

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055475.D
 Acq On : 8 May 2019 7:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 08 08:39:27 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	337998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	570355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	483808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	204158	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	236825	53.56	ug/l	0.00
Spiked Amount			Recovery	=	107.12%	
35) Dibromofluoromethane	7.59	113	182089	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
50) Toluene-d8	10.09	98	642430	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
62) 4-Bromofluorobenzene	12.40	95	220706	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	192653	46.521	ug/l	98
3) Chloromethane	2.06	50	210651	41.080	ug/l	99
4) Vinyl Chloride	2.19	62	188786	45.672	ug/l	97
5) Bromomethane	2.57	94	124842	57.019	ug/l	98
6) Chloroethane	2.71	64	105760	47.231	ug/l	98
7) Trichlorofluoromethane	3.02	101	289102	49.187	ug/l	99
8) Diethyl Ether	3.41	74	115455	56.145	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	171763	49.074	ug/l	99
10) Methyl Iodide	3.96	142	235738	47.859	ug/l	98
11) Tert butyl alcohol	4.79	59	82535	326.020	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	161611	48.403	ug/l	98
13) Acrolein	3.61	56	54319	274.744	ug/l	100
14) Allyl chloride	4.33	41	344991	49.890	ug/l	99
15) Acrylonitrile	4.99	53	430470	302.513	ug/l	100
16) Acetone	3.82	43	329233	238.961	ug/l	100
17) Carbon Disulfide	4.06	76	339555	38.969	ug/l	98
18) Methyl Acetate	4.33	43	231310	69.319	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	561878	59.861	ug/l	98
20) Methylene Chloride	4.56	84	200957	47.785	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	168787	47.733	ug/l	99
22) Diisopropyl ether	5.96	45	798725	58.133	ug/l	98
23) Vinyl Acetate	5.90	43	2662453	295.666	ug/l	99
24) 1,1-Dichloroethane	5.86	63	393936	53.812	ug/l	98
25) 2-Butanone	6.84	43	516048	292.878	ug/l	99
26) 2,2-Dichloropropane	6.83	77	150489	29.769	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	210837	52.431	ug/l	98
28) Bromochloromethane	7.20	49	190102	51.517	ug/l	96
29) Tetrahydrofuran	7.21	42	350297	310.478	ug/l	99
30) Chloroform	7.37	83	375227	54.070	ug/l	98
31) Cyclohexane	7.66	56	324795	46.697	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	302183	53.653	ug/l	98
36) 1,1-Dichloropropene	7.79	75	254780	46.636	ug/l	100
37) Ethyl Acetate	6.93	43	229393	54.787	ug/l	99
38) Carbon Tetrachloride	7.78	117	246318	46.740	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	270513	46.572	ug/l	99
40) Benzene	8.04	78	795176	49.375	ug/l	100
41) Methacrylonitrile	7.17	41	146996	64.648	ug/l	92
42) 1,2-Dichloroethane	8.13	62	300606	52.701	ug/l	99
43) Isopropyl Acetate	8.17	43	401494	59.668	ug/l	98
44) Trichloroethene	8.84	130	199758	48.655	ug/l	99
45) 1,2-Dichloropropane	9.12	63	241085	51.903	ug/l	100
46) Dibromomethane	9.21	93	127183	50.093	ug/l	99
47) Bromodichloromethane	9.40	83	283983	52.138	ug/l	99
48) Methyl methacrylate	9.20	41	197078	59.578	ug/l	97
49) 1,4-Dioxane	9.21	88	38700	1131.753	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1139727	300.845	ug/l	98
52) Toluene	10.16	92	454773	49.215	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	243221	51.439	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	294651	49.980	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	184573	53.790	ug/l	99
56) Ethyl methacrylate	10.43	69	253301	59.974	ug/l	99
57) 1,3-Dichloropropane	10.71	76	324123	53.845	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	249923	193.615	ug/l	100
59) 2-Hexanone	10.75	43	712944	300.775	ug/l	98
60) Dibromochloromethane	10.90	129	191034	54.472	ug/l	100
61) 1,2-Dibromoethane	11.01	107	169309	53.383	ug/l	98
64) Tetrachloroethene	10.63	164	200730	50.735	ug/l	98
65) Chlorobenzene	11.43	112	472366	49.938	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	187160	50.531	ug/l	99
67) Ethyl Benzene	11.51	91	874529	51.198	ug/l	98
68) m/p-Xylenes	11.62	106	624771	102.471	ug/l	99
69) o-Xylene	11.95	106	312249	51.670	ug/l	99
70) Styrene	11.96	104	515038	55.507	ug/l	99
71) Bromoform	12.13	173	114355	55.641	ug/l #	98
73) Isopropylbenzene	12.25	105	849555	52.452	ug/l	99
74) N-amyl acetate	12.07	43	293320	55.983	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	222559	55.361	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	262423	70.169	ug/l #	100
77) Bromobenzene	12.53	156	201152	51.726	ug/l	98
78) n-propylbenzene	12.59	91	947427	45.177	ug/l	100
79) 2-Chlorotoluene	12.67	91	580150	52.571	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	702660	43.902	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	41695	38.703	ug/l	92
82) 4-Chlorotoluene	12.77	91	560418	45.961	ug/l	98
83) tert-Butylbenzene	12.99	119	618337	54.864	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	683686	47.762	ug/l	100
85) sec-Butylbenzene	13.17	105	808208	46.459	ug/l	99
86) p-Isopropyltoluene	13.29	119	693146	48.478	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	329762	48.270	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	322081	50.063	ug/l	99
89) n-Butylbenzene	13.61	91	541516	53.298	ug/l	99
90) Hexachloroethane	13.87	117	114663	50.669	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	342604	50.598	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31714	59.046	ug/l	98

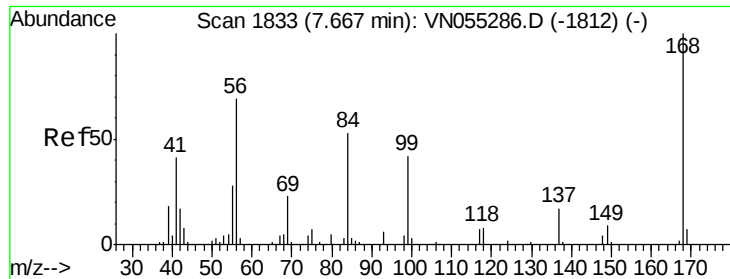
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	157444	58.387	ug/l	99
94) Hexachlorobutadiene	15.01	225	119306	59.064	ug/l	97
95) Naphthalene	15.13	128	315571	55.236	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	167883	63.138	ug/l	99

(#) = 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: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

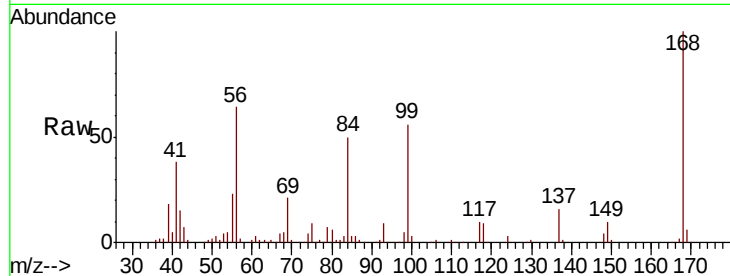
VSTDCCC050EC

Tot Ion:168 Resp: 337998

Ion Ratio Lower Upper

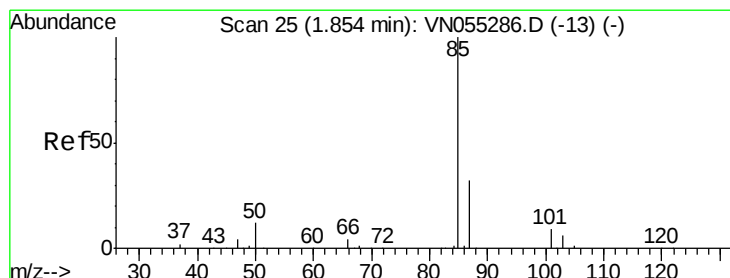
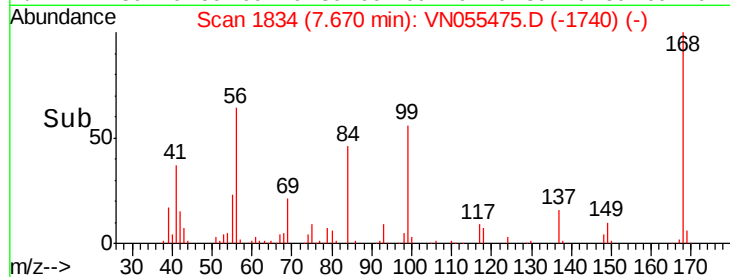
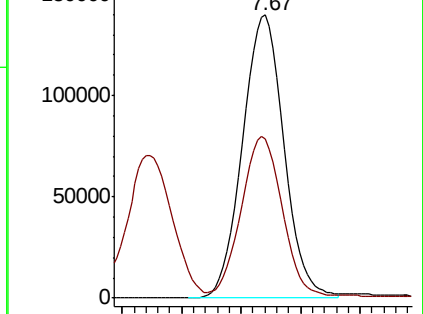
168 100

99 55.0 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.521 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055475.D

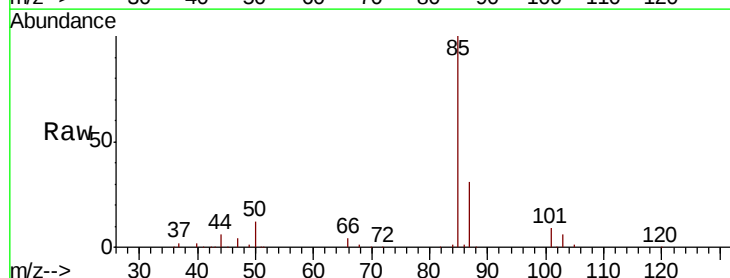
Acq: 8 May 2019 7:51

Tgt Ion: 85 Resp: 192653

Ion Ratio Lower Upper

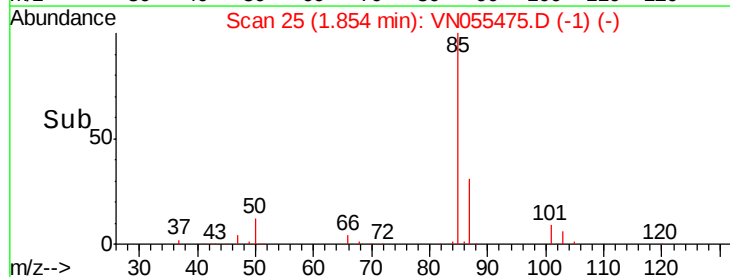
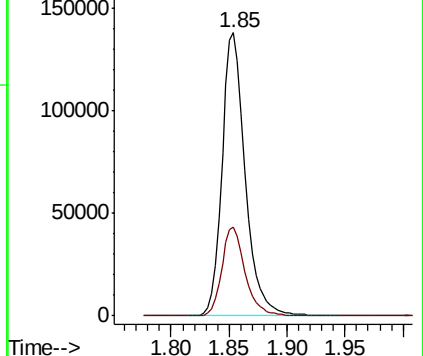
85 100

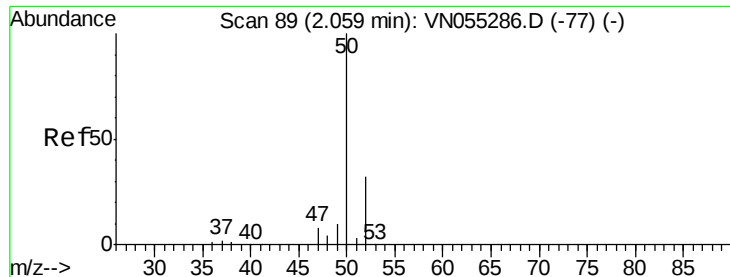
87 31.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 41.080 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

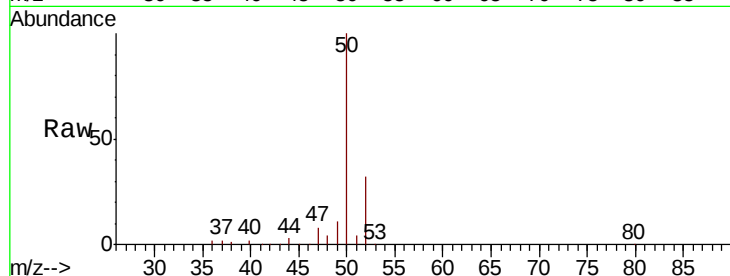
VSTDCCC050EC

Tot Ion: 50 Resp: 210651

Ion Ratio Lower Upper

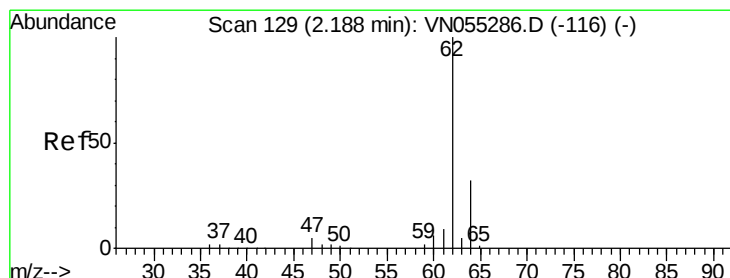
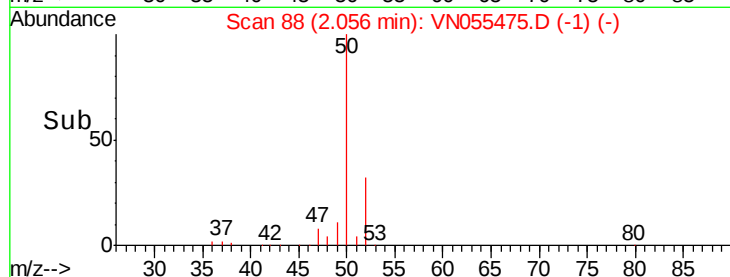
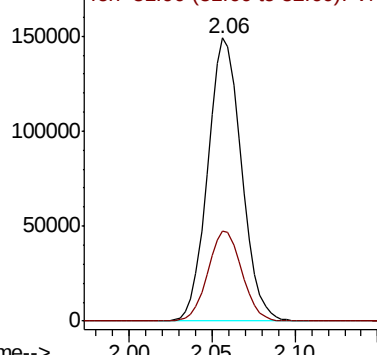
50 100

52 31.8 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 45.672 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055475.D

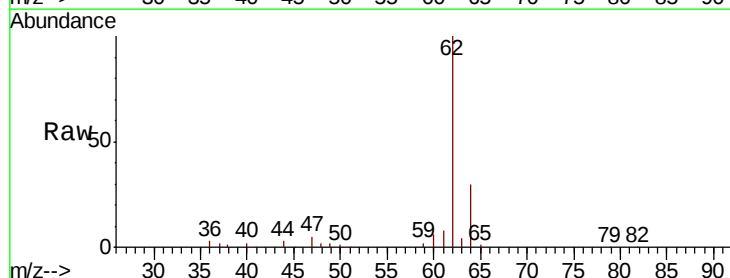
Acq: 8 May 2019 7:51

Tgt Ion: 62 Resp: 188786

Ion Ratio Lower Upper

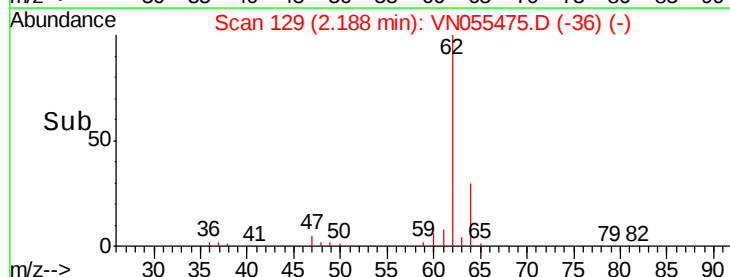
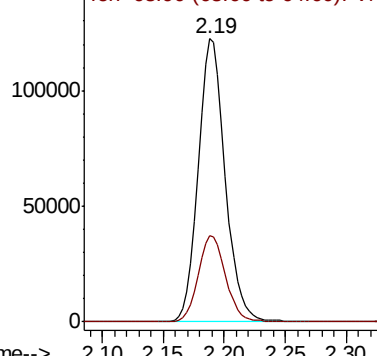
62 100

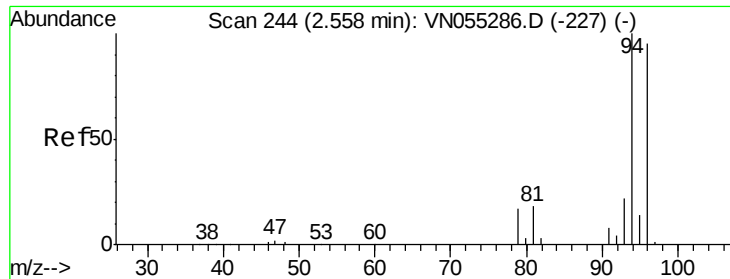
64 30.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

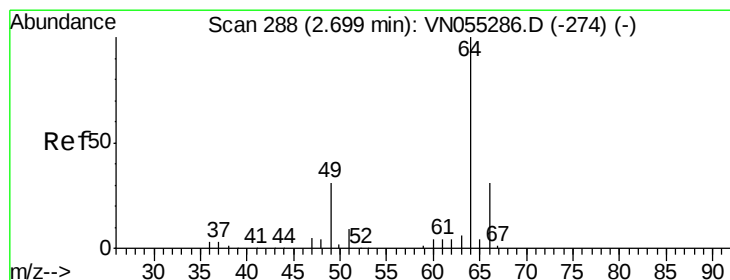
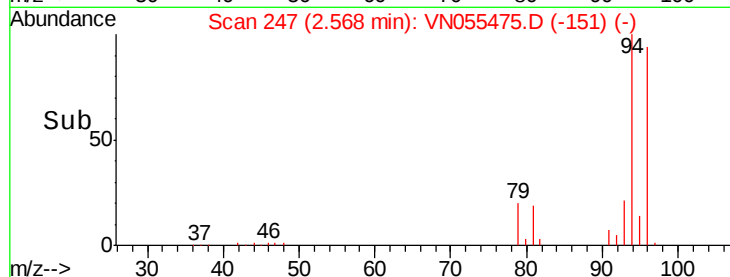
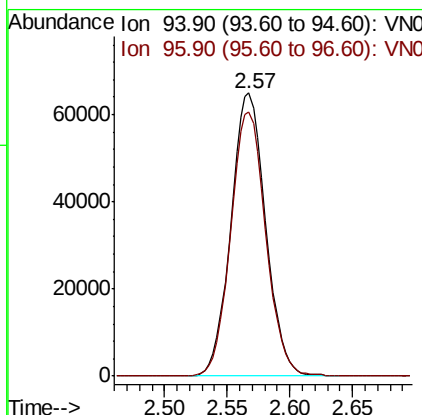
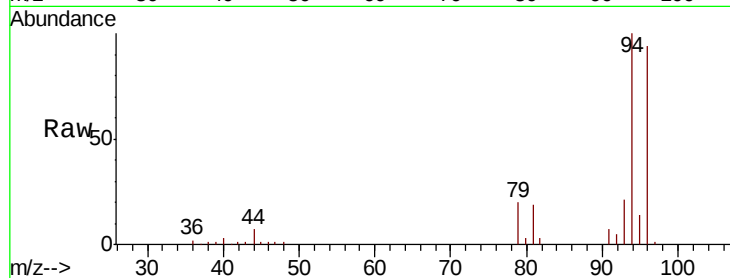




#5
Bromomethane
Concen: 57.019 ug/l
RT: 2.57 min Scan# 247
Delta R.T. 0.01 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

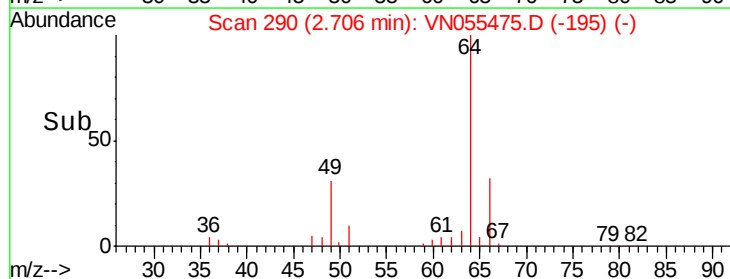
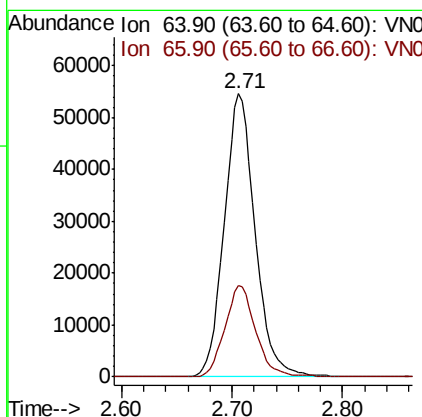
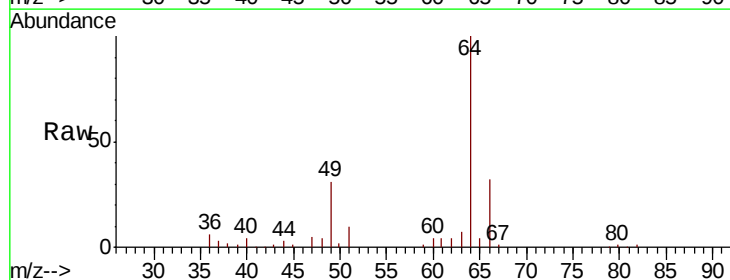
Instrument :
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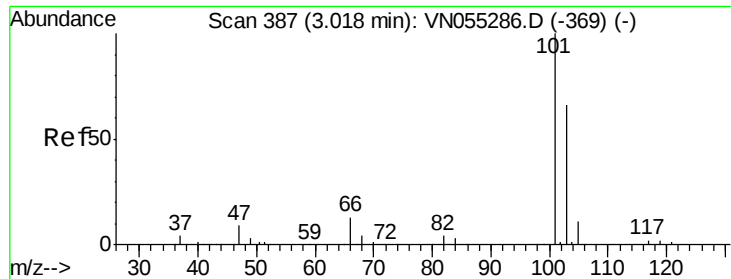
Tot Ion: 94 Resp: 124842
Ion Ratio Lower Upper
94 100
96 93.5 76.0 114.0



#6
Chloroethane
Concen: 47.231 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.01 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion: 64 Resp: 105760
Ion Ratio Lower Upper
64 100
66 32.2 25.0 37.4



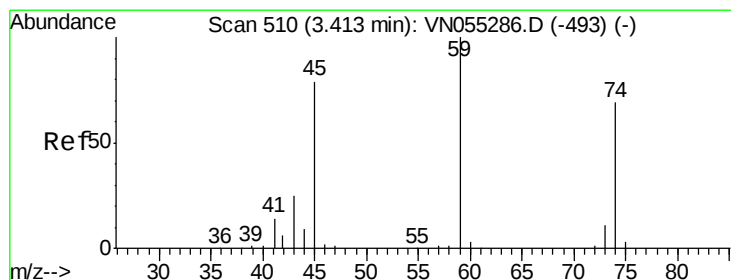
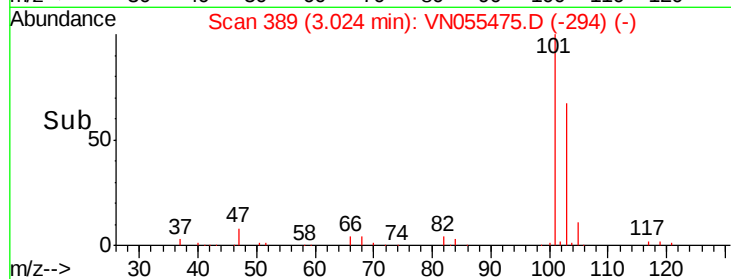
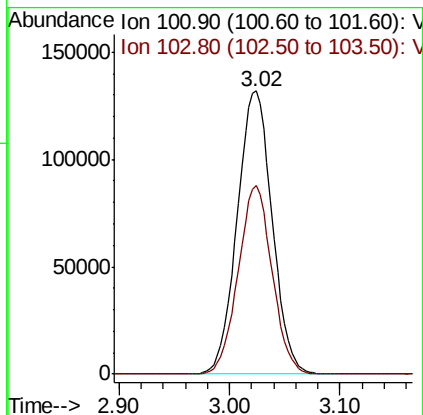
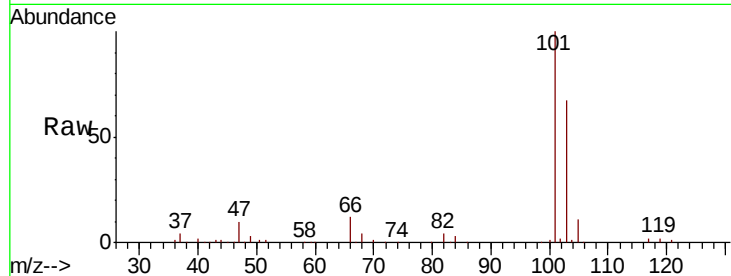


#7

Trichlorofluoromethane
 Concen: 49.187 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

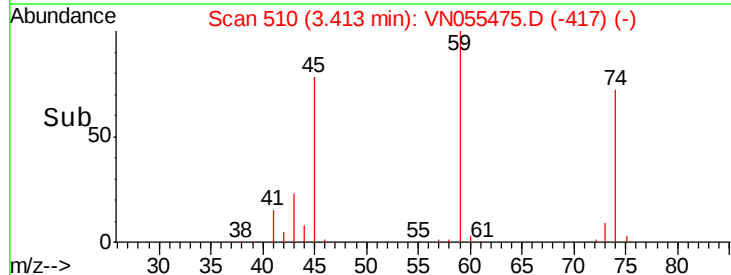
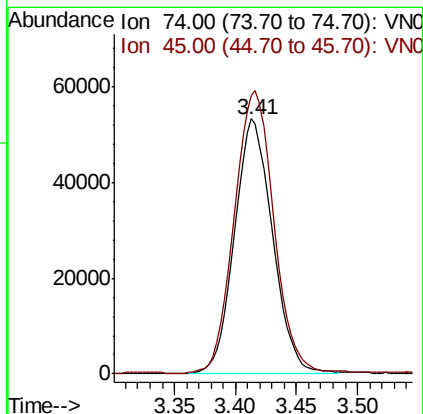
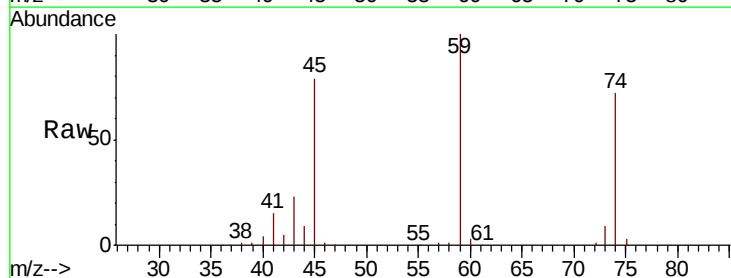
Tot Ion:101 Resp: 289102
 Ion Ratio Lower Upper
 101 100
 103 66.5 52.6 79.0

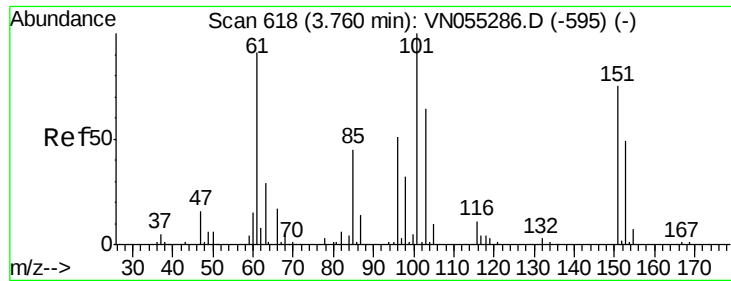


#8

Diethyl Ether
 Concen: 56.145 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Tgt Ion: 74 Resp: 115455
 Ion Ratio Lower Upper
 74 100
 45 116.3 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.074 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.01 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

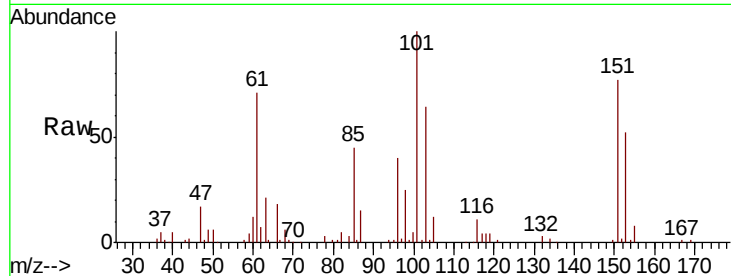
Tot Ion:101 Resp: 171763

Ion Ratio Lower Upper

101 100

85 44.4 35.7 53.5

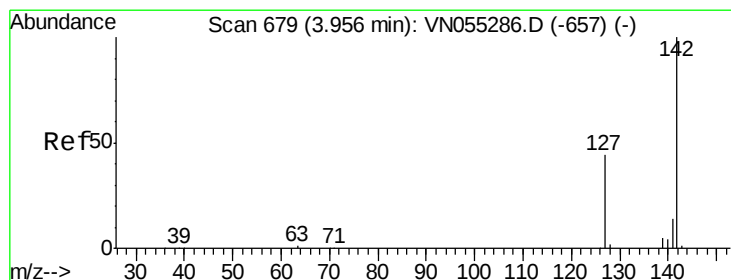
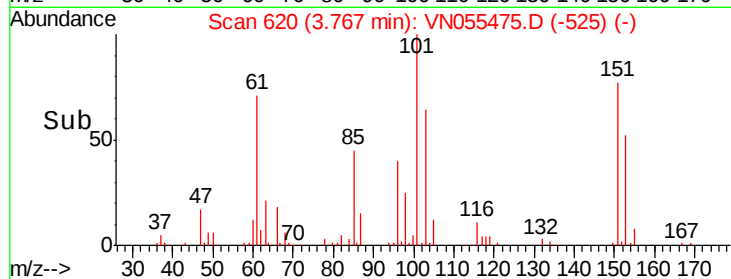
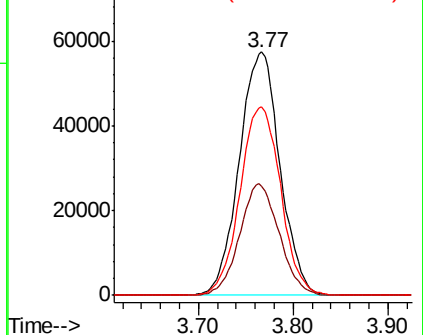
151 77.5 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.859 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

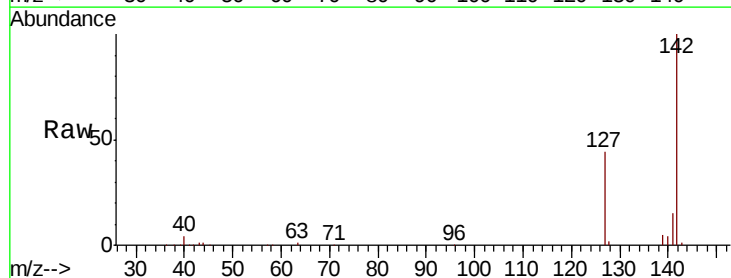
Tgt Ion:142 Resp: 235738

Ion Ratio Lower Upper

142 100

127 44.2 34.4 51.6

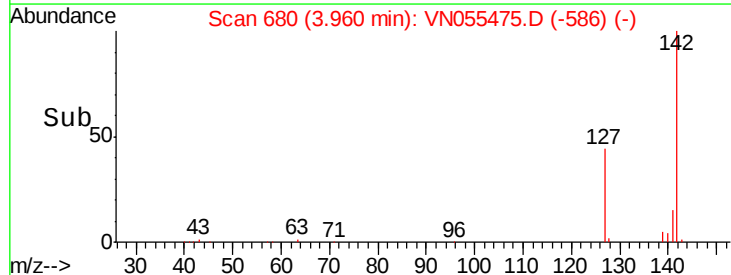
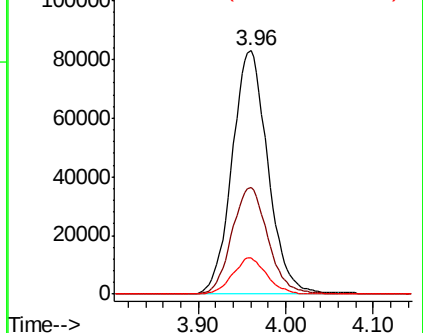
141 14.2 11.5 17.3

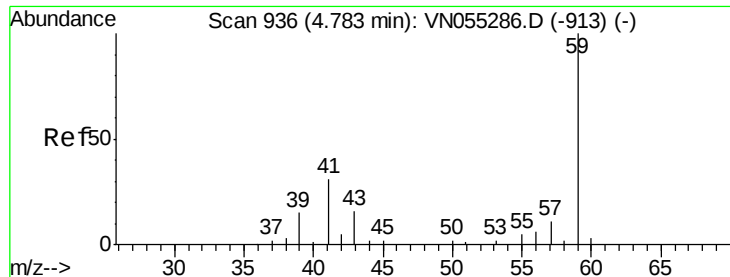


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

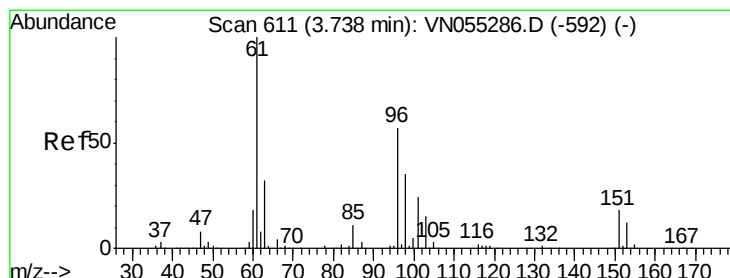
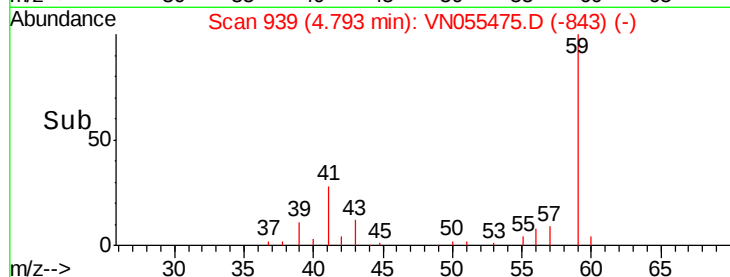
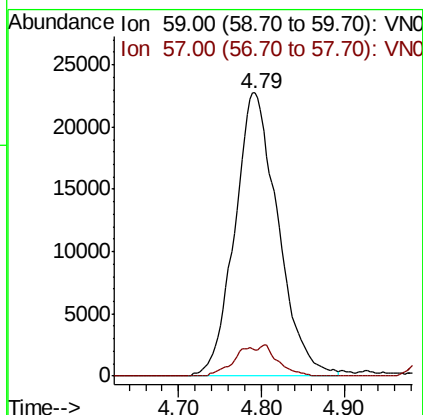
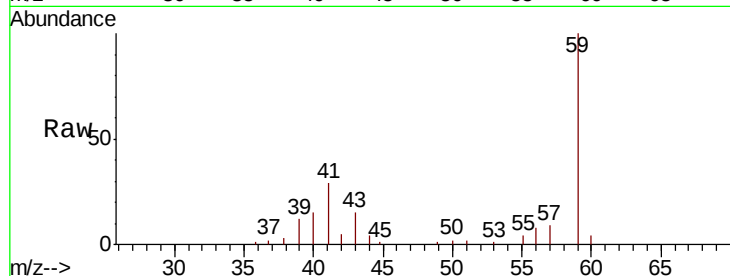




#11
Tert butyl alcohol
Concen: 326.020 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.01 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

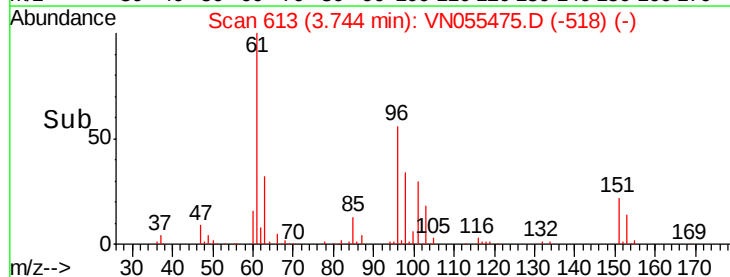
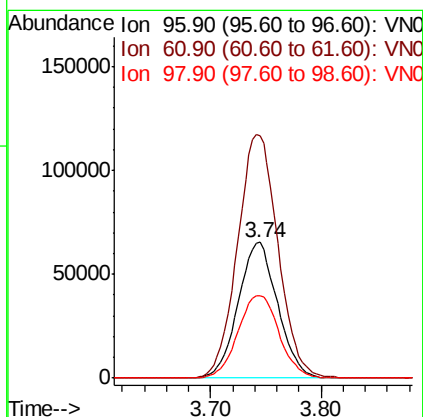
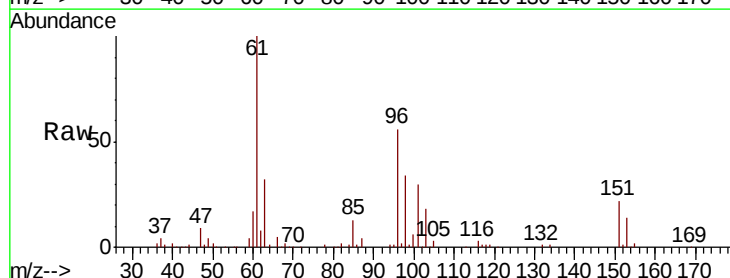
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

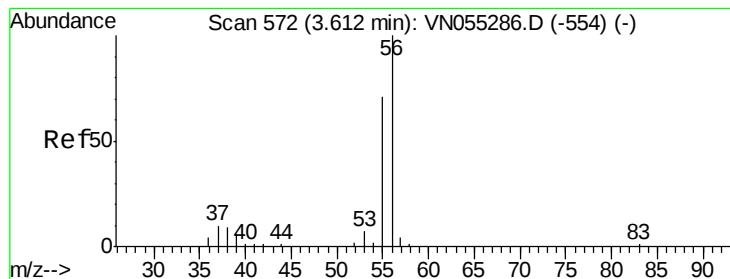
Tot Ion: 59 Resp: 82535
Ion Ratio Lower Upper
59 100
57 5.4 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 48.403 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion: 96 Resp: 161611
Ion Ratio Lower Upper
96 100
61 178.5 140.9 211.3
98 60.9 50.0 75.0





#13

Acrolein

Concen: 274.744 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

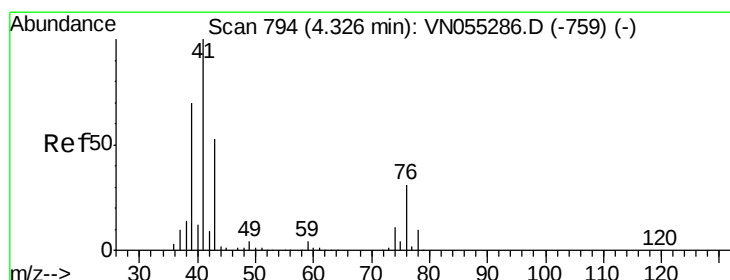
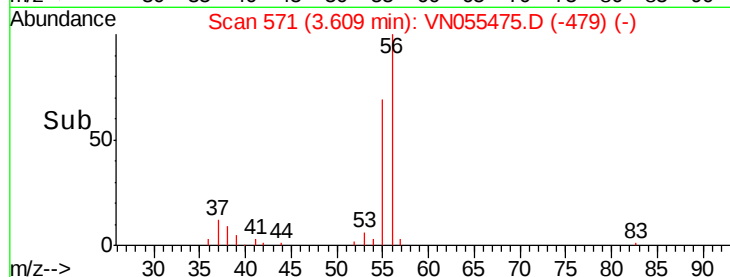
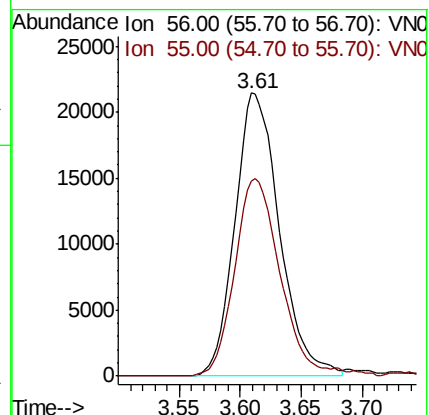
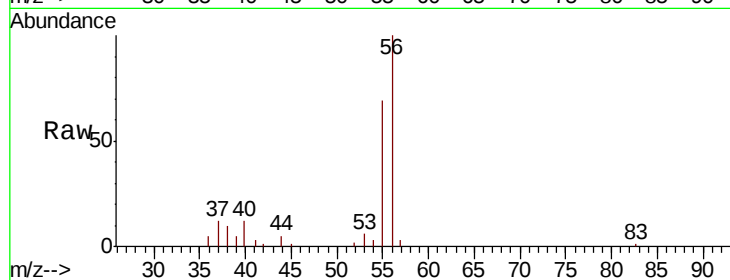
VSTDCCC050EC

Tot Ion: 56 Resp: 54319

Ion Ratio Lower Upper

56 100

55 71.9 57.4 86.2



#14

Allyl chloride

Concen: 49.890 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

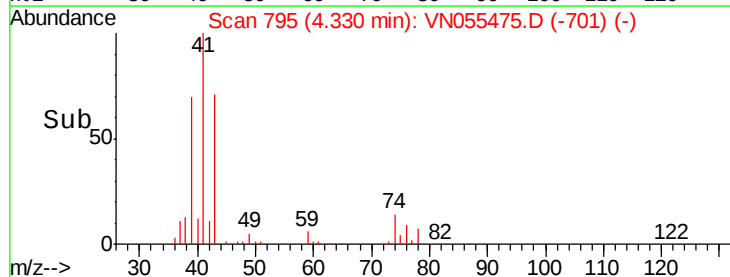
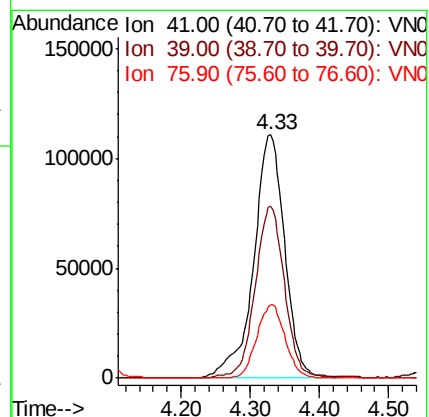
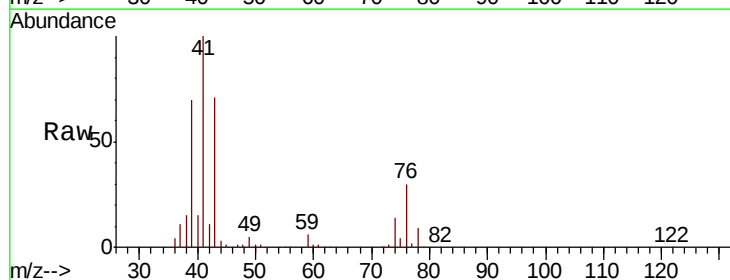
Tgt Ion: 41 Resp: 344991

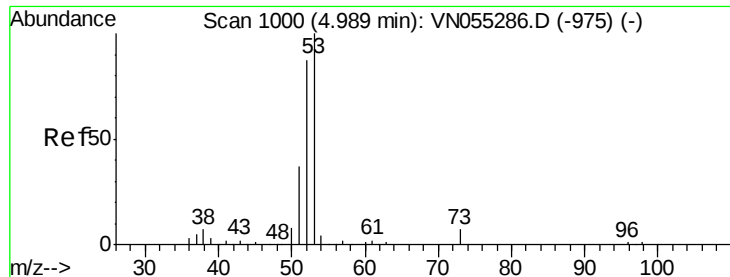
Ion Ratio Lower Upper

41 100

39 66.7 53.0 79.6

76 27.6 22.7 34.1





#15

Acrylonitrile

Concen: 302.513 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

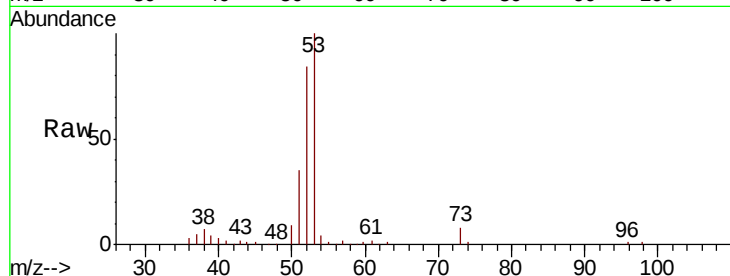
Tot Ion: 53 Resp: 430470

Ion Ratio Lower Upper

53 100

52 82.7 66.5 99.7

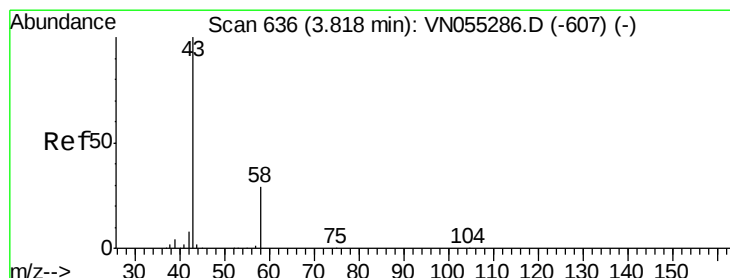
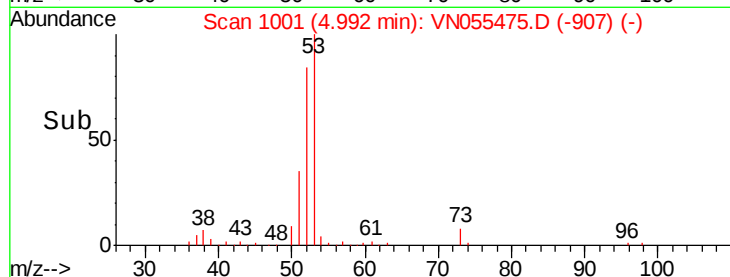
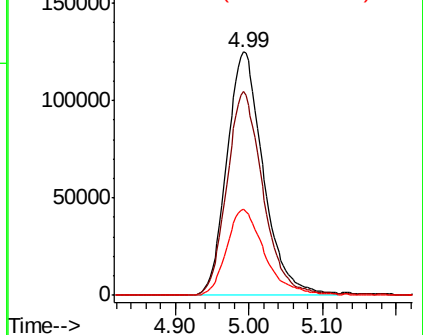
51 36.7 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 238.961 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055475.D

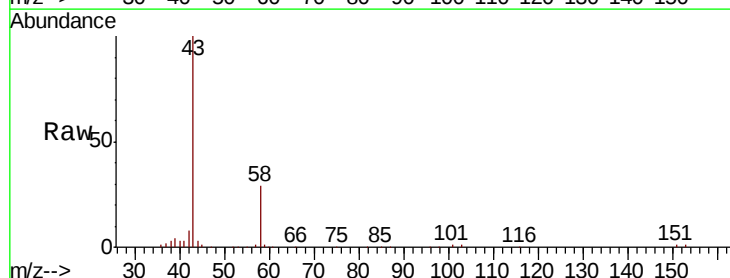
Acq: 8 May 2019 7:51

Tgt Ion: 43 Resp: 329233

Ion Ratio Lower Upper

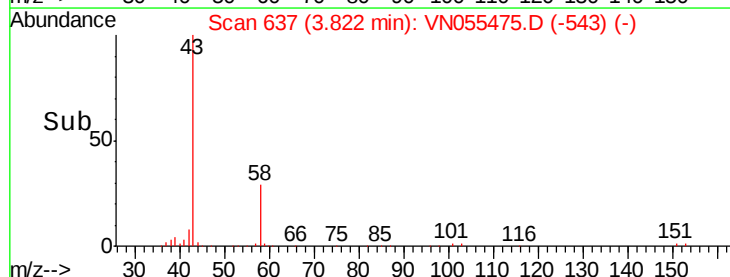
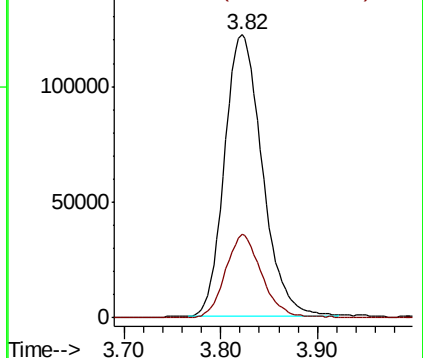
43 100

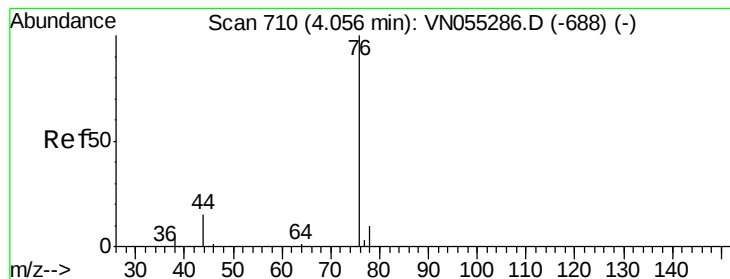
58 29.3 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 38.969 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

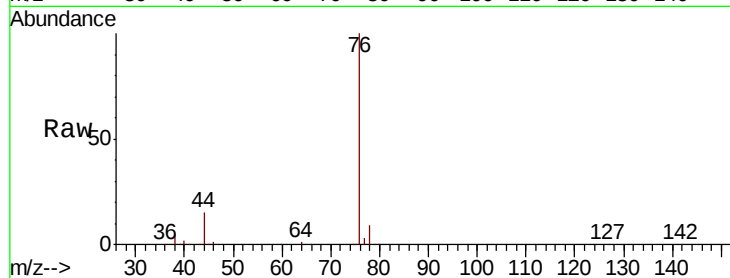
VSTDCCC050EC

Tot Ion: 76 Resp: 339555

Ion Ratio Lower Upper

76 100

78 8.7 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN055475.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN055475.D (-617) (-)

4.06

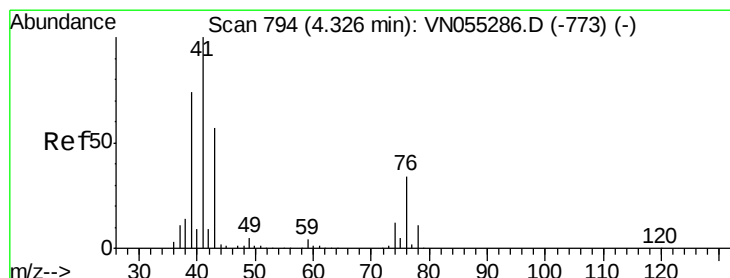
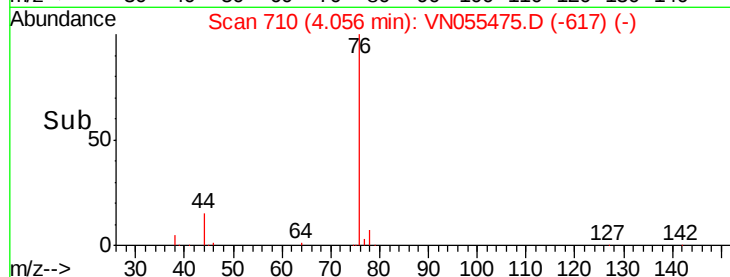
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 69.319 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055475.D

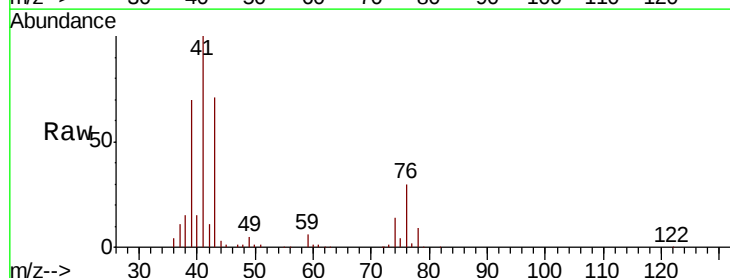
Acq: 8 May 2019 7:51

Tgt Ion: 43 Resp: 231310

Ion Ratio Lower Upper

43 100

74 19.3 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN055475.D (-701) (-)

Ion 74.00 (73.70 to 74.70): VN055475.D (-701) (-)

4.33

80000

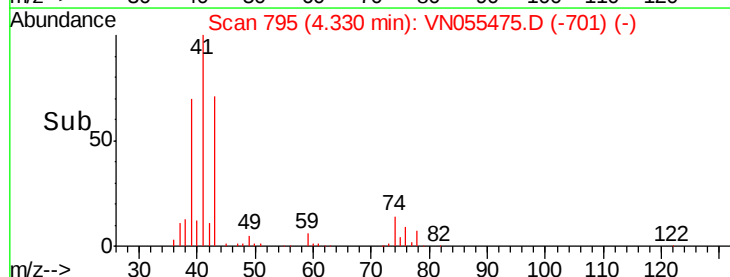
60000

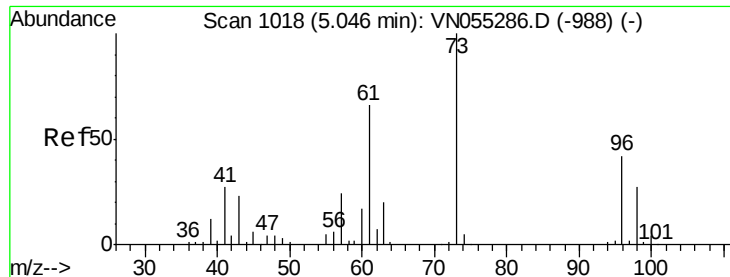
40000

20000

0

Time--> 4.20 4.30 4.40 4.50

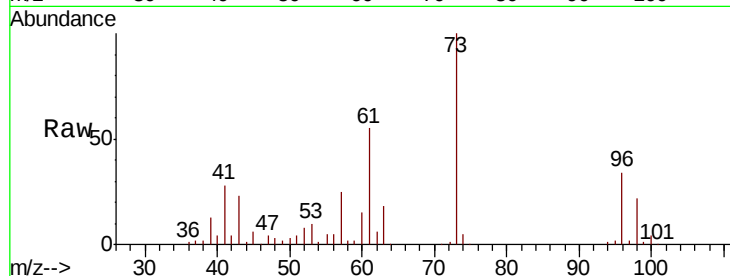




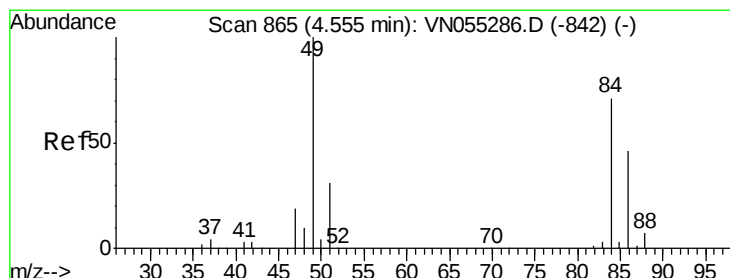
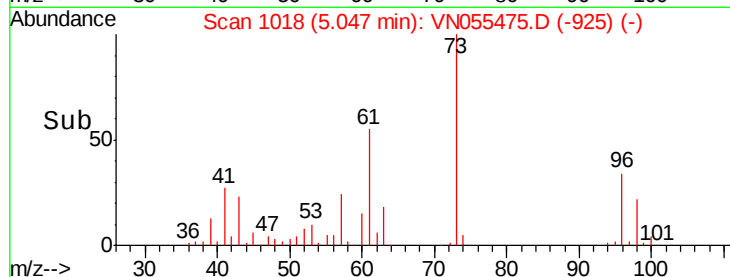
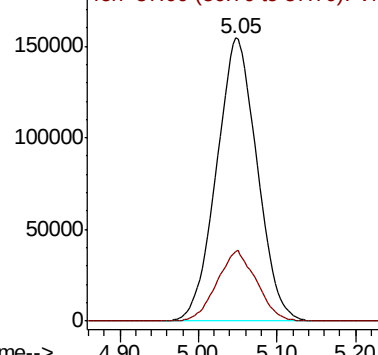
#19
Methvl tert-butvl Ether
Concen: 59.861 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 561878
Ion Ratio Lower Upper
73 100
57 24.7 19.1 28.7

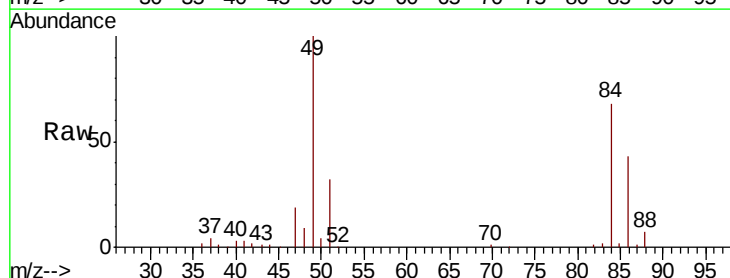


Abundance Ion 73.00 (72.70 to 73.70): VN055286.D (-988) (-)
Ion 57.00 (56.70 to 57.70): VN055286.D (-988) (-)

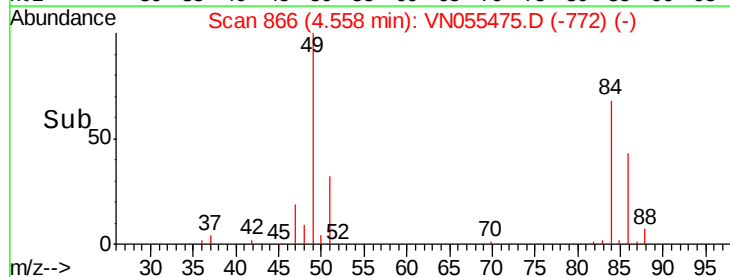
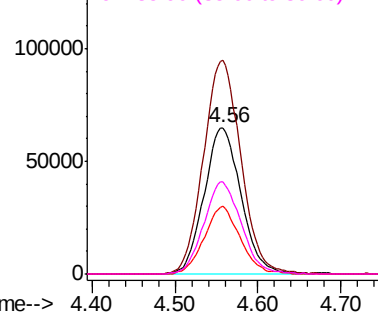


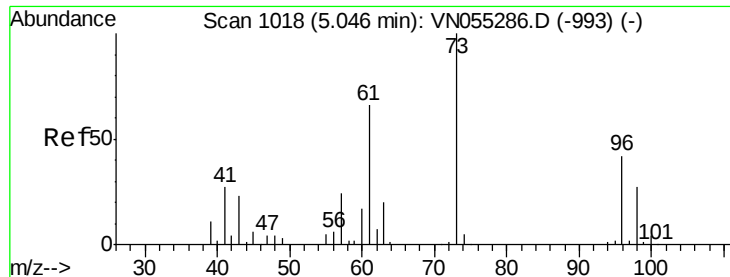
#20
Methylene Chloride
Concen: 47.785 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion: 84 Resp: 200957
Ion Ratio Lower Upper
84 100
49 146.0 112.4 168.6
51 46.1 34.6 51.8
86 62.8 51.9 77.9



Abundance Ion 83.90 (83.60 to 84.60): VN055286.D (-842) (-)
Ion 48.90 (48.60 to 49.60): VN055286.D (-842) (-)
Ion 50.90 (50.60 to 51.60): VN055286.D (-842) (-)
Ion 85.90 (85.60 to 86.60): VN055286.D (-842) (-)





#21

trans-1,2-Dichloroethene

Concen: 47.733 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

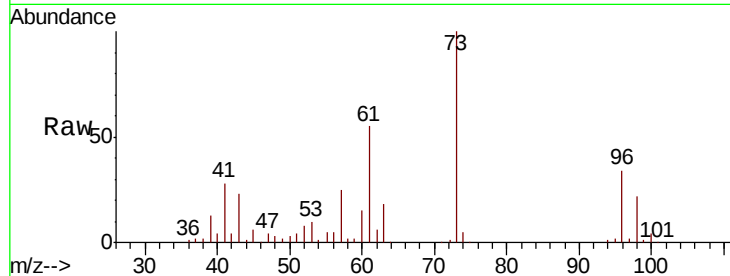
Tot Ion: 96 Resp: 168787

Ion Ratio Lower Upper

96 100

61 158.4 126.2 189.4

98 63.8 52.2 78.2

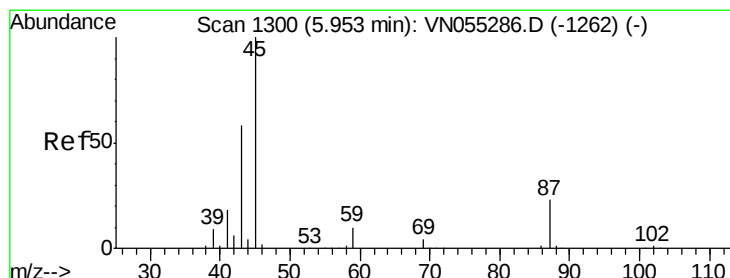
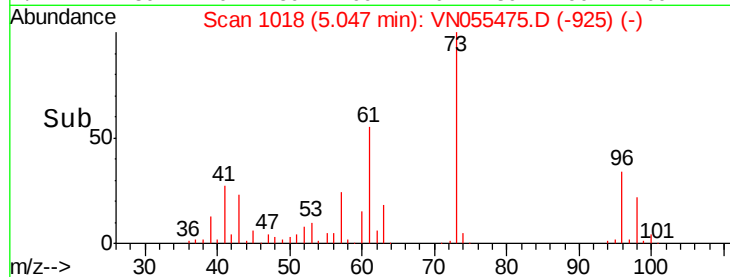
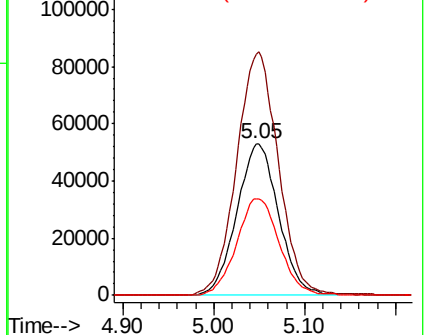


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 58.133 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Tgt Ion: 45 Resp: 798725

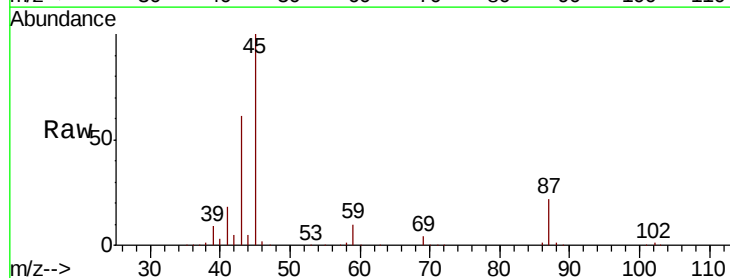
Ion Ratio Lower Upper

45 100

43 60.7 46.6 70.0

87 22.3 18.1 27.1

59 10.3 8.2 12.2



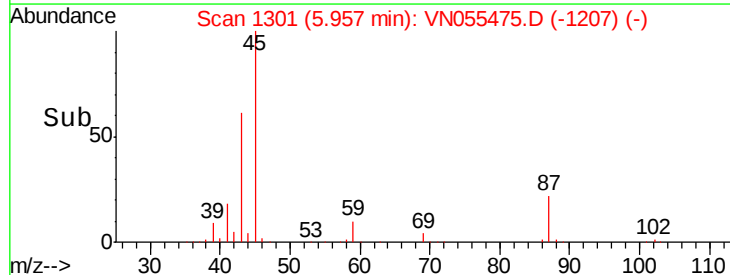
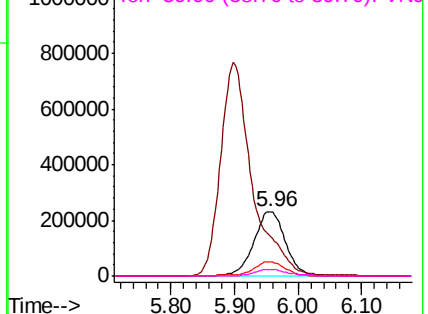
Abundance

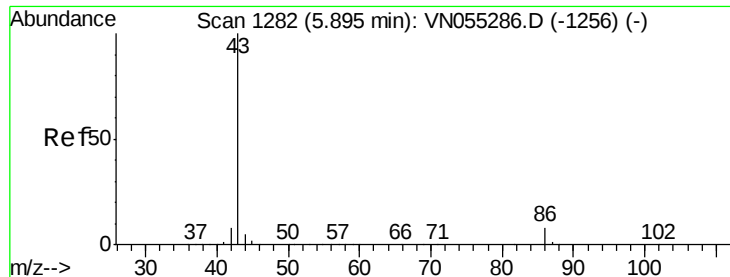
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

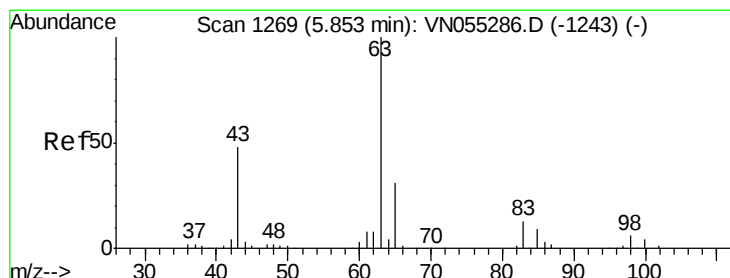
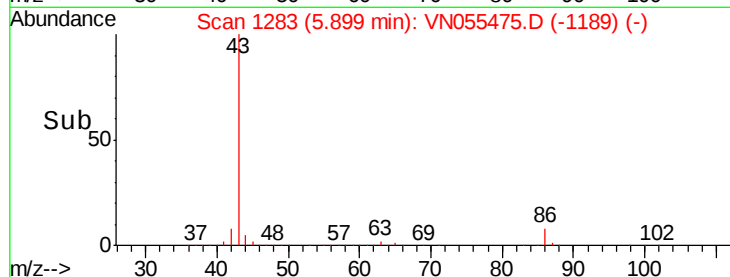
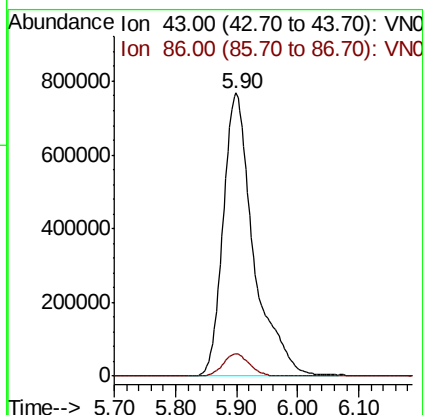
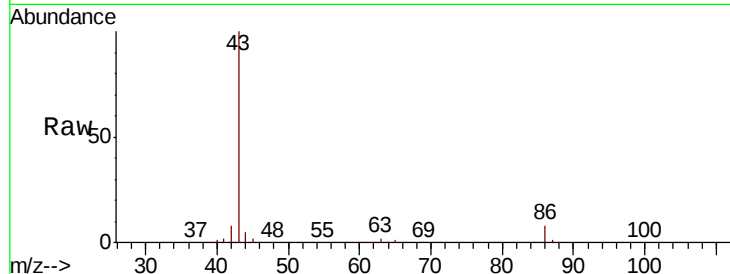




#23
 Vinyl Acetate
 Concen: 295.666 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

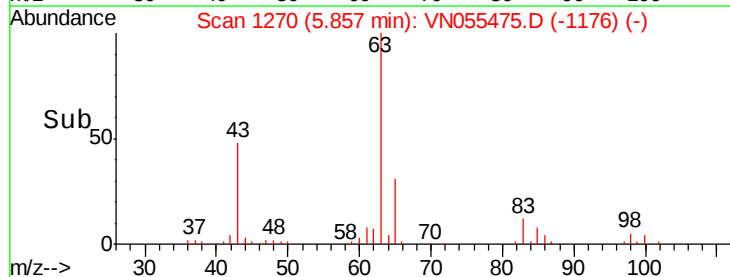
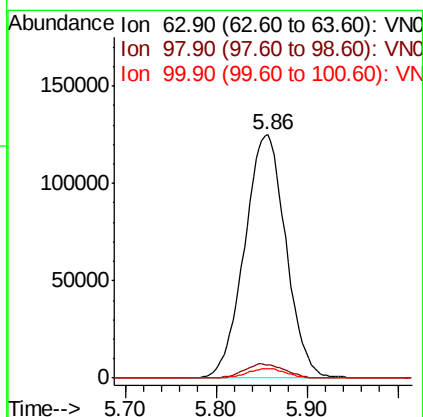
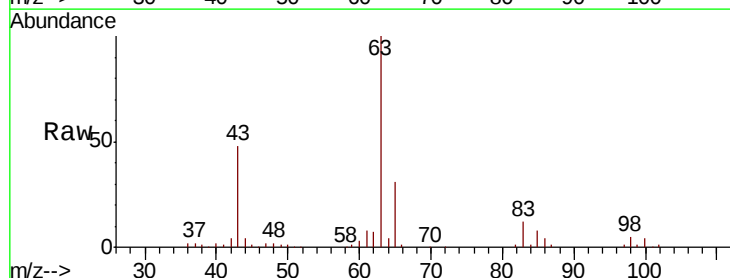
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

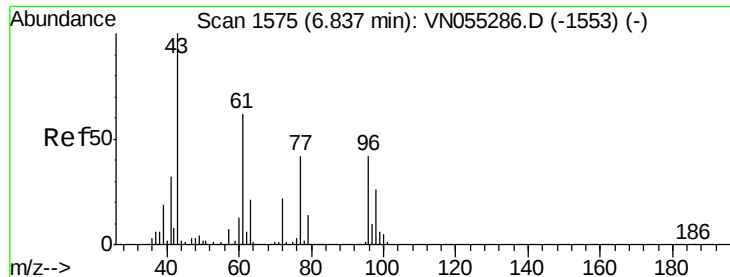
Tot Ion: 43 Resp: 2662453
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.6 10.0



#24
 1,1-Dichloroethane
 Concen: 53.812 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Tgt Ion: 63 Resp: 393936
 Ion Ratio Lower Upper
 63 100
 98 5.4 3.0 9.0
 100 4.0 1.8 5.4





#25

2-Butanone

Concen: 292.878 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

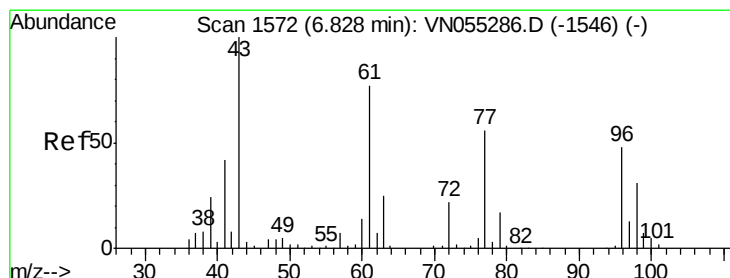
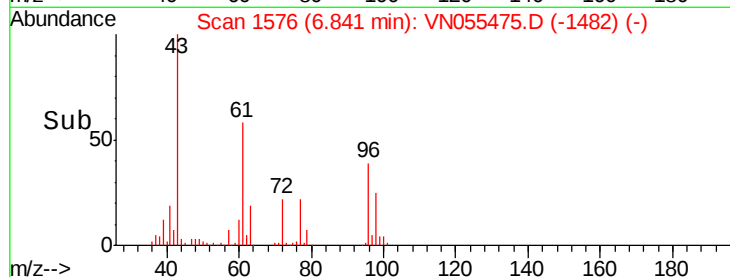
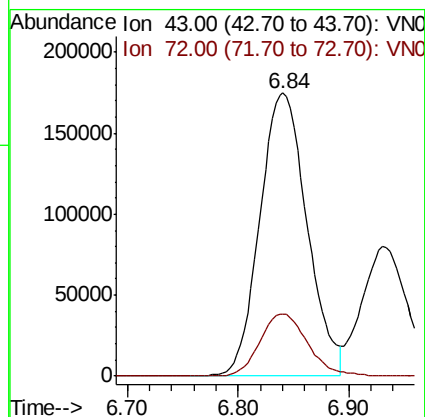
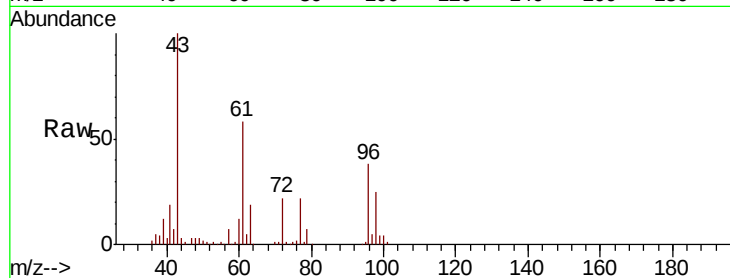
VSTDCCC050EC

Tot Ion: 43 Resp: 516048

Ion Ratio Lower Upper

43 100

72 22.2 18.0 27.0



#26

2,2-Dichloropropane

Concen: 29.769 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055475.D

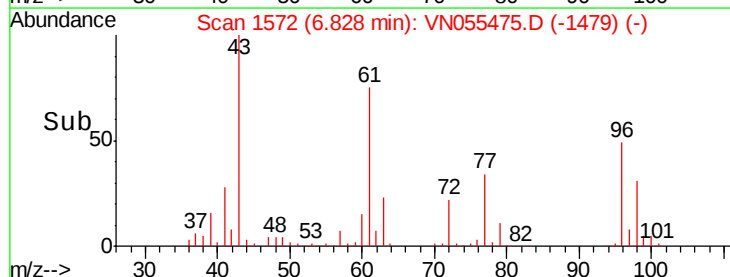
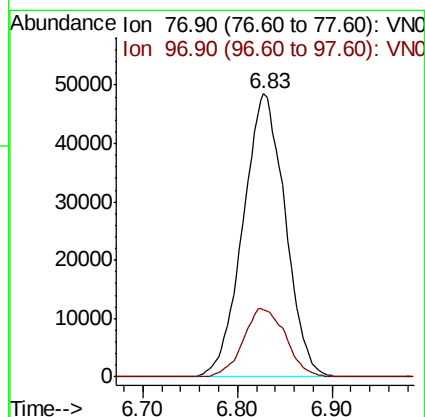
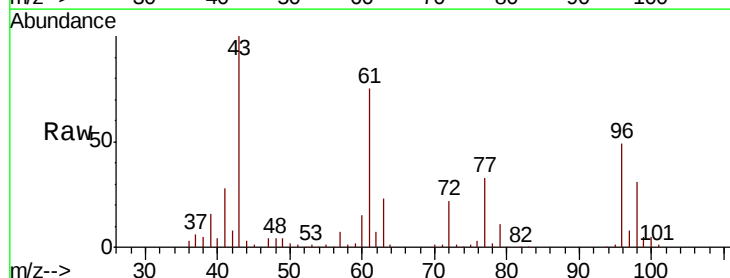
Acq: 8 May 2019 7:51

Tgt Ion: 77 Resp: 150489

Ion Ratio Lower Upper

77 100

97 24.1 11.4 34.2

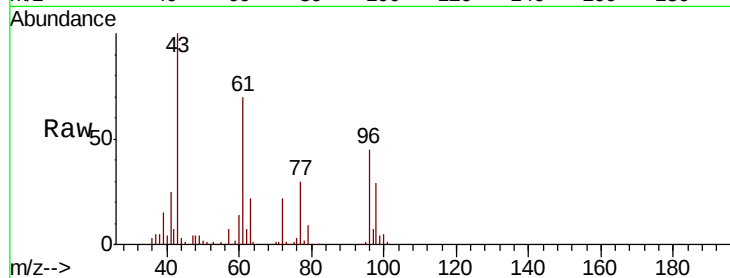




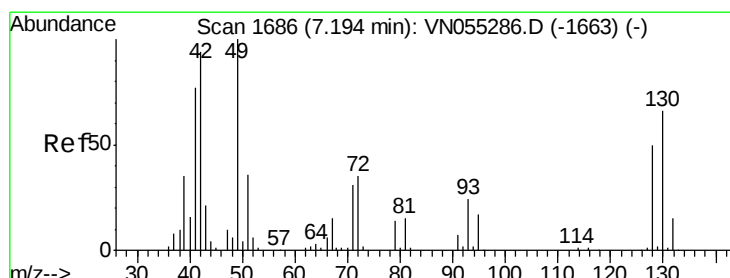
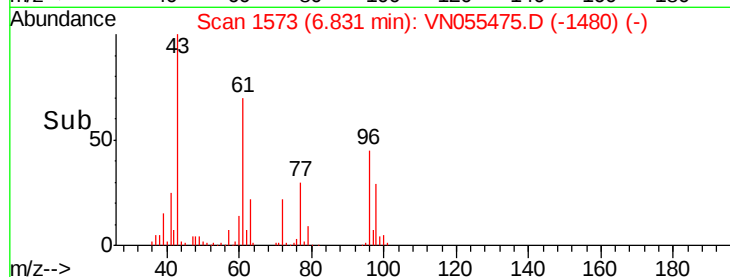
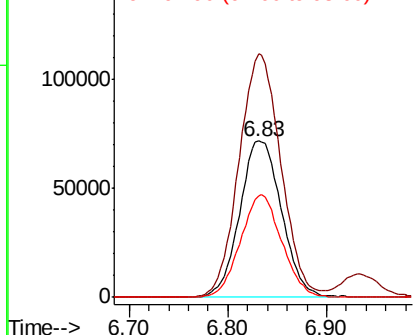
#27
 cis-1,2-Dichloroethene
 Concen: 52.431 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.9	0.0	316.2
98	64.7	0.0	126.6

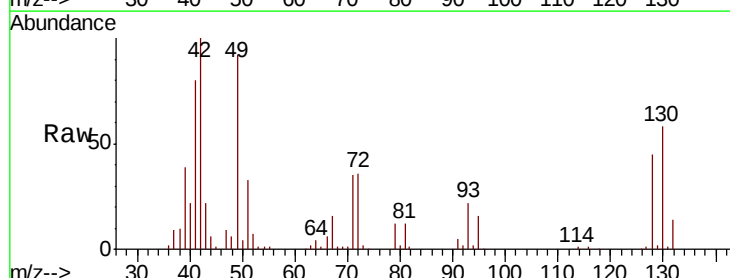


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

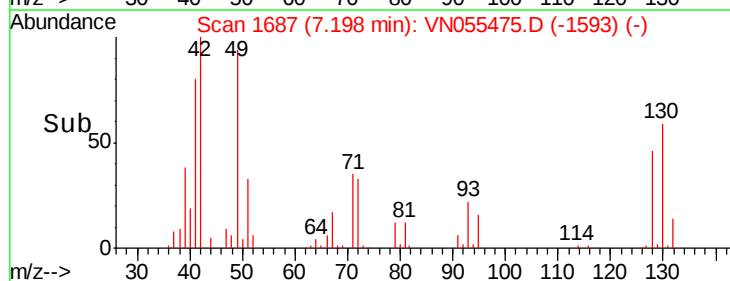
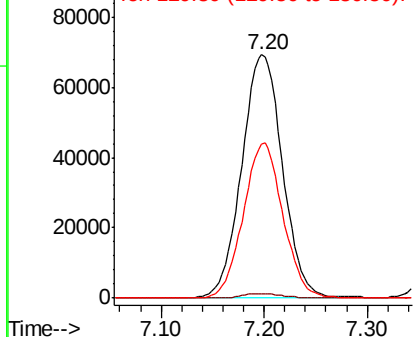


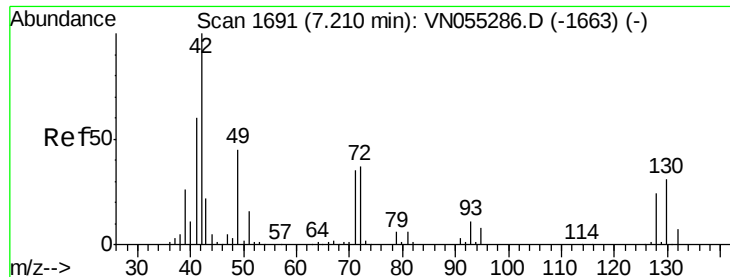
#28
 Bromochloromethane
 Concen: 51.517 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	2.4
130	62.0	52.0	78.0



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

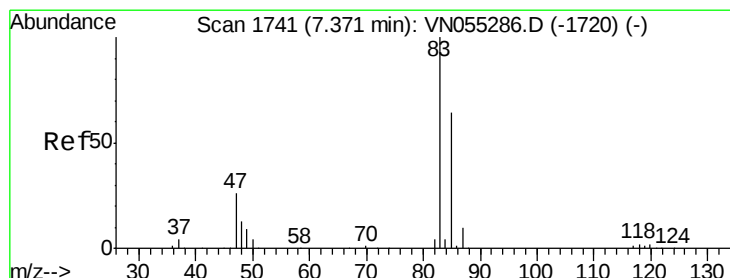
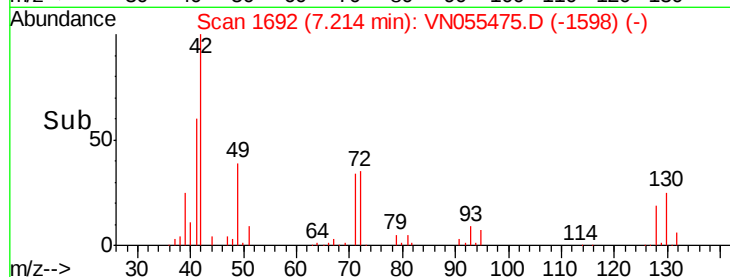
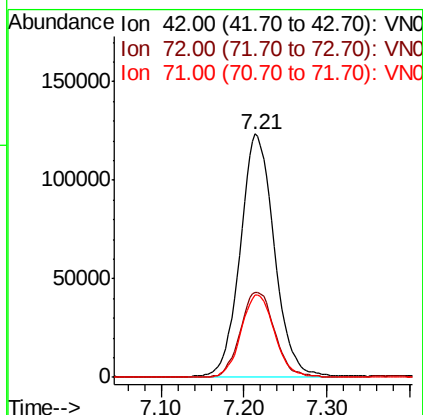
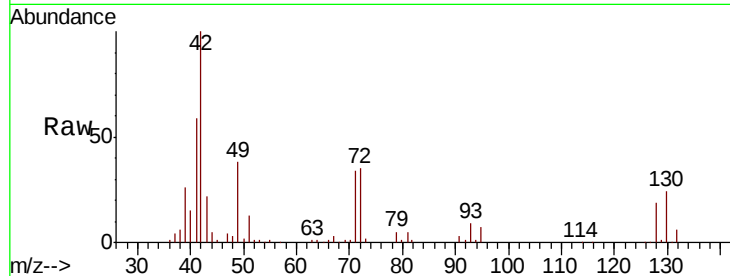




#29
Tetrahydrofuran
Concen: 310.478 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

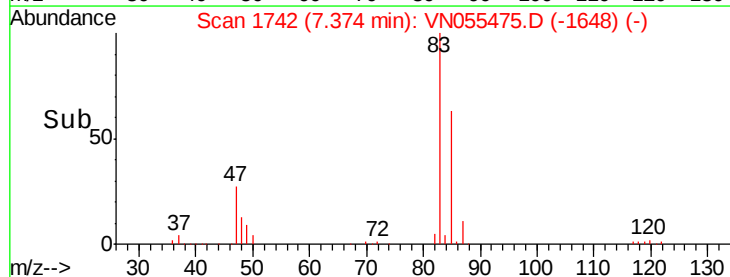
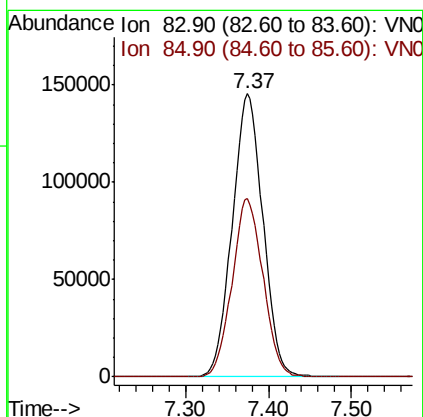
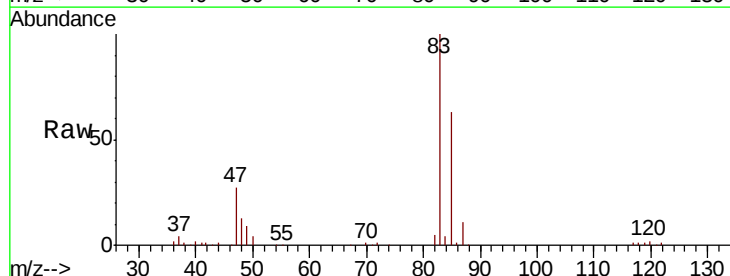
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

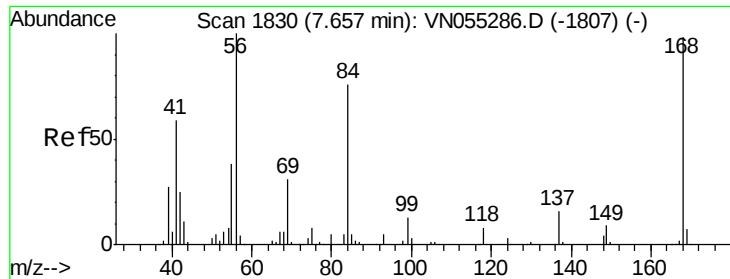
Tot Ion: 42 Resp: 350297
Ion Ratio Lower Upper
42 100
72 35.7 29.0 43.6
71 33.5 27.1 40.7



#30
Chloroform
Concen: 54.070 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion: 83 Resp: 375227
Ion Ratio Lower Upper
83 100
85 62.9 51.4 77.2

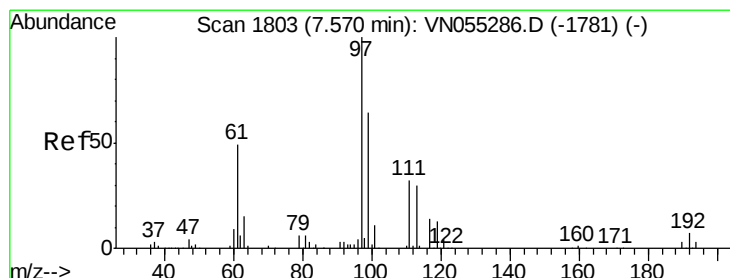
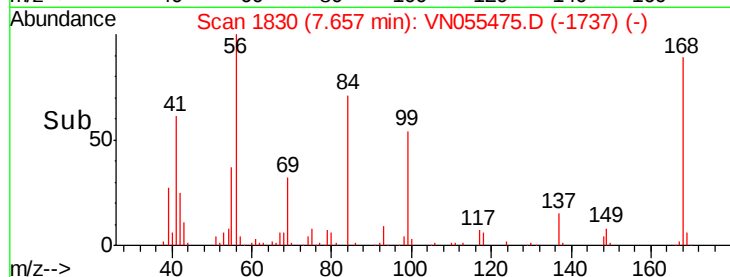
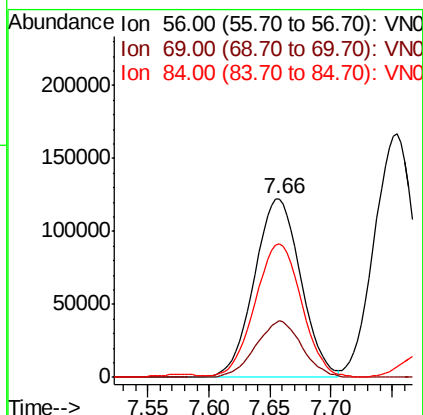
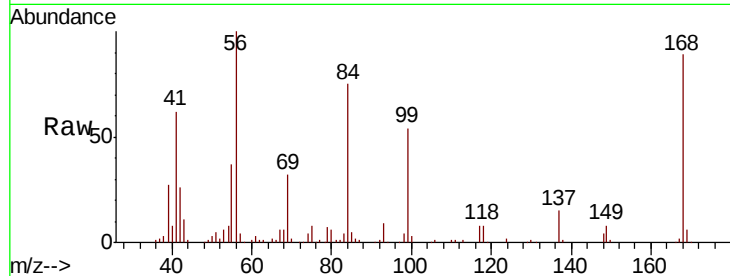




#31
Cyclohexane
Concen: 46.697 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

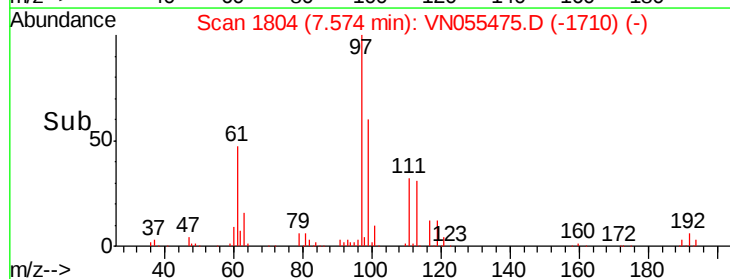
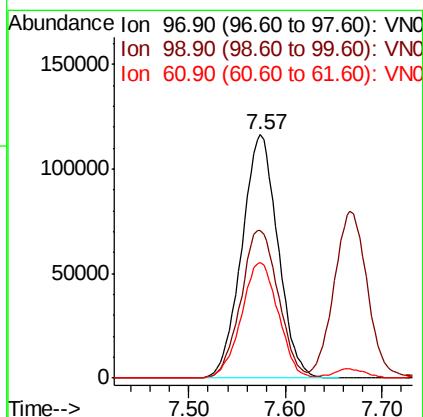
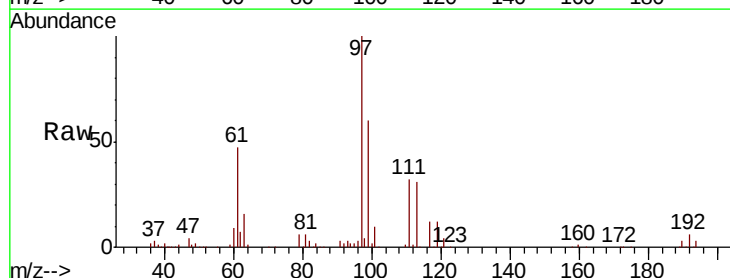
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 324795
Ion Ratio Lower Upper
56 100
69 31.6 25.2 37.8
84 73.1 61.1 91.7



#32
1,1,1-Trichloroethane
Concen: 53.653 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion: 97 Resp: 302183
Ion Ratio Lower Upper
97 100
99 62.8 51.8 77.8
61 48.6 39.0 58.6

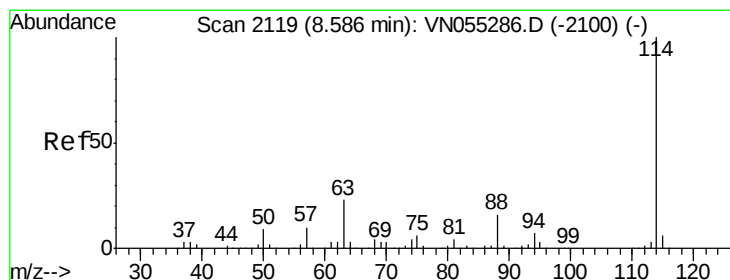
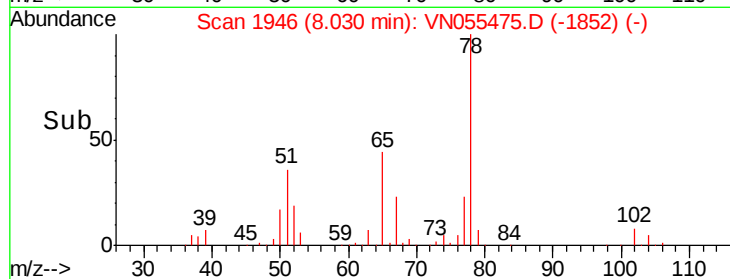
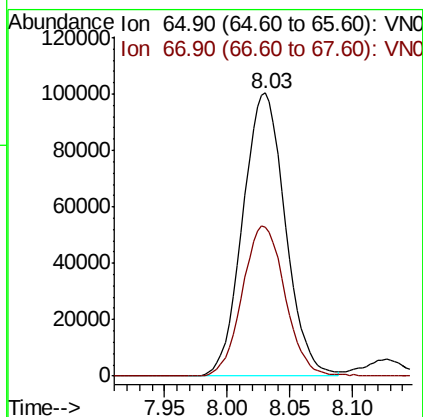
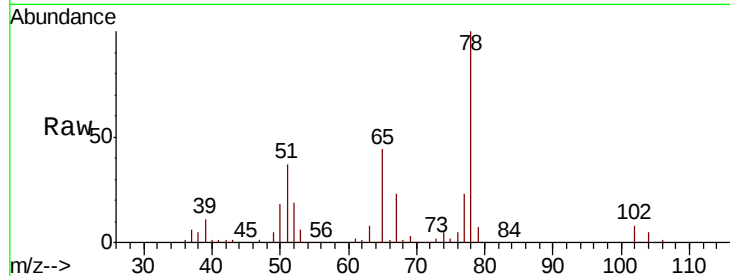




#33
 1,2-Dichloroethane-d4
 Concen: 53.559 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

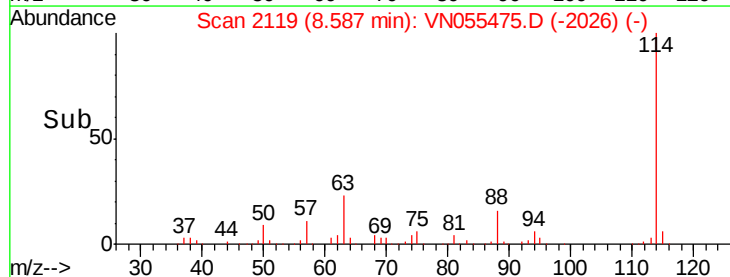
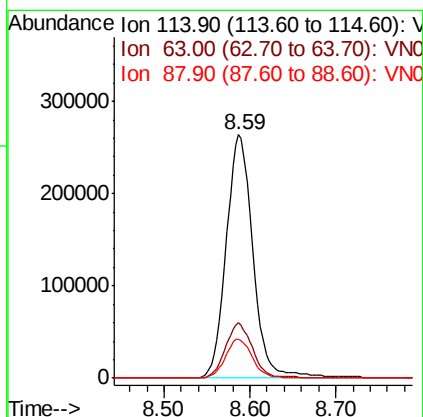
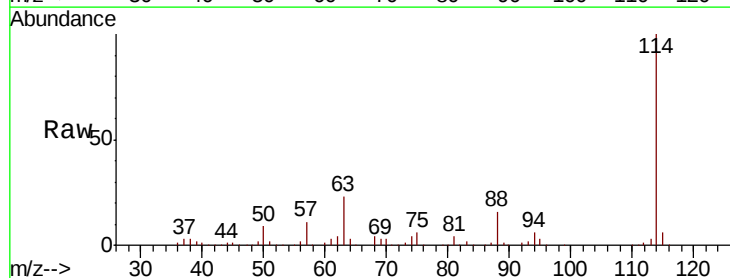
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

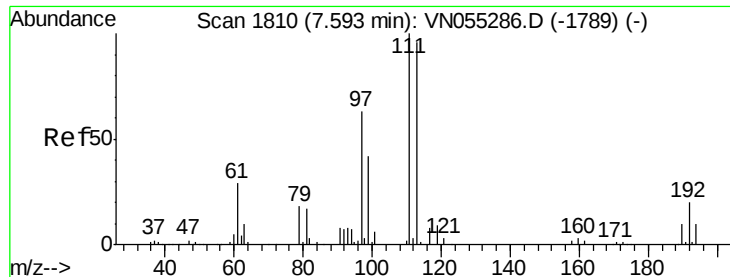
Tot Ion: 65 Resp: 236825
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Tgt Ion: 114 Resp: 570355
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.2
 88 16.0 0.0 31.6

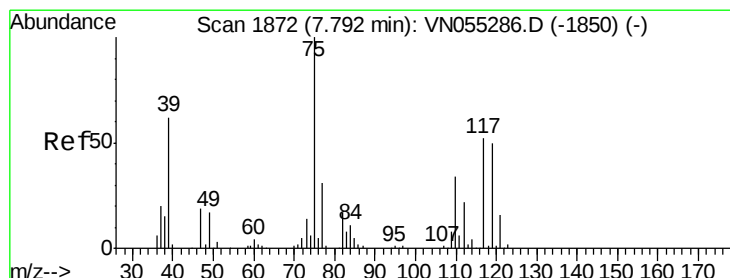
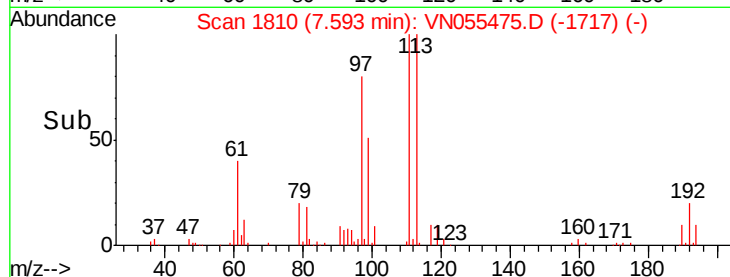
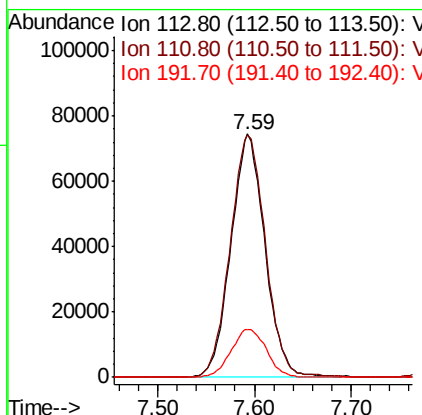
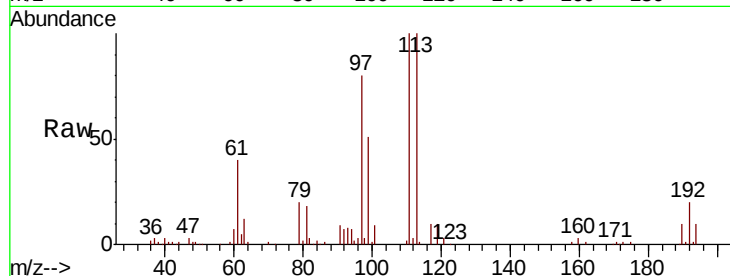




#35
 Dibromofluoromethane
 Concen: 48.640 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

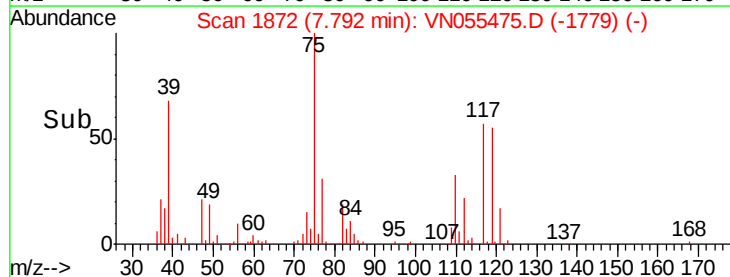
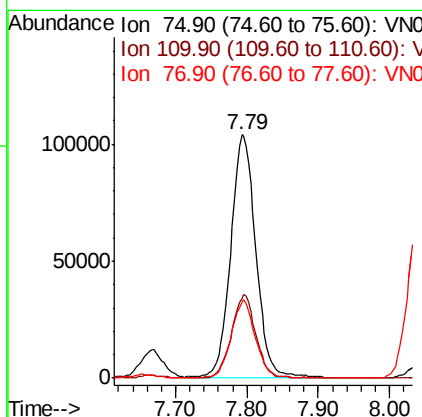
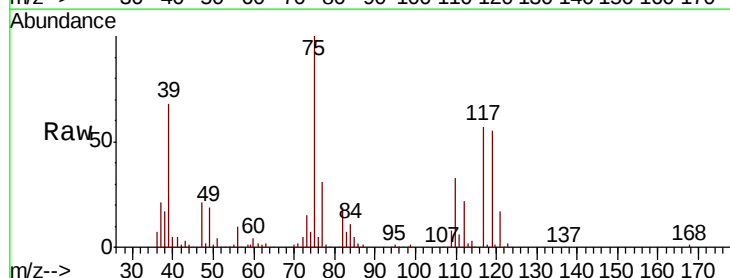
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

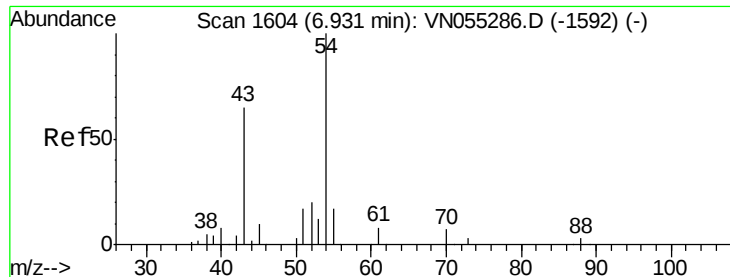
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.3	123.5
192	20.5	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 46.636 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.8	50.4
77	31.2	25.0	37.6

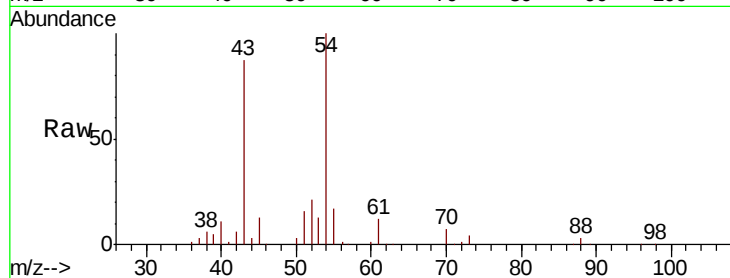




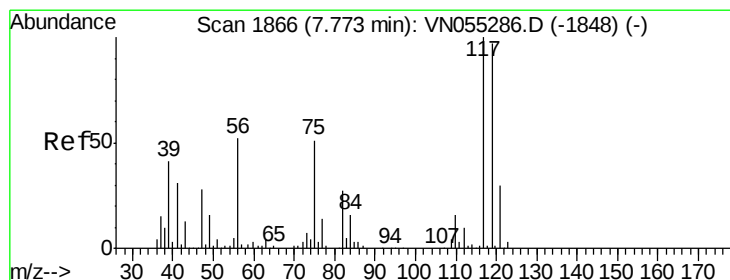
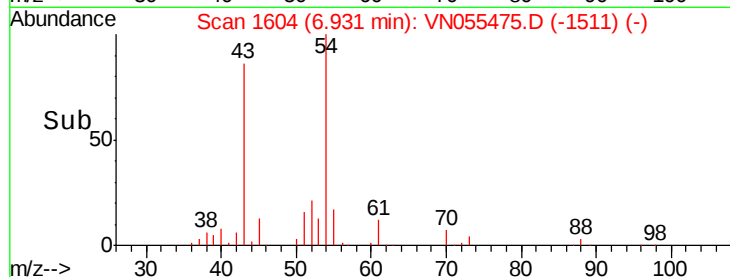
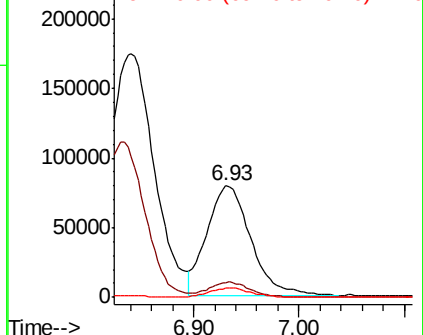
#37
Ethyl Acetate
Concen: 54.787 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 229393
Ion Ratio Lower Upper
43 100
61 12.6 10.4 15.6
70 8.3 6.6 10.0

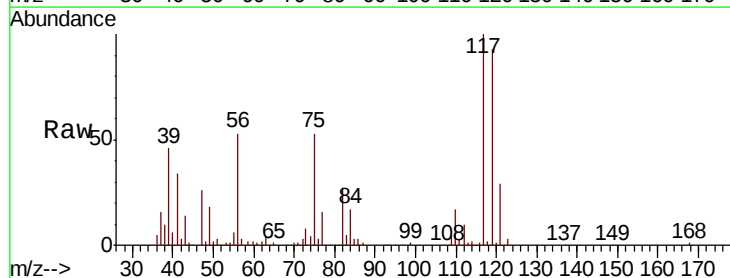


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

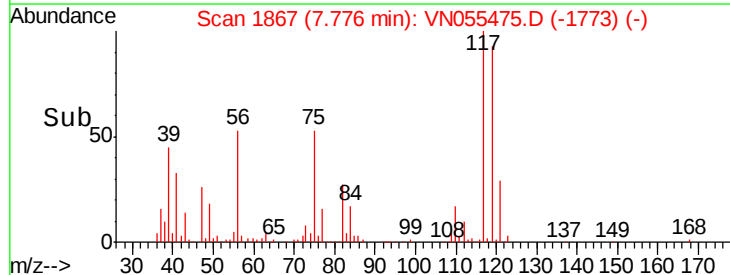
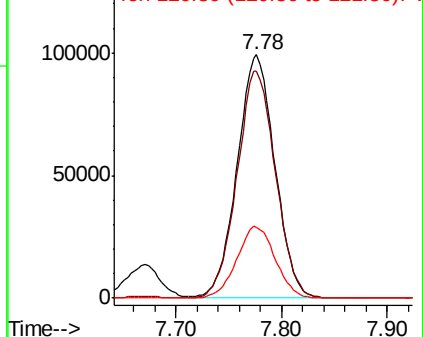


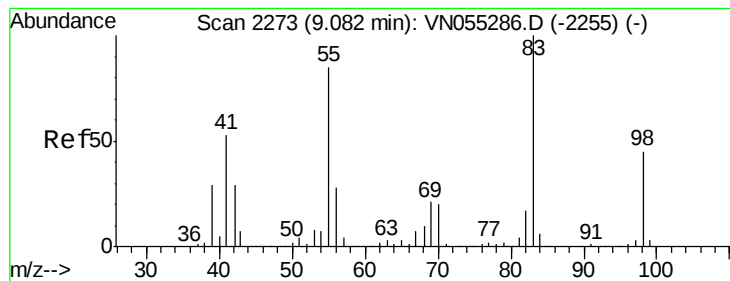
#38
Carbon Tetrachloride
Concen: 46.740 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion: 117 Resp: 246318
Ion Ratio Lower Upper
117 100
119 93.4 77.0 115.6
121 29.2 23.8 35.8



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





#39

Methvlcvclohexane

Concen: 46.572 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

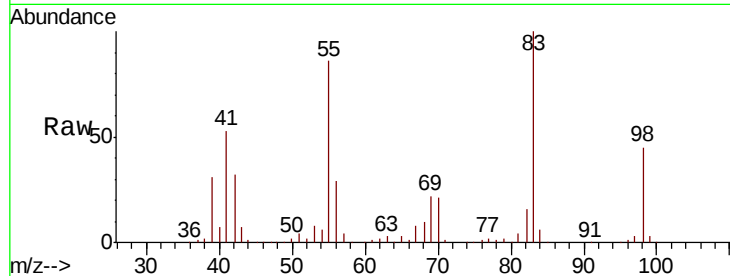
Tot Ion: 83 Resp: 270513

Ion Ratio Lower Upper

83 100

55 85.9 67.8 101.6

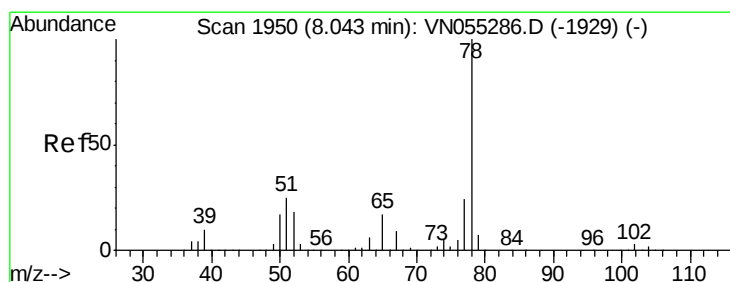
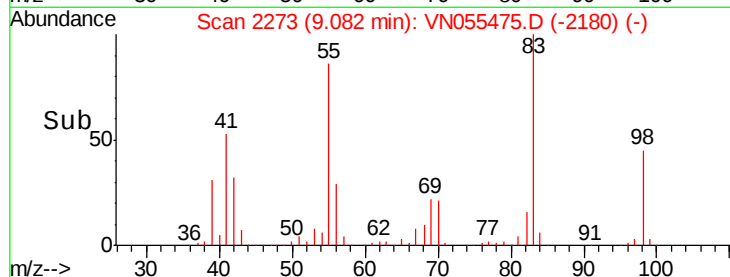
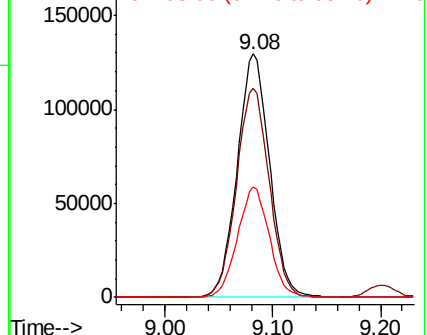
98 45.2 36.2 54.4



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: 49.375 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055475.D

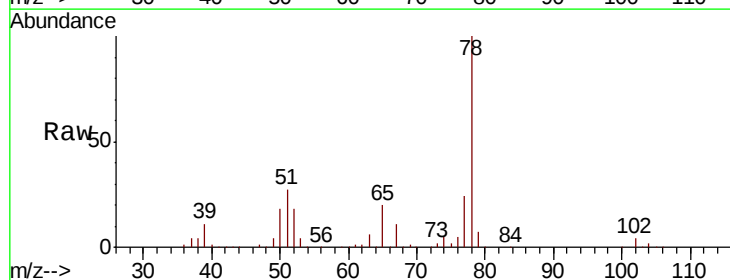
Acq: 8 May 2019 7:51

Tgt Ion: 78 Resp: 795176

Ion Ratio Lower Upper

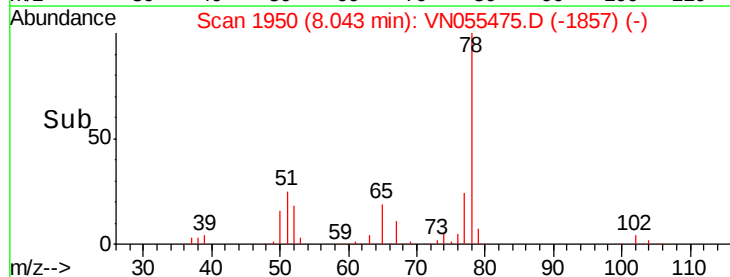
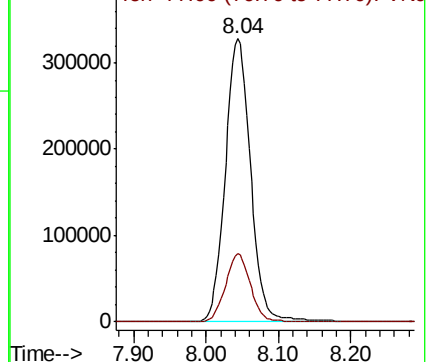
78 100

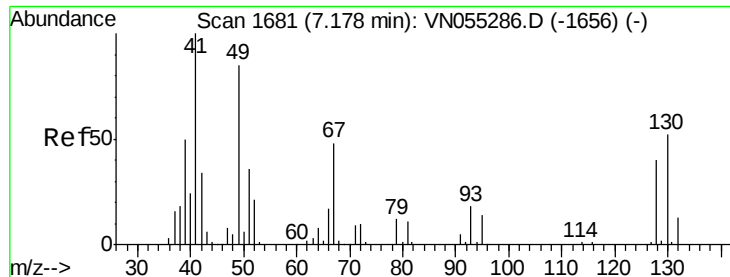
77 23.9 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

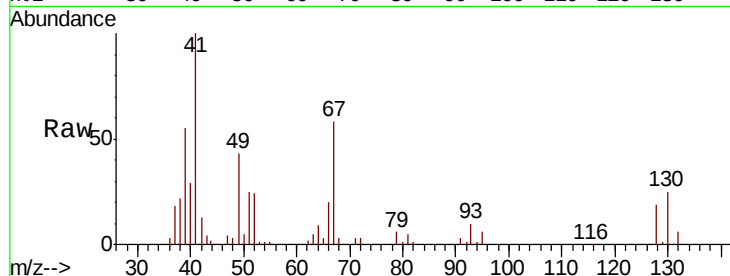




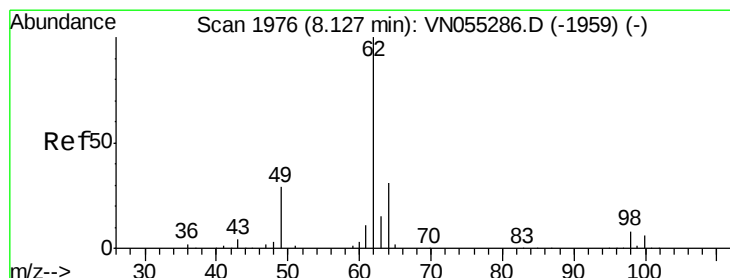
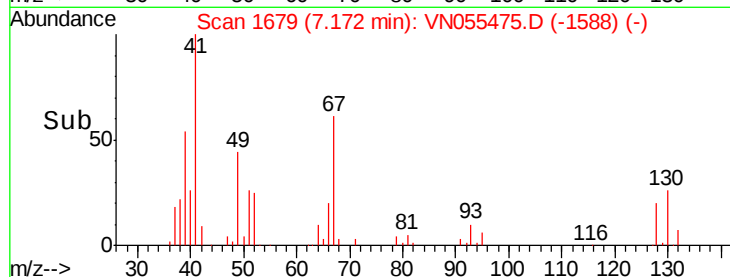
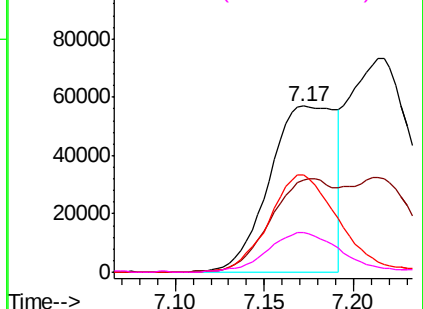
#41
Methacrylonitrile
Concen: 64.648 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	146996
Ion	Ratio	Lower	Upper
41	100		
39	53.4	48.5	72.7
67	62.5	54.9	82.3
52	27.2	24.9	37.3

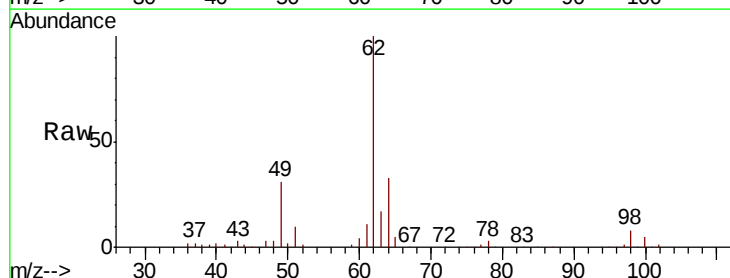


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

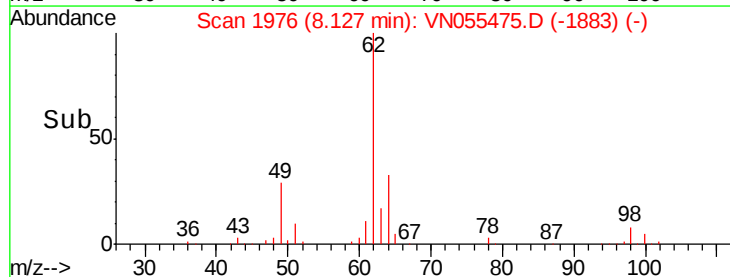
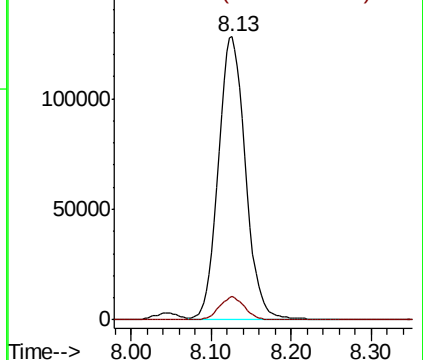


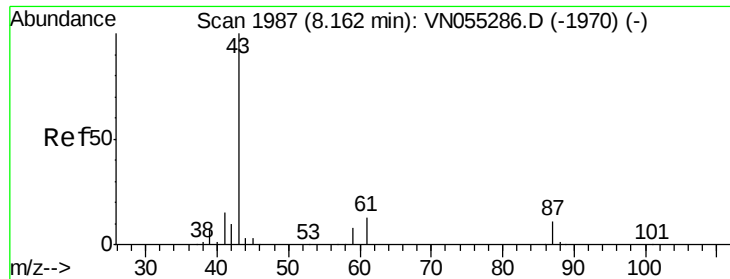
#42
1,2-Dichloroethane
Concen: 52.701 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion:	62	Resp:	300606
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	16.4



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





#43

Isopropyl Acetate

Concen: 59.668 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

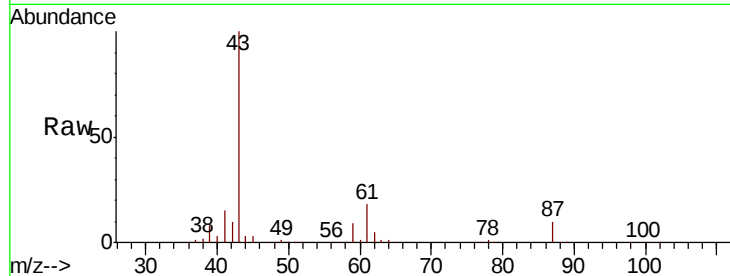
Tot Ion: 43 Resp: 401494

Ion Ratio Lower Upper

43 100

61 24.8 20.8 31.2

87 10.6 8.5 12.7

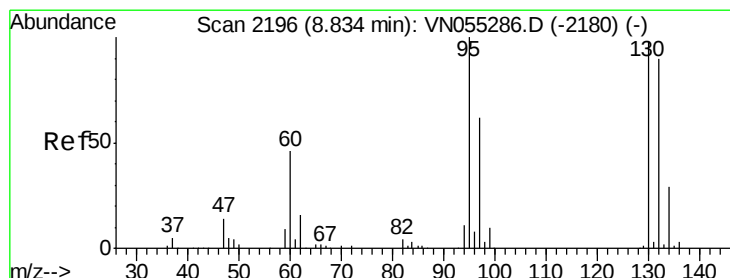
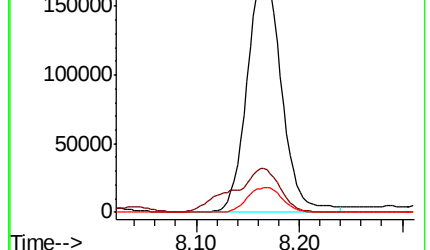
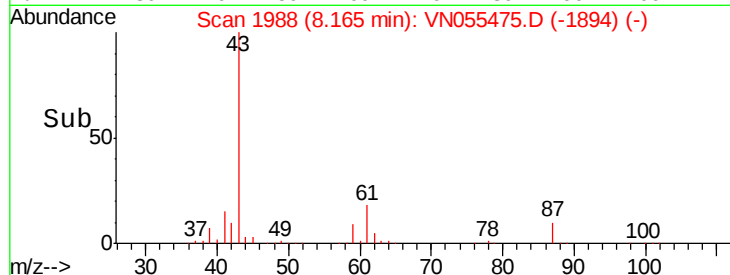


Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055286.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055286.D (-1970) (-)

8.17



#44

Trichloroethene

Concen: 48.655 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055475.D

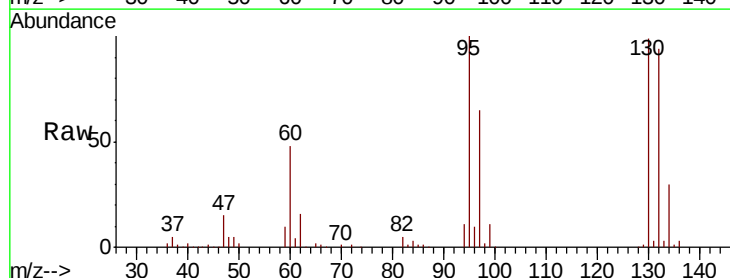
Acq: 8 May 2019 7:51

Tgt Ion:130 Resp: 199758

Ion Ratio Lower Upper

130 100

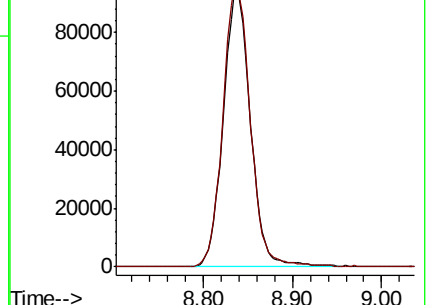
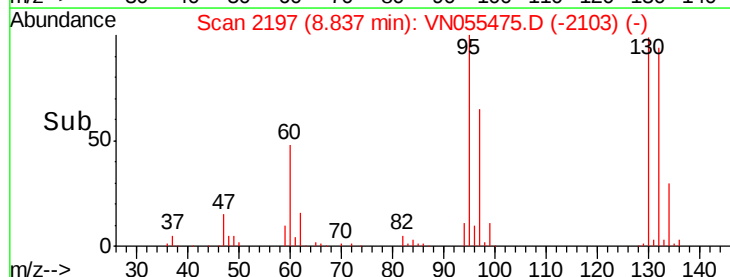
95 100.6 0.0 203.4

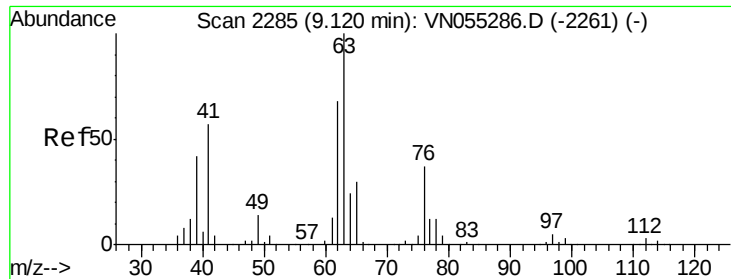


Abundance Ion 129.80 (129.50 to 130.50): VN055286.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055286.D (-2180) (-)

8.84





#45

1,2-Dichloropropane

Concen: 51.903 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

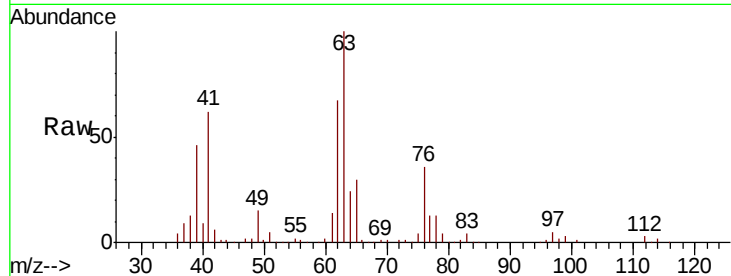
VSTDCCC050EC

Tot Ion: 63 Resp: 241085

Ion Ratio Lower Upper

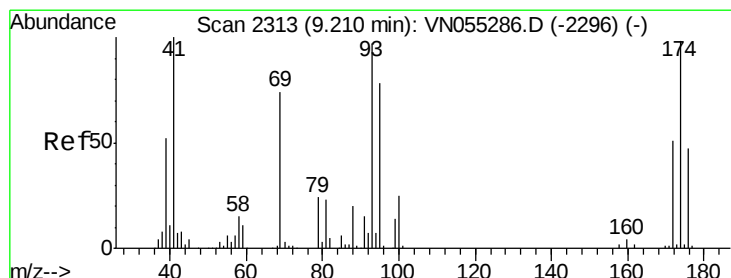
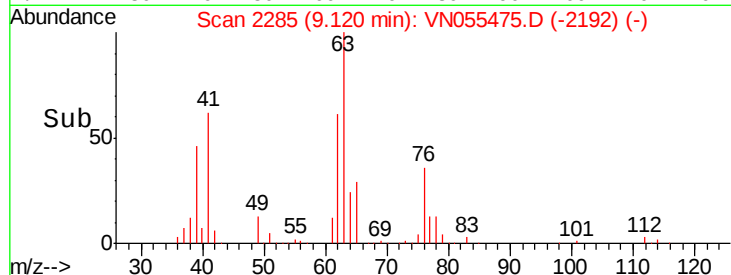
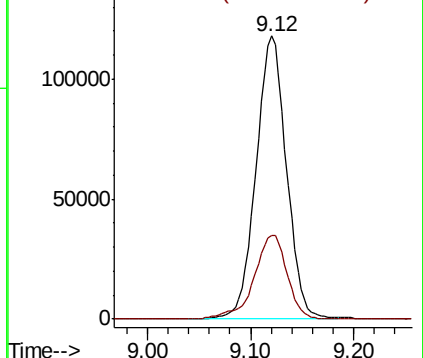
63 100

65 29.7 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 50.093 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

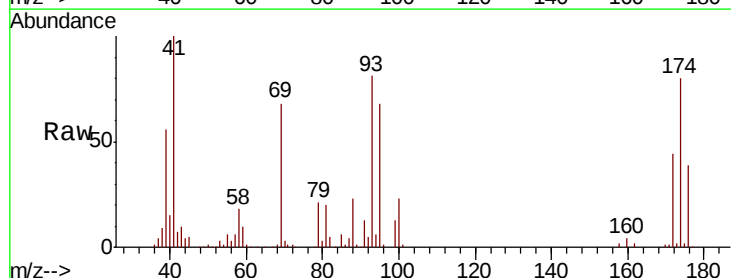
Tgt Ion: 93 Resp: 127183

Ion Ratio Lower Upper

93 100

95 84.2 65.7 98.5

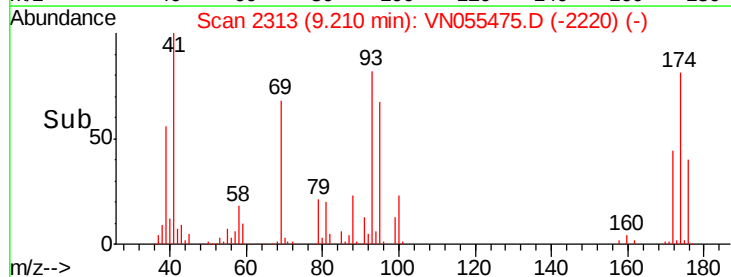
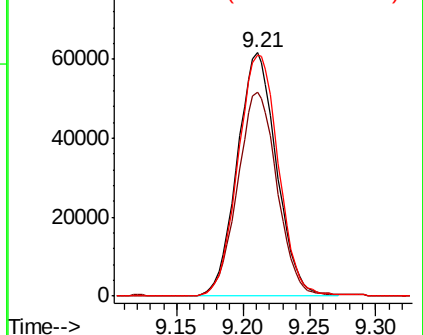
174 102.1 81.5 122.3



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: 52.138 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

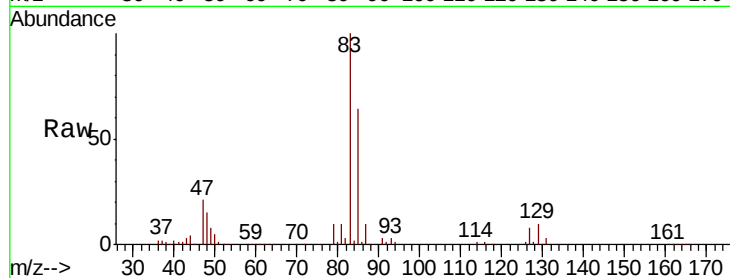
Tot Ion: 83 Resp: 283983

Ion Ratio Lower Upper

83 100

85 63.7 50.1 75.1

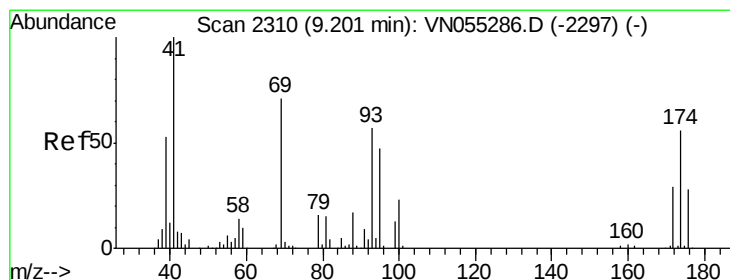
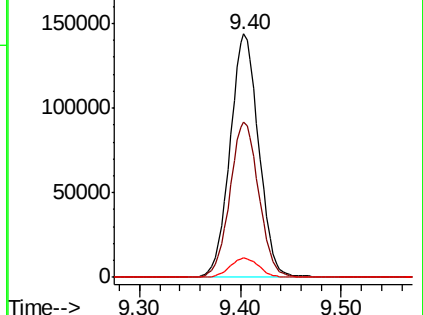
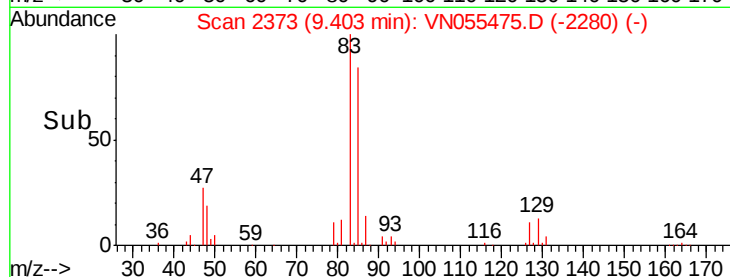
127 7.9 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN055475.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055475.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055475.D (-2280) (-)



#48

Methyl methacrylate

Concen: 59.578 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

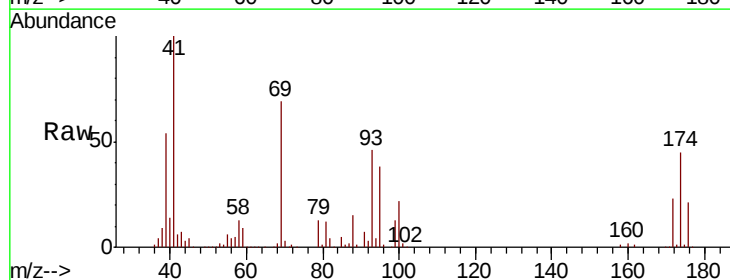
Tgt Ion: 41 Resp: 197078

Ion Ratio Lower Upper

41 100

69 69.2 58.6 87.8

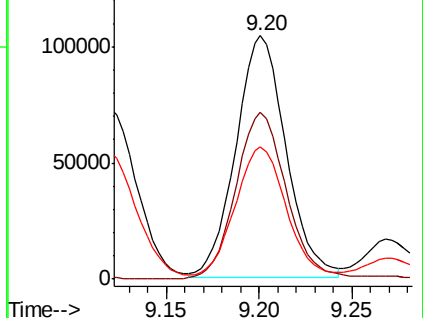
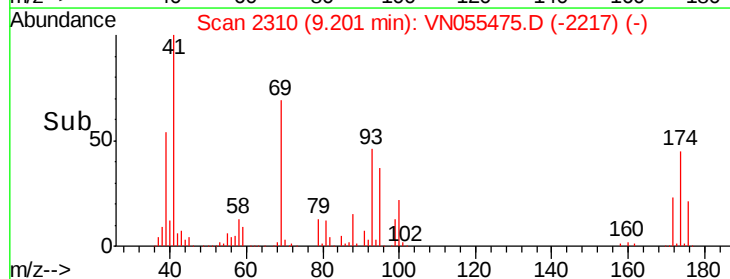
39 55.4 43.8 65.6

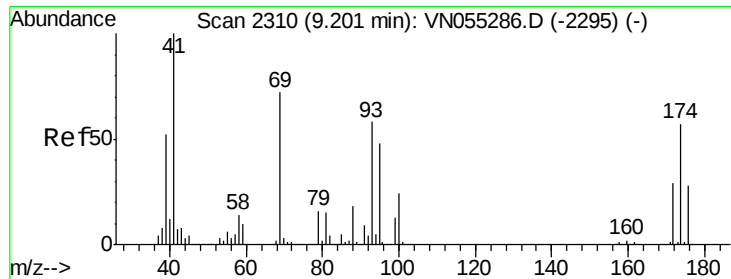


Abundance Ion 41.00 (40.70 to 41.70): VN055475.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055475.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055475.D (-2217) (-)





#49

1,4-Dioxane

Concen: 1131.753 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

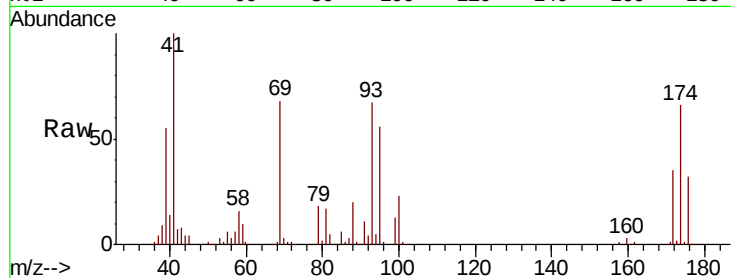
Tot Ion: 88 Resp: 38700

Ion Ratio Lower Upper

88 100

43 41.6 33.3 49.9

58 79.4 62.7 94.1

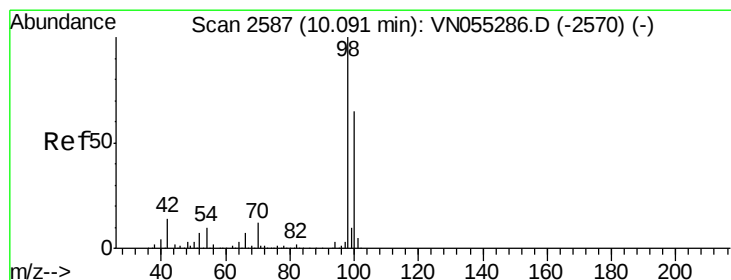
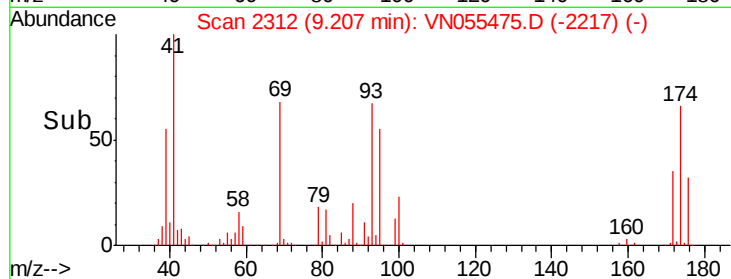
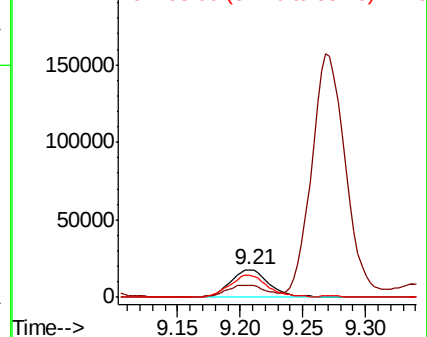


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 47.525 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055475.D

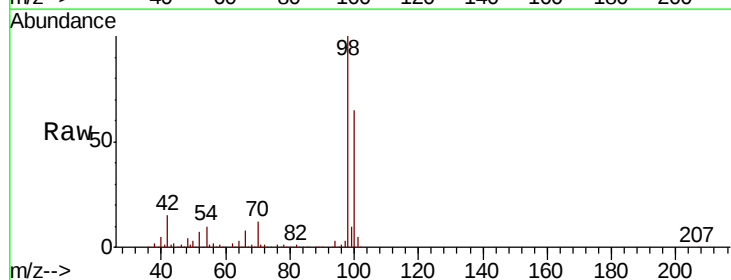
Acq: 8 May 2019 7:51

Tgt Ion: 98 Resp: 642430

Ion Ratio Lower Upper

98 100

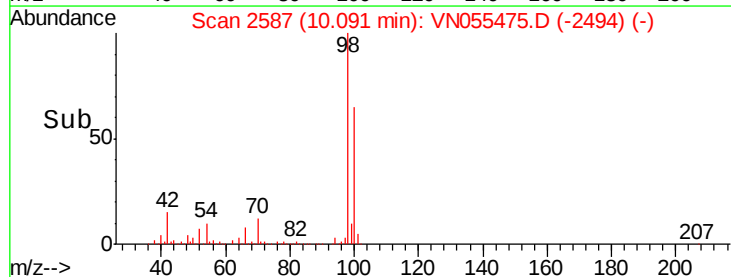
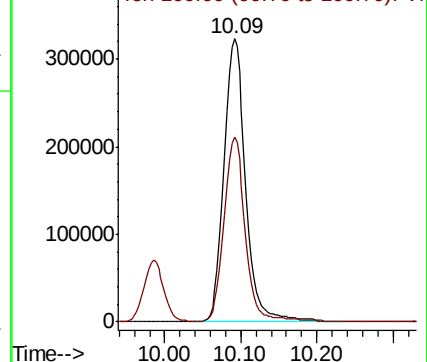
100 64.4 51.7 77.5



Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 300.845 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

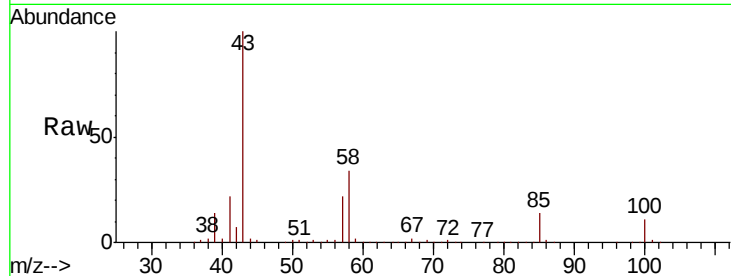
VSTDCCC050EC

Tot Ion: 43 Resp: 1139727

Ion Ratio Lower Upper

43 100

58 34.3 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

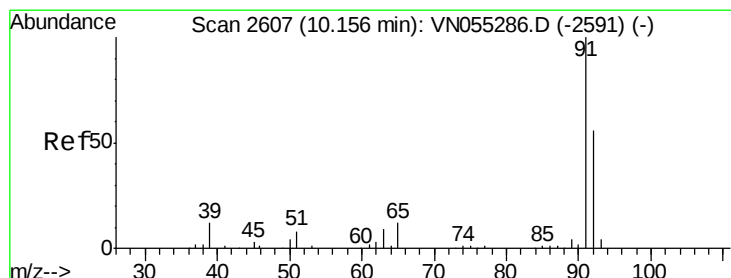
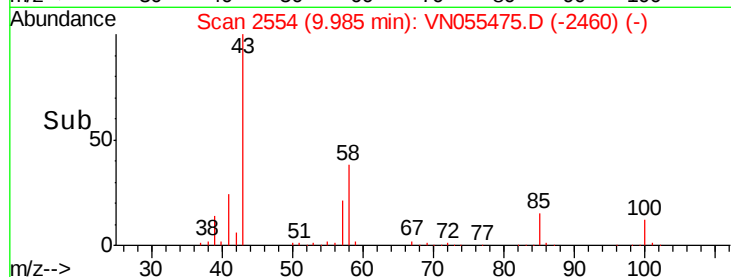
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.215 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055475.D

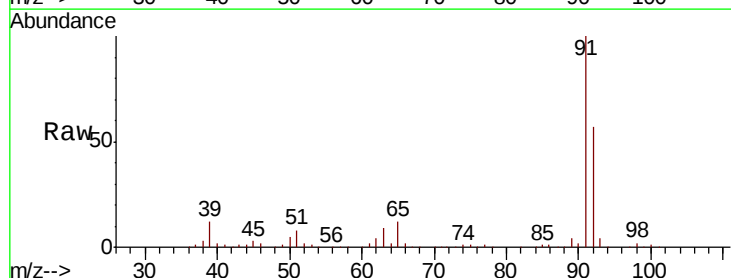
Acq: 8 May 2019 7:51

Tgt Ion: 92 Resp: 454773

Ion Ratio Lower Upper

92 100

91 175.3 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

400000

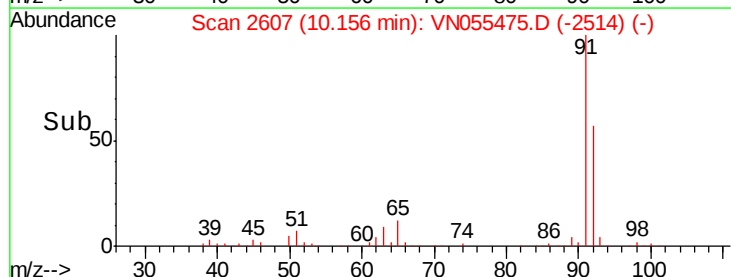
300000

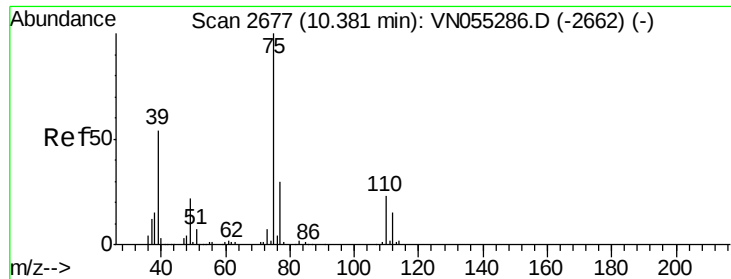
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.439 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

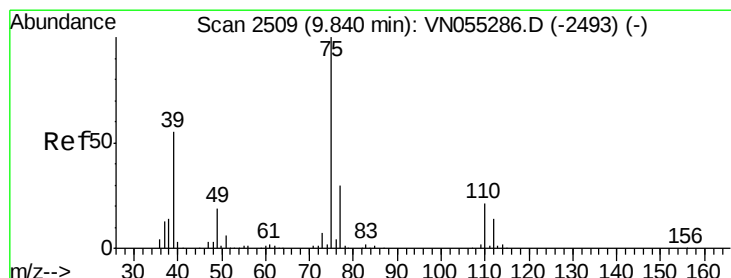
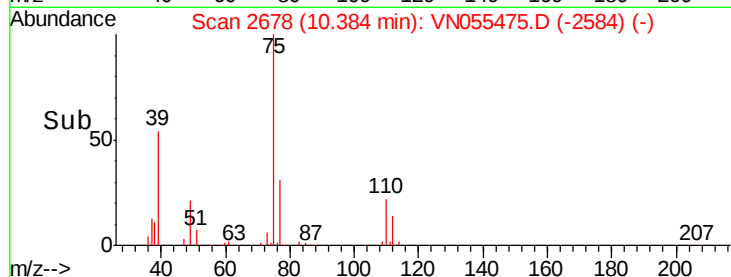
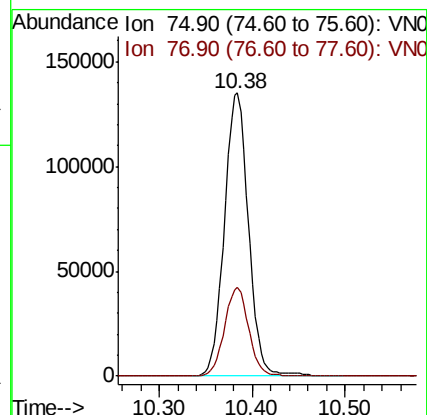
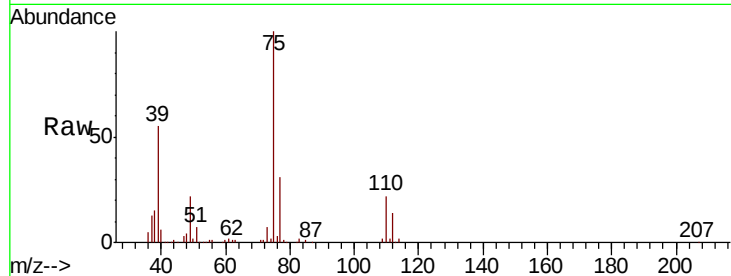
VSTDCCC050EC

Tot Ion: 75 Resp: 243221

Ion Ratio Lower Upper

75 100

77 31.2 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 49.980 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

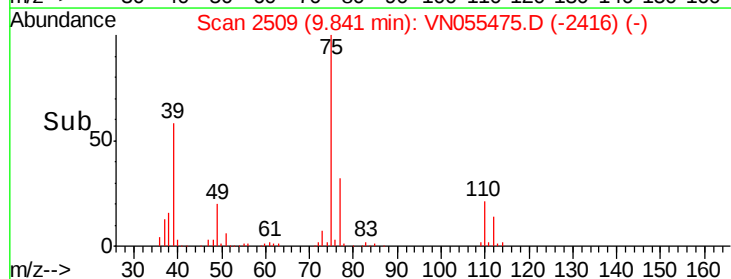
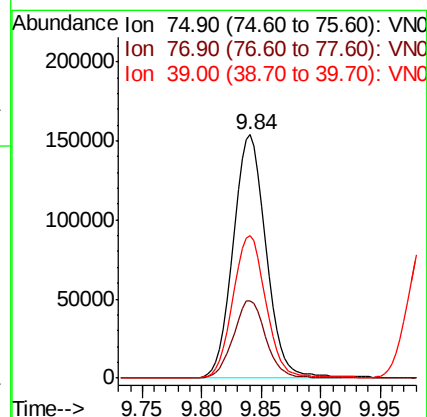
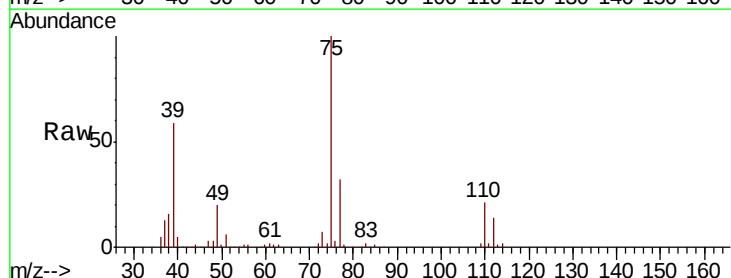
Tgt Ion: 75 Resp: 294651

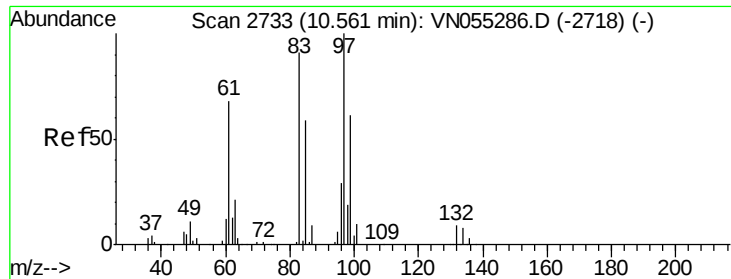
Ion Ratio Lower Upper

75 100

77 31.9 24.2 36.2

39 58.3 44.2 66.2



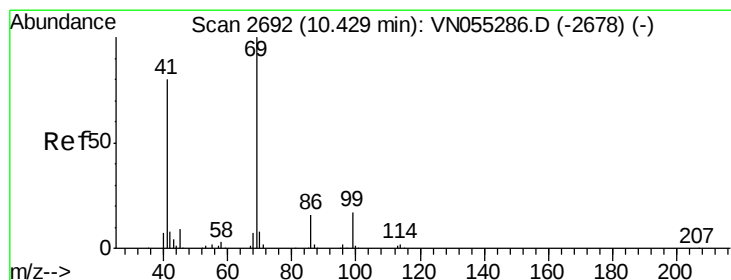
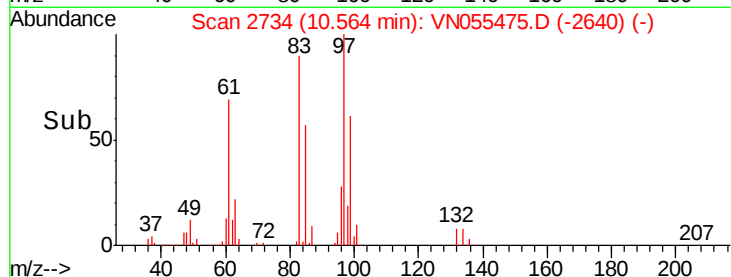
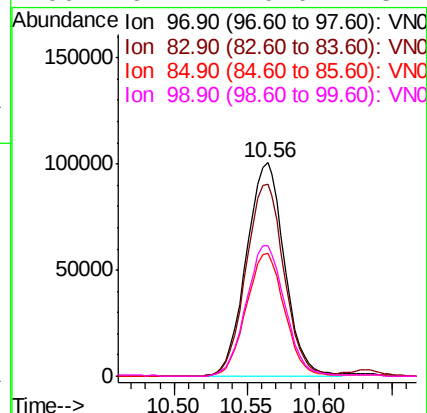
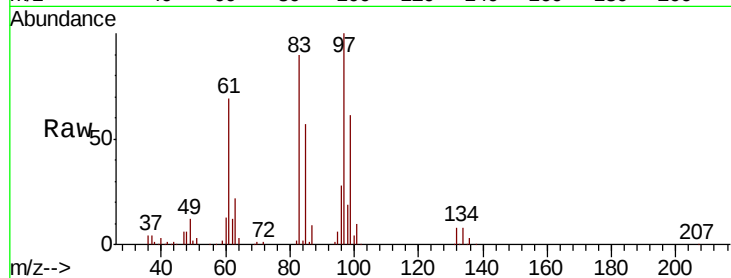


#55
 1,1,2-Trichloroethane
 Concen: 53.790 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 184573

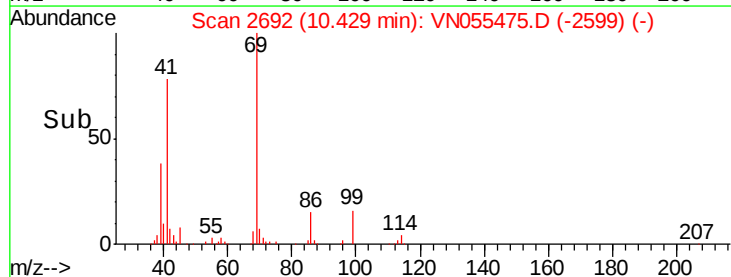
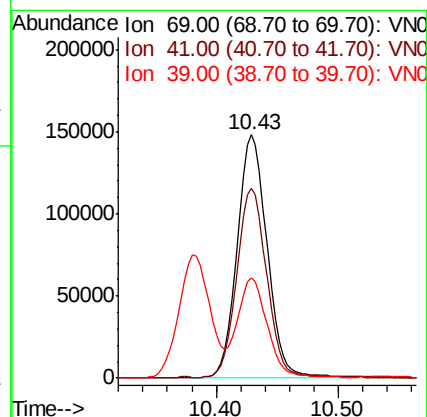
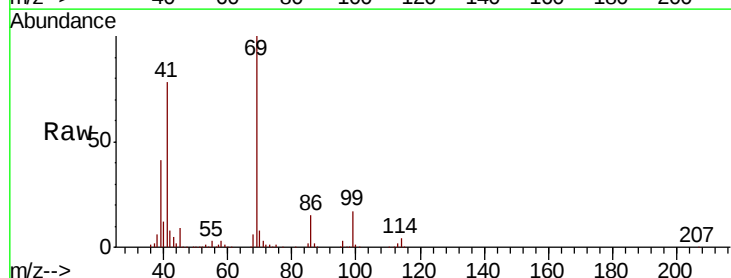
Ion	Ratio	Lower	Upper
97	100		
83	90.2	72.8	109.2
85	57.2	47.0	70.6
99	61.1	49.0	73.4

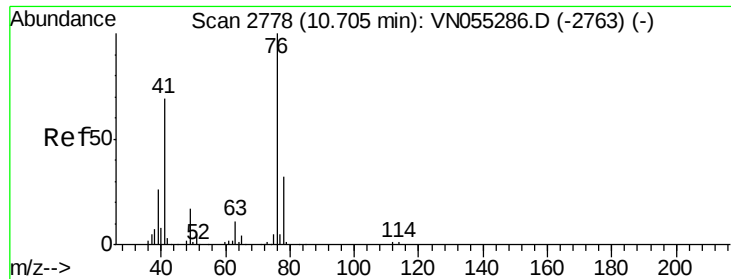


#56
 Ethyl methacrylate
 Concen: 59.974 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Tgt Ion: 69 Resp: 253301

Ion	Ratio	Lower	Upper
69	100		
41	79.2	62.7	94.1
39	40.9	32.0	48.0





#57

1,3-Dichloropropane

Concen: 53.845 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

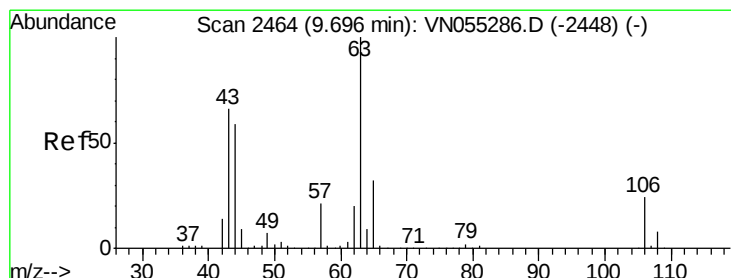
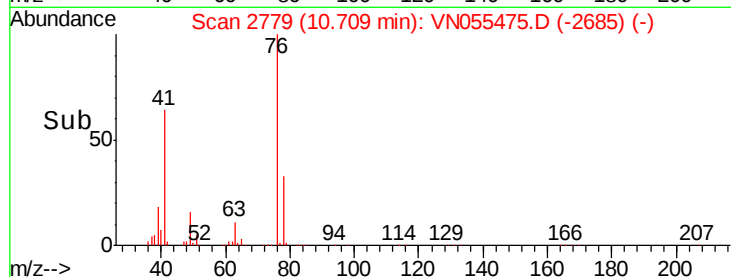
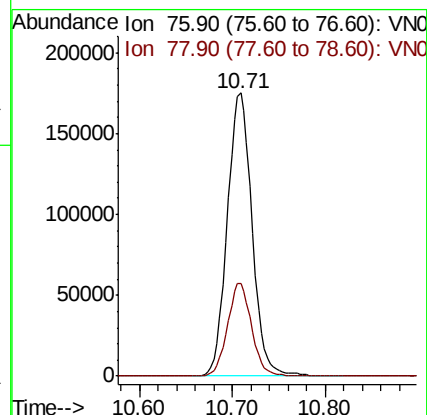
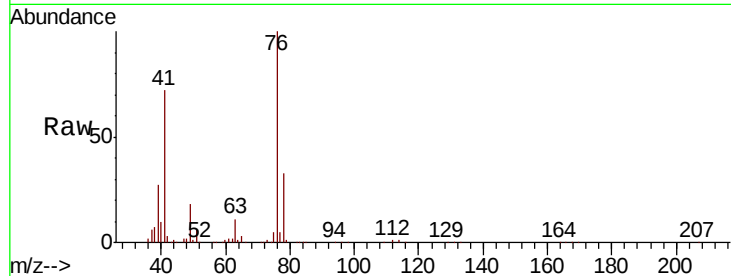
VSTDCCC050EC

Tot Ion: 76 Resp: 324123

Ion Ratio Lower Upper

76 100

78 31.9 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 193.615 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055475.D

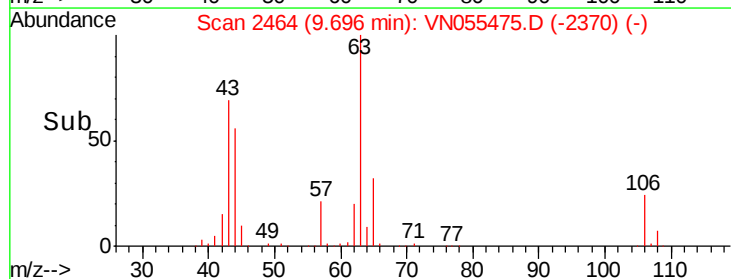
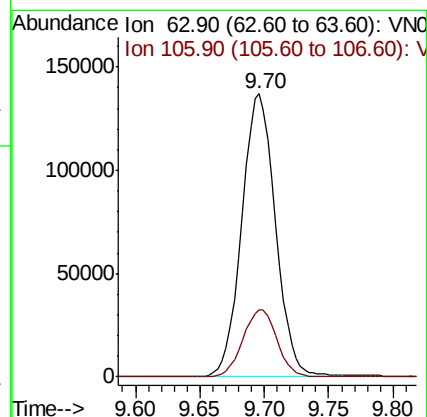
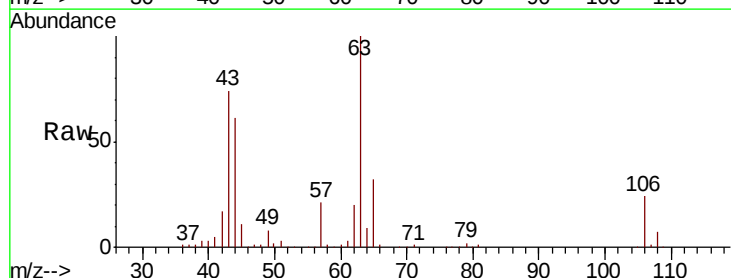
Acq: 8 May 2019 7:51

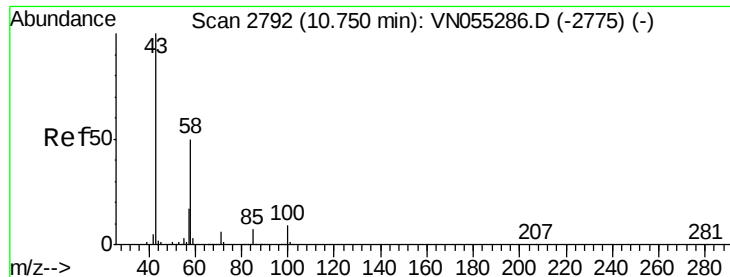
Tgt Ion: 63 Resp: 249923

Ion Ratio Lower Upper

63 100

106 23.8 19.0 28.4

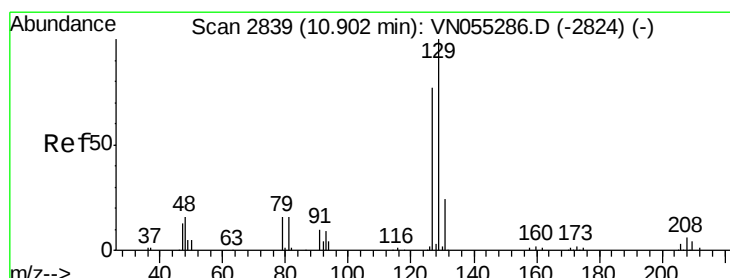
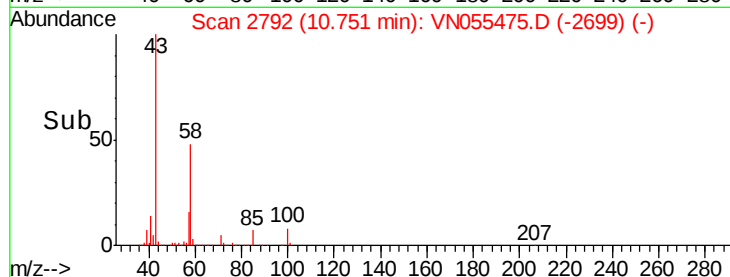
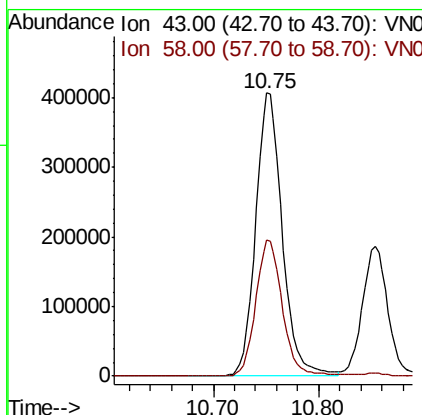
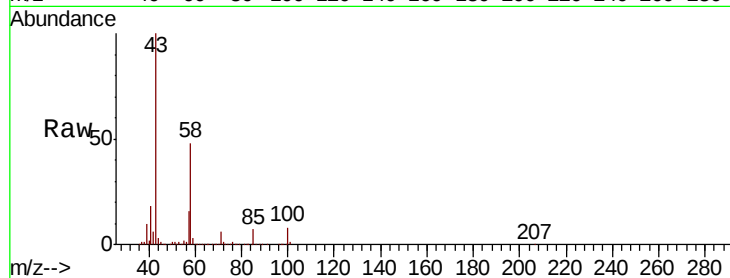




#59
2-Hexanone
Concen: 300.775 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

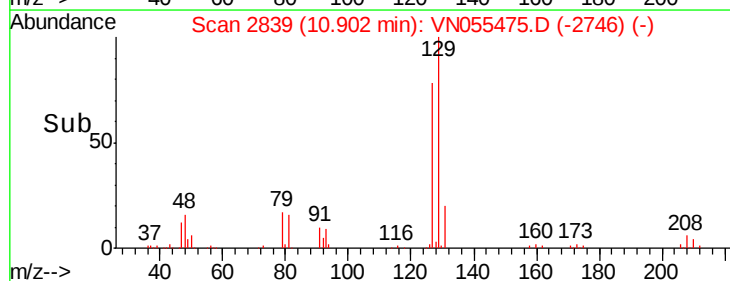
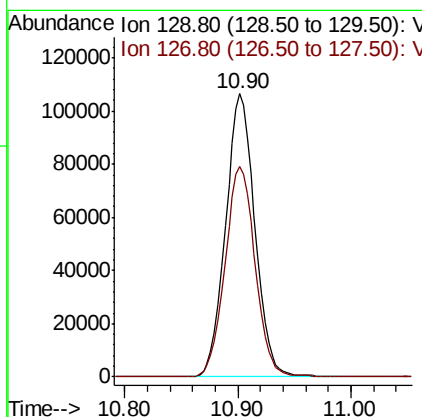
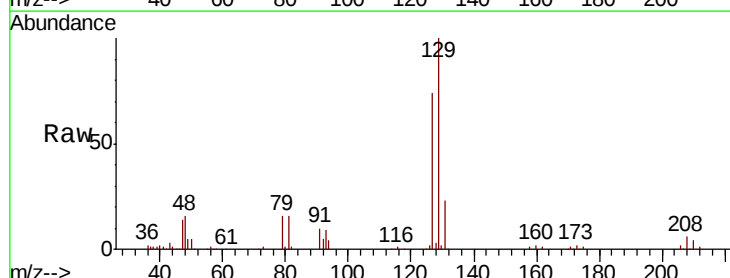
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

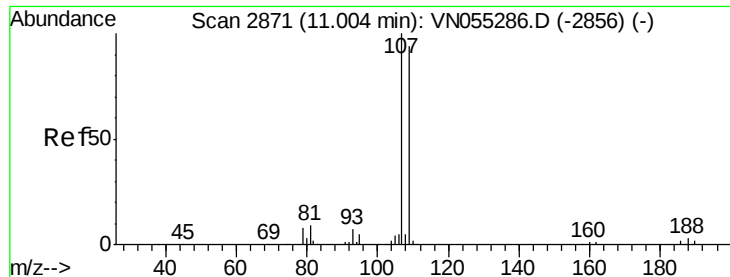
Tot Ion: 43 Resp: 712944
Ion Ratio Lower Upper
43 100
58 48.4 24.9 74.6



#60
Dibromochloromethane
Concen: 54.472 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion: 129 Resp: 191034
Ion Ratio Lower Upper
129 100
127 76.3 38.1 114.5

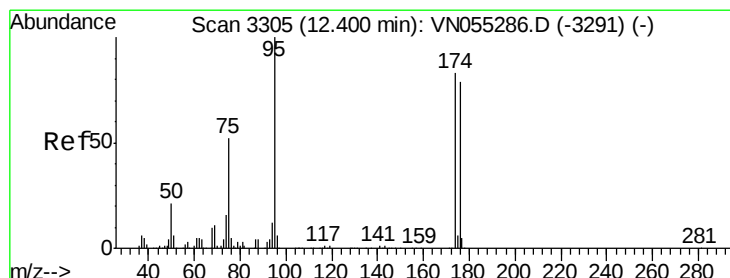
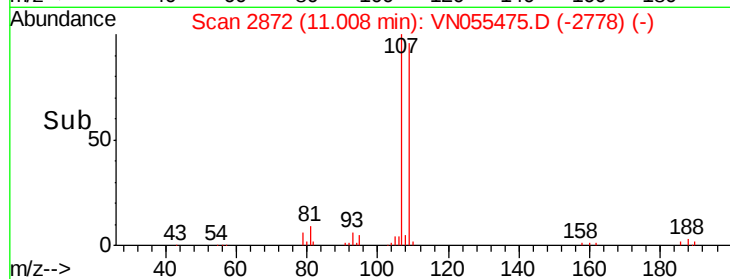
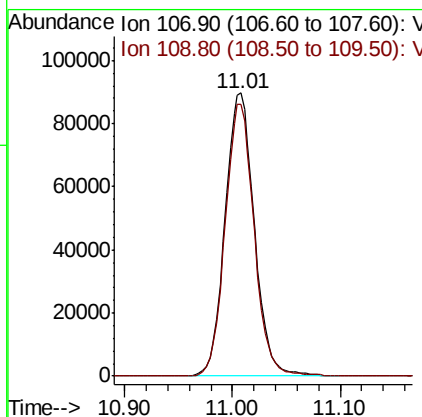
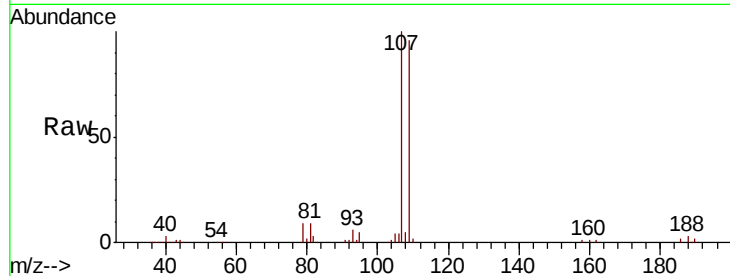




#61
 1,2-Dibromoethane
 Concen: 53.383 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

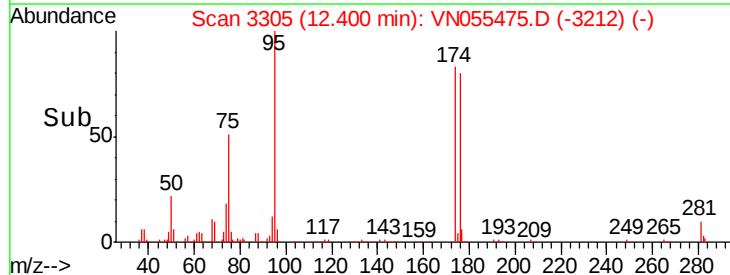
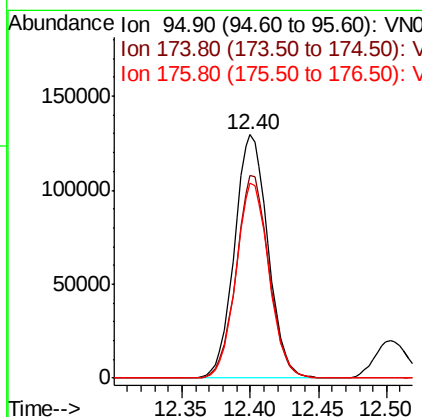
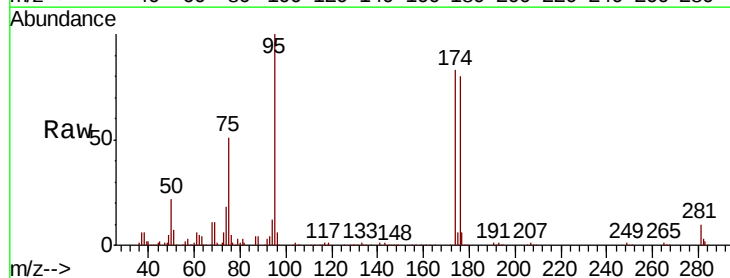
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

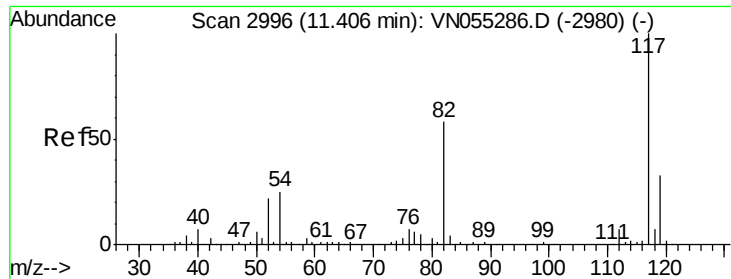
Tot Ion: 107 Resp: 169309
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 52.241 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Tgt Ion: 95 Resp: 220706
 Ion Ratio Lower Upper
 95 100
 174 81.2 0.0 166.6
 176 78.8 0.0 157.8

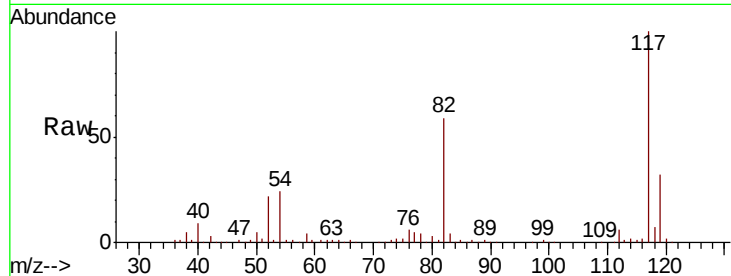




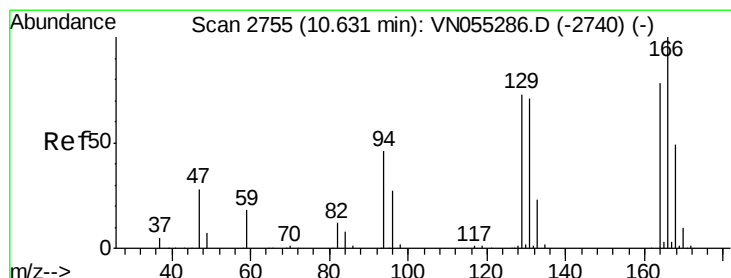
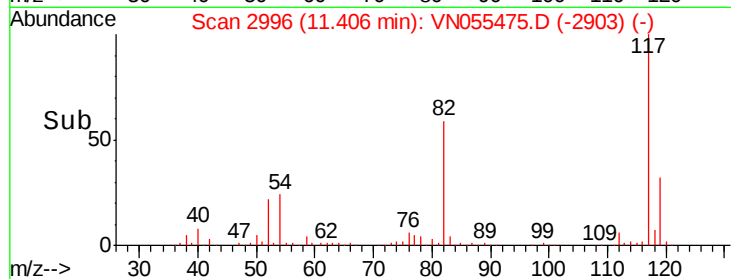
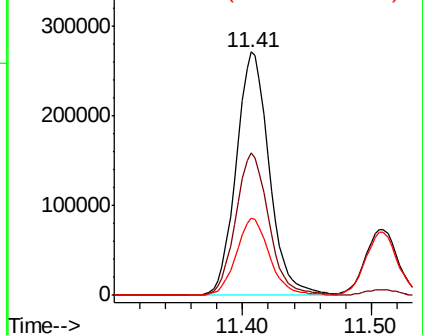
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 483808
Ion Ratio Lower Upper
117 100
82 58.6 46.2 69.4
119 31.8 26.6 40.0

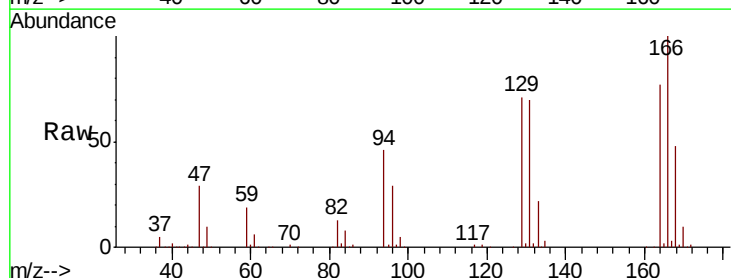


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

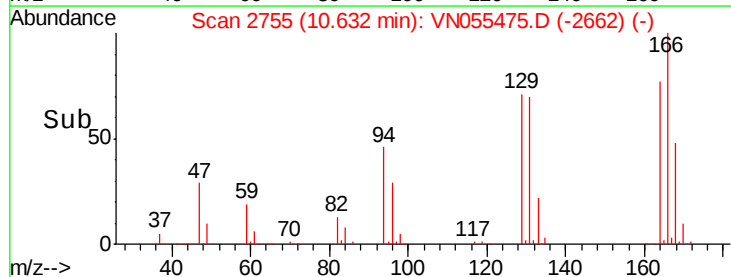
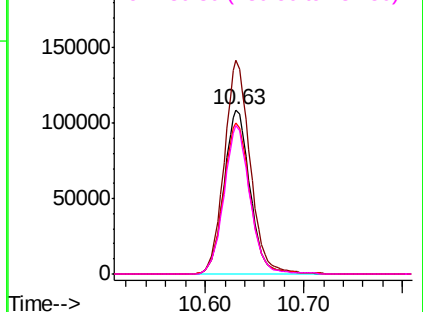


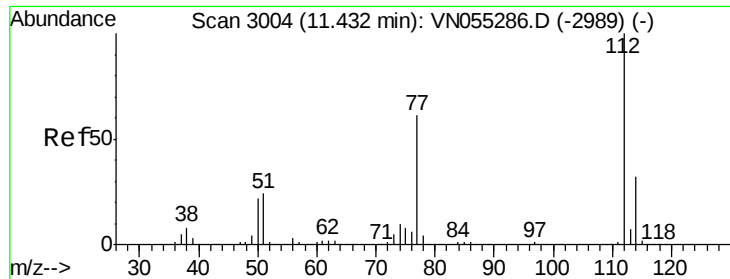
#64
Tetrachloroethene
Concen: 50.735 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion:164 Resp: 200730
Ion Ratio Lower Upper
164 100
166 129.9 102.3 153.5
129 91.8 75.0 112.6
131 90.3 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

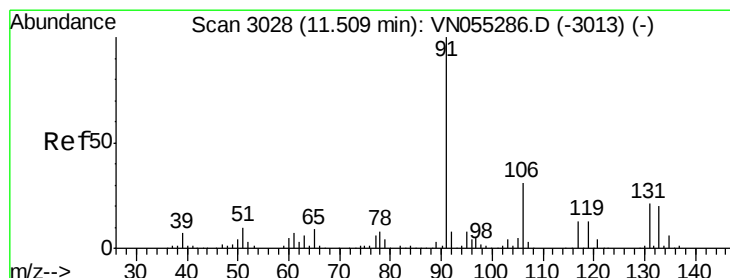
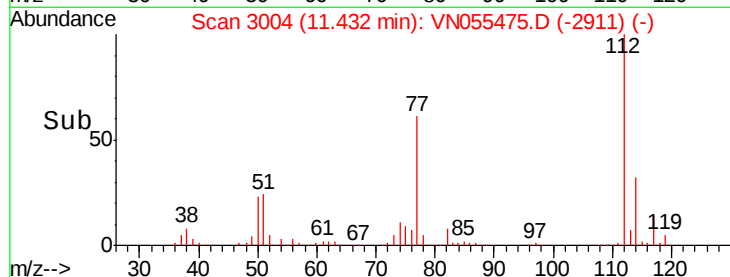
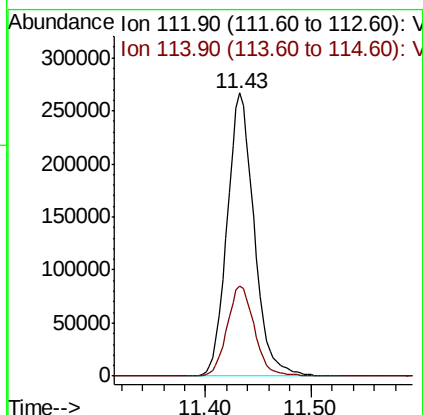
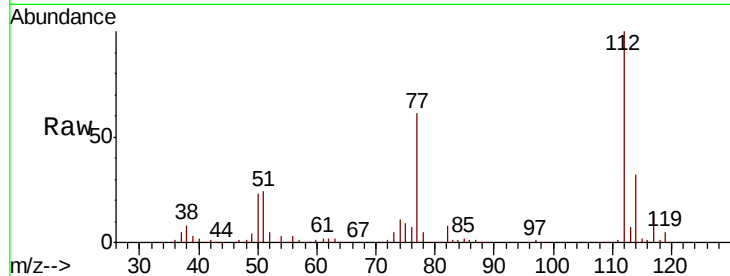




#65
Chlorobenzene
Concen: 49.938 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

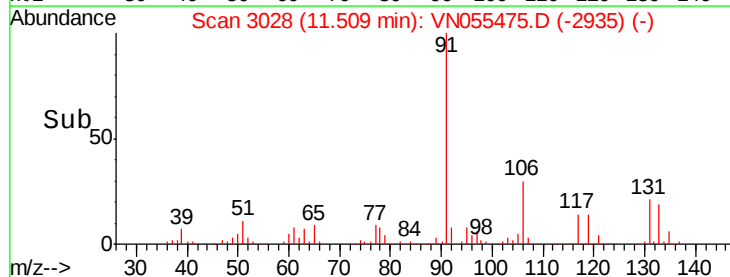
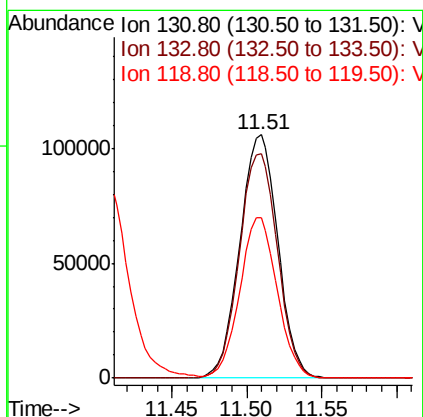
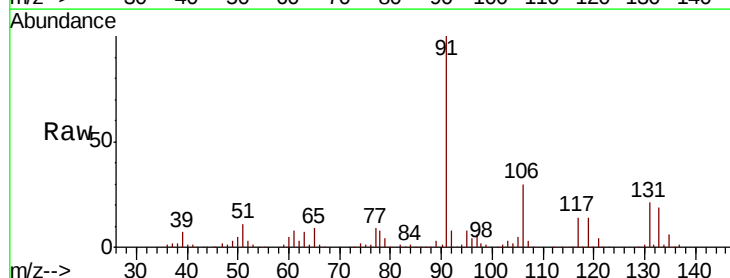
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

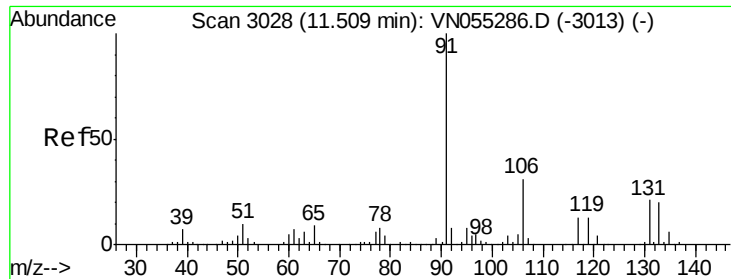
Tot Ion:112 Resp: 472366
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 50.531 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion:131 Resp: 187160
Ion Ratio Lower Upper
131 100
133 93.1 47.5 142.6
119 65.2 32.7 98.1

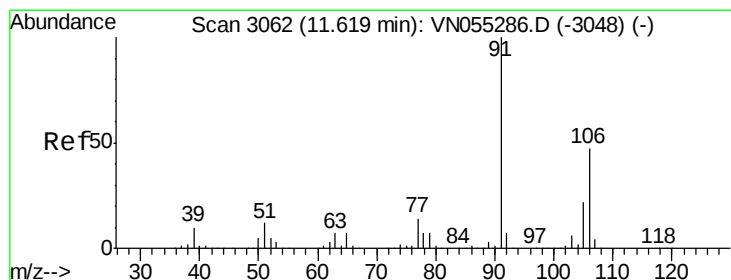
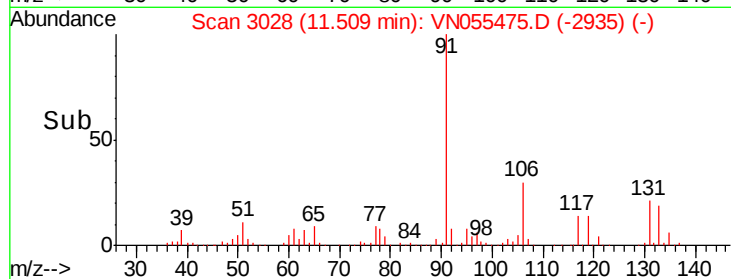
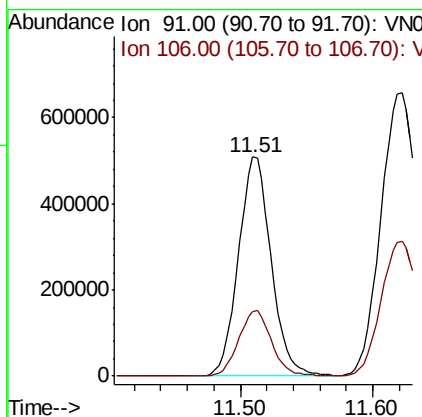
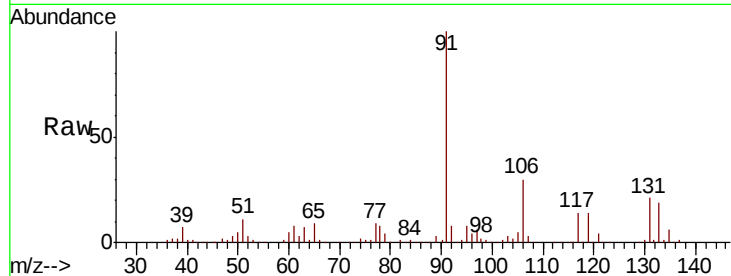




#67
Ethyl Benzene
Concen: 51.198 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

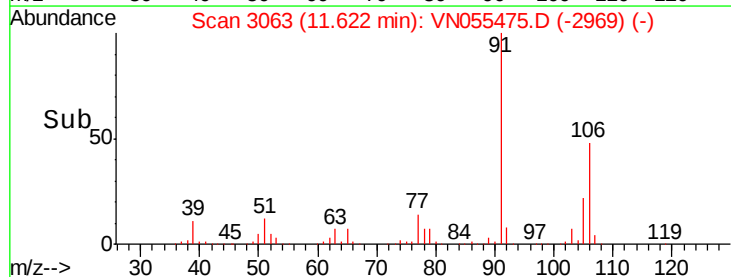
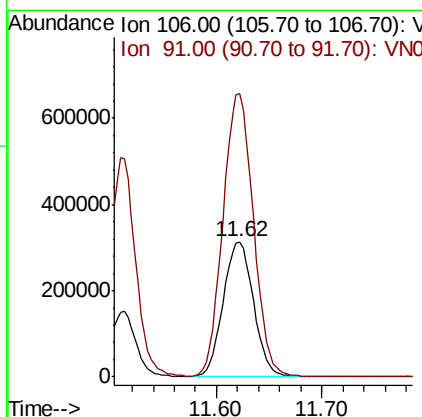
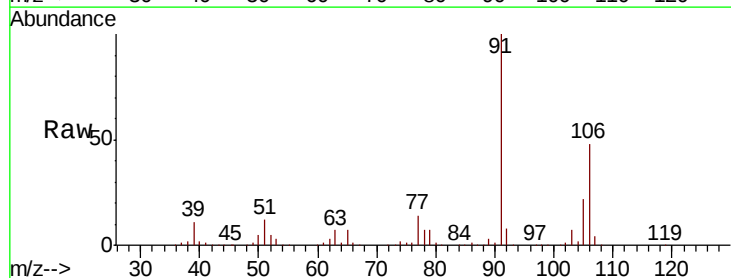
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

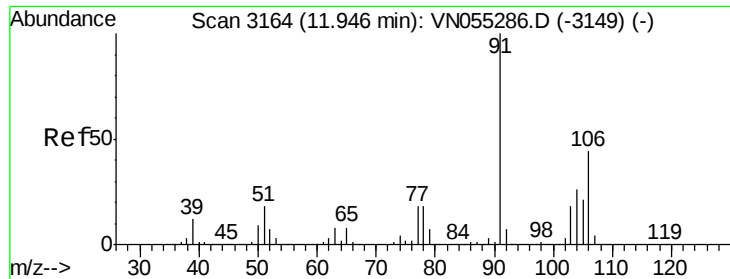
Tot Ion: 91 Resp: 874529
Ion Ratio Lower Upper
91 100
106 29.7 24.6 36.8



#68
m/p-Xylenes
Concen: 102.471 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion: 106 Resp: 624771
Ion Ratio Lower Upper
106 100
91 209.8 169.5 254.3

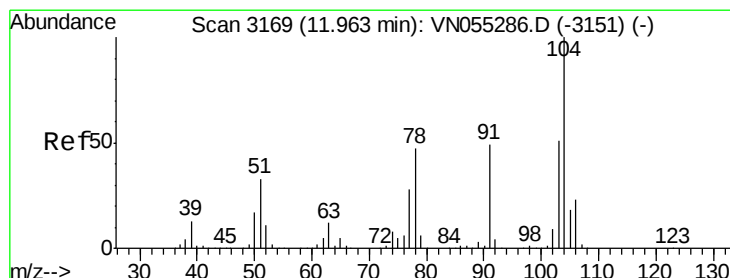
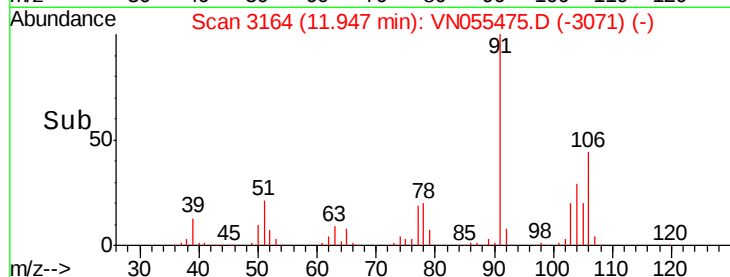
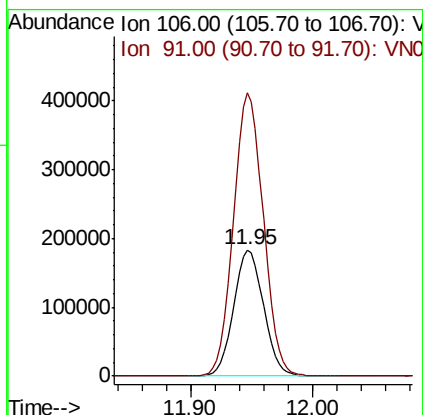
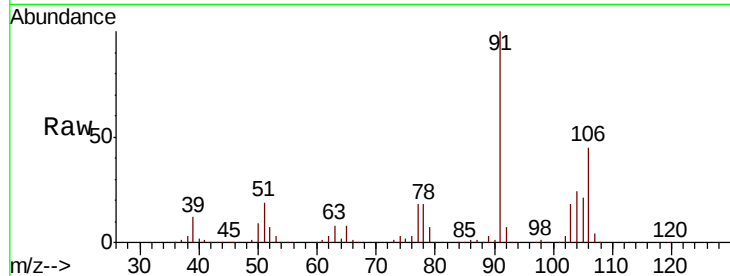




#69
o-Xylene
Concen: 51.670 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

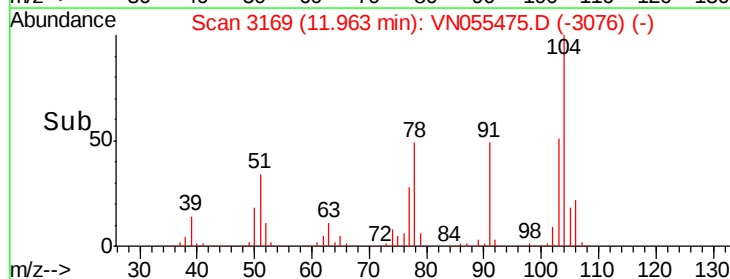
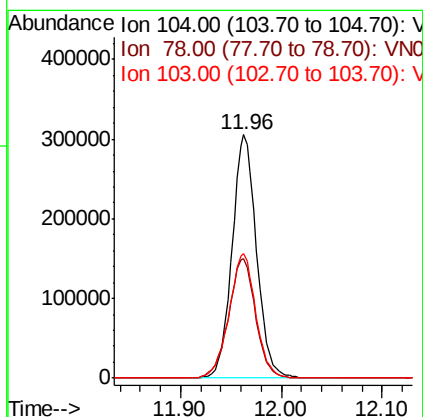
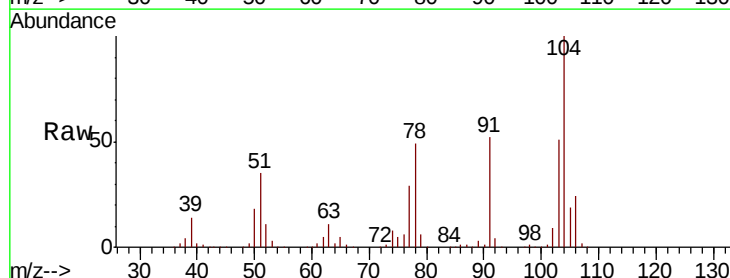
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

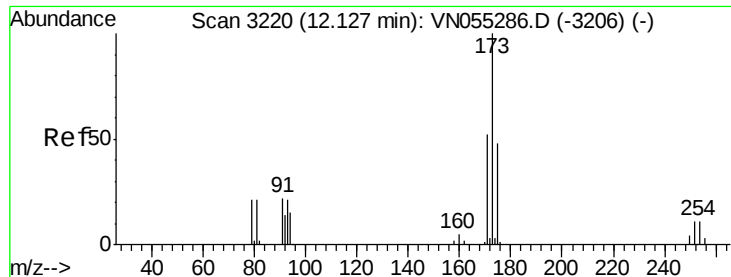
Tot Ion:106 Resp: 312249
Ion Ratio Lower Upper
106 100
91 224.0 111.5 334.5



#70
Styrene
Concen: 55.507 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion:104 Resp: 515038
Ion Ratio Lower Upper
104 100
78 54.3 42.2 63.2
103 55.9 44.6 67.0





#71

Bromoform

Concen: 55.641 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

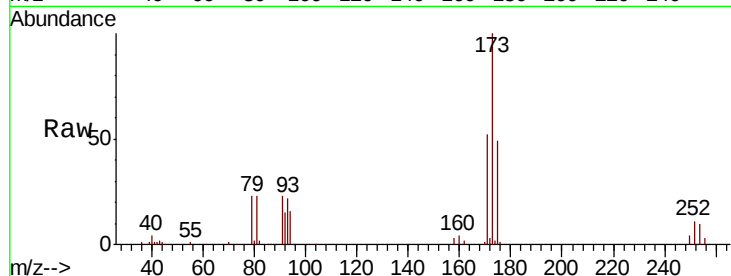
Tot Ion:173 Resp: 114355

Ion Ratio Lower Upper

173 100

175 48.6 23.6 71.0

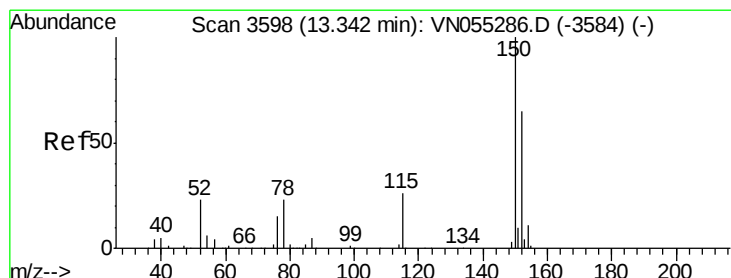
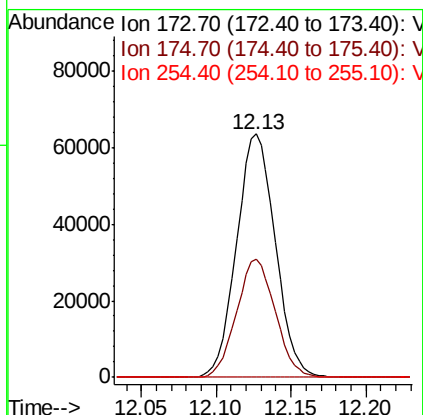
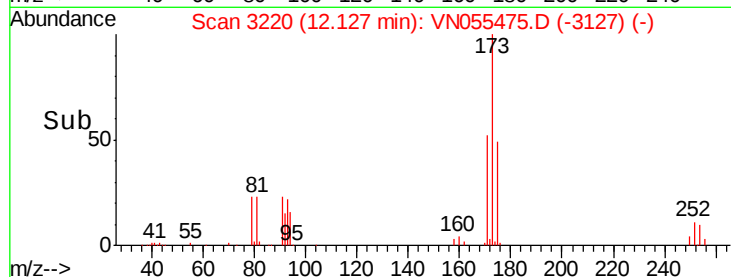
254 0.0 0.0 0.0



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: VN055475.D

Acq: 8 May 2019 7:51

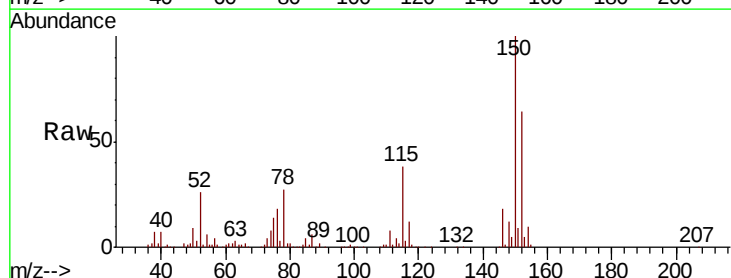
Tgt Ion:152 Resp: 204158

Ion Ratio Lower Upper

152 100

115 58.9 29.0 87.0

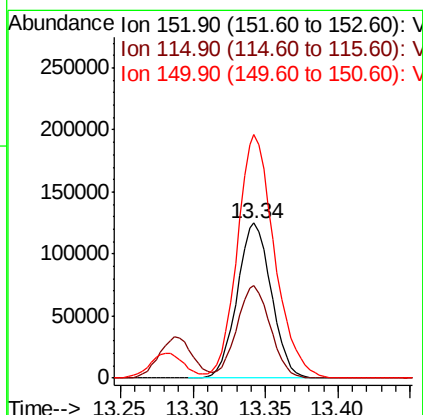
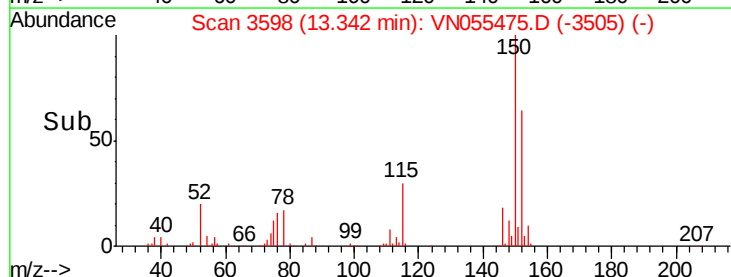
150 170.8 0.0 345.6

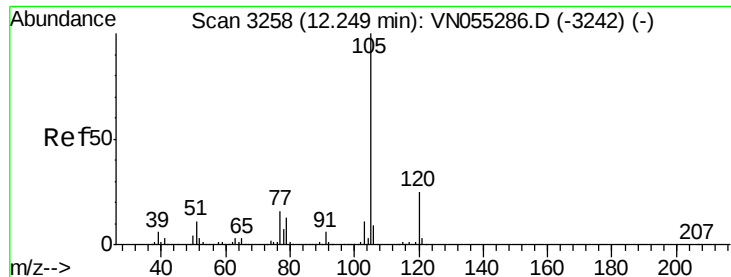


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.452 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

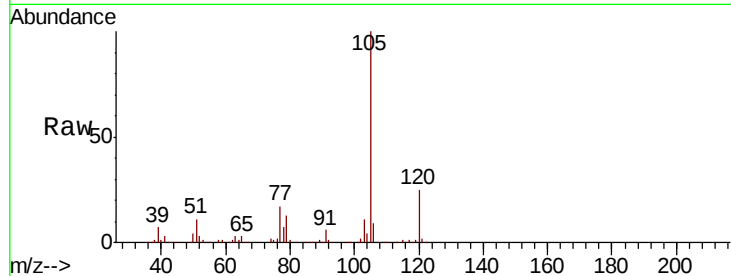
VSTDCCC050EC

Tot Ion:105 Resp: 849555

Ion Ratio Lower Upper

105 100

120 25.4 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

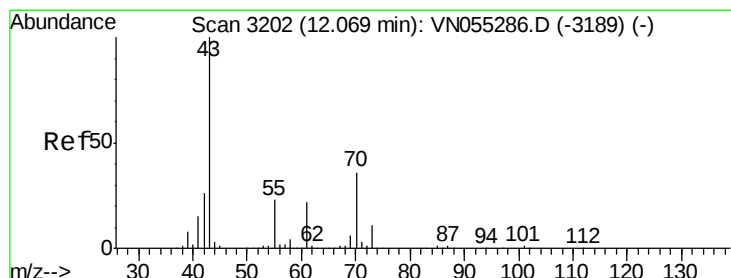
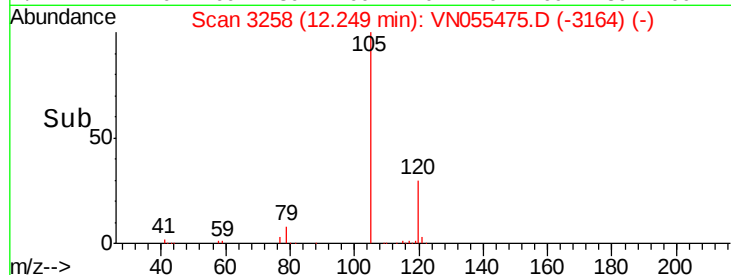
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 55.983 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Tgt Ion: 43 Resp: 293320

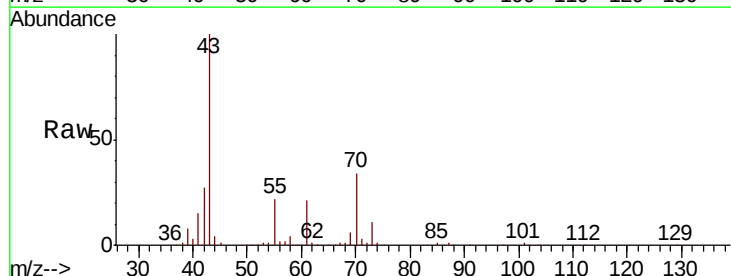
Ion Ratio Lower Upper

43 100

70 34.3 27.9 41.9

55 22.8 18.2 27.2

61 21.7 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

250000

200000

150000

100000

50000

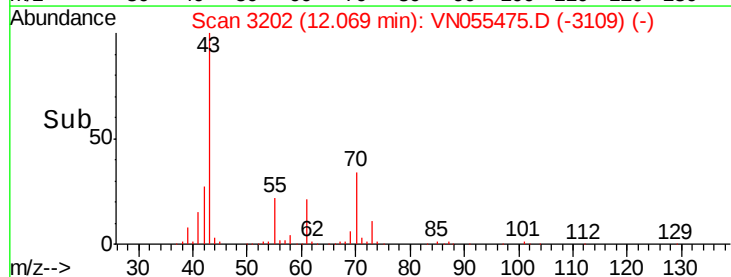
0

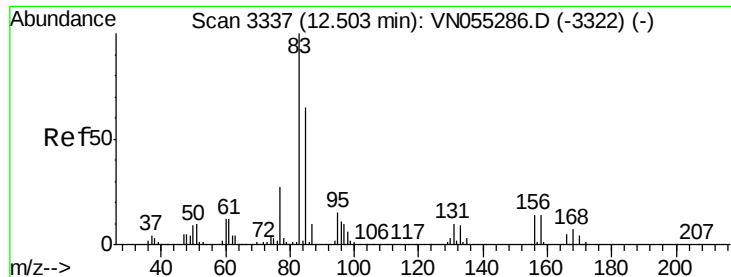
12.00

12.07

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.361 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

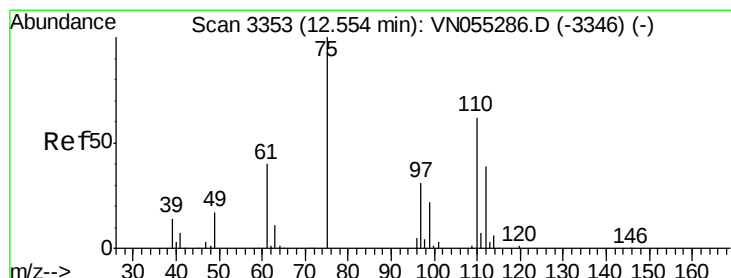
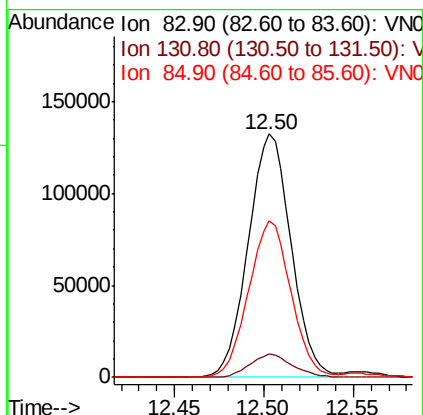
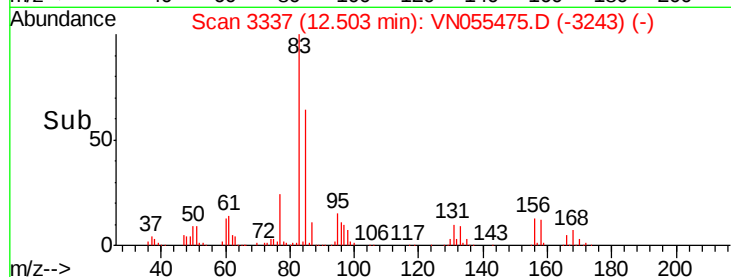
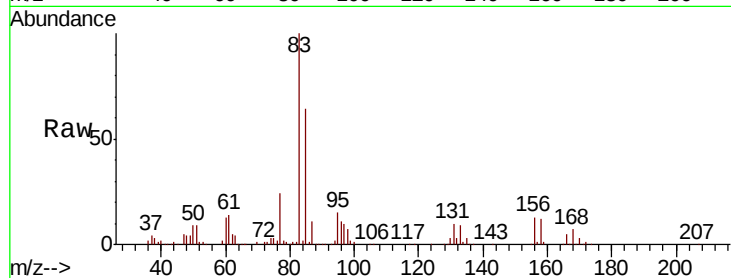
Tot Ion: 83 Resp: 222559

Ion Ratio Lower Upper

83 100

131 9.7 5.1 15.2

85 63.6 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 70.169 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055475.D

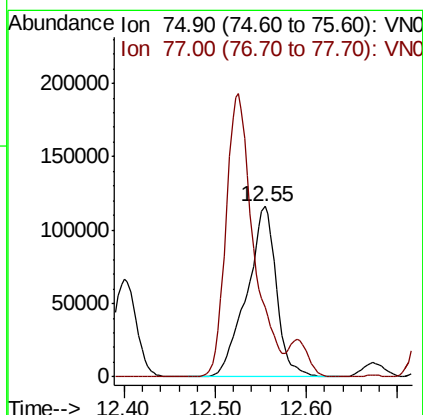
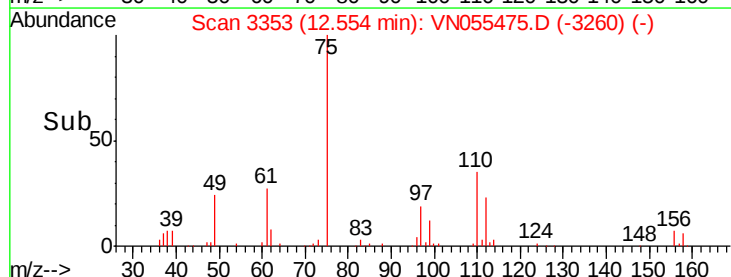
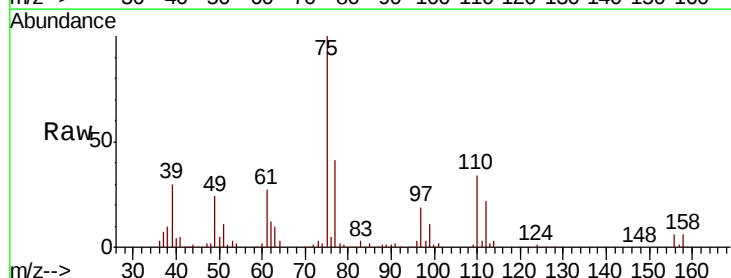
Acq: 8 May 2019 7:51

Tgt Ion: 75 Resp: 262423

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.726 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

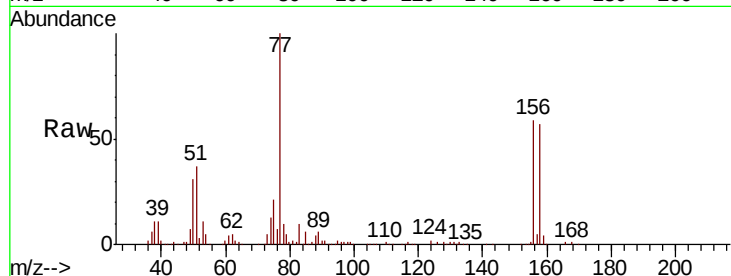
Tot Ion:156 Resp: 201152

Ion Ratio Lower Upper

156 100

77 203.1 99.6 298.8

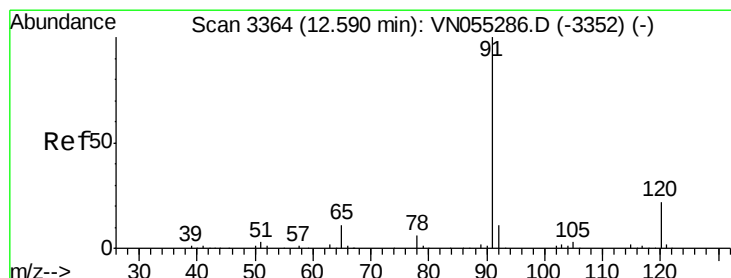
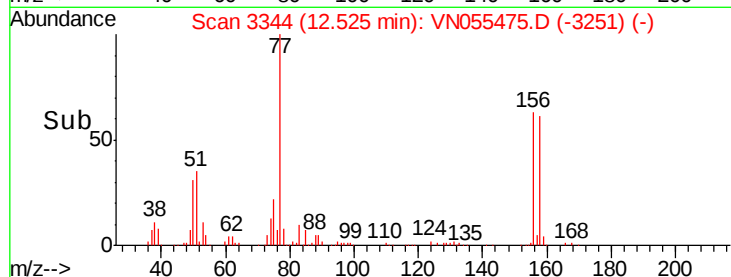
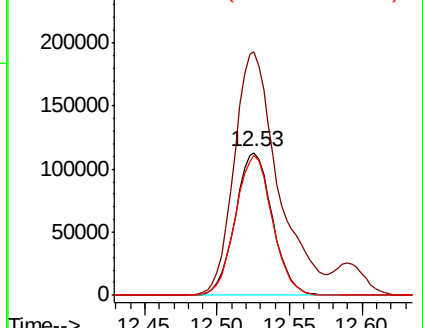
158 97.4 49.3 147.8



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: 45.177 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055475.D

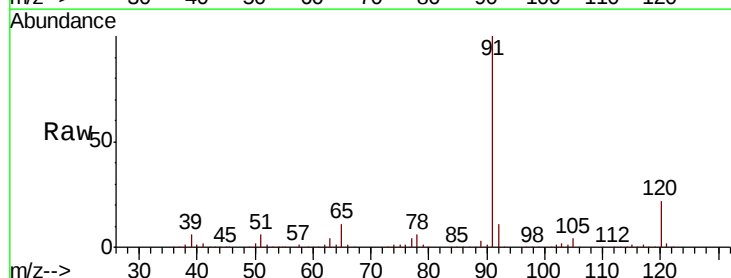
Acq: 8 May 2019 7:51

Tgt Ion: 91 Resp: 947427

Ion Ratio Lower Upper

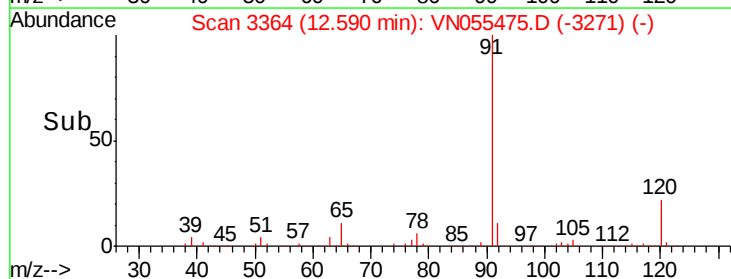
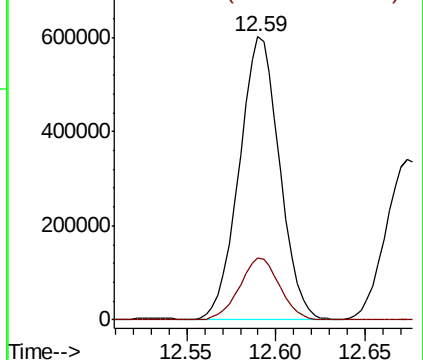
91 100

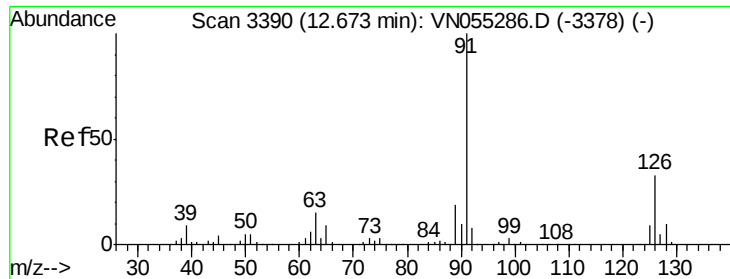
120 21.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

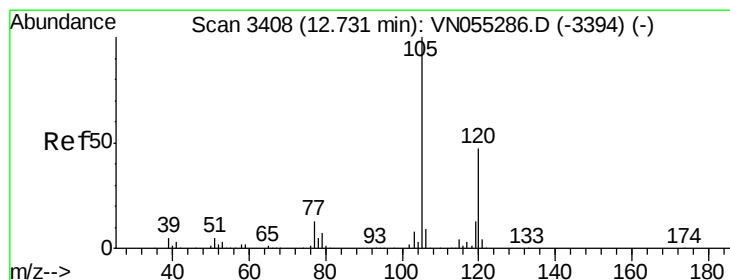
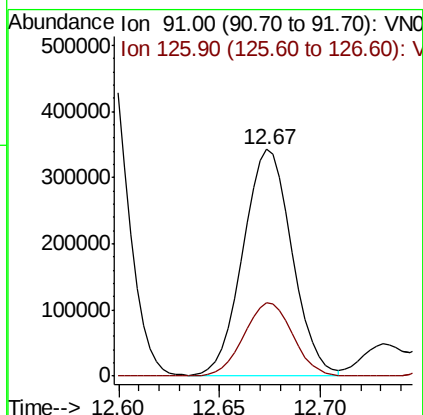
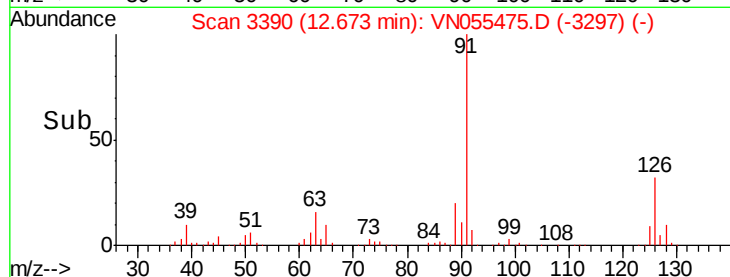
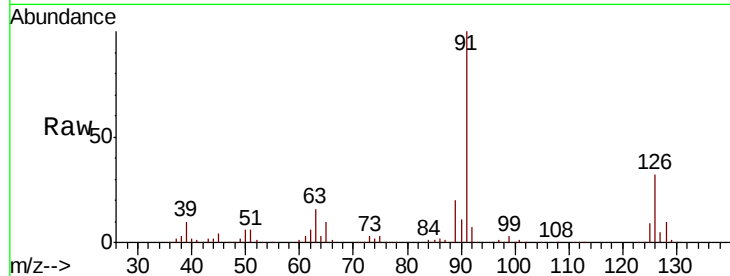




#79
 2-Chlorotoluene
 Concen: 52.571 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

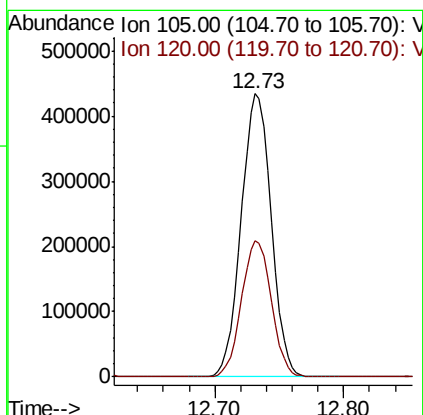
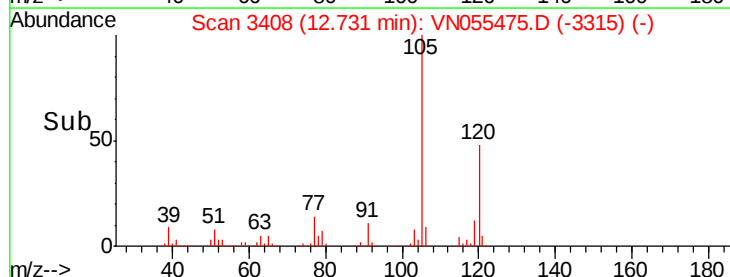
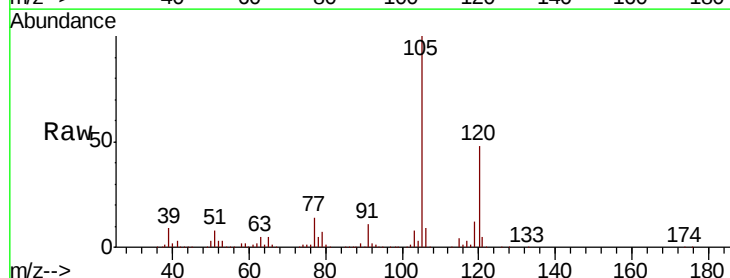
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

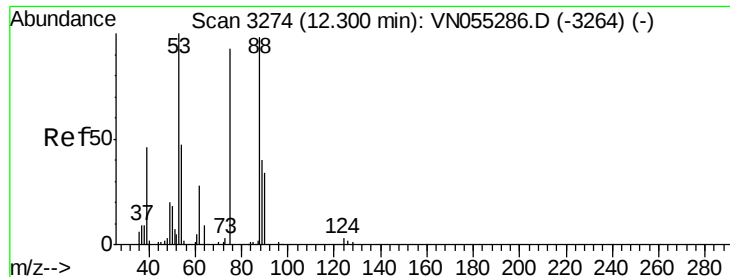
Tot Ion: 91 Resp: 580150
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.6 49.7



#80
 1,3,5-Trimethylbenzene
 Concen: 43.902 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Tgt Ion: 105 Resp: 702660
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 38.703 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

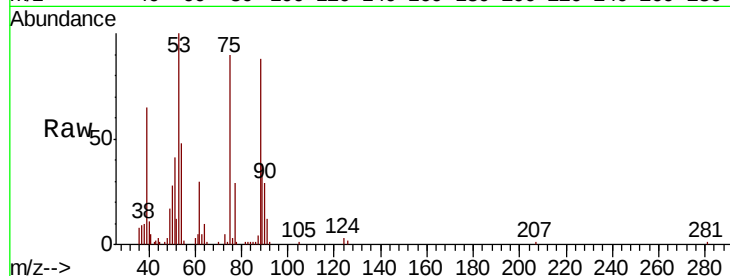
Tot Ion: 75 Resp: 41695

Ion Ratio Lower Upper

75 100

53 118.9 86.3 129.5

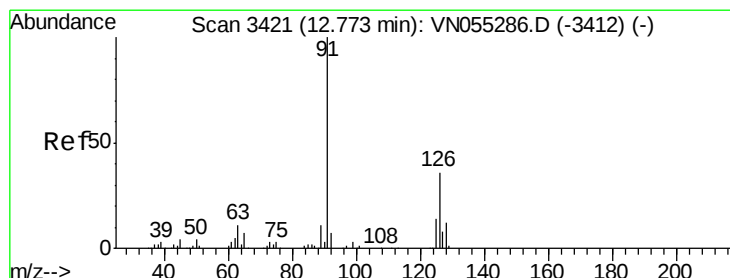
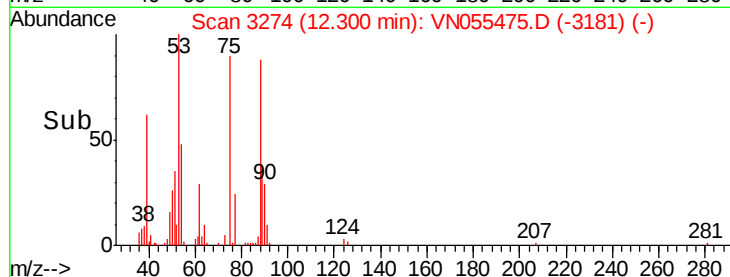
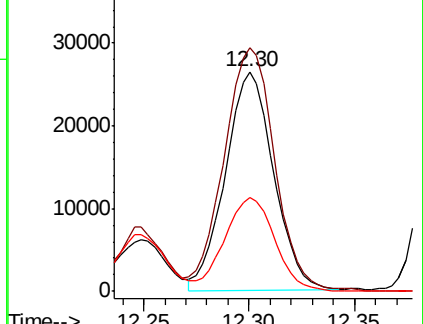
89 44.7 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VN055286.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055286.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055286.D (-3264) (-)



#82

4-Chlorotoluene

Concen: 45.961 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055475.D

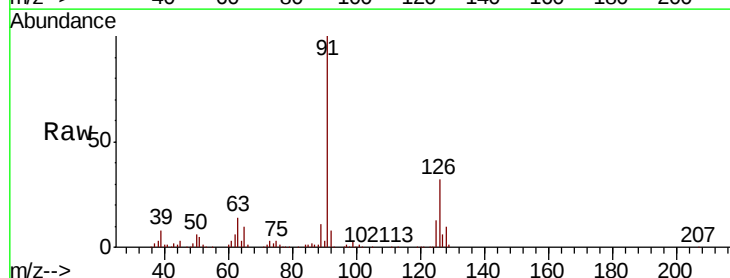
Acq: 8 May 2019 7:51

Tgt Ion: 91 Resp: 560418

Ion Ratio Lower Upper

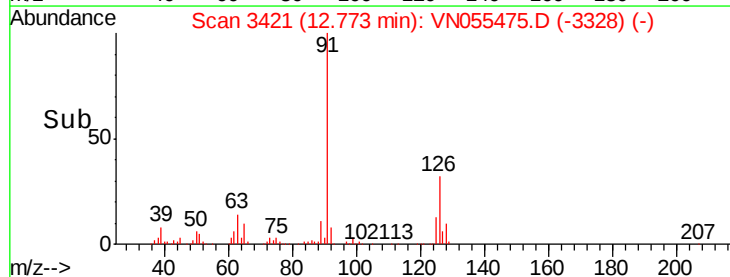
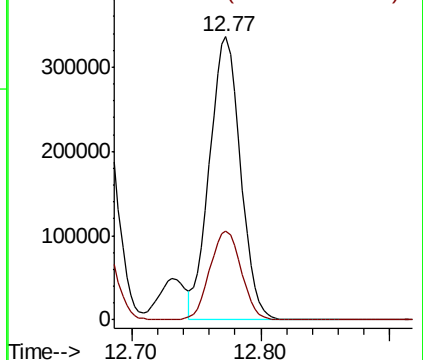
91 100

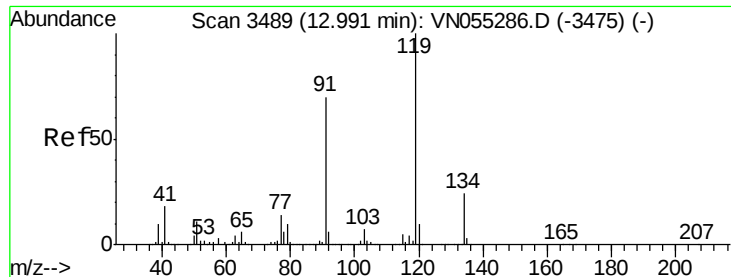
126 31.8 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN055286.D (-3412) (-)

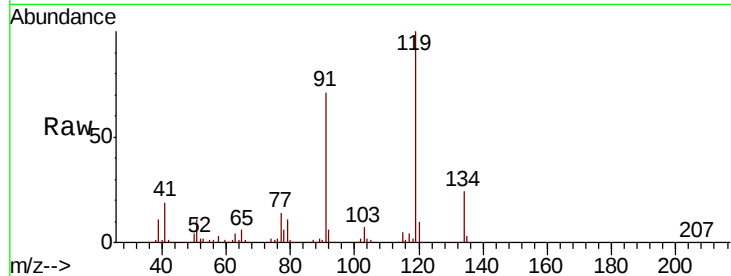




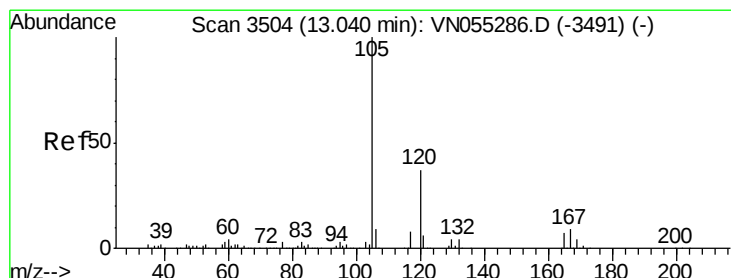
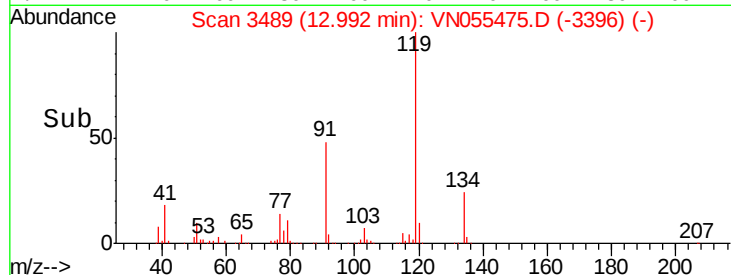
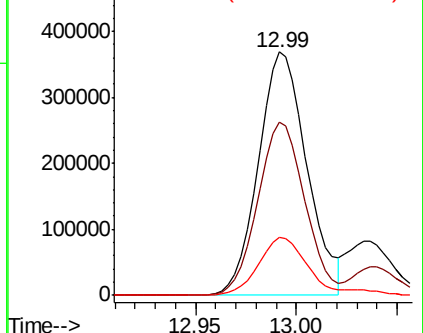
#83
tert-Butylbenzene
Concen: 54.864 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 618337
Ion Ratio Lower Upper
119 100
91 69.0 34.3 102.9
134 25.1 13.1 39.3

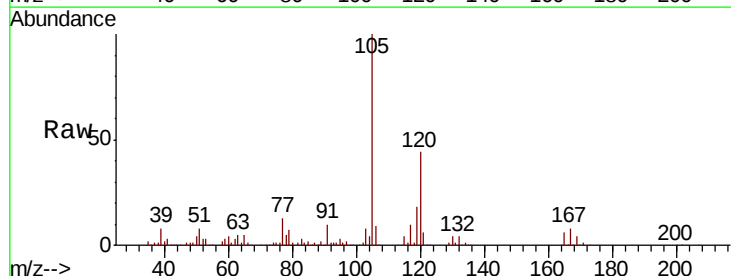


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

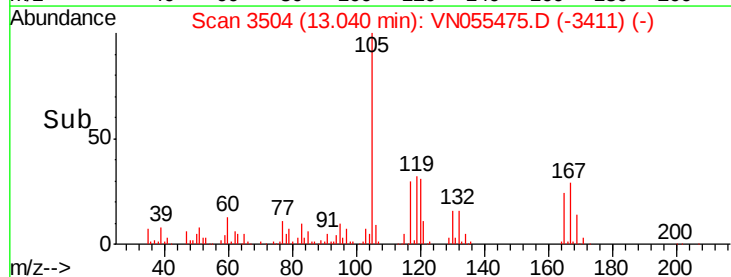
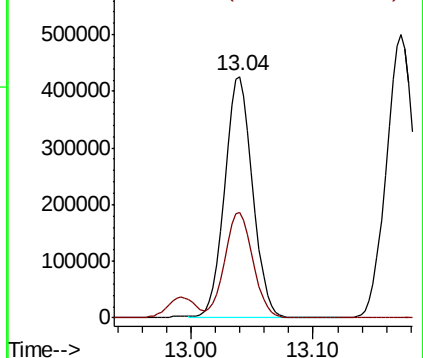


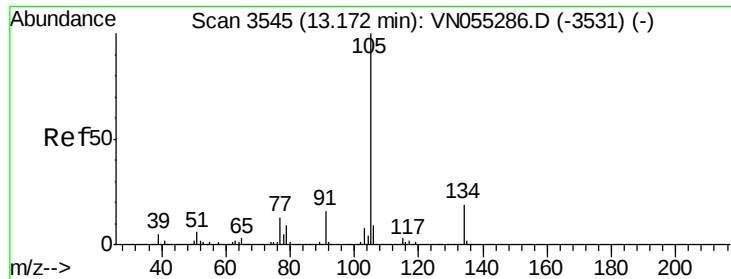
#84
1,2,4-Trimethylbenzene
Concen: 47.762 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion:105 Resp: 683686
Ion Ratio Lower Upper
105 100
120 44.1 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 46.459 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

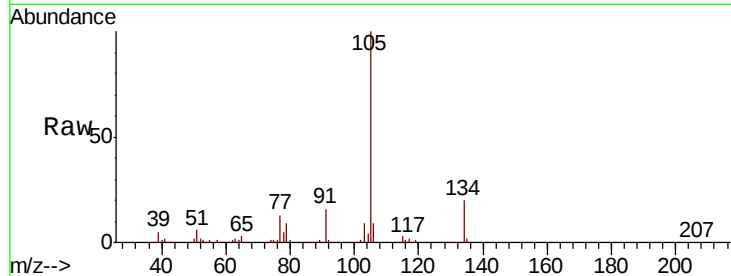
VSTDCCC050EC

Tot Ion:105 Resp: 808208

Ion Ratio Lower Upper

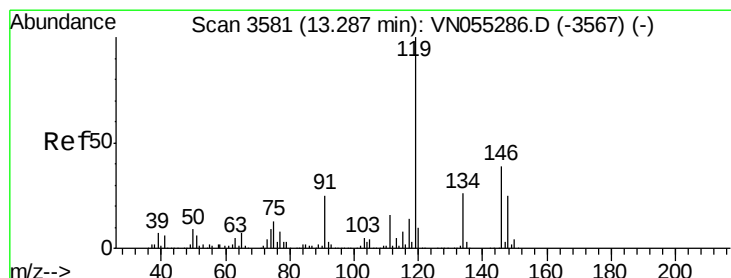
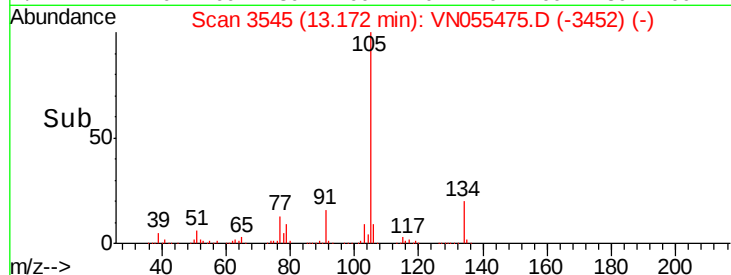
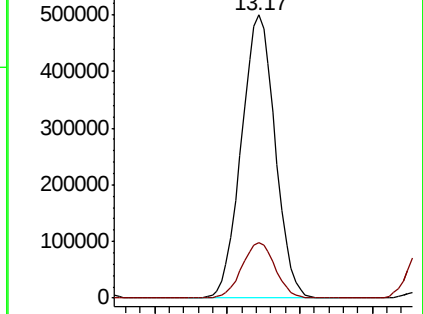
105 100

134 19.4 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.478 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

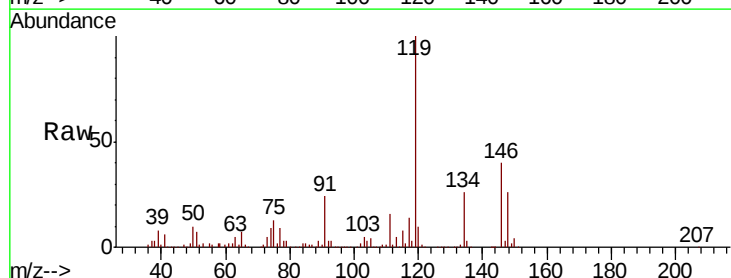
Tgt Ion:119 Resp: 693146

Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

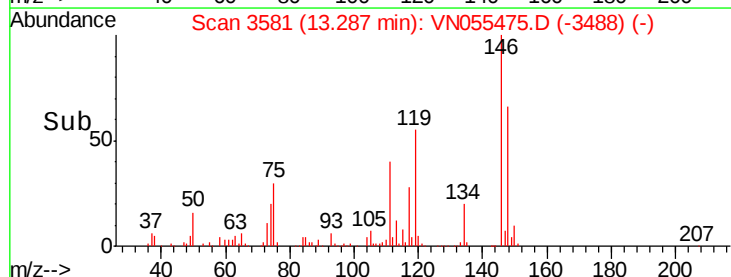
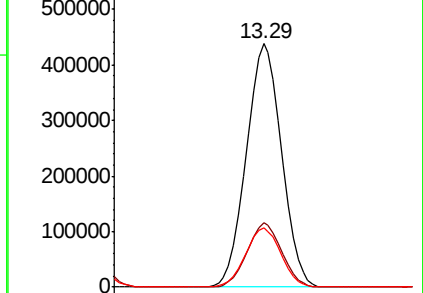
91 24.3 12.2 36.6

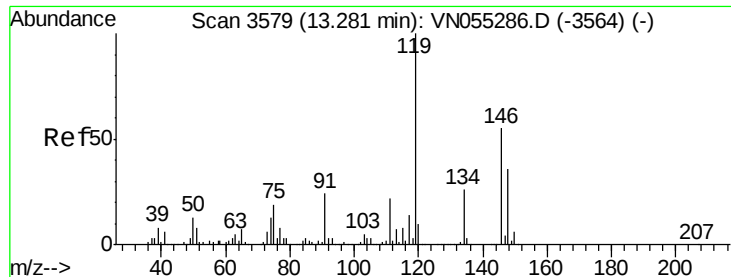


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.270 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

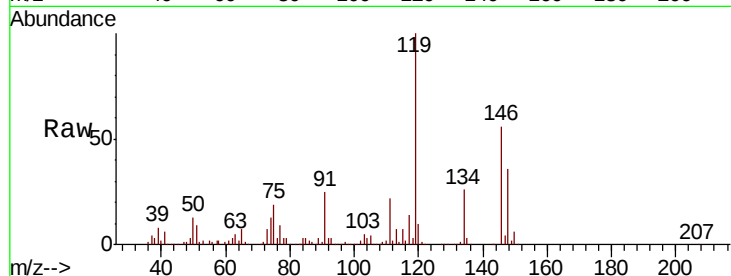
Tot Ion:146 Resp: 329762

Ion Ratio Lower Upper

146 100

111 40.6 20.3 60.8

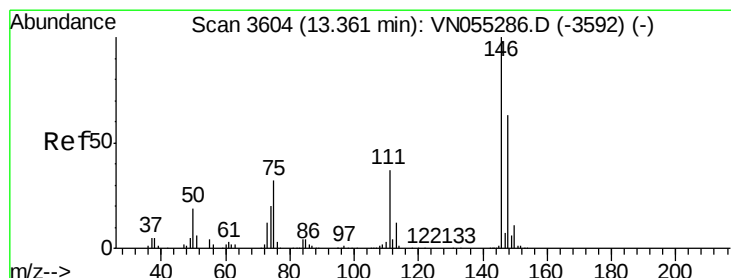
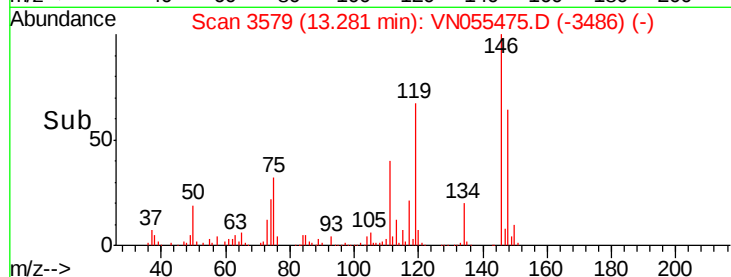
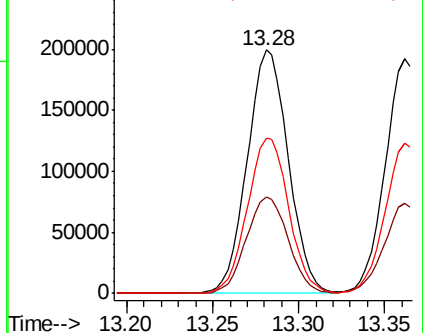
148 64.3 32.5 97.5



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



#88

1,4-Dichlorobenzene

Concen: 50.063 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

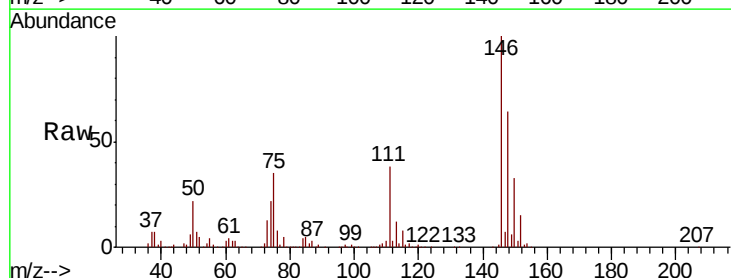
Tgt Ion:146 Resp: 322081

Ion Ratio Lower Upper

146 100

111 38.9 19.5 58.5

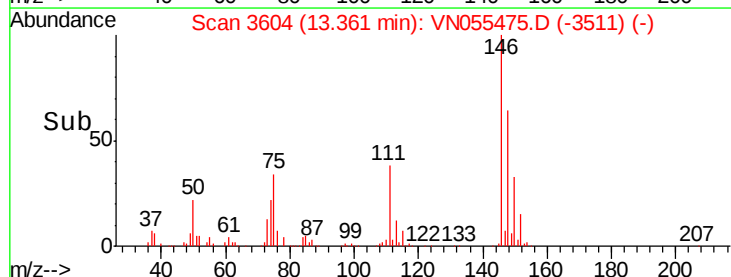
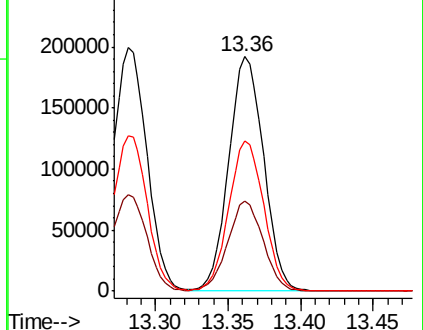
148 64.3 32.5 97.4

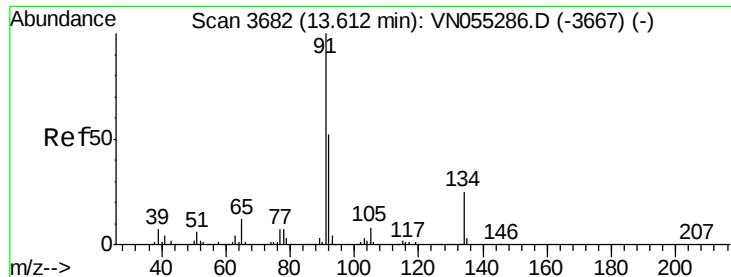


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 53.298 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

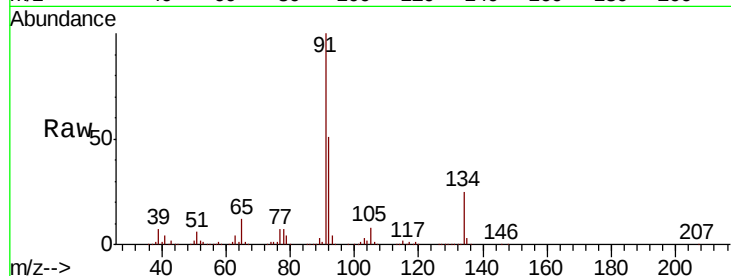
Tot Ion: 91 Resp: 541516

Ion Ratio Lower Upper

91 100

92 51.0 26.1 78.3

134 24.6 12.4 37.4

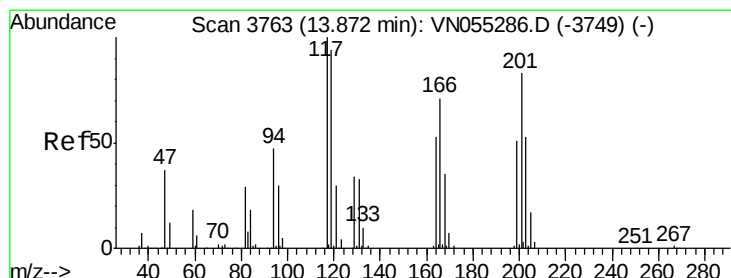
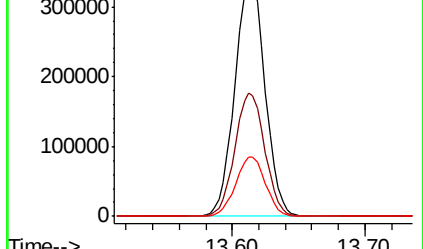
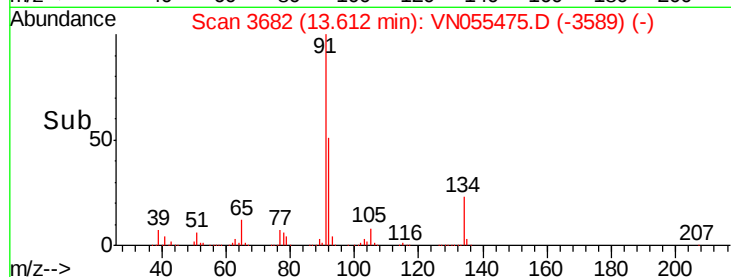


Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3667) (-)

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

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

Time-->



#90

Hexachloroethane

Concen: 50.669 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055475.D

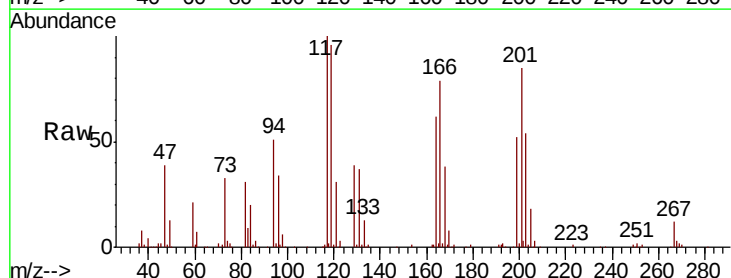
Acq: 8 May 2019 7:51

Tgt Ion: 117 Resp: 114663

Ion Ratio Lower Upper

117 100

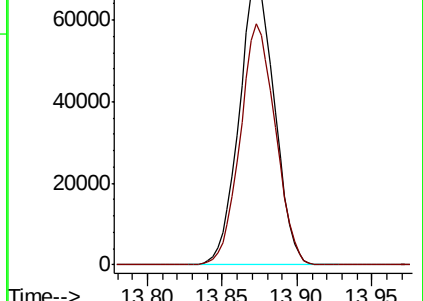
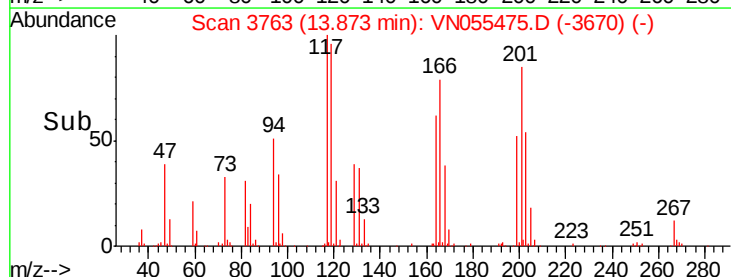
201 84.4 41.9 125.8

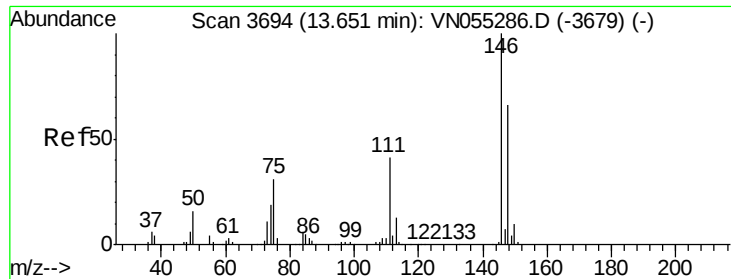


Abundance Ion 116.80 (116.50 to 117.50): VN055286.D (-3749) (-)

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

Time-->

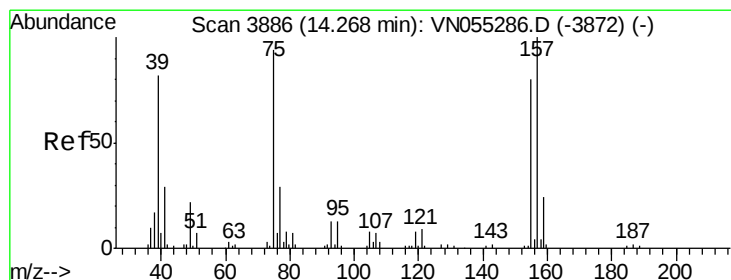
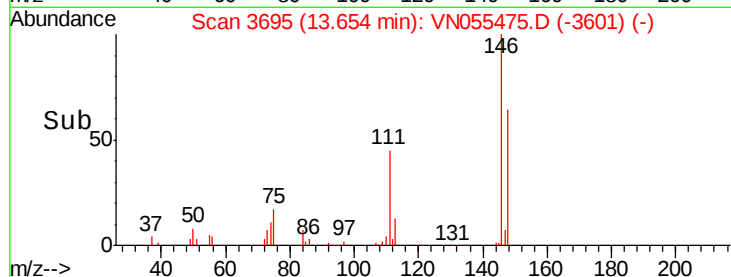
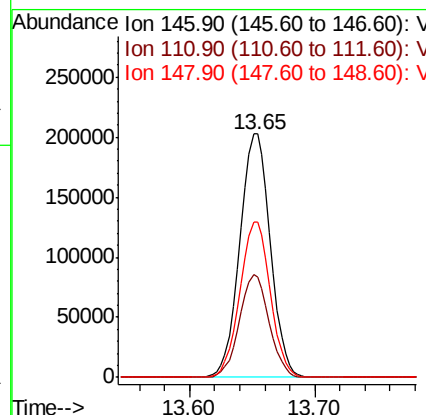
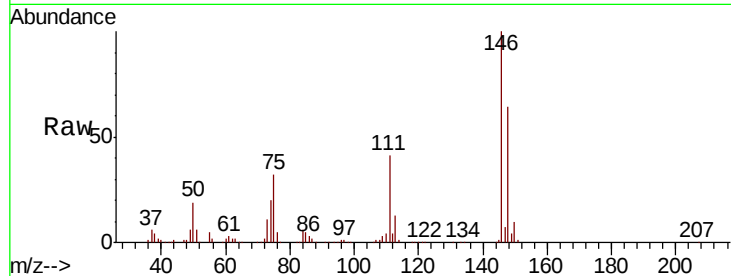




#91
 1,2-Dichlorobenzene
 Concen: 50.598 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

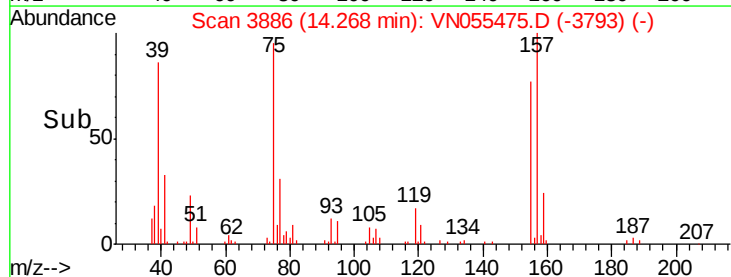
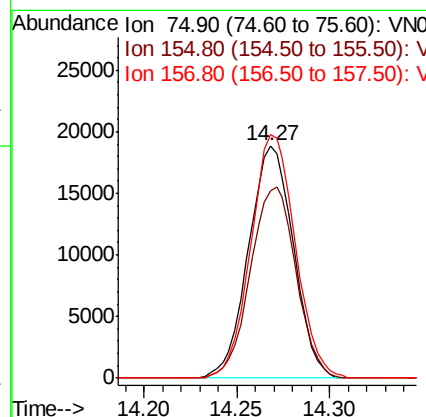
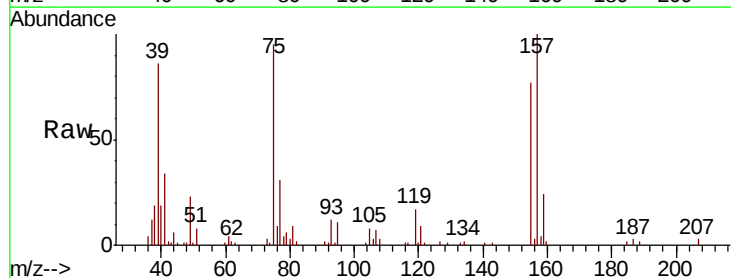
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 342604
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.3 61.0
 148 63.5 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.046 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Tgt Ion: 75 Resp: 31714
 Ion Ratio Lower Upper
 75 100
 155 83.5 41.5 124.6
 157 103.9 54.0 162.2

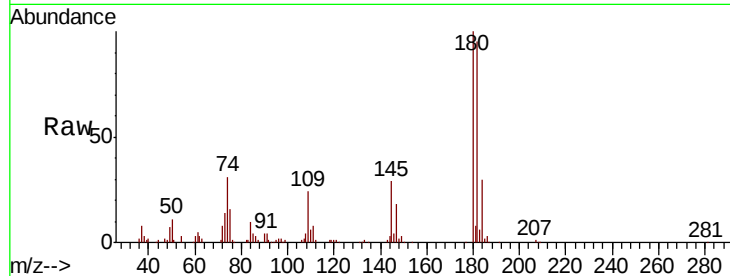




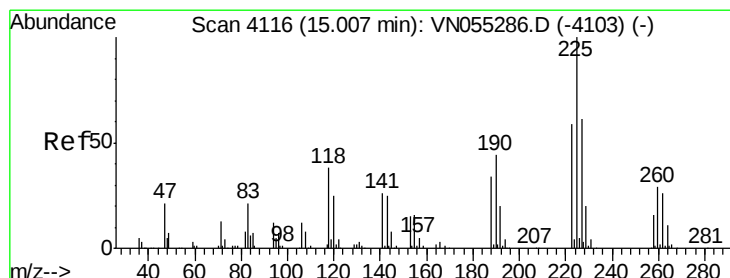
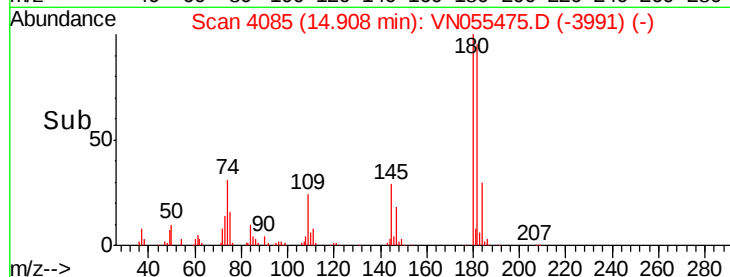
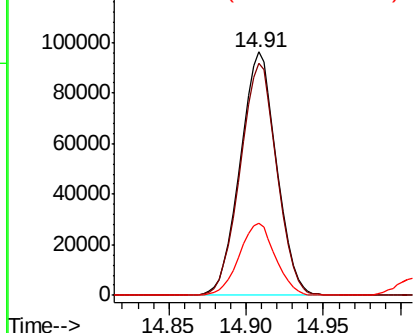
#93
 1,2,4-Trichlorobenzene
 Concen: 58.387 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 157444
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.3 144.9
 145 29.3 14.2 42.6

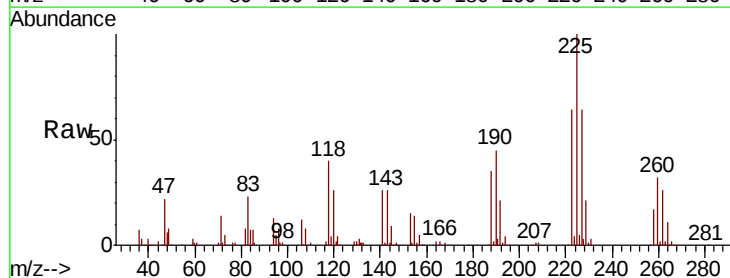


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

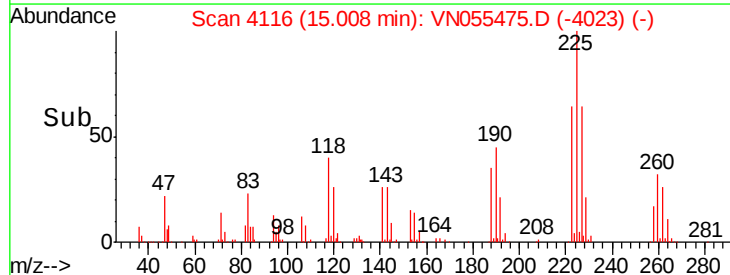
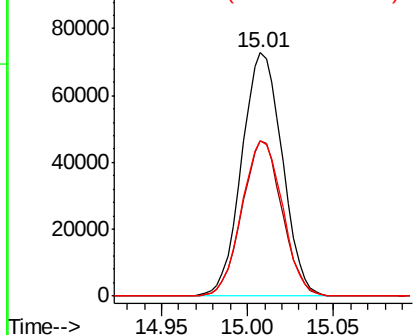


#94
 Hexachlorobutadiene
 Concen: 59.064 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Tgt Ion:225 Resp: 119306
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.3 90.8
 227 64.3 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: 55.236 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

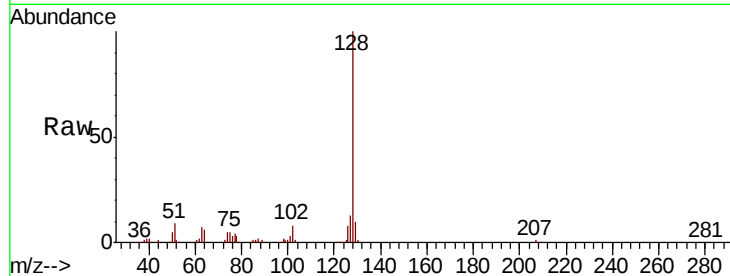
Tot Ion:128 Resp: 315571

Ion Ratio Lower Upper

128 100

127 12.9 10.7 16.1

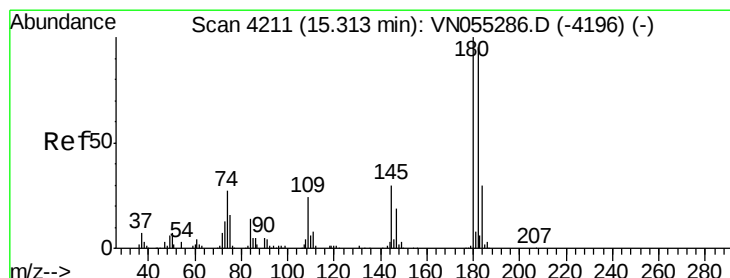
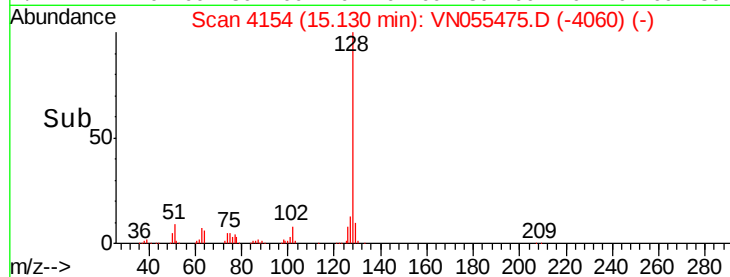
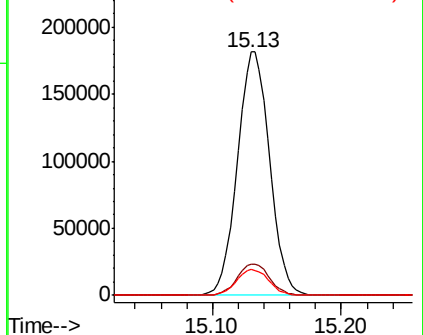
129 10.6 8.6 13.0



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: 63.138 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

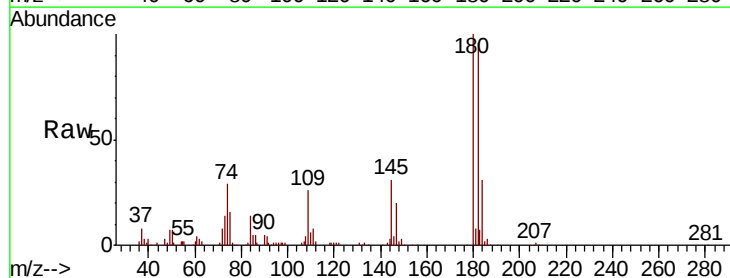
Tgt Ion:180 Resp: 167883

Ion Ratio Lower Upper

180 100

182 95.4 48.3 144.9

145 30.5 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

