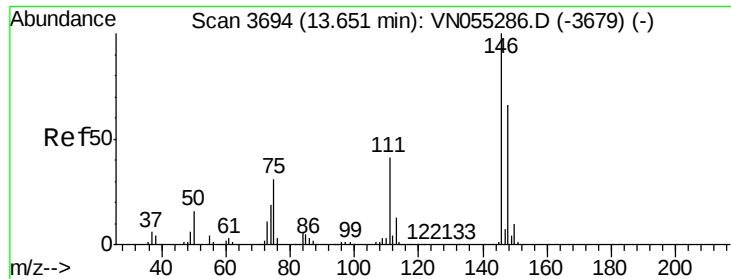
201 84.6 41.9 125.8



Abundance Ion 116.80 (116.50 to 117.50): VN055286.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055286.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 52.131 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

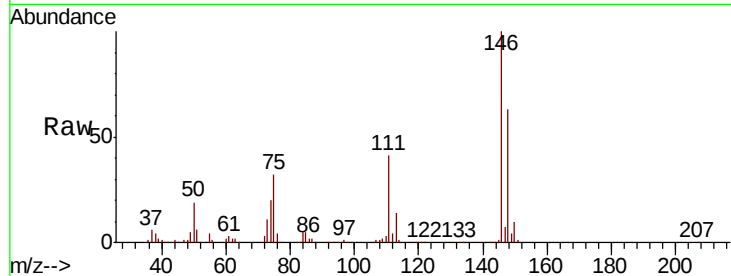
Tot Ion:146 Resp: 370504

Ion Ratio Lower Upper

146 100

111 41.1 20.3 61.0

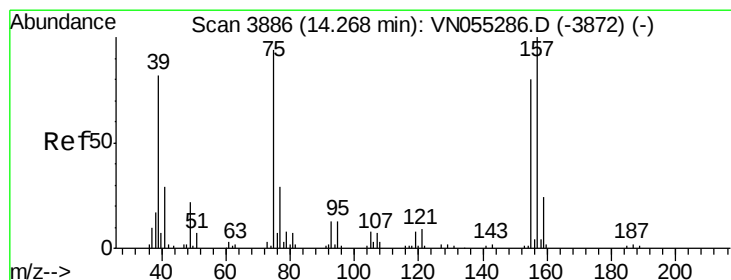
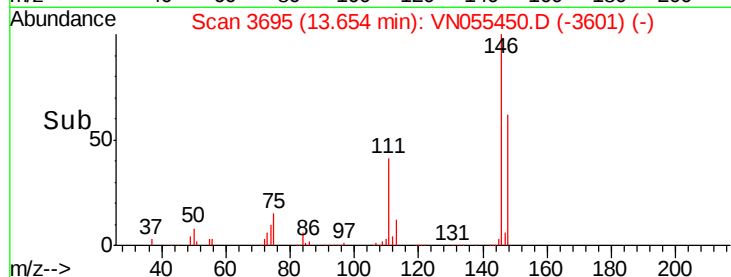
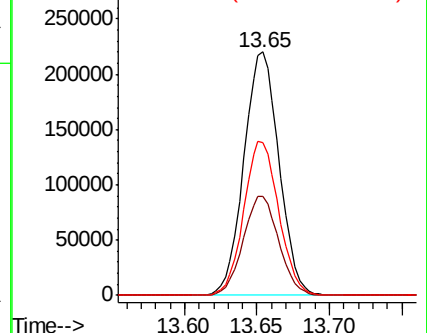
148 62.9 32.4 97.2



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: 72.573 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

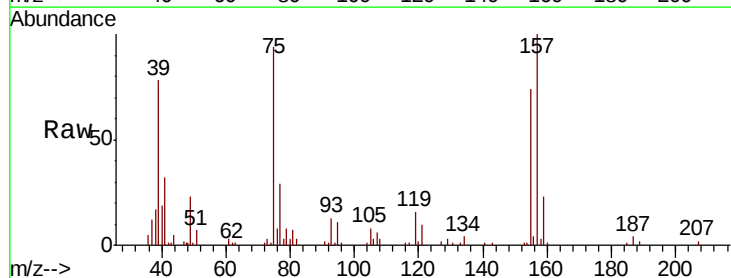
Tgt Ion: 75 Resp: 40915

Ion Ratio Lower Upper

75 100

155 81.2 41.5 124.6

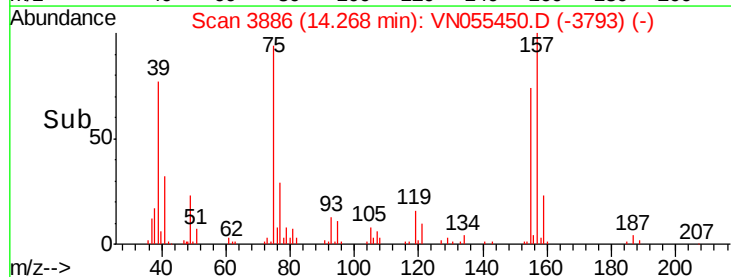
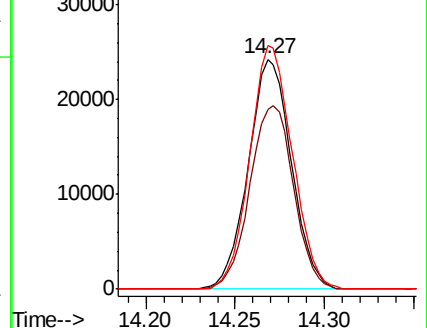
157 104.4 54.0 162.2

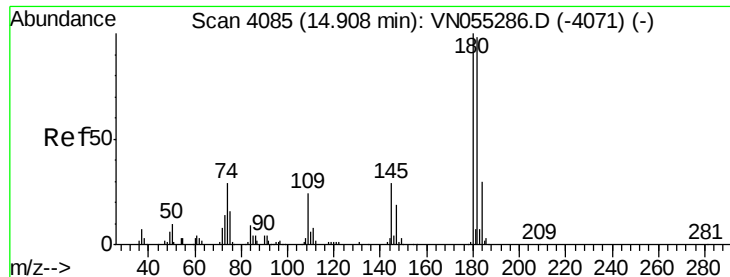


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

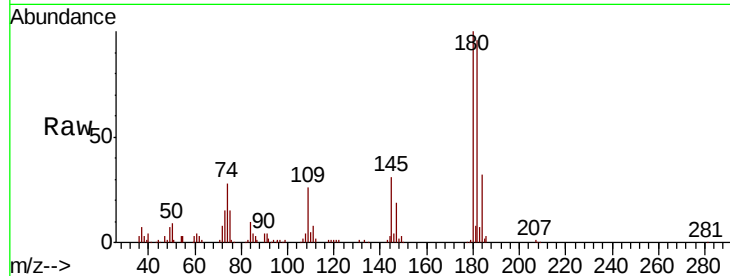




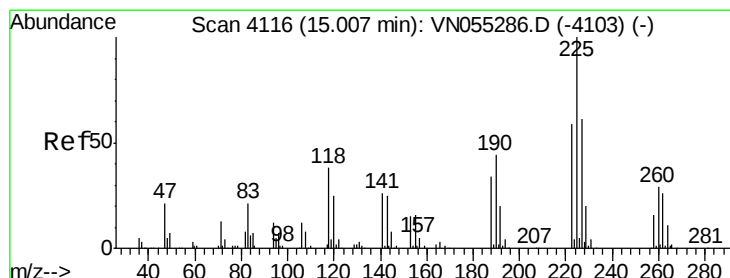
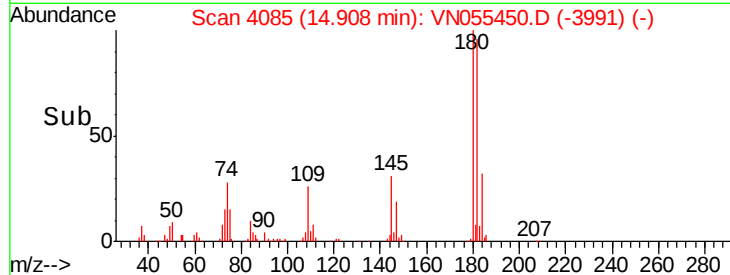
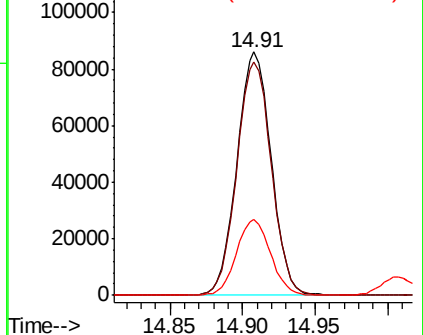
#93
 1,2,4-Trichlorobenzene
 Concen: 50.422 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 141361
 Ion Ratio Lower Upper
 180 100
 182 96.5 48.3 144.9
 145 31.0 14.2 42.6

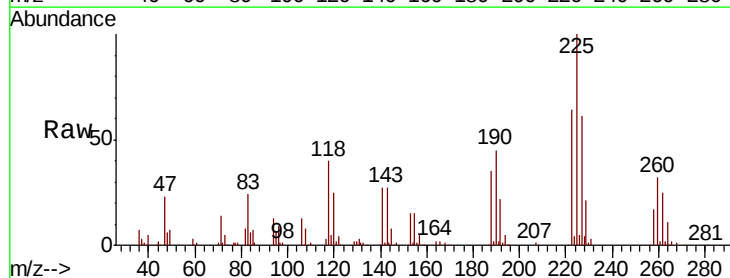


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

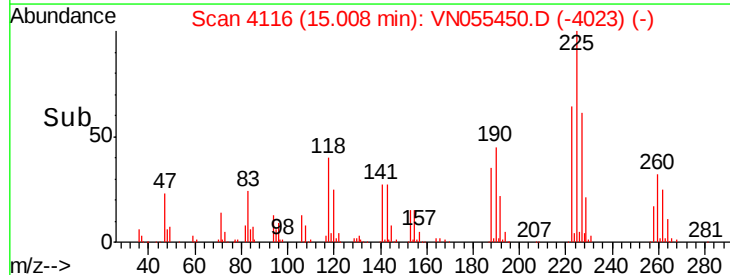
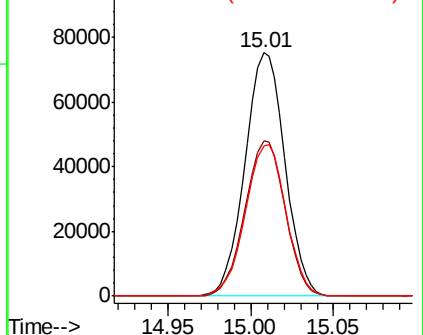


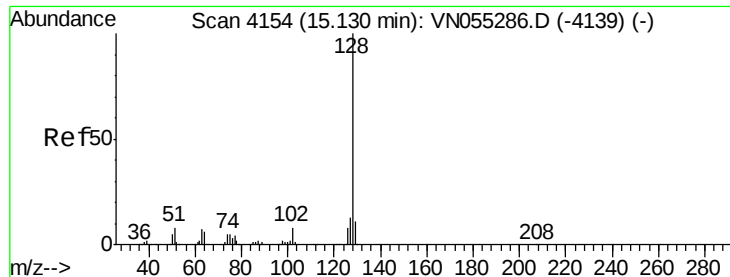
#94
 Hexachlorobutadiene
 Concen: 59.542 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Tgt Ion:225 Resp: 126195
 Ion Ratio Lower Upper
 225 100
 223 63.9 30.3 90.8
 227 63.1 30.9 92.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 52.169 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

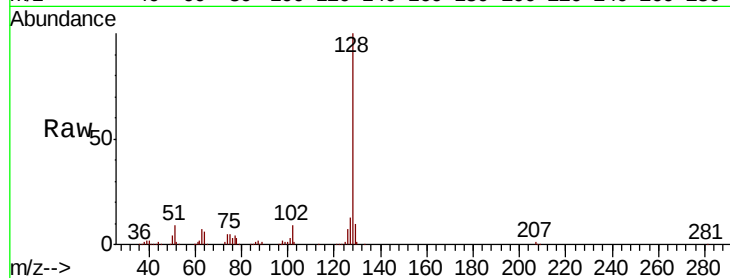
Tot Ion:128 Resp: 311664

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

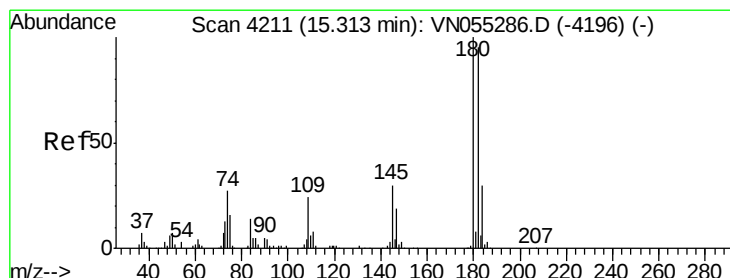
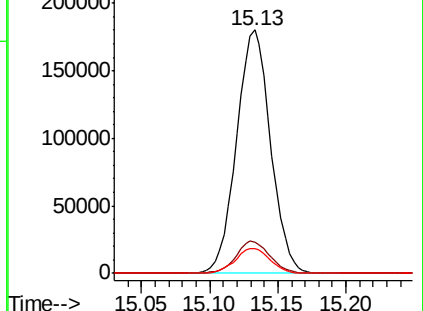
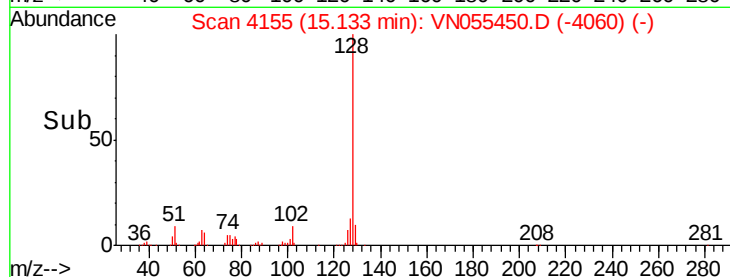
129 10.5 8.6 13.0



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: 54.886 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

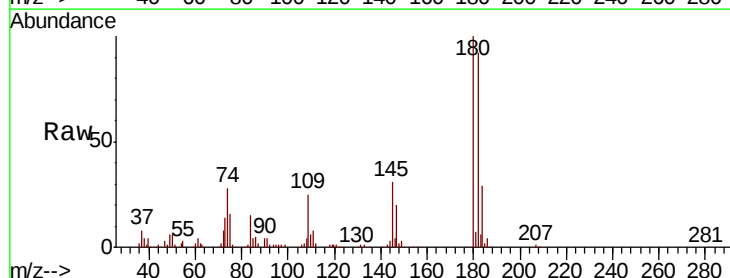
Tgt Ion:180 Resp: 152191

Ion Ratio Lower Upper

180 100

182 92.6 48.3 144.9

145 31.1 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

