

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081819\
 Data File : VN057359.D
 Acq On : 16 Aug 2019 17:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 17 03:42:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	894435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1301464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1190962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	471865	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	455863	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
35) Dibromofluoromethane	7.58	113	413098	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	10.08	98	1561082	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.40	95	533200	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	339779	44.147	ug/l	98
3) Chloromethane	2.05	50	388640	42.780	ug/l	100
4) Vinyl Chloride	2.18	62	377502	44.169	ug/l	98
5) Bromomethane	2.53	94	288284	47.319	ug/l	99
6) Chloroethane	2.69	64	264008	44.908	ug/l	99
7) Trichlorofluoromethane	3.01	101	610558	45.543	ug/l	98
8) Diethyl Ether	3.40	74	233057	46.189	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	368175	46.744	ug/l	98
10) Methyl Iodide	3.95	142	619941	49.241	ug/l	99
11) Tert butyl alcohol	4.76	59	313967	227.128	ug/l	100
12) 1,1-Dichloroethene	3.73	96	361890	46.114	ug/l	98
13) Acrolein	3.60	56	149077	177.649	ug/l	99
14) Allyl chloride	4.31	41	567606	45.121	ug/l	98
15) Acrylonitrile	4.97	53	885062	235.834	ug/l	100
16) Acetone	3.80	43	770191	228.336	ug/l	99
17) Carbon Disulfide	4.05	76	946939	44.789	ug/l	100
18) Methyl Acetate	4.31	43	406337	44.834	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	1162209	47.198	ug/l	99
20) Methylene Chloride	4.54	84	428032	45.354	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	390139	46.229	ug/l	95
22) Diisopropyl ether	5.93	45	1138072	45.797	ug/l	99
23) Vinyl Acetate	5.88	43	4634727	231.741	ug/l	98
24) 1,1-Dichloroethane	5.84	63	694621	45.434	ug/l	99
25) 2-Butanone	6.82	43	1123551	230.021	ug/l	95
26) 2,2-Dichloropropane	6.81	77	604182	48.899	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	465560	46.597	ug/l	99
28) Bromochloromethane	7.19	49	322147	47.424	ug/l #	97
29) Tetrahydrofuran	7.20	42	694392	224.636	ug/l	98
30) Chloroform	7.36	83	725658	45.292	ug/l	98
31) Cyclohexane	7.64	56	576660	43.525	ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	644437	47.822	ug/l	99
36) 1,1-Dichloropropene	7.79	75	531698	46.270	ug/l	99
37) Ethyl Acetate	6.91	43	447768	47.576	ug/l	99
38) Carbon Tetrachloride	7.77	117	570921	47.818	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	629236	46.895	ug/l	99
40) Benzene	8.03	78	1649076	46.919	ug/l	98
41) Methacrylonitrile	7.16	41	224163	52.889	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	534444	45.944	ug/l	98
43) Isopropyl Acetate	8.15	43	769714	44.598	ug/l	95
44) Trichloroethene	8.83	130	473289	47.897	ug/l	100
45) 1,2-Dichloropropane	9.11	63	423830	46.783	ug/l	100
46) Dibromomethane	9.20	93	284450	47.065	ug/l	98
47) Bromodichloromethane	9.40	83	578512	48.311	ug/l	99
48) Methyl methacrylate	9.19	41	357091	46.074	ug/l	98
49) 1,4-Dioxane	9.19	88	152145	933.487	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	2269131	233.701	ug/l	99
52) Toluene	10.15	92	1055433	48.245	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	642173	49.578	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	702602	49.191	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	419387	48.753	ug/l	99
56) Ethyl methacrylate	10.43	69	625294	49.810	ug/l	98
57) 1,3-Dichloropropane	10.70	76	680030	47.321	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	696197	191.297	ug/l	98
59) 2-Hexanone	10.75	43	1646227	235.834	ug/l	98
60) Dibromochloromethane	10.90	129	483809	50.188	ug/l	100
61) 1,2-Dibromoethane	11.00	107	448665	48.962	ug/l	99
64) Tetrachloroethene	10.63	164	479387	46.562	ug/l	97
65) Chlorobenzene	11.43	112	1169652	48.153	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	453758	48.778	ug/l	100
67) Ethyl Benzene	11.51	91	2047200	48.173	ug/l	100
68) m/p-Xylenes	11.62	106	1552589	99.160	ug/l	98
69) o-Xylene	11.95	106	763049	49.634	ug/l	98
70) Styrene	11.96	104	1251421	51.066	ug/l	99
71) Bromoform	12.13	173	377747	51.472	ug/l #	98
73) Isopropylbenzene	12.25	105	2027716	54.332	ug/l	99
74) N-amyl acetate	12.07	43	619553	45.248	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	561663	53.899	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	715716	78.069	ug/l #	100
77) Bromobenzene	12.53	156	542695	53.822	ug/l	97
78) n-propylbenzene	12.59	91	2119105	46.636	ug/l	99
79) 2-Chlorotoluene	12.67	91	1308689	52.813	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1692429	53.386	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	187801	48.531	ug/l	96
82) 4-Chlorotoluene	12.77	91	1262783	46.898	ug/l	99
83) tert-Butylbenzene	12.99	119	1502689	54.084	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1607089	47.285	ug/l	99
85) sec-Butylbenzene	13.17	105	1855991	52.055	ug/l	100
86) p-Isopropyltoluene	13.29	119	1653002	47.505	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	814350	49.257	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	760732	48.473	ug/l	100
89) n-Butylbenzene	13.62	91	1278590	51.543	ug/l	99
90) Hexachloroethane	13.88	117	313860	53.182	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	764018	49.574	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73739	43.823	ug/l	95

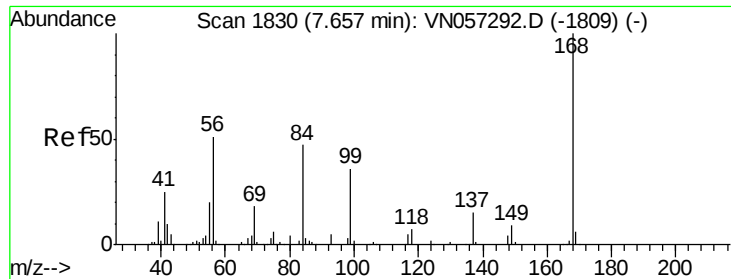
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	279342	45.825	ug/l	98
94) Hexachlorobutadiene	15.01	225	328511	56.152	ug/l	97
95) Naphthalene	15.13	128	555460	56.232	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	258989	58.074	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

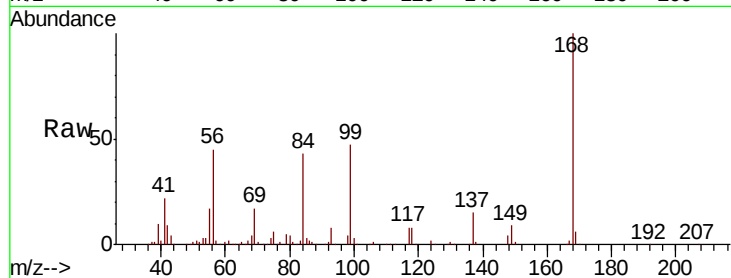
VSTDCCC050

Tgt Ion:168 Resp: 894435

Ion Ratio Lower Upper

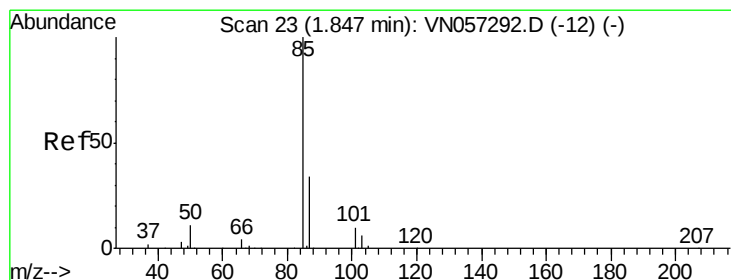
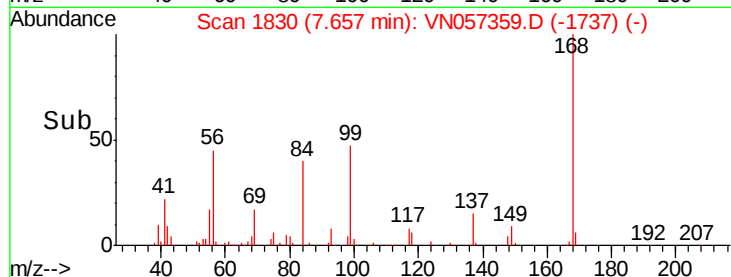
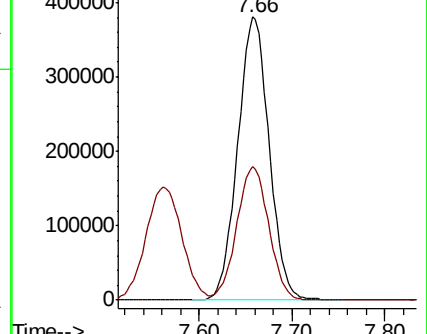
168 100

99 47.1 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 44.147 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057359.D

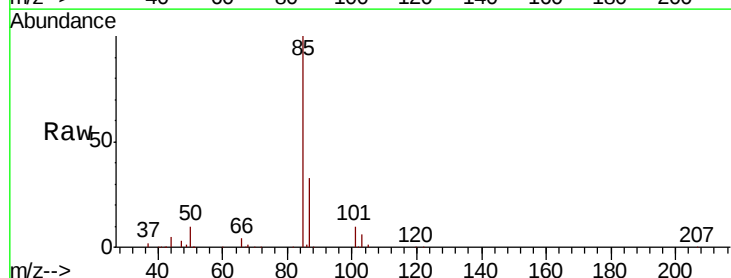
Acq: 16 Aug 2019 17:09

Tgt Ion: 85 Resp: 339779

Ion Ratio Lower Upper

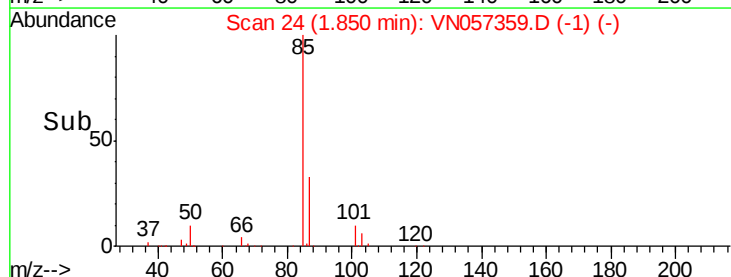
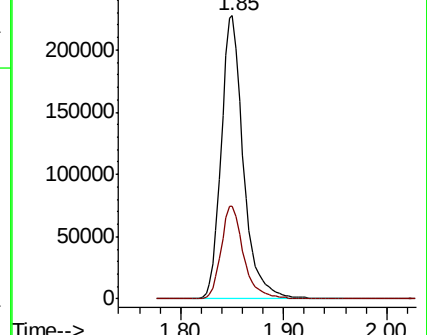
85 100

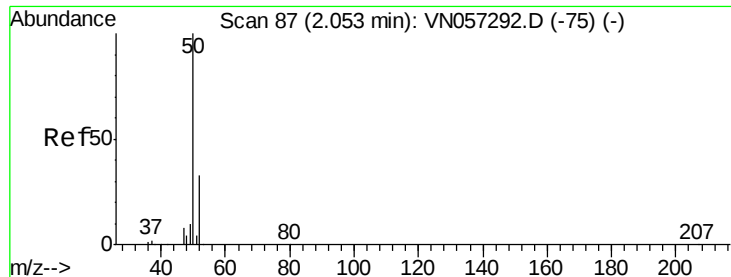
87 32.9 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 42.780 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

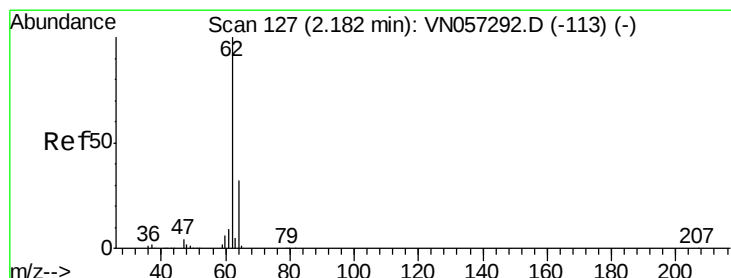
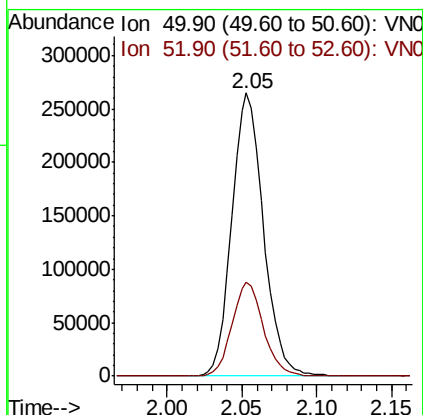
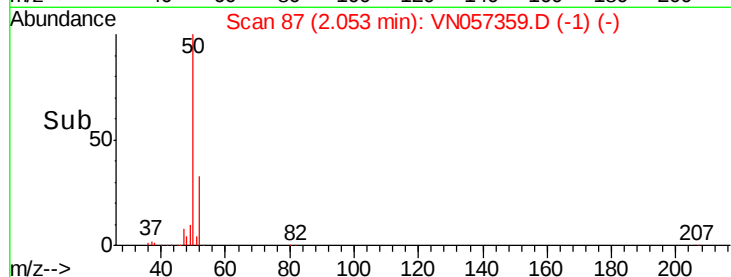
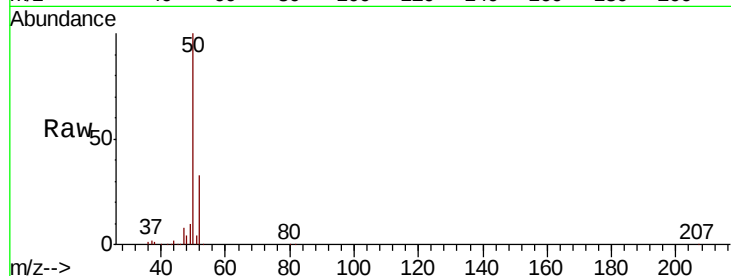
VSTDCCC050

Tgt Ion: 50 Resp: 388640

Ion Ratio Lower Upper

50 100

52 33.3 26.8 40.2



#4

Vinyl Chloride

Concen: 44.169 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057359.D

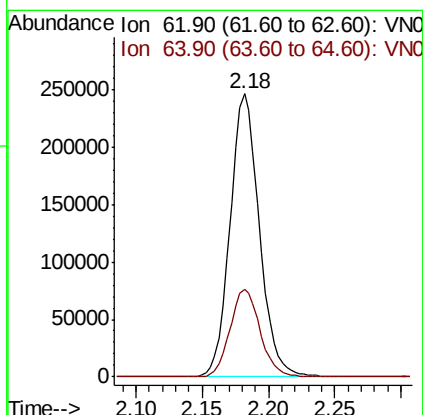
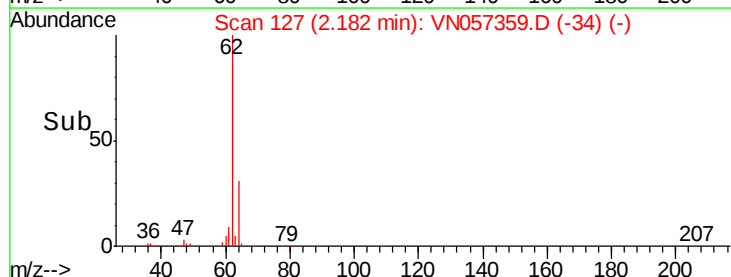
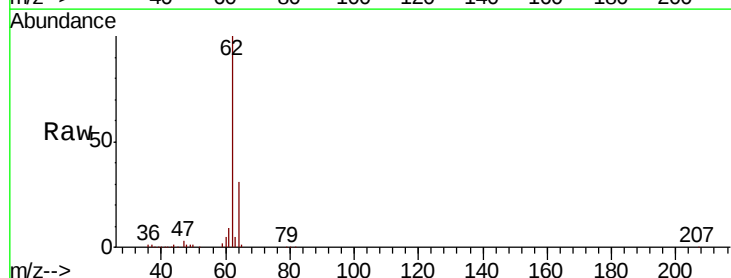
Acq: 16 Aug 2019 17:09

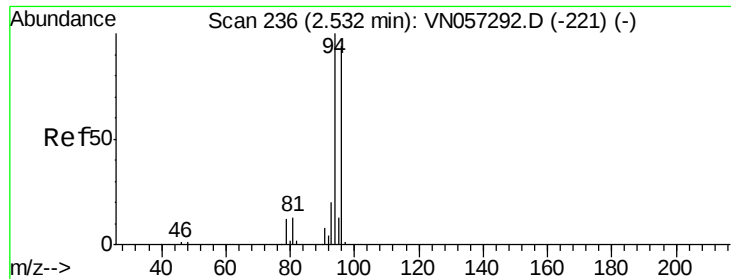
Tgt Ion: 62 Resp: 377502

Ion Ratio Lower Upper

62 100

64 31.0 25.9 38.9





#5

Bromomethane

Concen: 47.319 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

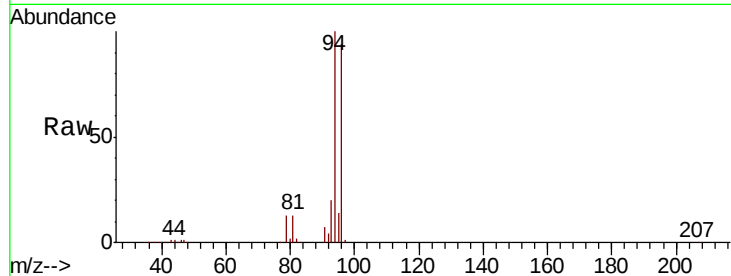
VSTDCCC050

Tgt Ion: 94 Resp: 288284

Ion Ratio Lower Upper

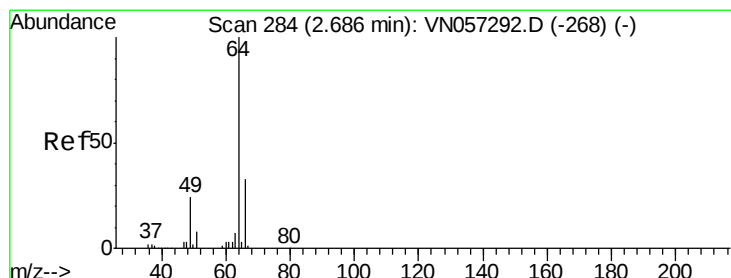
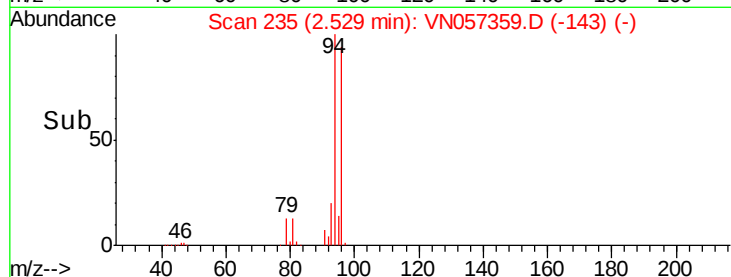
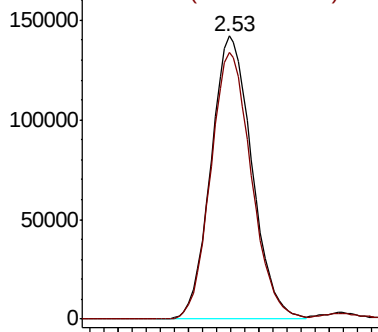
94 100

96 94.3 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.908 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN057359.D

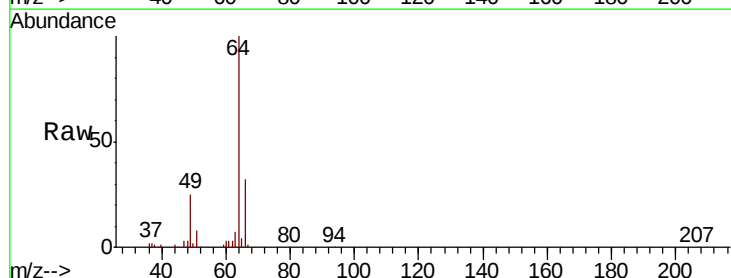
Acq: 16 Aug 2019 17:09

Tgt Ion: 64 Resp: 264008

Ion Ratio Lower Upper

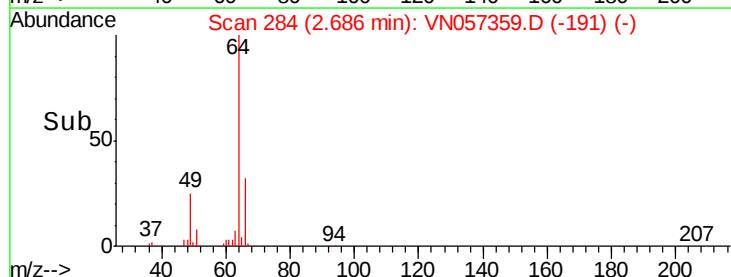
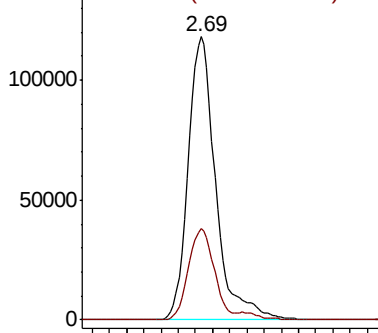
64 100

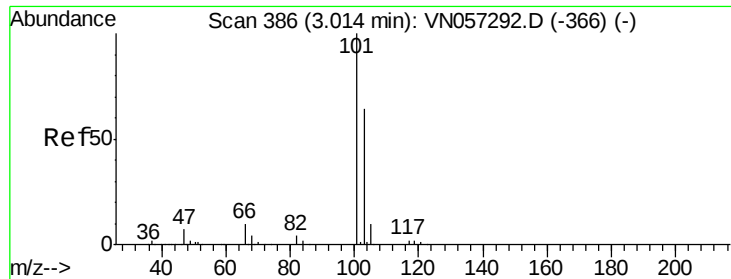
66 32.2 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



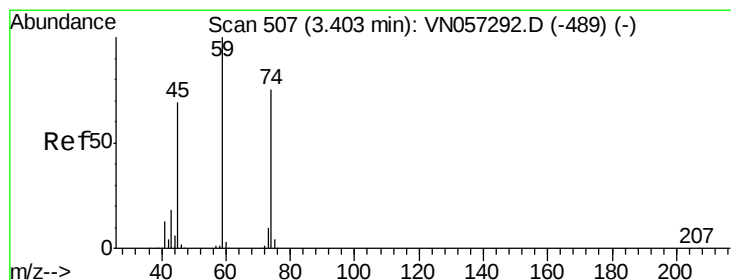
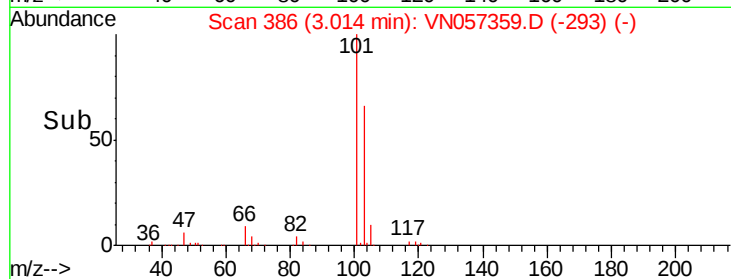
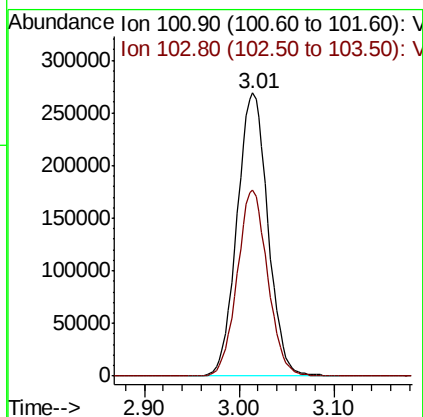
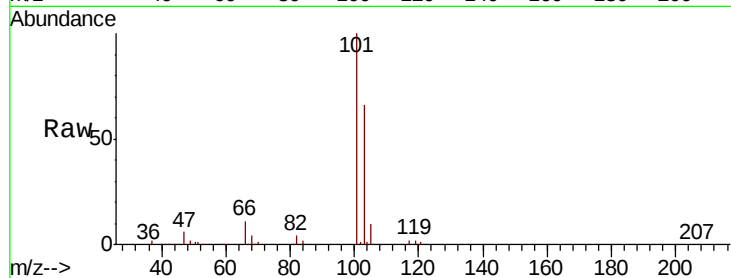


#7

Trichlorofluoromethane
 Concen: 45.543 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Instrument :
 MSVOA_N
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 VSTDCCC050

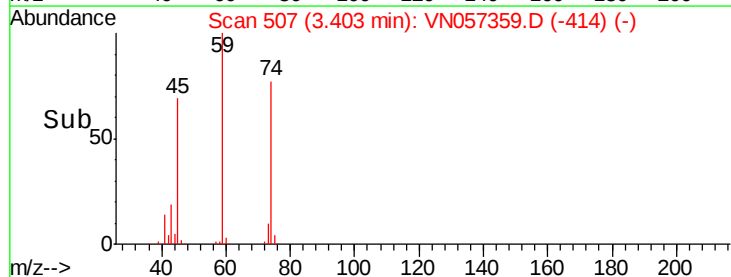
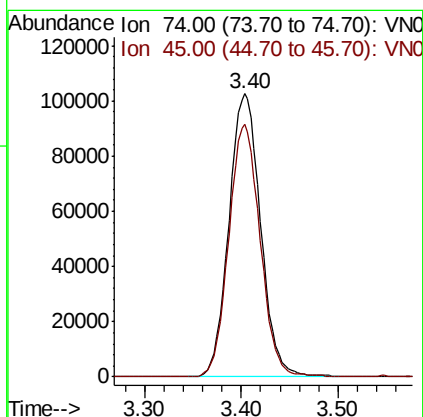
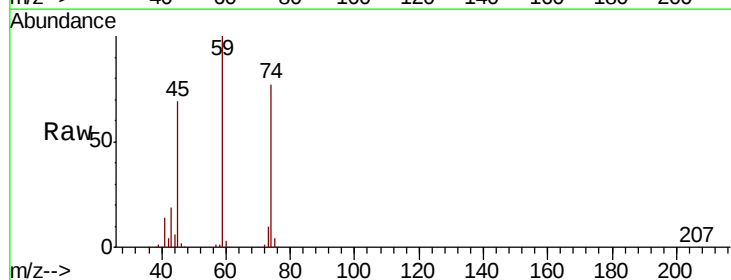
Tgt Ion: 101 Resp: 610558
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.5 77.3

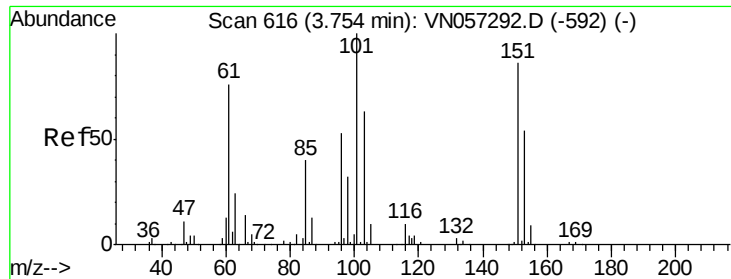


#8

Diethyl Ether
 Concen: 46.189 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Tgt Ion: 74 Resp: 233057
 Ion Ratio Lower Upper
 74 100
 45 88.6 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.744 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

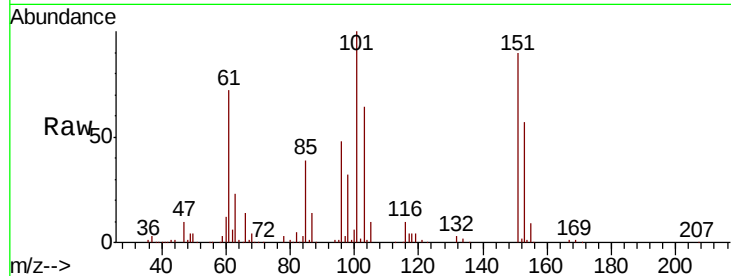
Tgt Ion:101 Resp: 368175

Ion Ratio Lower Upper

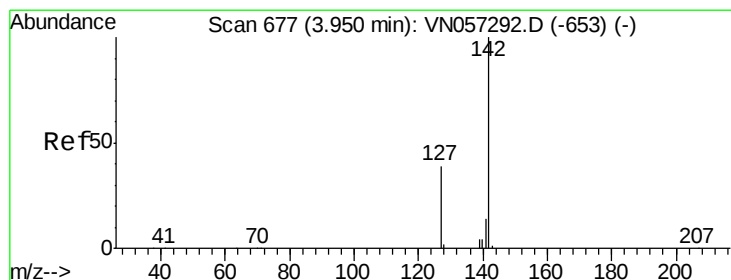
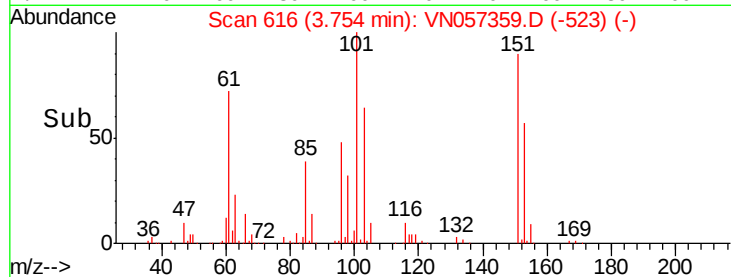
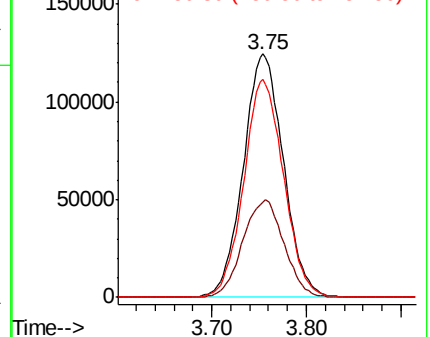
101 100

85 40.9 32.7 49.1

151 88.6 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.241 ug/l

RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

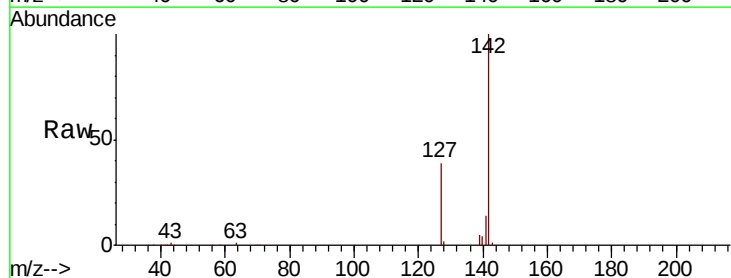
Tgt Ion:142 Resp: 619941

Ion Ratio Lower Upper

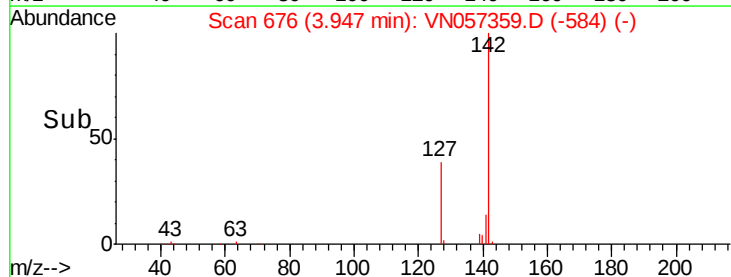
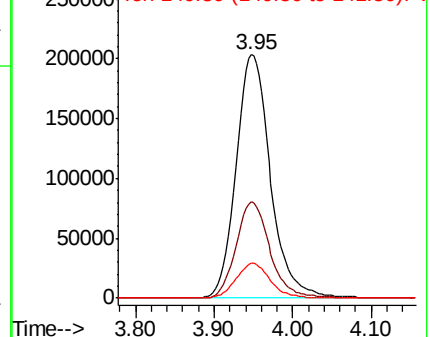
142 100

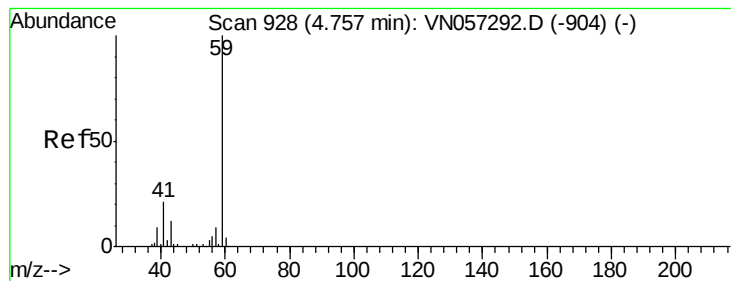
127 39.1 31.6 47.4

141 14.3 11.2 16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



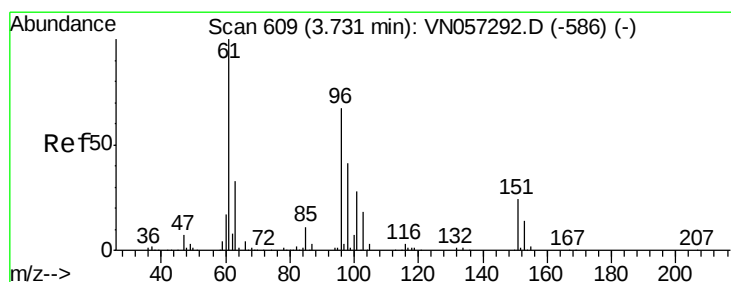
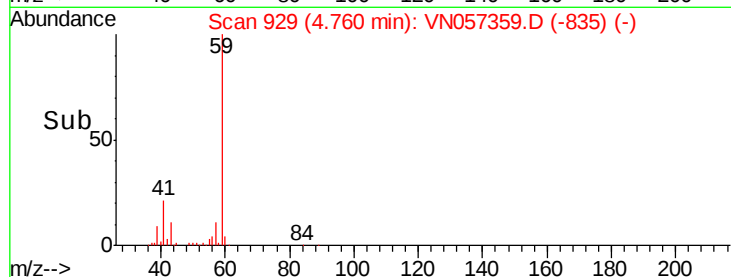
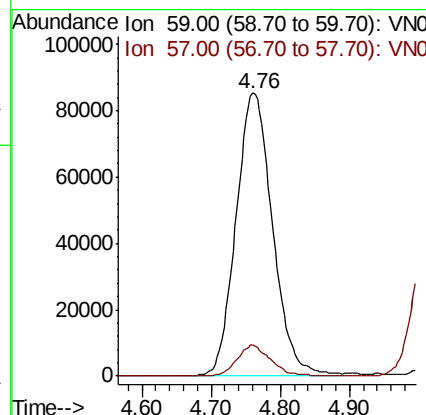
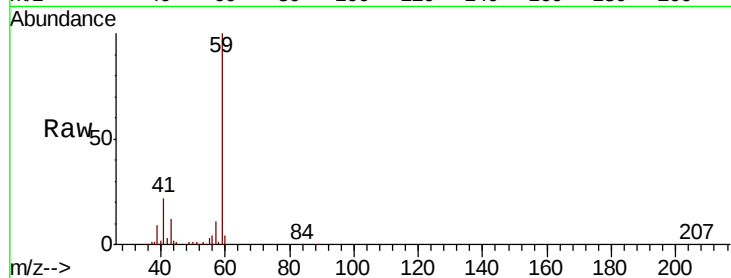


#11

Tert butyl alcohol
 Concen: 227.128 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

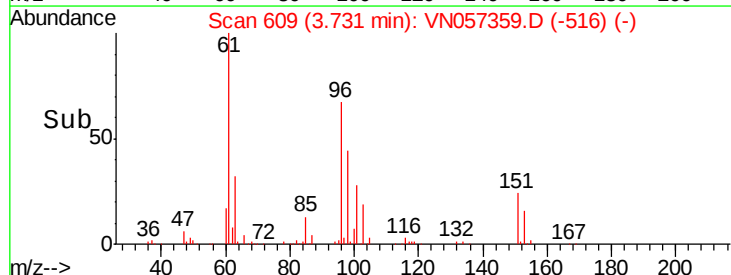
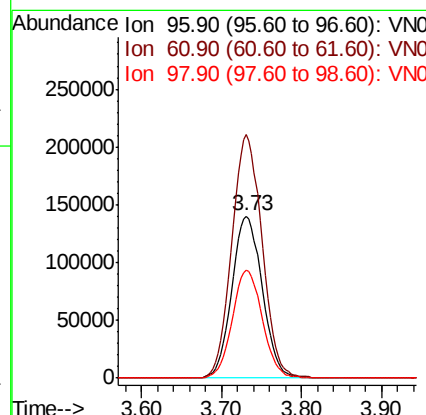
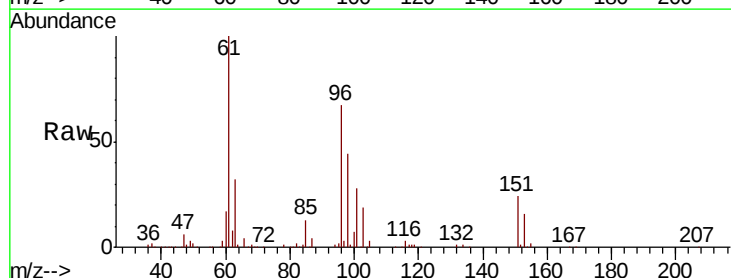
Tgt Ion: 59 Resp: 313967
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.2

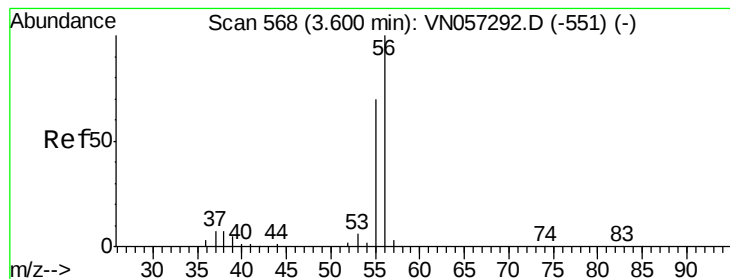


#12

1,1-Dichloroethene
 Concen: 46.114 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Tgt Ion: 96 Resp: 361890
 Ion Ratio Lower Upper
 96 100
 61 150.3 119.7 179.5
 98 66.4 49.0 73.4





#13

Acrolein

Concen: 177.649 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

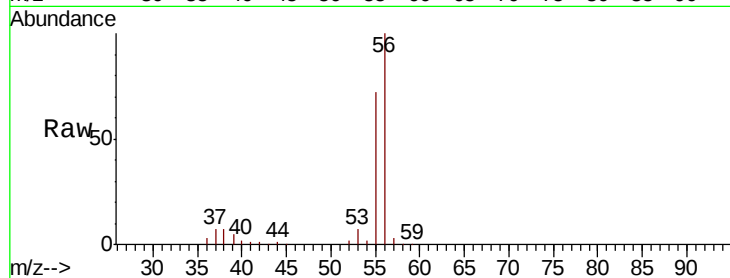
VSTDCCC050

Tgt Ion: 56 Resp: 149077

Ion Ratio Lower Upper

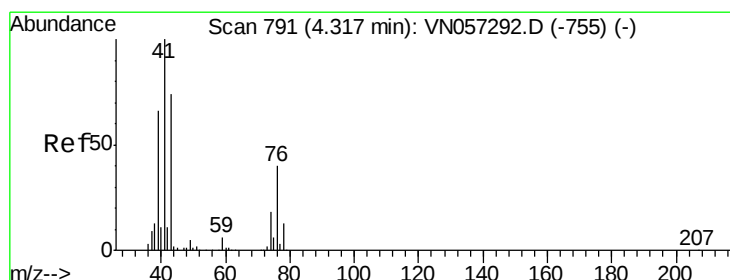
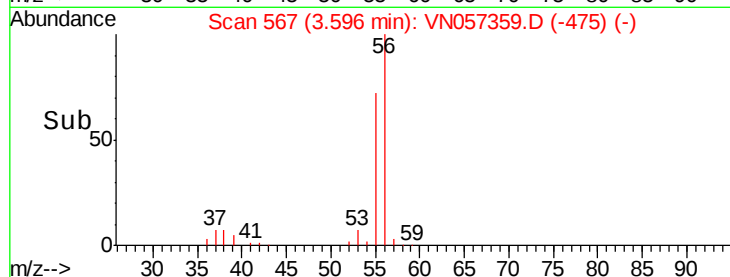
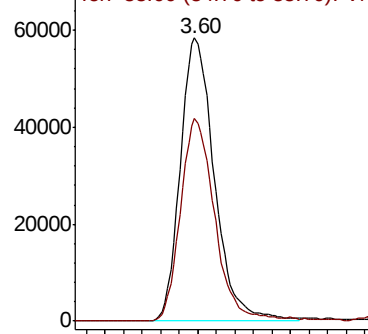
56 100

55 71.3 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 45.121 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

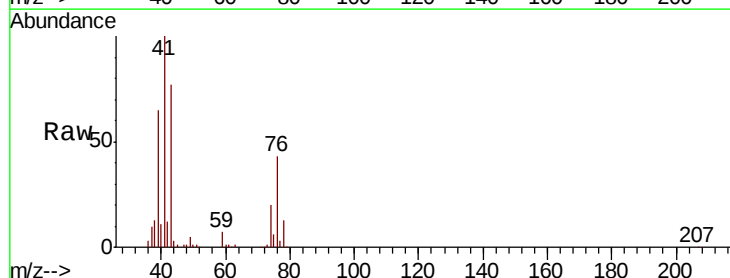
Tgt Ion: 41 Resp: 567606

Ion Ratio Lower Upper

41 100

39 60.2 49.0 73.6

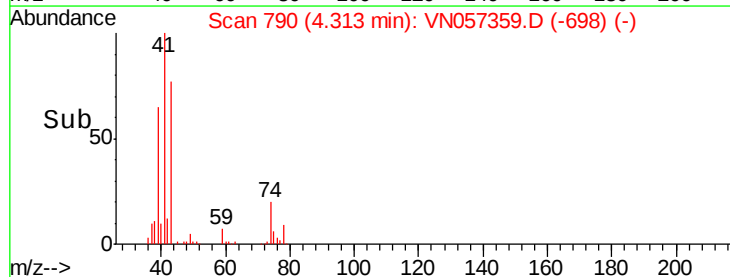
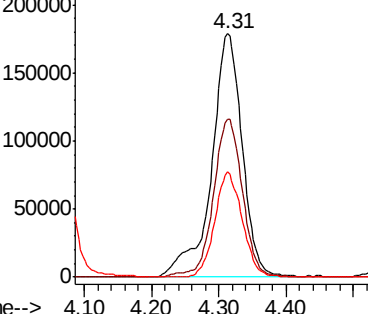
76 38.1 29.0 43.4

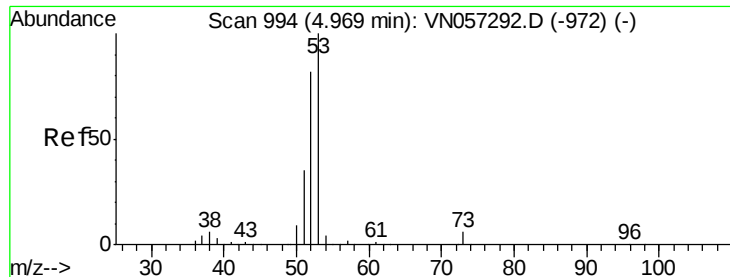


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 235.834 ug/l

RT: 4.97 min Scan# 994

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

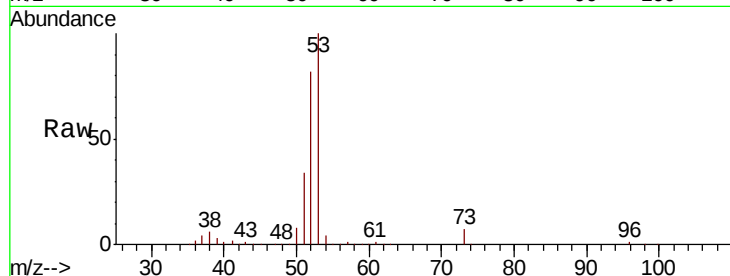
Tgt Ion: 53 Resp: 885062

Ion Ratio Lower Upper

53 100

52 82.4 66.2 99.2

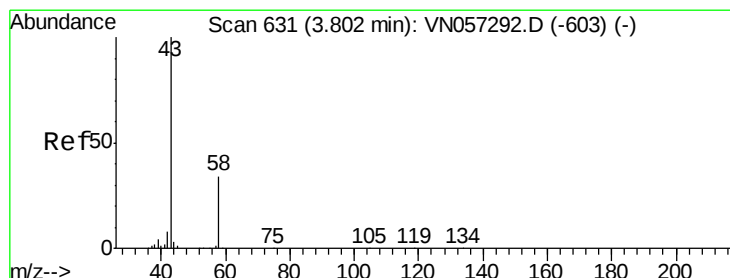
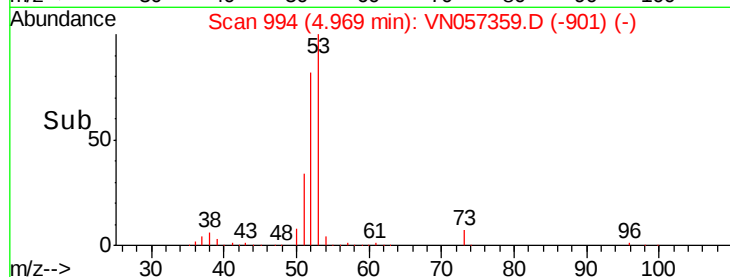
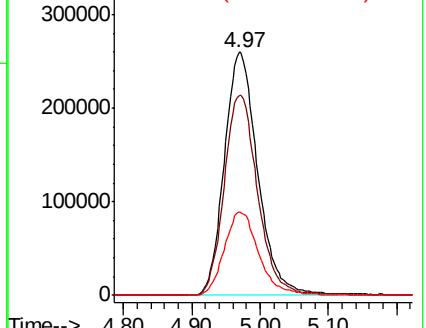
51 35.5 28.5 42.7



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: 228.336 ug/l

RT: 3.80 min Scan# 631

Delta R.T. -0.00 min

Lab File: VN057359.D

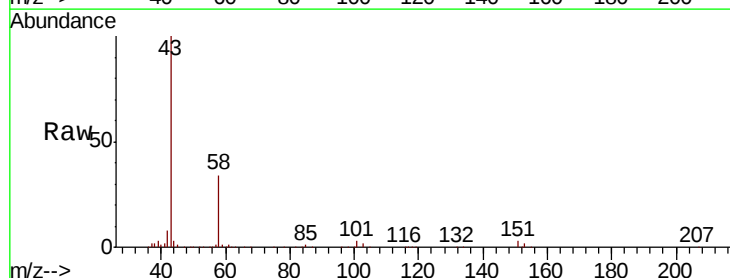
Acq: 16 Aug 2019 17:09

Tgt Ion: 43 Resp: 770191

Ion Ratio Lower Upper

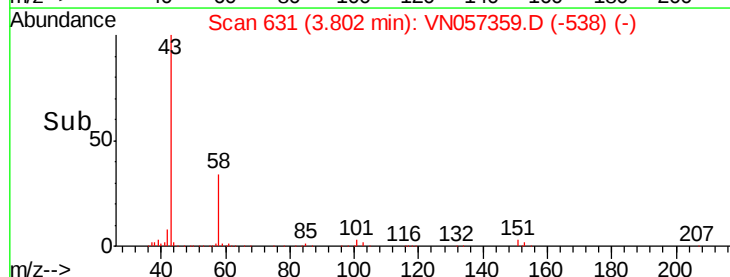
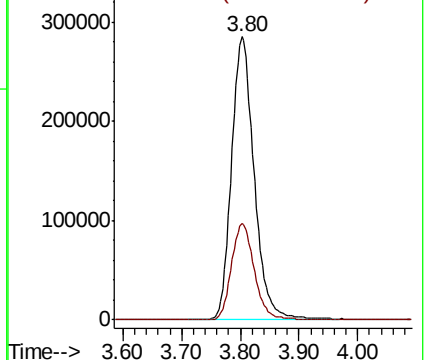
43 100

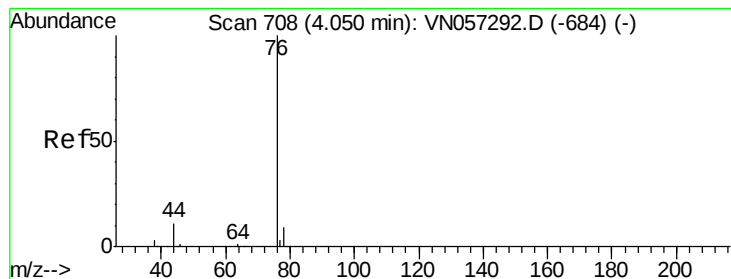
58 34.2 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 44.789 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

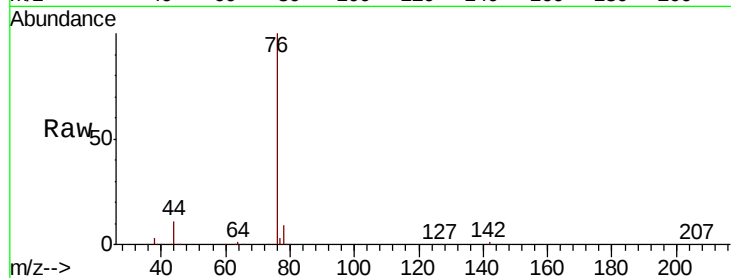
VSTDCCC050

Tgt Ion: 76 Resp: 946939

Ion Ratio Lower Upper

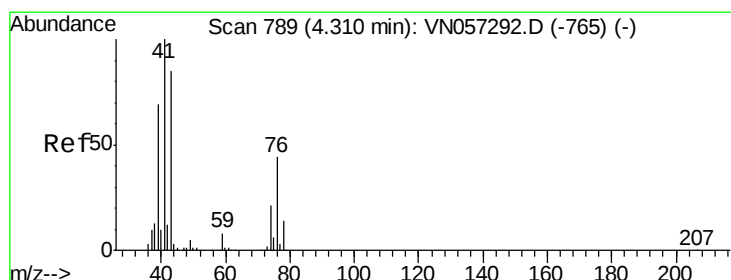
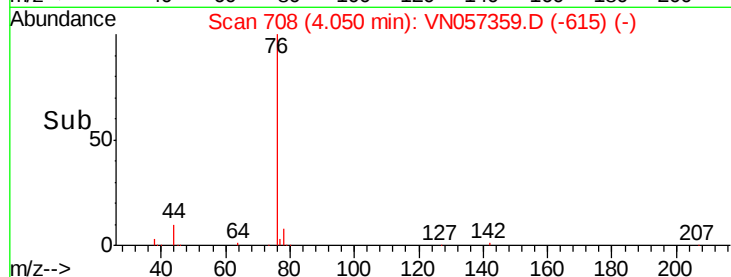
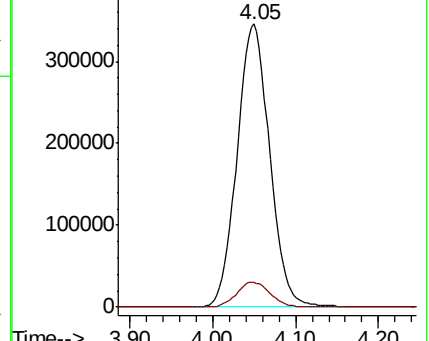
76 100

78 8.6 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN057359.D (-615) (-)

Ion 77.90 (77.60 to 78.60): VN057359.D (-615) (-)



#18

Methyl Acetate

Concen: 44.834 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN057359.D

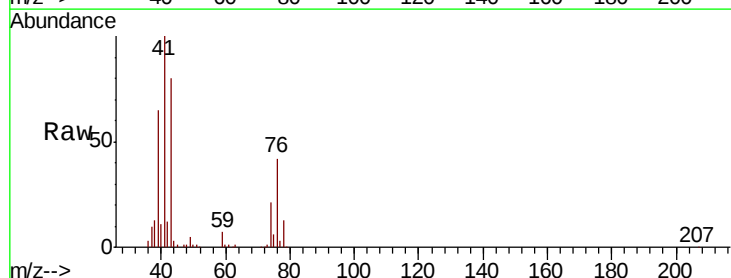
Acq: 16 Aug 2019 17:09

Tgt Ion: 43 Resp: 406337

Ion Ratio Lower Upper

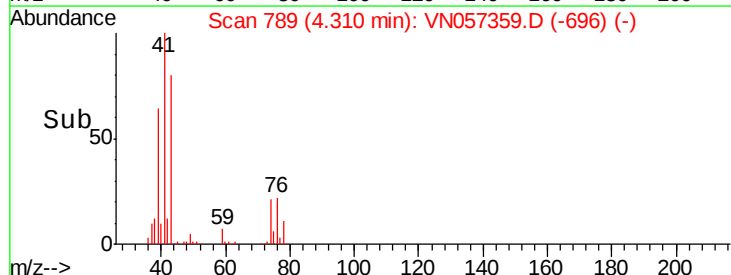
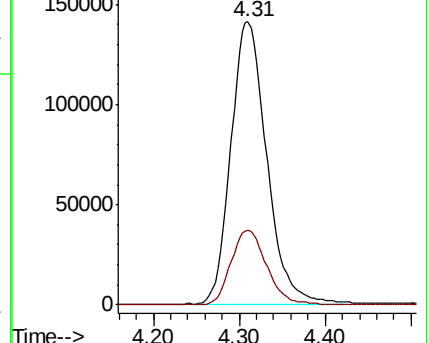
43 100

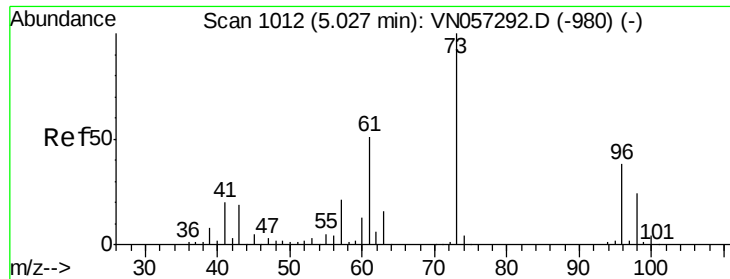
74 26.5 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN057359.D (-696) (-)

Ion 74.00 (73.70 to 74.70): VN057359.D (-696) (-)

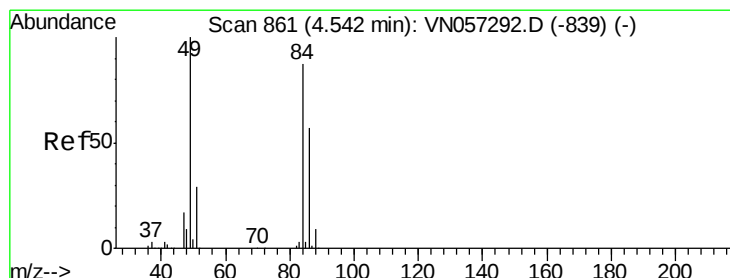
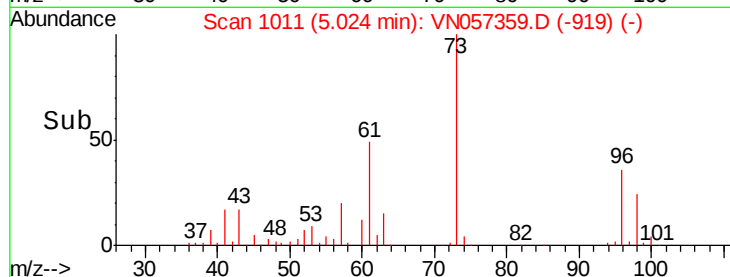
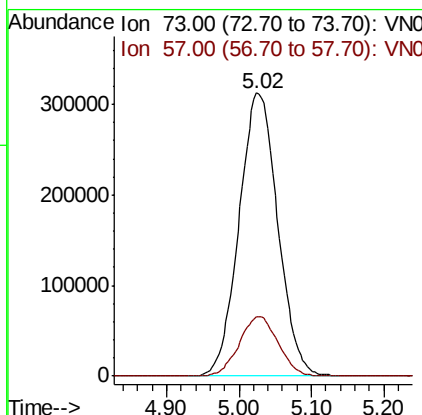
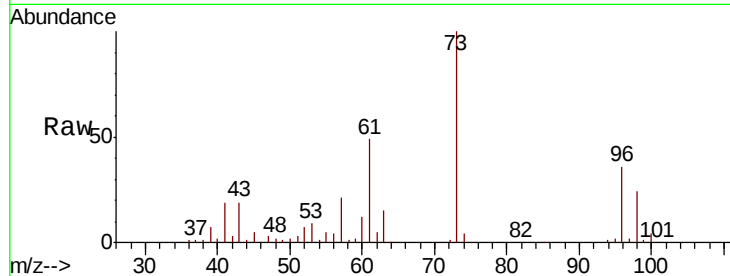




#19
Methyl tert-butyl Ether
Concen: 47.198 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

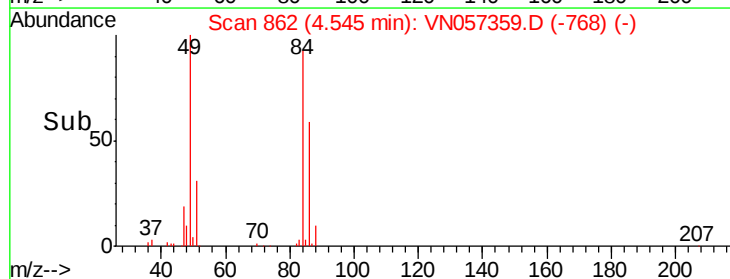
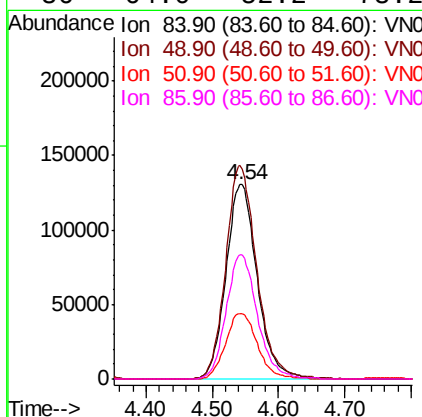
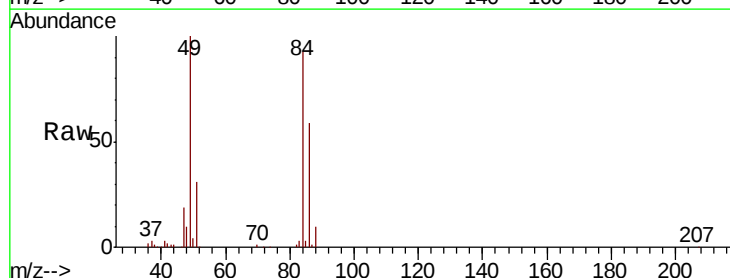
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

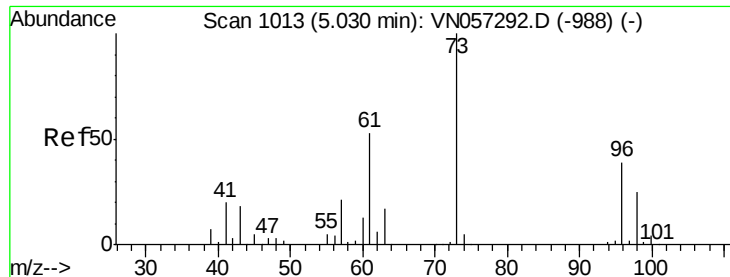
Tgt Ion: 73 Resp: 1162209
Ion Ratio Lower Upper
73 100
57 20.8 16.9 25.3



#20
Methylene Chloride
Concen: 45.354 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion: 84 Resp: 428032
Ion Ratio Lower Upper
84 100
49 107.8 92.0 138.0
51 33.7 27.1 40.7
86 64.0 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 46.229 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

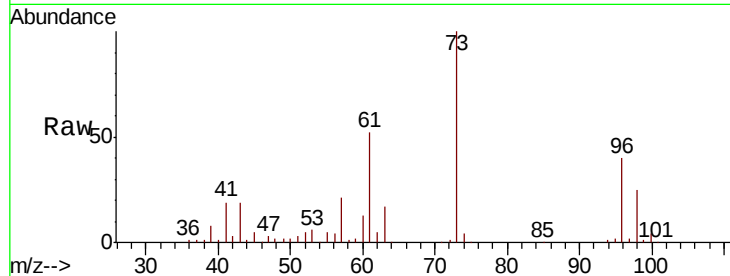
Tgt Ion: 96 Resp: 390139

Ion Ratio Lower Upper

96 100

61 129.2 109.5 164.3

98 62.5 51.0 76.6

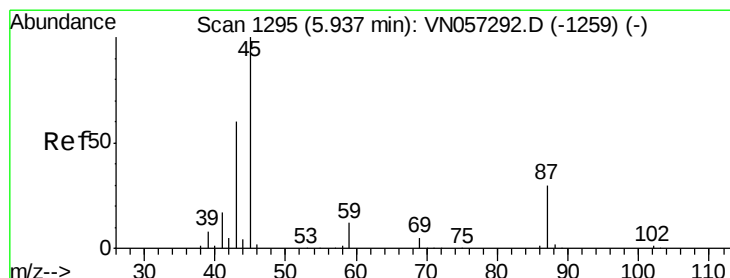
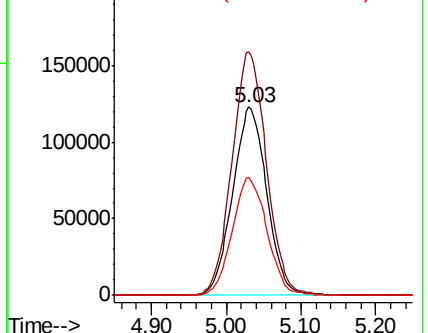
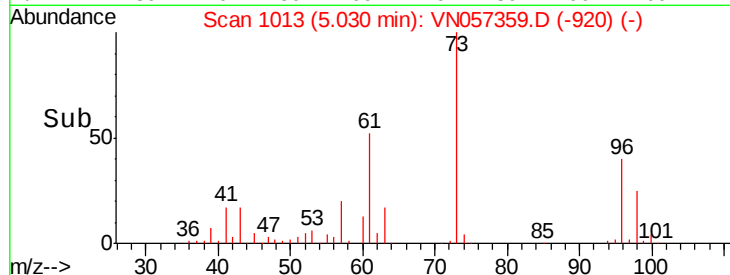


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 45.797 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Tgt Ion: 45 Resp: 1138072

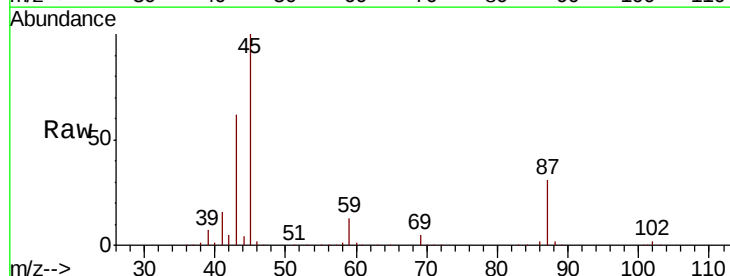
Ion Ratio Lower Upper

45 100

43 61.7 48.3 72.5

87 31.1 24.6 36.8

59 12.6 9.8 14.8



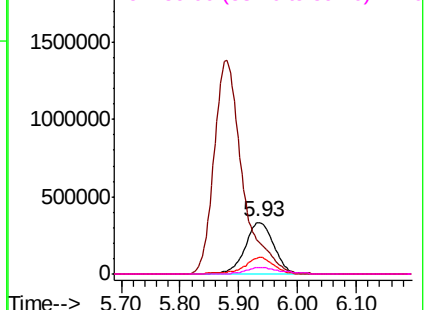
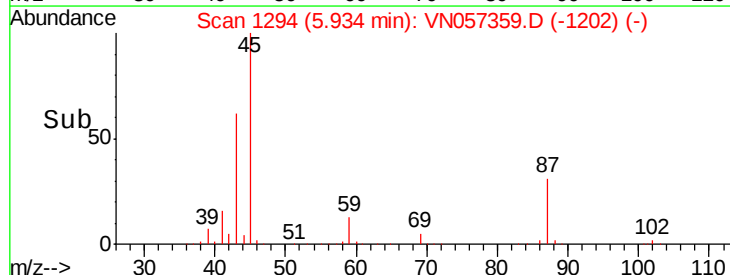
Abundance

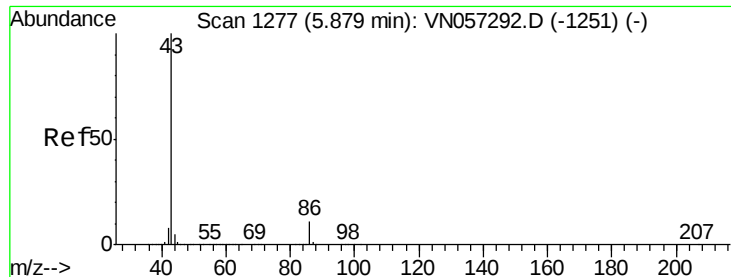
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 231.741 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

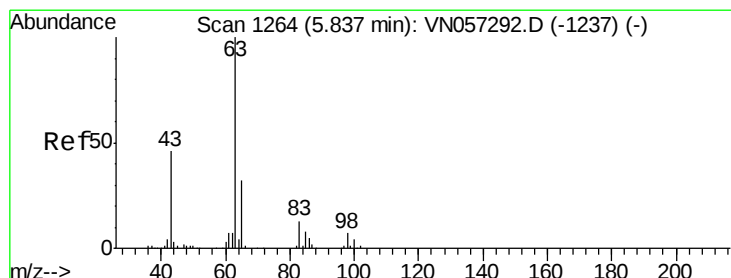
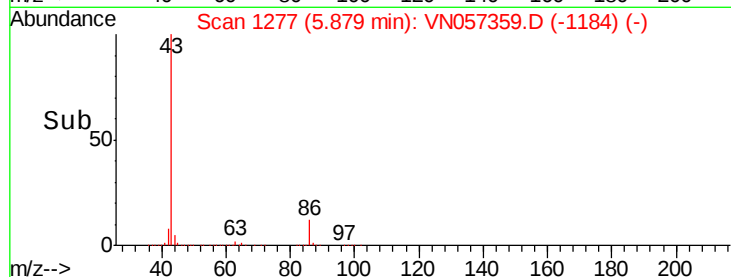
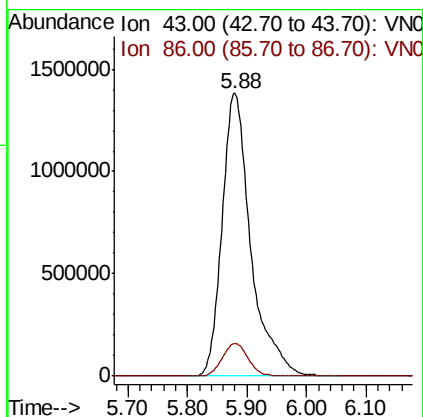
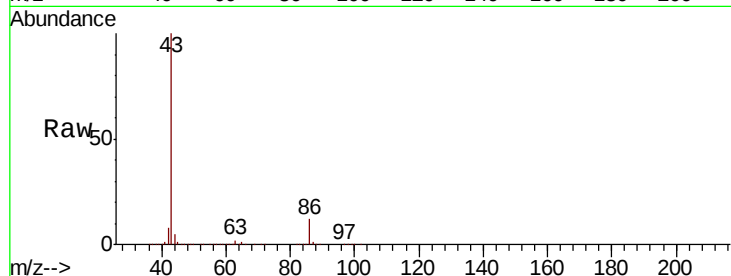
VSTDCCC050

Tgt Ion: 43 Resp: 4634727

Ion Ratio Lower Upper

43 100

86 11.7 8.7 13.1



#24

1,1-Dichloroethane

Concen: 45.434 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

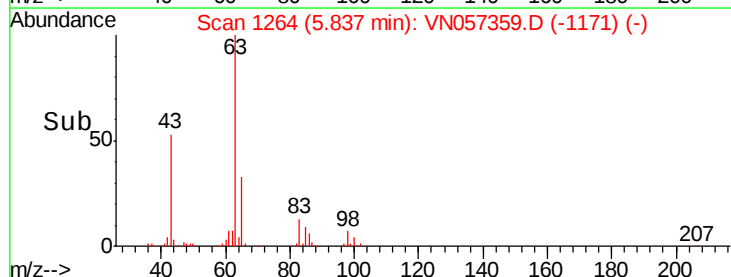
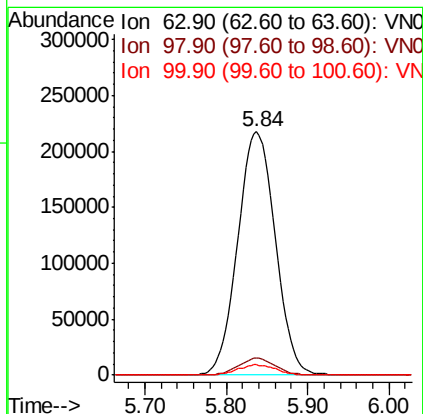
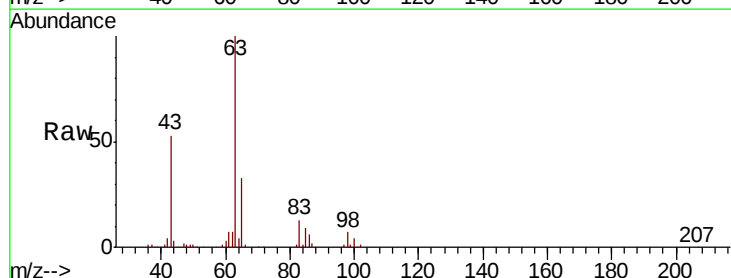
Tgt Ion: 63 Resp: 694621

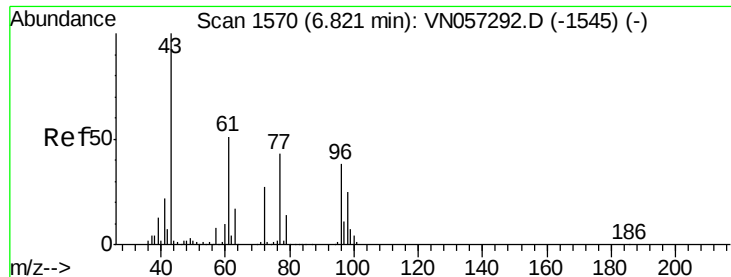
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.9

100 4.1 2.1 6.5

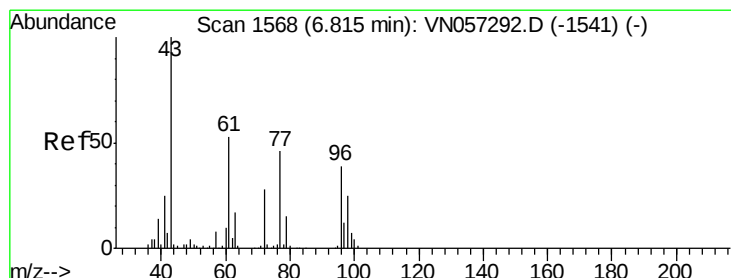
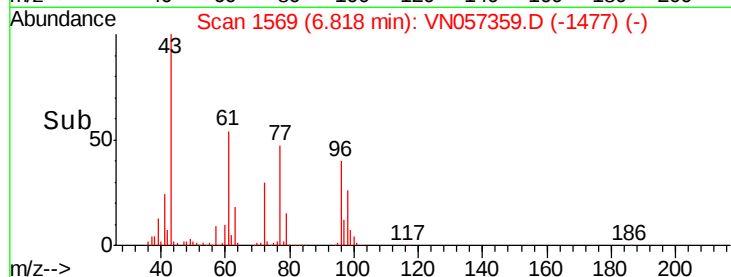
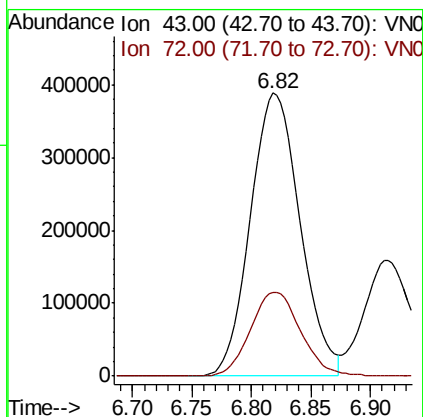
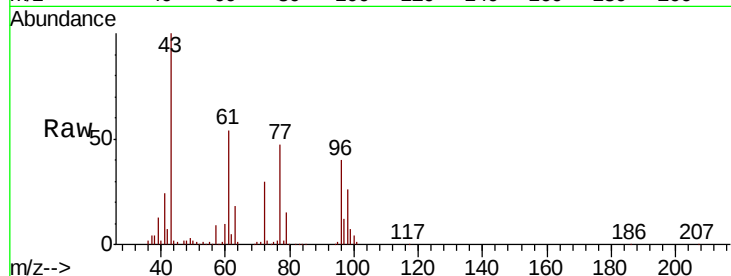




#25
 2-Butanone
 Concen: 230.021 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

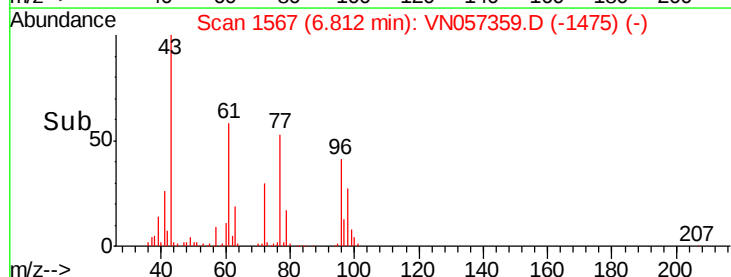
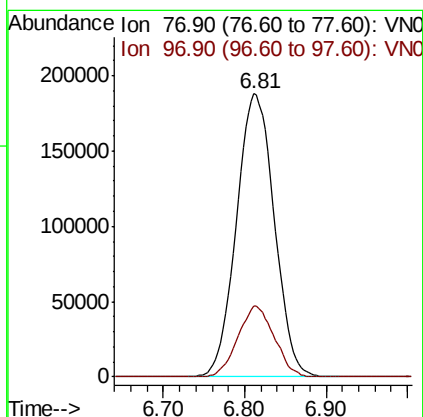
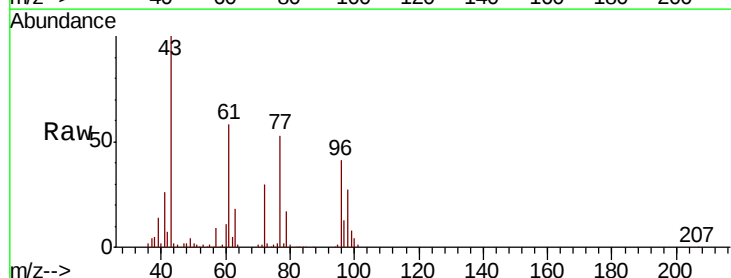
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

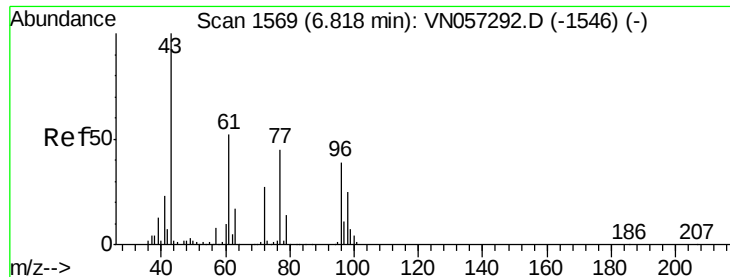
Tgt Ion: 43 Resp: 1123551
 Ion Ratio Lower Upper
 43 100
 72 29.6 21.5 32.3



#26
 2,2-Dichloropropane
 Concen: 48.899 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Tgt Ion: 77 Resp: 604182
 Ion Ratio Lower Upper
 77 100
 97 24.0 12.3 36.9

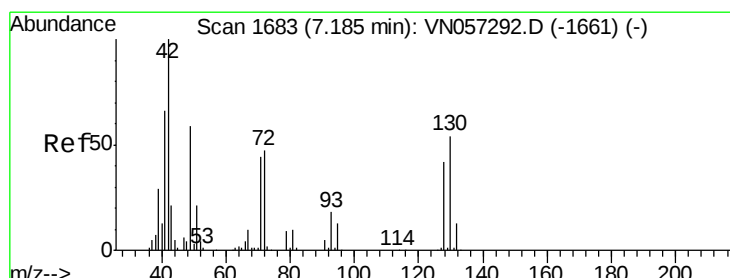
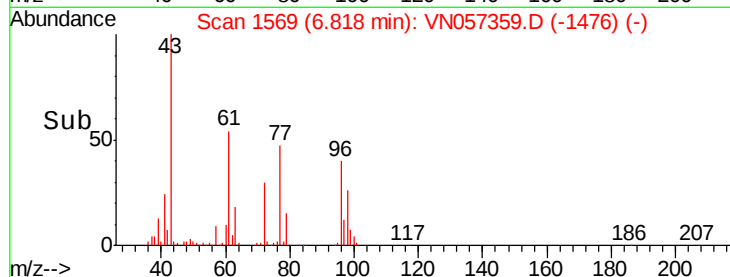
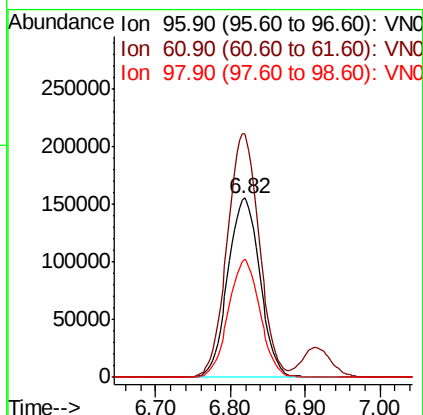
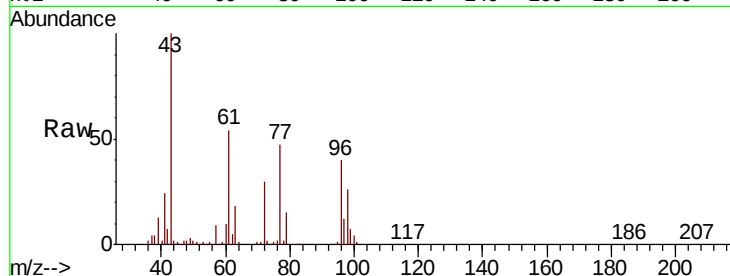




#27
 cis-1,2-Dichloroethene
 Concen: 46.597 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

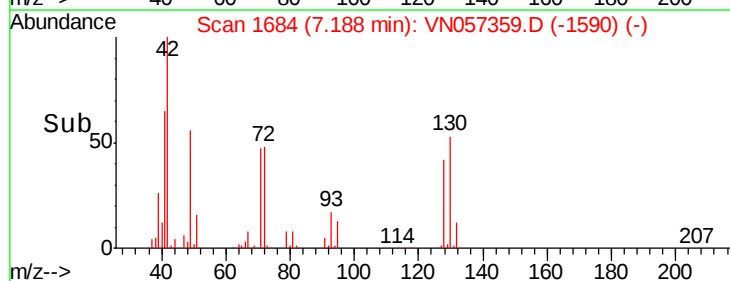
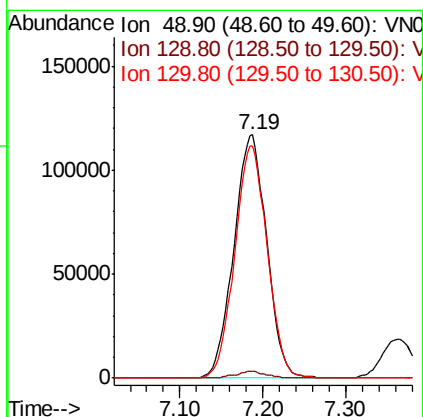
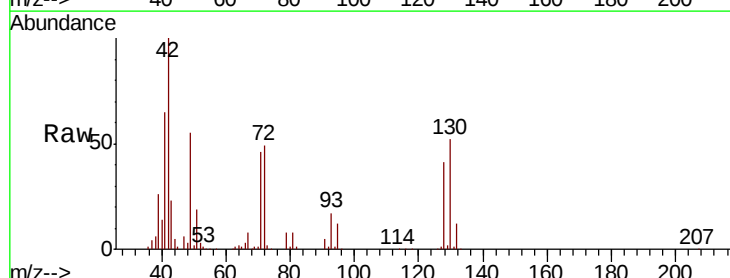
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

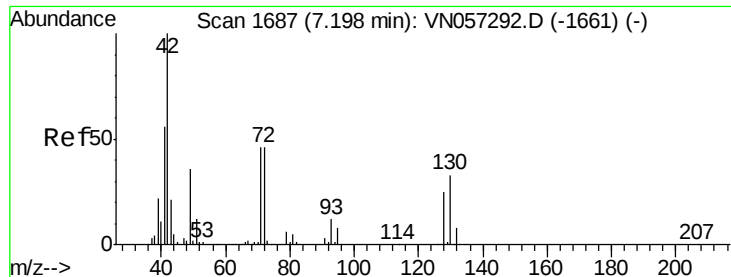
Tgt Ion: 96 Resp: 465560
 Ion Ratio Lower Upper
 96 100
 61 135.0 0.0 272.0
 98 64.2 0.0 130.4



#28
 Bromochloromethane
 Concen: 47.424 ug/l
 RT: 7.19 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Tgt Ion: 49 Resp: 322147
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 2.0#
 130 94.2 73.2 109.8

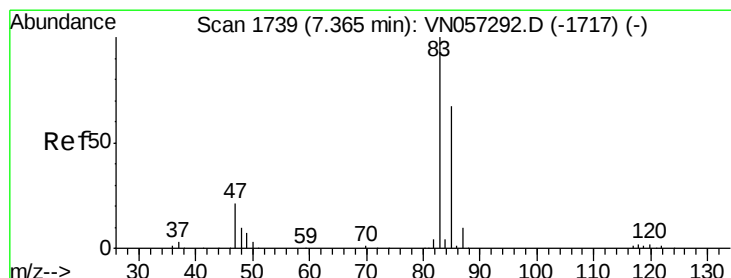
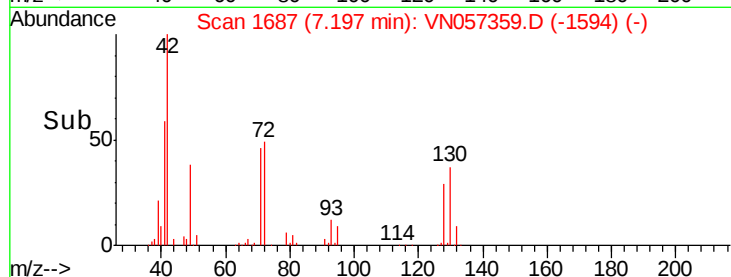
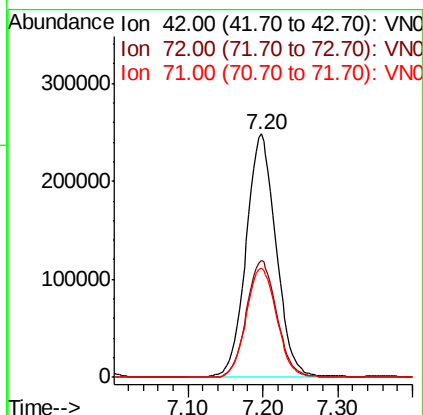
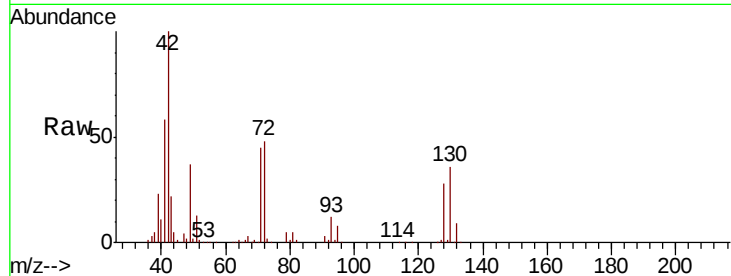




#29
Tetrahydrofuran
Concen: 224.636 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

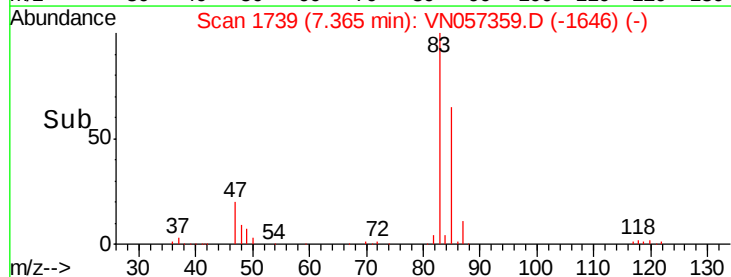
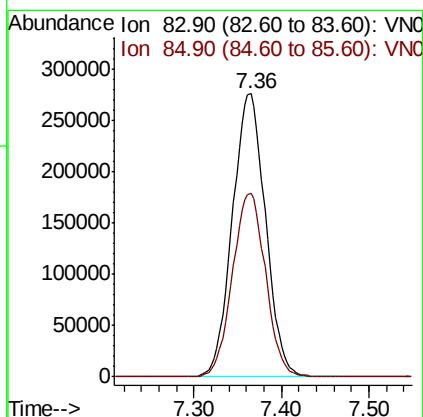
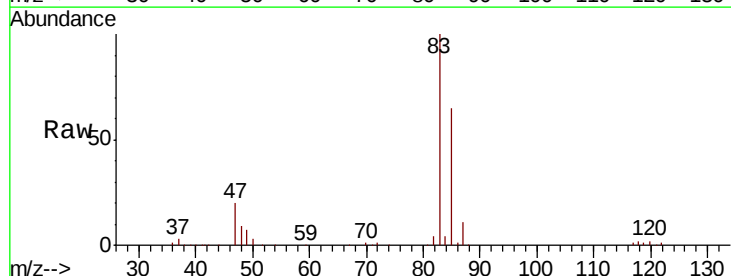
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

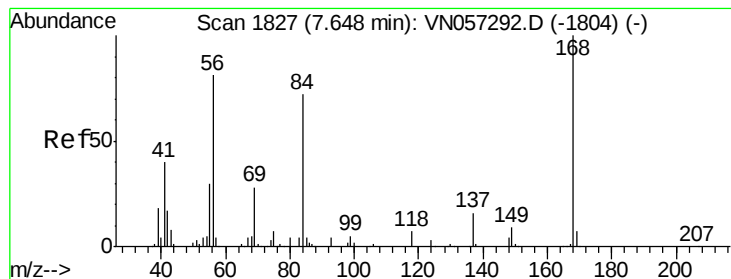
Tgt Ion: 42 Resp: 694392
Ion Ratio Lower Upper
42 100
72 48.4 37.8 56.6
71 45.6 35.7 53.5



#30
Chloroform
Concen: 45.292 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion: 83 Resp: 725658
Ion Ratio Lower Upper
83 100
85 64.8 53.3 79.9





#31

Cyclohexane

Concen: 43.525 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

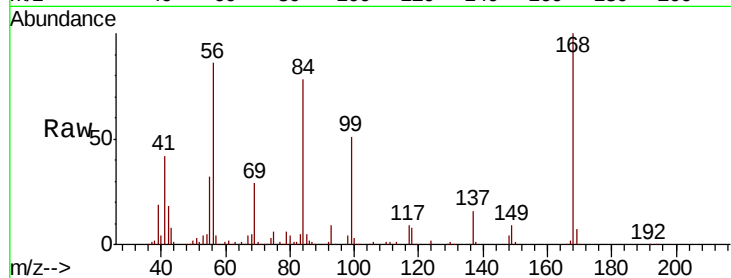
Tgt Ion: 56 Resp: 576660

Ion Ratio Lower Upper

56 100

69 33.6 27.3 40.9

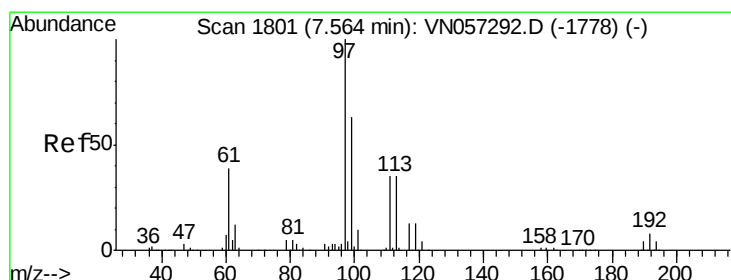
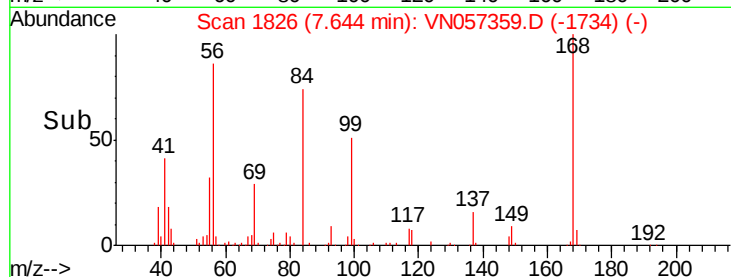
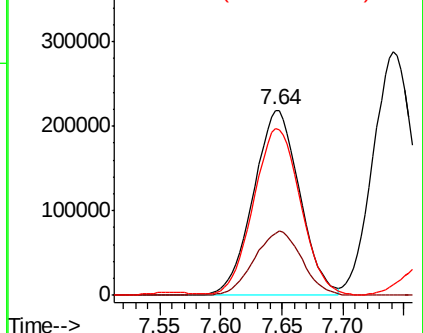
84 88.8 71.0 106.6



Abundance Ion 56.00 (55.70 to 56.70): VN057292.D (-1804) (-)

Ion 69.00 (68.70 to 69.70): VN057292.D (-1804) (-)

Ion 84.00 (83.70 to 84.70): VN057292.D (-1804) (-)



#32

1,1,1-Trichloroethane

Concen: 47.822 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

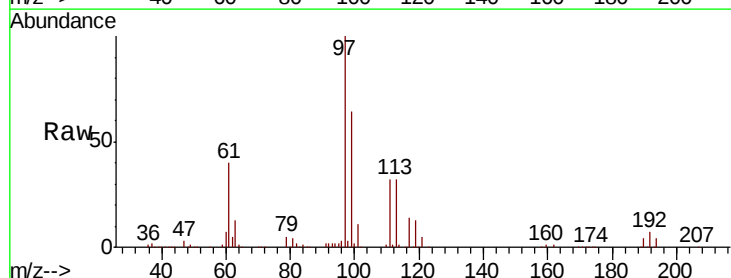
Tgt Ion: 97 Resp: 644437

Ion Ratio Lower Upper

97 100

99 64.1 50.3 75.5

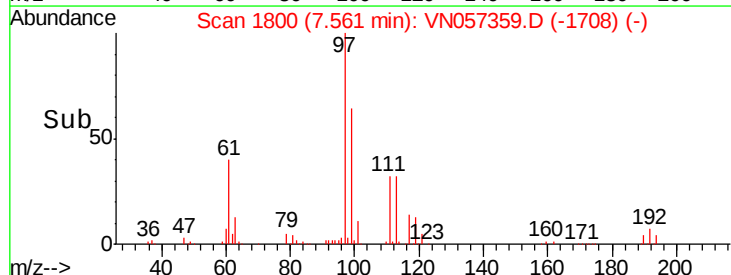
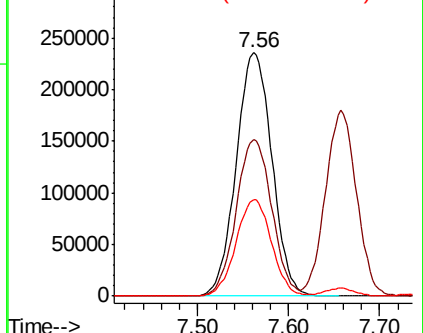
61 39.4 31.3 46.9

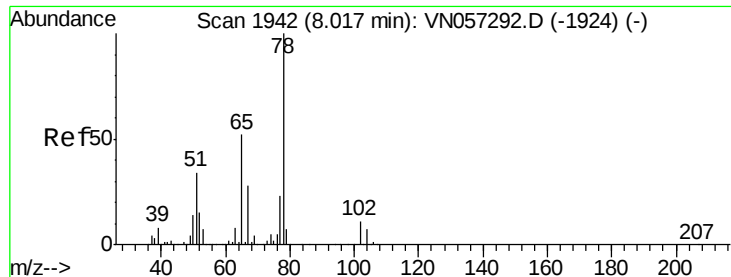


Abundance Ion 96.90 (96.60 to 97.60): VN057292.D (-1778) (-)

Ion 98.90 (98.60 to 99.60): VN057292.D (-1778) (-)

Ion 60.90 (60.60 to 61.60): VN057292.D (-1778) (-)

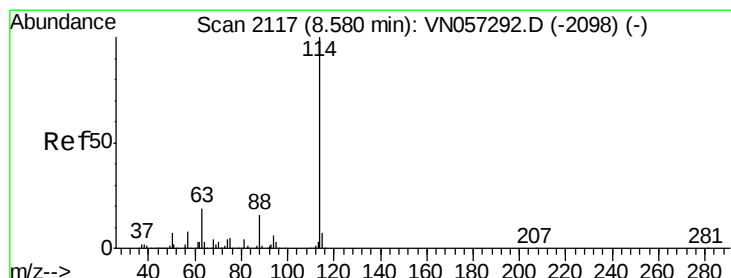
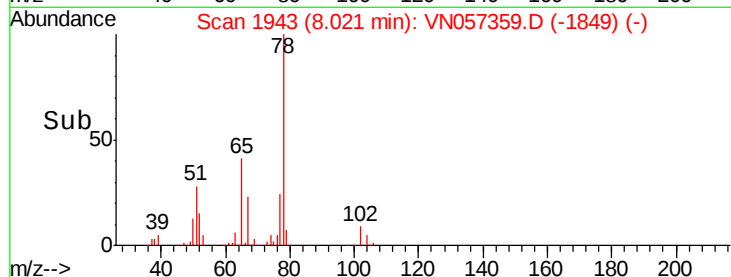
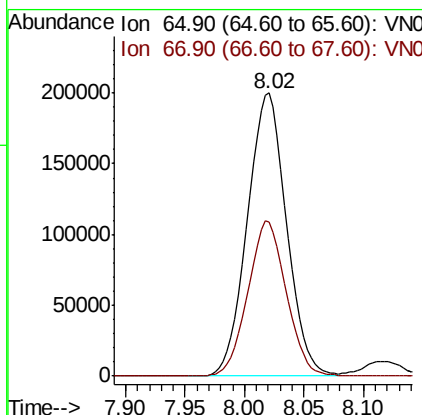
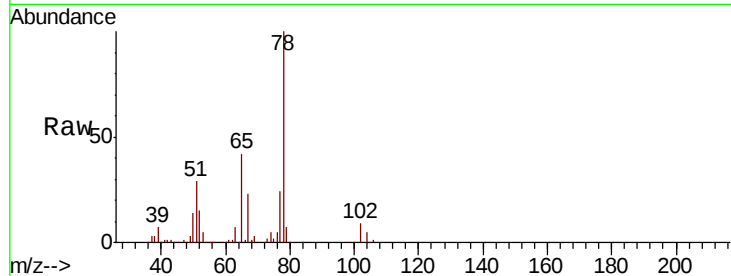




#33
 1,2-Dichloroethane-d4
 Concen: 46.883 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

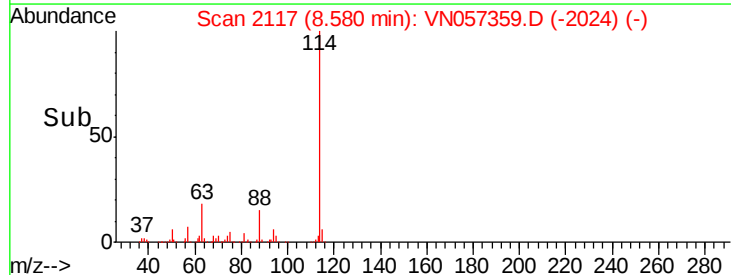
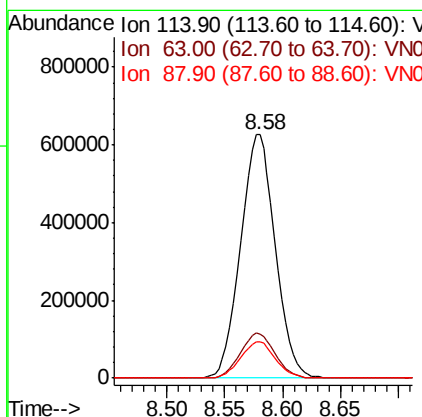
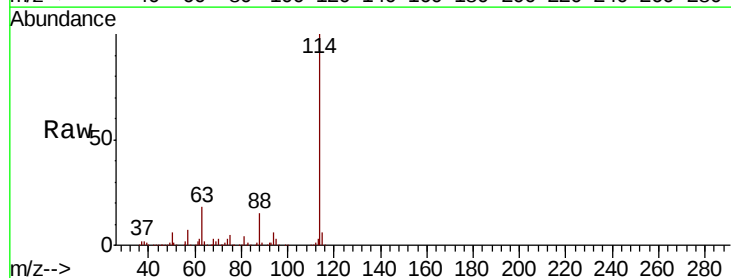
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

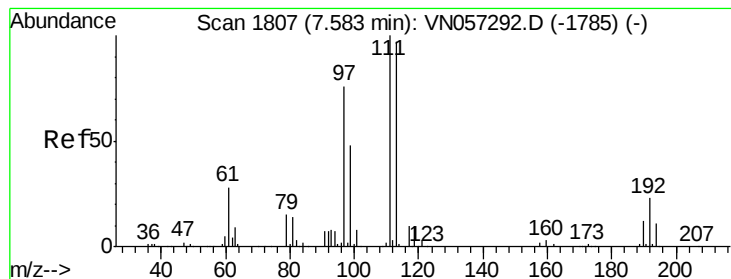
Tgt Ion: 65 Resp: 455863
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Tgt Ion: 114 Resp: 1301464
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 38.8
 88 14.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.421 ug/l

RT: 7.58 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

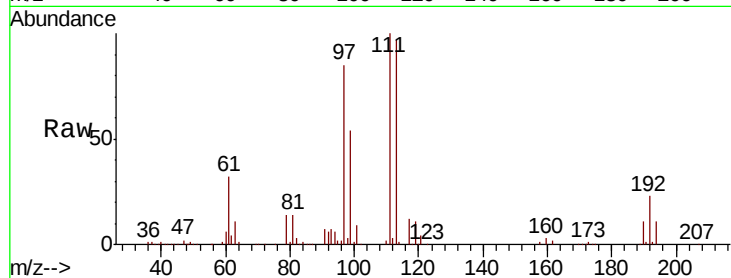
Tgt Ion:113 Resp: 413098

Ion Ratio Lower Upper

113 100

111 103.7 82.1 123.1

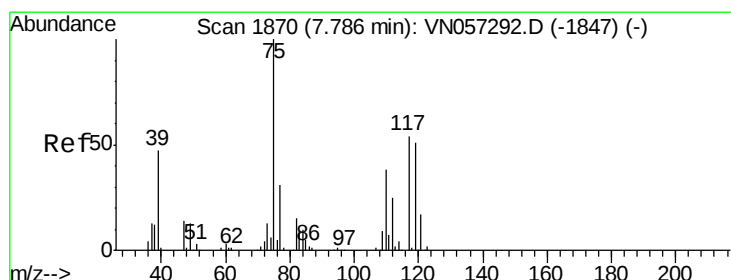
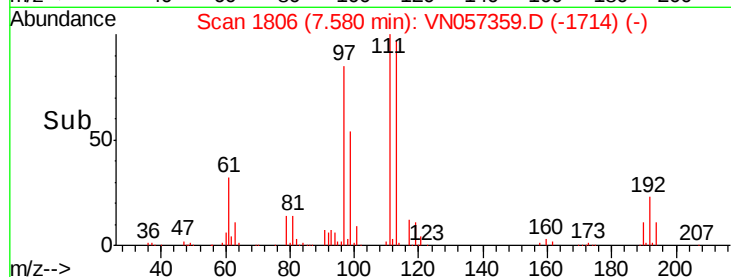
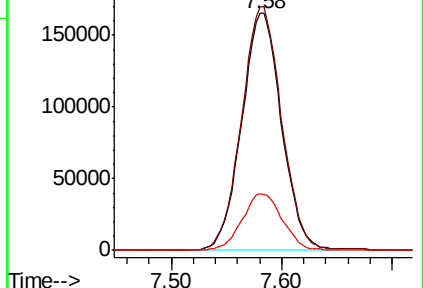
192 24.0 19.3 28.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.270 ug/l

RT: 7.79 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

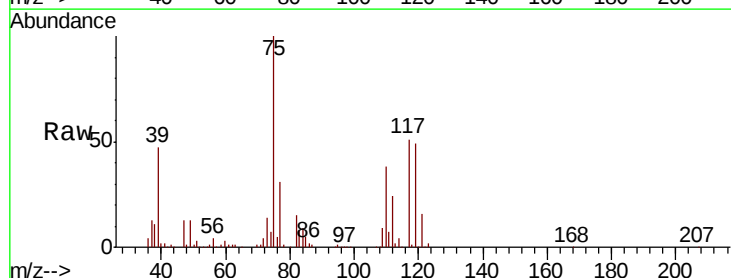
Tgt Ion: 75 Resp: 531698

Ion Ratio Lower Upper

75 100

110 38.3 19.5 58.5

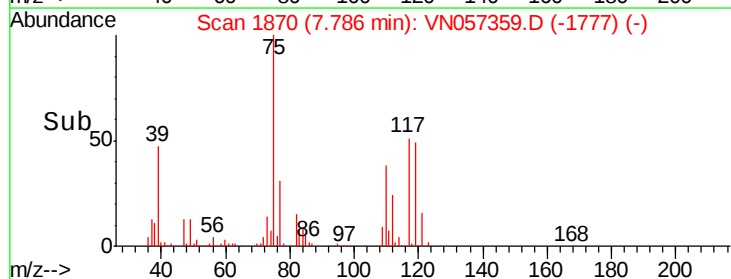
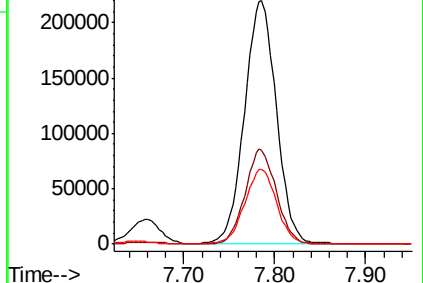
77 31.3 25.0 37.6

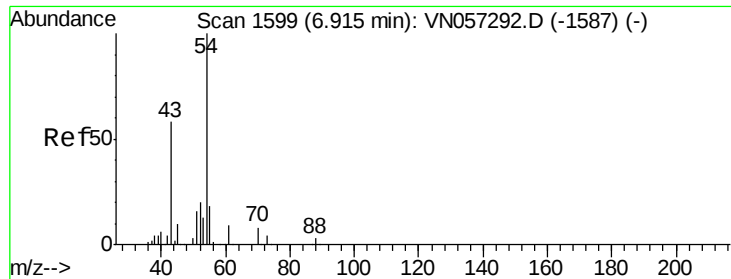


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

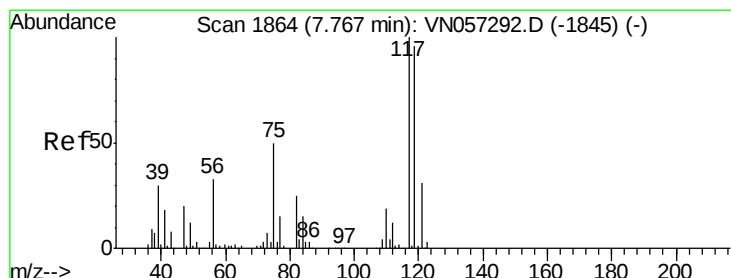
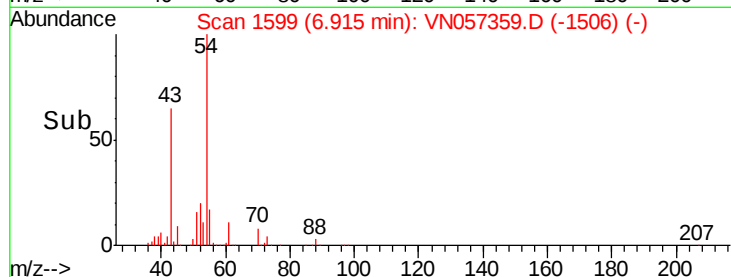
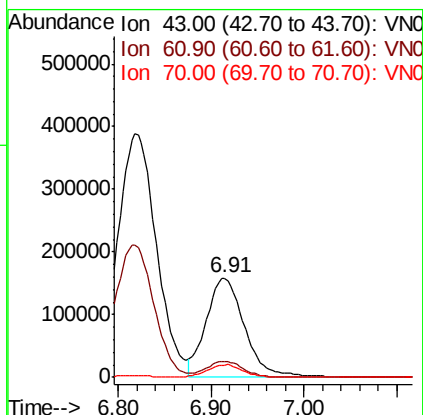
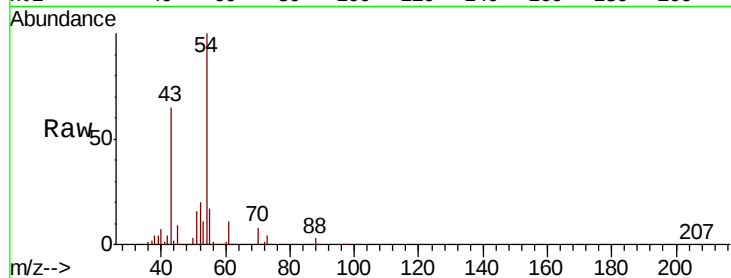




#37
 Ethyl Acetate
 Concen: 47.576 ug/l
 RT: 6.91 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

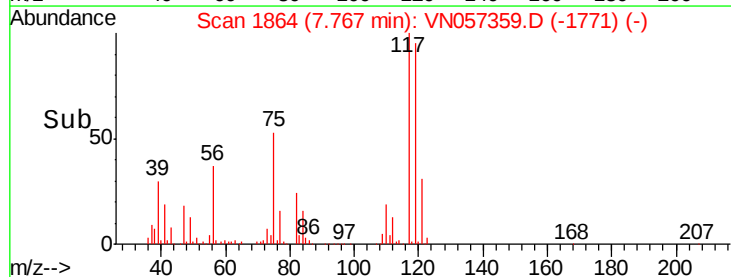
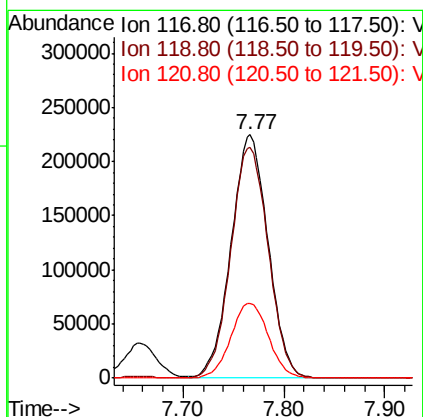
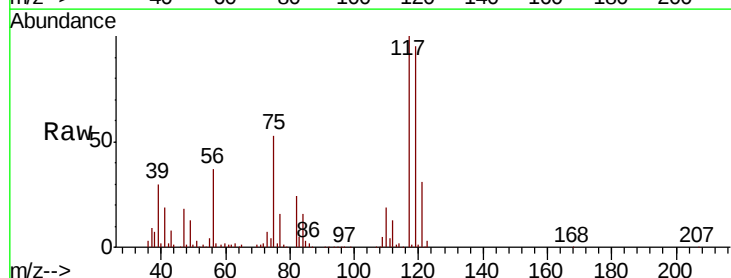
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

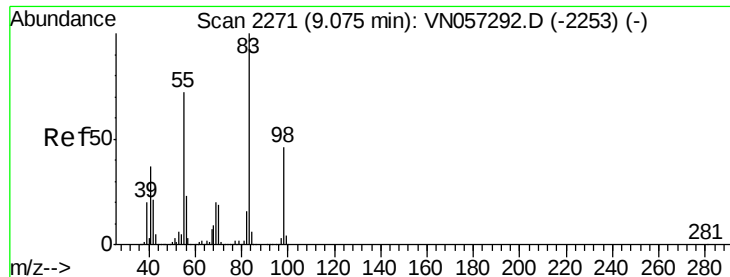
Tgt Ion: 43 Resp: 447768
 Ion Ratio Lower Upper
 43 100
 61 15.1 12.0 18.0
 70 12.0 9.2 13.8



#38
 Carbon Tetrachloride
 Concen: 47.818 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Tgt Ion: 117 Resp: 570921
 Ion Ratio Lower Upper
 117 100
 119 94.8 76.8 115.2
 121 30.9 25.0 37.4

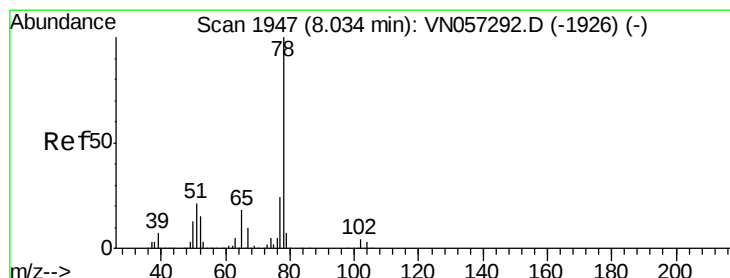
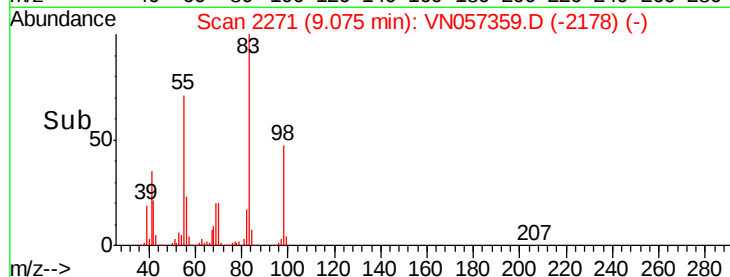
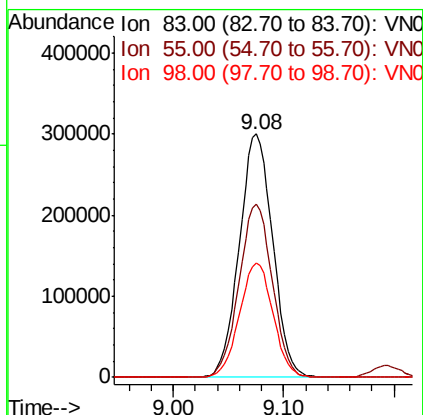
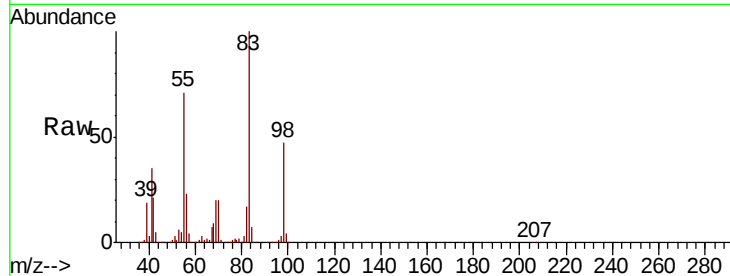




#39
Methylcyclohexane
Concen: 46.895 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

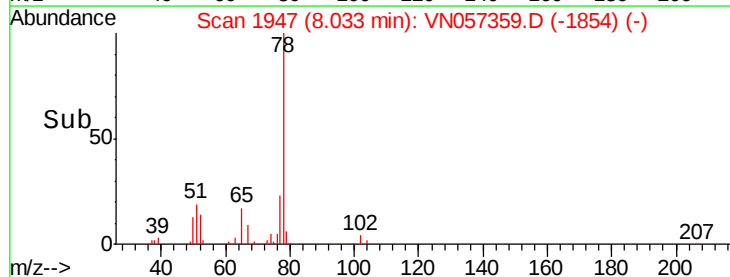
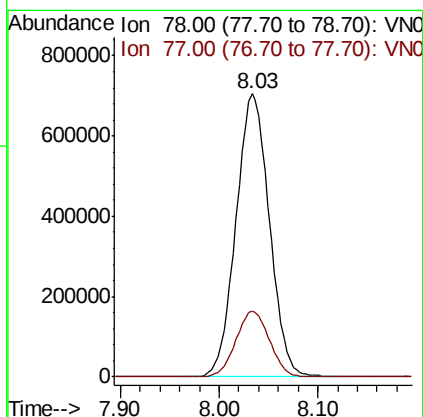
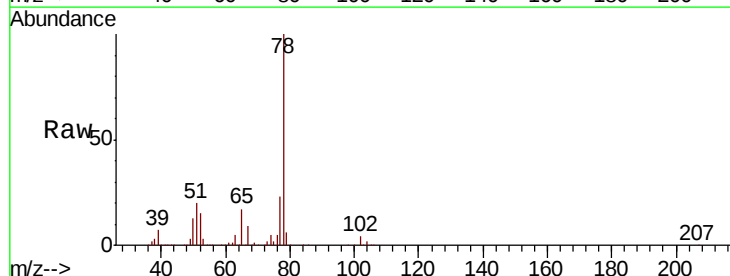
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

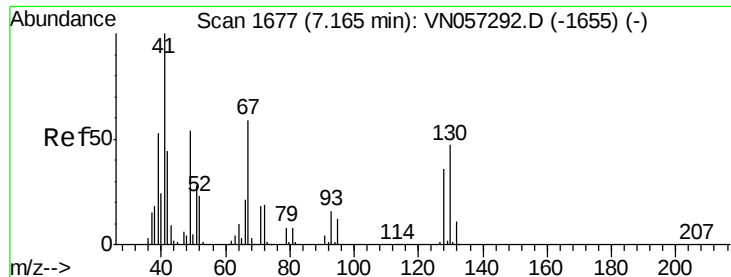
Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.1	57.5	86.3
98	46.8	36.6	55.0



#40
Benzene
Concen: 46.919 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7

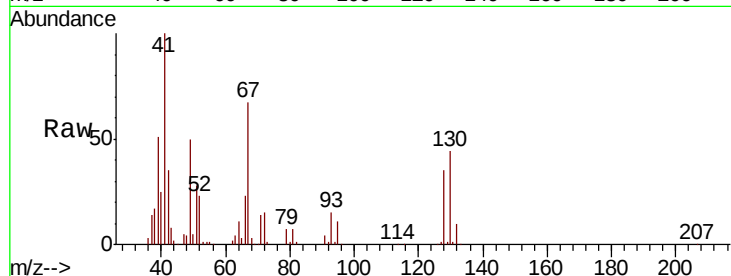




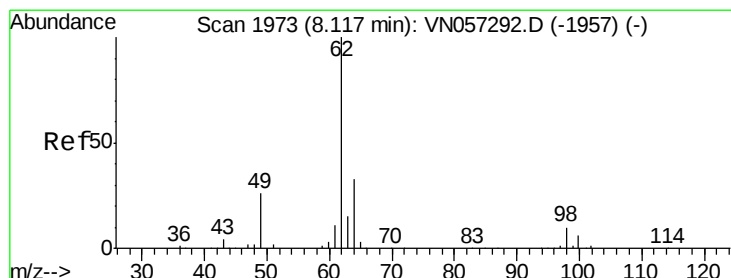
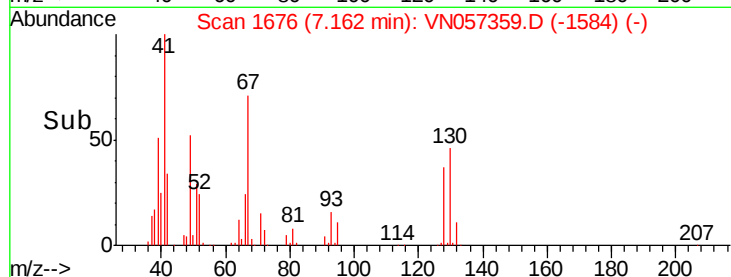
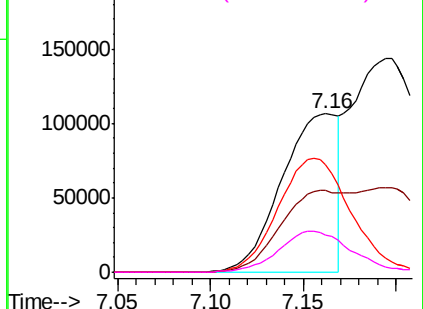
#41
Methacrylonitrile
Concen: 52.889 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	224163
Ion	Ratio	Lower	Upper
41	100		
39	52.0	0.0	0.0#
67	93.7	0.0	0.0#
52	33.9	0.0	0.0#

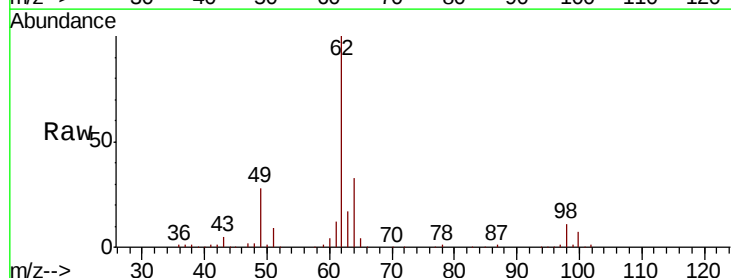


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

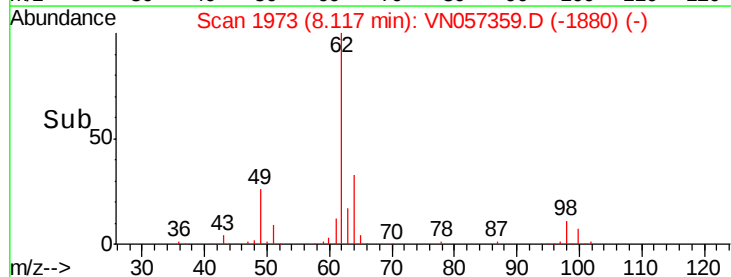
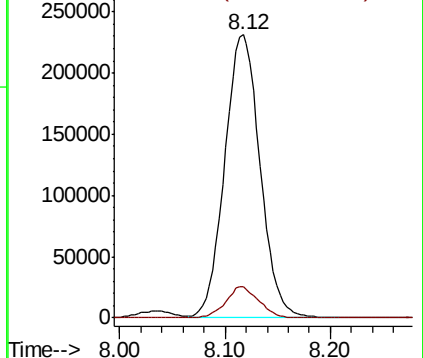


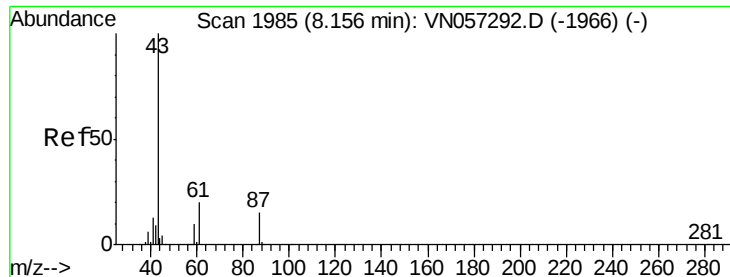
#42
1,2-Dichloroethane
Concen: 45.944 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion:	62	Resp:	534444
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	19.4



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





#43

Isopropyl Acetate

Concen: 44.598 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

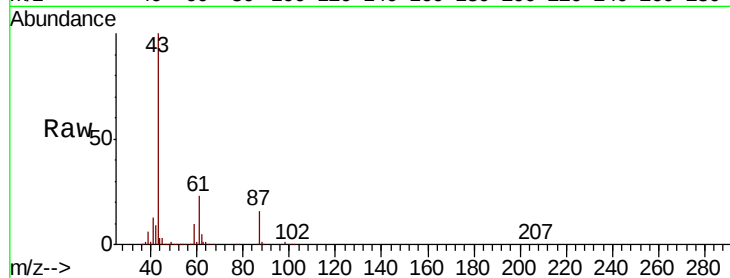
Tgt Ion: 43 Resp: 769714

Ion Ratio Lower Upper

43 100

61 29.8 21.6 32.4

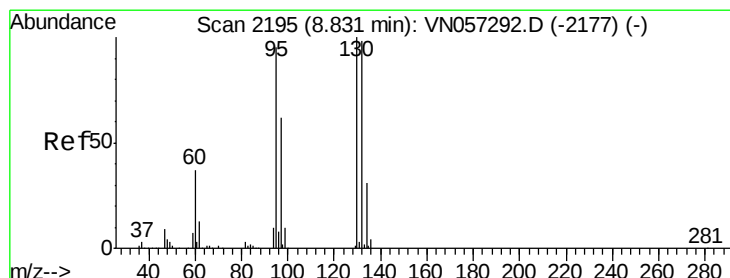
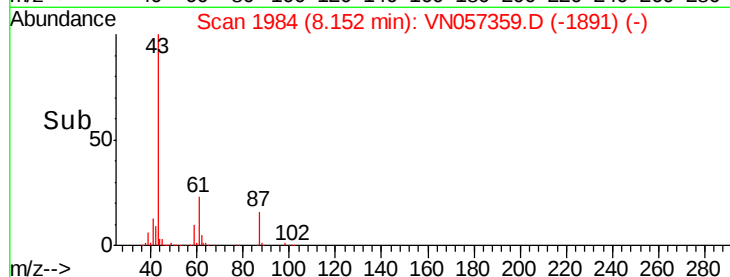
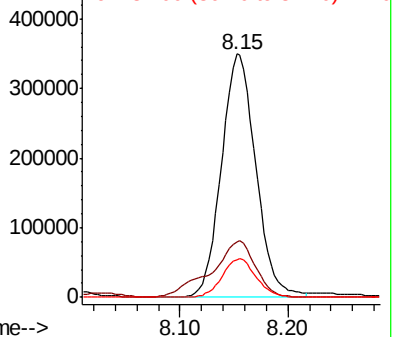
87 15.7 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VN057292.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057292.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057292.D (-1966) (-)



#44

Trichloroethene

Concen: 47.897 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VN057359.D

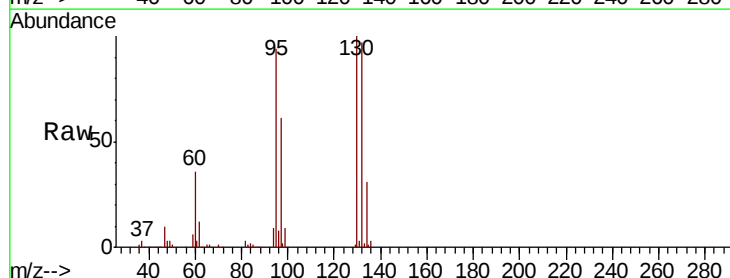
Acq: 16 Aug 2019 17:09

Tgt Ion: 130 Resp: 473289

Ion Ratio Lower Upper

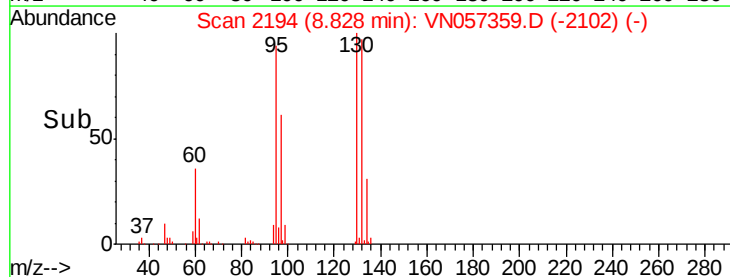
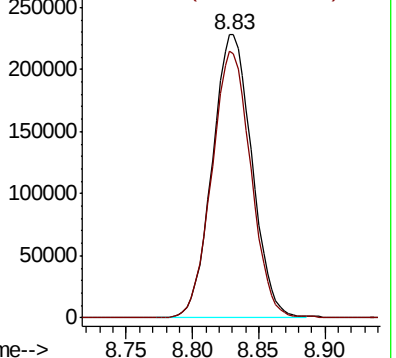
130 100

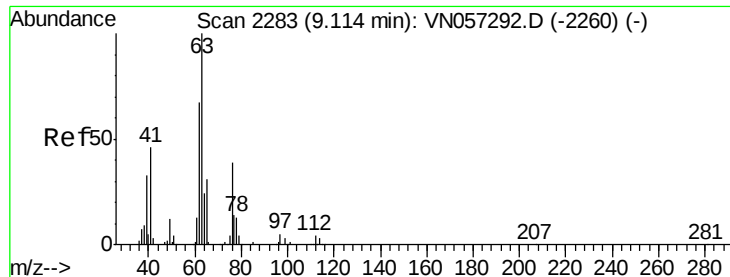
95 94.2 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): VN057292.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057292.D (-2177) (-)





#45

1,2-Dichloropropane

Concen: 46.783 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

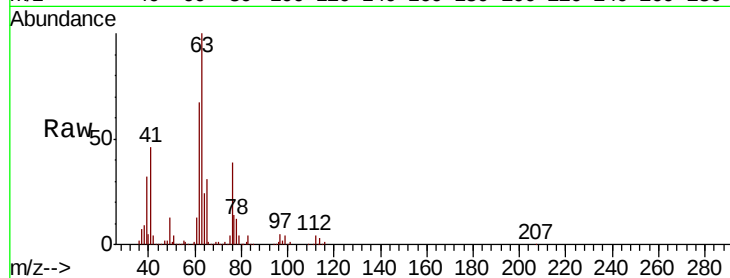
VSTDCCC050

Tgt Ion: 63 Resp: 423830

Ion Ratio Lower Upper

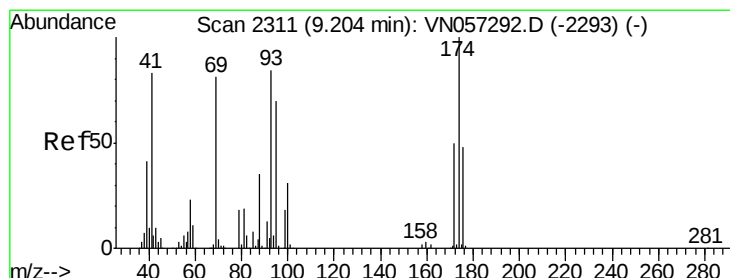
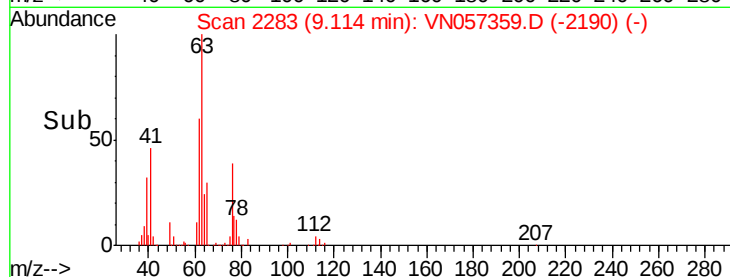
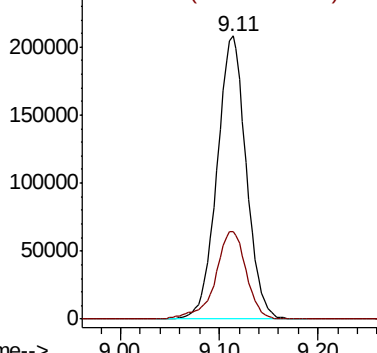
63 100

65 31.0 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 47.065 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

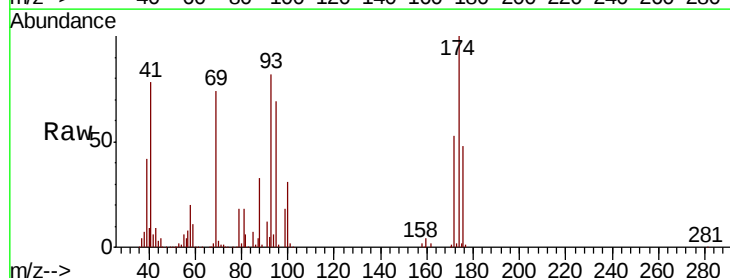
Tgt Ion: 93 Resp: 284450

Ion Ratio Lower Upper

93 100

95 84.5 66.5 99.7

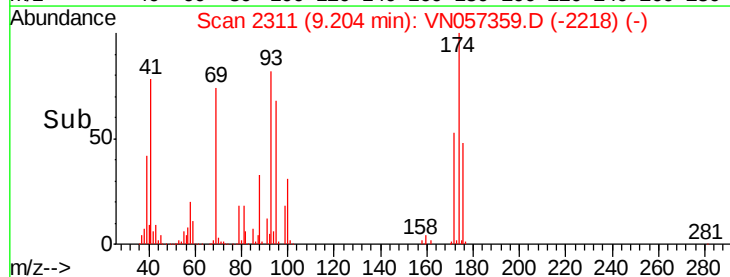
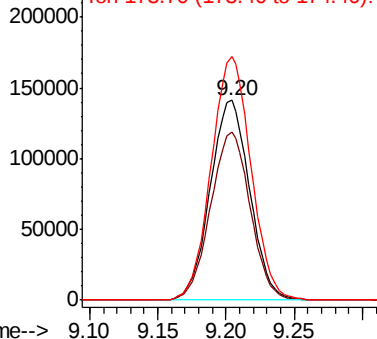
174 122.8 95.7 143.5

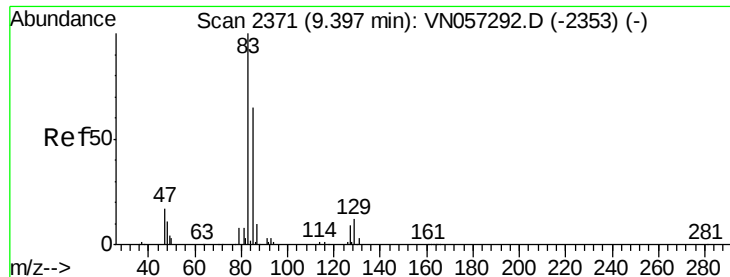


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.311 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

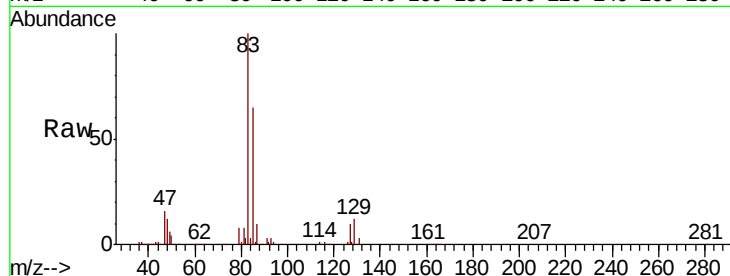
Tgt Ion: 83 Resp: 578512

Ion Ratio Lower Upper

83 100

85 65.4 51.9 77.9

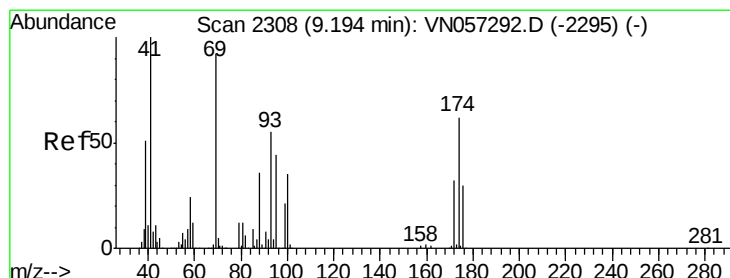
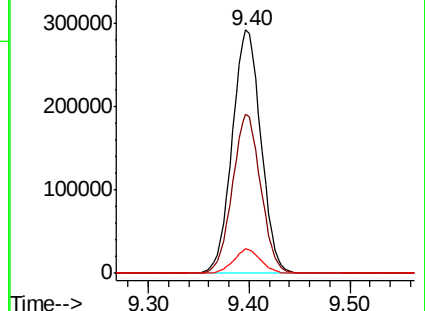
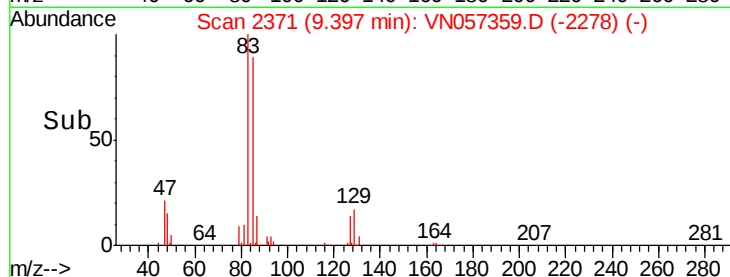
127 9.9 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN057359.D (-2278) (-)

Ion 84.90 (84.60 to 85.60): VN057359.D (-2278) (-)

Ion 126.80 (126.50 to 127.50): VN057359.D (-2278) (-)



#48

Methyl methacrylate

Concen: 46.074 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

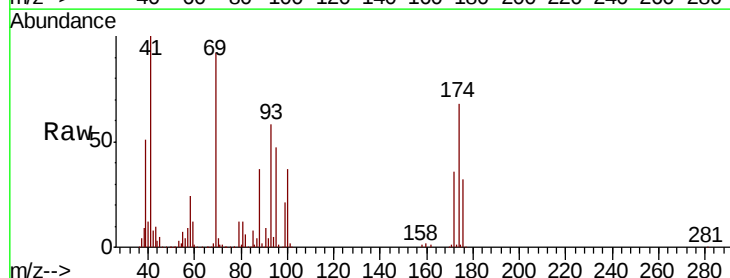
Tgt Ion: 41 Resp: 357091

Ion Ratio Lower Upper

41 100

69 97.3 75.9 113.9

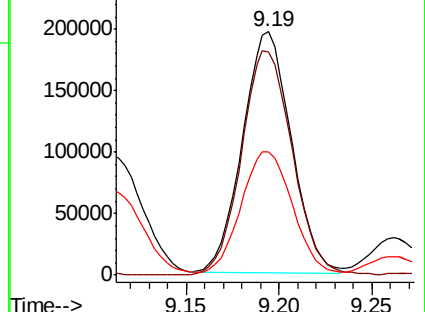
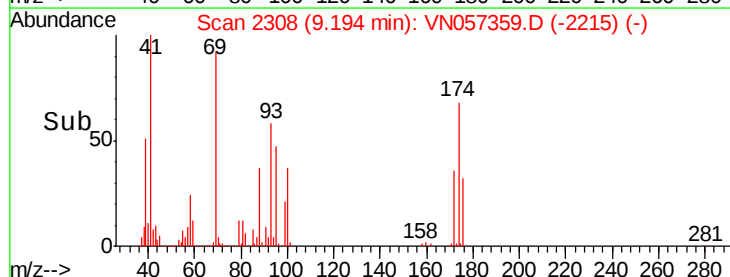
39 54.5 42.3 63.5

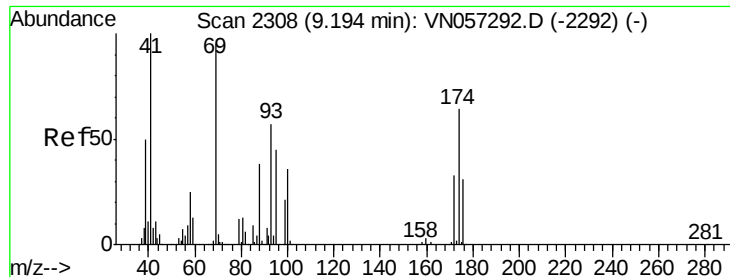


Abundance Ion 41.00 (40.70 to 41.70): VN057359.D (-2215) (-)

Ion 69.00 (68.70 to 69.70): VN057359.D (-2215) (-)

Ion 39.00 (38.70 to 39.70): VN057359.D (-2215) (-)

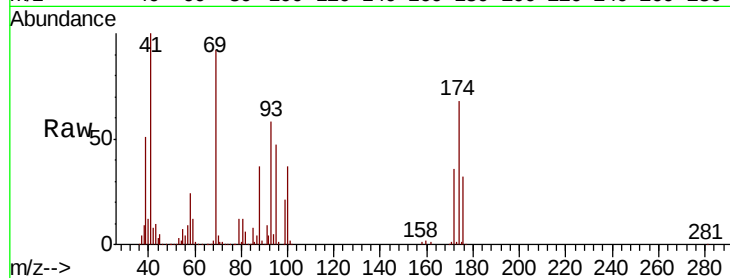




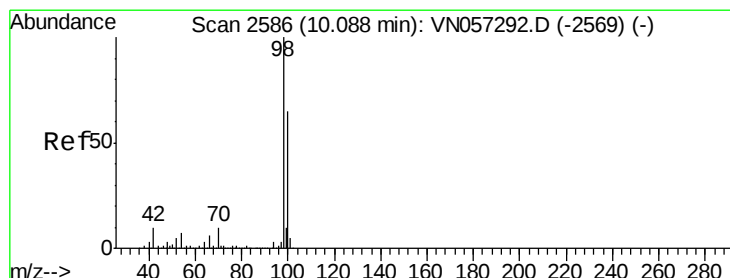
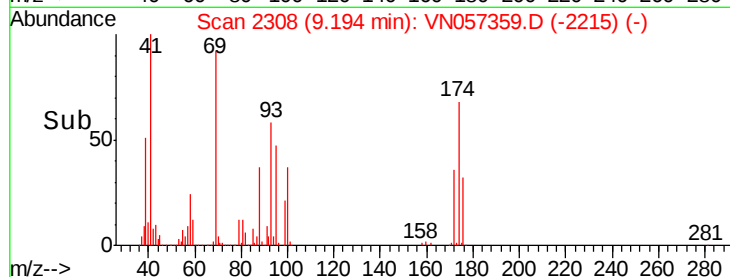
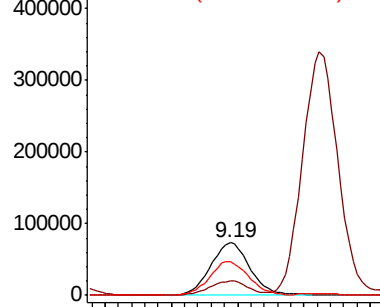
#49
1,4-Dioxane
Concen: 933.487 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 152145
Ion Ratio Lower Upper
88 100
43 26.4 22.9 34.3
58 64.1 52.7 79.1

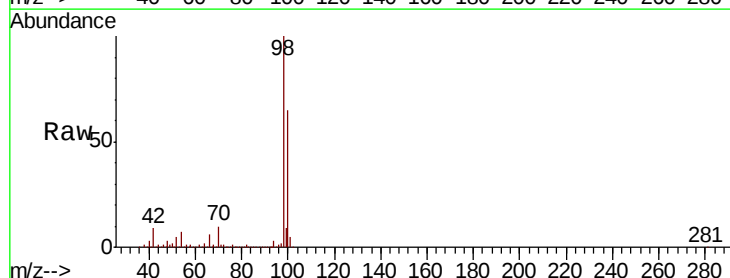


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

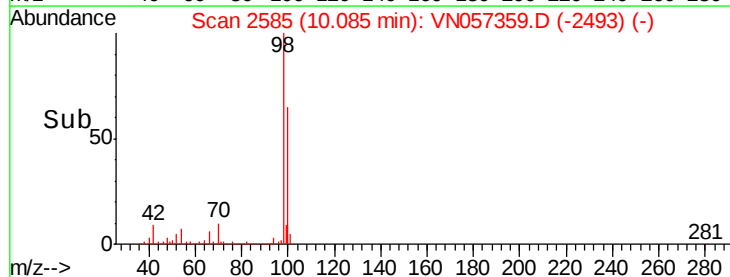
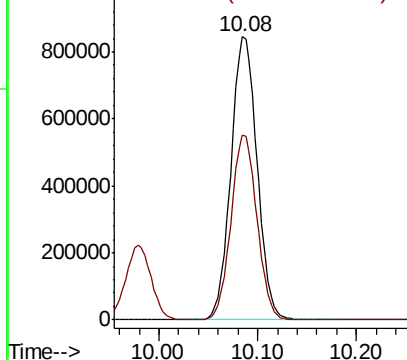


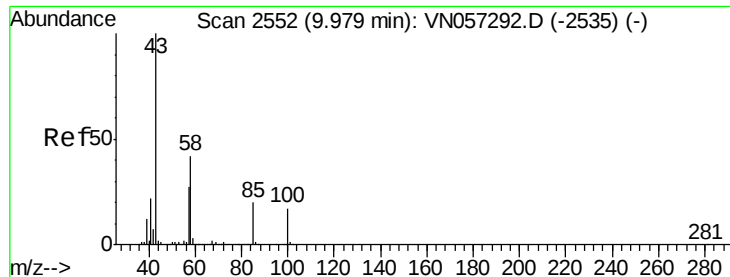
#50
Toluene-d8
Concen: 50.029 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion: 98 Resp: 1561082
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

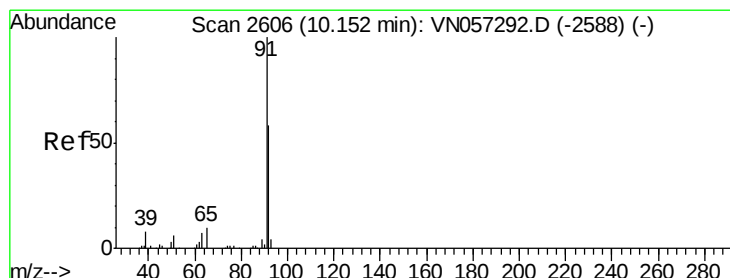
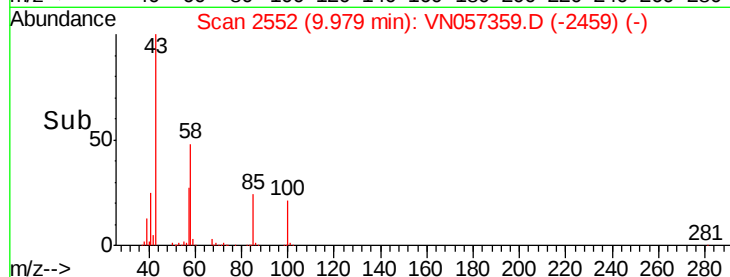
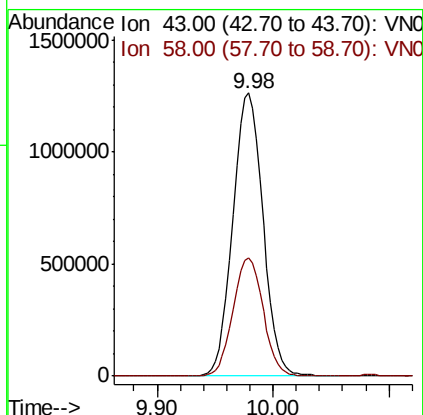
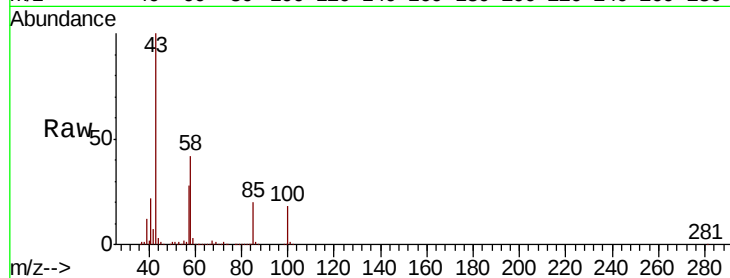




#51
 4-Methyl-2-Pentanone
 Concen: 233.701 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

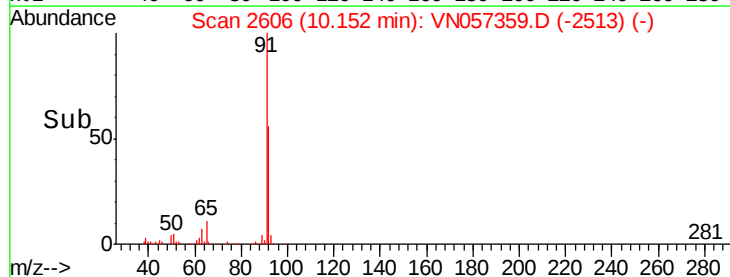
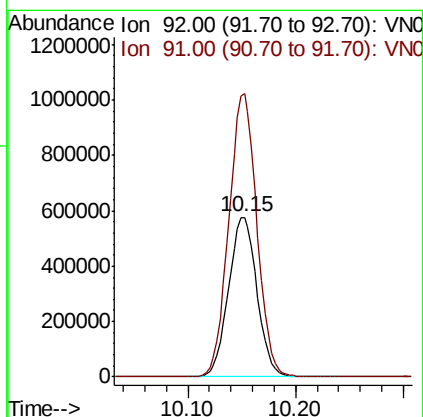
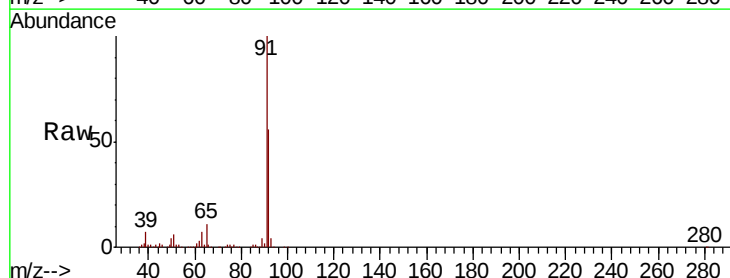
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

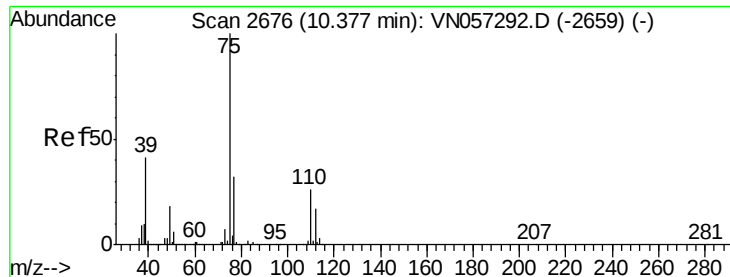
Tgt Ion: 43 Resp: 2269131
 Ion Ratio Lower Upper
 43 100
 58 41.8 33.2 49.8



#52
 Toluene
 Concen: 48.245 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Tgt Ion: 92 Resp: 1055433
 Ion Ratio Lower Upper
 92 100
 91 175.5 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 49.578 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

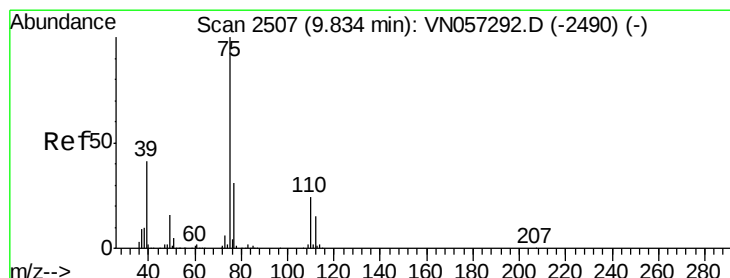
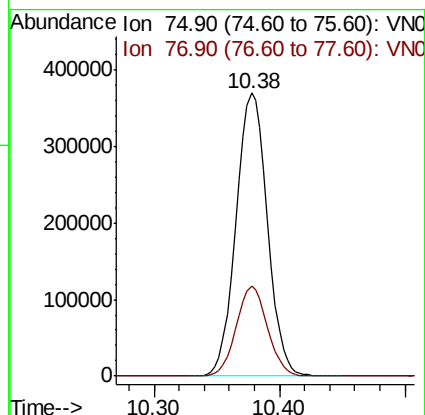
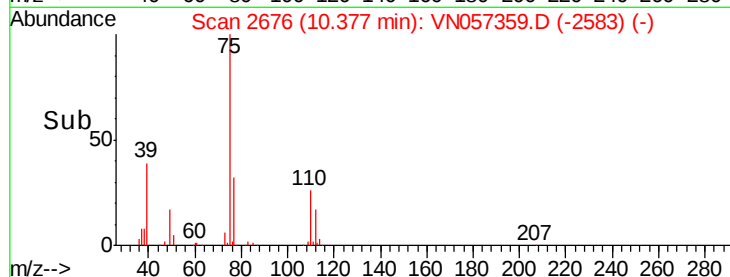
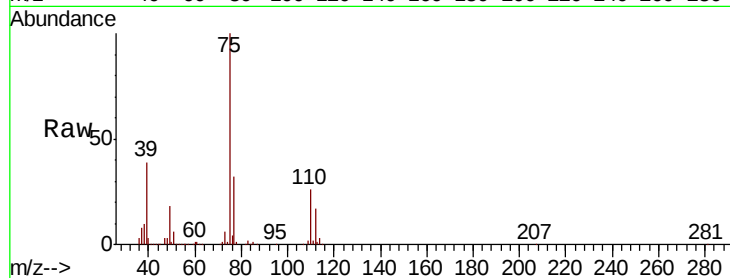
VSTDCCC050

Tgt Ion: 75 Resp: 642173

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 49.191 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

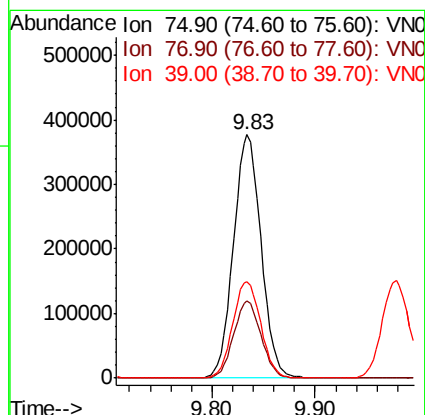
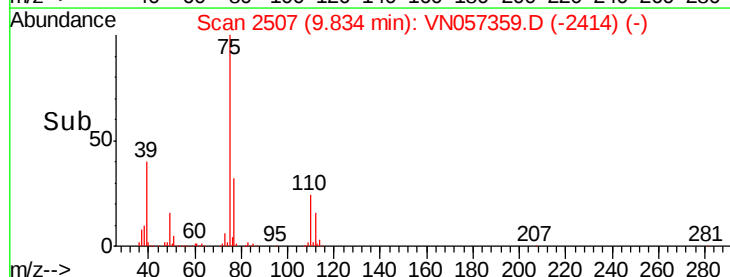
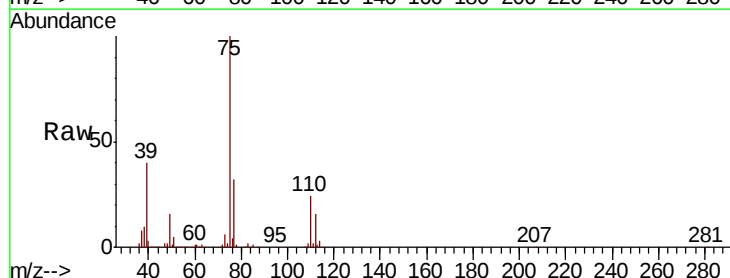
Tgt Ion: 75 Resp: 702602

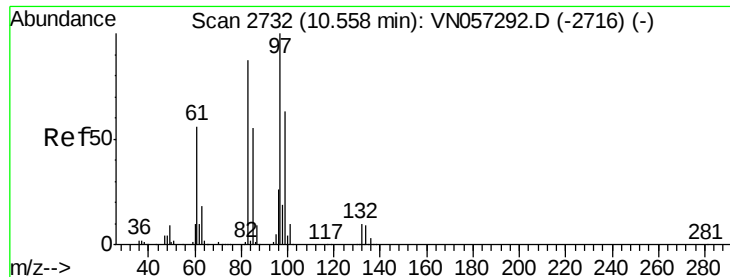
Ion Ratio Lower Upper

75 100

77 31.8 24.9 37.3

39 39.9 32.7 49.1





#55

1,1,2-Trichloroethane

Concen: 48.753 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 419387

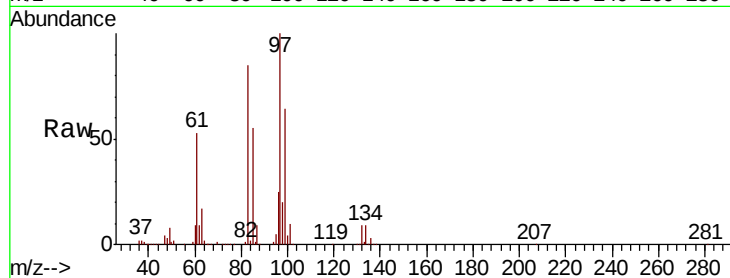
Ion Ratio Lower Upper

97 100

83 85.2 69.8 104.8

85 54.8 44.1 66.1

99 63.5 50.2 75.2

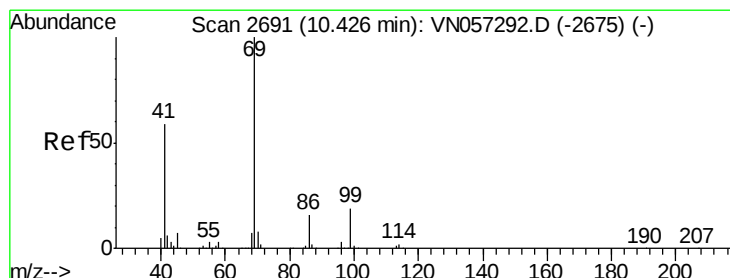
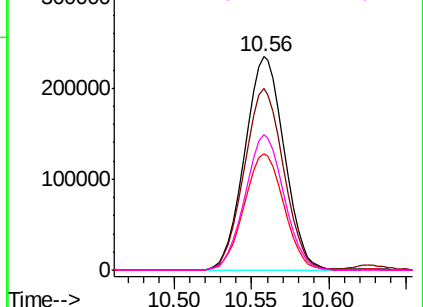
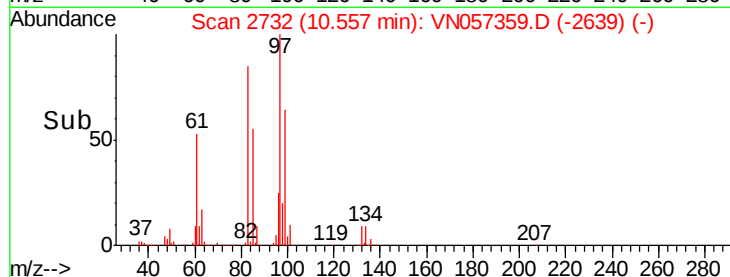


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 49.810 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

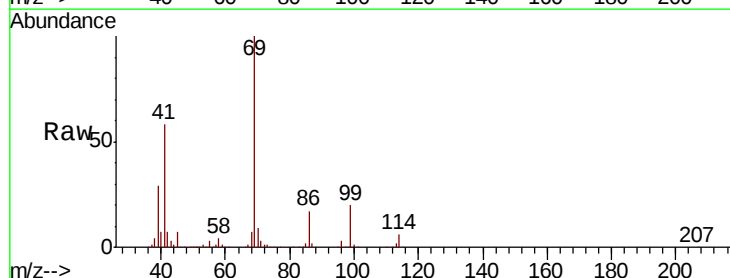
Tgt Ion: 69 Resp: 625294

Ion Ratio Lower Upper

69 100

41 58.1 48.2 72.2

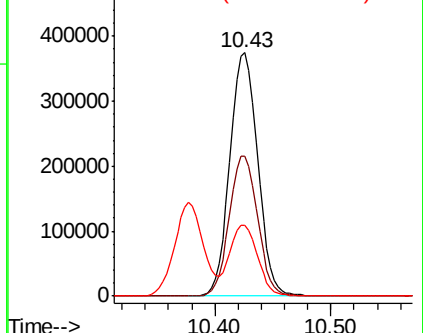
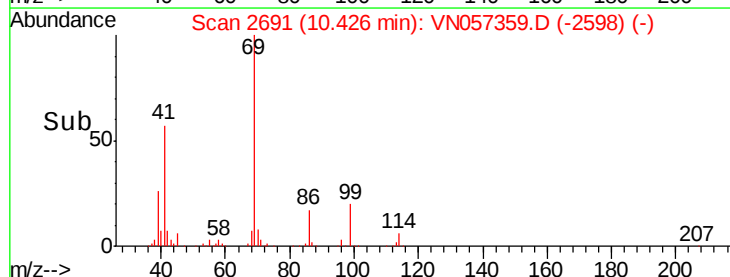
39 29.0 23.4 35.0

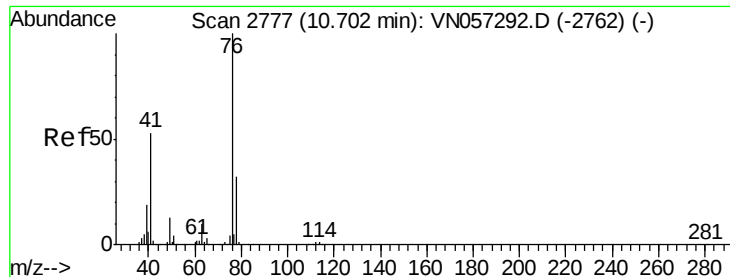


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 47.321 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

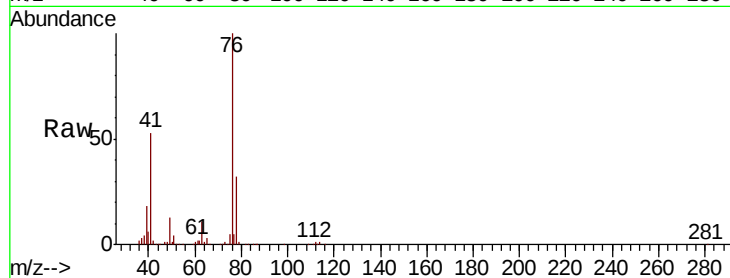
VSTDCCC050

Tgt Ion: 76 Resp: 680030

Ion Ratio Lower Upper

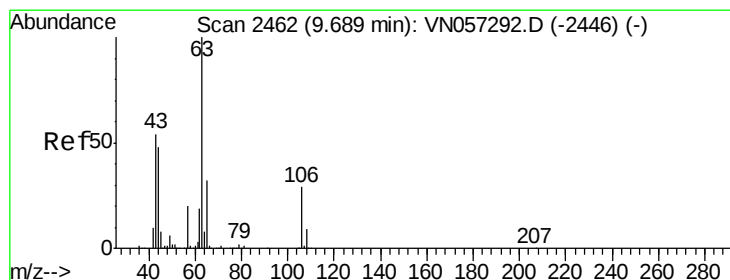
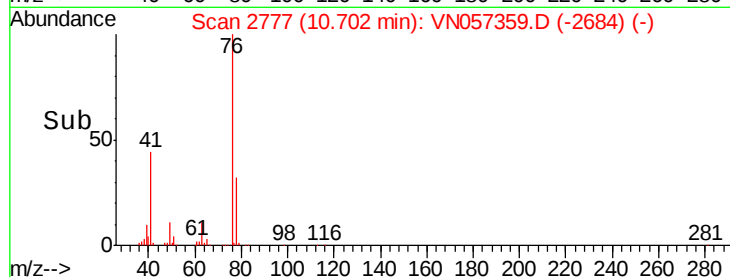
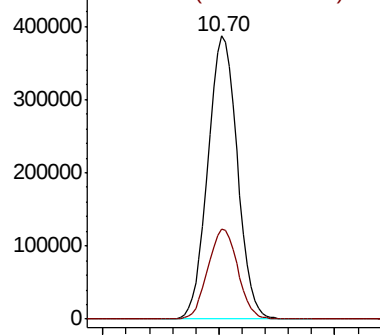
76 100

78 32.4 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 191.297 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057359.D

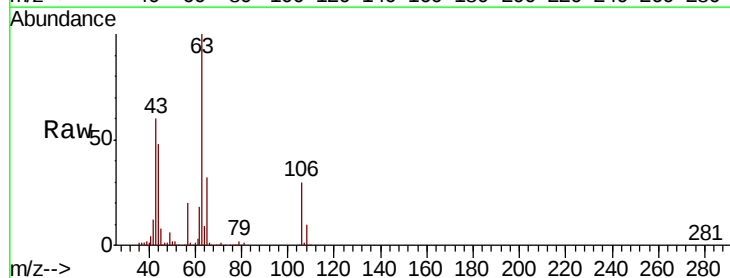
Acq: 16 Aug 2019 17:09

Tgt Ion: 63 Resp: 696197

Ion Ratio Lower Upper

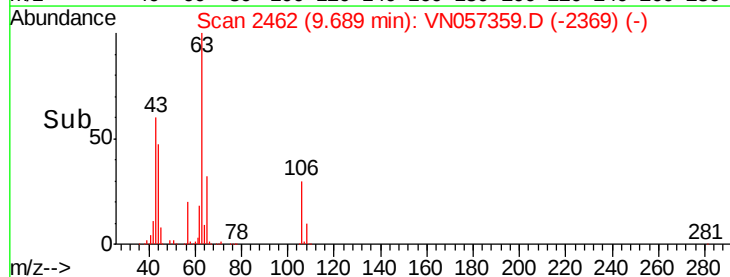
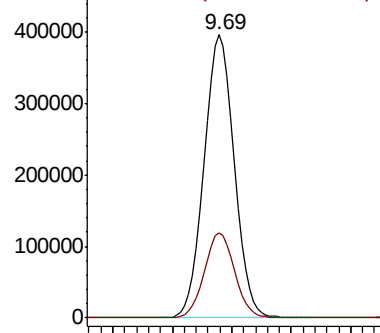
63 100

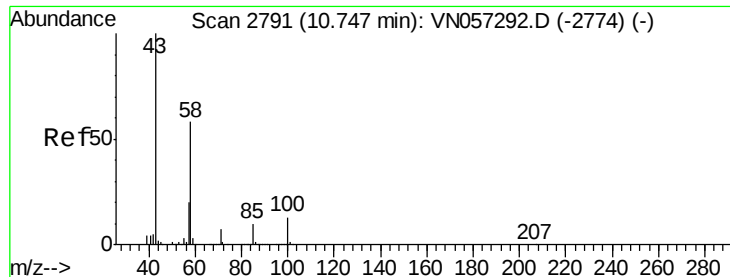
106 30.0 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

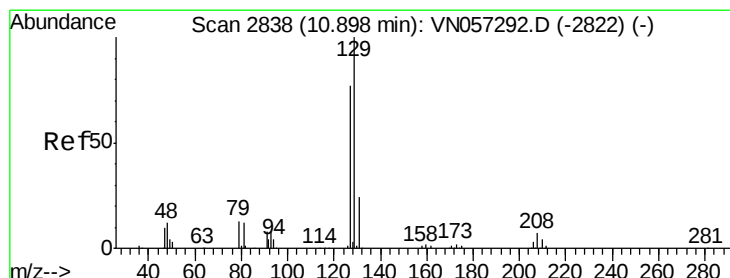
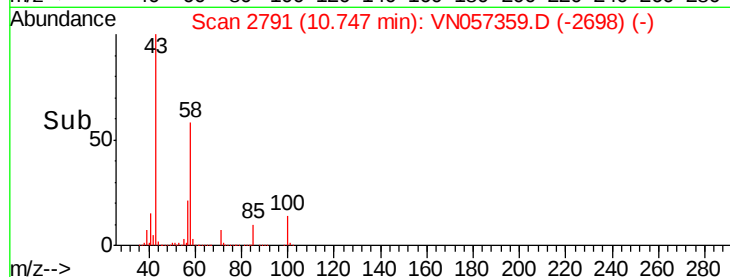
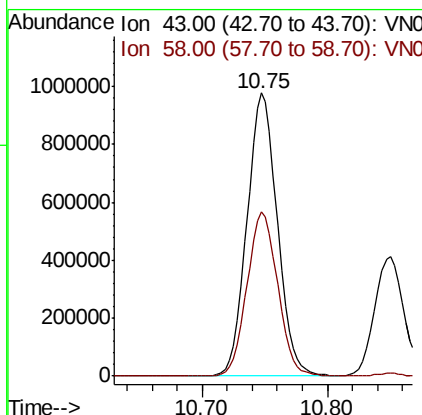
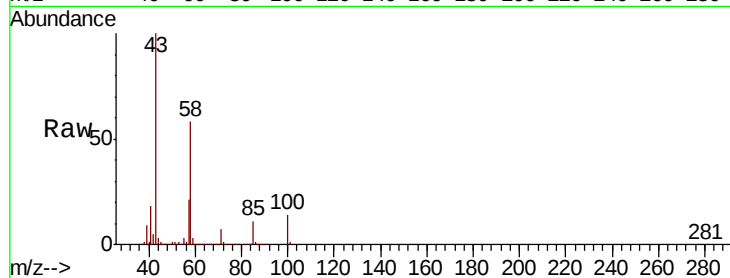




#59
2-Hexanone
Concen: 235.834 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

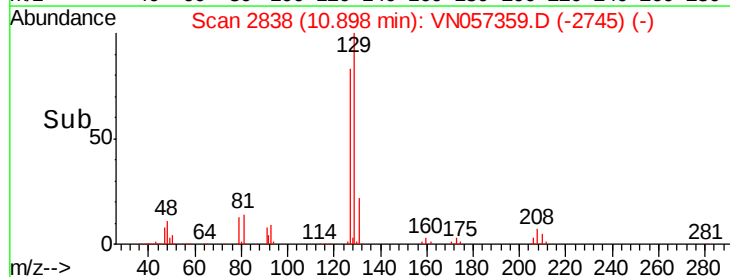
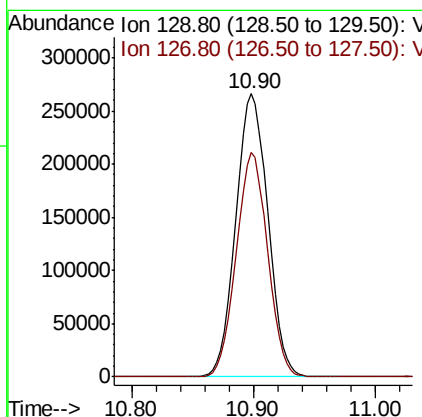
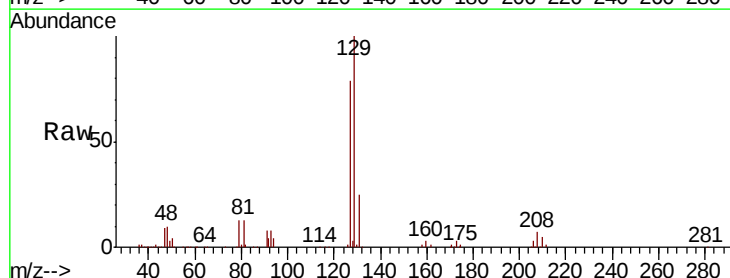
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

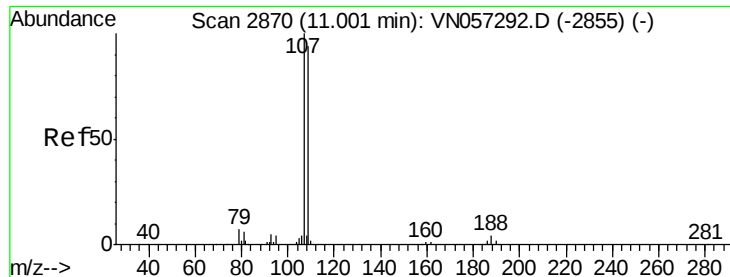
Tgt Ion: 43 Resp: 1646227
Ion Ratio Lower Upper
43 100
58 58.8 28.6 85.9



#60
Dibromochloromethane
Concen: 50.188 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion: 129 Resp: 483809
Ion Ratio Lower Upper
129 100
127 77.5 39.0 116.9

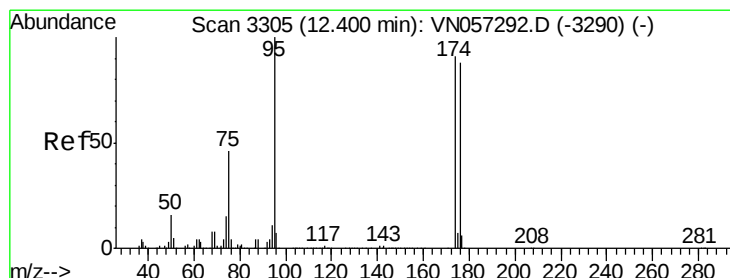
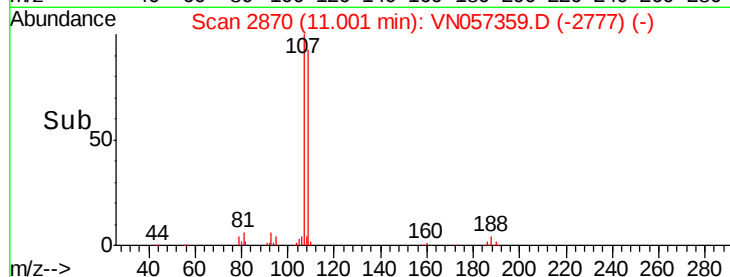
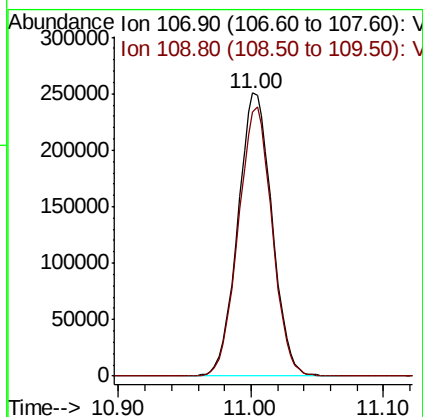
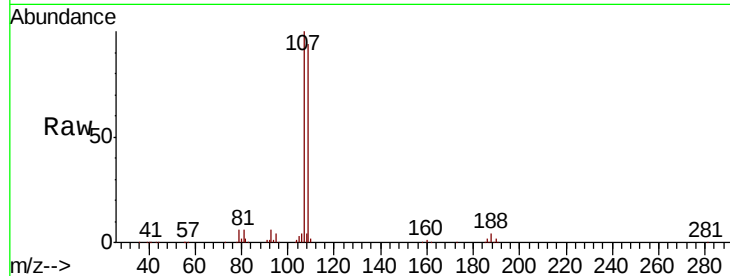




#61
 1,2-Dibromoethane
 Concen: 48.962 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

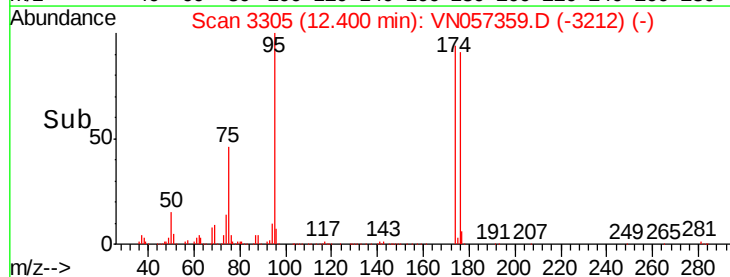
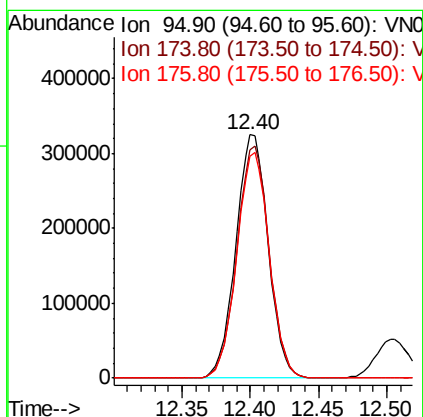
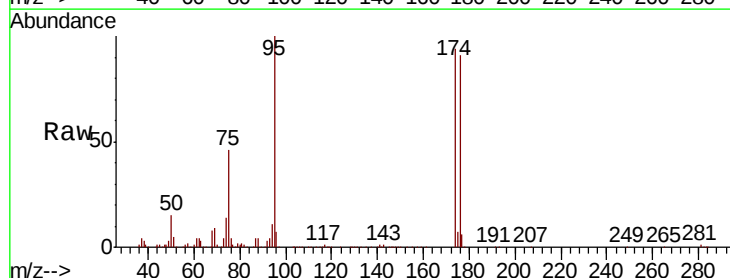
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

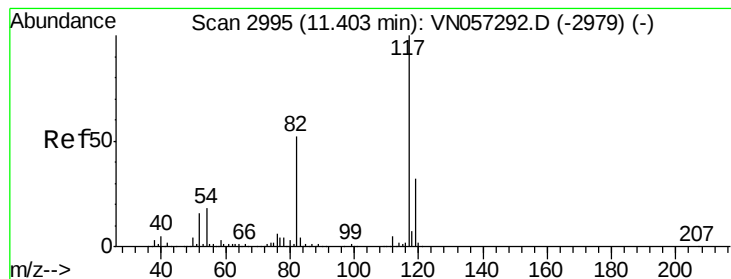
Tgt Ion: 107 Resp: 448665
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 48.353 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Tgt Ion: 95 Resp: 533200
 Ion Ratio Lower Upper
 95 100
 174 95.6 0.0 185.0
 176 93.3 0.0 181.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

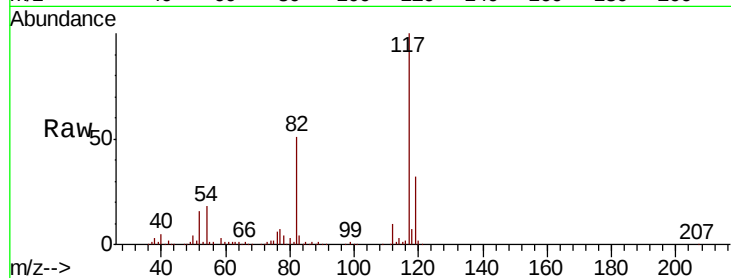
Tgt Ion:117 Resp: 1190962

Ion Ratio Lower Upper

117 100

82 51.1 41.2 61.8

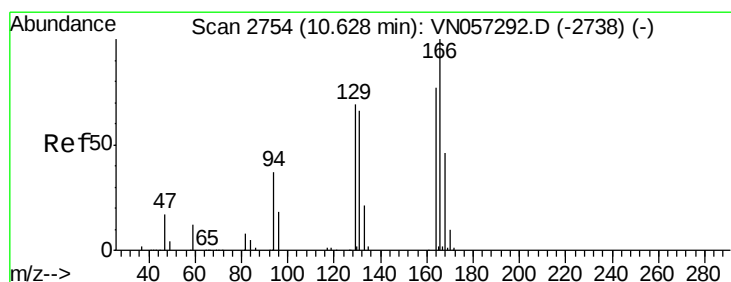
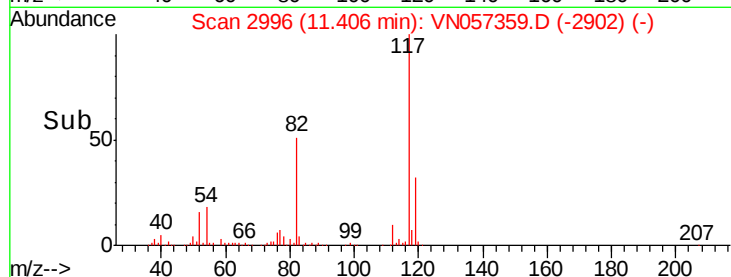
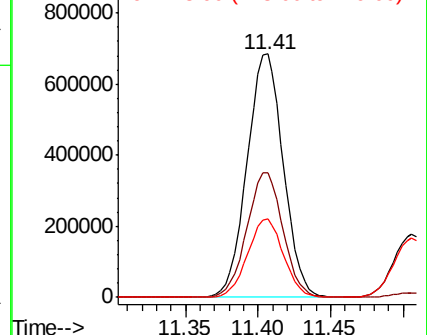
119 32.0 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 46.562 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Tgt Ion:164 Resp: 479387

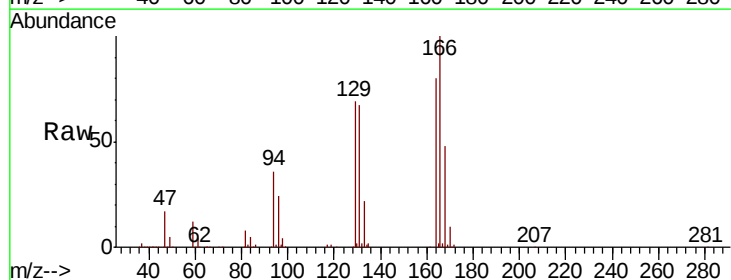
Ion Ratio Lower Upper

164 100

166 125.2 103.5 155.3

129 86.4 71.2 106.8

131 84.4 68.2 102.4

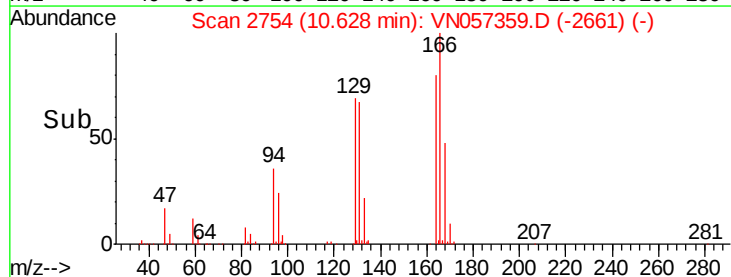
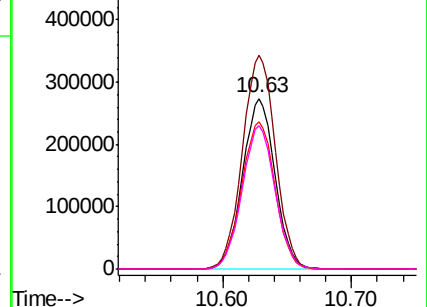


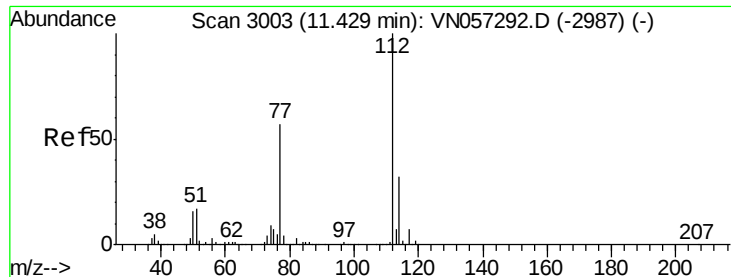
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

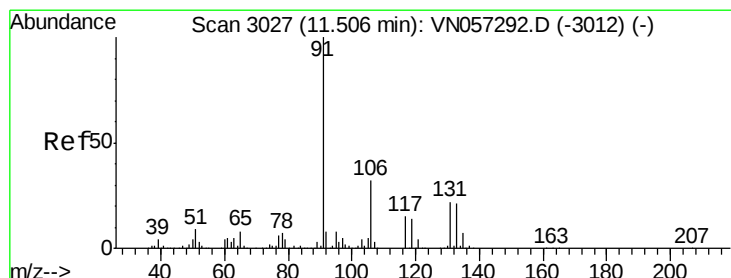
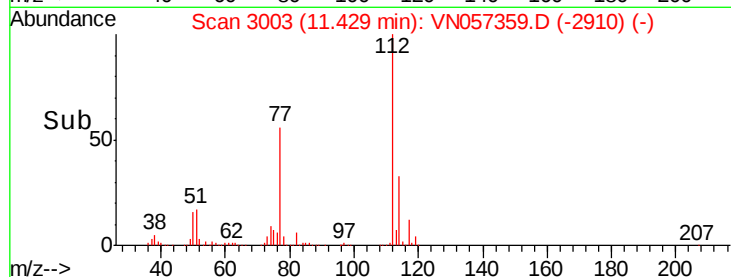
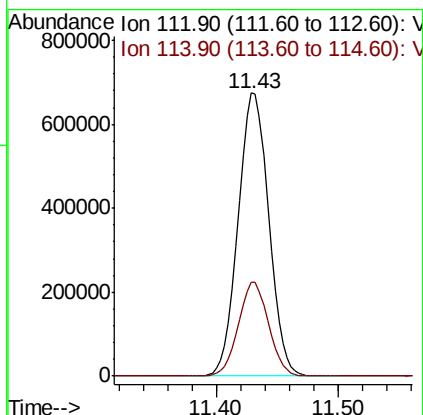
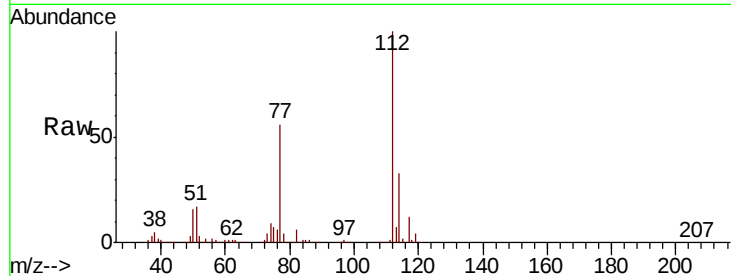




#65
Chlorobenzene
Concen: 48.153 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

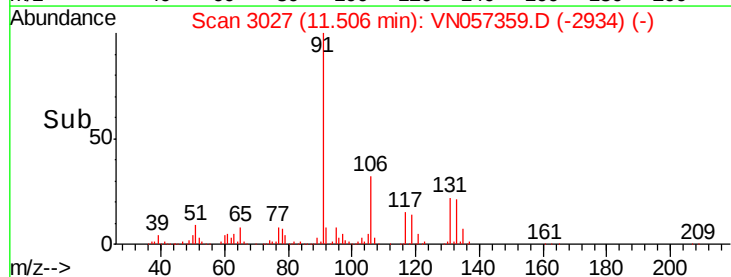
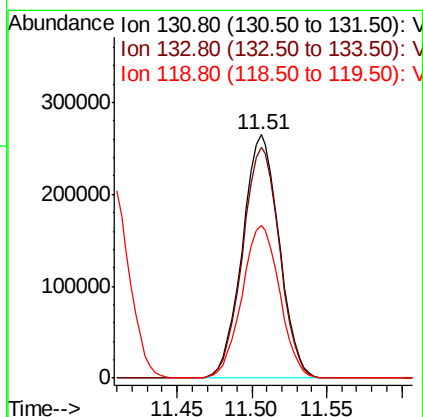
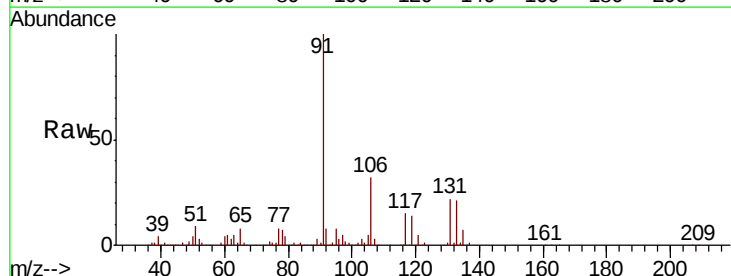
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

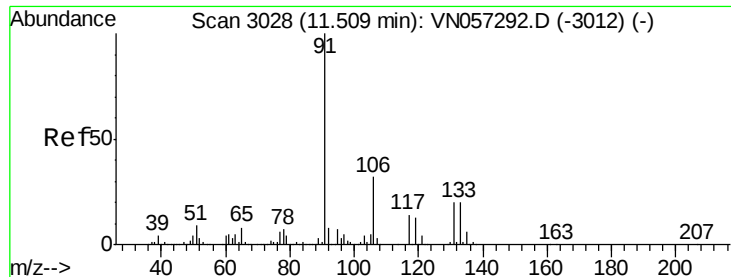
Tgt Ion:112 Resp: 1169652
Ion Ratio Lower Upper
112 100
114 33.1 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 48.778 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion:131 Resp: 453758
Ion Ratio Lower Upper
131 100
133 95.4 47.6 142.8
119 64.3 32.0 96.2





#67

Ethyl Benzene

Concen: 48.173 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

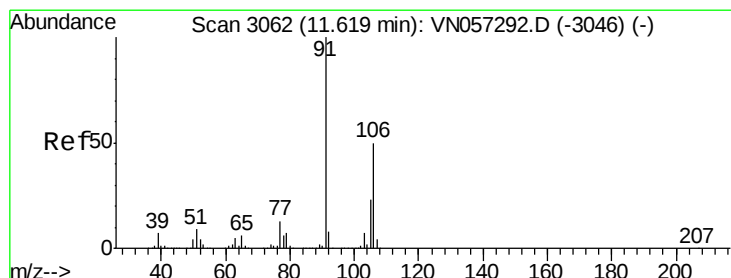
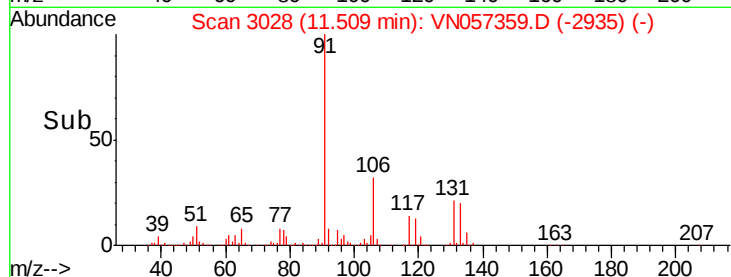
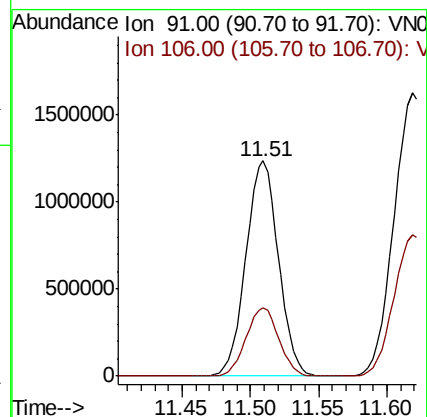
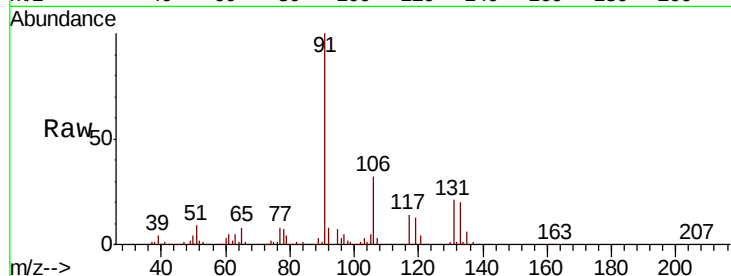
VSTDCCC050

Tgt Ion: 91 Resp: 2047200

Ion Ratio Lower Upper

91 100

106 31.9 25.5 38.3



#68

m/p-Xylenes

Concen: 99.160 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057359.D

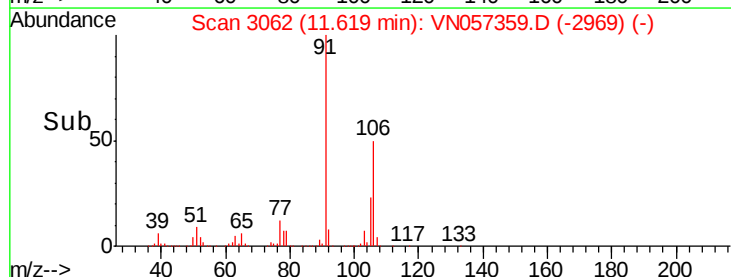
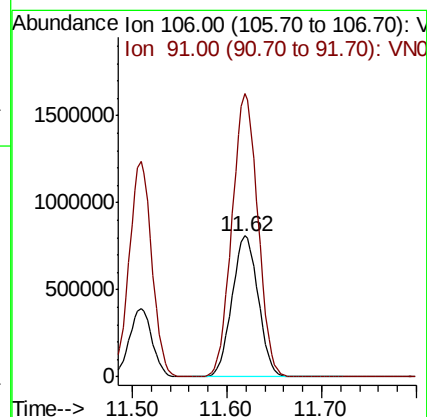
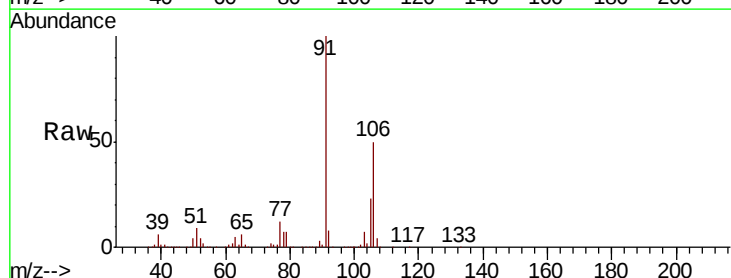
Acq: 16 Aug 2019 17:09

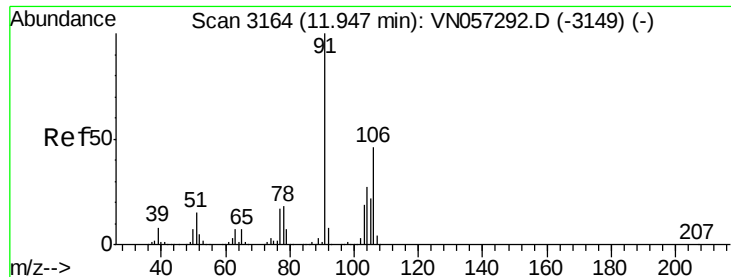
Tgt Ion: 106 Resp: 1552589

Ion Ratio Lower Upper

106 100

91 198.7 161.5 242.3

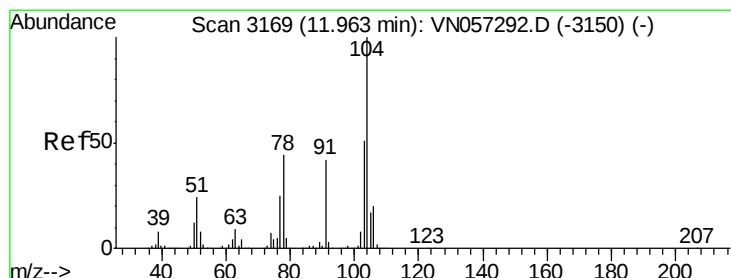
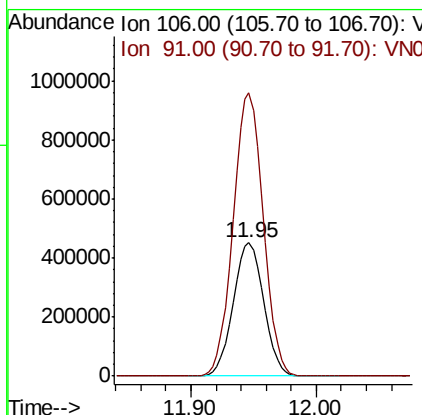
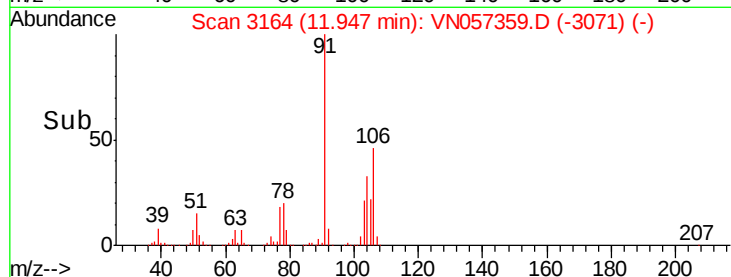
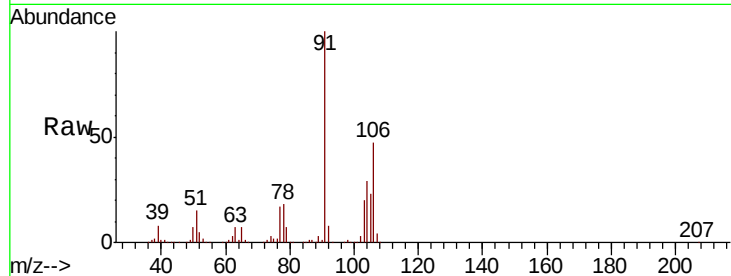




#69
o-Xylene
Concen: 49.634 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

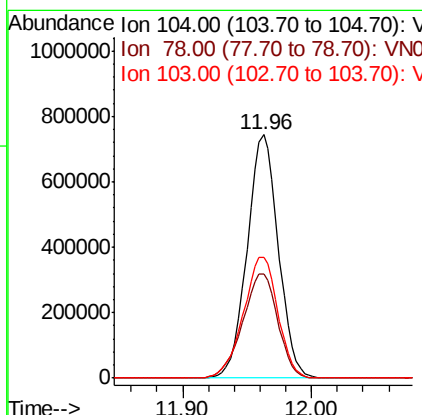
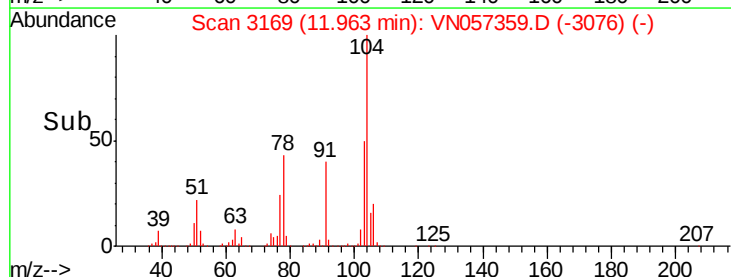
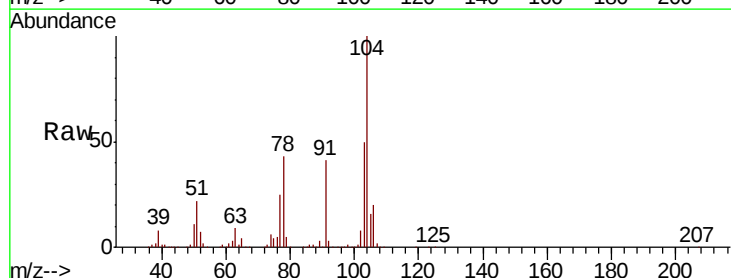
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

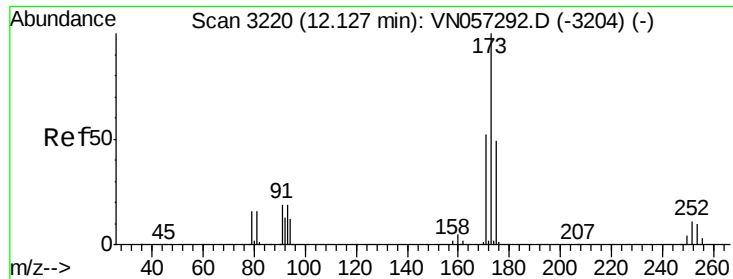
Tgt Ion:106 Resp: 763049
Ion Ratio Lower Upper
106 100
91 209.4 106.3 319.0



#70
Styrene
Concen: 51.066 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion:104 Resp: 1251421
Ion Ratio Lower Upper
104 100
78 48.4 39.2 58.8
103 55.1 44.6 66.8

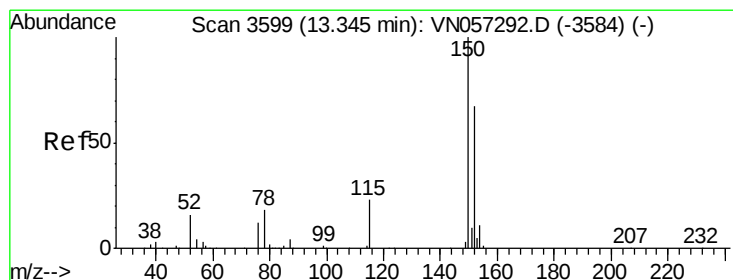
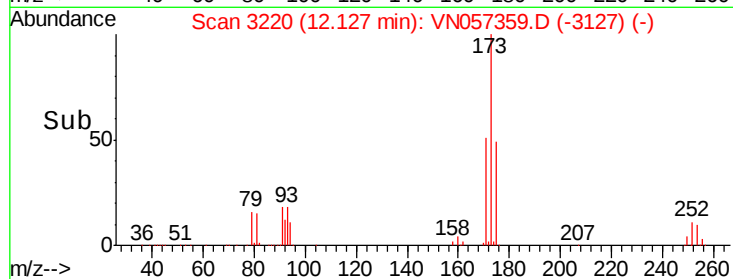
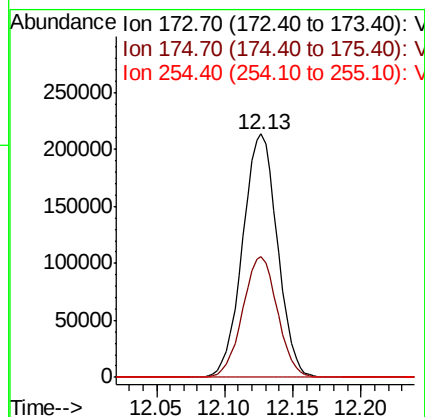
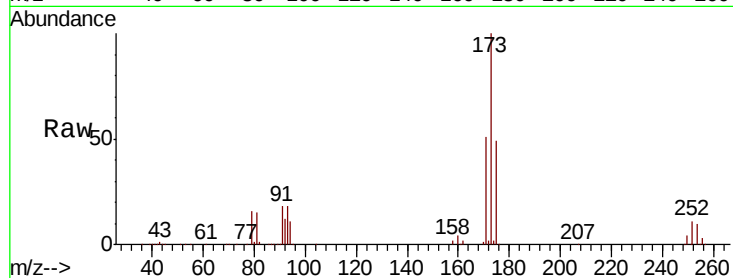




#71
 Bromoform
 Concen: 51.472 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

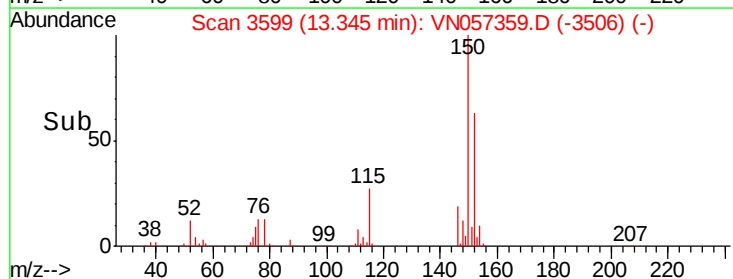
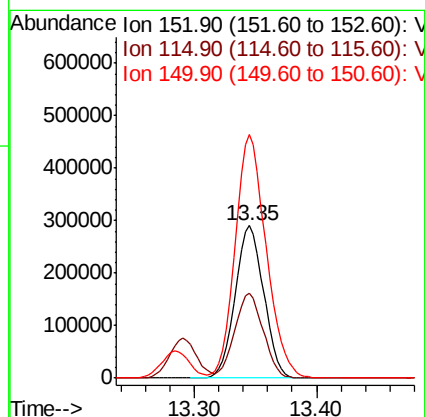
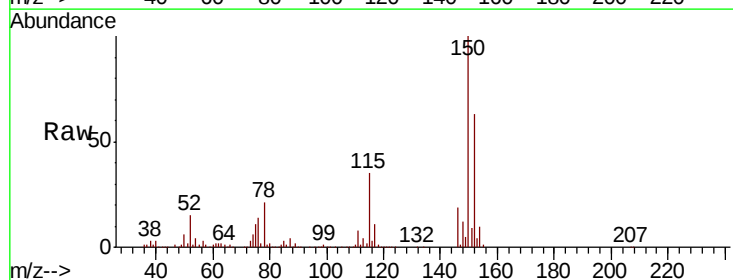
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

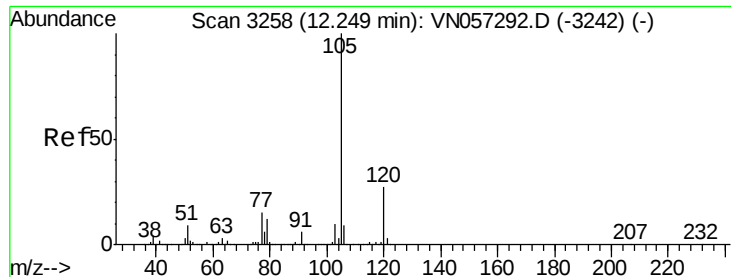
Tgt Ion:173 Resp: 377747
 Ion Ratio Lower Upper
 173 100
 175 49.5 24.2 72.6
 254 0.1 0.2 0.2#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Tgt Ion:152 Resp: 471865
 Ion Ratio Lower Upper
 152 100
 115 55.5 27.3 81.9
 150 173.3 0.0 344.4





#73

Isopropylbenzene

Concen: 54.332 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

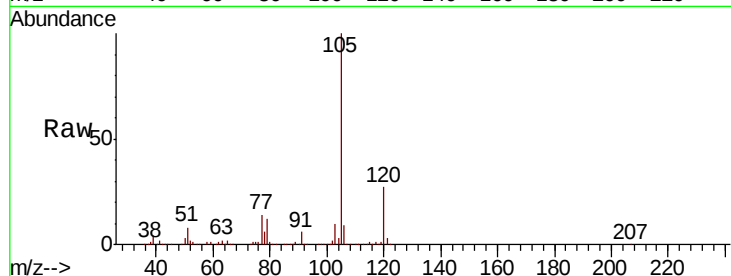
VSTDCCC050

Tgt Ion:105 Resp: 2027716

Ion Ratio Lower Upper

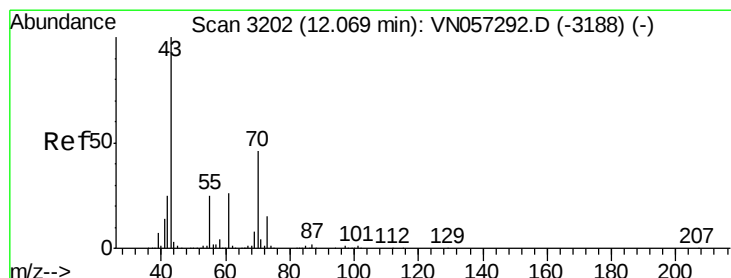
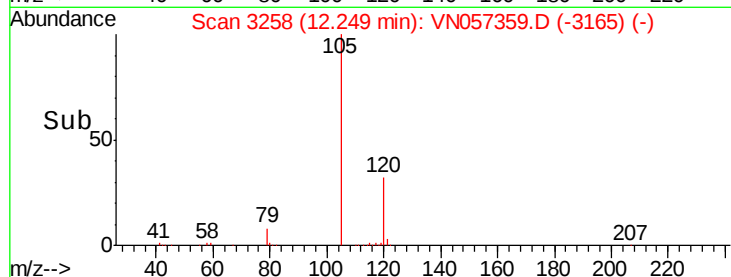
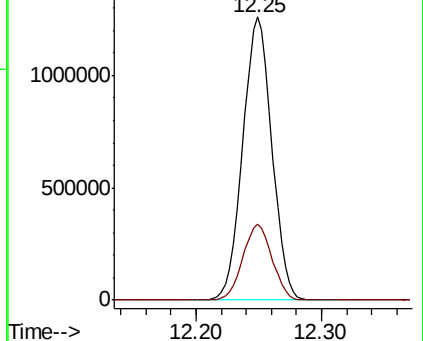
105 100

120 27.0 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.248 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Tgt Ion: 43 Resp: 619553

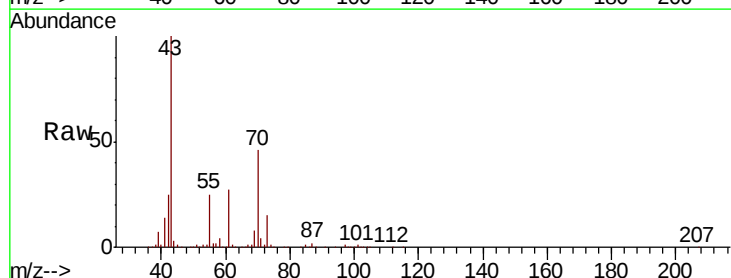
Ion Ratio Lower Upper

43 100

70 46.7 36.2 54.2

55 25.2 20.1 30.1

61 26.5 20.9 31.3

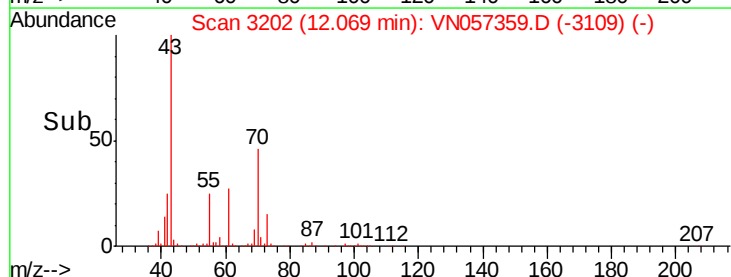
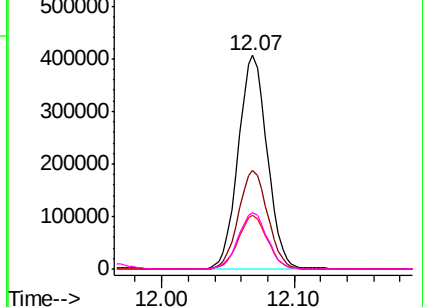


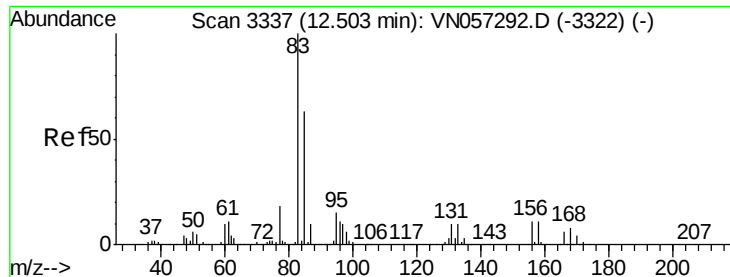
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 53.899 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

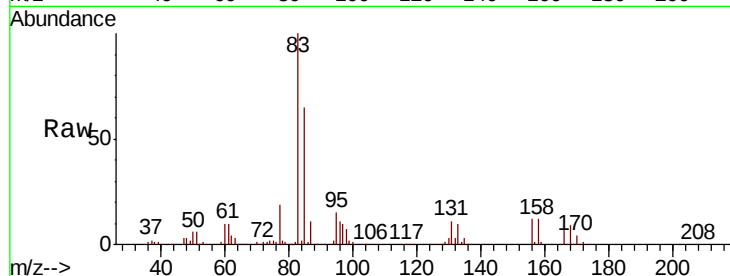
Tgt Ion: 83 Resp: 561663

Ion Ratio Lower Upper

83 100

131 11.4 5.4 16.2

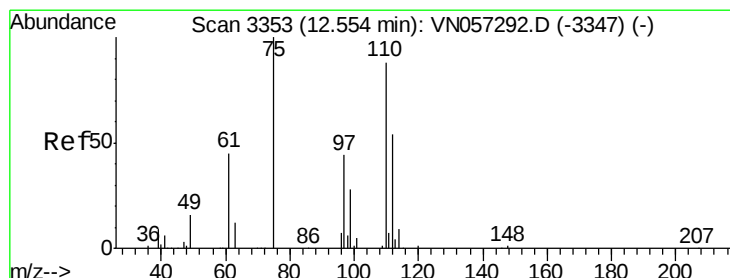
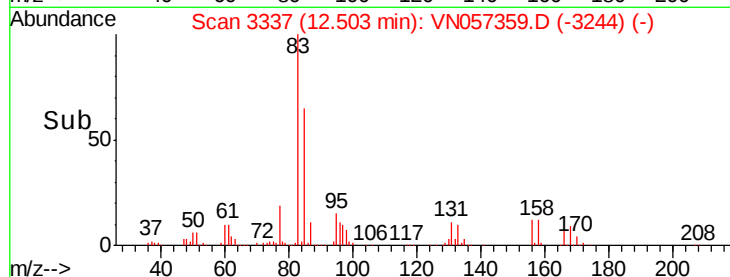
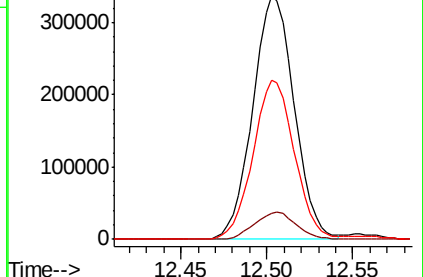
85 65.3 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN057292.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN057292.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN057292.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 78.069 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN057359.D

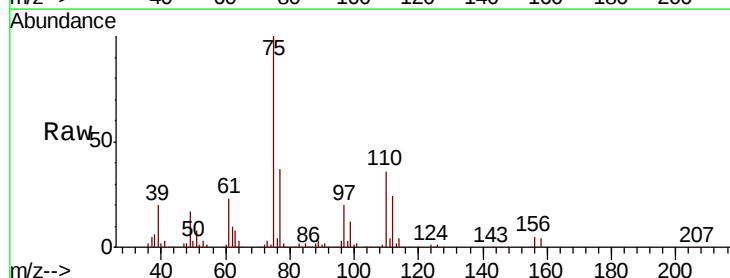
Acq: 16 Aug 2019 17:09

Tgt Ion: 75 Resp: 715716

Ion Ratio Lower Upper

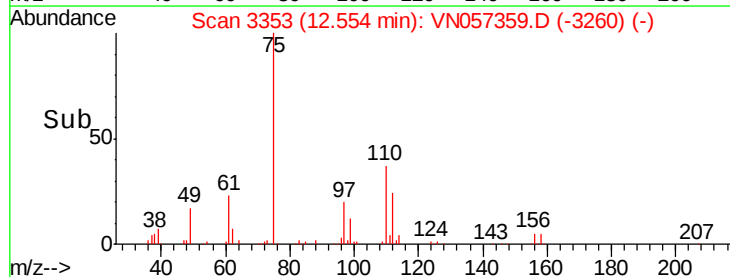
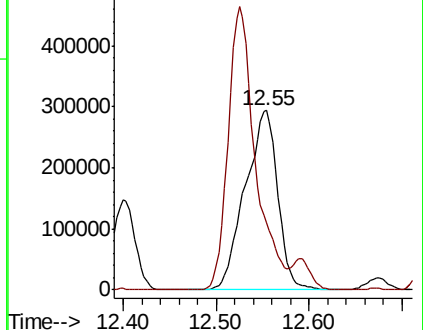
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057292.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN057292.D (-3347) (-)





#77

Bromobenzene

Concen: 53.822 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

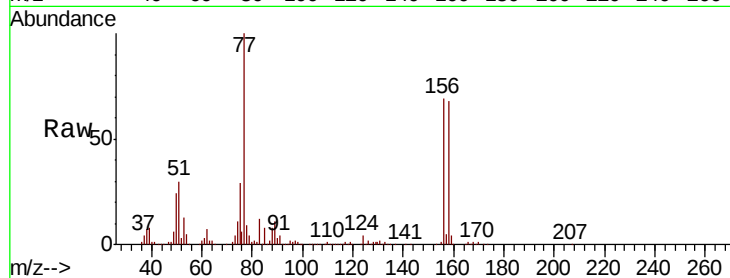
Tgt Ion:156 Resp: 542695

Ion Ratio Lower Upper

156 100

77 174.5 89.8 269.6

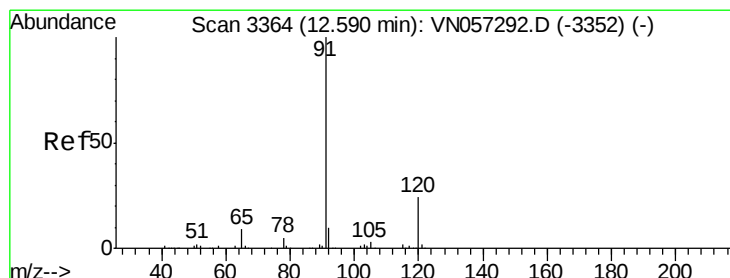
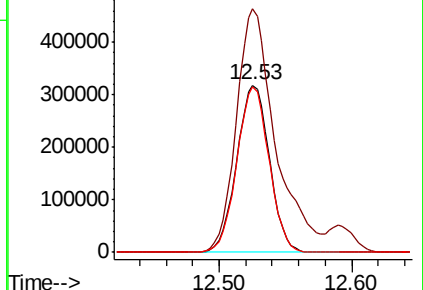
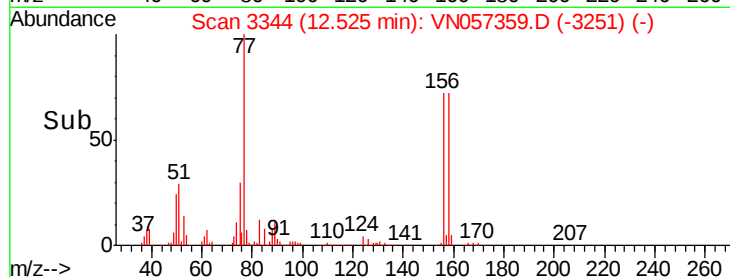
158 97.8 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.636 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN057359.D

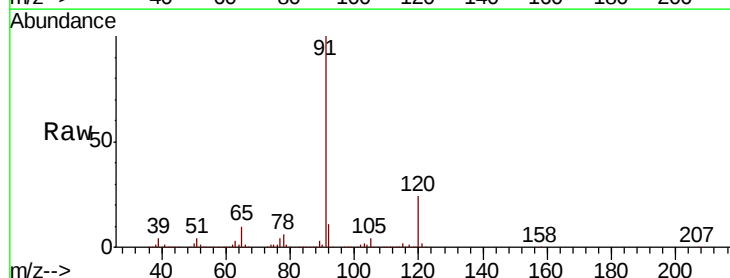
Acq: 16 Aug 2019 17:09

Tgt Ion: 91 Resp: 2119105

Ion Ratio Lower Upper

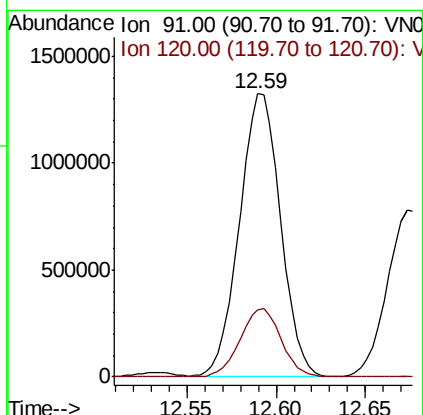
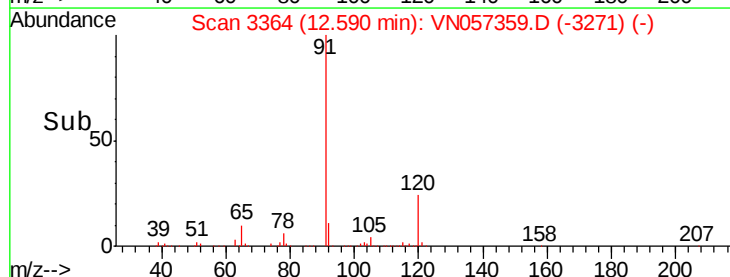
91 100

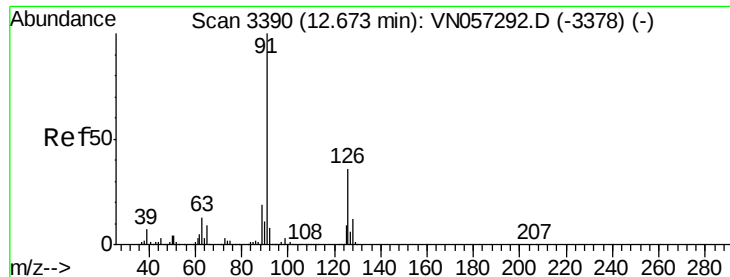
120 24.1 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

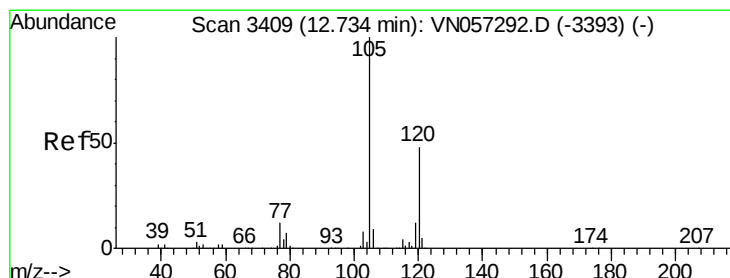
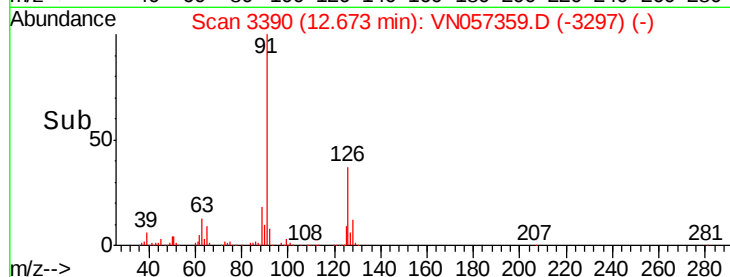
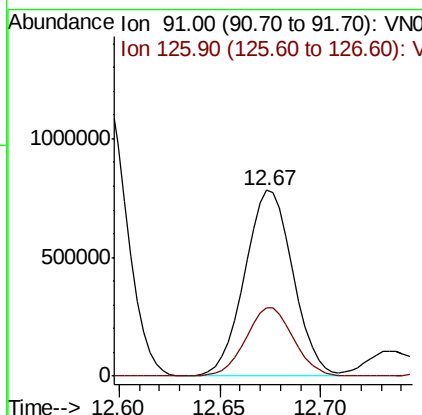
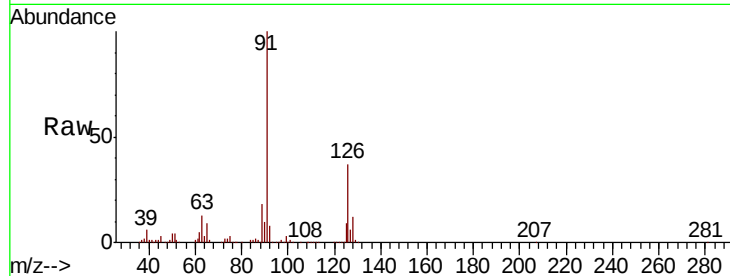




#79
 2-Chlorotoluene
 Concen: 52.813 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

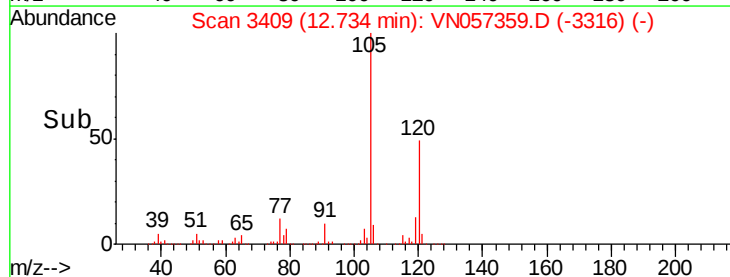
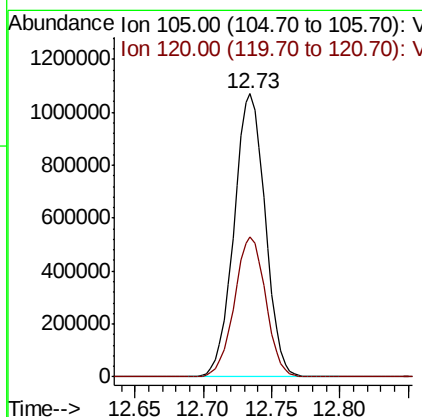
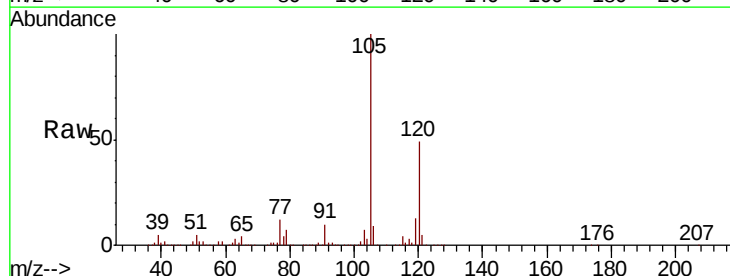
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

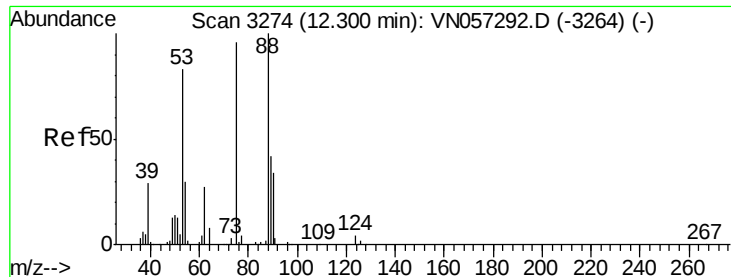
Tgt Ion: 91 Resp: 1308689
 Ion Ratio Lower Upper
 91 100
 126 36.5 18.1 54.1



#80
 1,3,5-Trimethylbenzene
 Concen: 53.386 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Tgt Ion: 105 Resp: 1692429
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.3 73.0

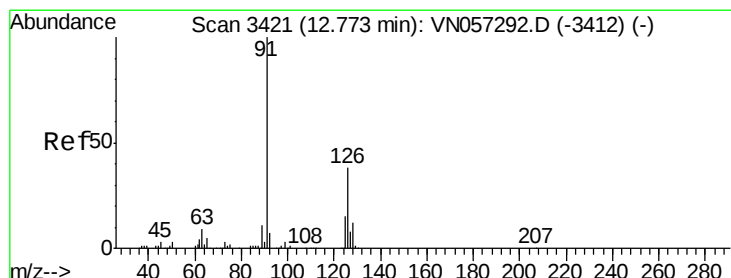
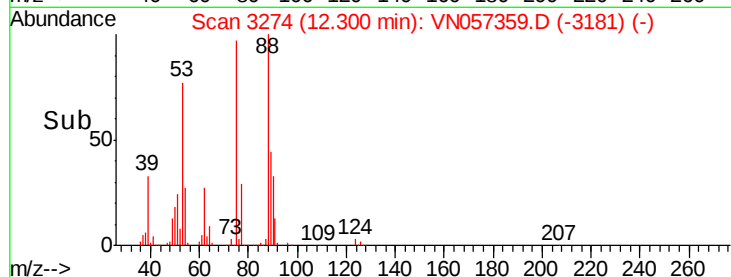
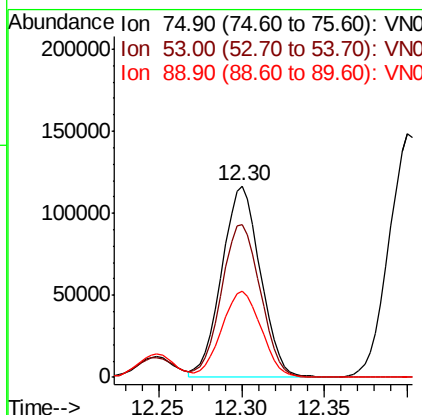
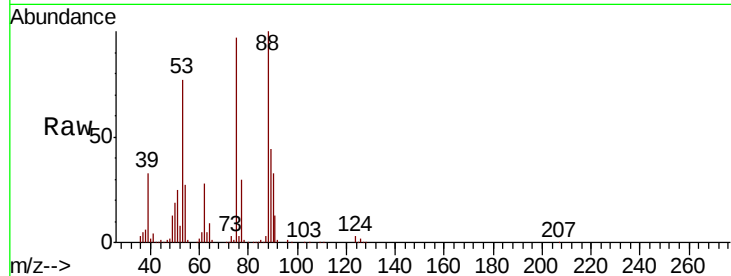




#81
trans-1,4-Dichloro-2-butene
Concen: 48.531 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

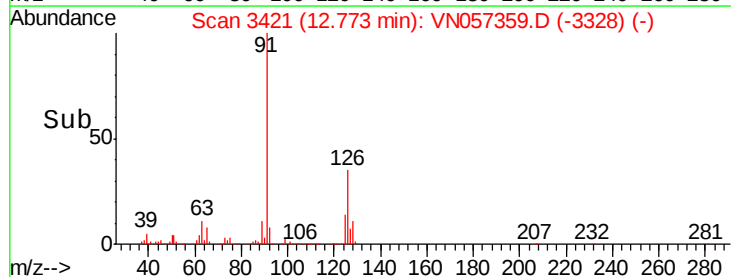
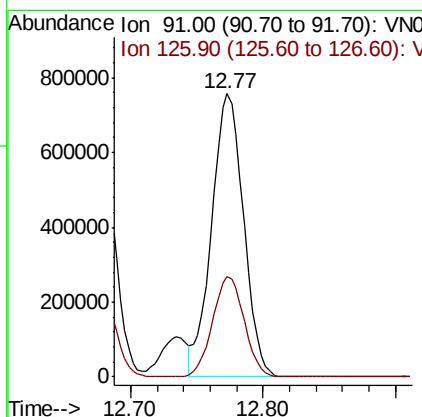
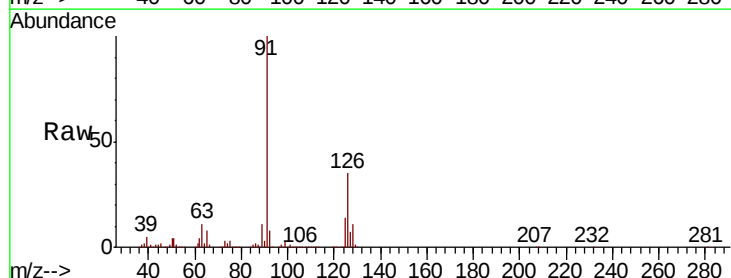
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

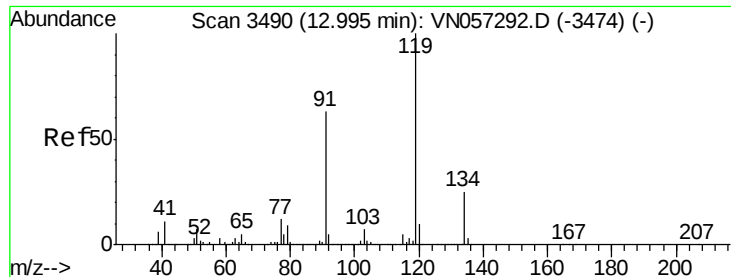
Tgt Ion: 75 Resp: 187801
Ion Ratio Lower Upper
75 100
53 80.9 67.9 101.9
89 46.6 36.2 54.4



#82
4-Chlorotoluene
Concen: 46.898 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion: 91 Resp: 1262783
Ion Ratio Lower Upper
91 100
126 35.0 17.3 51.7

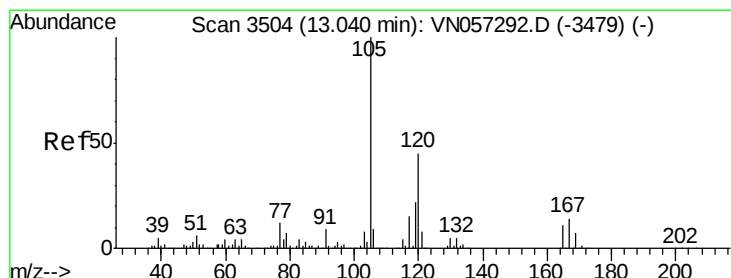
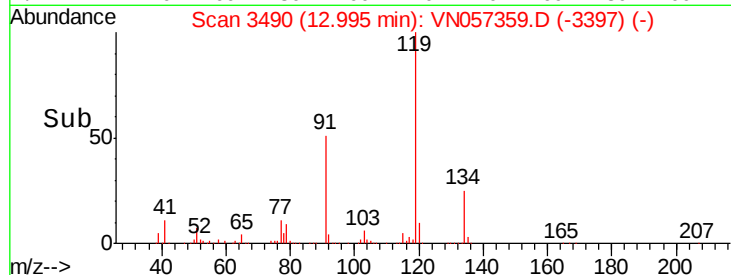
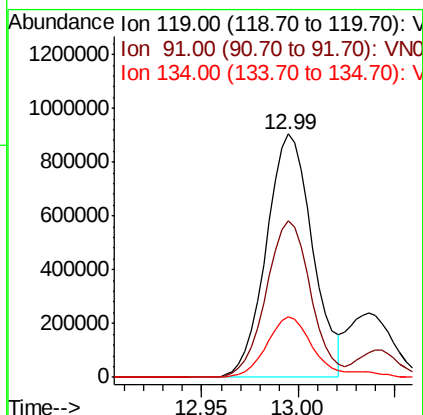
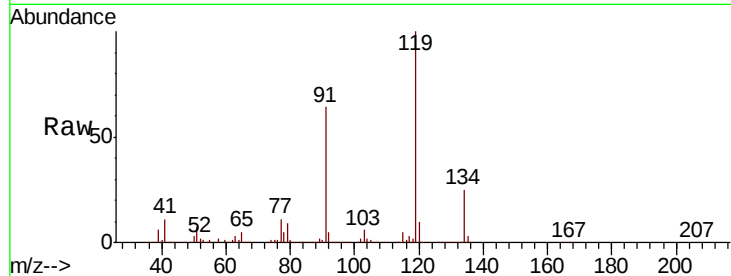




#83
 tert-Butylbenzene
 Concen: 54.084 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

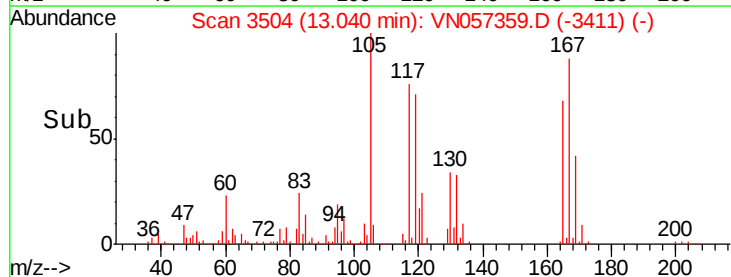
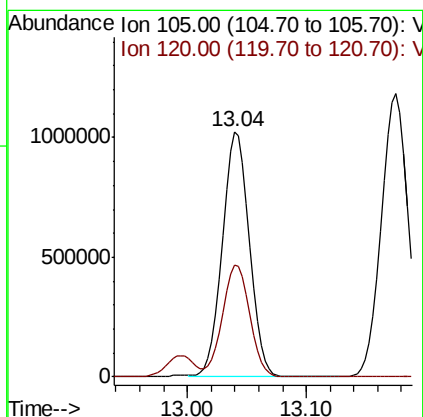
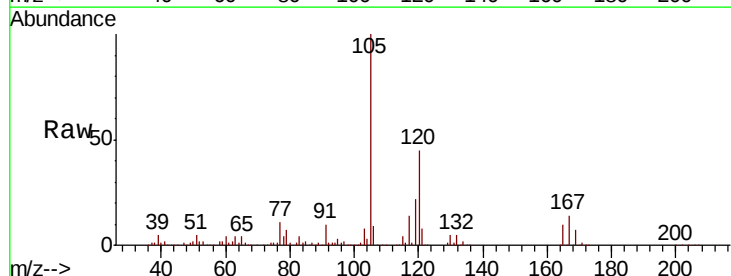
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

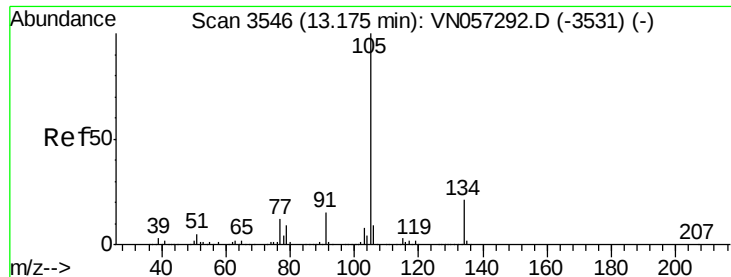
Tgt Ion:119 Resp: 1502689
 Ion Ratio Lower Upper
 119 100
 91 62.1 31.3 93.8
 134 25.9 13.1 39.1



#84
 1,2,4-Trimethylbenzene
 Concen: 47.285 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Tgt Ion:105 Resp: 1607089
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.6 67.7





#85

sec-Butylbenzene

Concen: 52.055 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

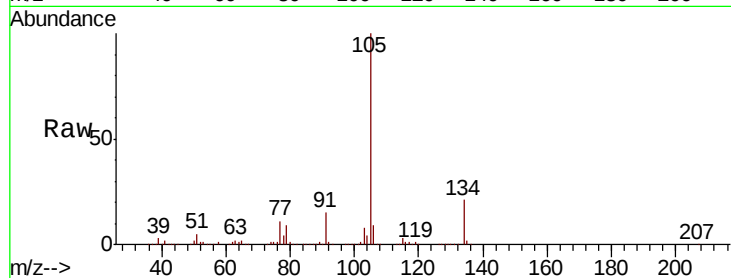
VSTDCCC050

Tgt Ion:105 Resp: 1855991

Ion Ratio Lower Upper

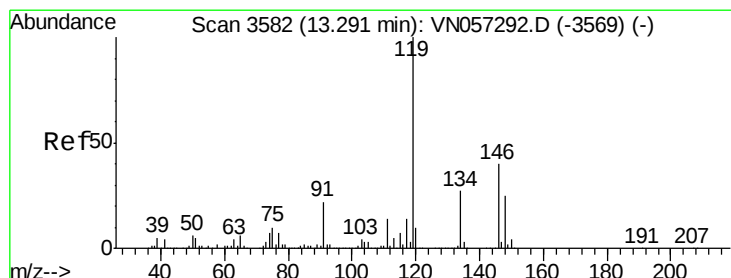
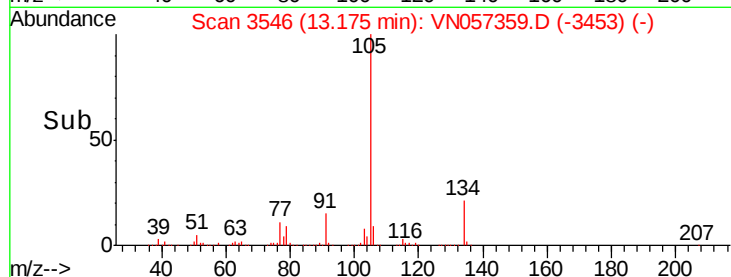
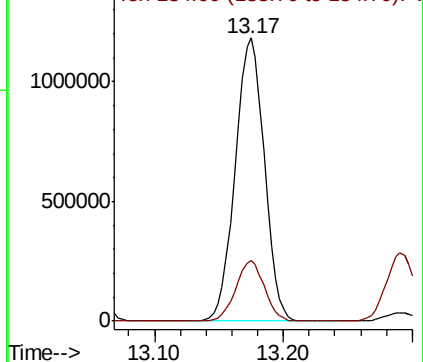
105 100

134 21.0 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.505 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

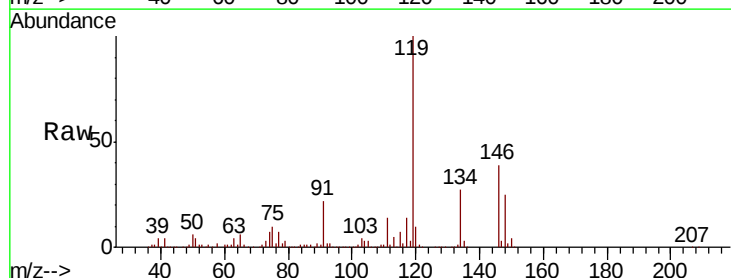
Tgt Ion:119 Resp: 1653002

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

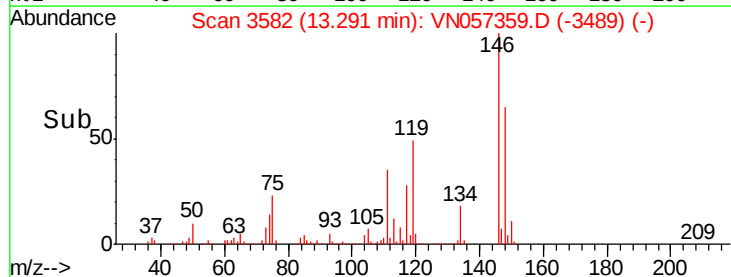
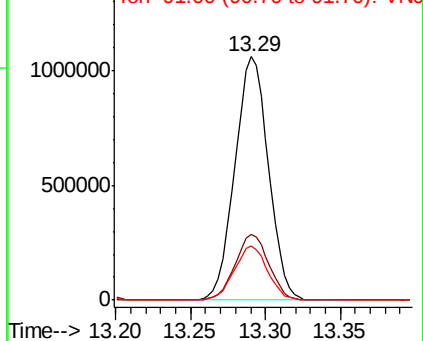
91 21.9 11.2 33.5

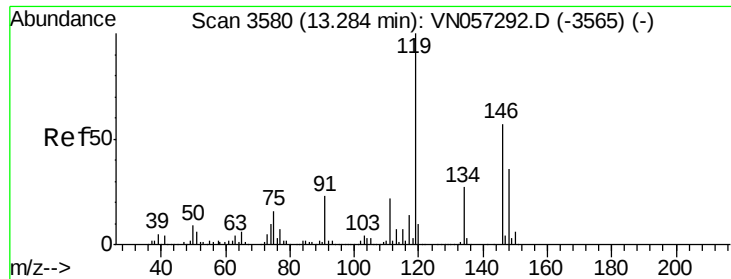


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

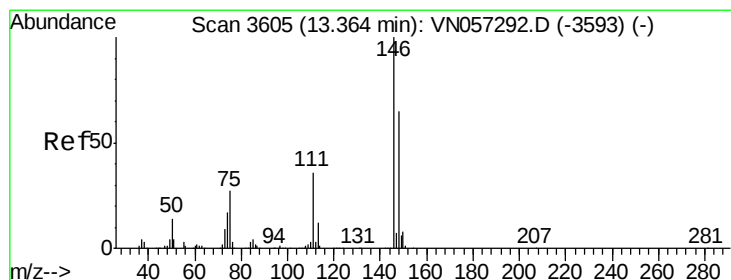
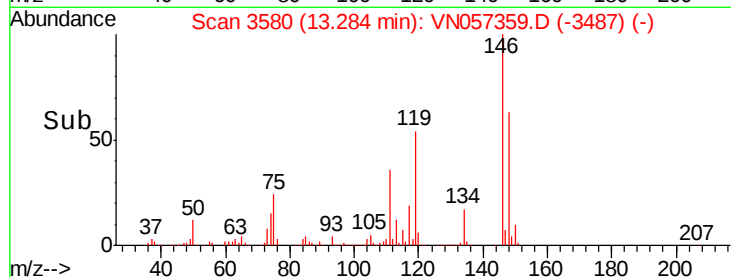
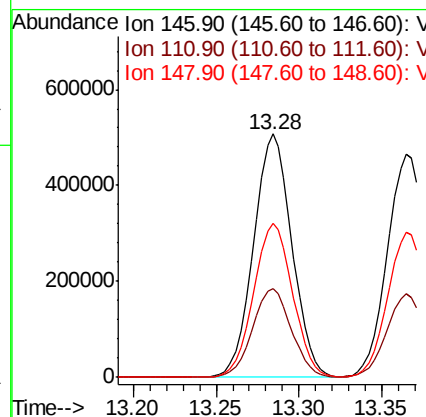
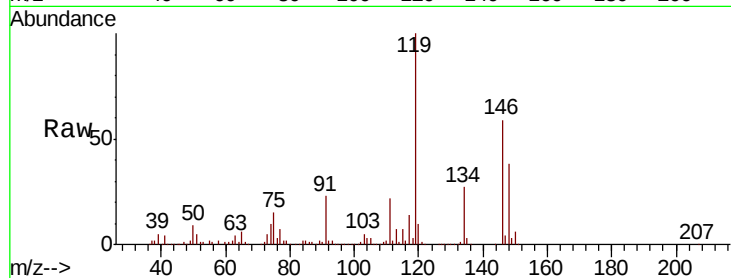




#87
 1,3-Dichlorobenzene
 Concen: 49.257 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

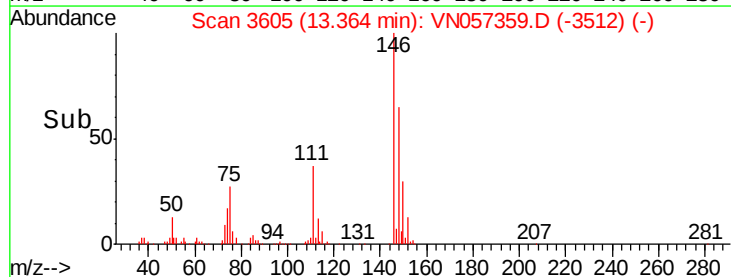
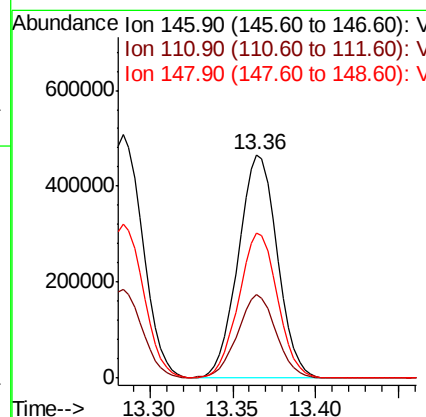
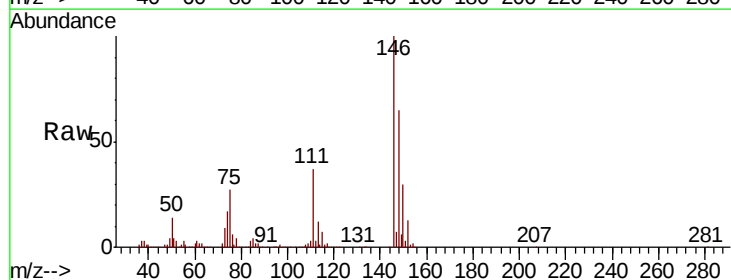
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

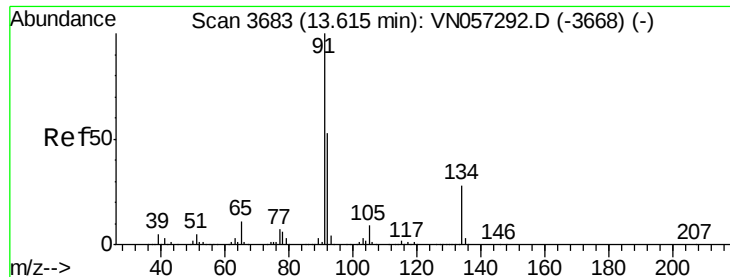
Tgt Ion:146 Resp: 814350
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.7 56.1
 148 64.1 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 48.473 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Tgt Ion:146 Resp: 760732
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.4 55.4
 148 64.8 32.5 97.4

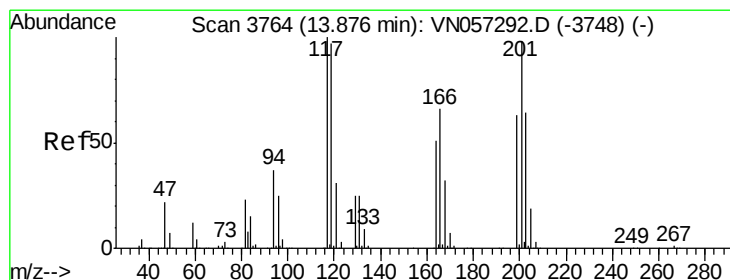
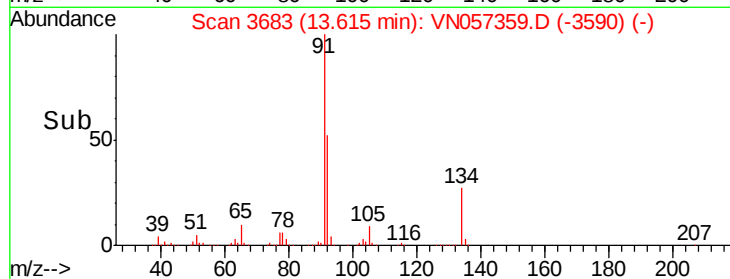
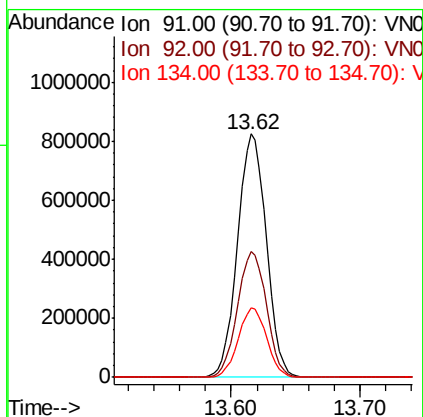
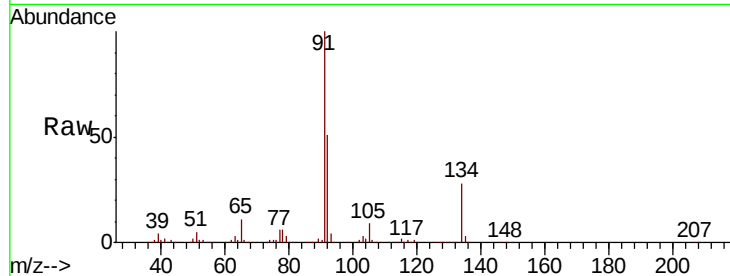




#89
n-Butylbenzene
Concen: 51.543 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

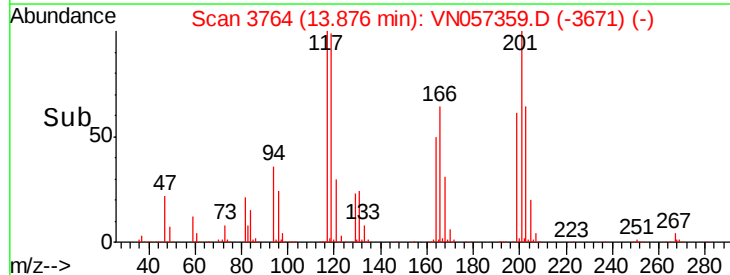
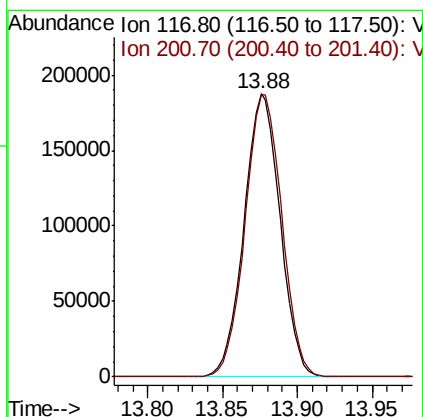
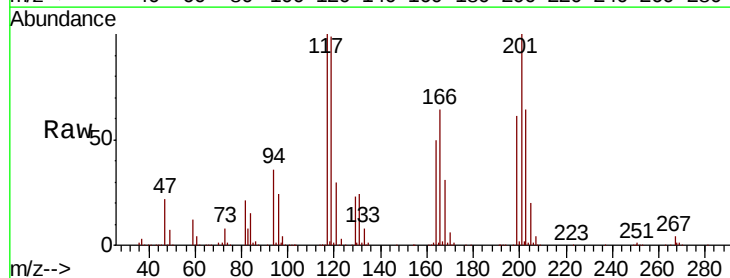
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

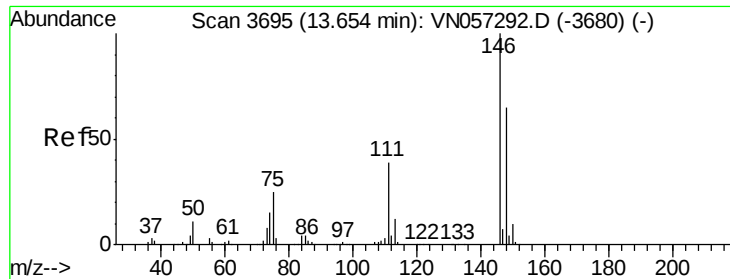
Tgt Ion: 91 Resp: 1278590
Ion Ratio Lower Upper
91 100
92 52.1 26.2 78.6
134 28.2 13.9 41.7



#90
Hexachloroethane
Concen: 53.182 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion: 117 Resp: 313860
Ion Ratio Lower Upper
117 100
201 101.8 48.4 145.0

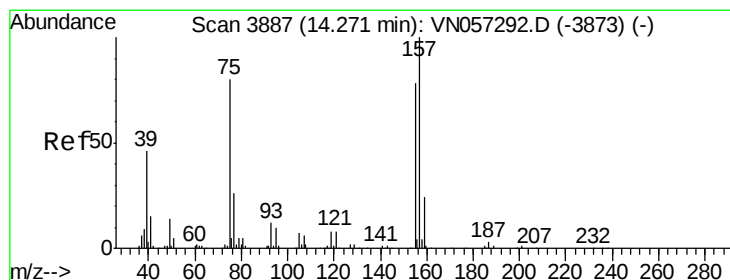
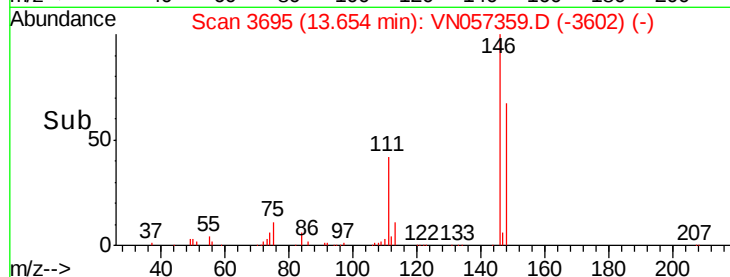
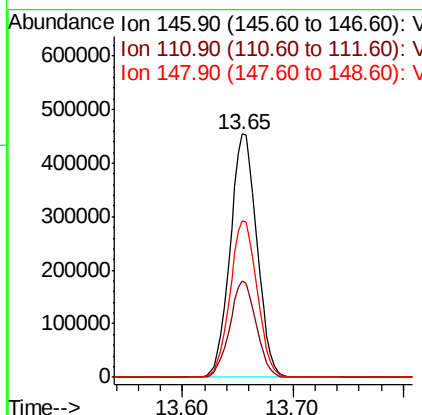
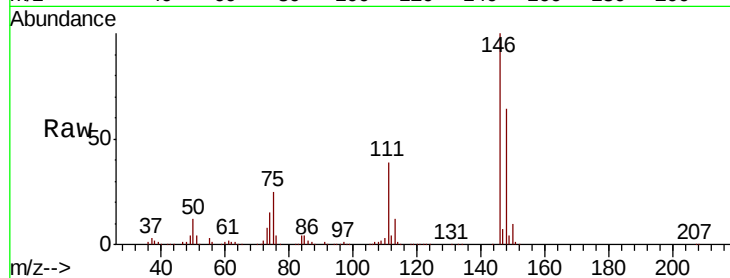




#91
 1,2-Dichlorobenzene
 Concen: 49.574 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

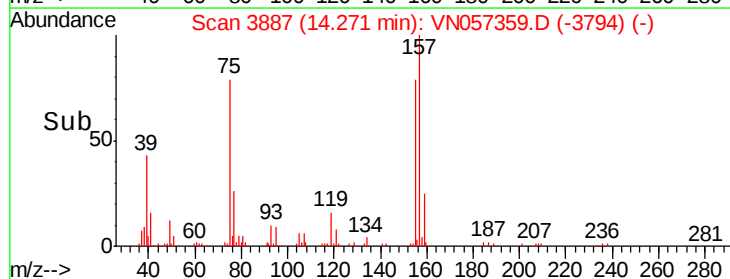
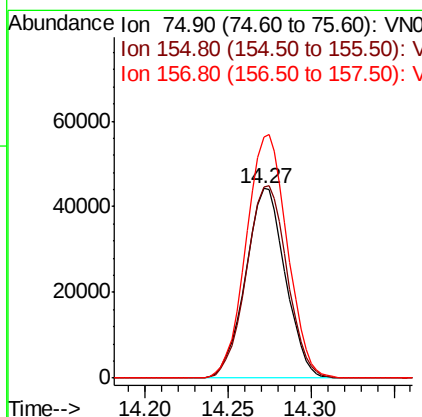
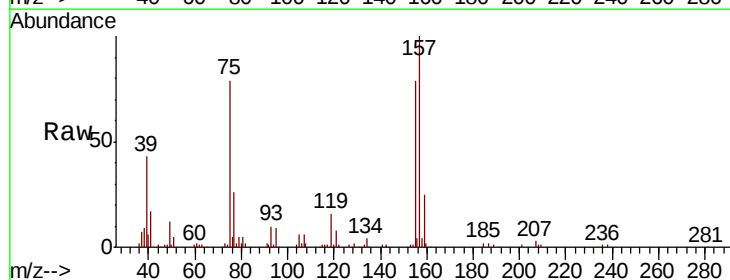
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

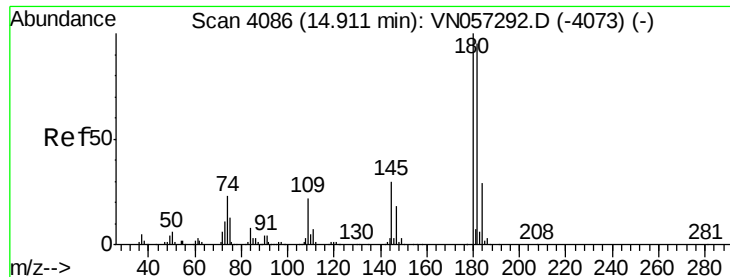
Tgt Ion: 146 Resp: 764018
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.7 59.1
 148 64.8 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.823 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Tgt Ion: 75 Resp: 73739
 Ion Ratio Lower Upper
 75 100
 155 104.1 49.6 148.8
 157 132.5 63.7 191.1

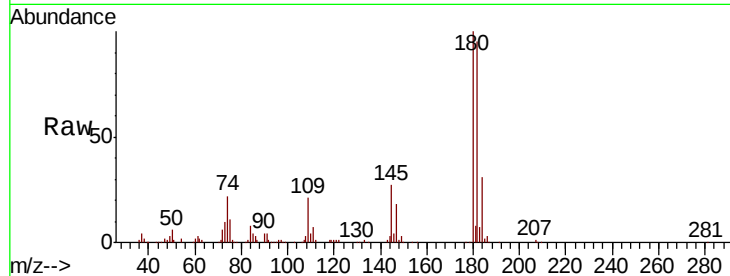




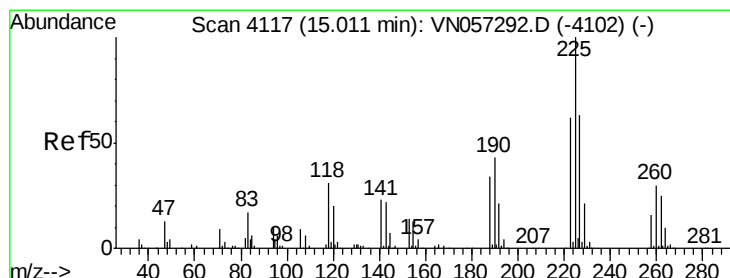
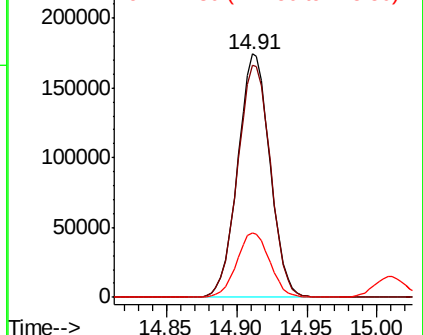
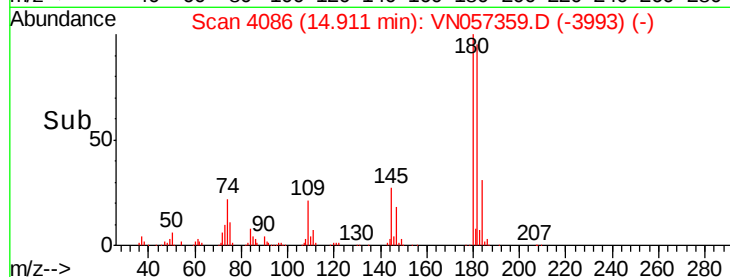
#93
 1,2,4-Trichlorobenzene
 Concen: 45.825 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 279342
 Ion Ratio Lower Upper
 180 100
 182 97.7 48.0 144.2
 145 27.1 14.5 43.6

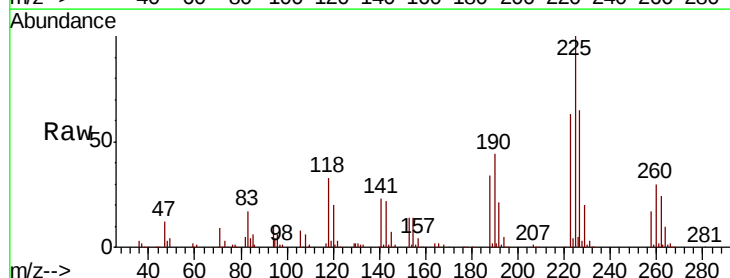


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

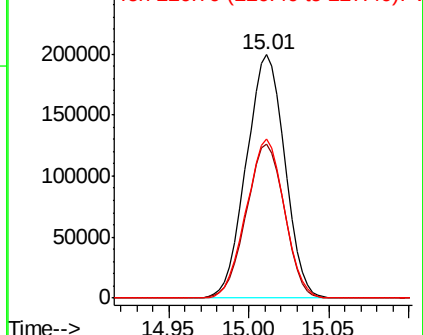
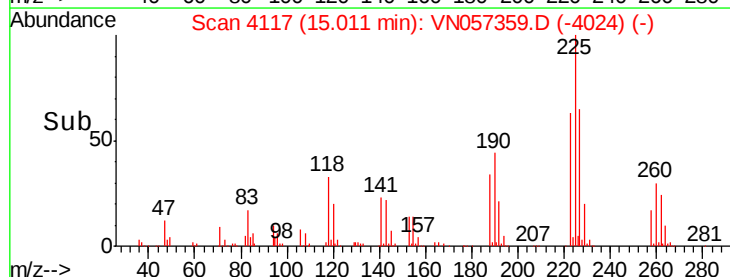


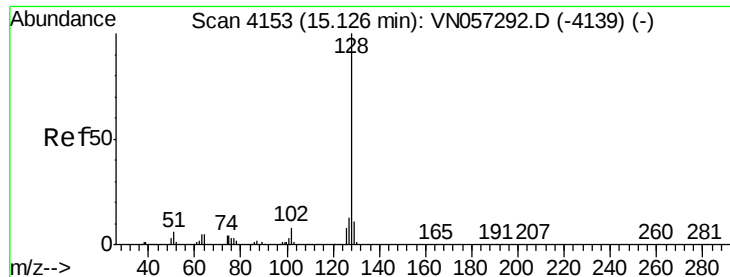
#94
 Hexachlorobutadiene
 Concen: 56.152 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Tgt Ion:225 Resp: 328511
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.7 92.1
 227 64.6 30.9 92.7



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





#95

Naphthalene

Concen: 56.232 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

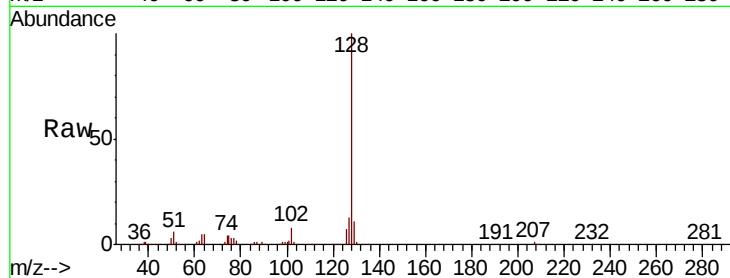
Tgt Ion:128 Resp: 555460

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

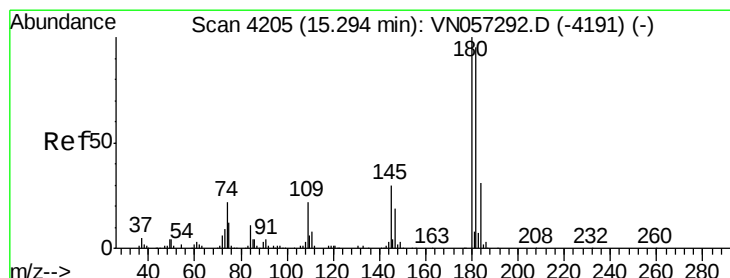
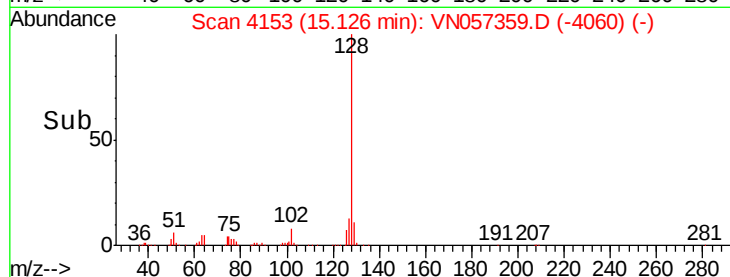
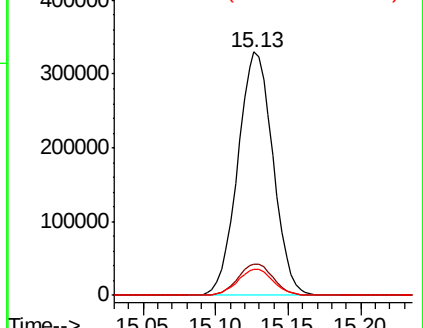
129 11.0 8.8 13.2



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: 58.074 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

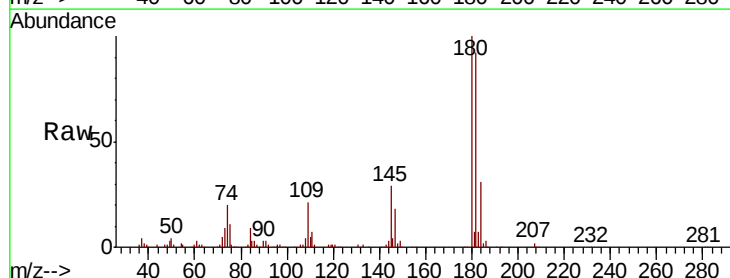
Tgt Ion:180 Resp: 258989

Ion Ratio Lower Upper

180 100

182 94.5 47.9 143.6

145 29.9 15.1 45.3



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

