

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081119\
 Data File : VN057180.D
 Acq On : 11 Aug 2019 12:13
 Operator : JC/SP
 Sample : VN0811WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 12 05:53:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1134538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1648087	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1443561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	506597	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	569971	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
35) Dibromofluoromethane	6.99	113	524948	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	9.56	98	1961225	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	11.92	95	618707	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.82	85	162057	17.772	ug/l	99
3) Chloromethane	2.00	50	201792	16.655	ug/l	96
4) Vinyl Chloride	2.11	62	200463	17.800	ug/l	97
5) Bromomethane	2.43	94	149215	19.500	ug/l	95
6) Chloroethane	2.55	64	137804	19.077	ug/l	98
7) Trichlorofluoromethane	2.82	101	311720	19.257	ug/l	98
8) Diethyl Ether	3.14	74	118028	18.872	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.44	101	190764	19.440	ug/l	100
10) Methyl Iodide	3.63	142	290631	19.599	ug/l	99
11) Tert butyl alcohol	4.24	59	162583	97.918	ug/l	98
12) 1,1-Dichloroethene	3.43	96	183858	19.045	ug/l	97
13) Acrolein	3.31	56	74098	70.543	ug/l	98
14) Allyl chloride	3.91	41	287359	20.482	ug/l	95
15) Acrylonitrile	4.45	53	446733	99.412	ug/l	99
16) Acetone	3.48	43	362431	102.855	ug/l	99
17) Carbon Disulfide	3.72	76	471581	18.362	ug/l	99
18) Methyl Acetate	3.89	43	208585	19.466	ug/l	100
19) Methyl tert-butyl Ether	4.49	73	583018	20.004	ug/l	100
20) Methylene Chloride	4.10	84	220814	18.988	ug/l	95
21) trans-1,2-Dichloroethene	4.51	96	199250	18.947	ug/l	98
22) Diisopropyl ether	5.32	45	607463	19.851	ug/l	98
23) Vinyl Acetate	5.26	43	2340847	99.893	ug/l	100
24) 1,1-Dichloroethane	5.25	63	364454	19.374	ug/l	99
25) 2-Butanone	6.20	43	544540	101.146	ug/l	99
26) 2,2-Dichloropropane	6.21	77	290058	21.193	ug/l	100
27) cis-1,2-Dichloroethene	6.21	96	238828	19.824	ug/l	98
28) Bromochloromethane	6.58	49	173336	20.032	ug/l	100
29) Tetrahydrofuran	6.60	42	348374	96.058	ug/l	98
30) Chloroform	6.76	83	372534	19.133	ug/l	98
31) Cyclohexane	7.06	56	313474	18.522	ug/l	98
32) 1,1,1-Trichloroethane	6.98	97	323379	19.799	ug/l	98
36) 1,1-Dichloropropene	7.20	75	276537	20.379	ug/l	98
37) Ethyl Acetate	6.28	43	225340	20.137	ug/l #	98
38) Carbon Tetrachloride	7.18	117	282053	19.945	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	323611	19.611	ug/l	95
40) Benzene	7.46	78	855044	19.904	ug/l	99
41) Methacrylonitrile	6.55	41	121421	21.369	ug/l	96
42) 1,2-Dichloroethane	7.54	62	276959	20.216	ug/l	99
43) Isopropyl Acetate	7.56	43	375170	19.654	ug/l	99
44) Trichloroethene	8.27	130	243904	20.266	ug/l	99
45) 1,2-Dichloropropane	8.56	63	220775	19.849	ug/l	99
46) Dibromomethane	8.65	93	146397	20.527	ug/l	99
47) Bromodichloromethane	8.85	83	285980	20.724	ug/l	97
48) Methyl methacrylate	8.63	41	175015	19.443	ug/l	96
49) 1,4-Dioxane	8.64	88	72013	392.808	ug/l	96
51) 4-Methyl-2-Pentanone	9.45	43	1110729	99.978	ug/l	100
52) Toluene	9.63	92	539211	20.222	ug/l	99
53) t-1,3-Dichloropropene	9.86	75	305039	21.159	ug/l	98
54) cis-1,3-Dichloropropene	9.30	75	339938	20.550	ug/l	98
55) 1,1,2-Trichloroethane	10.04	97	210570	20.082	ug/l	98
56) Ethyl methacrylate	9.90	69	295681	20.140	ug/l	98
57) 1,3-Dichloropropane	10.19	76	346112	20.016	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.15	63	332093	66.867	ug/l	100
59) 2-Hexanone	10.24	43	766594	101.955	ug/l	99
60) Dibromochloromethane	10.39	129	233876	21.238	ug/l	99
61) 1,2-Dibromoethane	10.50	107	219592	20.295	ug/l	99
64) Tetrachloroethene	10.11	164	246251	20.512	ug/l	96
65) Chlorobenzene	10.93	112	578288	19.910	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.01	131	223669	20.598	ug/l	99
67) Ethyl Benzene	11.01	91	1005257	20.109	ug/l	99
68) m/p-Xylenes	11.13	106	744990	40.452	ug/l	99
69) o-Xylene	11.46	106	369475	20.158	ug/l	98
70) Styrene	11.47	104	573157	20.020	ug/l	100
71) Bromoform	11.64	173	166178	20.891	ug/l #	99
73) Isopropylbenzene	11.77	105	978664	22.254	ug/l	99
74) N-amyl acetate	11.59	43	267371	20.827	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	278656	22.940	ug/l	100
76) 1,2,3-Trichloropropane	12.08	75	327214	32.027	ug/l #	100
77) Bromobenzene	12.04	156	250955	20.610	ug/l	99
78) n-propylbenzene	12.11	91	981528	20.196	ug/l	100
79) 2-Chlorotoluene	12.20	91	630559	22.206	ug/l	98
80) 1,3,5-Trimethylbenzene	12.26	105	811698	20.754	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.82	75	74709	21.684	ug/l	99
82) 4-Chlorotoluene	12.30	91	561472	19.952	ug/l	100
83) tert-Butylbenzene	12.52	119	733571	22.651	ug/l	99
84) 1,2,4-Trimethylbenzene	12.57	105	765625	20.253	ug/l	100
85) sec-Butylbenzene	12.70	105	871448	19.744	ug/l	99
86) p-Isopropyltoluene	12.82	119	752584	19.432	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	354255	20.435	ug/l	98
88) 1,4-Dichlorobenzene	12.90	146	322400	19.629	ug/l	98
89) n-Butylbenzene	13.15	91	550439	20.571	ug/l	99
90) Hexachloroethane	13.41	117	145235	23.073	ug/l	99
91) 1,2-Dichlorobenzene	13.19	146	344210	19.884	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	31724	17.814	ug/l	99

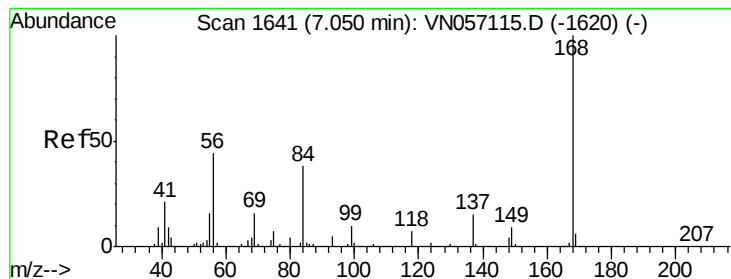
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	91260	16.886	ug/l	98
94) Hexachlorobutadiene	14.55	225	152579	23.239	ug/l	98
95) Naphthalene	14.67	128	173321	15.452	ug/l	98
96) 1,2,3-Trichlorobenzene	14.84	180	84995	15.634	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

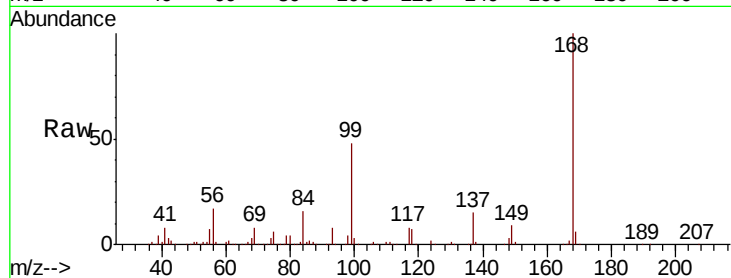
VSTDCCC050

Tgt Ion:168 Resp: 1134538

Ion Ratio Lower Upper

168 100

99 47.9 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): VN057115.D (-1620) (-)

Ion 98.90 (98.60 to 99.60): VN057115.D (-1620) (-)

7.05

400000

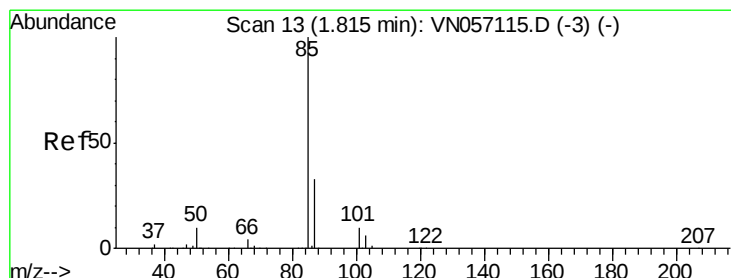
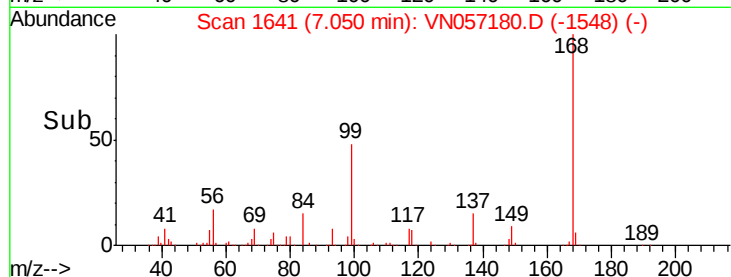
300000

200000

100000

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Time-->



#2

Dichlorodifluoromethane

Concen: 17.772 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057180.D

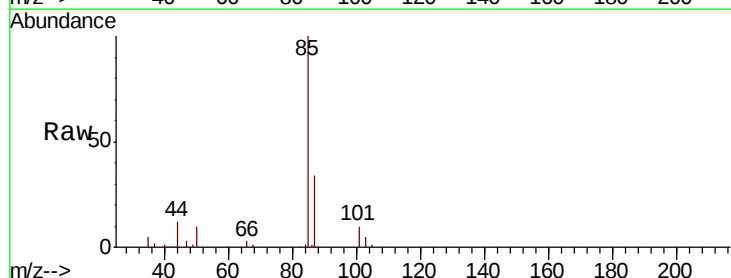
Acq: 11 Aug 2019 12:13

Tgt Ion: 85 Resp: 162057

Ion Ratio Lower Upper

85 100

87 33.6 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VN057115.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VN057115.D (-3) (-)

1.82

120000

100000

80000

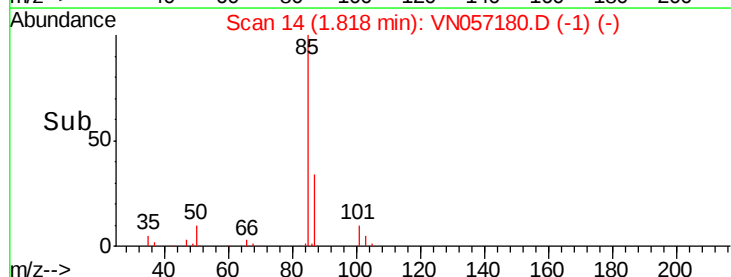
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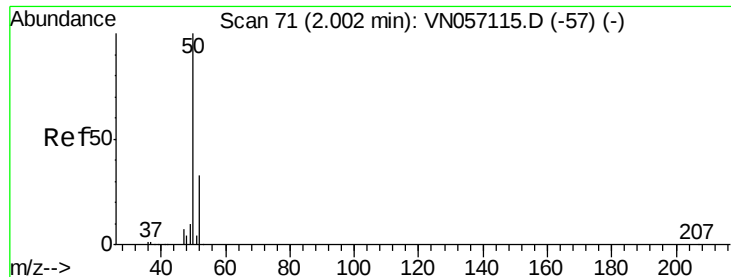
40000

20000

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Time-->





#3

Chloromethane

Concen: 16.655 ug/l

RT: 2.00 min Scan# 69

Delta R.T. -0.01 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

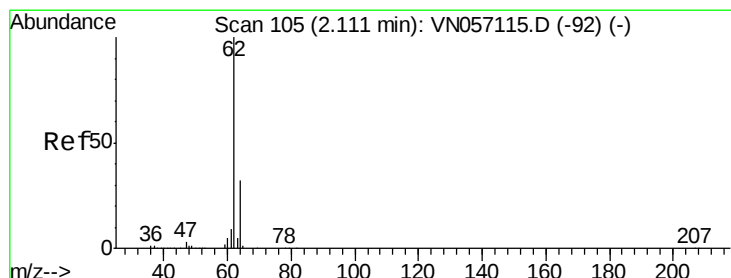
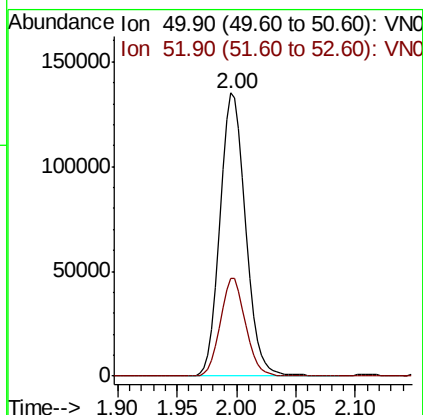
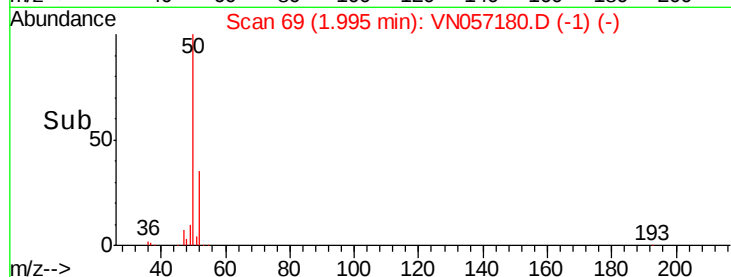
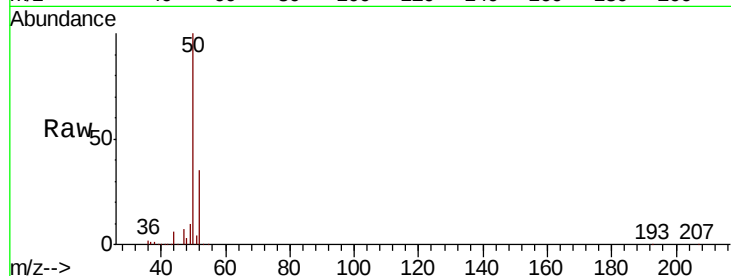
VSTDCCC050

Tgt Ion: 50 Resp: 201792

Ion Ratio Lower Upper

50 100

52 34.6 26.1 39.1



#4

Vinyl Chloride

Concen: 17.800 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057180.D

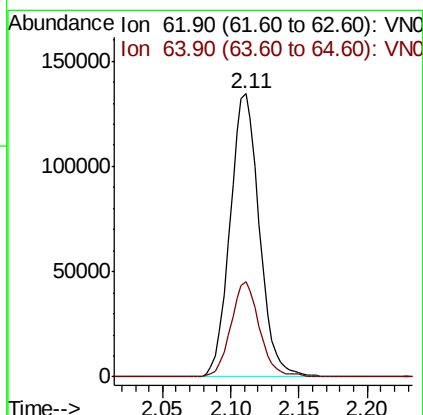
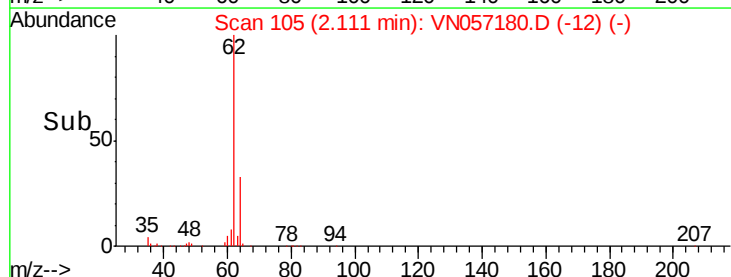
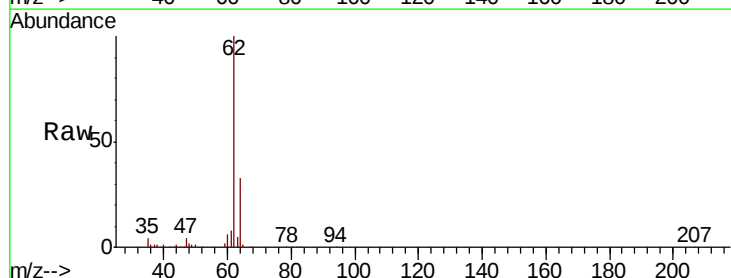
Acq: 11 Aug 2019 12:13

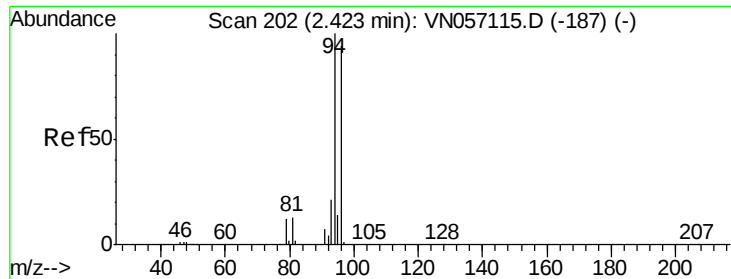
Tgt Ion: 62 Resp: 200463

Ion Ratio Lower Upper

62 100

64 33.4 25.4 38.0





#5

Bromomethane

Concen: 19.500 ug/l

RT: 2.43 min Scan# 204

Delta R.T. 0.01 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

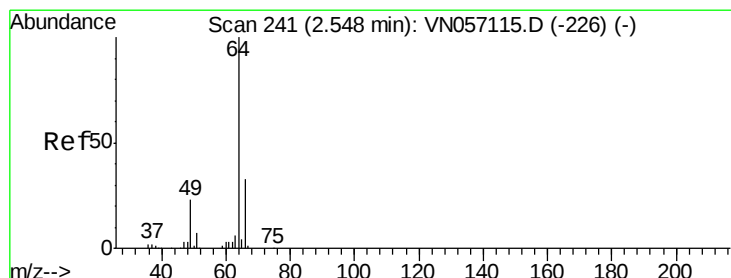
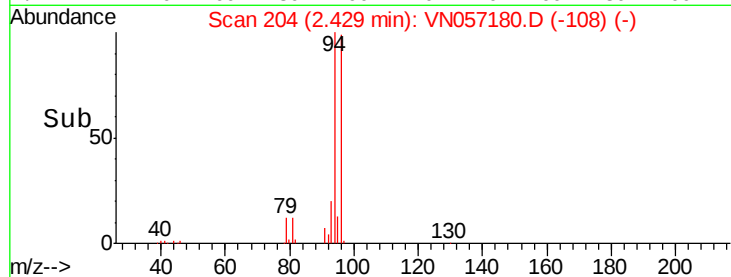
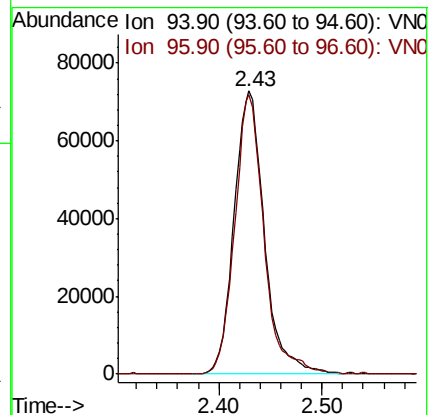
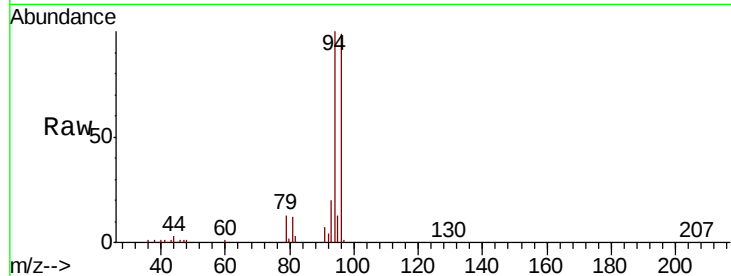
VSTDCCC050

Tgt Ion: 94 Resp: 149215

Ion Ratio Lower Upper

94 100

96 98.7 75.0 112.4



#6

Chloroethane

Concen: 19.077 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN057180.D

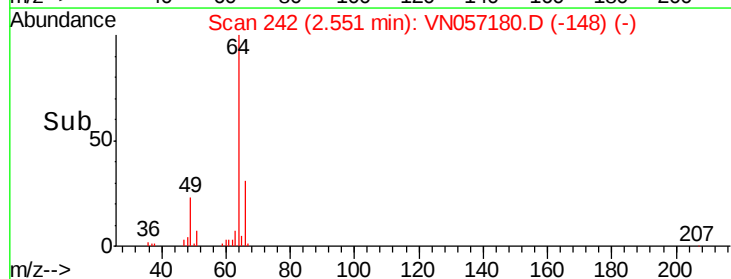
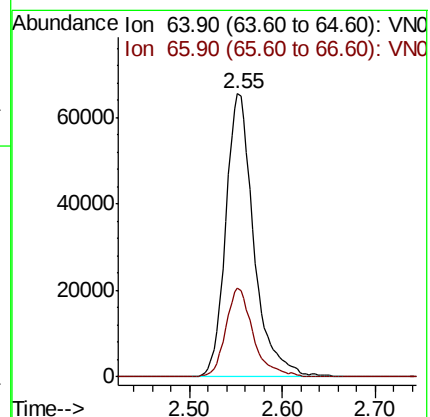
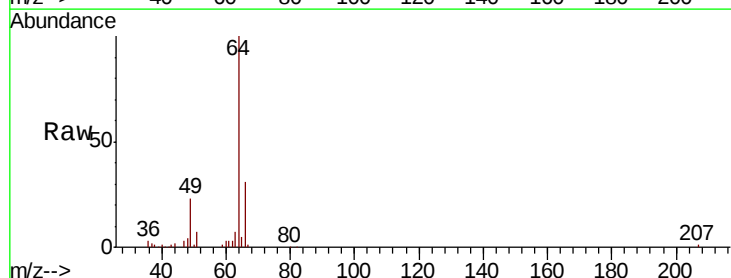
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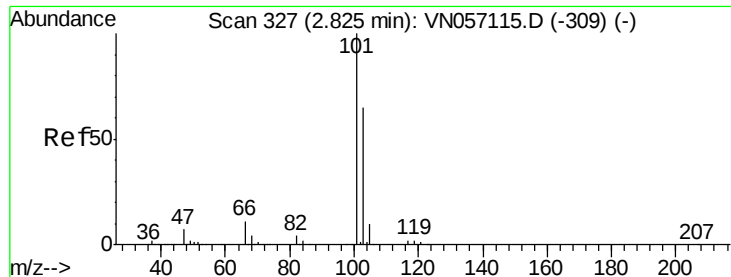
Tgt Ion: 64 Resp: 137804

Ion Ratio Lower Upper

64 100

66 31.5 26.2 39.4



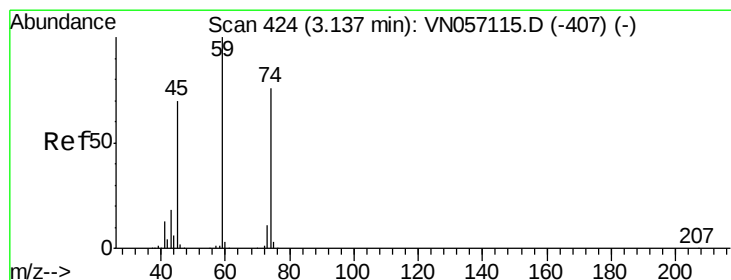
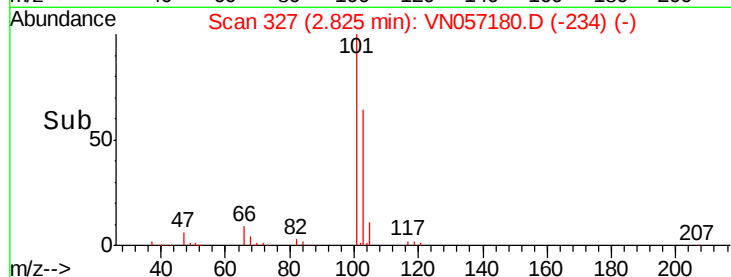
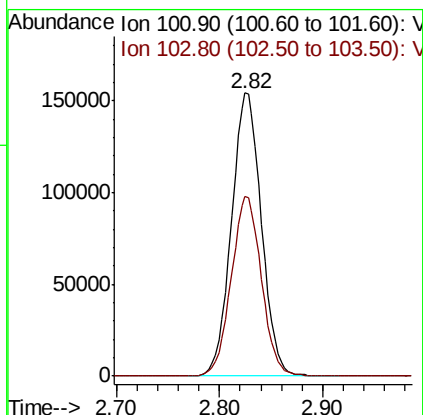
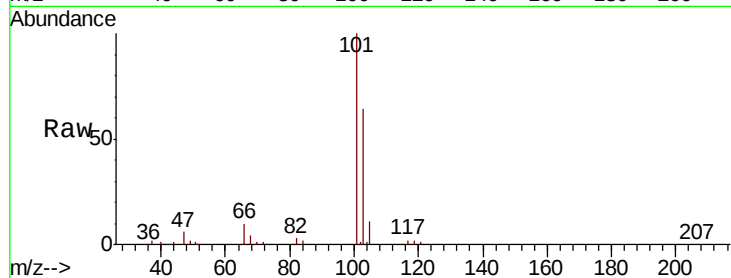


#7

Trichlorofluoromethane
 Concen: 19.257 ug/l
 RT: 2.82 min Scan# 327
 Delta R.T. -0.00 min
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 VSTDCCC050

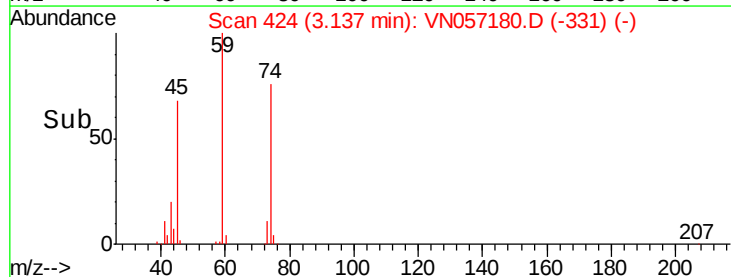
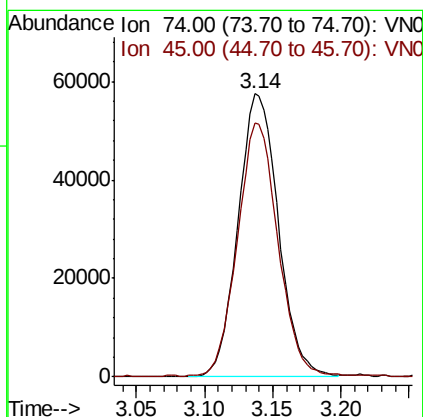
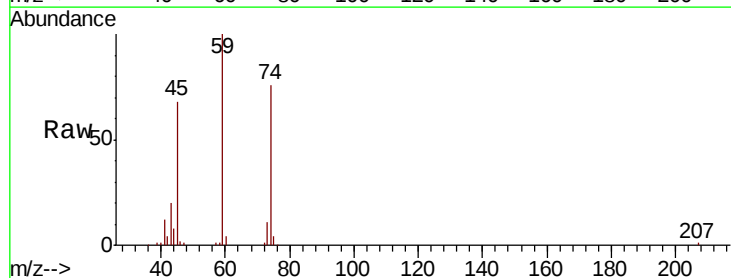
Tgt Ion:101 Resp: 311720
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.2 78.4

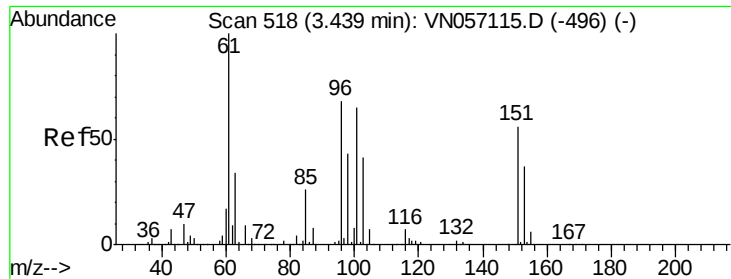


#8

Diethyl Ether
 Concen: 18.872 ug/l
 RT: 3.14 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion: 74 Resp: 118028
 Ion Ratio Lower Upper
 74 100
 45 89.3 46.3 138.8

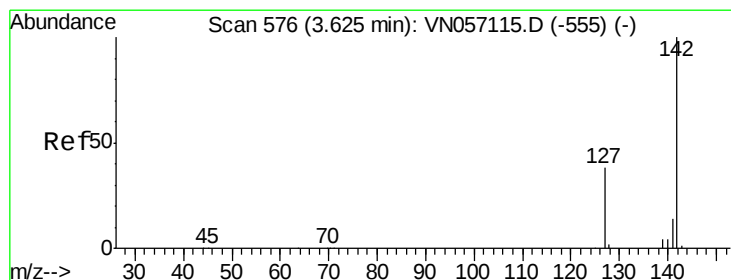
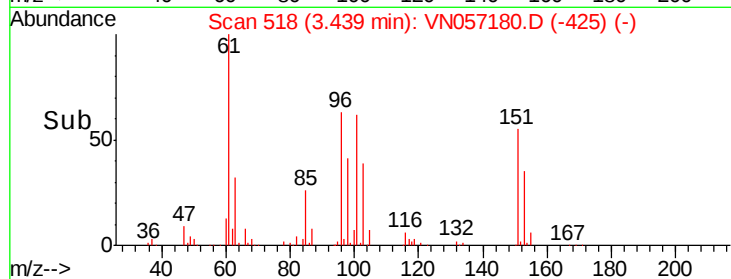
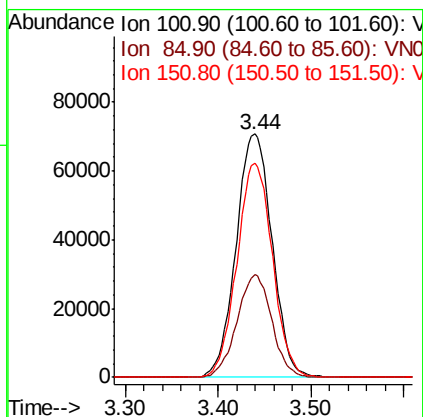
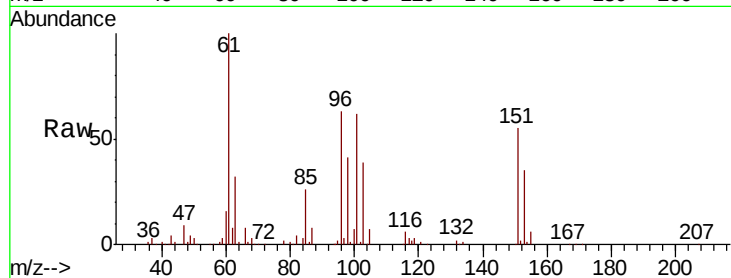




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.440 ug/l
 RT: 3.44 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

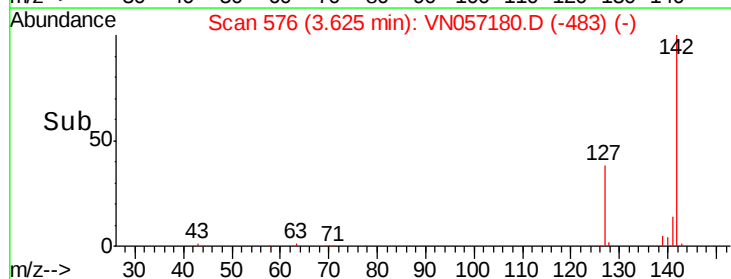
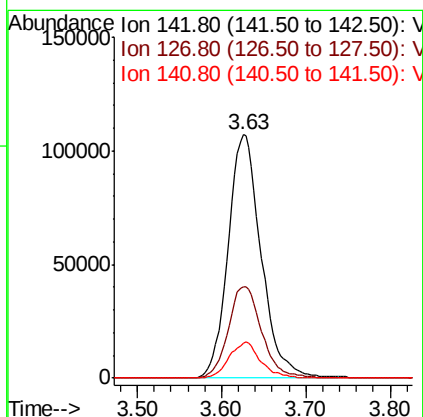
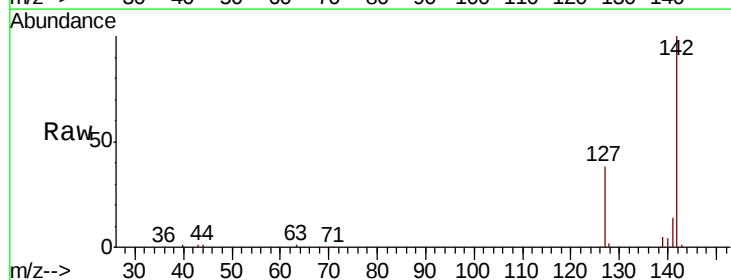
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

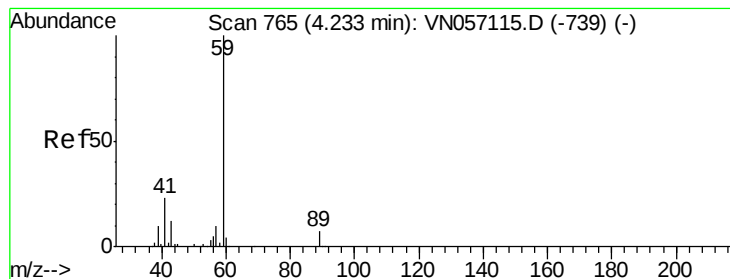
Tgt Ion:101 Resp: 190764
 Ion Ratio Lower Upper
 101 100
 85 40.7 32.3 48.5
 151 86.9 69.4 104.0



#10
 Methyl Iodide
 Concen: 19.599 ug/l
 RT: 3.63 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion:142 Resp: 290631
 Ion Ratio Lower Upper
 142 100
 127 38.1 31.0 46.6
 141 14.2 11.2 16.8



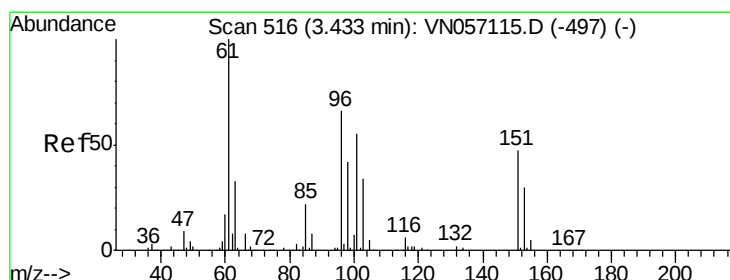
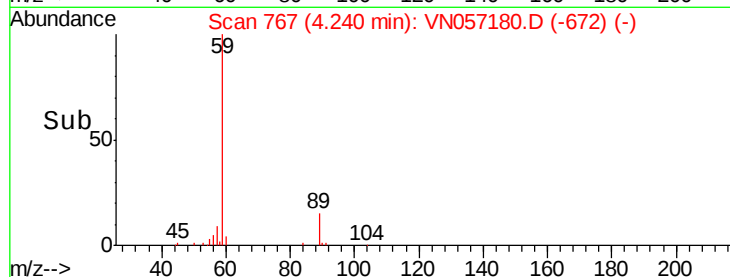
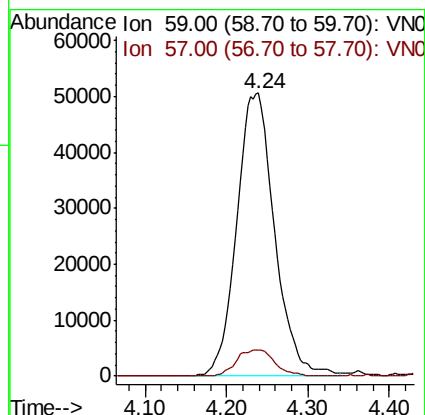
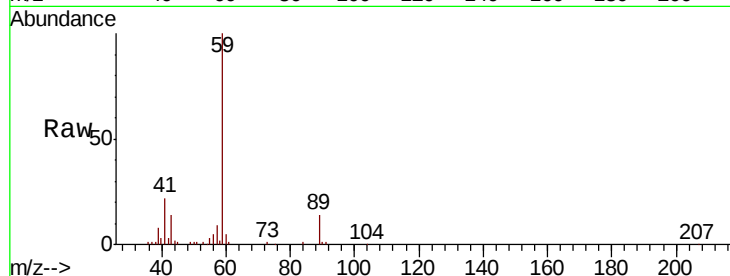


#11

Tert butyl alcohol
 Concen: 97.918 ug/l
 RT: 4.24 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

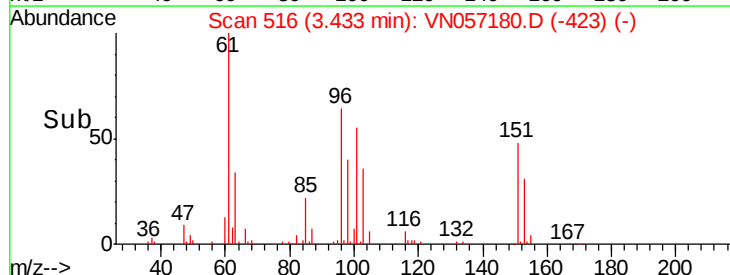
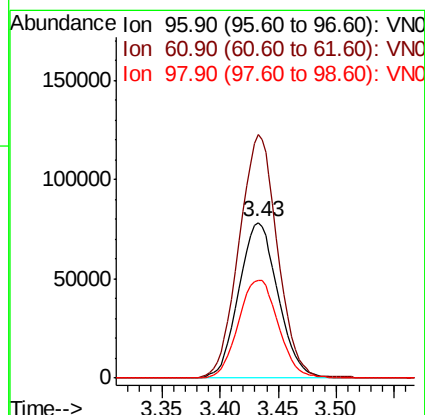
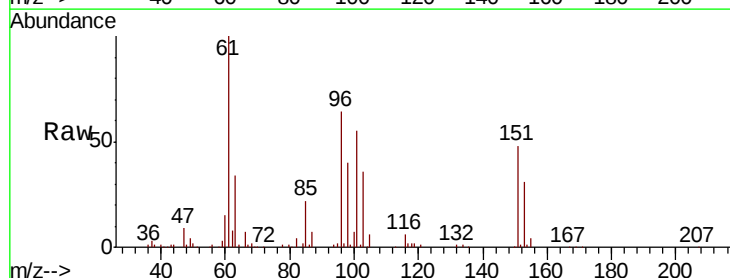
Tgt Ion: 59 Resp: 162583
 Ion Ratio Lower Upper
 59 100
 57 9.2 7.9 11.9

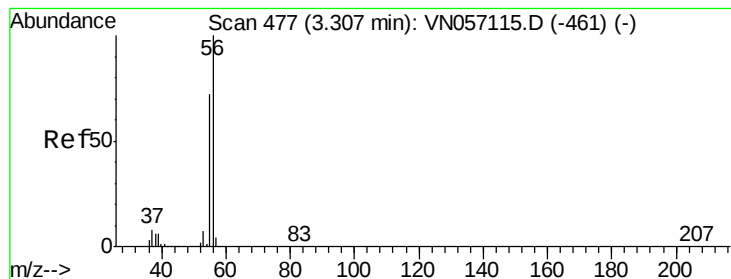


#12

1,1-Dichloroethene
 Concen: 19.045 ug/l
 RT: 3.43 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion: 96 Resp: 183858
 Ion Ratio Lower Upper
 96 100
 61 156.8 121.0 181.6
 98 63.1 50.8 76.2





#13

Acrolein

Concen: 70.543 ug/l

RT: 3.31 min Scan# 477

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

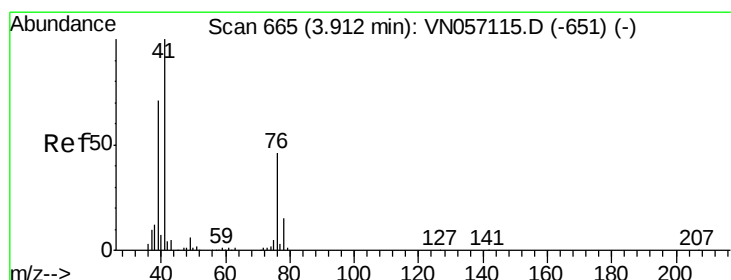
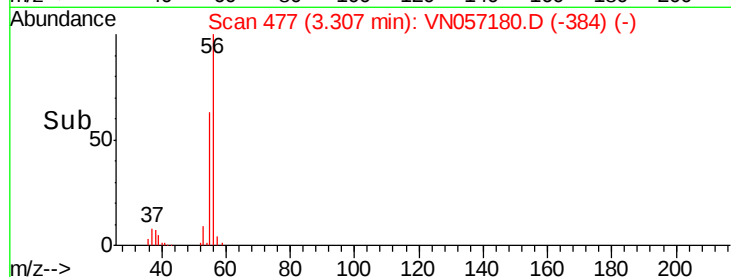
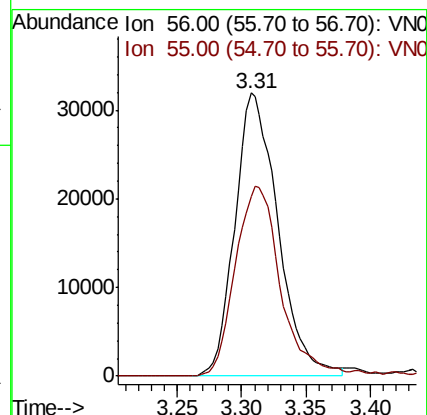
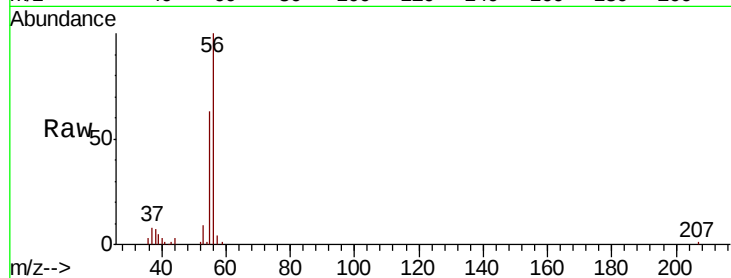
VSTDCCC050

Tgt Ion: 56 Resp: 74098

Ion Ratio Lower Upper

56 100

55 70.4 57.7 86.5



#14

Allyl chloride

Concen: 20.482 ug/l

RT: 3.91 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

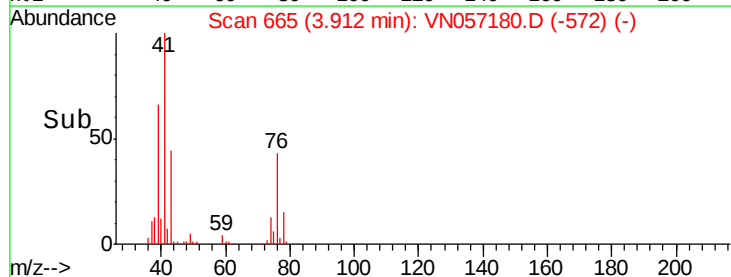
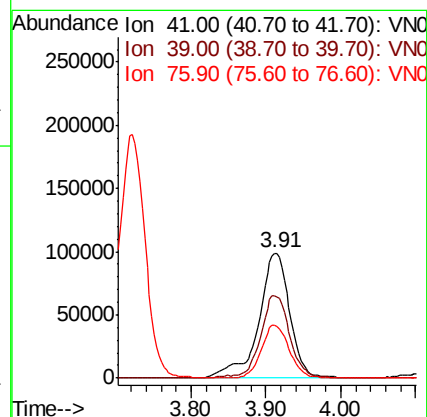
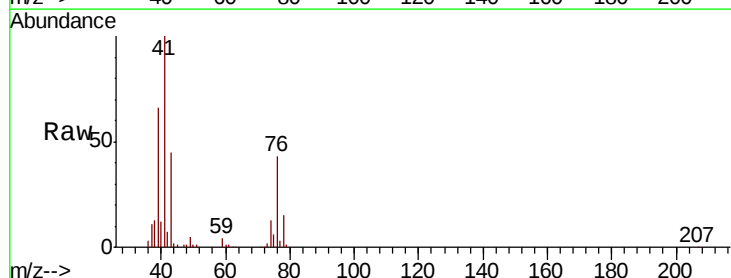
Tgt Ion: 41 Resp: 287359

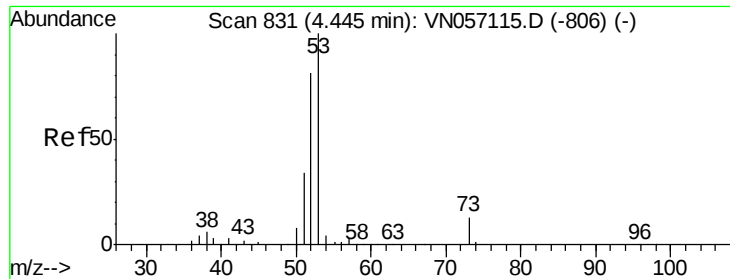
Ion Ratio Lower Upper

41 100

39 60.2 51.1 76.7

76 37.5 32.8 49.2





#15

Acrylonitrile

Concen: 99.412 ug/l

RT: 4.45 min Scan# 831

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

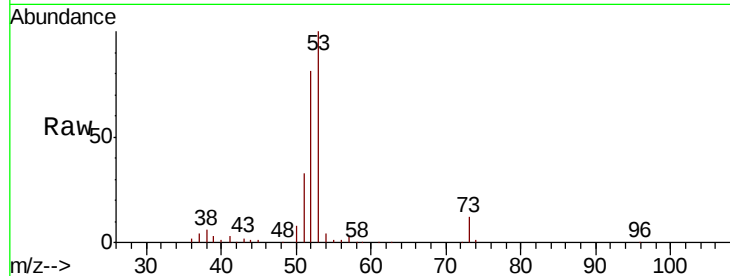
Tgt Ion: 53 Resp: 446733

Ion Ratio Lower Upper

53 100

52 80.1 64.9 97.3

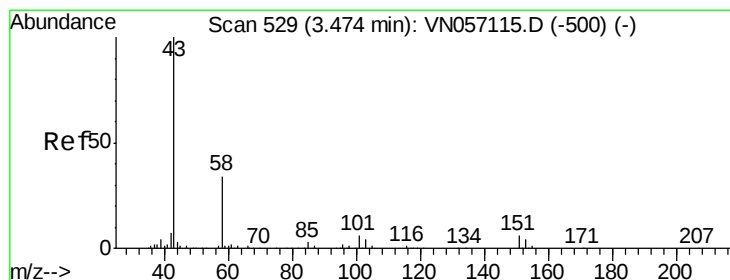
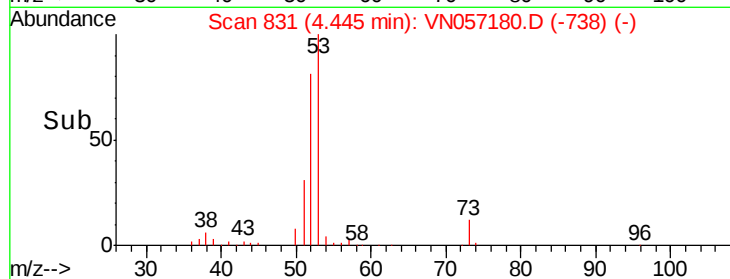
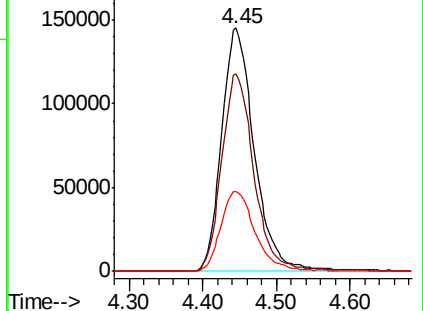
51 34.5 27.8 41.6



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: 102.855 ug/l

RT: 3.48 min Scan# 530

Delta R.T. 0.00 min

Lab File: VN057180.D

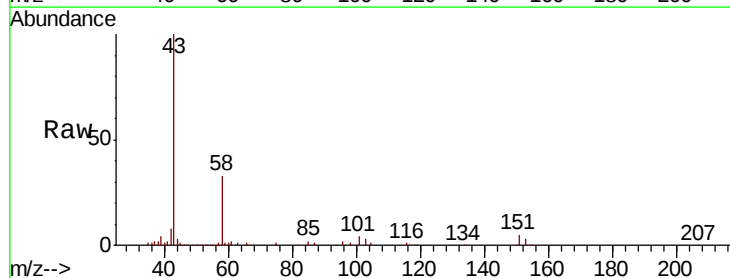
Acq: 11 Aug 2019 12:13

Tgt Ion: 43 Resp: 362431

Ion Ratio Lower Upper

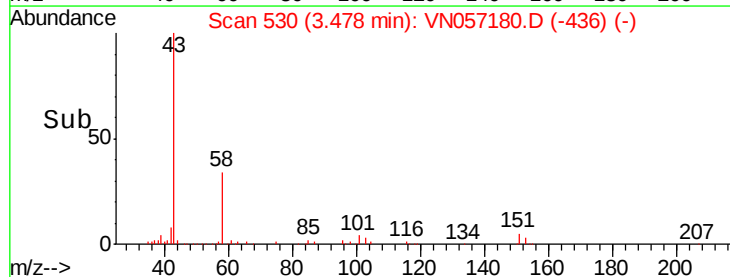
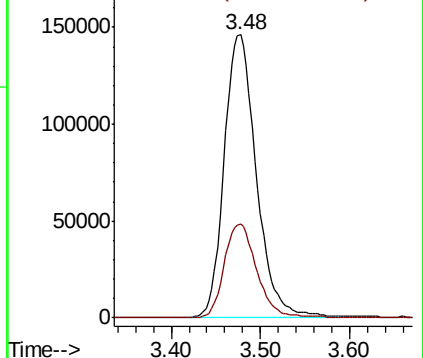
43 100

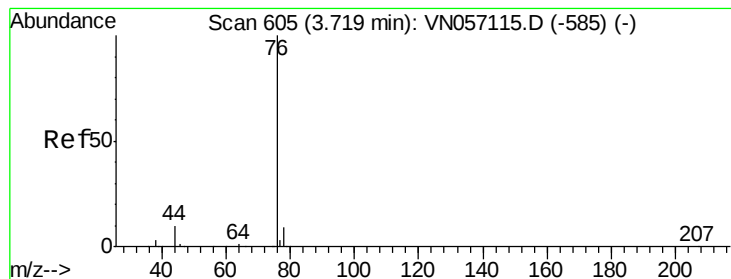
58 33.5 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.362 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

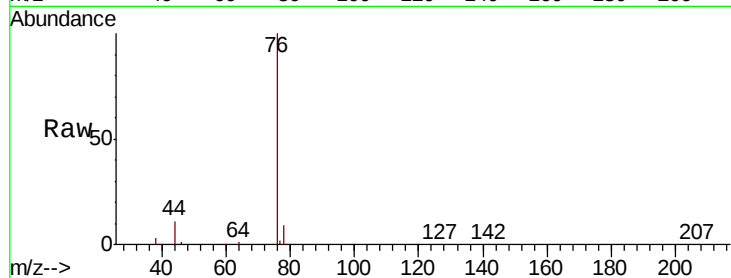
VSTDCCC050

Tgt Ion: 76 Resp: 471581

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN057180.D (-512) (-)

Ion 77.90 (77.60 to 78.60): VN057180.D (-512) (-)

3.72

200000

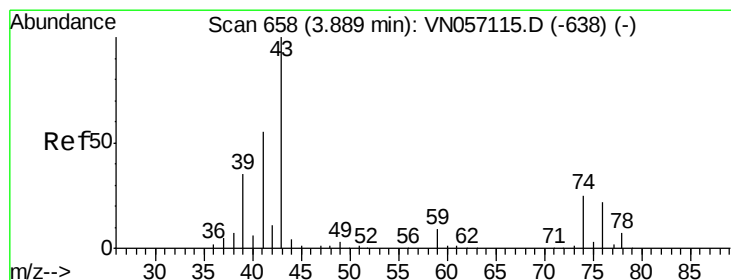
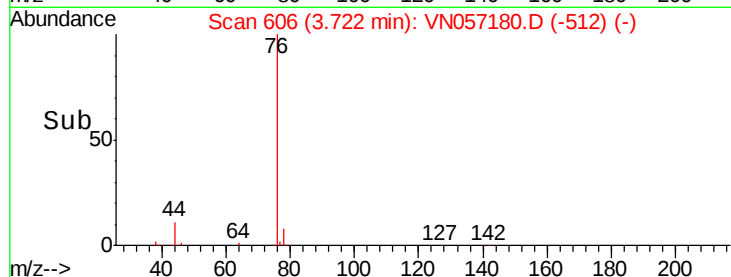
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.466 ug/l

RT: 3.89 min Scan# 659

Delta R.T. 0.00 min

Lab File: VN057180.D

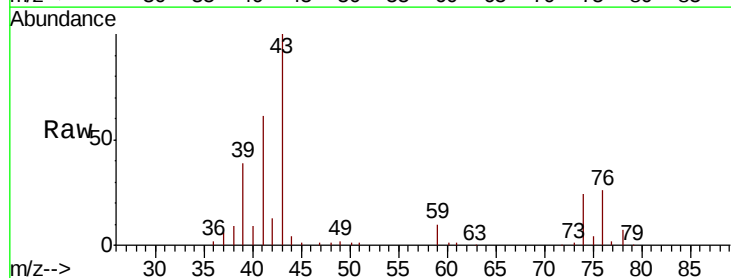
Acq: 11 Aug 2019 12:13

Tgt Ion: 43 Resp: 208585

Ion Ratio Lower Upper

43 100

74 25.4 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN057180.D (-565) (-)

Ion 74.00 (73.70 to 74.70): VN057180.D (-565) (-)

3.89

80000

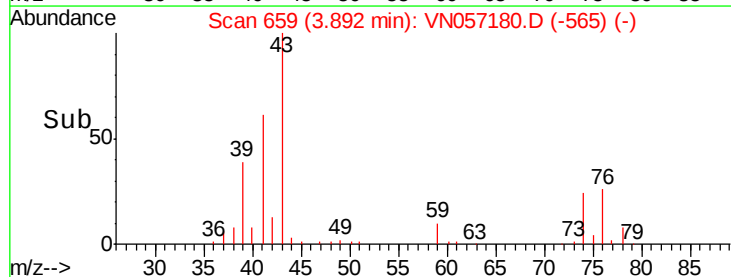
60000

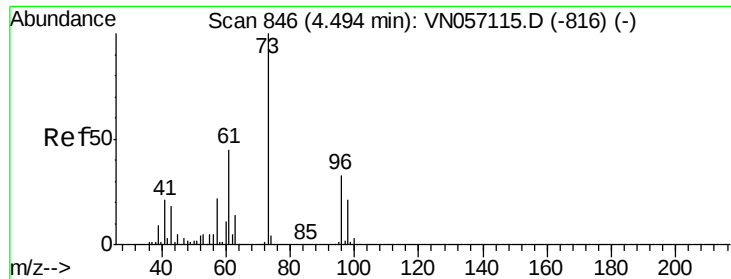
40000

20000

0

Time-->

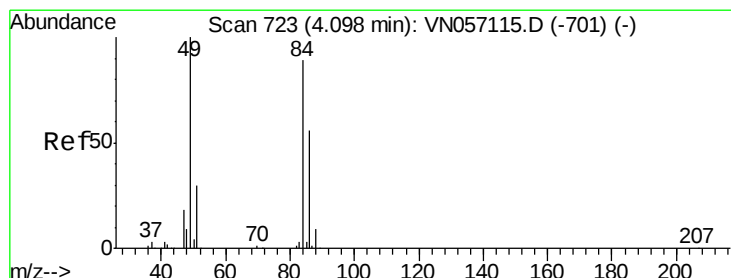
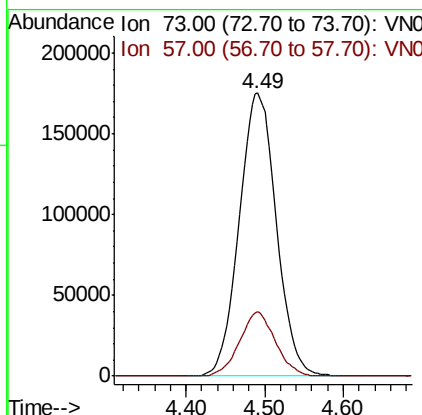
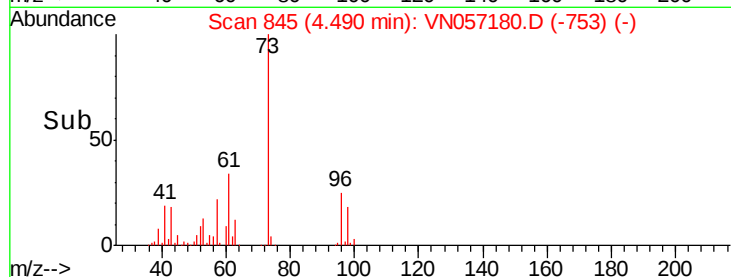
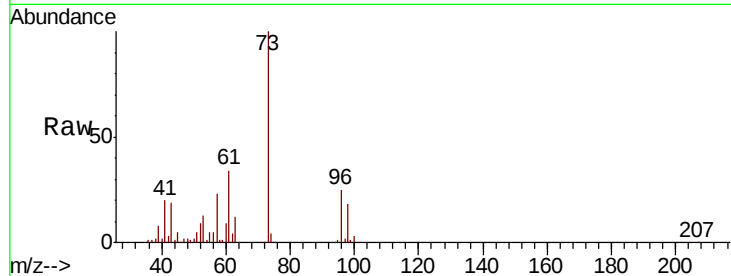




#19
Methyl tert-butyl Ether
Concen: 20.004 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

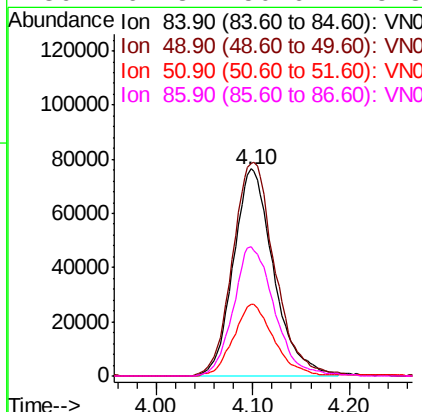
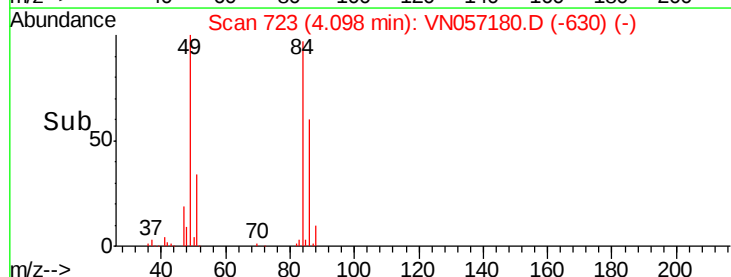
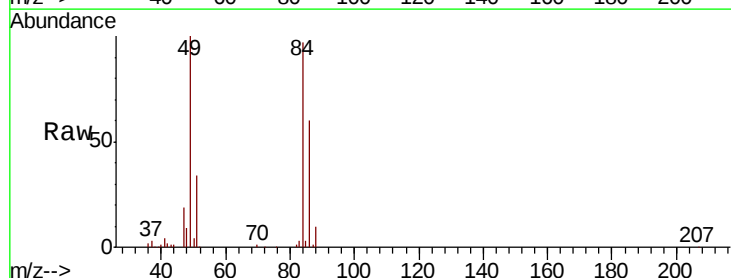
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

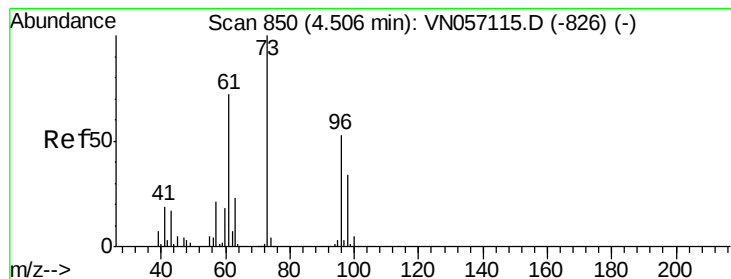
Tgt Ion: 73 Resp: 583018
Ion Ratio Lower Upper
73 100
57 22.7 18.0 27.0



#20
Methylene Chloride
Concen: 18.988 ug/l
RT: 4.10 min Scan# 723
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion: 84 Resp: 220814
Ion Ratio Lower Upper
84 100
49 103.0 89.5 134.3
51 34.8 27.2 40.8
86 62.3 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 18.947 ug/l

RT: 4.51 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

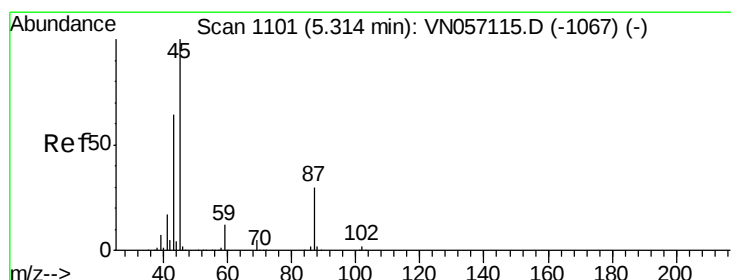
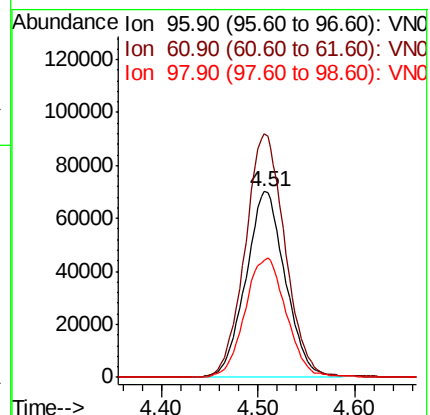
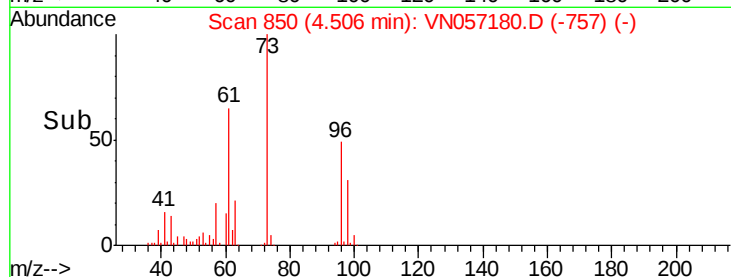
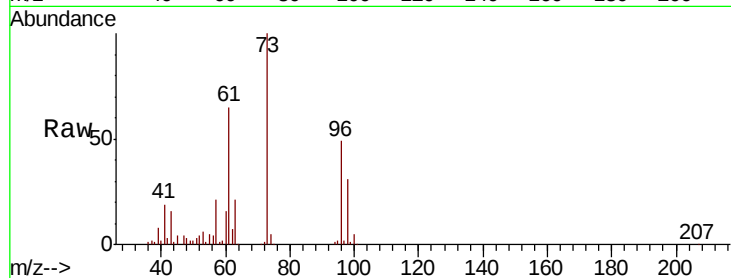
Tgt Ion: 96 Resp: 199250

Ion Ratio Lower Upper

96 100

61 131.2 108.1 162.1

98 63.2 50.5 75.7



#22

Diisopropyl ether

Concen: 19.851 ug/l

RT: 5.32 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Tgt Ion: 45 Resp: 607463

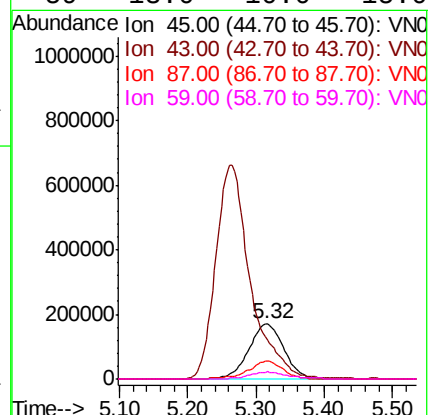
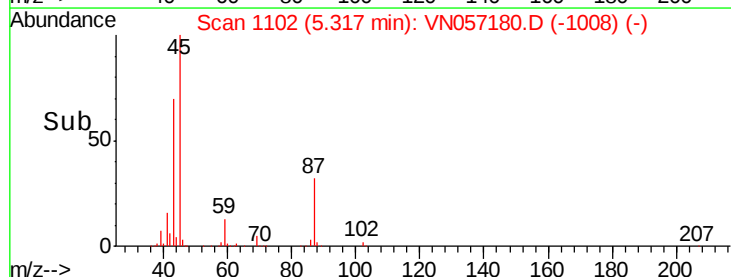
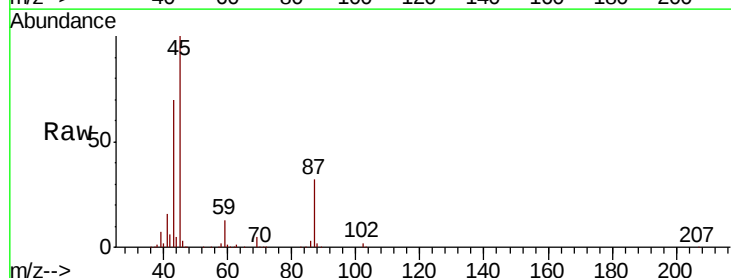
Ion Ratio Lower Upper

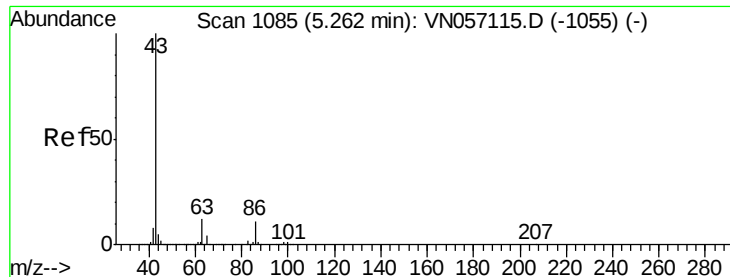
45 100

43 68.5 54.1 81.1

87 32.1 24.0 36.0

59 13.0 10.0 15.0

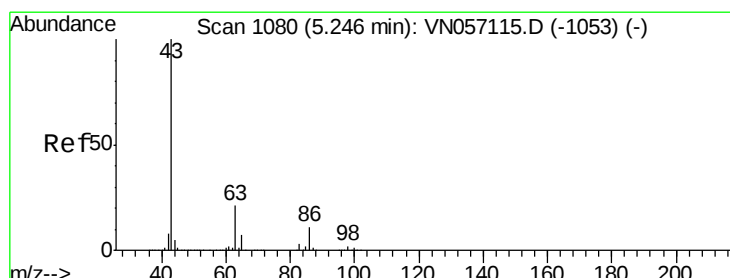
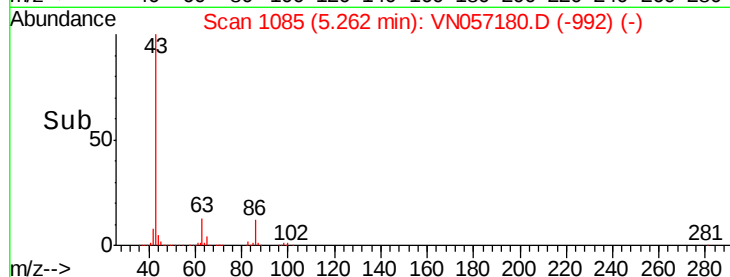
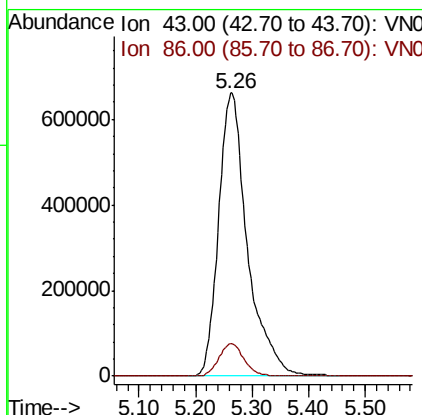
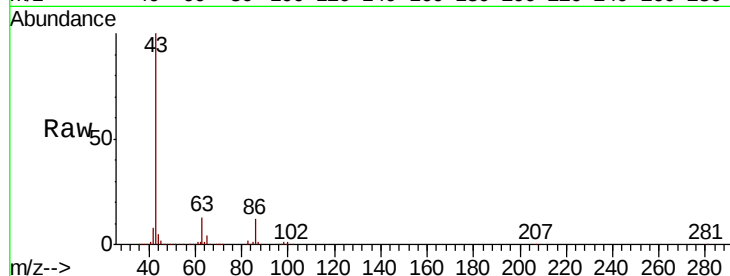




#23
 Vinyl Acetate
 Concen: 99.893 ug/l
 RT: 5.26 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

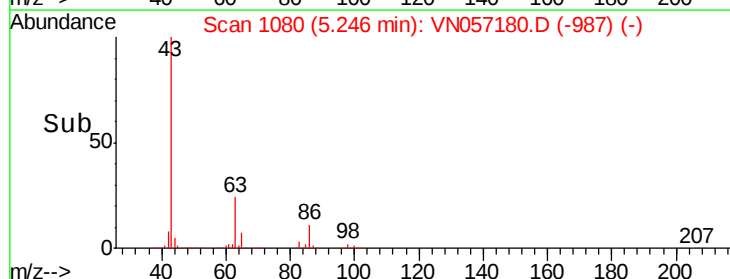
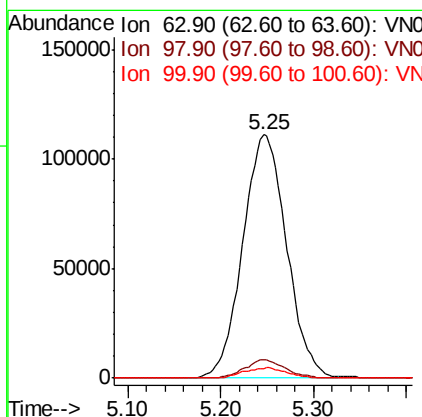
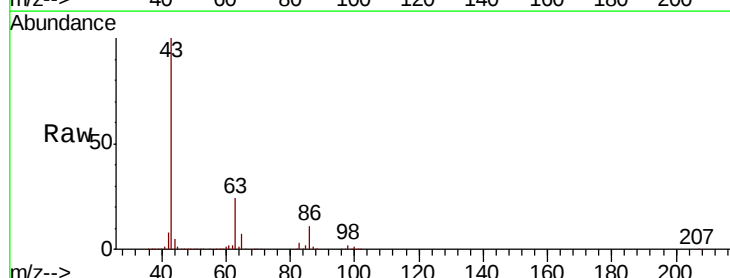
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

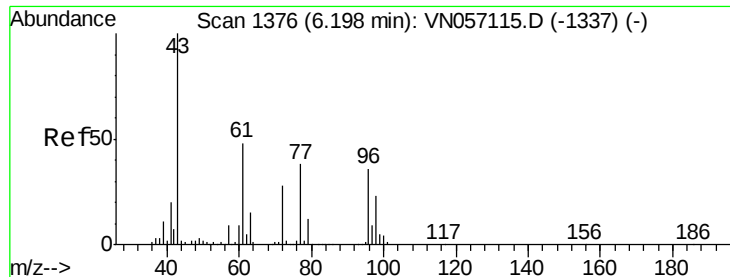
Tgt Ion: 43 Resp: 2340847
 Ion Ratio Lower Upper
 43 100
 86 11.6 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 19.374 ug/l
 RT: 5.25 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion: 63 Resp: 364454
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.8 11.2
 100 3.9 2.1 6.3

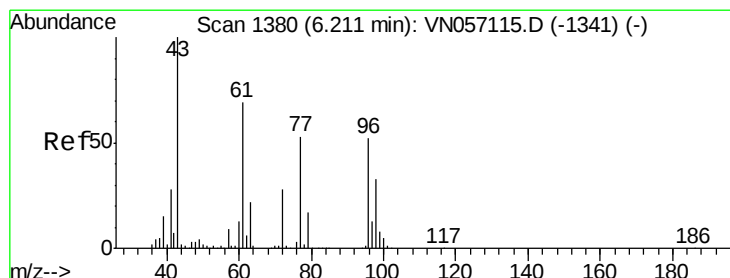
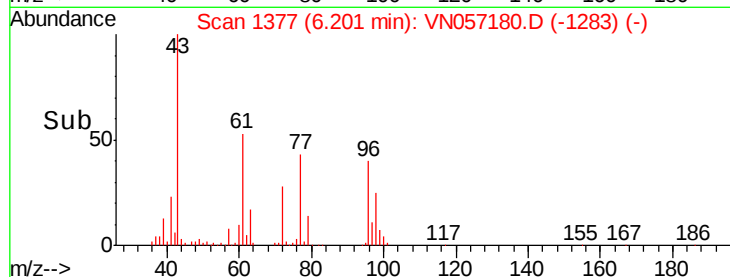
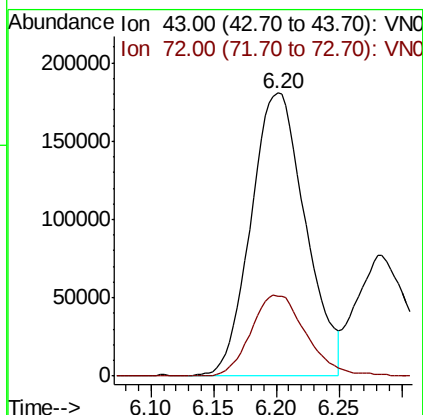
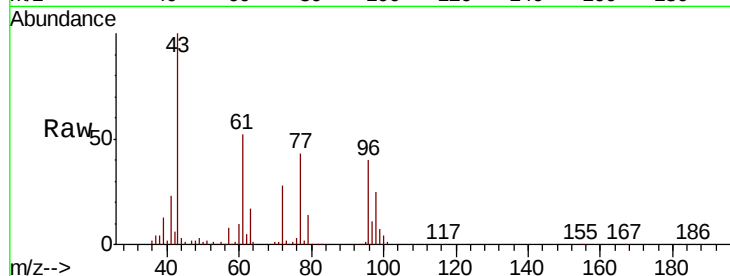




#25
2-Butanone
Concen: 101.146 ug/l
RT: 6.20 min Scan# 1377
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

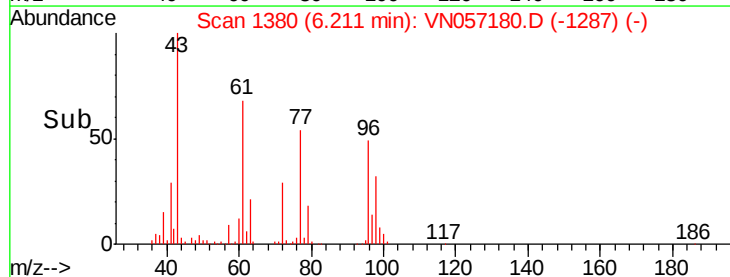
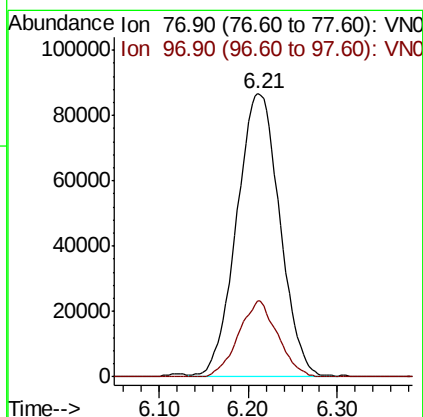
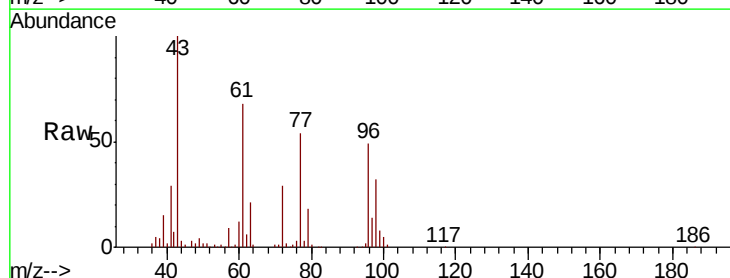
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

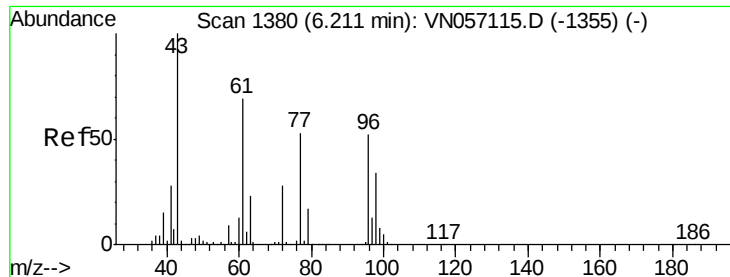
Tgt Ion: 43 Resp: 544540
Ion Ratio Lower Upper
43 100
72 28.5 22.2 33.4



#26
2,2-Dichloropropane
Concen: 21.193 ug/l
RT: 6.21 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion: 77 Resp: 290058
Ion Ratio Lower Upper
77 100
97 24.5 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 19.824 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

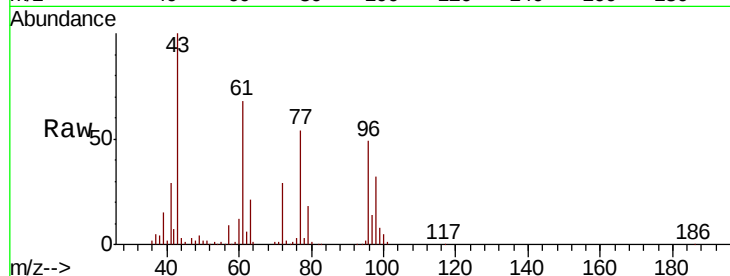
Tgt Ion: 96 Resp: 238828

Ion Ratio Lower Upper

96 100

61 133.1 0.0 273.4

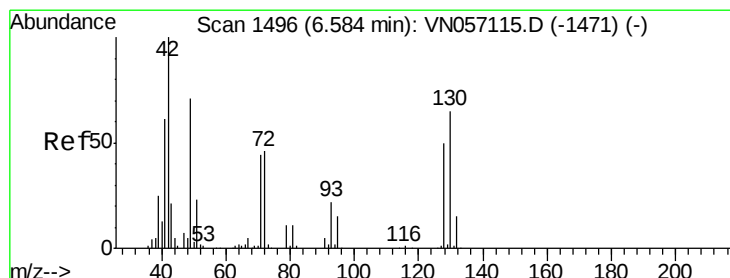
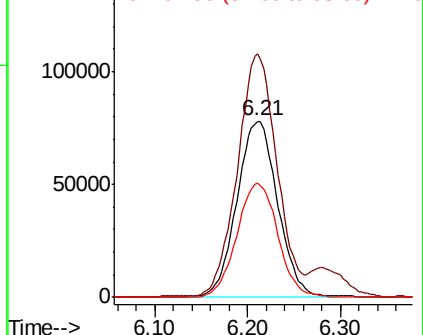
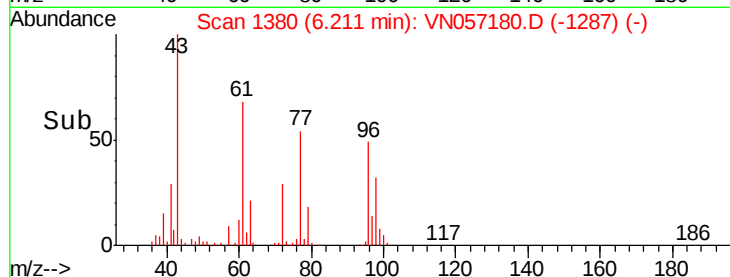
98 65.0 0.0 130.4



Abundance Ion 95.90 (95.60 to 96.60): VN057180.D (-1287) (-)

Ion 60.90 (60.60 to 61.60): VN057180.D (-1287) (-)

Ion 97.90 (97.60 to 98.60): VN057180.D (-1287) (-)



#28

Bromochloromethane

Concen: 20.032 ug/l

RT: 6.58 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

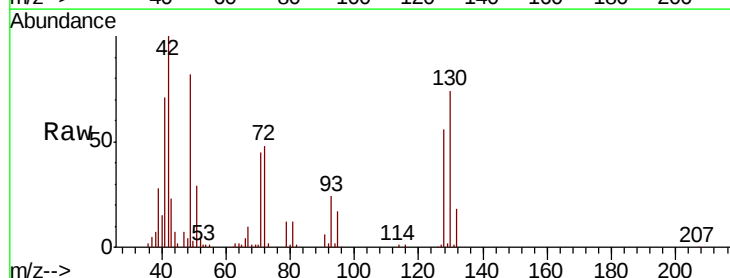
Tgt Ion: 49 Resp: 173336

Ion Ratio Lower Upper

49 100

129 1.3 0.0 4.8

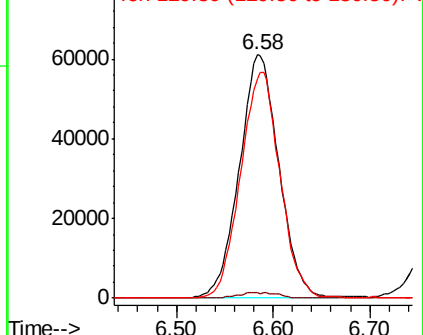
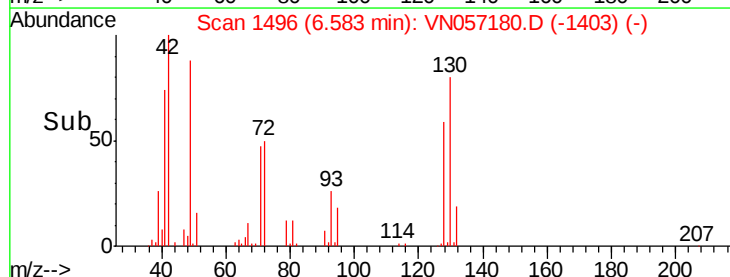
130 92.1 73.8 110.8

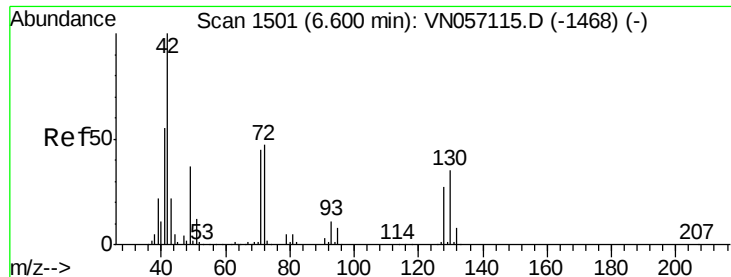


Abundance Ion 48.90 (48.60 to 49.60): VN057180.D (-1403) (-)

Ion 128.80 (128.50 to 129.50): VN057180.D (-1403) (-)

Ion 129.80 (129.50 to 130.50): VN057180.D (-1403) (-)





#29

Tetrahydrofuran

Concen: 96.058 ug/l

RT: 6.60 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

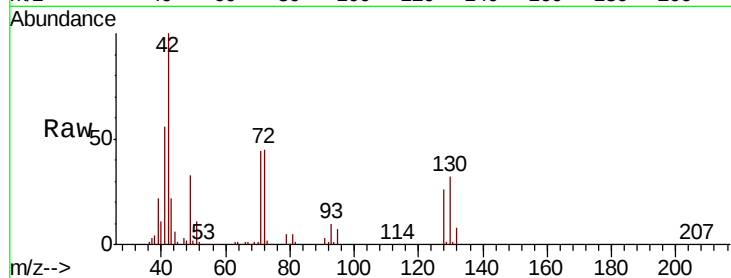
Tgt Ion: 42 Resp: 348374

Ion Ratio Lower Upper

42 100

72 47.2 37.1 55.7

71 45.5 34.8 52.2

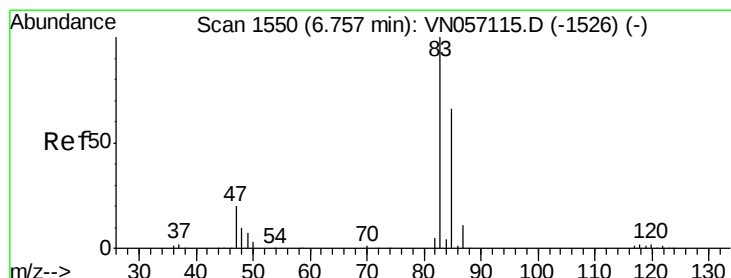
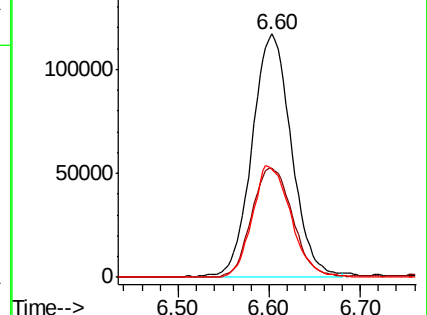
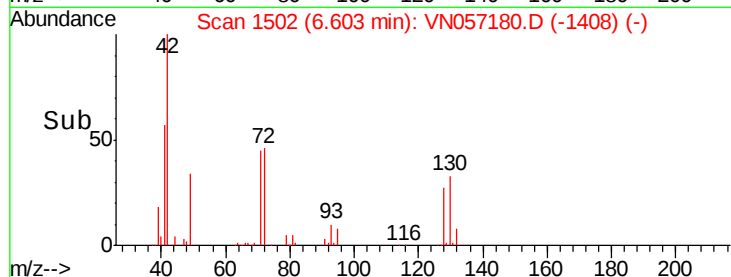


Abundance Ion 42.00 (41.70 to 42.70): VN057115.D (-1468) (-)

Ion 72.00 (71.70 to 72.70): VN057115.D (-1468) (-)

Ion 71.00 (70.70 to 71.70): VN057115.D (-1468) (-)

Time-->



#30

Chloroform

Concen: 19.133 ug/l

RT: 6.76 min Scan# 1550

Delta R.T. -0.00 min

Lab File: VN057180.D

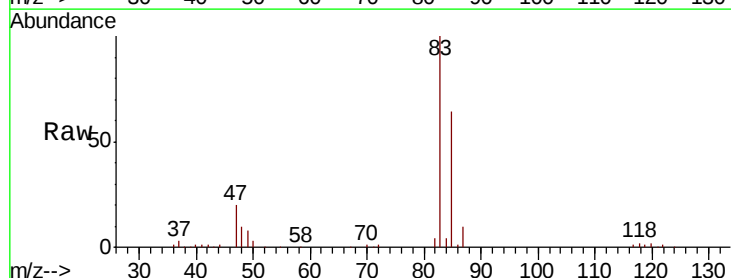
Acq: 11 Aug 2019 12:13

Tgt Ion: 83 Resp: 372534

Ion Ratio Lower Upper

83 100

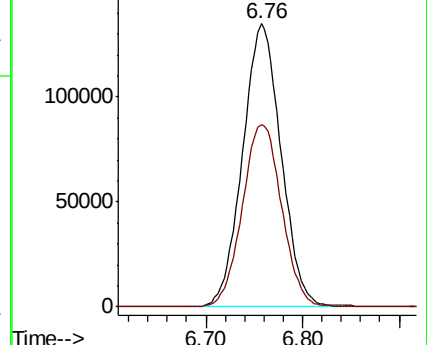
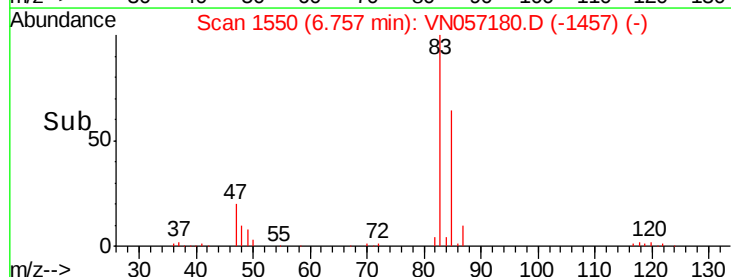
85 64.4 52.6 78.8

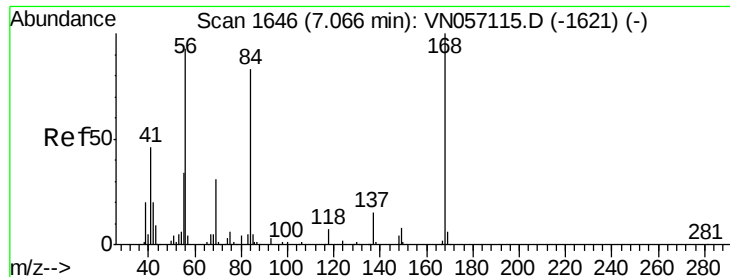


Abundance Ion 82.90 (82.60 to 83.60): VN057115.D (-1526) (-)

Ion 84.90 (84.60 to 85.60): VN057115.D (-1526) (-)

Time-->

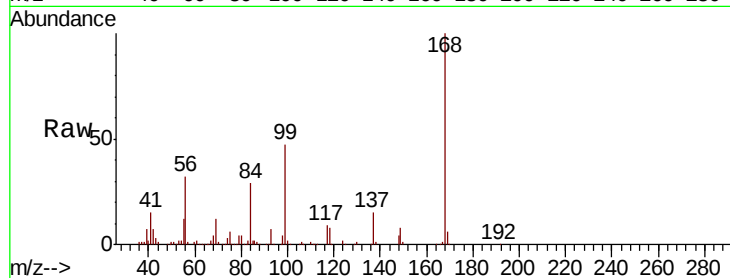




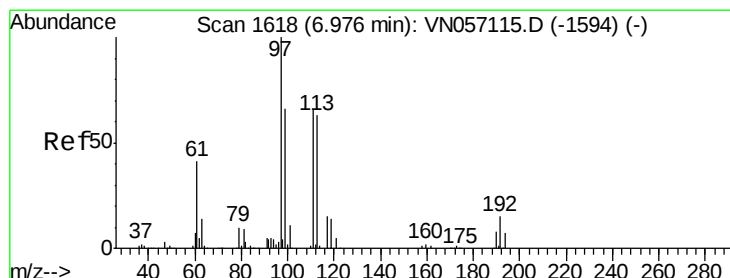
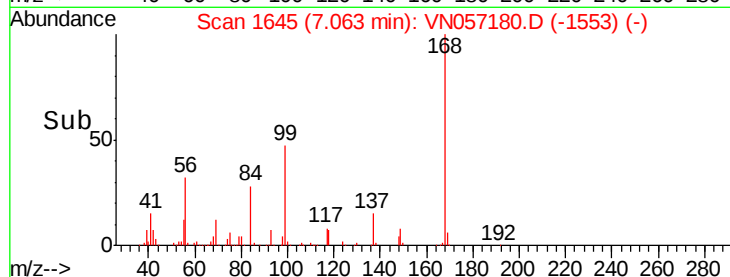
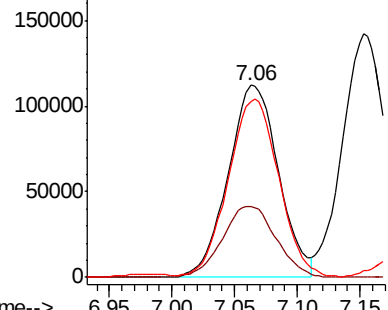
#31
Cyclohexane
Concen: 18.522 ug/l
RT: 7.06 min Scan# 1645
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 313474
Ion Ratio Lower Upper
56 100
69 36.8 26.9 40.3
84 90.2 71.9 107.9

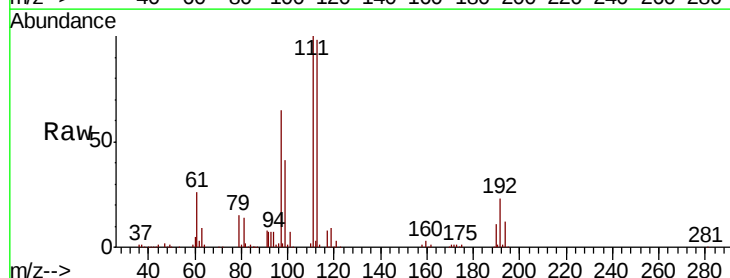


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

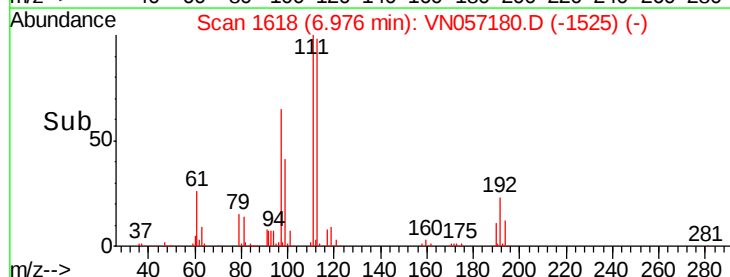
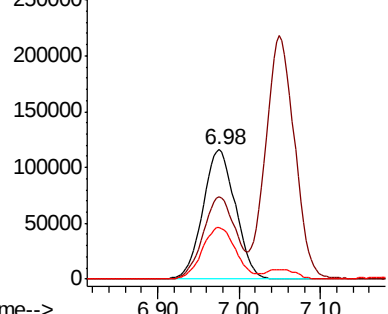


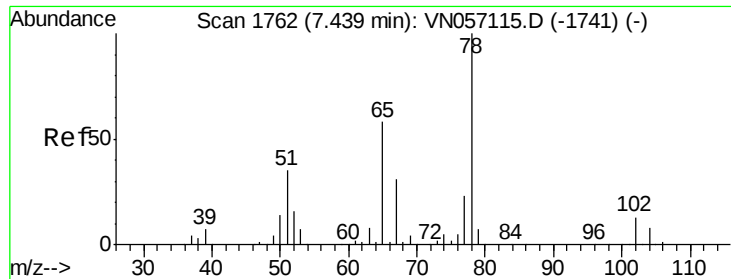
#32
1,1,1-Trichloroethane
Concen: 19.799 ug/l
RT: 6.98 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion: 97 Resp: 323379
Ion Ratio Lower Upper
97 100
99 62.7 51.8 77.6
61 41.6 32.7 49.1



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

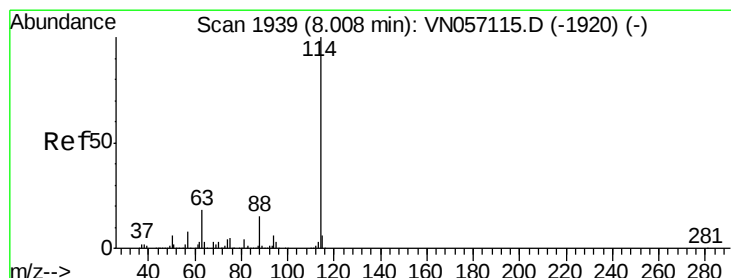
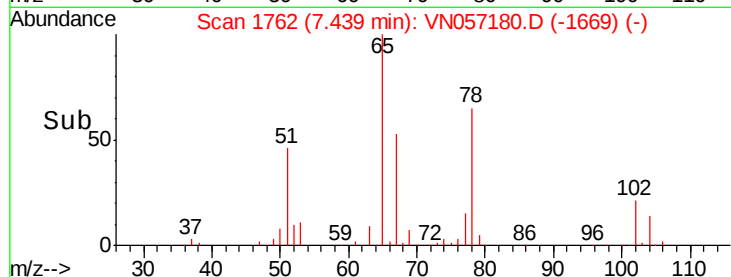
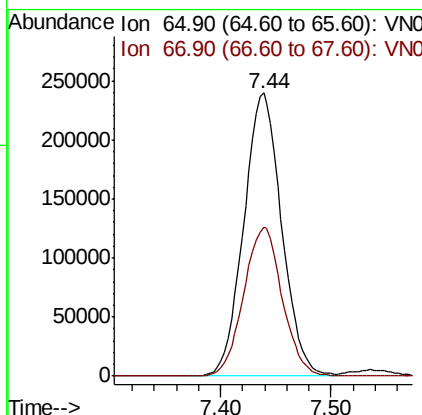
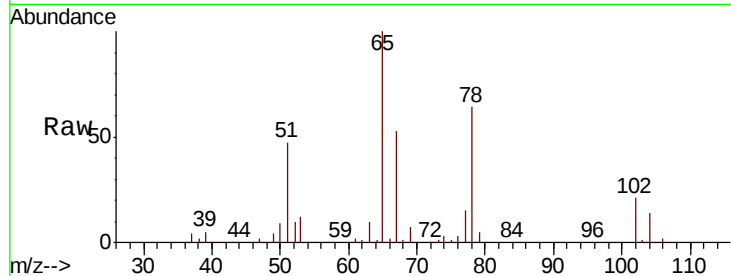




#33
 1,2-Dichloroethane-d4
 Concen: 48.850 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

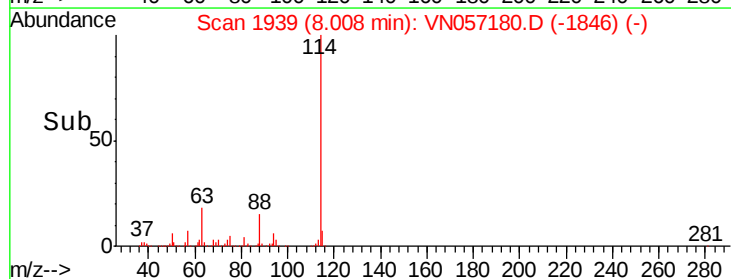
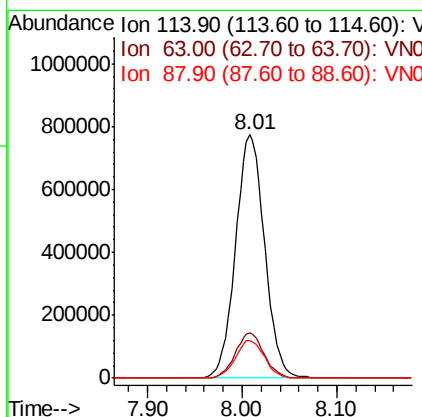
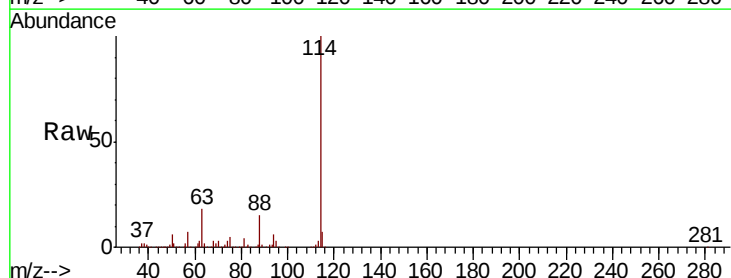
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

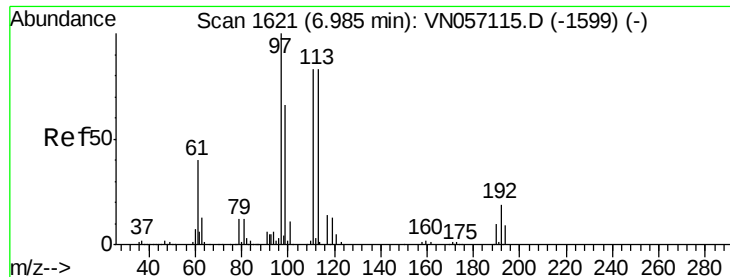
Tgt Ion: 65 Resp: 569971
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion: 114 Resp: 1648087
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.2
 88 15.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 50.759 ug/l

RT: 6.99 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

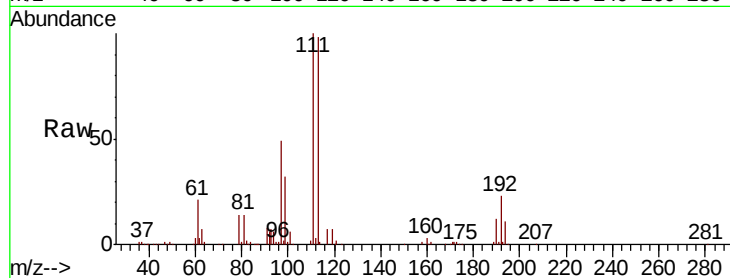
Tgt Ion: 113 Resp: 524948

Ion Ratio Lower Upper

113 100

111 102.4 81.3 121.9

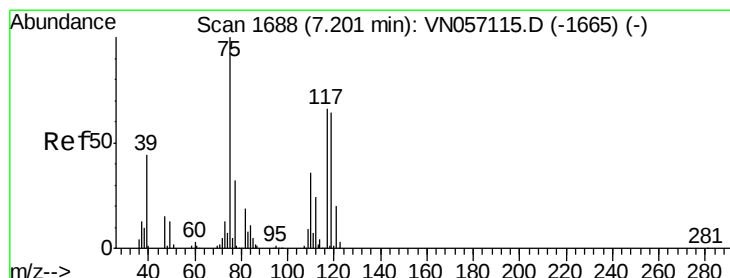
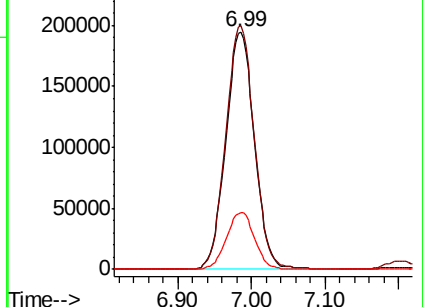
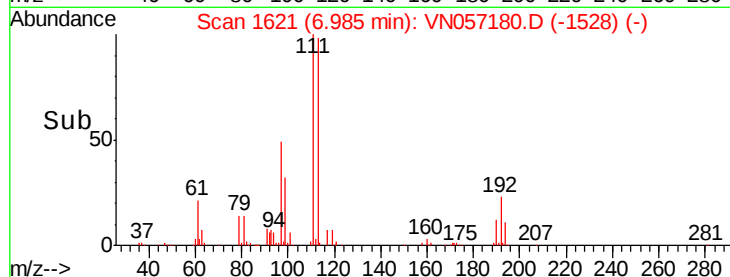
192 23.6 19.0 28.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.379 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

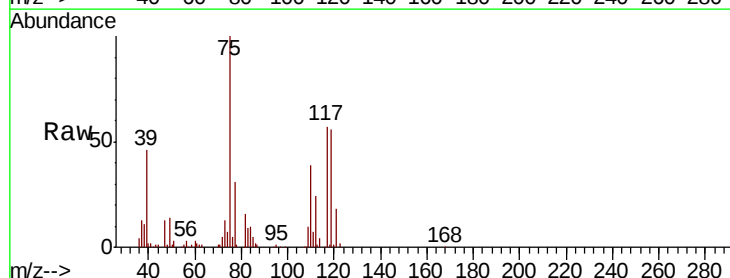
Tgt Ion: 75 Resp: 276537

Ion Ratio Lower Upper

75 100

110 38.5 18.7 56.1

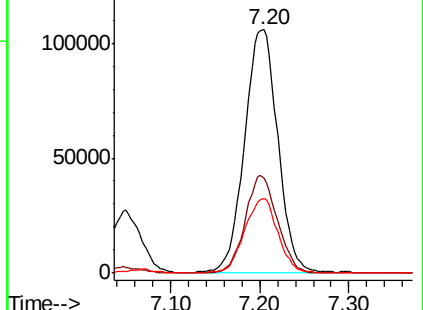
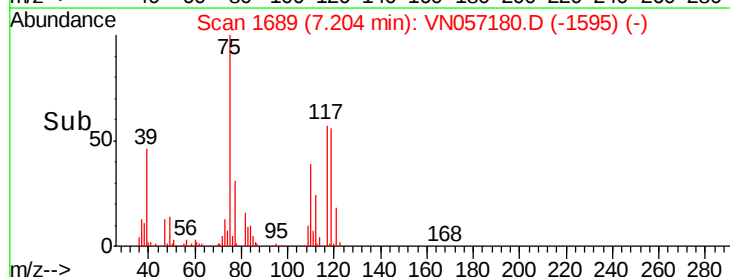
77 30.6 25.0 37.4

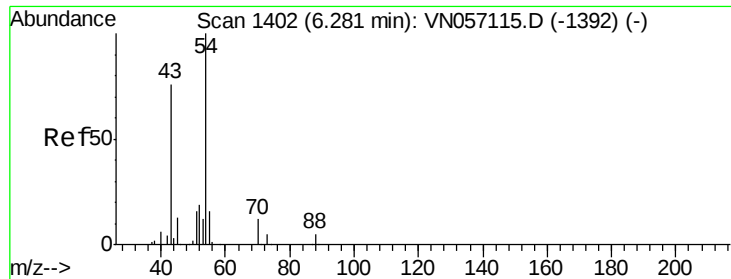


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO

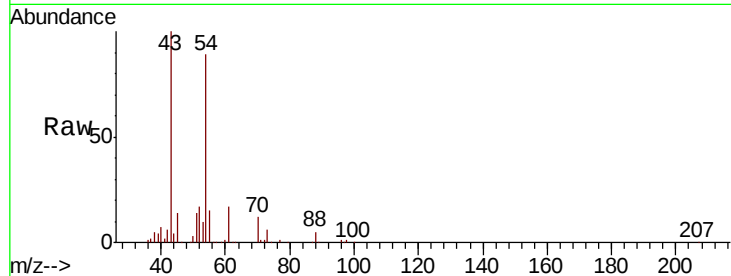




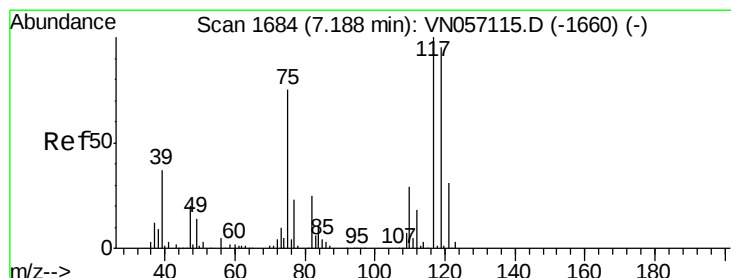
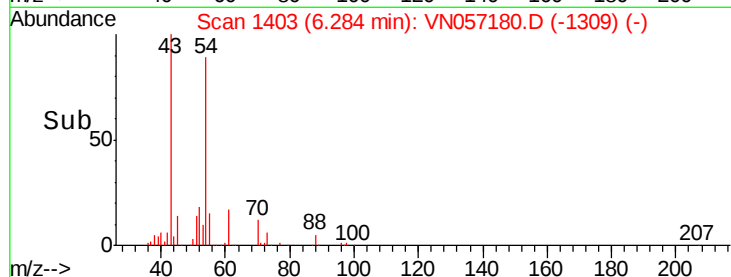
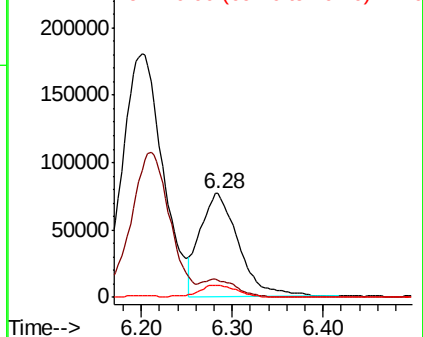
#37
Ethyl Acetate
Concen: 20.137 ug/l
RT: 6.28 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 225340
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 12.1 9.1 13.7

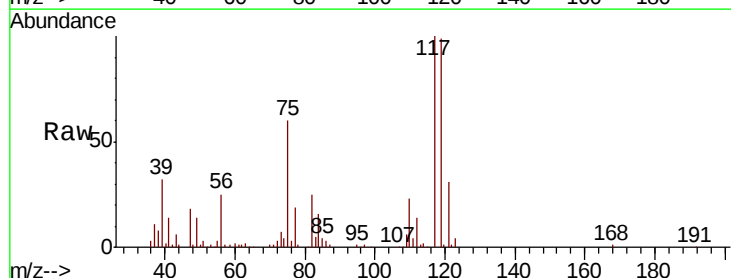


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

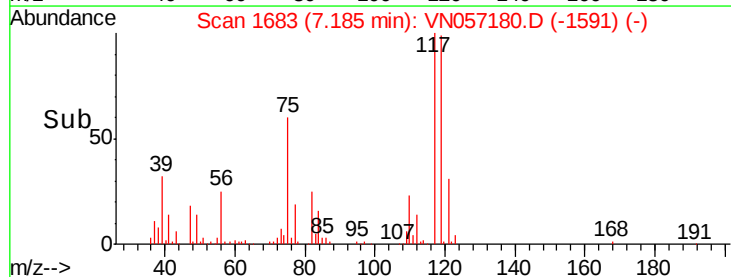
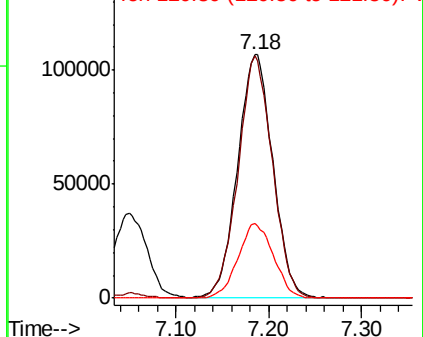


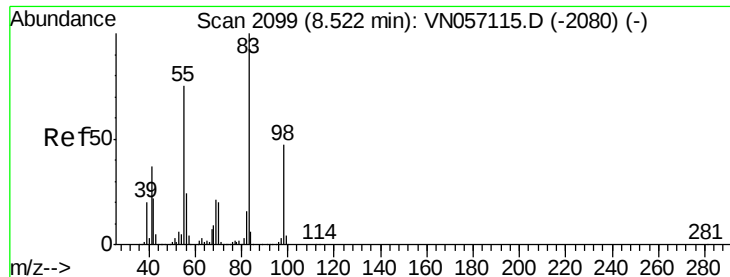
#38
Carbon Tetrachloride
Concen: 19.945 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion: 117 Resp: 282053
Ion Ratio Lower Upper
117 100
119 99.5 75.8 113.6
121 30.6 24.4 36.6



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

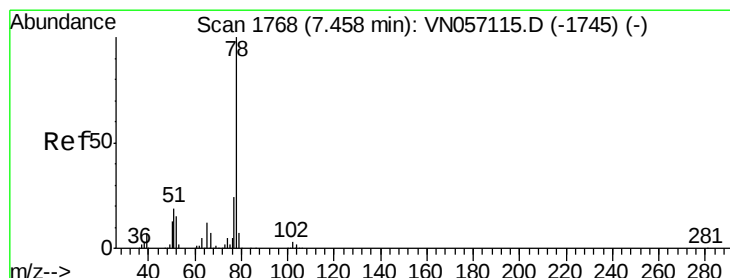
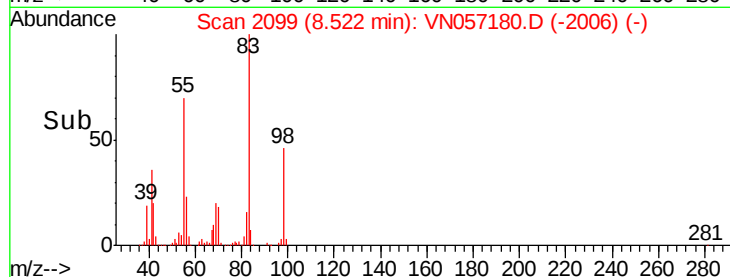
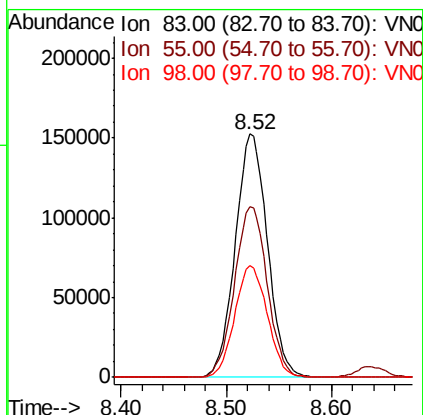
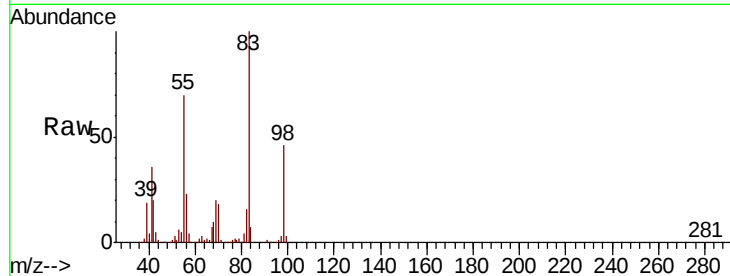




#39
Methylcyclohexane
Concen: 19.611 ug/l
RT: 8.52 min Scan# 2099
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

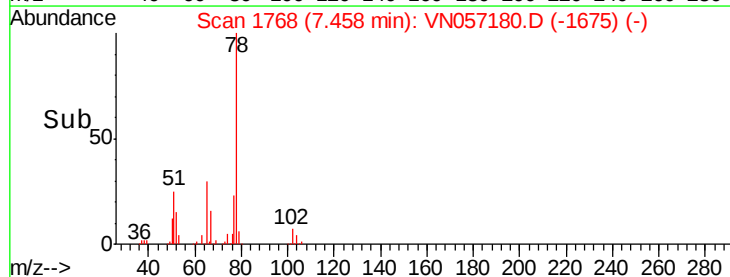
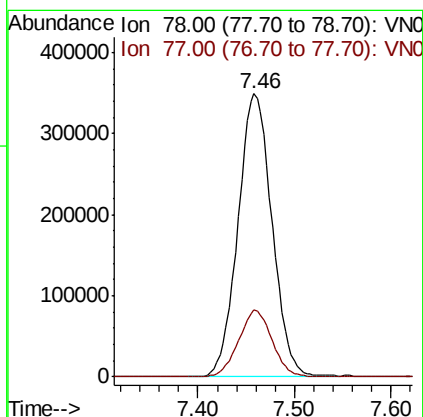
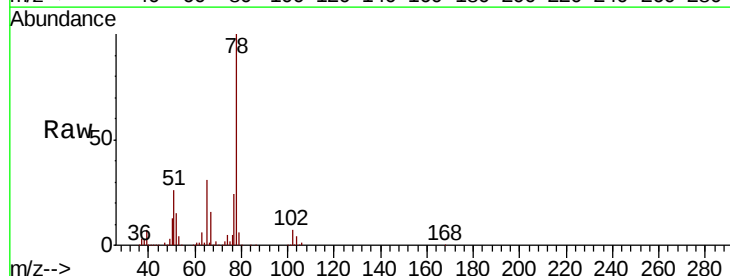
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

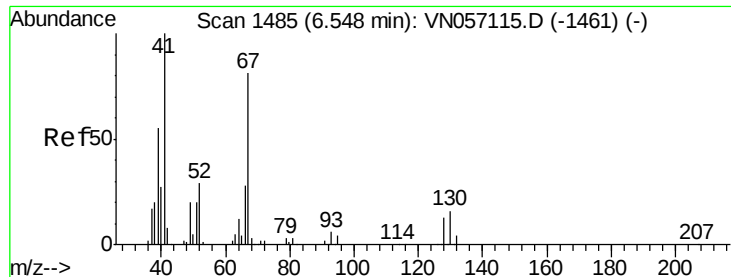
Tgt Ion: 83 Resp: 323611
Ion Ratio Lower Upper
83 100
55 70.0 60.3 90.5
98 46.1 37.9 56.9



#40
Benzene
Concen: 19.904 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion: 78 Resp: 855044
Ion Ratio Lower Upper
78 100
77 23.6 19.2 28.8

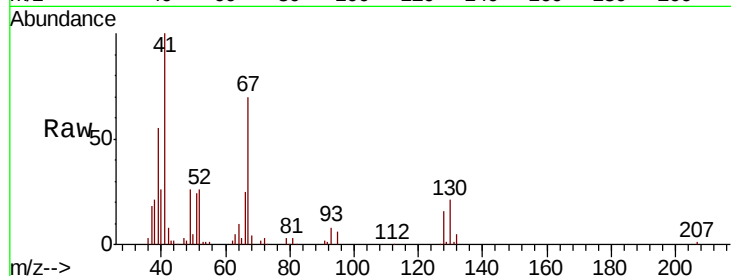




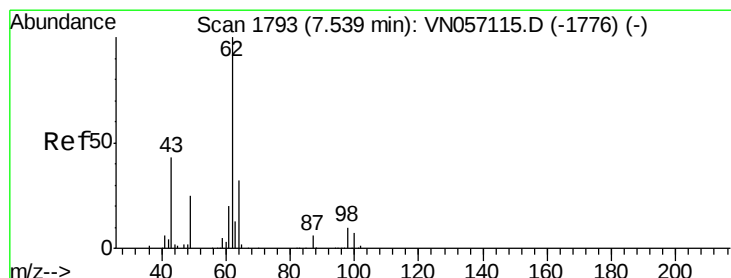
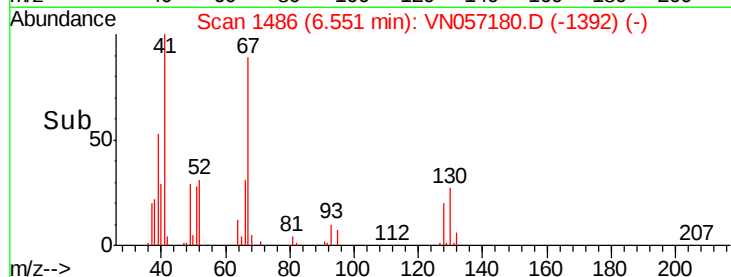
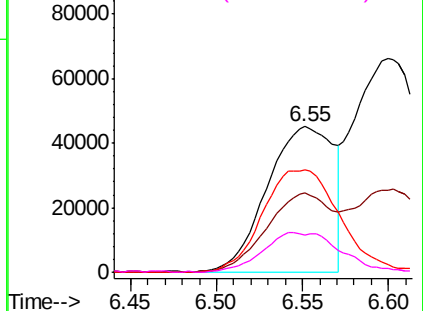
#41
Methacrylonitrile
Concen: 21.369 ug/l
RT: 6.55 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	121421
Ion	Ratio	Lower	Upper
41	100		
39	52.9	44.9	67.3
67	81.9	69.1	103.7
52	30.8	25.8	38.6

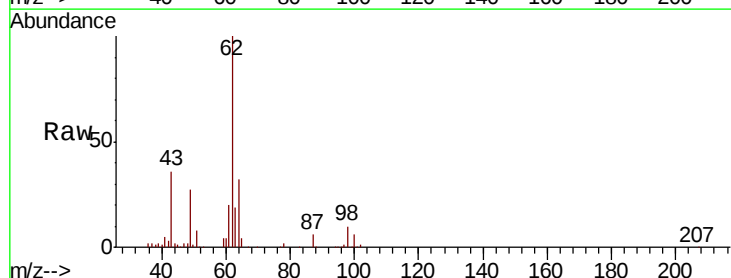


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

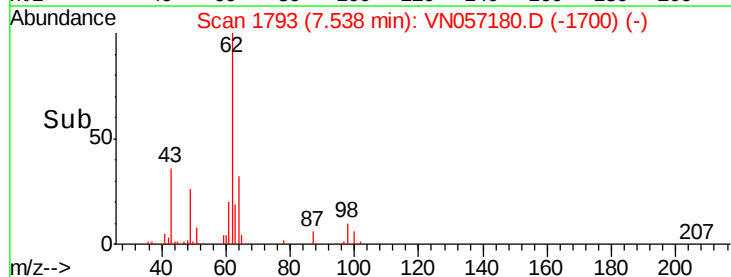
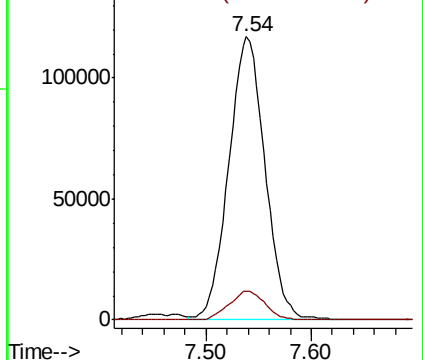


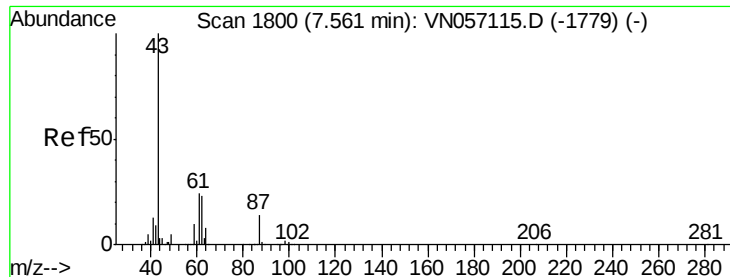
#42
1,2-Dichloroethane
Concen: 20.216 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion:	62	Resp:	276959
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

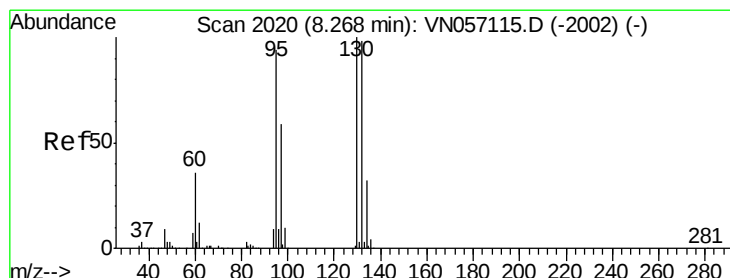
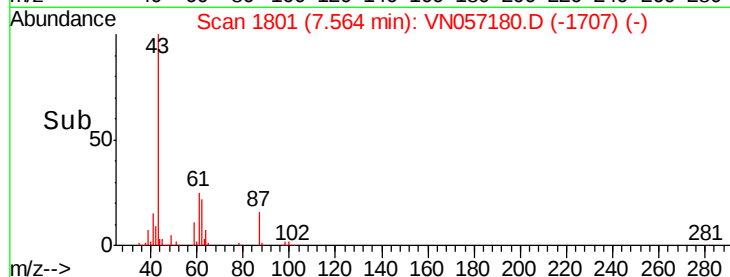
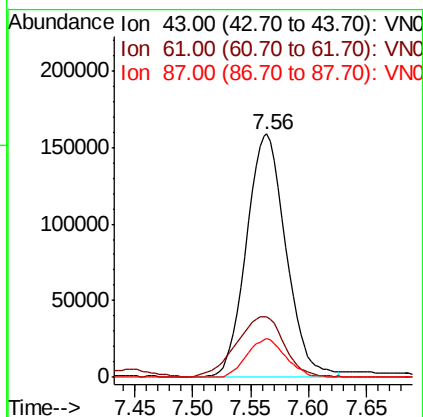
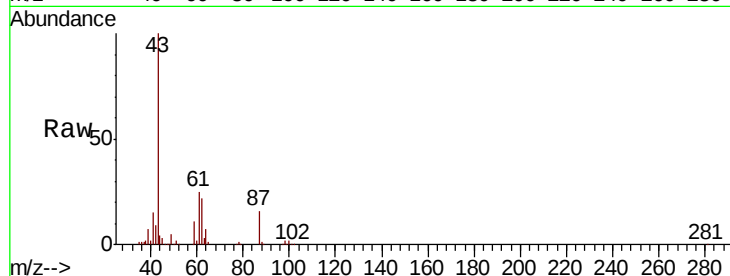




#43
Isopropyl Acetate
Concen: 19.654 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

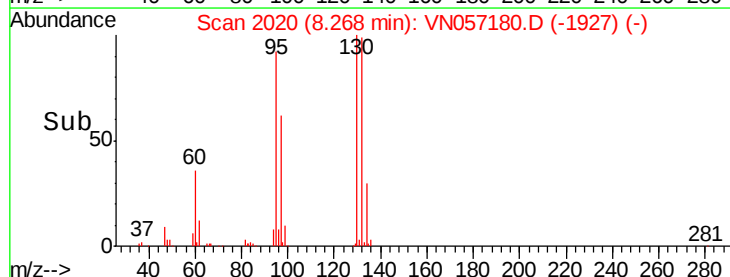
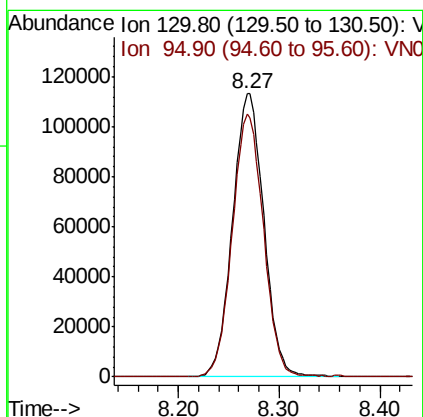
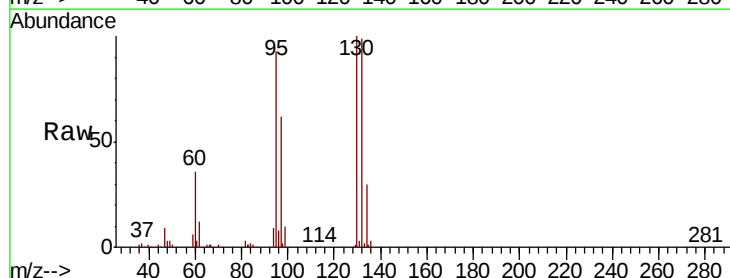
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

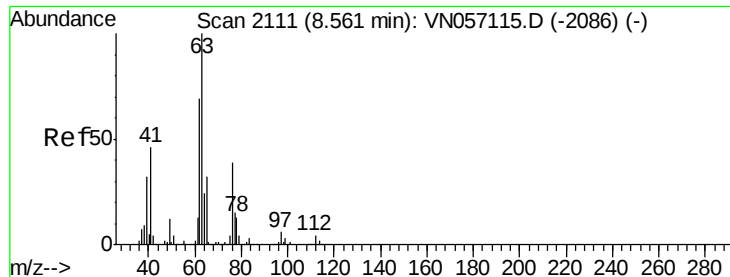
Tgt Ion: 43 Resp: 375170
Ion Ratio Lower Upper
43 100
61 30.7 24.2 36.2
87 15.7 11.8 17.8



#44
Trichloroethene
Concen: 20.266 ug/l
RT: 8.27 min Scan# 2020
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion: 130 Resp: 243904
Ion Ratio Lower Upper
130 100
95 92.7 0.0 187.4





#45

1,2-Dichloropropane

Concen: 19.849 ug/l

RT: 8.56 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

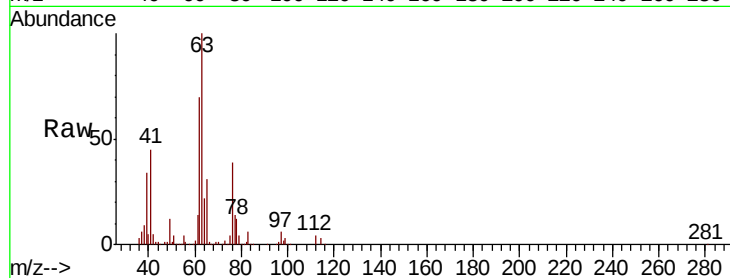
VSTDCCC050

Tgt Ion: 63 Resp: 220775

Ion Ratio Lower Upper

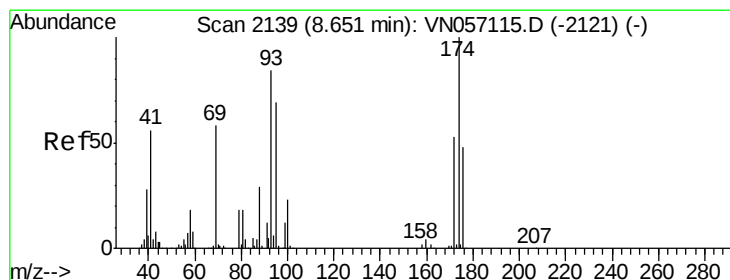
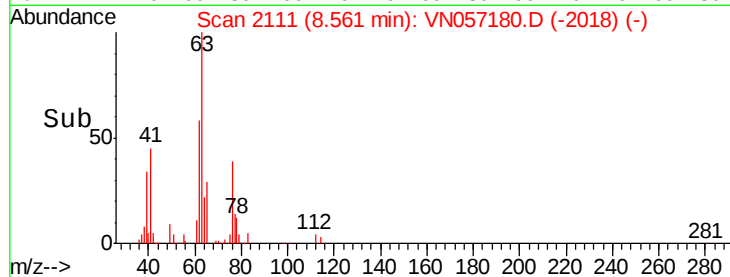
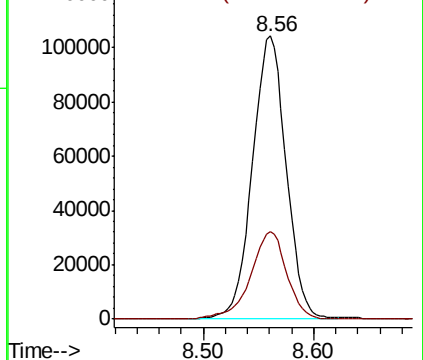
63 100

65 30.7 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VN057180.D (-2018) (-)

Ion 64.90 (64.60 to 65.60): VN057180.D (-2018) (-)



#46

Dibromomethane

Concen: 20.527 ug/l

RT: 8.65 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

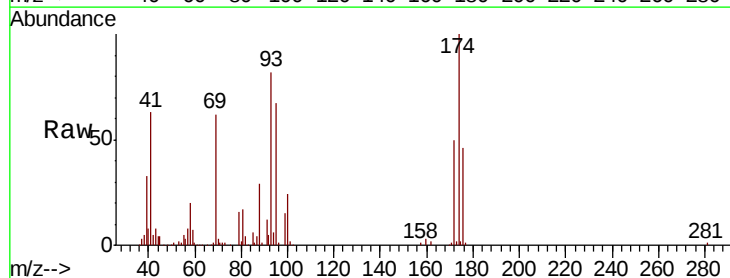
Tgt Ion: 93 Resp: 146397

Ion Ratio Lower Upper

93 100

95 81.3 66.0 99.0

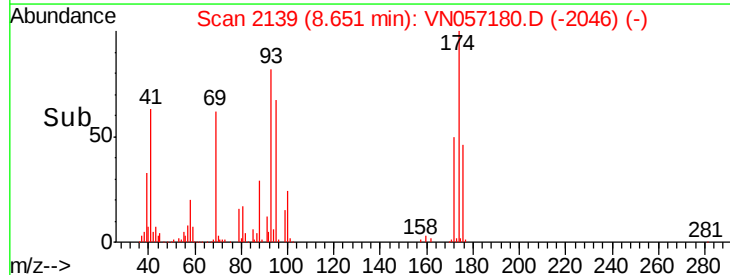
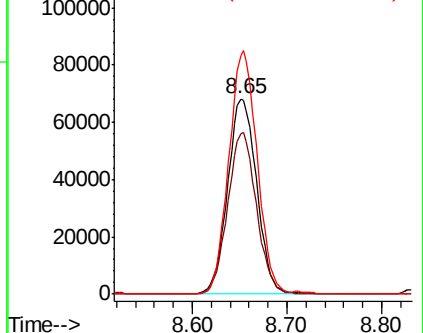
174 121.0 96.0 144.0

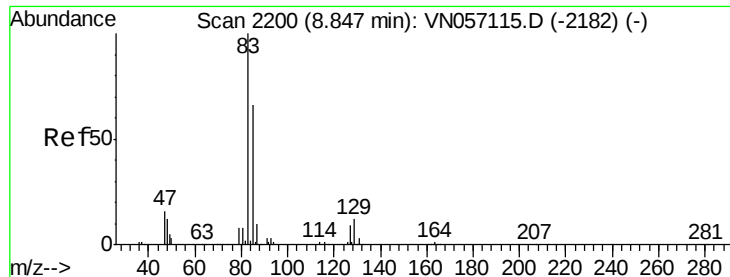


Abundance Ion 92.80 (92.50 to 93.50): VN057180.D (-2046) (-)

Ion 94.80 (94.50 to 95.50): VN057180.D (-2046) (-)

Ion 173.70 (173.40 to 174.40): VN057180.D (-2046) (-)





#47

Bromodichloromethane

Concen: 20.724 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

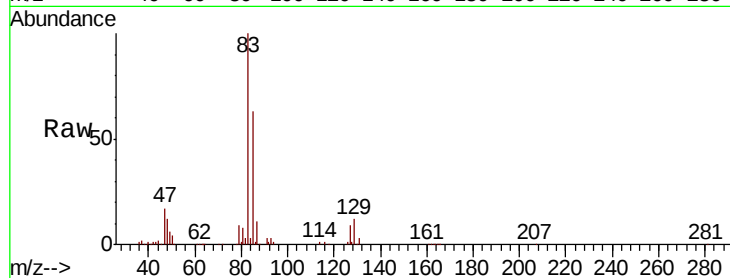
Tgt Ion: 83 Resp: 285980

Ion Ratio Lower Upper

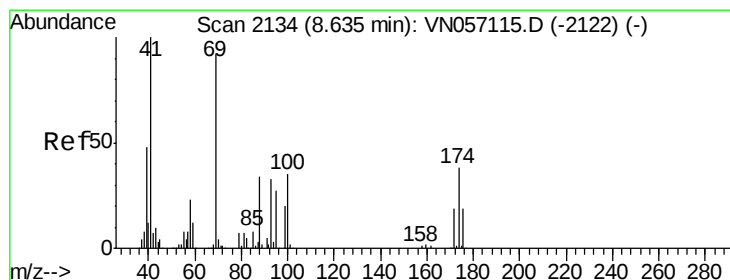
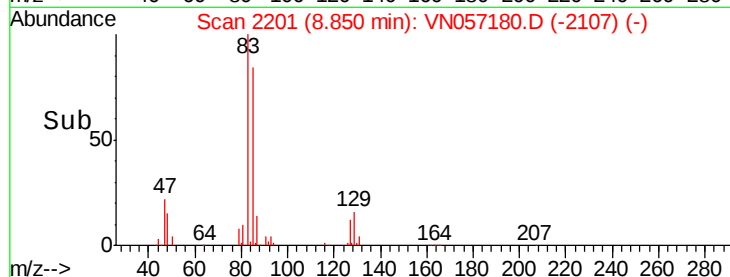
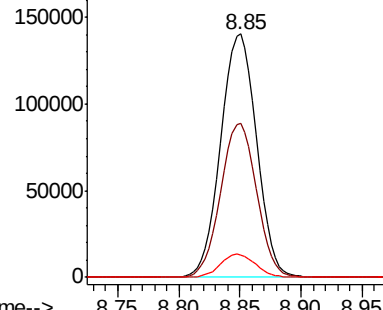
83 100

85 63.0 52.6 78.8

127 9.2 7.5 11.3



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



#48

Methyl methacrylate

Concen: 19.443 ug/l

RT: 8.63 min Scan# 2134

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

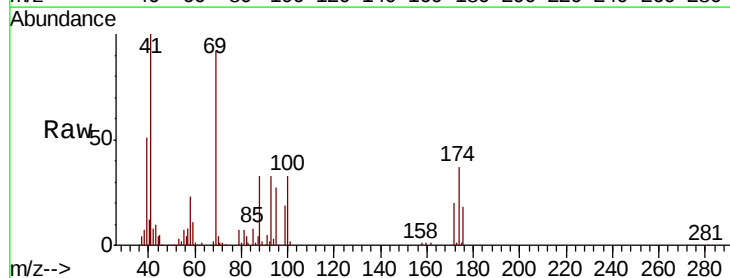
Tgt Ion: 41 Resp: 175015

Ion Ratio Lower Upper

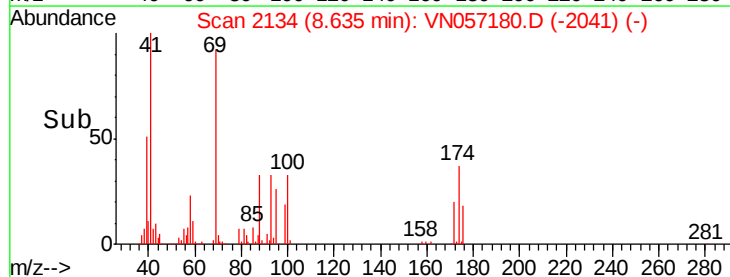
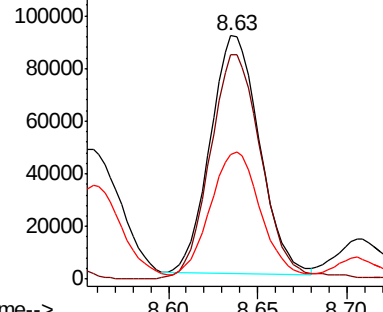
41 100

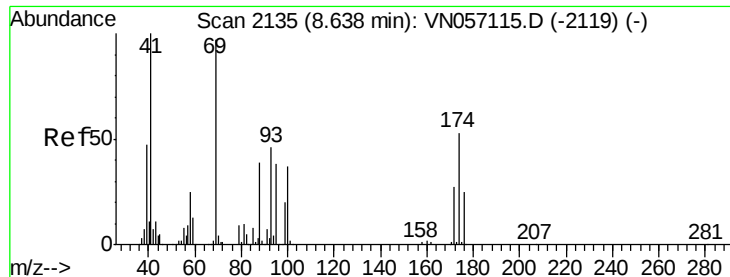
69 98.9 77.5 116.3

39 54.9 39.8 59.6



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

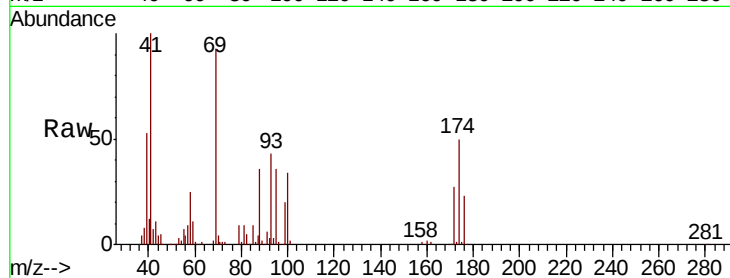




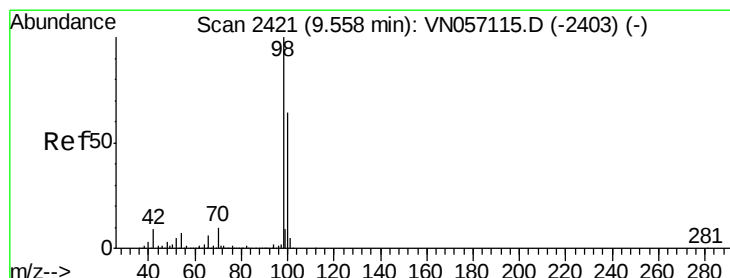
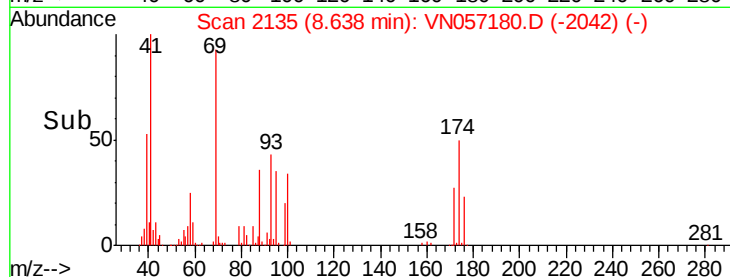
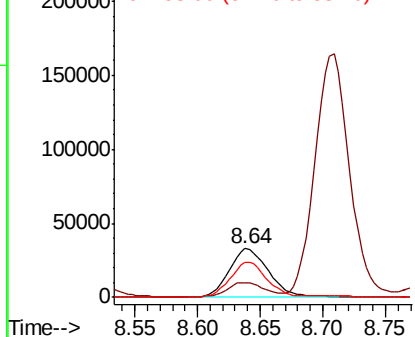
#49
1,4-Dioxane
Concen: 392.808 ug/l
RT: 8.64 min Scan# 2135
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 72013
Ion Ratio Lower Upper
88 100
43 29.2 21.7 32.5
58 66.7 51.1 76.7

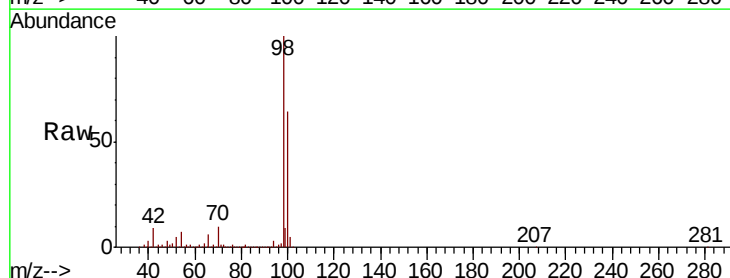


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

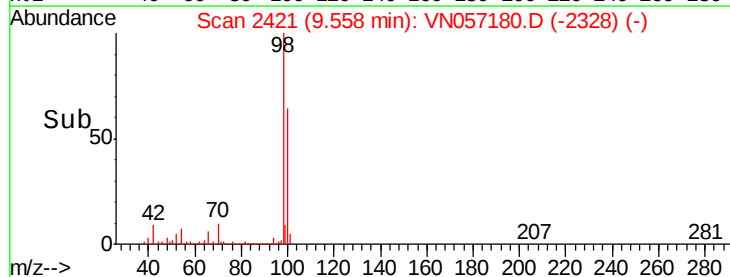
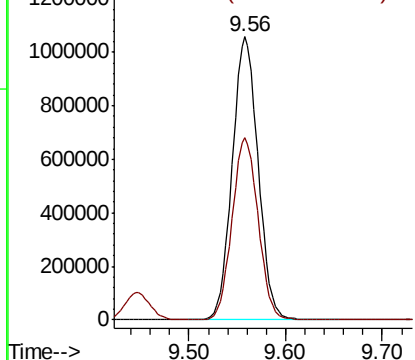


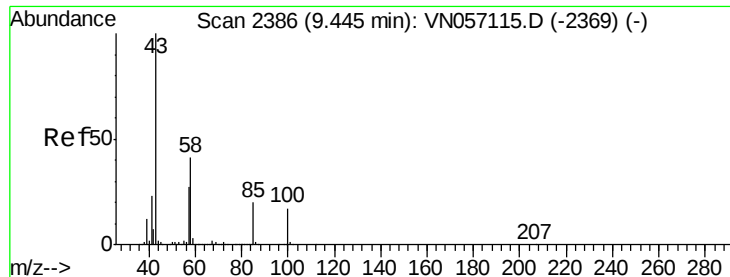
#50
Toluene-d8
Concen: 49.568 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion: 98 Resp: 1961225
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8



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: 99.978 ug/l

RT: 9.45 min Scan# 2386

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

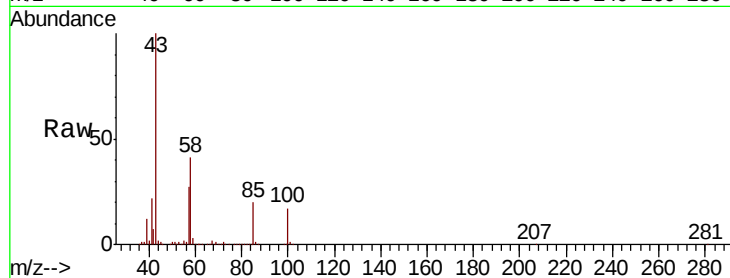
VSTDCCC050

Tgt Ion: 43 Resp: 1110729

Ion Ratio Lower Upper

43 100

58 41.4 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VN057115.D (-2369) (-)

Ion 58.00 (57.70 to 58.70): VN057115.D (-2369) (-)

9.45

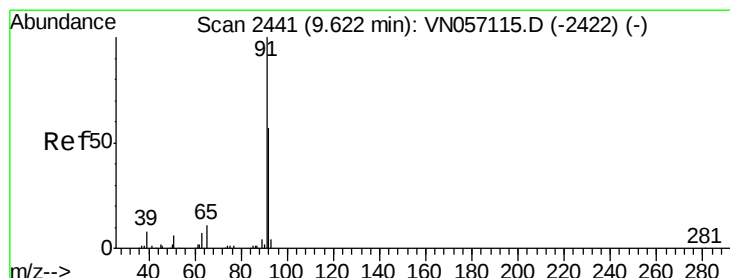
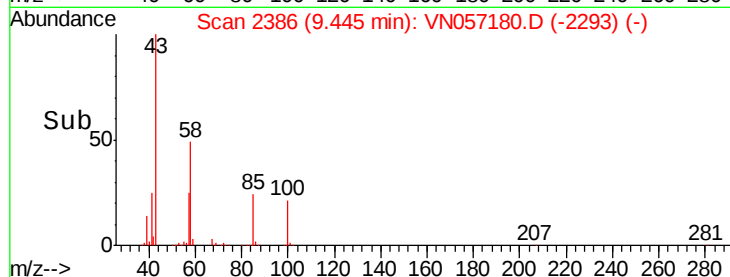
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 20.222 ug/l

RT: 9.63 min Scan# 2442

Delta R.T. 0.00 min

Lab File: VN057180.D

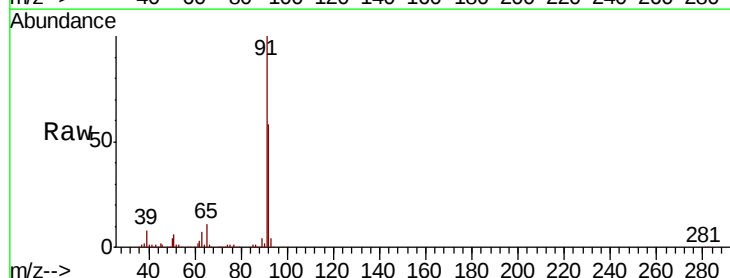
Acq: 11 Aug 2019 12:13

Tgt Ion: 92 Resp: 539211

Ion Ratio Lower Upper

92 100

91 174.0 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VN057115.D (-2422) (-)

Ion 91.00 (90.70 to 91.70): VN057115.D (-2422) (-)

9.63

600000

500000

400000

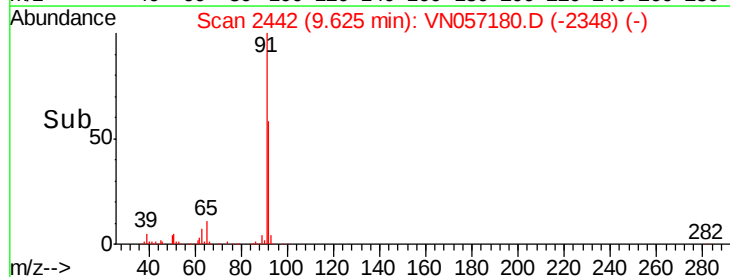
300000

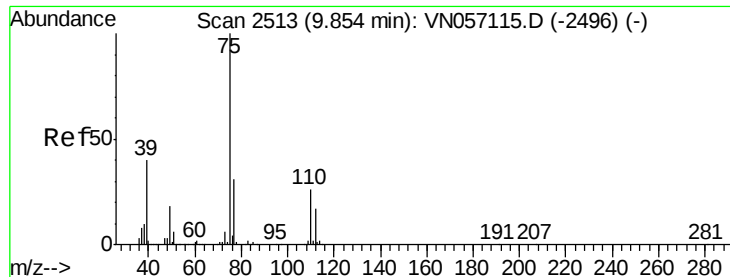
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.159 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

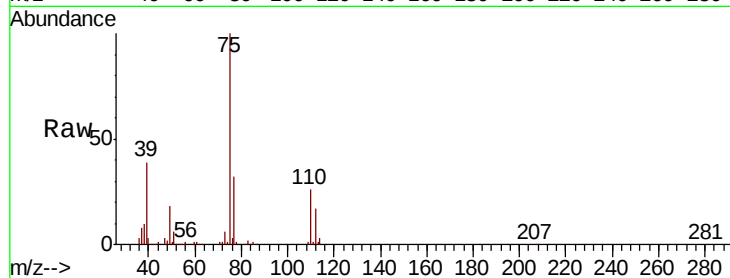
VSTDCCC050

Tgt Ion: 75 Resp: 305039

Ion Ratio Lower Upper

75 100

77 32.1 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

200000

150000

100000

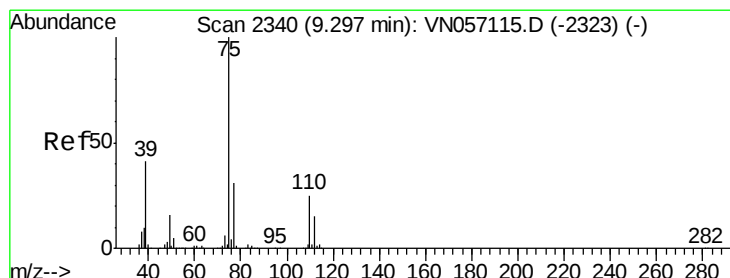
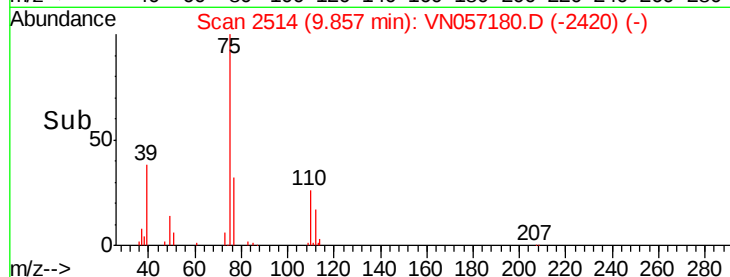
50000

0

9.86

9.80 9.90

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.550 ug/l

RT: 9.30 min Scan# 2341

Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

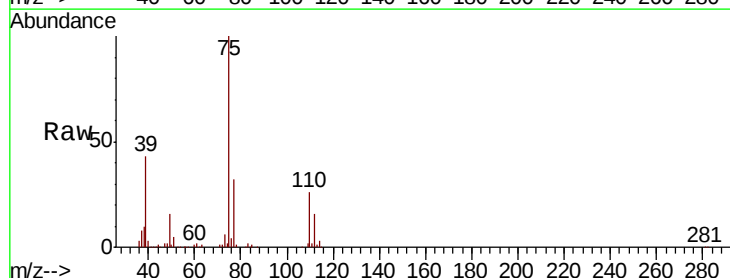
Tgt Ion: 75 Resp: 339938

Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7

39 42.4 32.5 48.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

200000

150000

100000

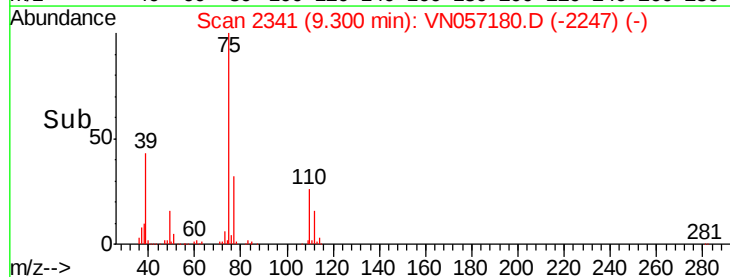
50000

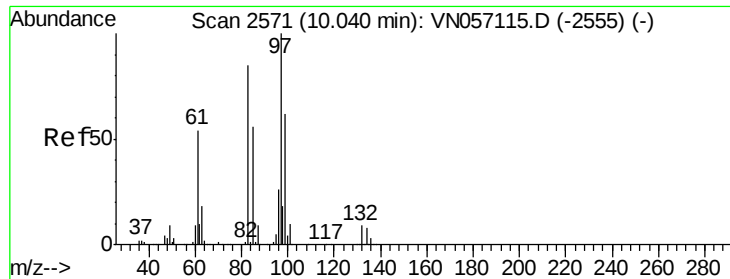
0

9.30

9.20 9.30 9.40

Time-->

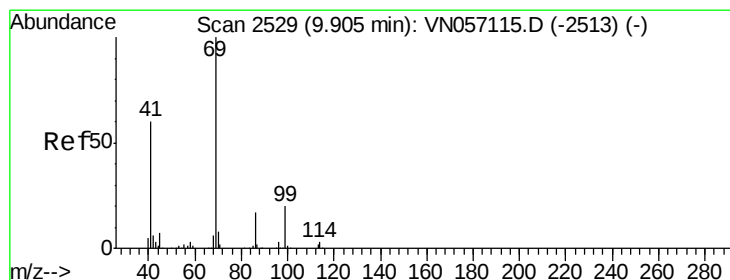
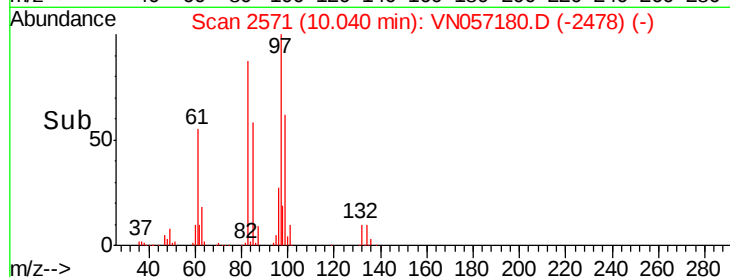
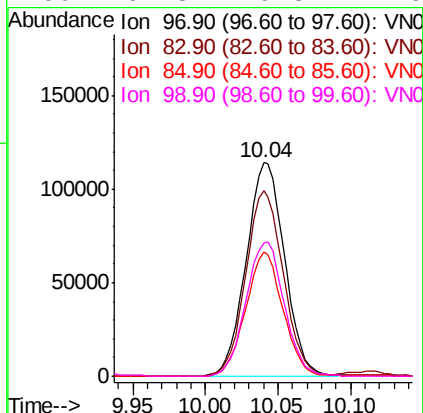
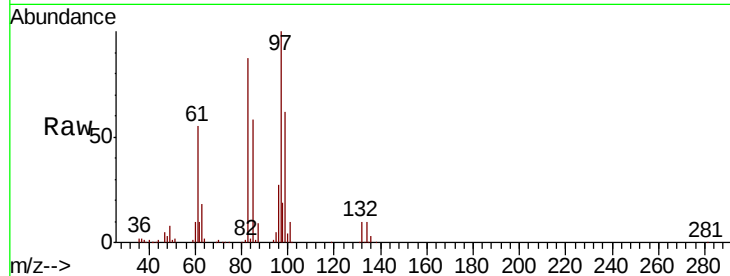




#55
 1,1,2-Trichloroethane
 Concen: 20.082 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

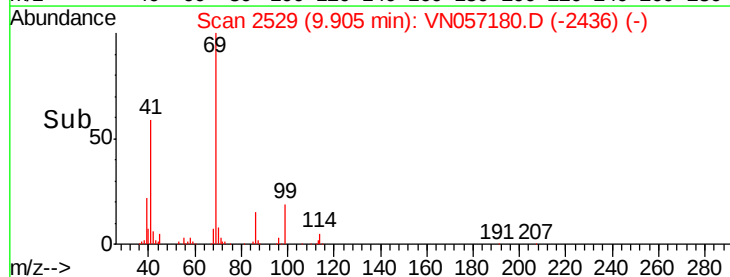
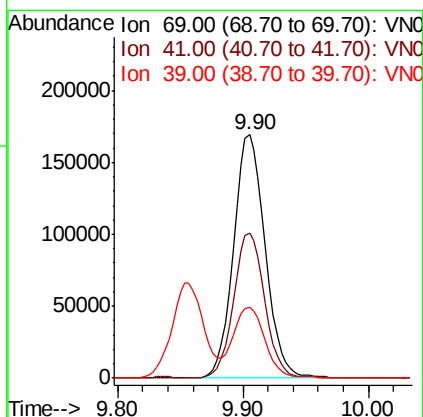
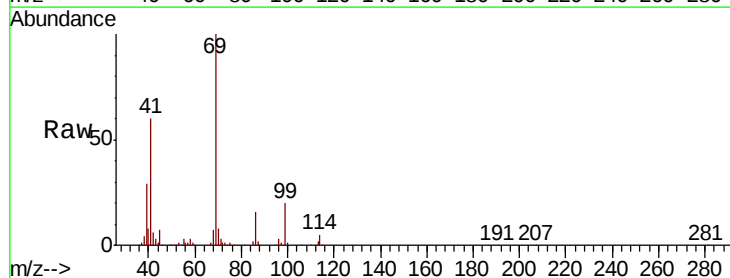
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

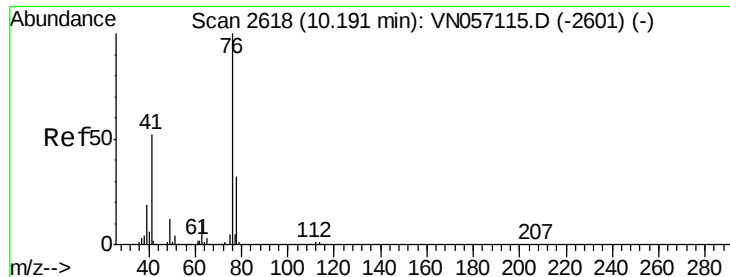
Tgt Ion:	97	Resp:	210570
Ion	Ratio	Lower	Upper
97	100		
83	86.9	67.8	101.8
85	58.2	44.4	66.6
99	62.3	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 20.140 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion:	69	Resp:	295681
Ion	Ratio	Lower	Upper
69	100		
41	58.4	48.1	72.1
39	29.2	23.6	35.4





#57

1,3-Dichloropropane

Concen: 20.016 ug/l

RT: 10.19 min Scan# 2618

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

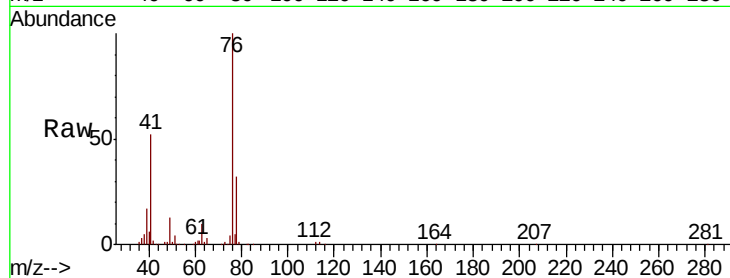
VSTDCCC050

Tgt Ion: 76 Resp: 346112

Ion Ratio Lower Upper

76 100

78 32.5 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.19

200000

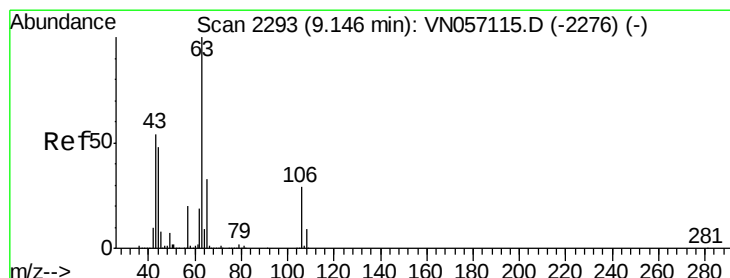
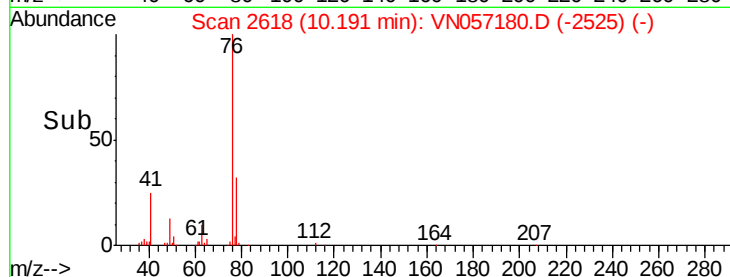
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 66.867 ug/l

RT: 9.15 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VN057180.D

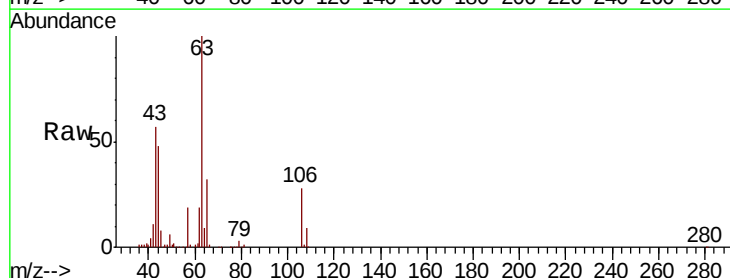
Acq: 11 Aug 2019 12:13

Tgt Ion: 63 Resp: 332093

Ion Ratio Lower Upper

63 100

106 28.2 22.6 33.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.15

200000

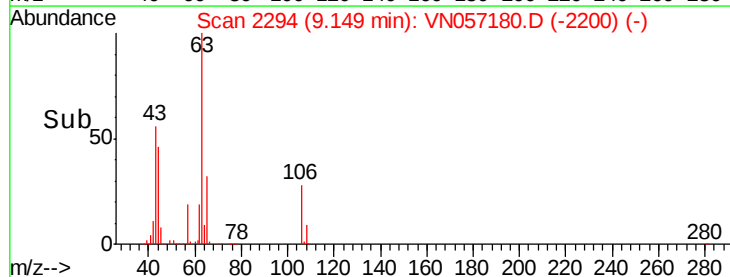
150000

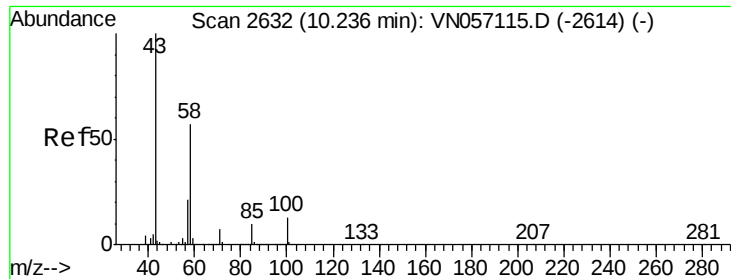
100000

50000

0

Time-->

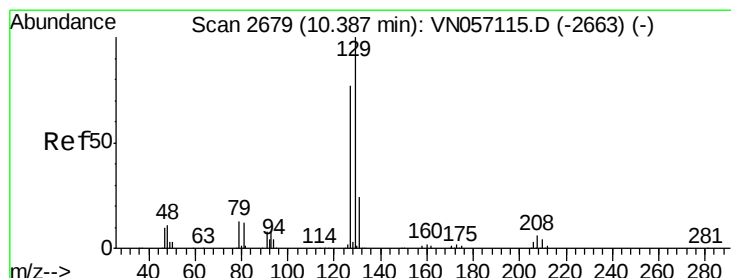
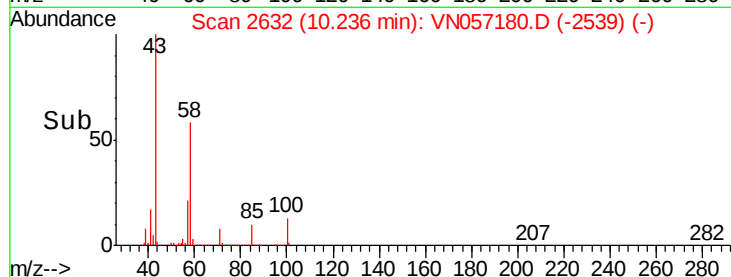
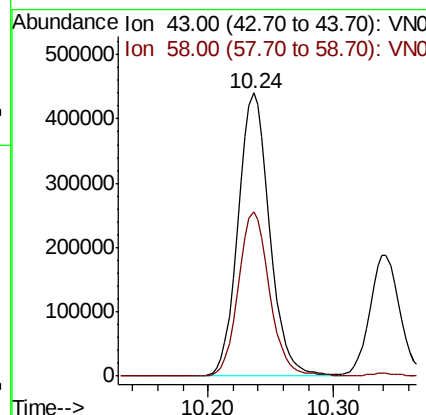
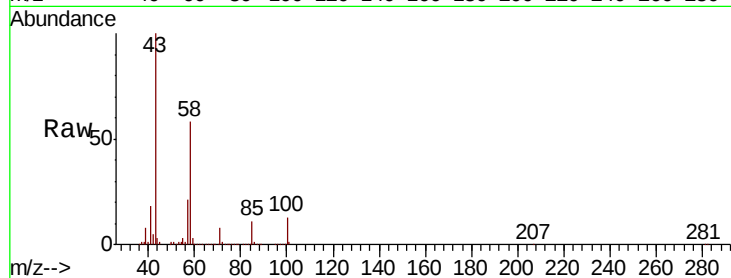




#59
2-Hexanone
Concen: 101.955 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

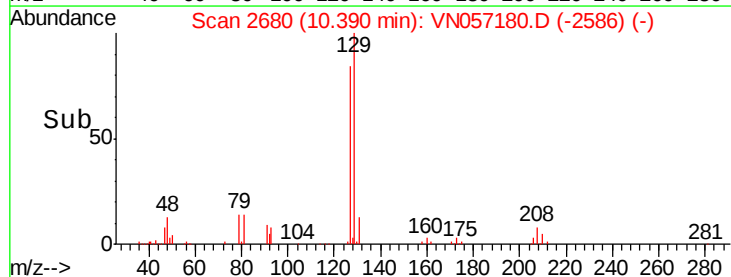
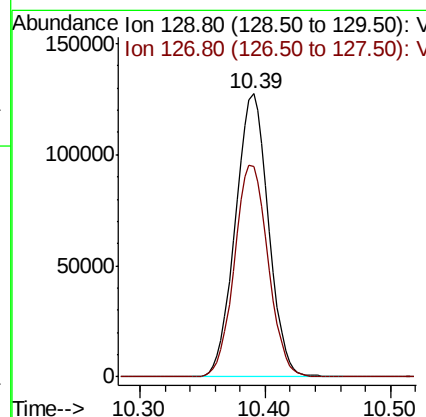
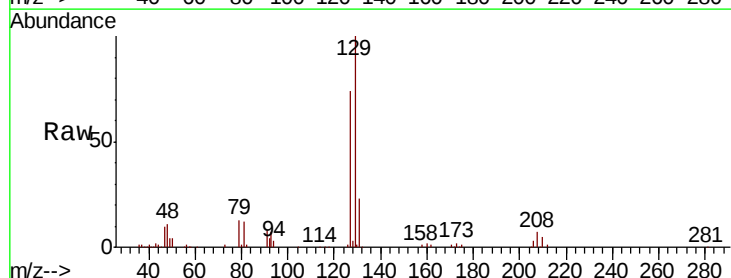
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

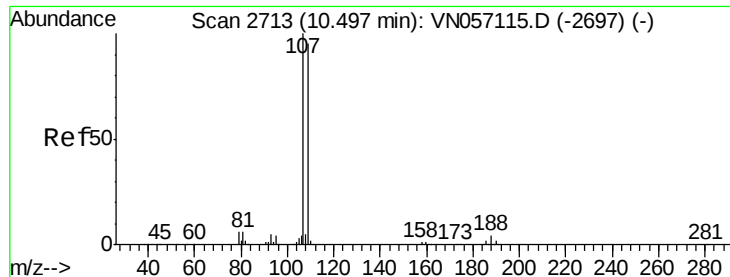
Tgt Ion: 43 Resp: 766594
Ion Ratio Lower Upper
43 100
58 57.7 29.2 87.6



#60
Dibromochloromethane
Concen: 21.238 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion: 129 Resp: 233876
Ion Ratio Lower Upper
129 100
127 76.0 38.6 116.0

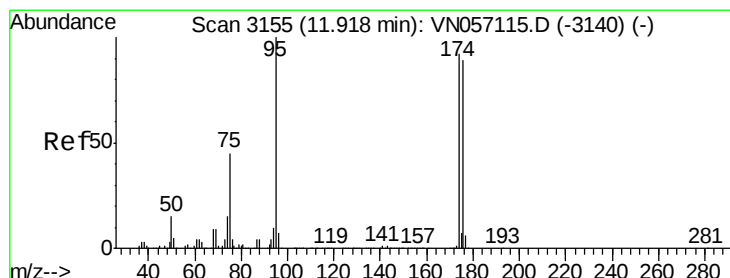
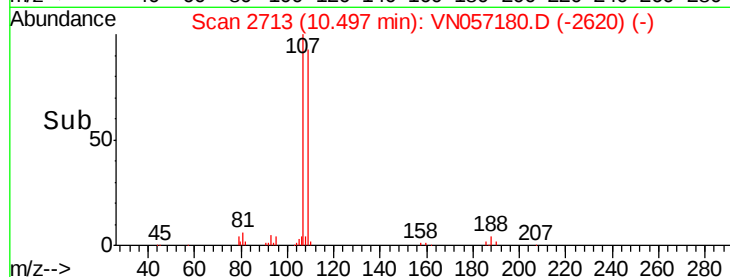
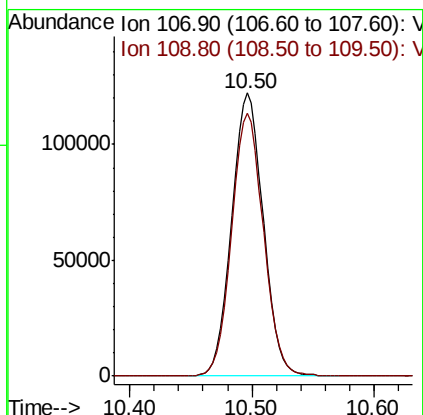
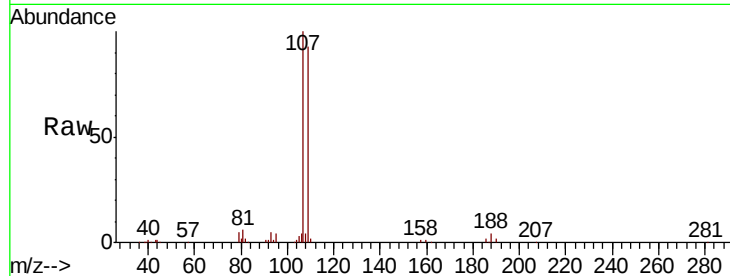




#61
 1,2-Dibromoethane
 Concen: 20.295 ug/l
 RT: 10.50 min Scan# 2713
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

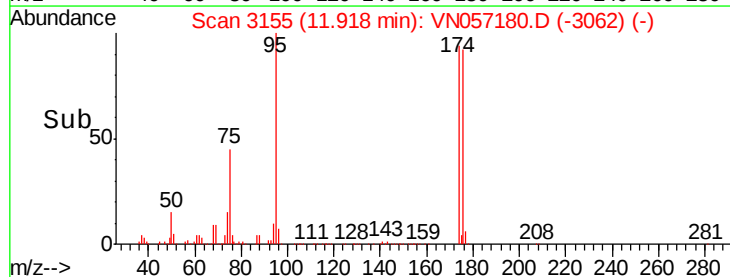
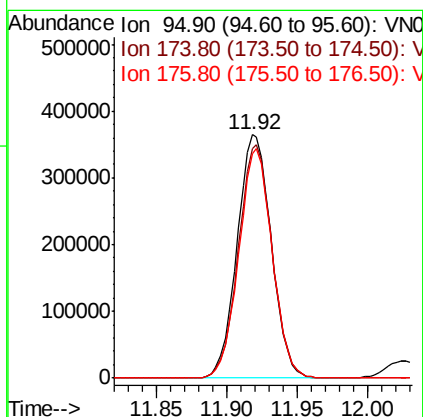
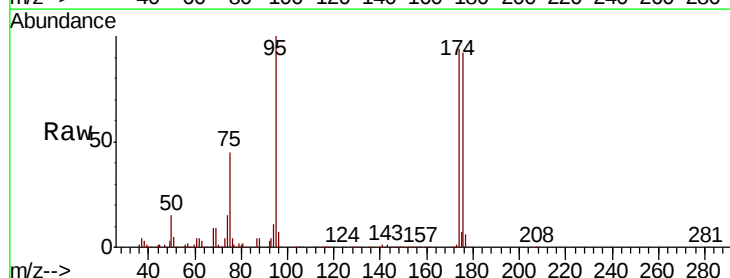
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

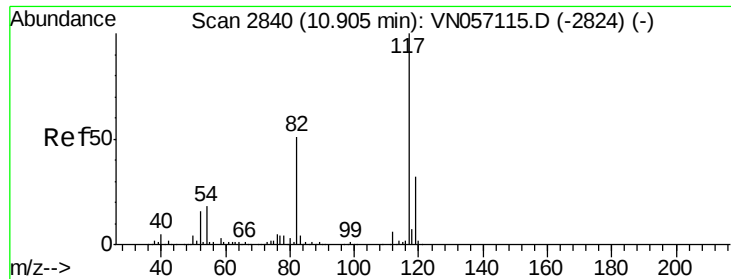
Tgt Ion: 107 Resp: 219592
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 48.531 ug/l
 RT: 11.92 min Scan# 3155
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion: 95 Resp: 618707
 Ion Ratio Lower Upper
 95 100
 174 94.6 0.0 185.0
 176 92.1 0.0 181.2

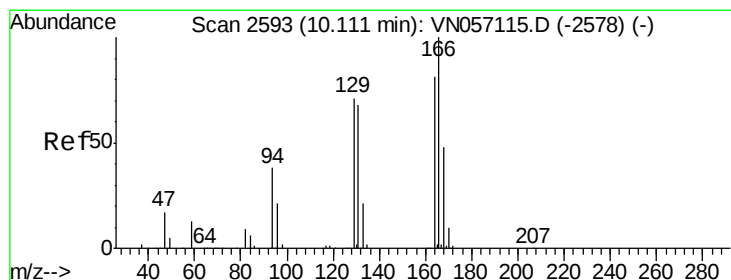
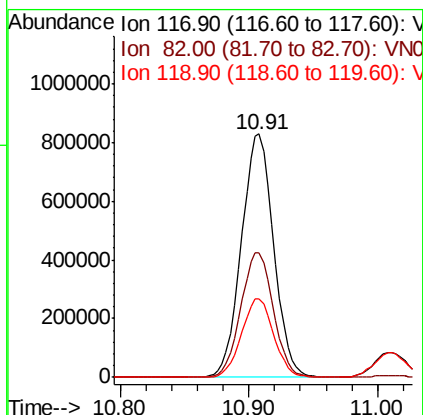
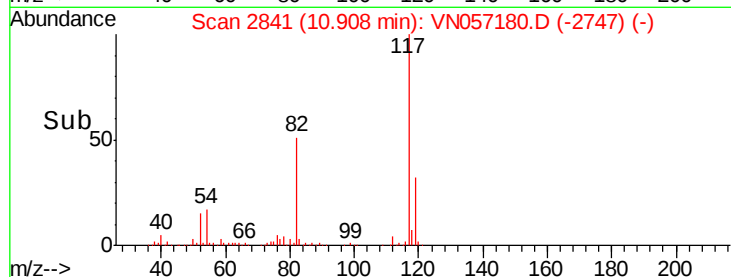
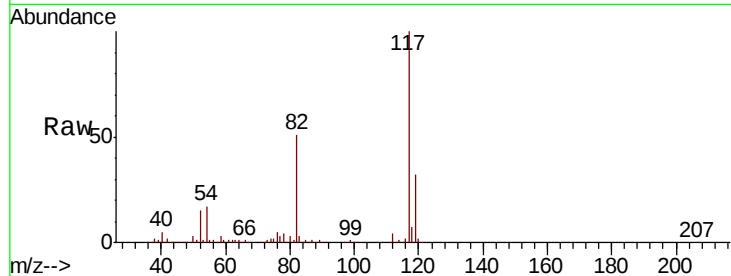




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

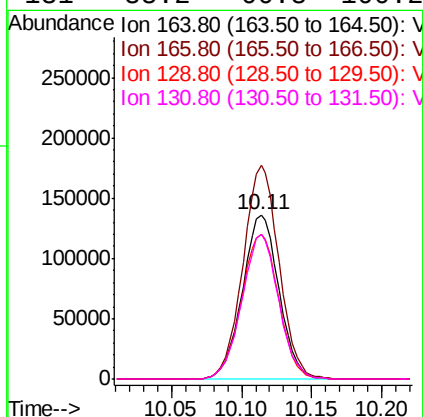
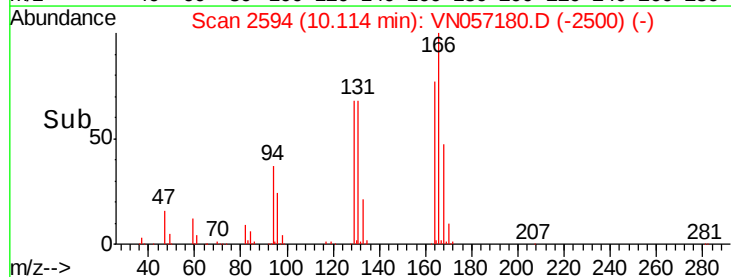
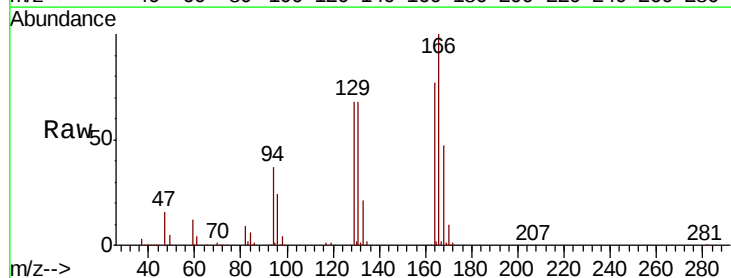
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

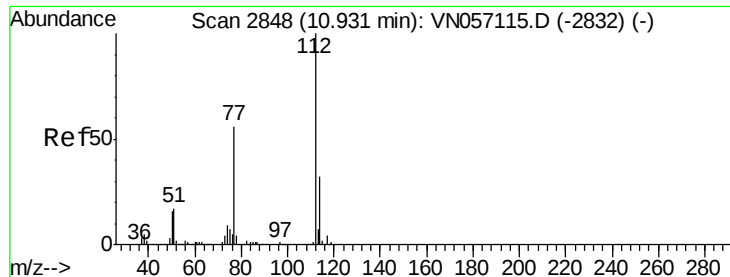
Tgt Ion:117 Resp: 1443561
Ion Ratio Lower Upper
117 100
82 51.0 40.8 61.2
119 32.5 25.7 38.5



#64
Tetrachloroethene
Concen: 20.512 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion:164 Resp: 246251
Ion Ratio Lower Upper
164 100
166 129.9 98.3 147.5
129 88.3 69.8 104.6
131 88.2 66.8 100.2





#65

Chlorobenzene

Concen: 19.910 ug/l

RT: 10.93 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

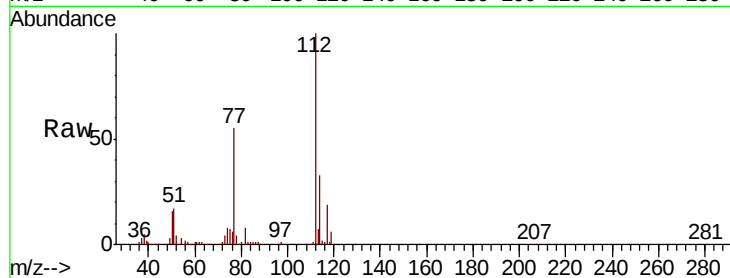
VSTDCCC050

Tgt Ion:112 Resp: 578288

Ion Ratio Lower Upper

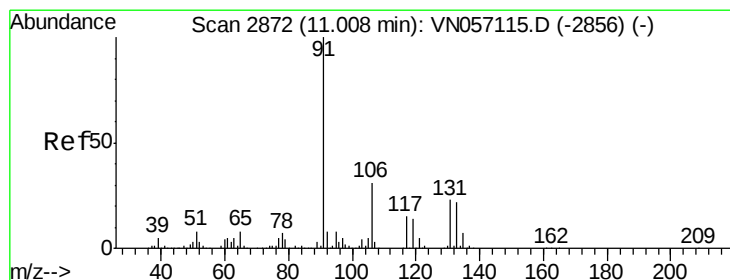
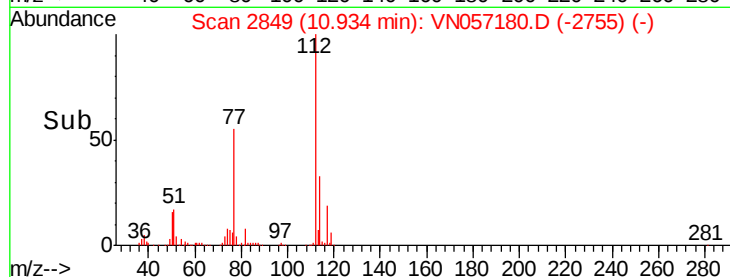
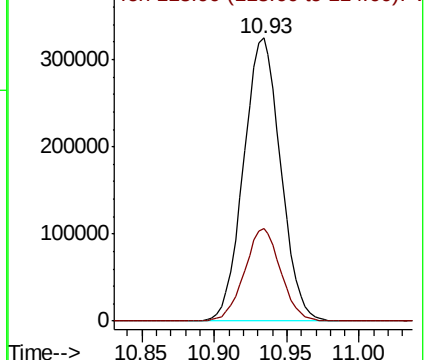
112 100

114 32.8 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.598 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

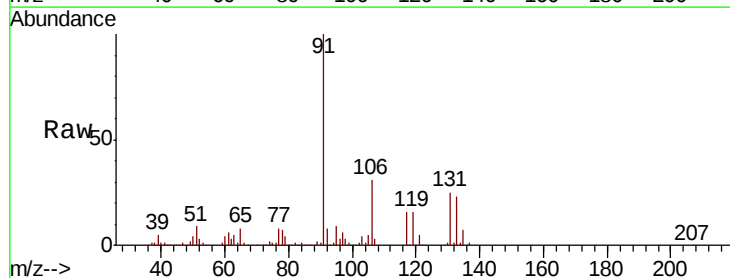
Tgt Ion:131 Resp: 223669

Ion Ratio Lower Upper

131 100

133 96.0 47.6 142.8

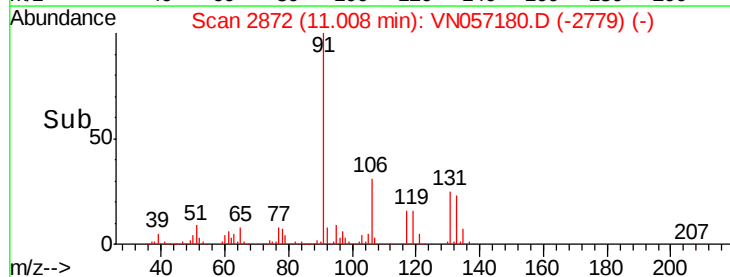
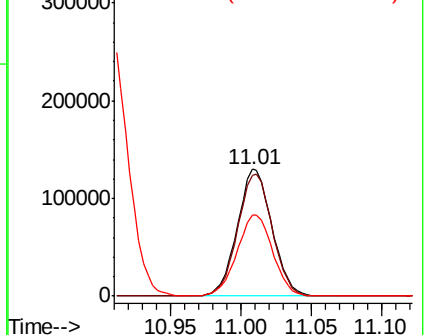
119 66.1 32.6 97.7

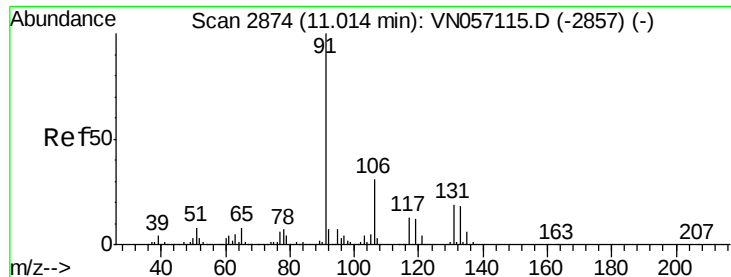


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

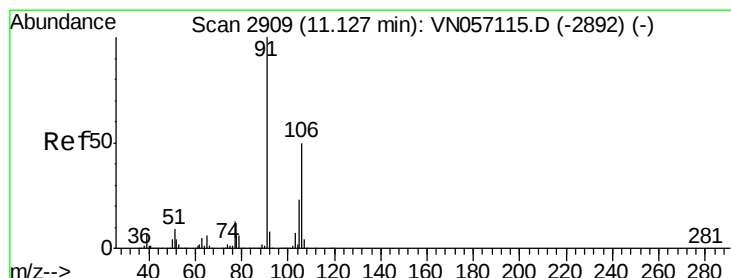
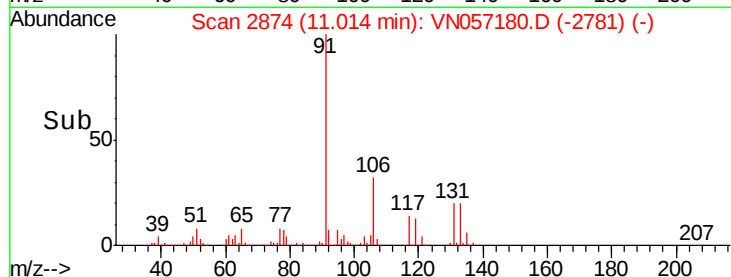
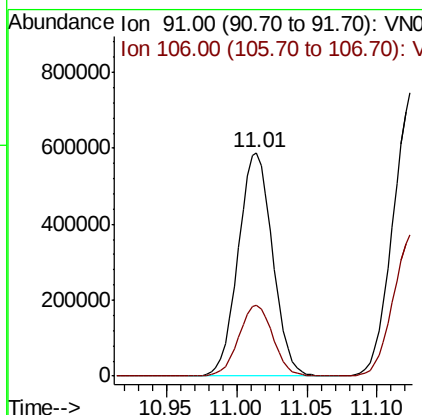
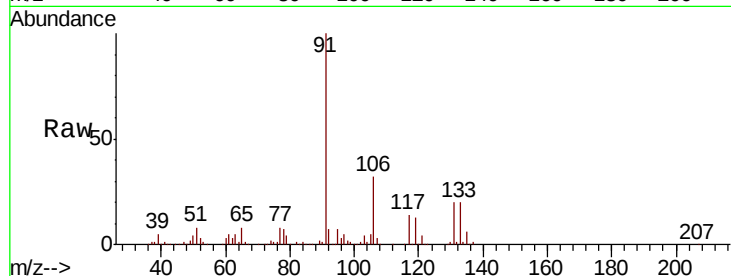




#67
Ethyl Benzene
Concen: 20.109 ug/l
RT: 11.01 min Scan# 2874
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

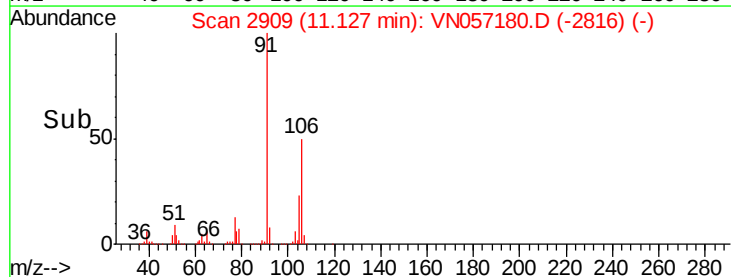
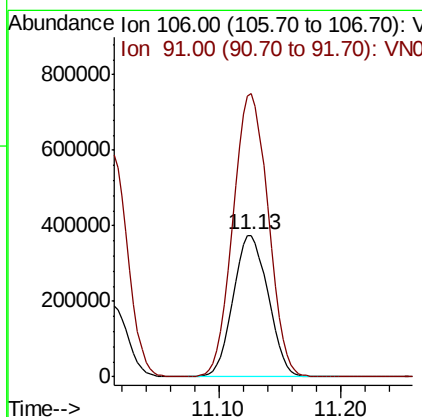
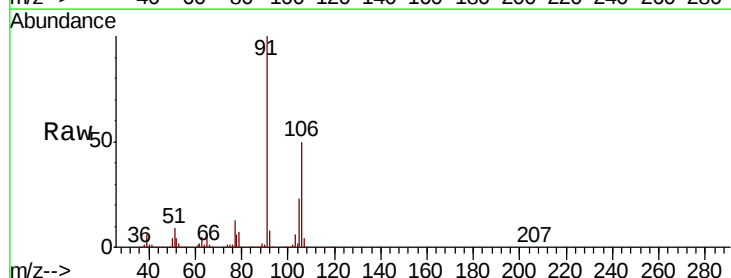
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

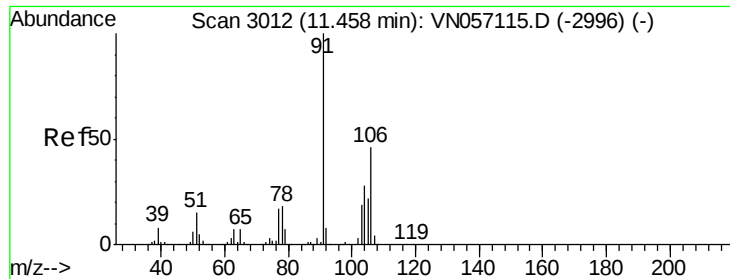
Tgt Ion: 91 Resp: 1005257
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.4



#68
m/p-Xylenes
Concen: 40.452 ug/l
RT: 11.13 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion: 106 Resp: 744990
Ion Ratio Lower Upper
106 100
91 201.0 159.8 239.8

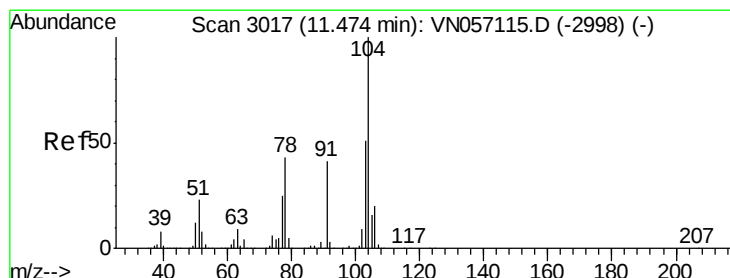
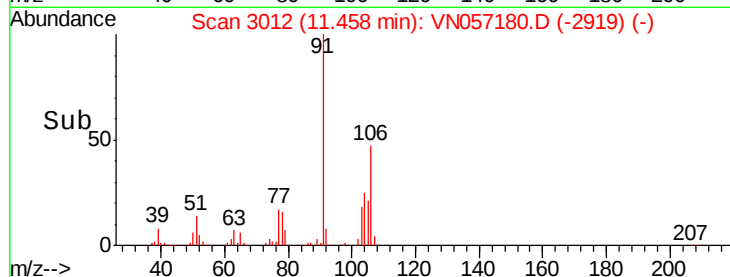
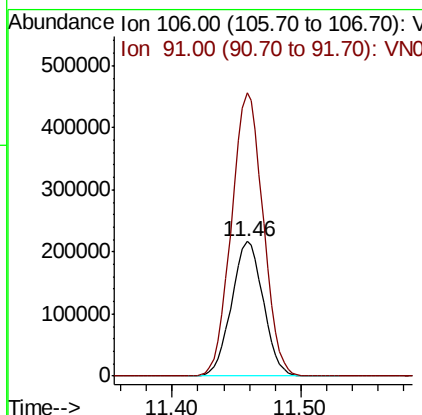
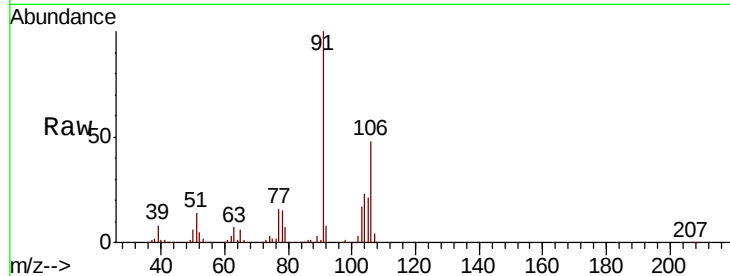




#69
o-Xylene
Concen: 20.158 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

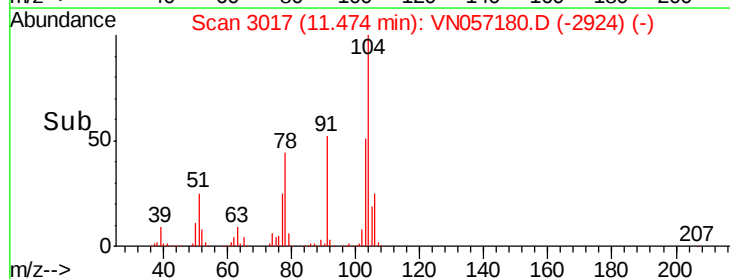
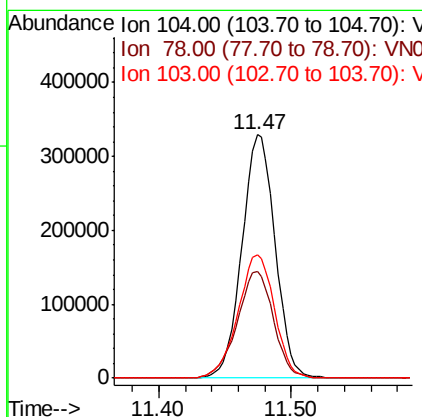
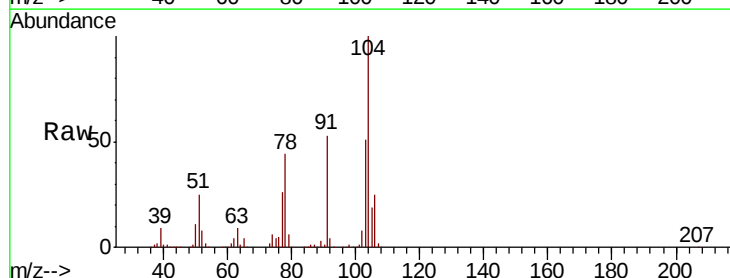
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

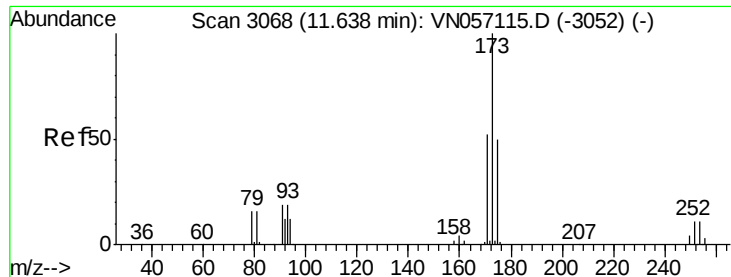
Tgt Ion:106 Resp: 369475
Ion Ratio Lower Upper
106 100
91 210.0 106.8 320.5



#70
Styrene
Concen: 20.020 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion:104 Resp: 573157
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 55.8 44.6 66.8





#71

Bromoform

Concen: 20.891 ug/l

RT: 11.64 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

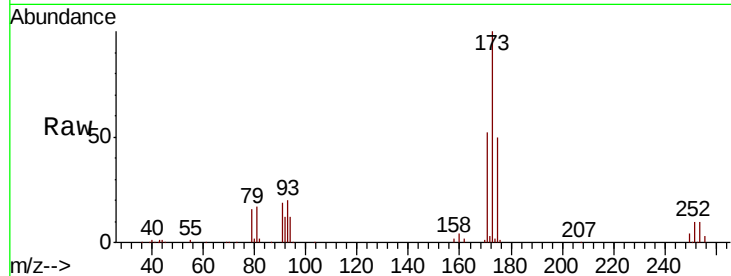
Tgt Ion:173 Resp: 166178

Ion Ratio Lower Upper

173 100

175 48.3 24.6 73.8

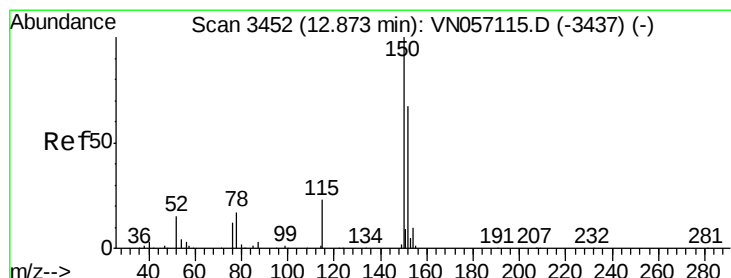
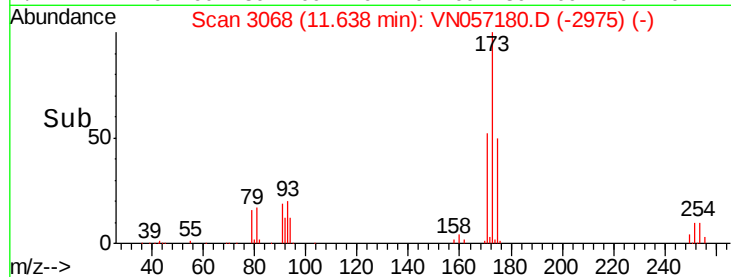
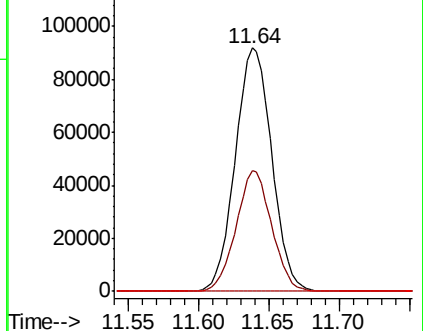
254 0.0 0.1 0.1#



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: 12.87 min Scan# 3452

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

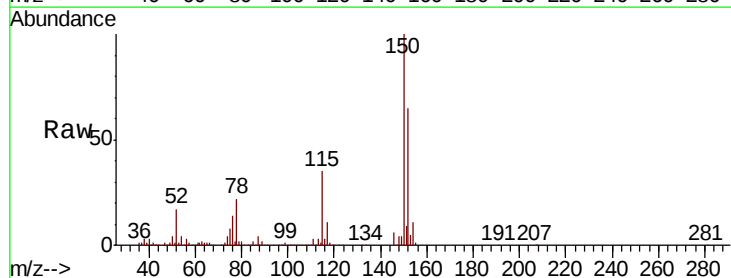
Tgt Ion:152 Resp: 506597

Ion Ratio Lower Upper

152 100

115 54.7 27.5 82.5

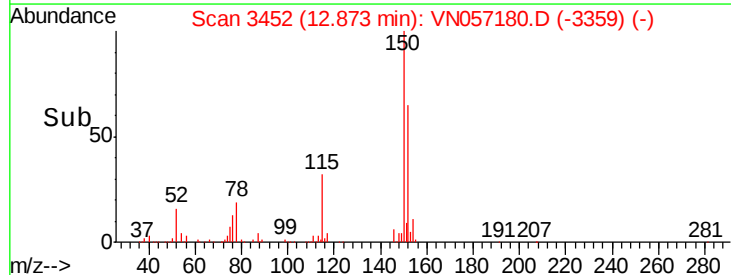
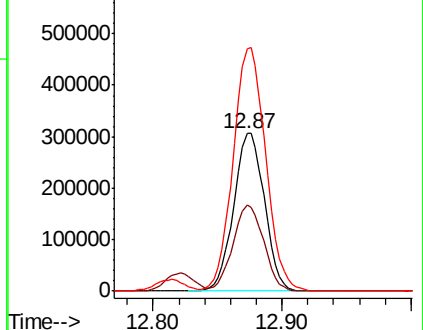
150 163.6 0.0 341.6

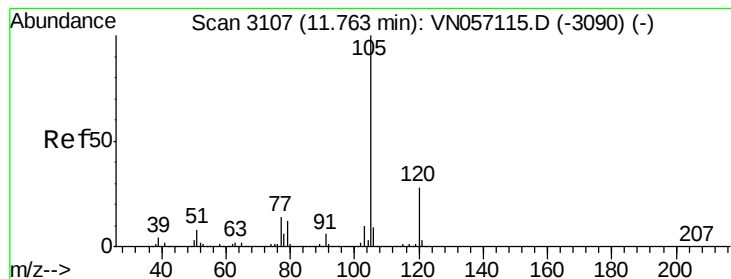


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.254 ug/l

RT: 11.77 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

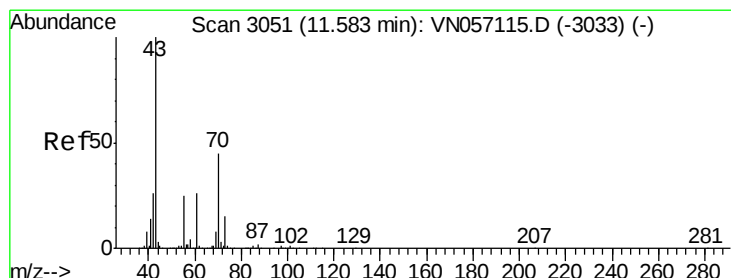
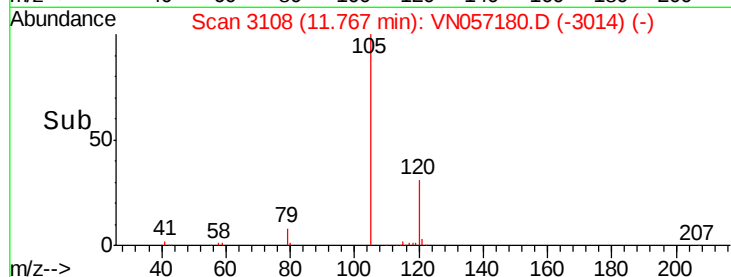
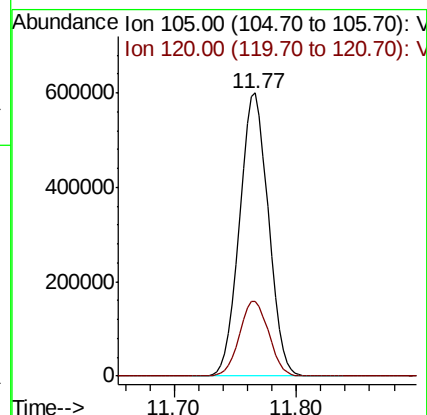
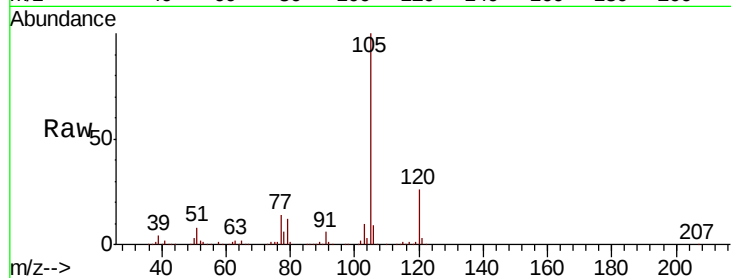
VSTDCCC050

Tgt Ion: 105 Resp: 978664

Ion Ratio Lower Upper

105 100

120 27.0 13.7 41.0



#74

N-ethyl acetate

Concen: 20.827 ug/l

RT: 11.59 min Scan# 3052

Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Tgt Ion: 43 Resp: 267371

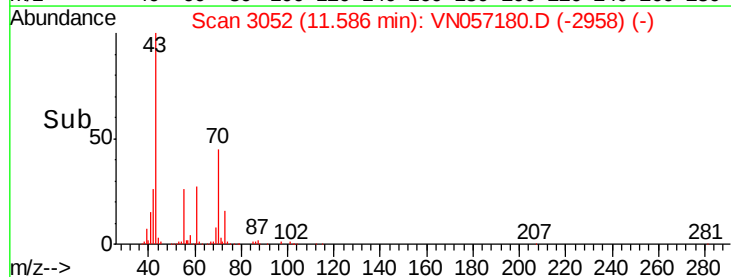
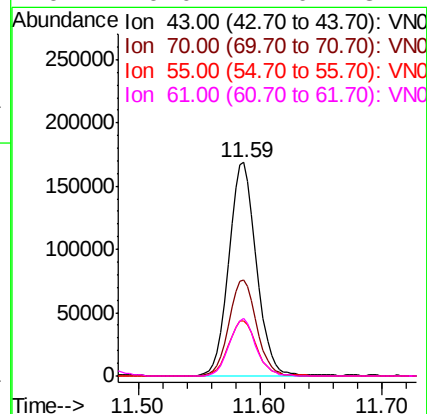
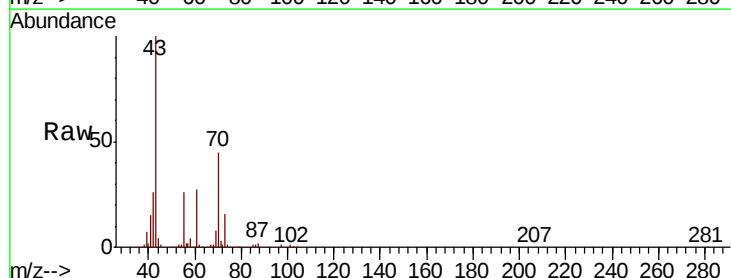
Ion Ratio Lower Upper

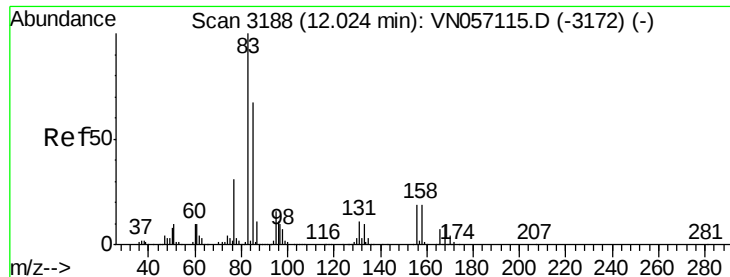
43 100

70 45.0 36.8 55.2

55 26.2 20.6 31.0

61 26.0 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.940 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

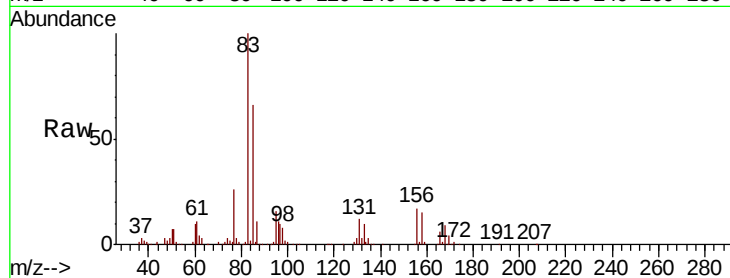
Tgt Ion: 83 Resp: 278656

Ion Ratio Lower Upper

83 100

131 11.6 5.5 16.4

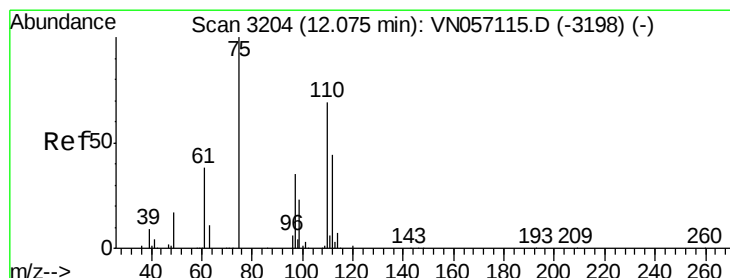
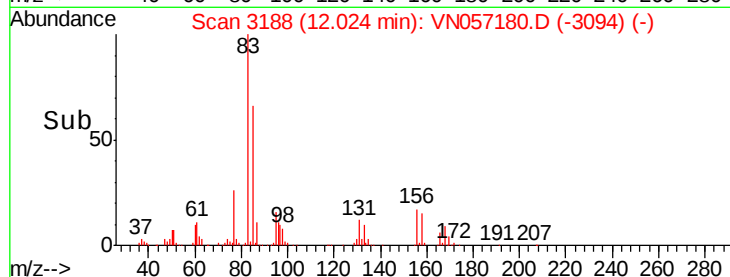
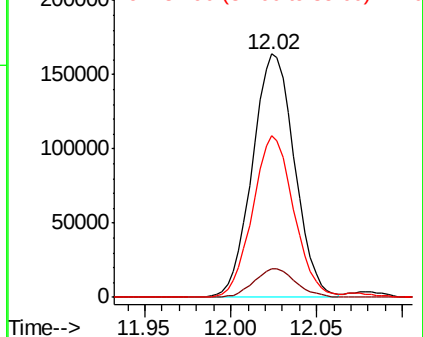
85 64.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 32.027 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN057180.D

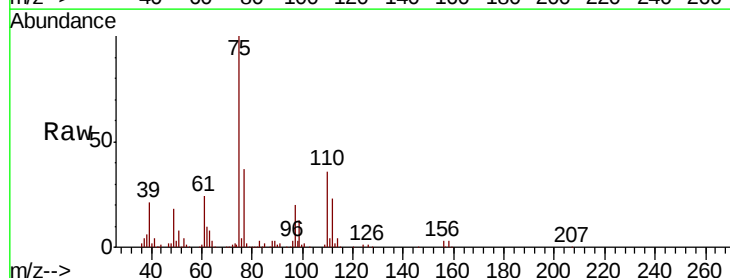
Acq: 11 Aug 2019 12:13

Tgt Ion: 75 Resp: 327214

Ion Ratio Lower Upper

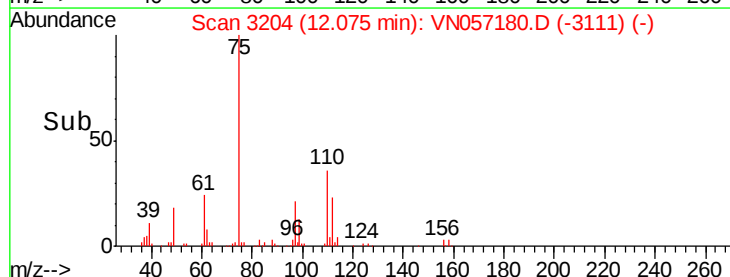
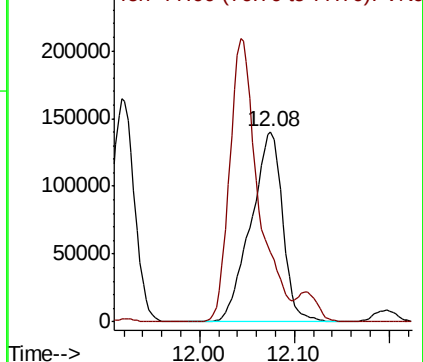
75 100

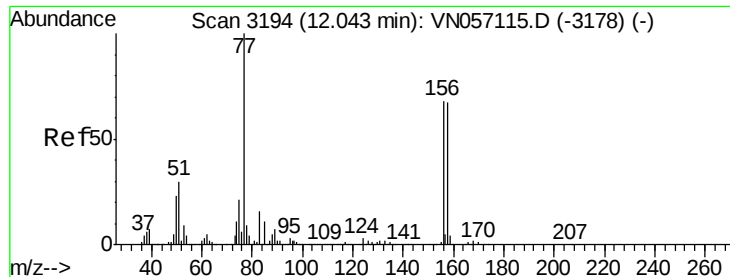
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.610 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

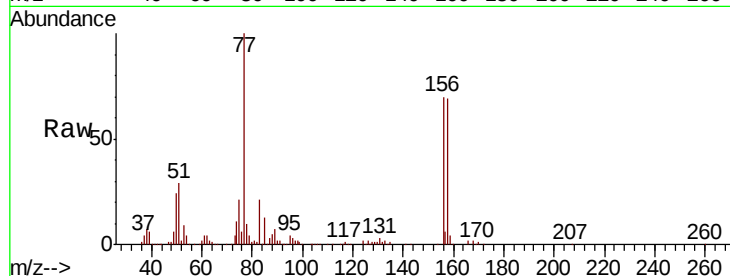
Tgt Ion:156 Resp: 250955

Ion Ratio Lower Upper

156 100

77 175.3 88.7 266.1

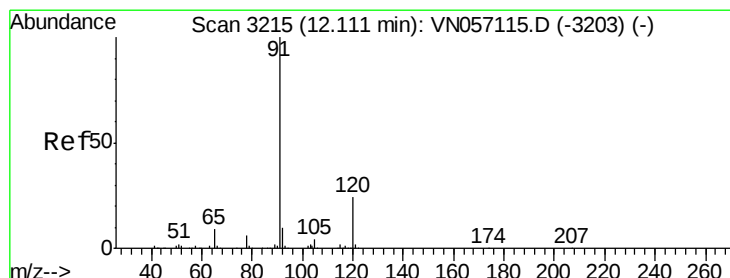
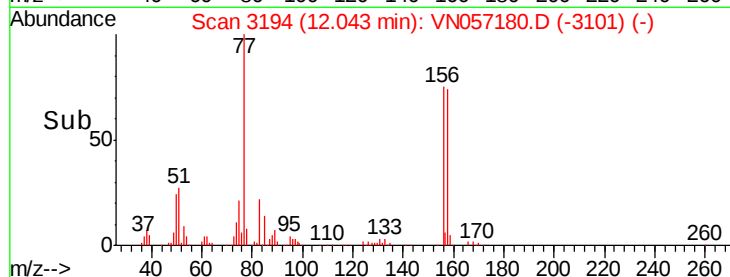
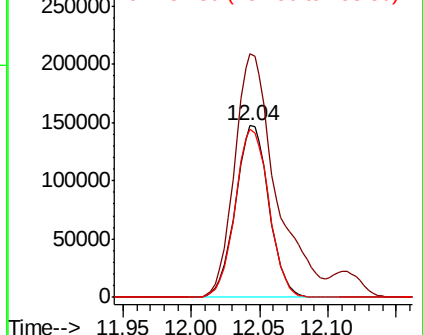
158 98.9 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.196 ug/l

RT: 12.11 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VN057180.D

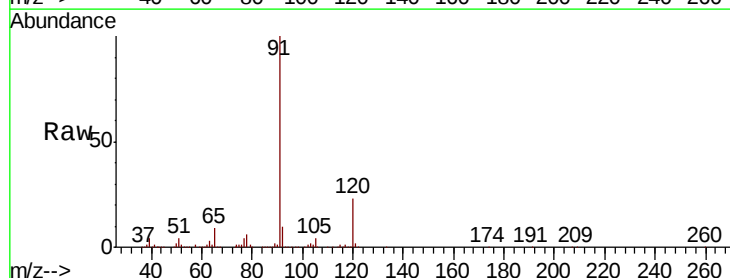
Acq: 11 Aug 2019 12:13

Tgt Ion: 91 Resp: 981528

Ion Ratio Lower Upper

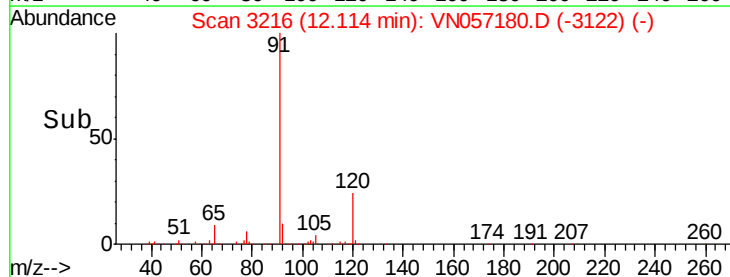
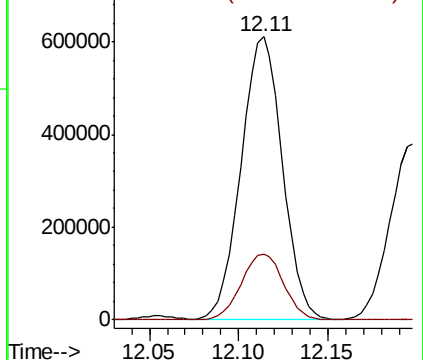
91 100

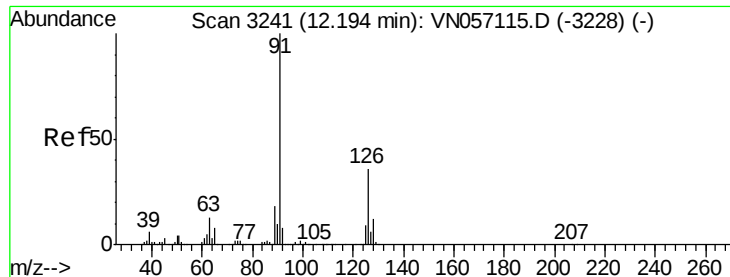
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

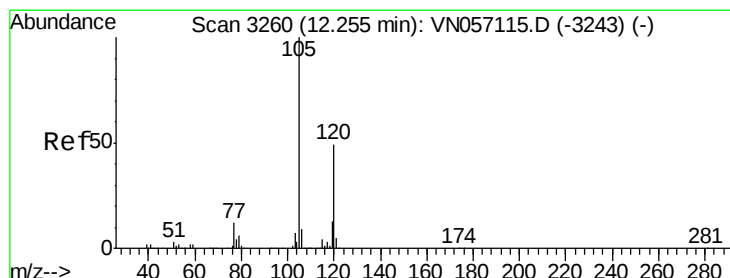
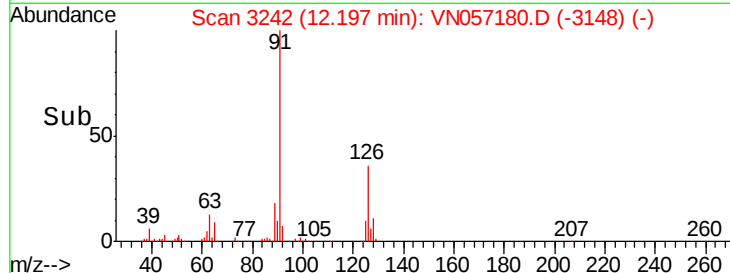
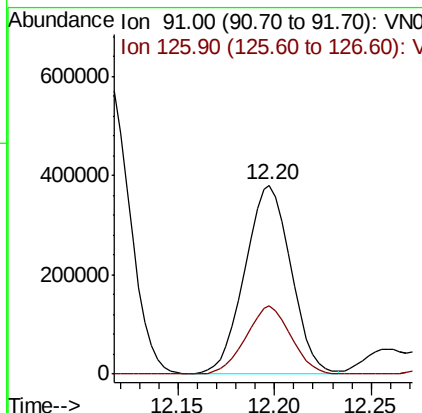
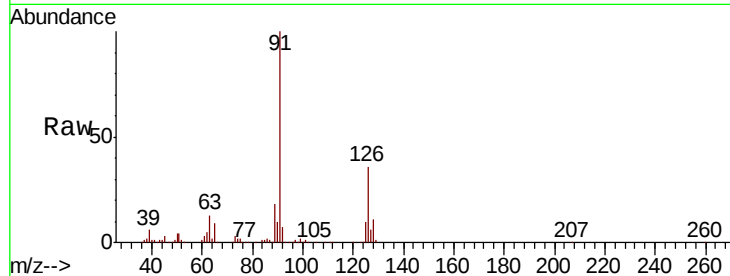




#79
 2-Chlorotoluene
 Concen: 22.206 ug/l
 RT: 12.20 min Scan# 3242
 Delta R.T. 0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

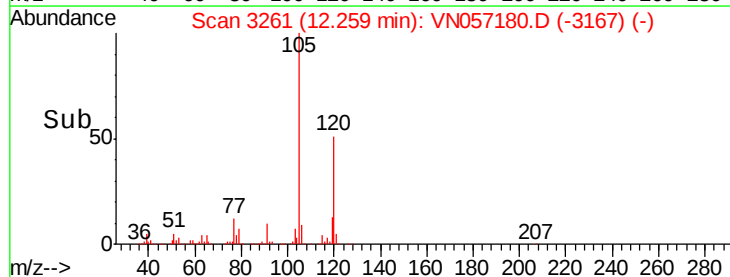
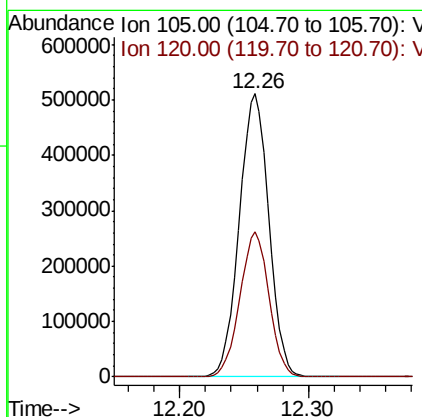
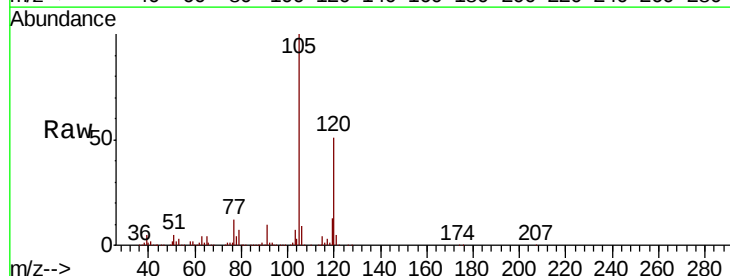
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

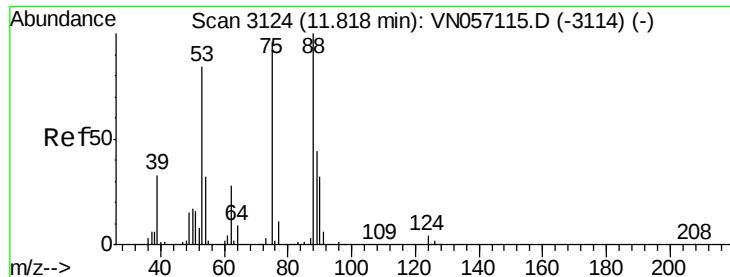
Tgt Ion: 91 Resp: 630559
 Ion Ratio Lower Upper
 91 100
 126 35.3 18.1 54.3



#80
 1,3,5-Trimethylbenzene
 Concen: 20.754 ug/l
 RT: 12.26 min Scan# 3261
 Delta R.T. 0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion: 105 Resp: 811698
 Ion Ratio Lower Upper
 105 100
 120 50.5 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 21.684 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

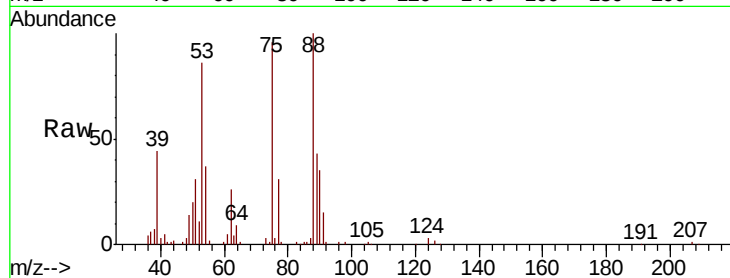
Tgt Ion: 75 Resp: 74709

Ion Ratio Lower Upper

75 100

53 90.0 70.6 106.0

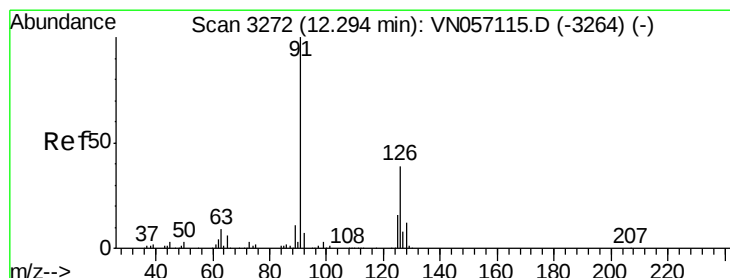
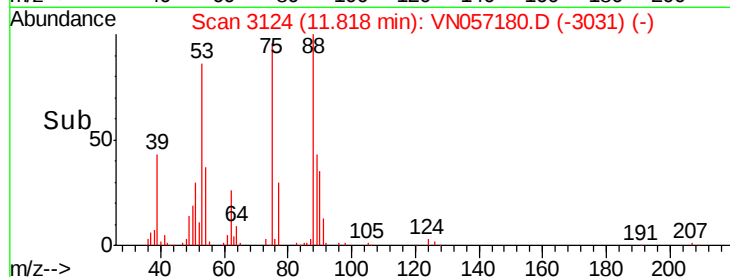
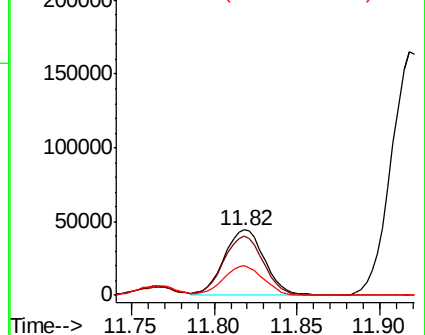
89 45.2 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.952 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057180.D

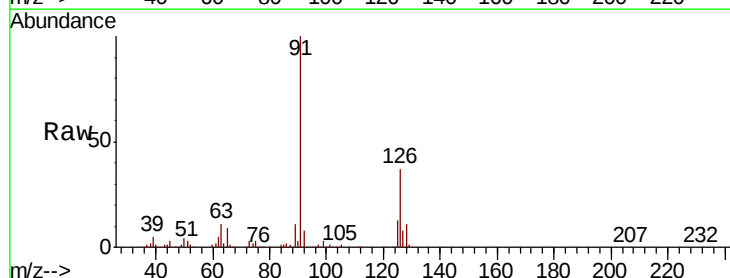
Acq: 11 Aug 2019 12:13

Tgt Ion: 91 Resp: 561472

Ion Ratio Lower Upper

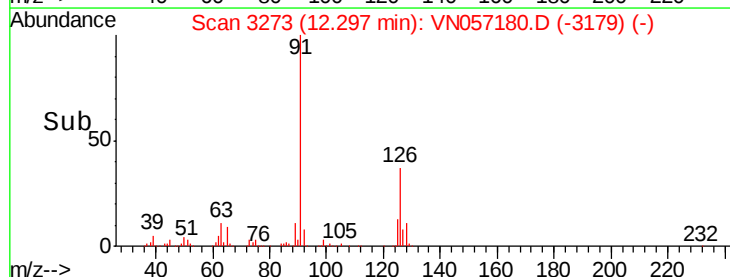
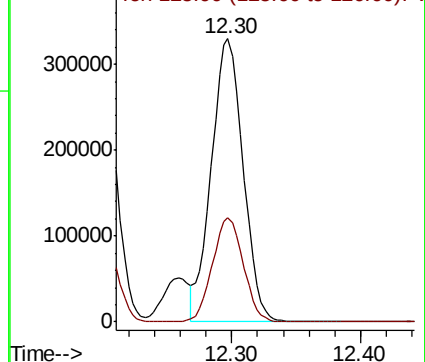
91 100

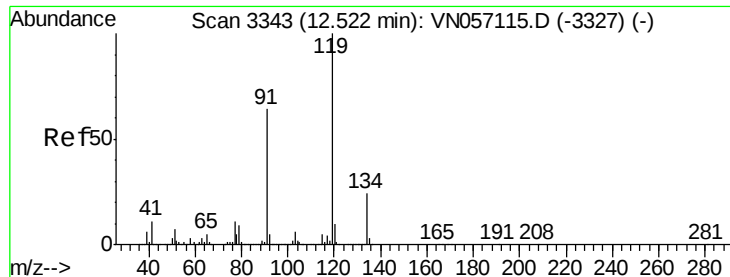
126 35.8 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

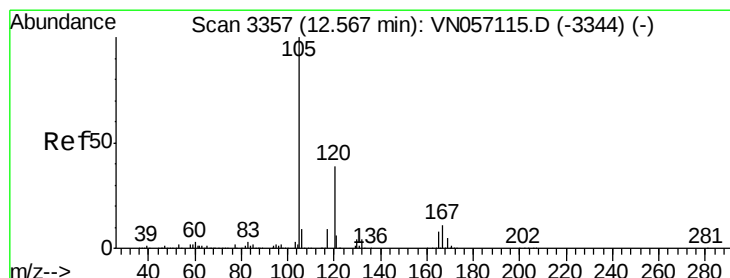
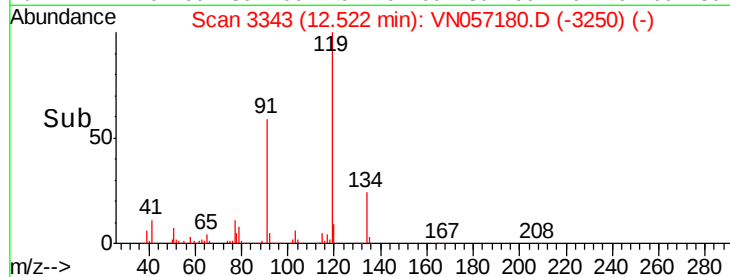
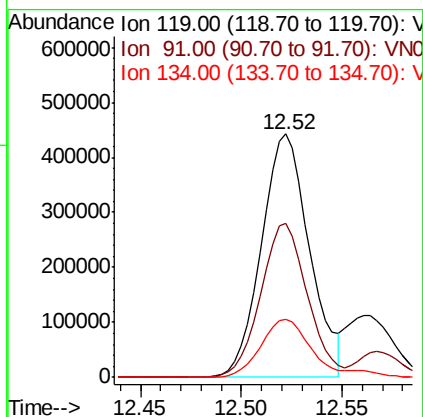
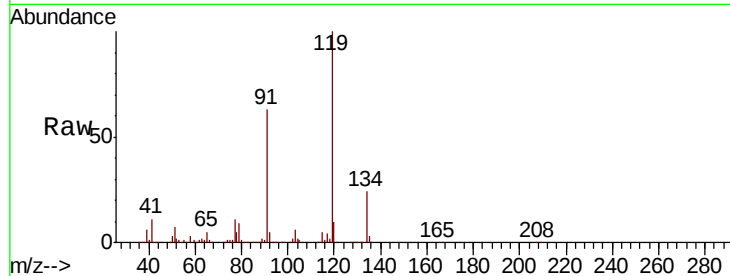




#83
tert-Butylbenzene
Concen: 22.651 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

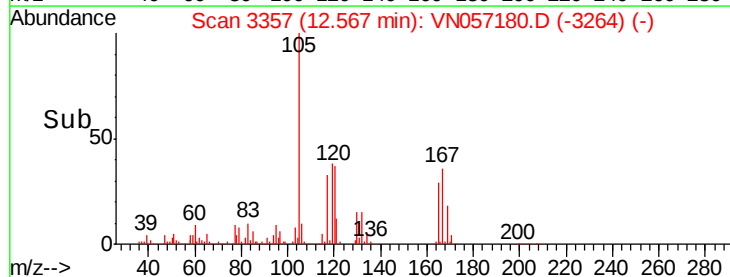
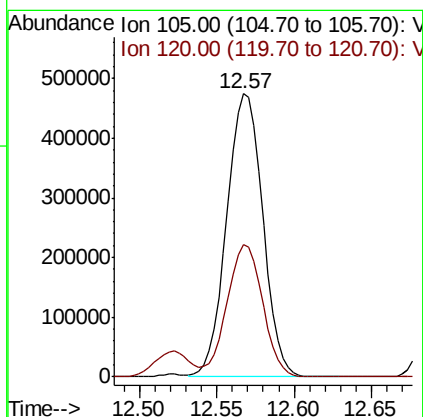
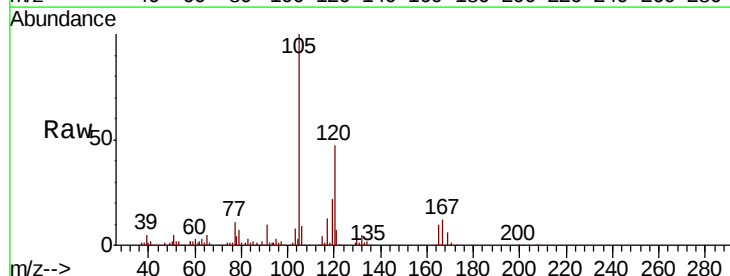
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

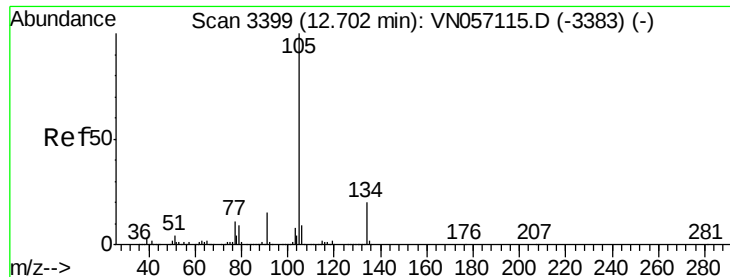
Tgt Ion	Ratio	Lower	Upper
119	100		
91	61.6	31.4	94.2
134	26.3	13.2	39.6



#84
1,2,4-Trimethylbenzene
Concen: 20.253 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.3	69.8

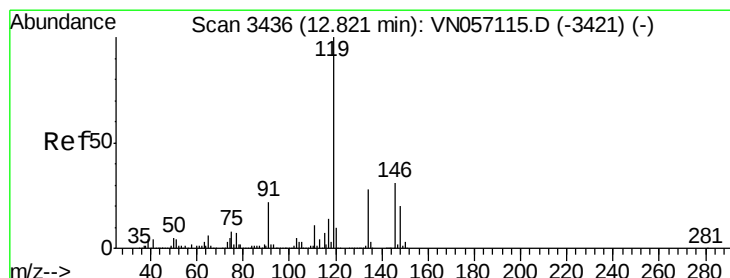
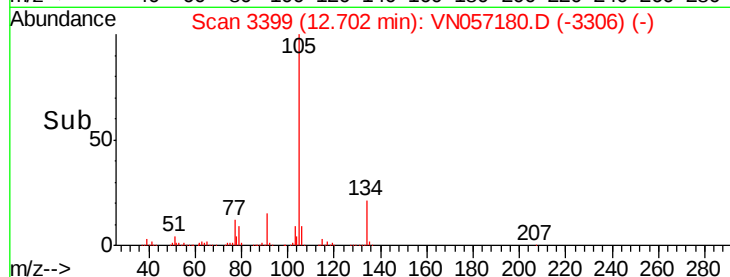
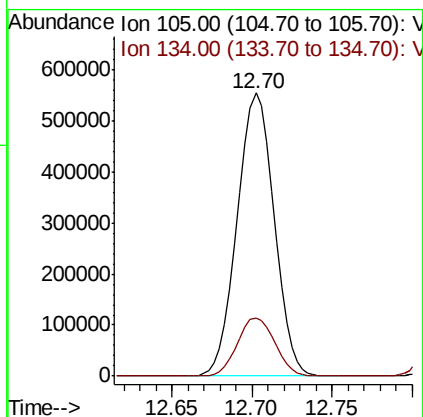
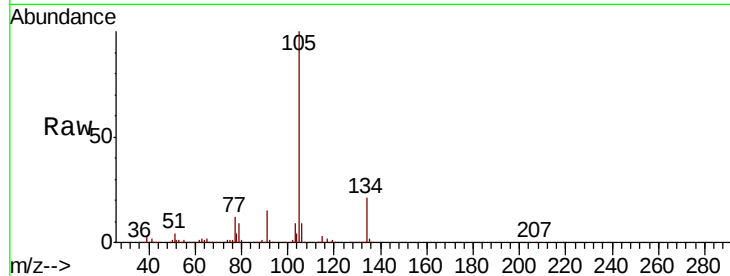




#85
 sec-Butylbenzene
 Concen: 19.744 ug/l
 RT: 12.70 min Scan# 3399
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

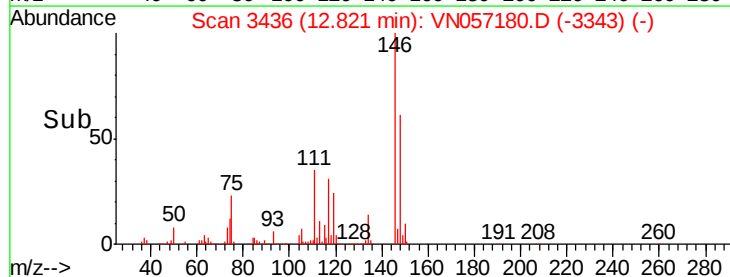
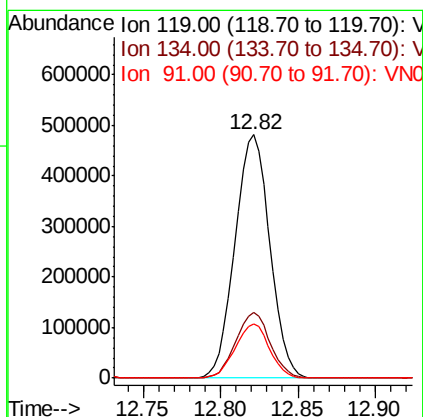
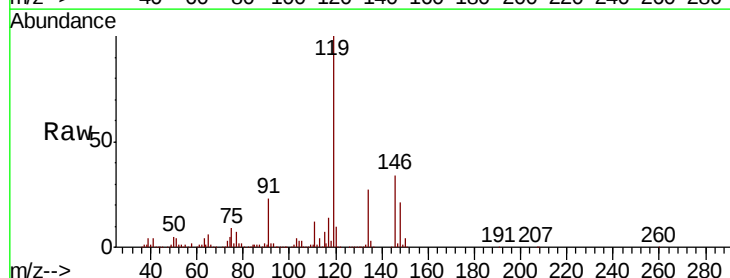
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

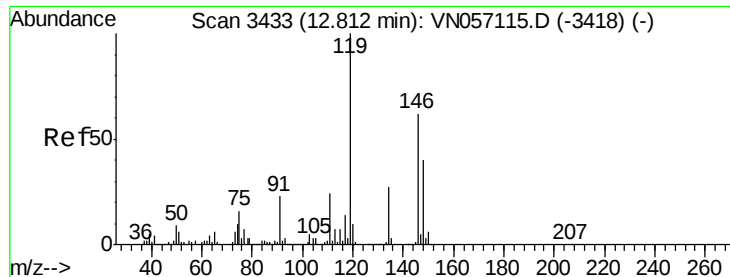
Tgt Ion:105 Resp: 871448
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 19.432 ug/l
 RT: 12.82 min Scan# 3436
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion:119 Resp: 752584
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.8 41.3
 91 22.0 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 20.435 ug/l

RT: 12.81 min Scan# 3434

Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

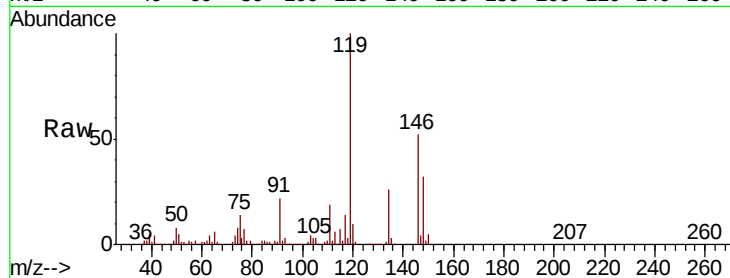
Tgt Ion:146 Resp: 354255

Ion Ratio Lower Upper

146 100

111 37.7 18.8 56.4

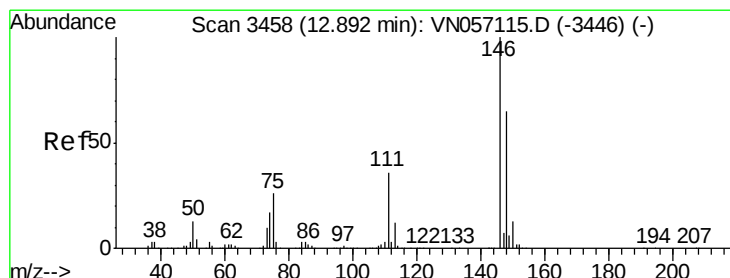
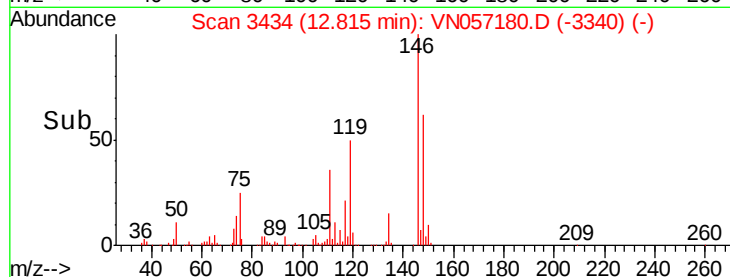
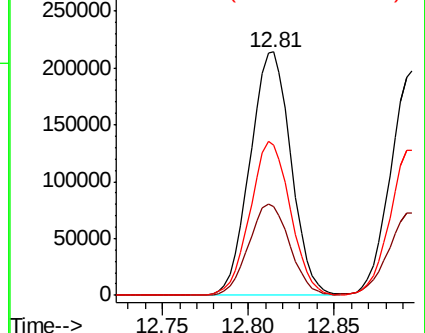
148 62.4 32.4 97.0



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: 19.629 ug/l

RT: 12.90 min Scan# 3459

Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

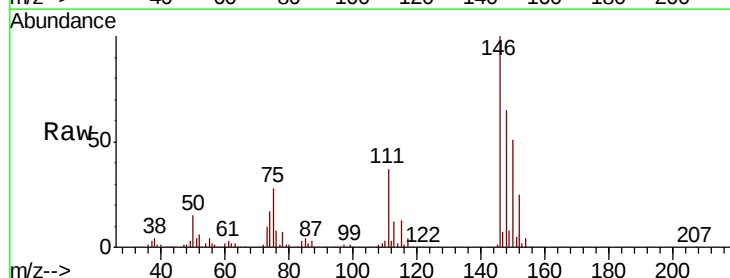
Tgt Ion:146 Resp: 322400

Ion Ratio Lower Upper

146 100

111 37.9 18.2 54.6

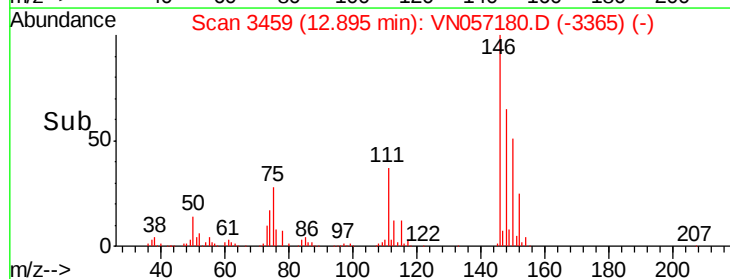
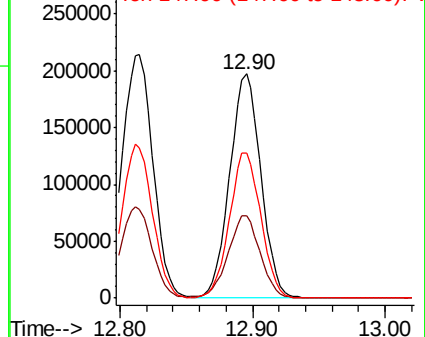
148 64.9 32.0 96.2

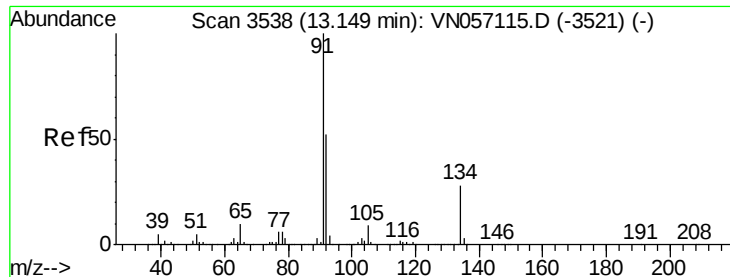


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.571 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

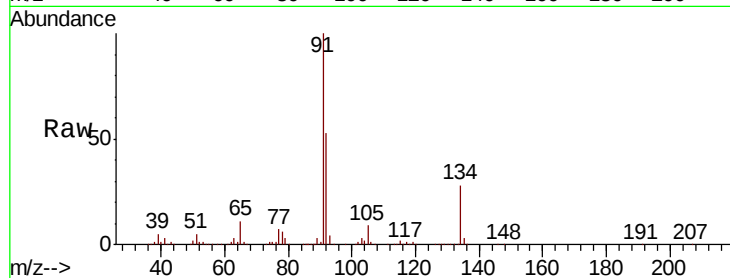
Tgt Ion: 91 Resp: 550439

Ion Ratio Lower Upper

91 100

92 52.7 26.5 79.4

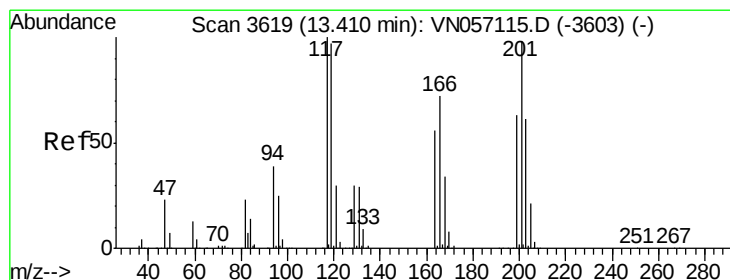
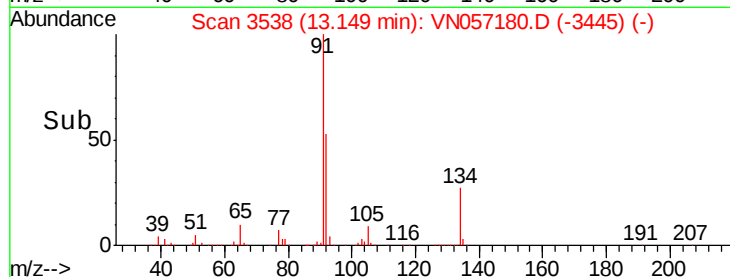
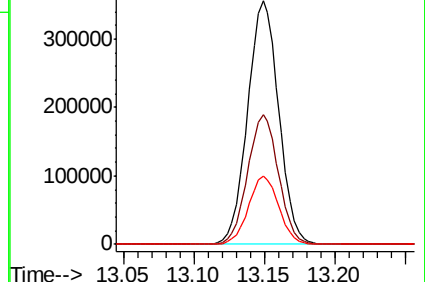
134 27.3 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VN057180.D (-3445) (-)

Ion 92.00 (91.70 to 92.70): VN057180.D (-3445) (-)

Ion 134.00 (133.70 to 134.70): VN057180.D (-3445) (-)



#90

Hexachloroethane

Concen: 23.073 ug/l

RT: 13.41 min Scan# 3619

Delta R.T. 0.00 min

Lab File: VN057180.D

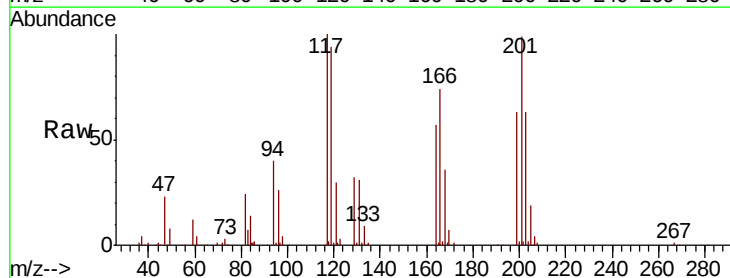
Acq: 11 Aug 2019 12:13

Tgt Ion: 117 Resp: 145235

Ion Ratio Lower Upper

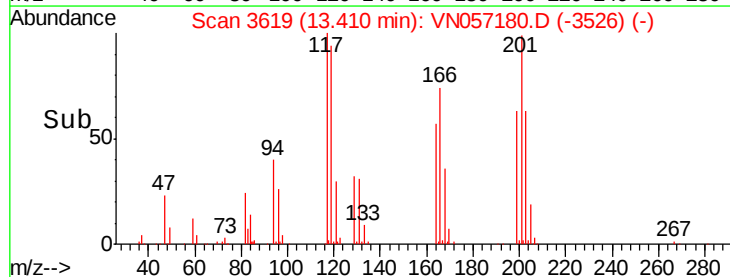
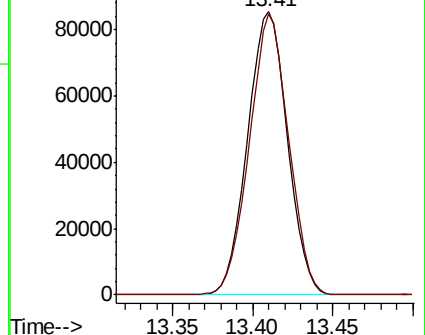
117 100

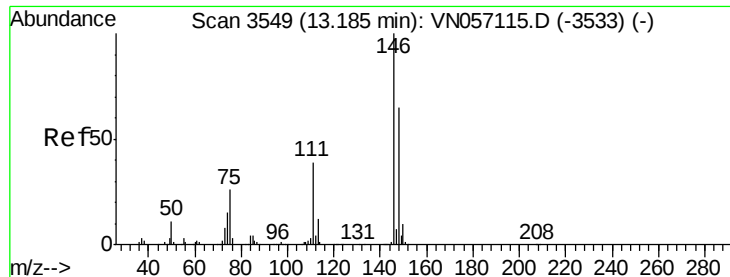
201 97.8 49.3 147.8



Abundance Ion 116.80 (116.50 to 117.50): VN057180.D (-3526) (-)

Ion 200.70 (200.40 to 201.40): VN057180.D (-3526) (-)





#91

1,2-Dichlorobenzene

Concen: 19.884 ug/l

RT: 13.19 min Scan# 3550

Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

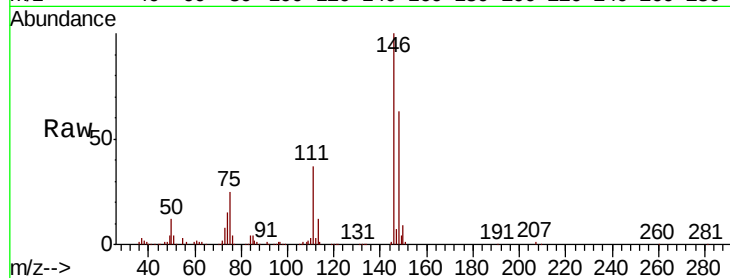
Tgt Ion:146 Resp: 344210

Ion Ratio Lower Upper

146 100

111 38.6 19.2 57.6

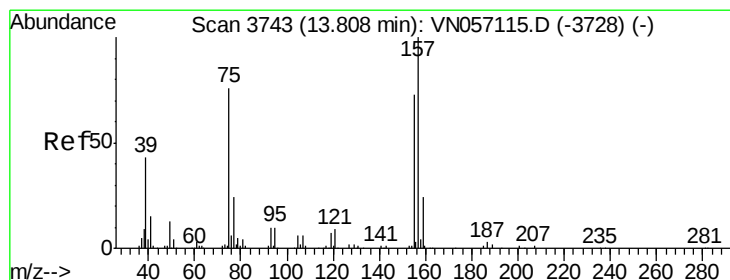
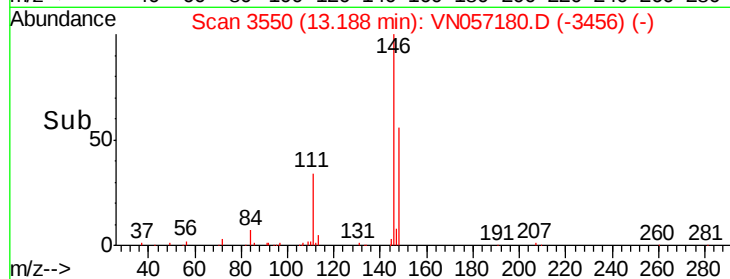
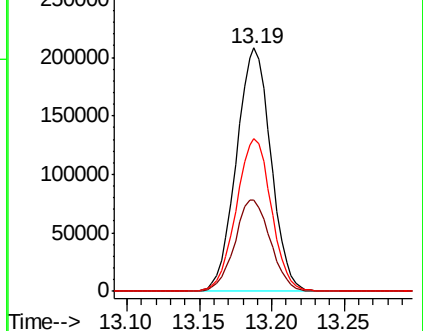
148 63.6 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.814 ug/l

RT: 13.81 min Scan# 3743

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

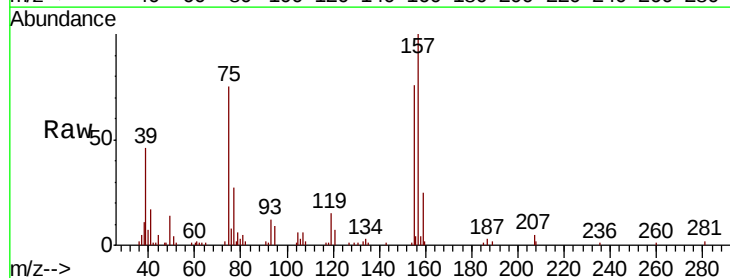
Tgt Ion: 75 Resp: 31724

Ion Ratio Lower Upper

75 100

155 98.2 49.3 147.9

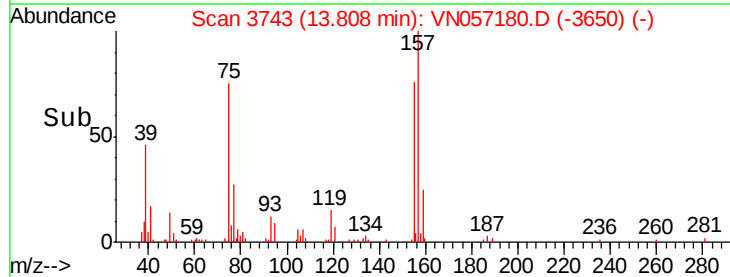
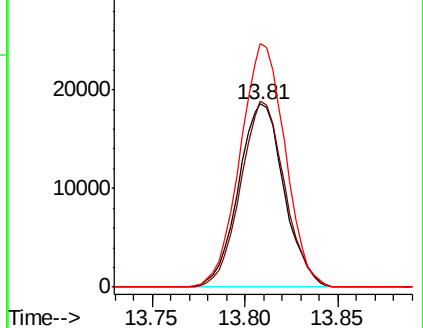
157 131.5 65.3 195.8

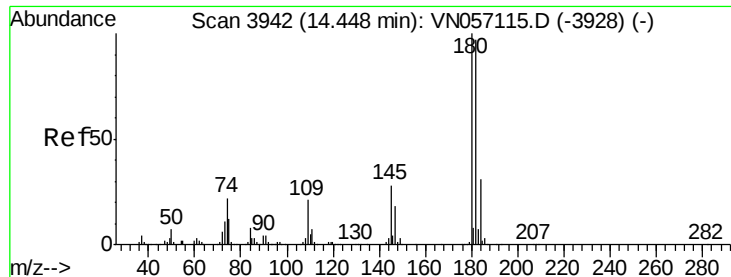


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

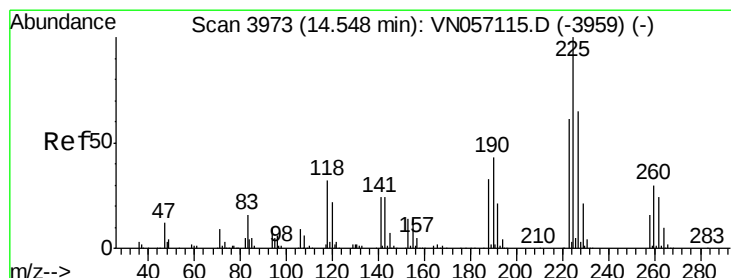
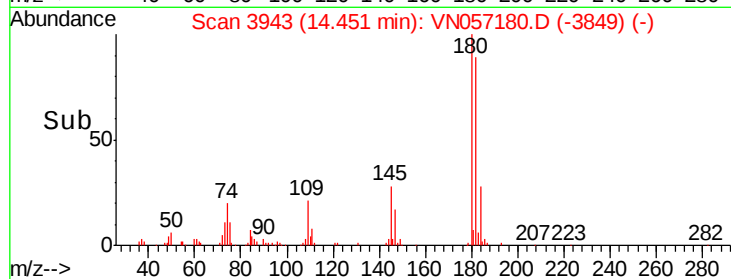
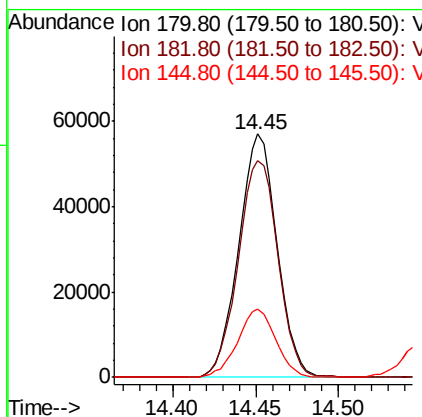
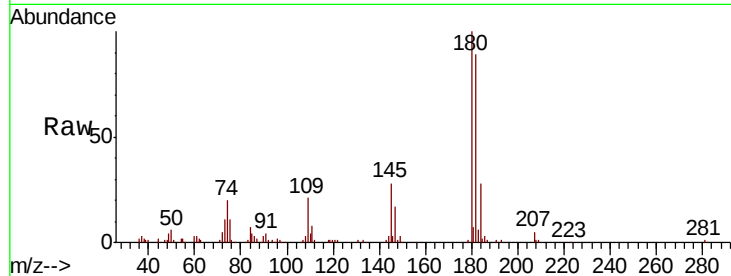




#93
 1,2,4-Trichlorobenzene
 Concen: 16.886 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

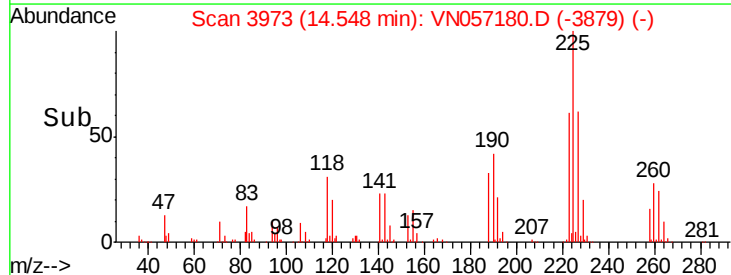
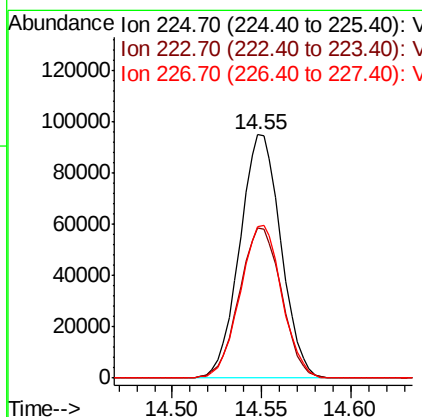
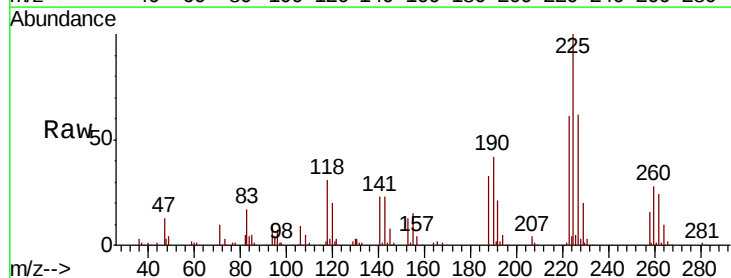
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

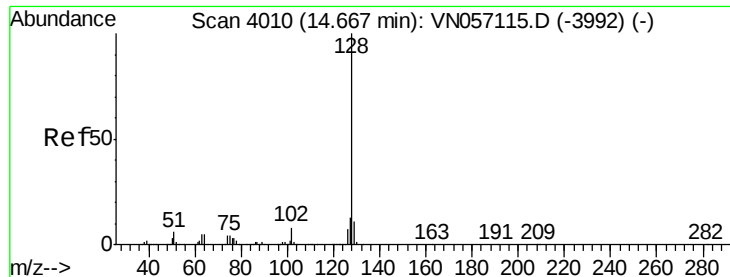
Tgt Ion:180 Resp: 91260
 Ion Ratio Lower Upper
 180 100
 182 92.7 47.5 142.6
 145 27.8 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 23.239 ug/l
 RT: 14.55 min Scan# 3973
 Delta R.T. 0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion:225 Resp: 152579
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.9 92.8
 227 63.7 32.4 97.0





#95

Naphthalene

Concen: 15.452 ug/l

RT: 14.67 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

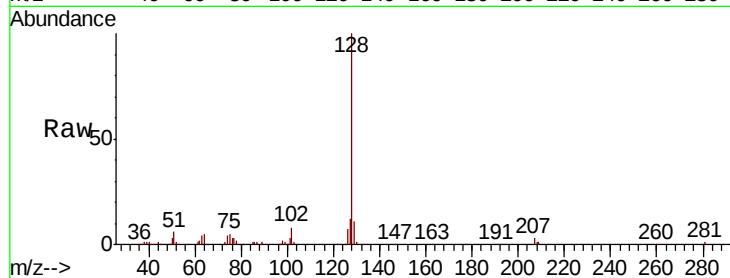
Tgt Ion:128 Resp: 173321

Ion Ratio Lower Upper

128 100

127 11.6 10.3 15.5

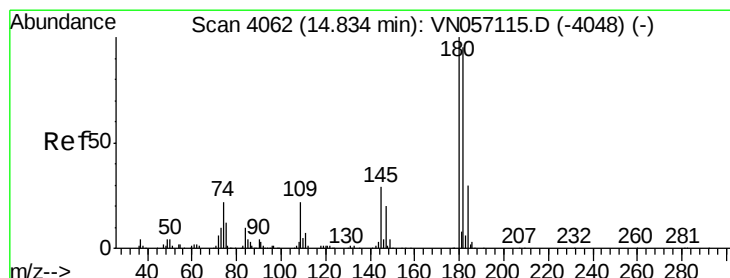
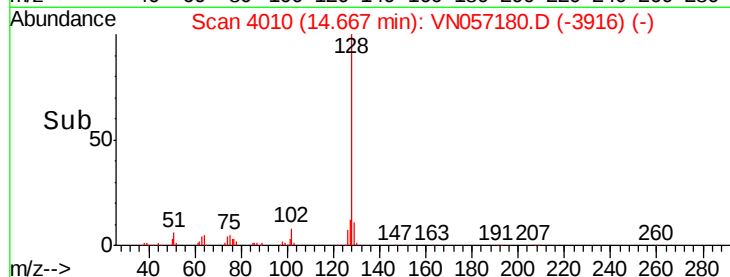
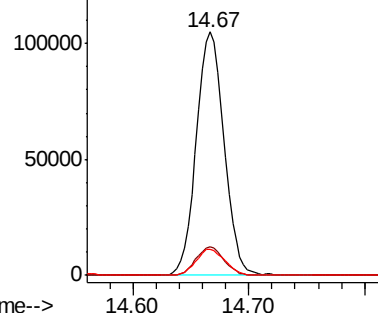
129 11.2 8.8 13.2



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: 15.634 ug/l

RT: 14.84 min Scan# 4063

Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

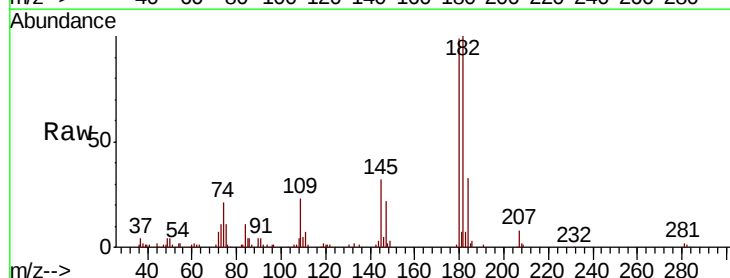
Tgt Ion:180 Resp: 84995

Ion Ratio Lower Upper

180 100

182 102.7 48.3 144.8

145 31.2 14.9 44.5



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

