

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070119\
 Data File : VN056573.D
 Acq On : 1 Jul 2019 15:35
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 02 01:08:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	329244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	502385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	456180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	191207	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	181227	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	7.59	113	157819	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
50) Toluene-d8	10.09	98	592718	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.40	95	207635	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	123603	44.336	ug/l	99
3) Chloromethane	2.06	50	168237	44.320	ug/l	99
4) Vinyl Chloride	2.18	62	163371	44.560	ug/l	100
5) Bromomethane	2.52	94	90377	42.048	ug/l	96
6) Chloroethane	2.67	64	89611	42.205	ug/l	99
7) Trichlorofluoromethane	3.00	101	217876	45.940	ug/l	100
8) Diethyl Ether	3.40	74	95614	47.636	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	142476	47.108	ug/l	99
10) Methyl Iodide	3.94	142	194739	47.640	ug/l	99
11) Tert butyl alcohol	4.80	59	155866	253.609	ug/l	99
12) 1,1-Dichloroethene	3.73	96	134567	46.267	ug/l	96
13) Acrolein	3.60	56	99858	192.780	ug/l	99
14) Allyl chloride	4.32	41	240754	49.726	ug/l	99
15) Acrylonitrile	4.99	53	442270	260.118	ug/l	99
16) Acetone	3.82	43	388129	212.299	ug/l	100
17) Carbon Disulfide	4.04	76	255445	38.614	ug/l	98
18) Methyl Acetate	4.32	43	190127	53.152	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	483179	50.205	ug/l	98
20) Methylene Chloride	4.55	84	166328	48.229	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	142881	45.565	ug/l	98
22) Diisopropyl ether	5.95	45	512687	50.422	ug/l	96
23) Vinyl Acetate	5.89	43	2138034	266.595	ug/l	100
24) 1,1-Dichloroethane	5.84	63	290070	49.697	ug/l	100
25) 2-Butanone	6.84	43	599963	247.953	ug/l	99
26) 2,2-Dichloropropane	6.82	77	206133	50.778	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	181503	49.473	ug/l	99
28) Bromochloromethane	7.19	49	148306	51.370	ug/l	100
29) Tetrahydrofuran	7.21	42	390457	264.060	ug/l	98
30) Chloroform	7.37	83	292336	50.758	ug/l	100
31) Cyclohexane	7.65	56	245263	43.526	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	227143	49.755	ug/l	98
36) 1,1-Dichloropropene	7.79	75	203220	45.958	ug/l	99
37) Ethyl Acetate	6.93	43	231478	53.268	ug/l	98
38) Carbon Tetrachloride	7.77	117	190619	49.296	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	243087	44.552	ug/l	99
40) Benzene	8.04	78	653172	48.021	ug/l	98
41) Methacrylonitrile	7.17	41	99495	51.850	ug/l	95
42) 1,2-Dichloroethane	8.12	62	218938	48.774	ug/l	100
43) Isopropyl Acetate	8.16	43	356384	53.186	ug/l #	92
44) Trichloroethene	8.83	130	174957	47.751	ug/l	97
45) 1,2-Dichloropropane	9.12	63	183782	50.523	ug/l	97
46) Dibromomethane	9.21	93	115413	50.713	ug/l	97
47) Bromodichloromethane	9.40	83	213425	52.876	ug/l	99
48) Methyl methacrylate	9.20	41	171736	51.144	ug/l	98
49) 1,4-Dioxane	9.20	88	71666	1028.450	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1144222	264.565	ug/l	100
52) Toluene	10.16	92	402570	48.410	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	225114	48.007	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	258898	53.264	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	174411	52.178	ug/l	99
56) Ethyl methacrylate	10.43	69	259067	53.034	ug/l	99
57) 1,3-Dichloropropane	10.71	76	288910	51.450	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	353900	201.661	ug/l	99
59) 2-Hexanone	10.75	43	801592	252.179	ug/l	99
60) Dibromochloromethane	10.90	129	172516	50.202	ug/l	98
61) 1,2-Dibromoethane	11.00	107	177003	51.847	ug/l	100
64) Tetrachloroethene	10.63	164	168393	46.613	ug/l	99
65) Chlorobenzene	11.43	112	436633	47.634	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	162396	52.420	ug/l	99
67) Ethyl Benzene	11.51	91	764686	47.512	ug/l	99
68) m/p-Xylenes	11.62	106	573542	97.237	ug/l	99
69) o-Xylene	11.95	106	284409	48.738	ug/l	99
70) Styrene	11.96	104	477115	51.151	ug/l	99
71) Bromoform	12.13	173	120162	48.200	ug/l #	99
73) Isopropylbenzene	12.25	105	756340	52.816	ug/l	99
74) N-amyl acetate	12.07	43	291851	47.960	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	247297	55.990	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	288066	72.658	ug/l #	100
77) Bromobenzene	12.52	156	197399	46.171	ug/l	98
78) n-propylbenzene	12.59	91	818009	46.717	ug/l	100
79) 2-Chlorotoluene	12.67	91	500361	52.226	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	615447	51.199	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	60669	54.386	ug/l	95
82) 4-Chlorotoluene	12.77	91	479957	46.424	ug/l	99
83) tert-Butylbenzene	12.99	119	556737	53.276	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	593422	46.102	ug/l	100
85) sec-Butylbenzene	13.17	105	713666	46.371	ug/l	100
86) p-Isopropyltoluene	13.29	119	614831	46.550	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	313643	48.408	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	294434	46.922	ug/l	100
89) n-Butylbenzene	13.61	91	438191	43.824	ug/l	99
90) Hexachloroethane	13.87	117	105310	51.142	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	312155	48.559	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36893	52.146	ug/l	97

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QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration

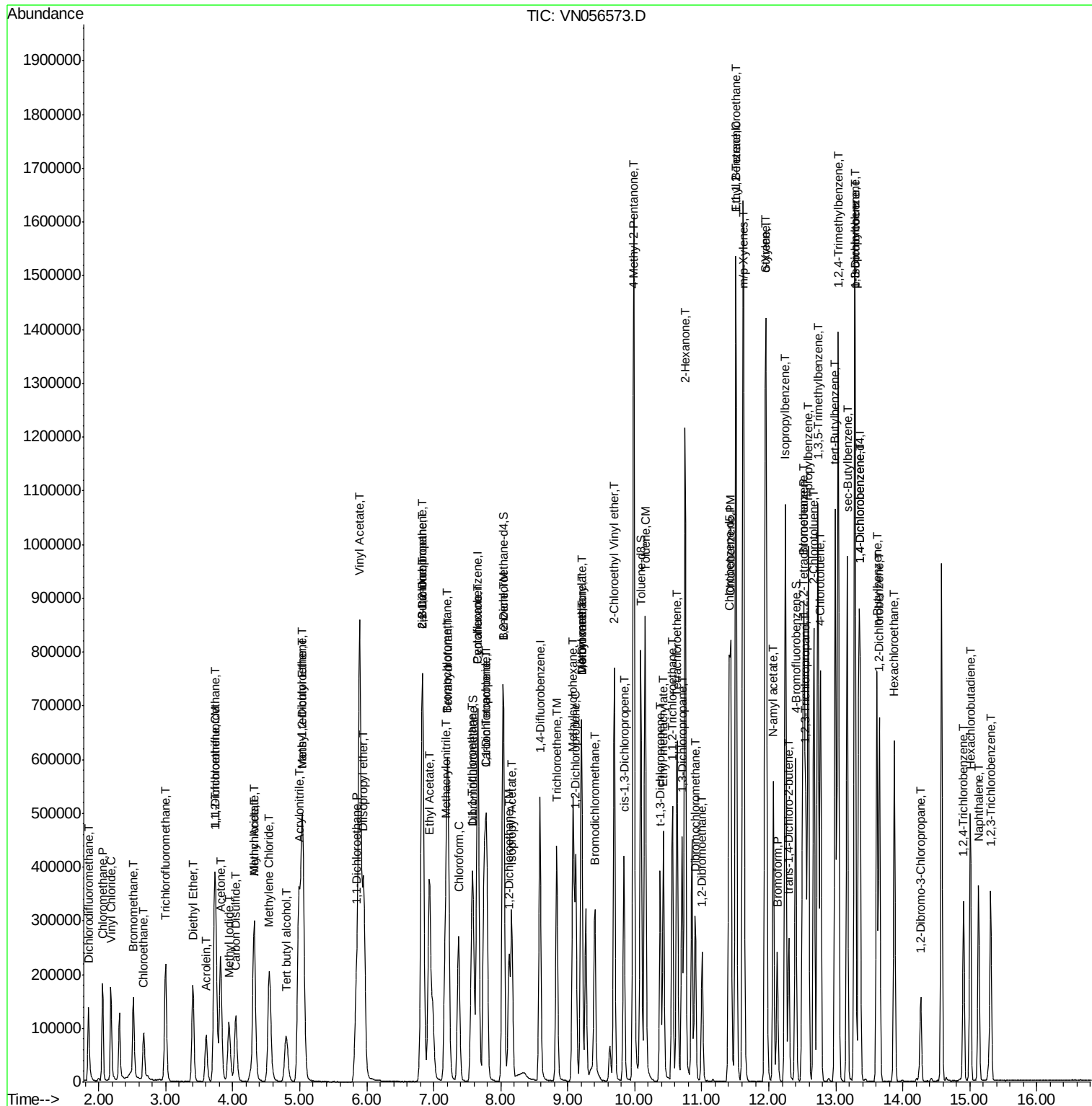
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	119619	37.335	ug/l	99
94) Hexachlorobutadiene	15.01	225	108139	49.626	ug/l	99
95) Naphthalene	15.13	128	322766	38.267	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	133597	39.545	ug/l	98

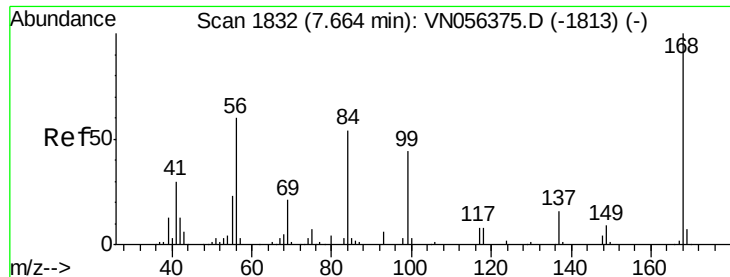
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070119\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

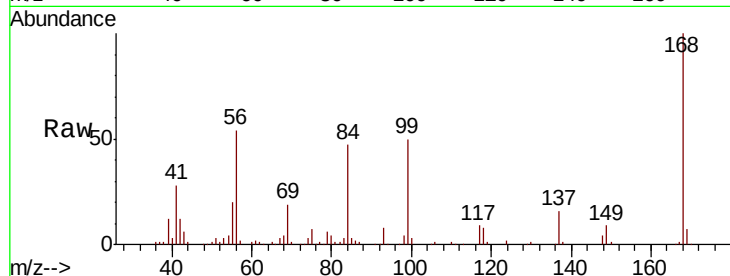
VSTDCCC050EC

Tot Ion:168 Resp: 329244

Ion Ratio Lower Upper

168 100

99 49.8 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

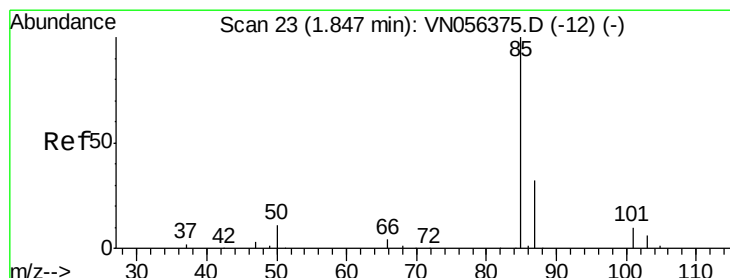
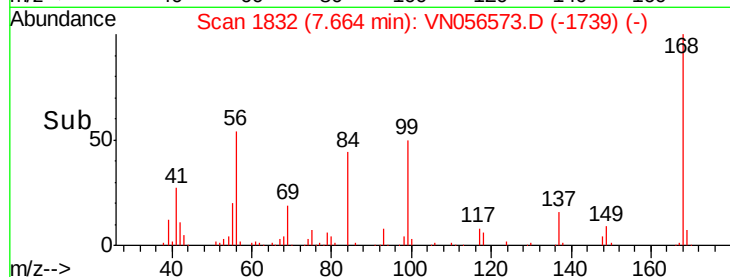
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.336 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056573.D

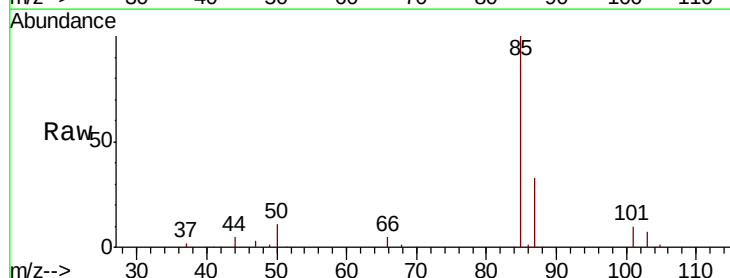
Acq: 1 Jul 2019 15:35

Tgt Ion: 85 Resp: 123603

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

60000

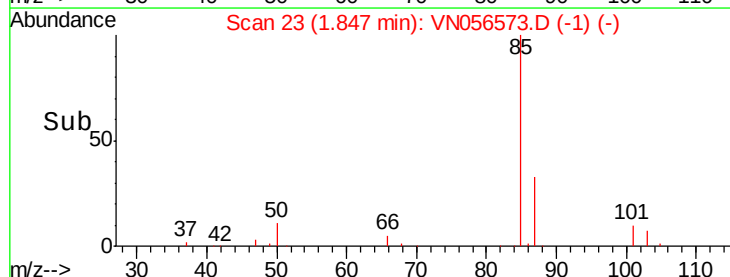
40000

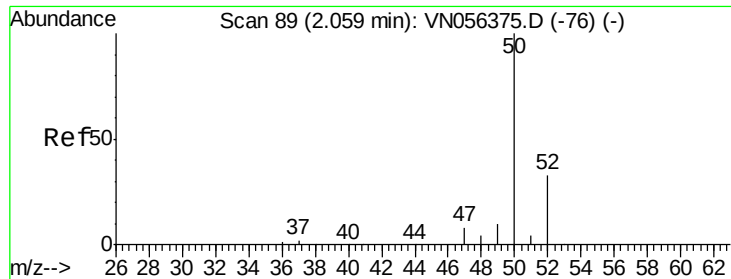
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 44.320 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

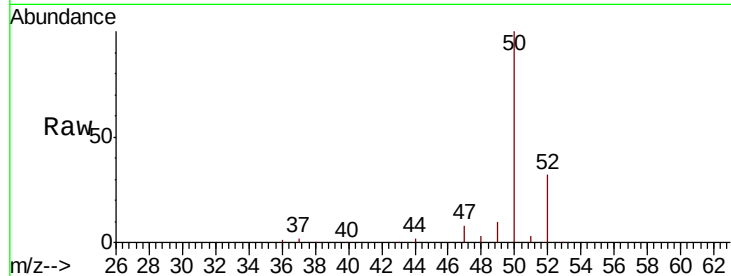
VSTDCCC050EC

Tot Ion: 50 Resp: 168237

Ion Ratio Lower Upper

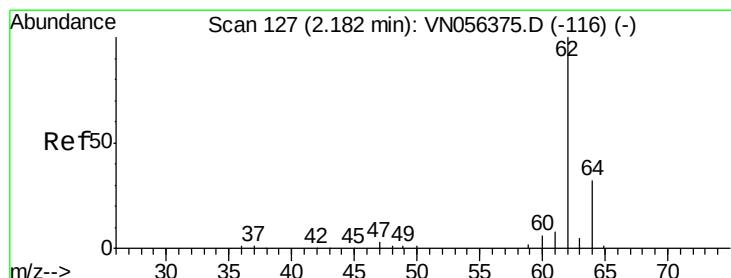
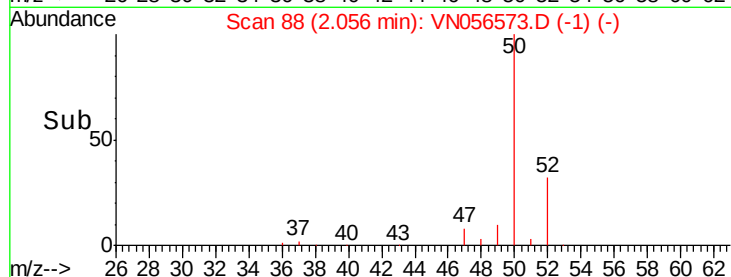
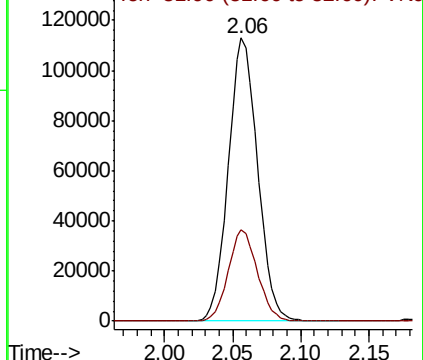
50 100

52 32.4 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 44.560 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056573.D

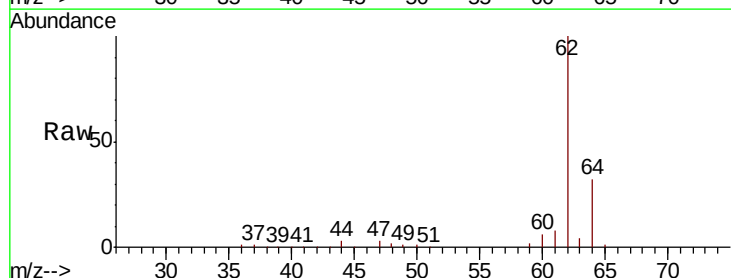
Acq: 1 Jul 2019 15:35

Tgt Ion: 62 Resp: 163371

Ion Ratio Lower Upper

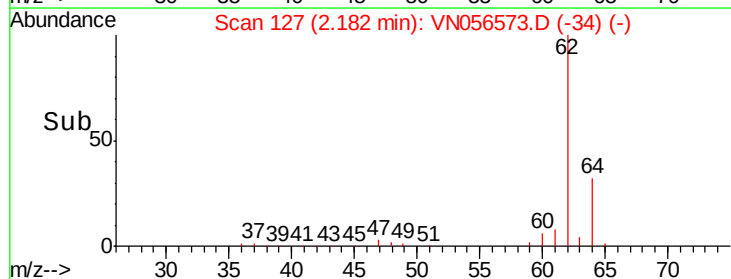
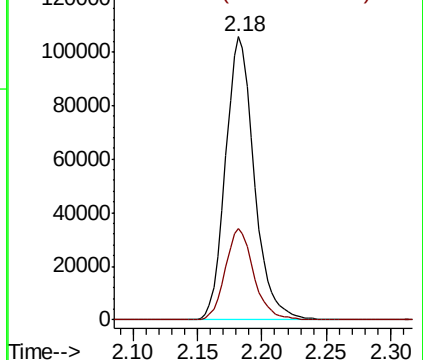
62 100

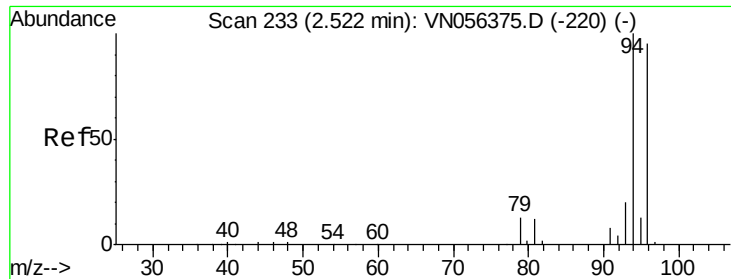
64 32.1 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

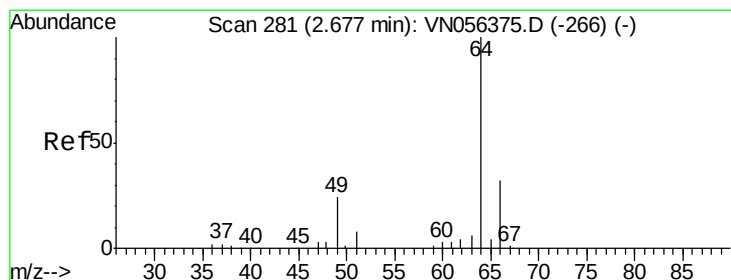
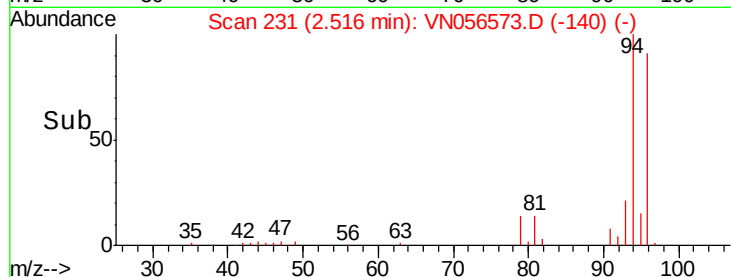
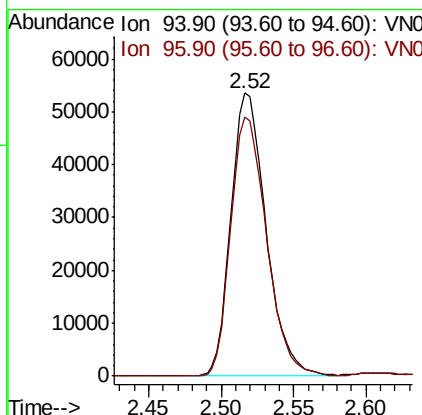
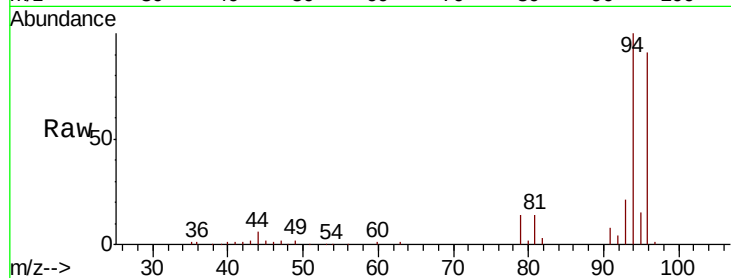




#5
Bromomethane
Concen: 42.048 ug/l
RT: 2.52 min Scan# 231
Delta R.T. -0.01 min
Lab File: VN056573.D
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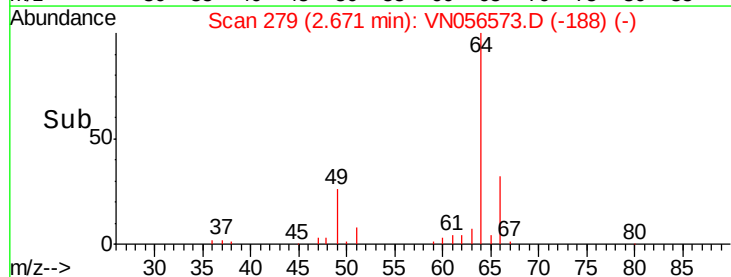
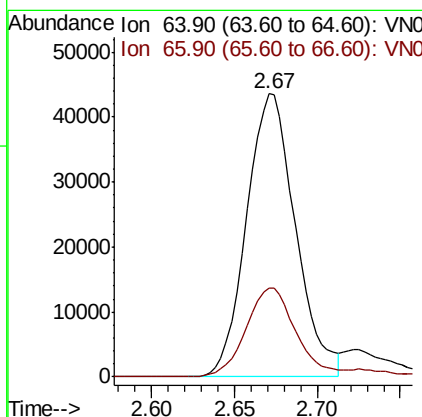
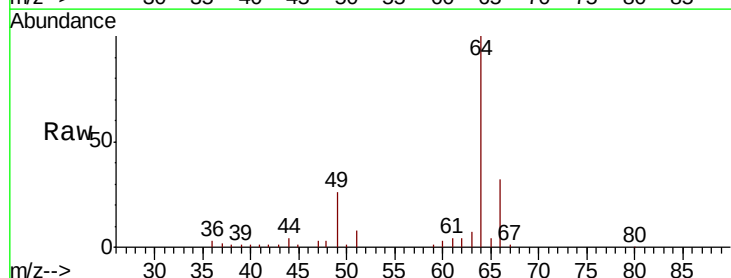
Instrument :
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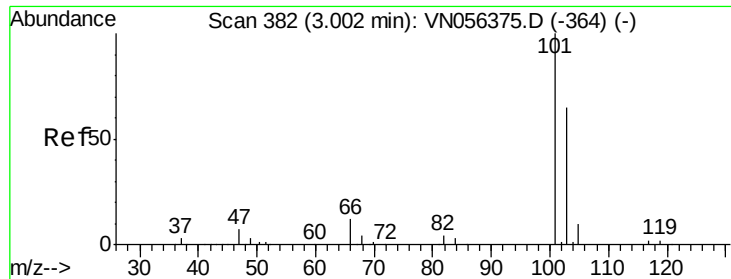
Tot Ion: 94 Resp: 90377
Ion Ratio Lower Upper
94 100
96 91.4 76.0 114.0



#6
Chloroethane
Concen: 42.205 ug/l
RT: 2.67 min Scan# 279
Delta R.T. -0.01 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion: 64 Resp: 89611
Ion Ratio Lower Upper
64 100
66 31.6 25.8 38.8



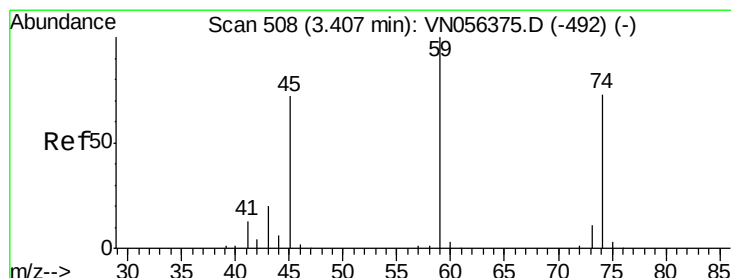
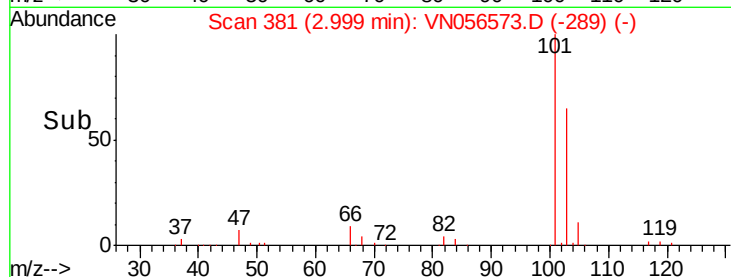
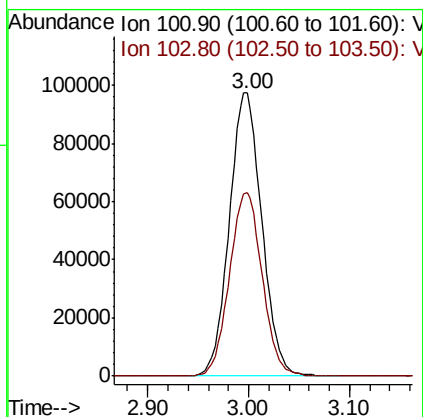
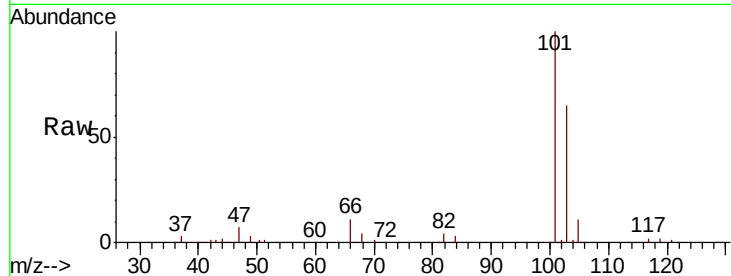


#7

Trichlorofluoromethane
 Concen: 45.940 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Instrument :
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 VSTDCCC050EC

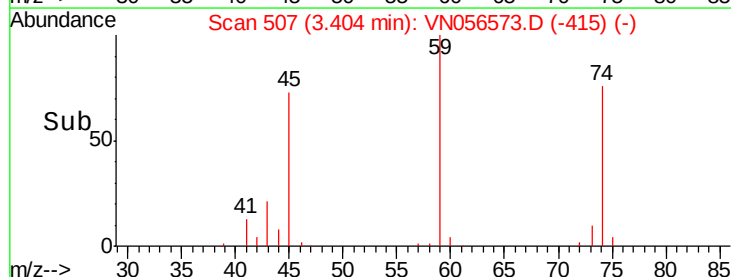
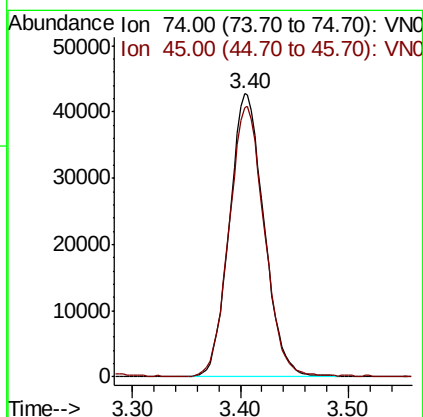
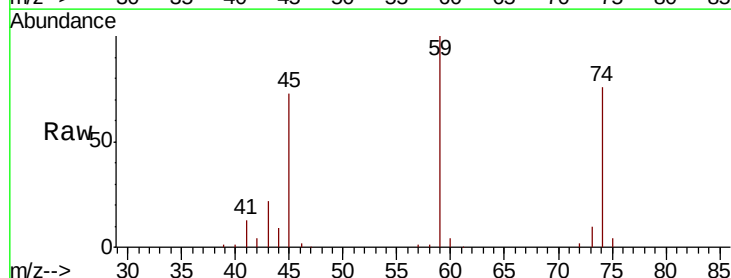
Tot Ion:101 Resp: 217876
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.7 77.5

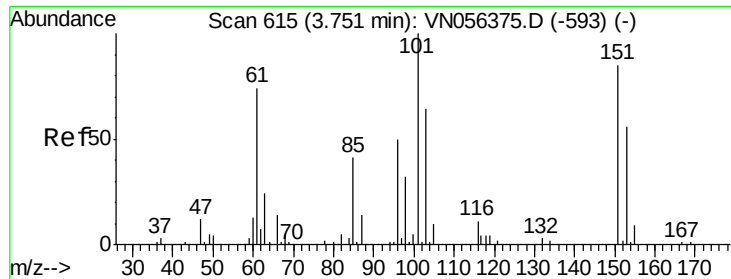


#8

Diethyl Ether
 Concen: 47.636 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion: 74 Resp: 95614
 Ion Ratio Lower Upper
 74 100
 45 97.6 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.108 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

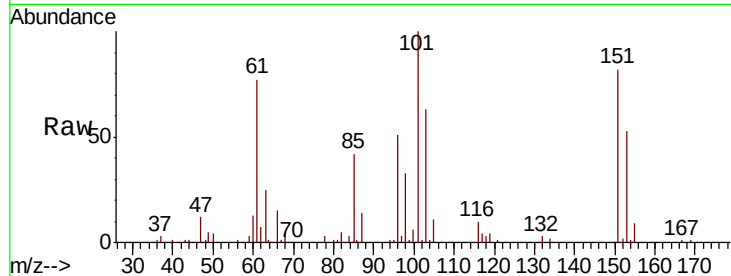
Tot Ion:101 Resp: 142476

Ion Ratio Lower Upper

101 100

85 41.1 32.7 49.1

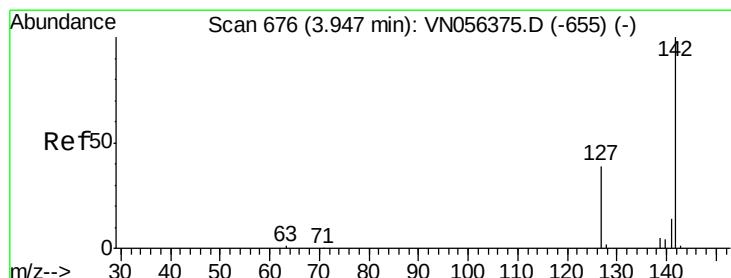
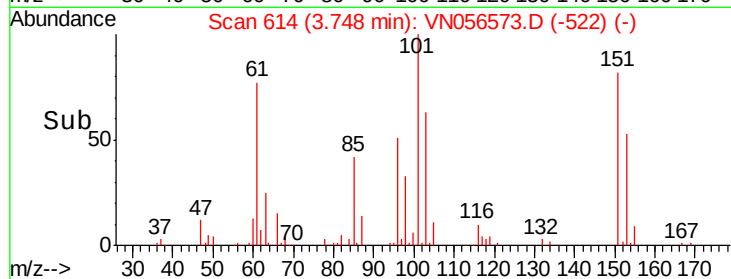
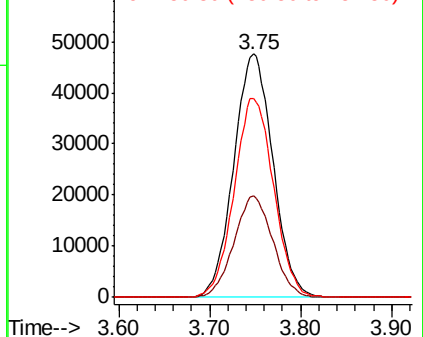
151 82.1 66.8 100.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.640 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

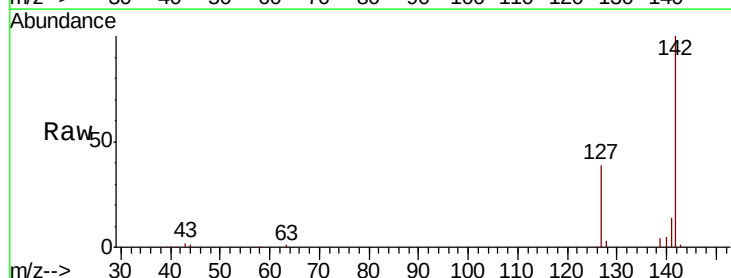
Tgt Ion:142 Resp: 194739

Ion Ratio Lower Upper

142 100

127 39.2 30.6 46.0

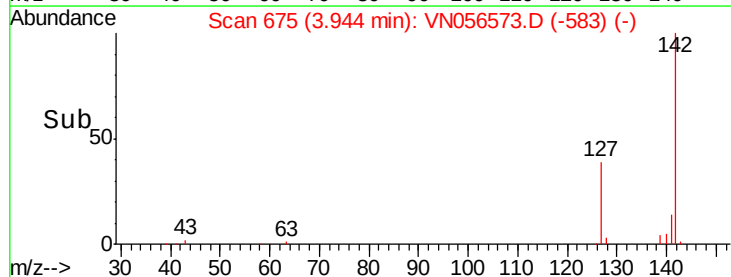
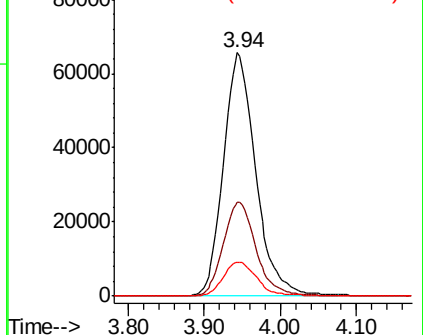
141 14.5 11.4 17.2

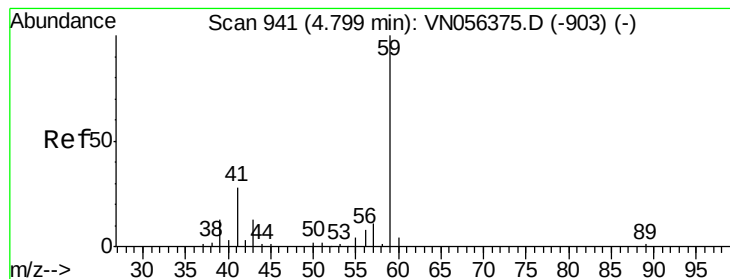


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



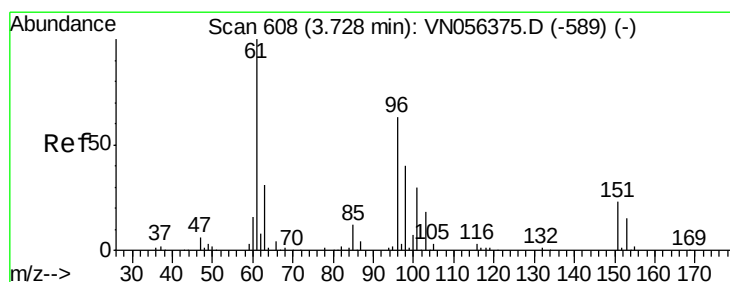
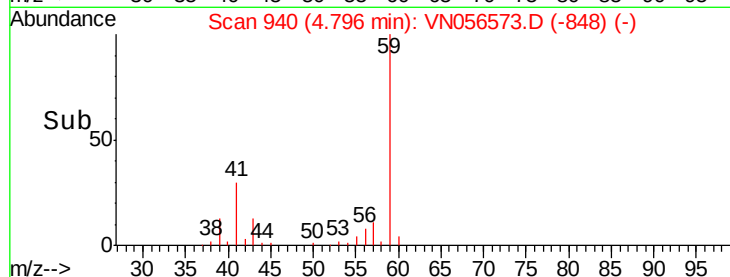
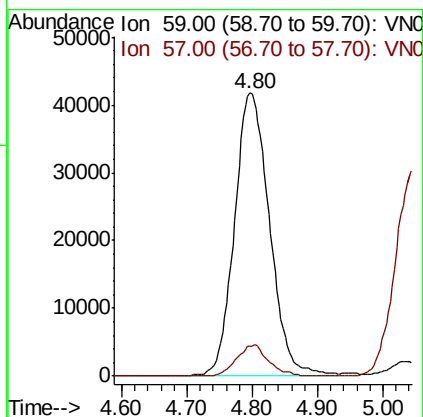
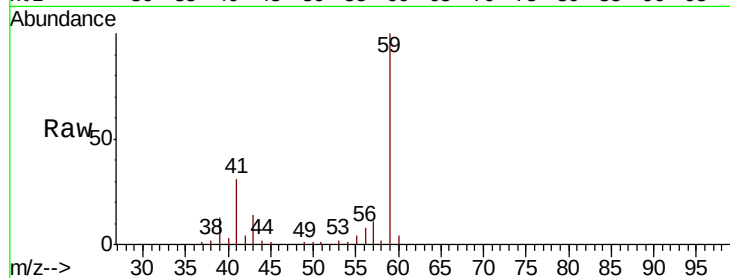


#11

Tert butyl alcohol
 Concen: 253.609 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

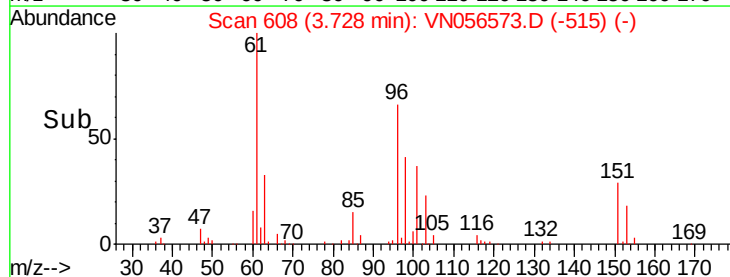
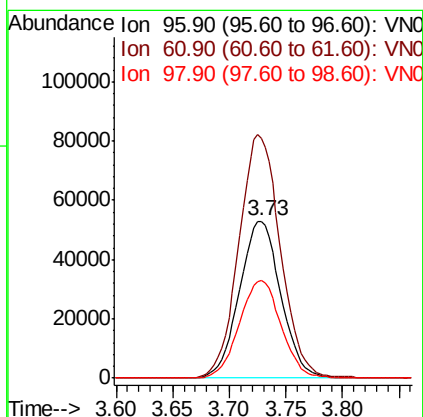
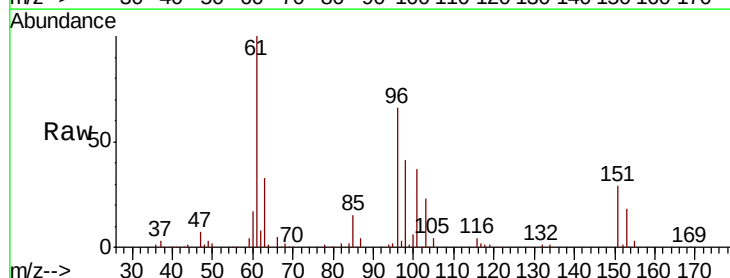
Tot Ion: 59 Resp: 155866
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.6 11.4

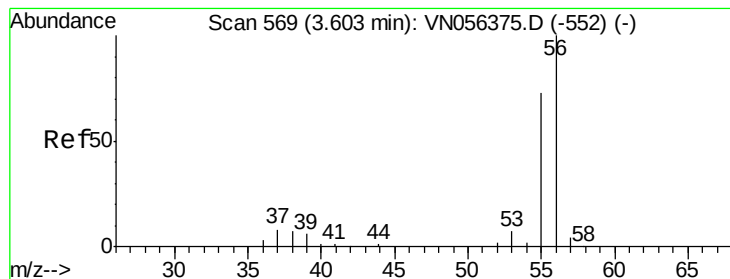


#12

1,1-Dichloroethene
 Concen: 46.267 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion: 96 Resp: 134567
 Ion Ratio Lower Upper
 96 100
 61 152.6 126.6 190.0
 98 62.1 51.1 76.7





#13

Acrolein

Concen: 192.780 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

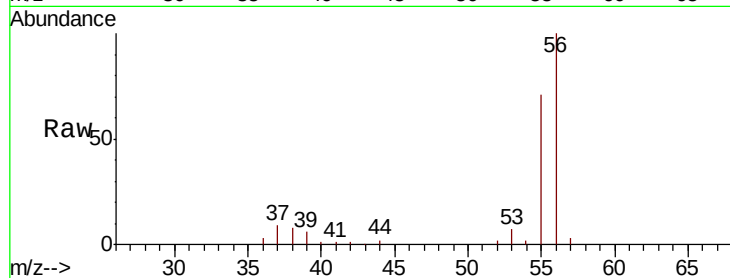
VSTDCCC050EC

Tot Ion: 56 Resp: 99858

Ion Ratio Lower Upper

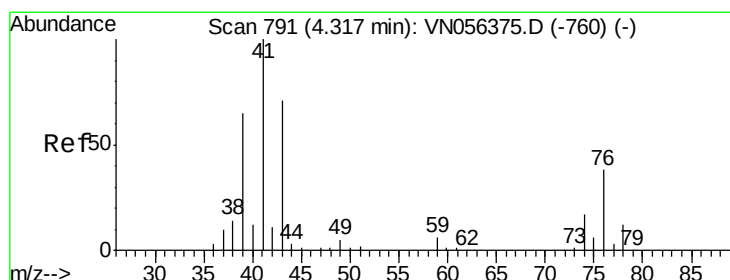
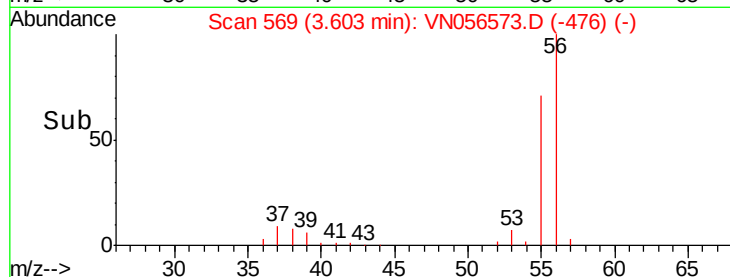
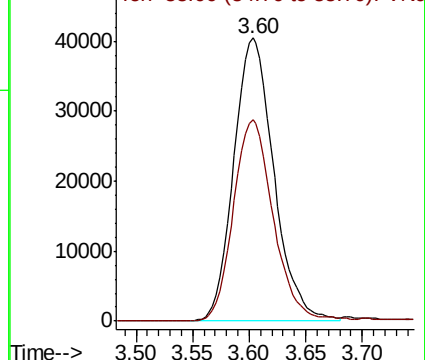
56 100

55 71.0 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.726 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

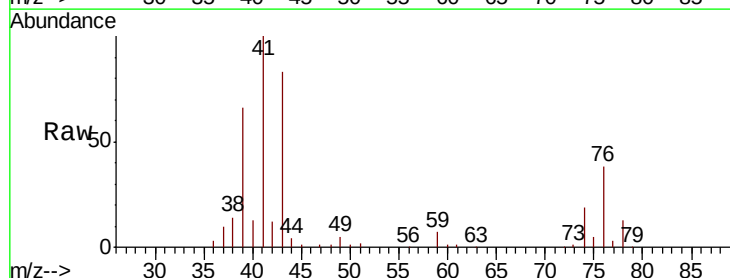
Tgt Ion: 41 Resp: 240754

Ion Ratio Lower Upper

41 100

39 60.0 48.6 73.0

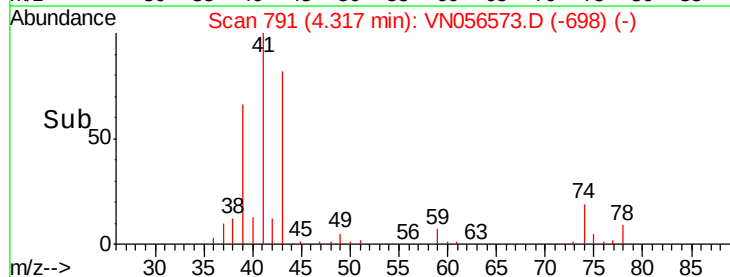
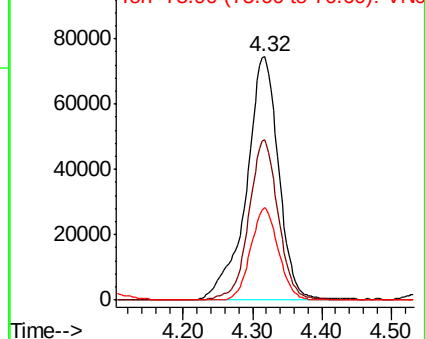
76 32.5 26.6 40.0

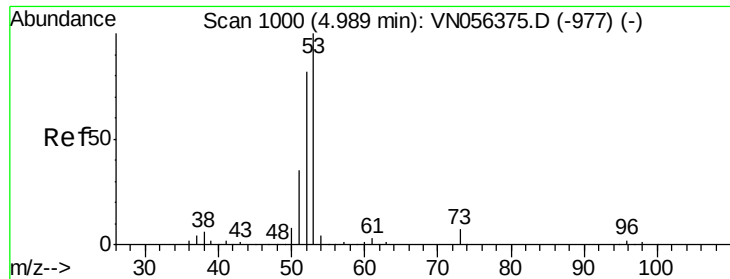


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

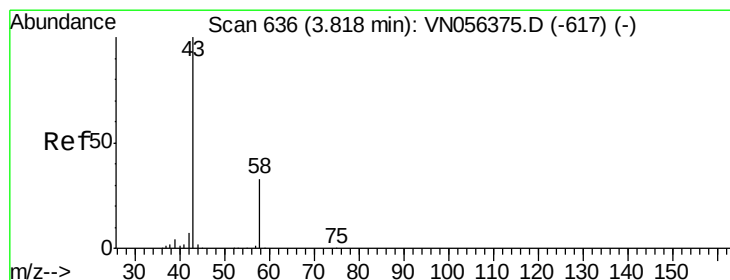
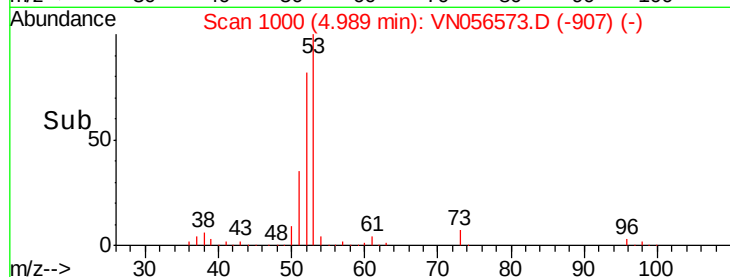
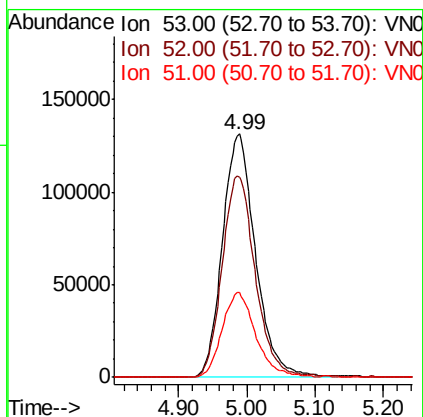
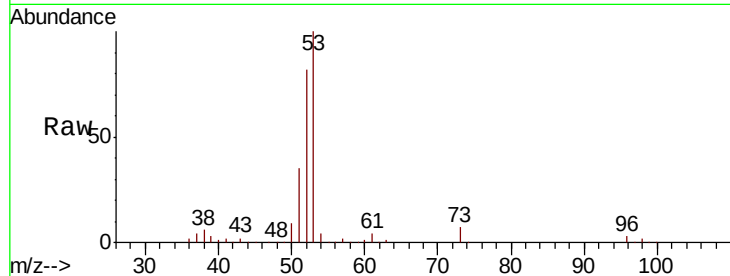




#15
 Acrylonitrile
 Concen: 260.118 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

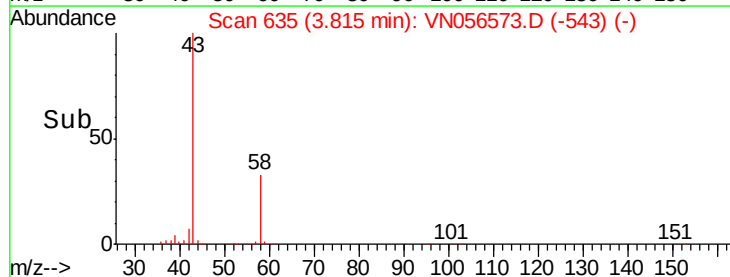
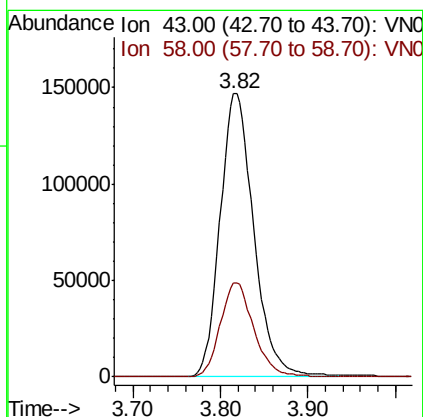
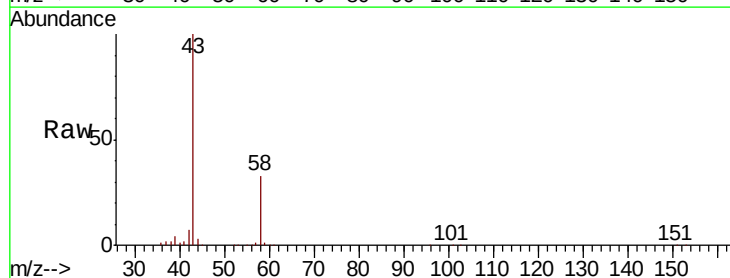
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

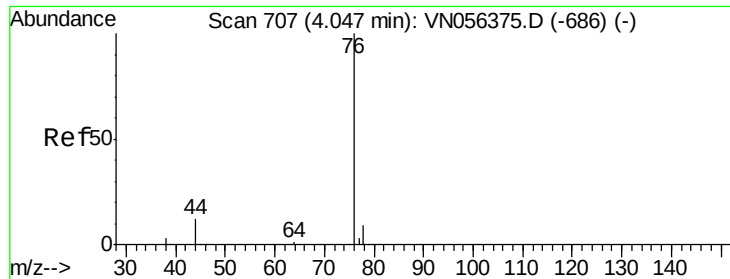
Tot Ion: 53 Resp: 442270
 Ion Ratio Lower Upper
 53 100
 52 83.3 65.9 98.9
 51 35.5 28.3 42.5



#16
 Acetone
 Concen: 212.299 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion: 43 Resp: 388129
 Ion Ratio Lower Upper
 43 100
 58 32.9 26.4 39.6





#17

Carbon Disulfide

Concen: 38.614 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

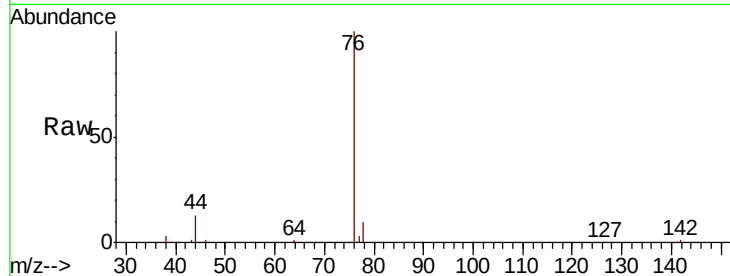
VSTDCCC050EC

Tot Ion: 76 Resp: 255445

Ion Ratio Lower Upper

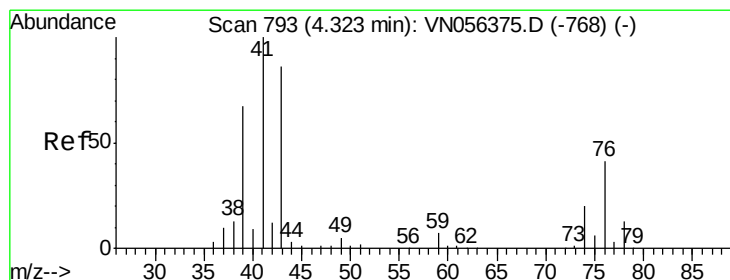
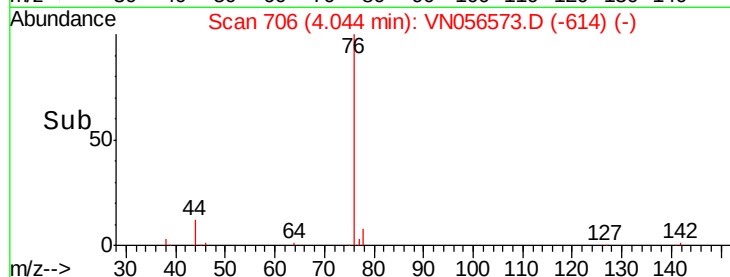
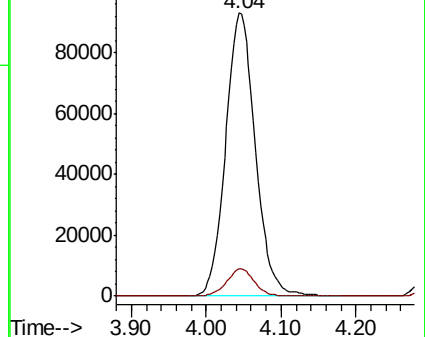
76 100

78 9.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 53.152 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056573.D

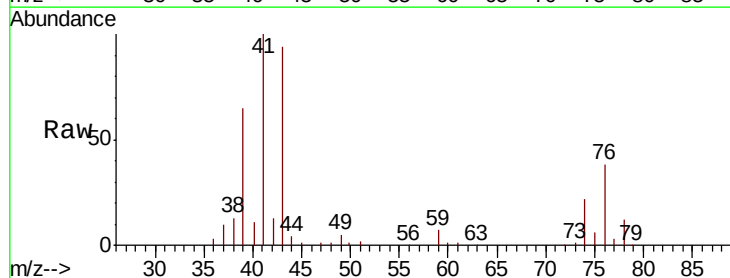
Acq: 1 Jul 2019 15:35

Tgt Ion: 43 Resp: 190127

Ion Ratio Lower Upper

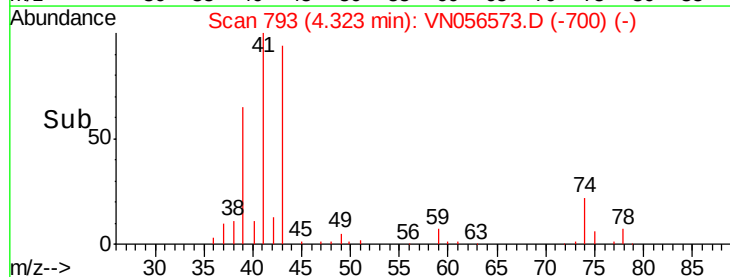
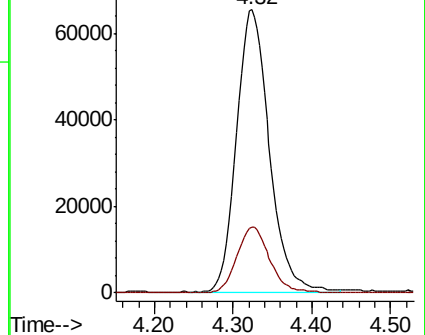
43 100

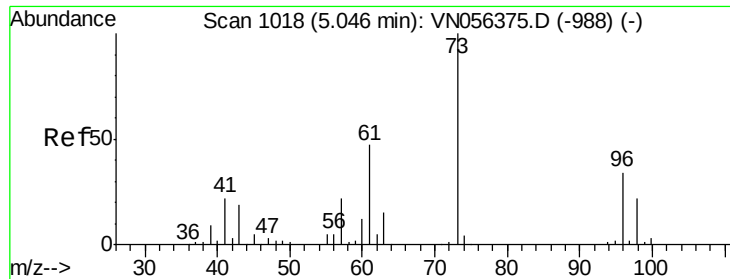
74 23.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

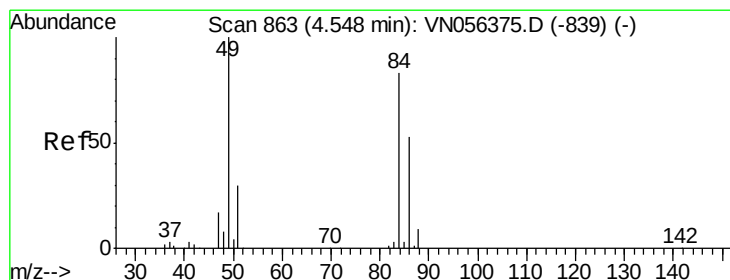
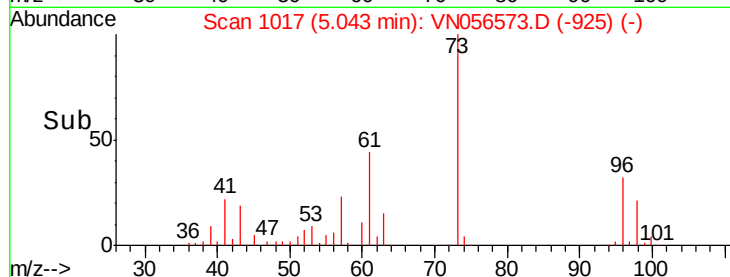
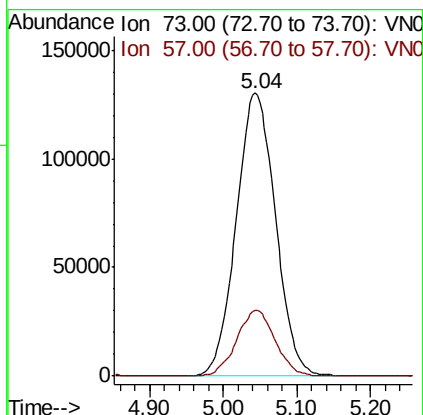
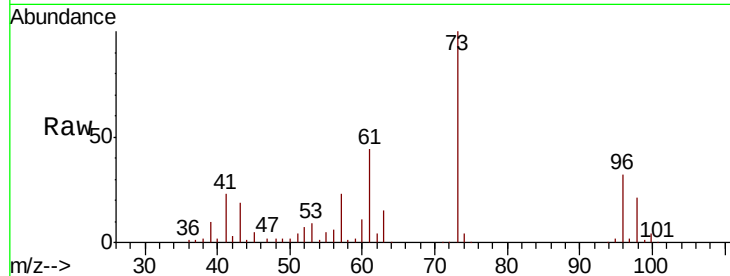




#19
Methyl tert-butyl Ether
Concen: 50.205 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

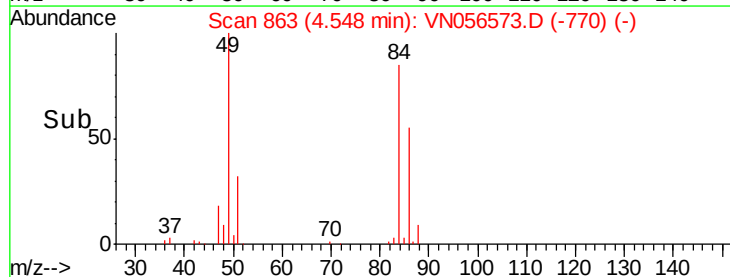
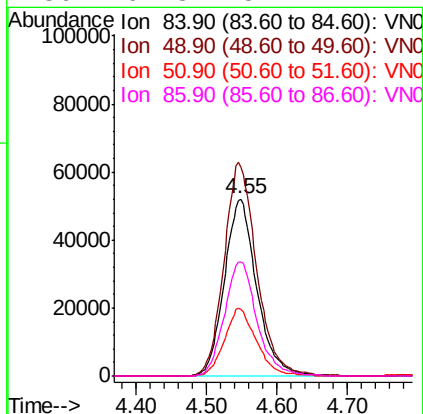
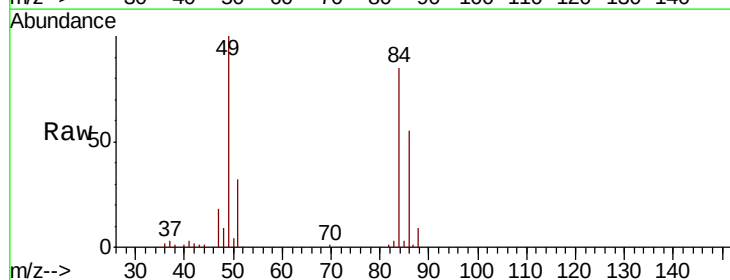
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

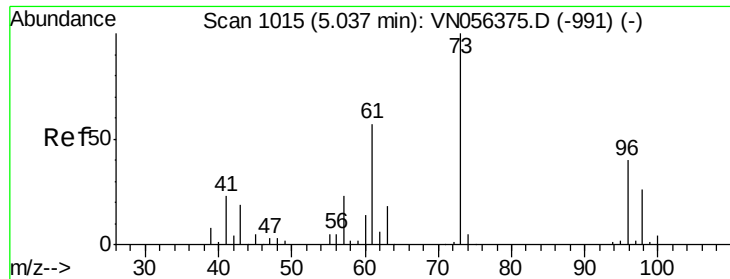
Tot Ion: 73 Resp: 483179
Ion Ratio Lower Upper
73 100
57 23.2 17.9 26.9



#20
Methylene Chloride
Concen: 48.229 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion: 84 Resp: 166328
Ion Ratio Lower Upper
84 100
49 117.9 96.4 144.6
51 37.8 28.6 43.0
86 64.8 51.4 77.2

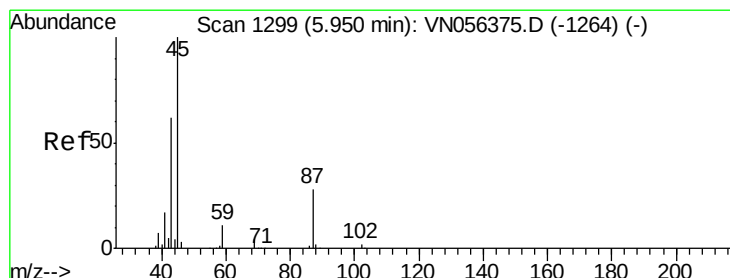
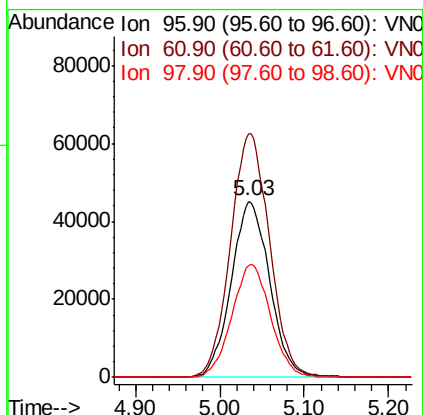
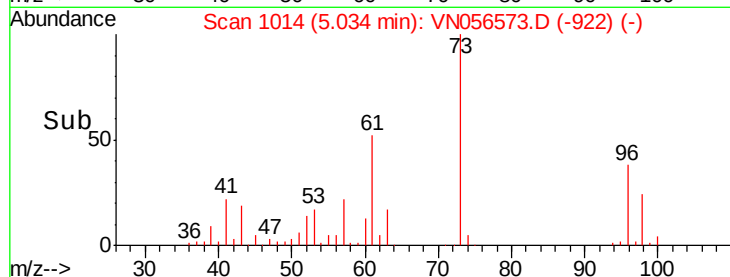
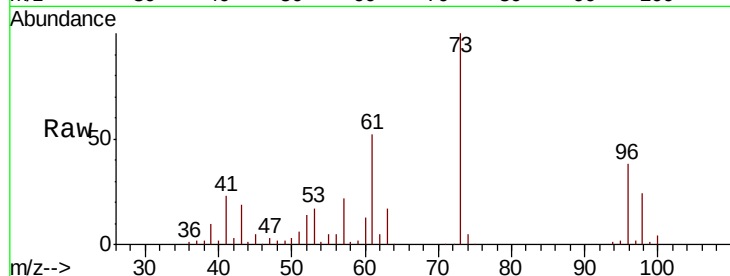




#21
trans-1,2-Dichloroethene
Concen: 45.565 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

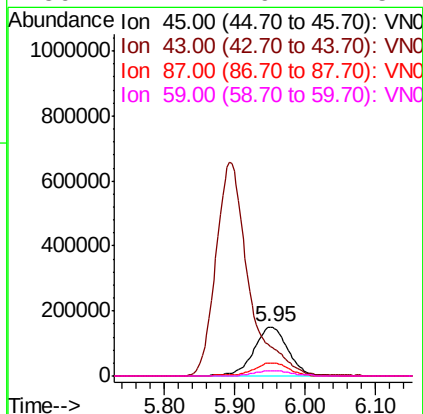
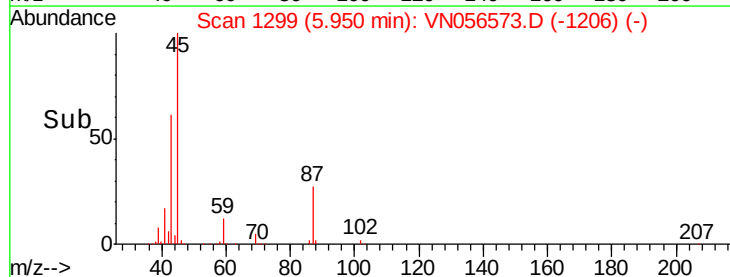
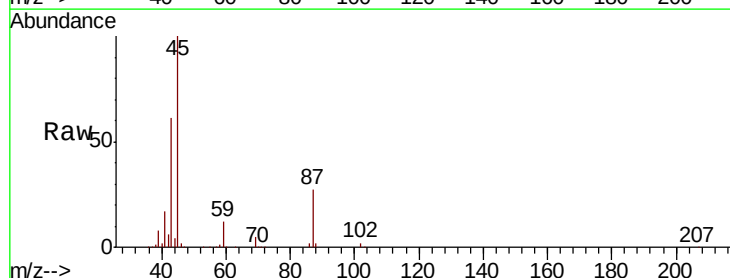
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

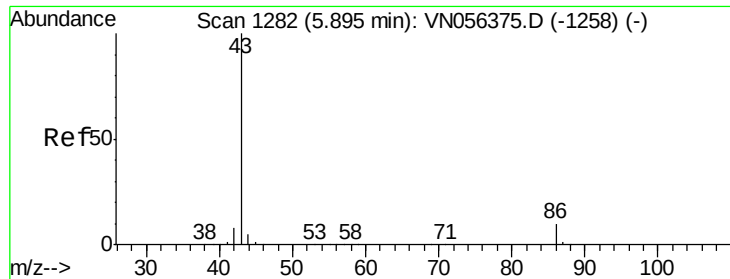
Tot Ion: 96 Resp: 142881
Ion Ratio Lower Upper
96 100
61 138.2 113.0 169.6
98 63.8 52.2 78.2



#22
Diisopropyl ether
Concen: 50.422 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion: 45 Resp: 512687
Ion Ratio Lower Upper
45 100
43 59.1 50.4 75.6
87 27.0 23.0 34.4
59 11.4 9.1 13.7

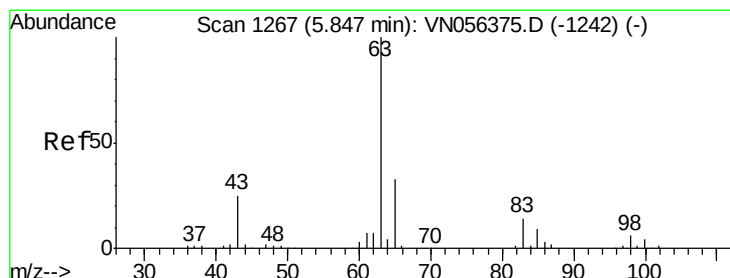
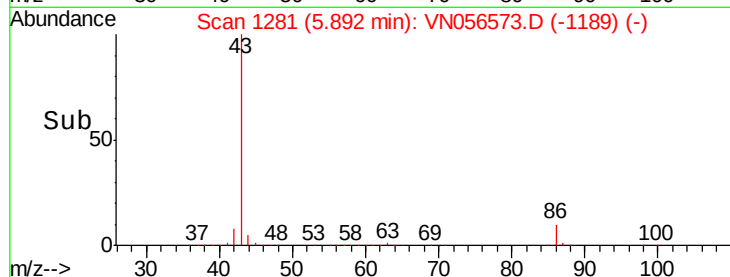
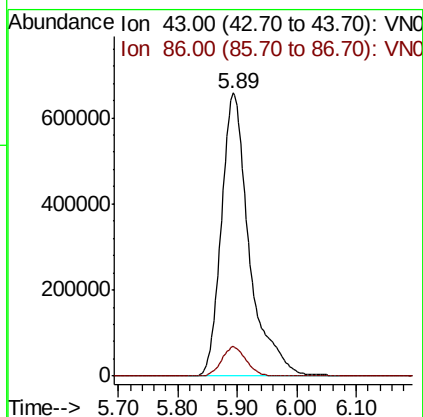
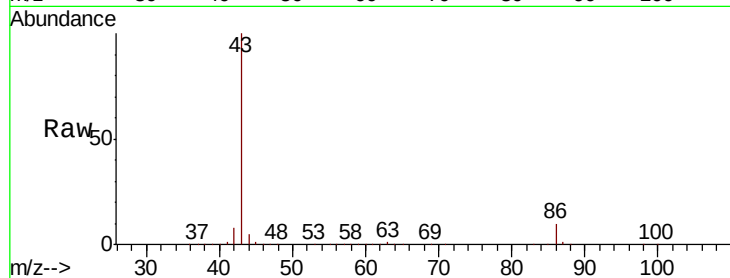




#23
 Vinyl Acetate
 Concen: 266.595 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

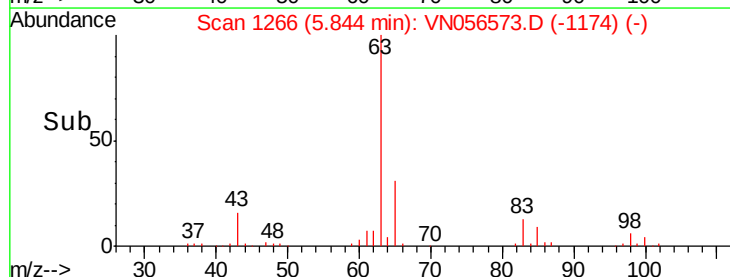
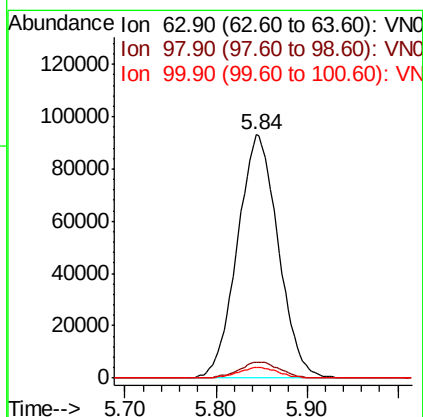
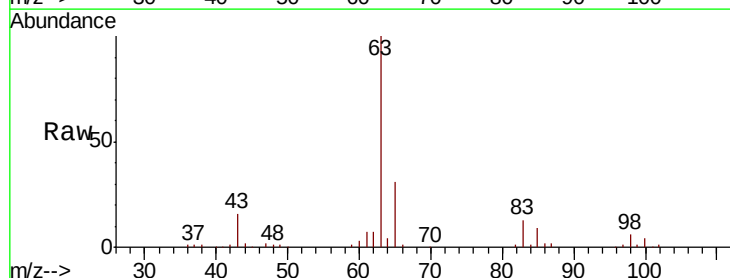
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

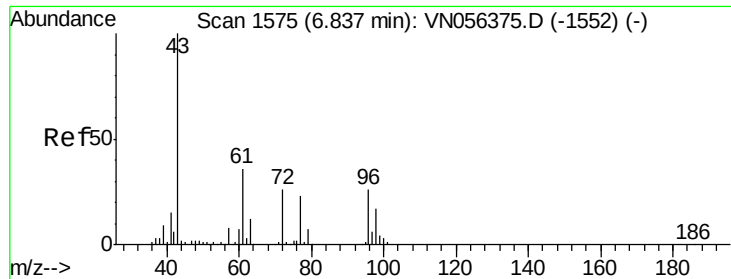
Tot Ion: 43 Resp: 2138034
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 49.697 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion: 63 Resp: 290070
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.2 9.6
 100 4.4 2.1 6.5





#25

2-Butanone

Concen: 247.953 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

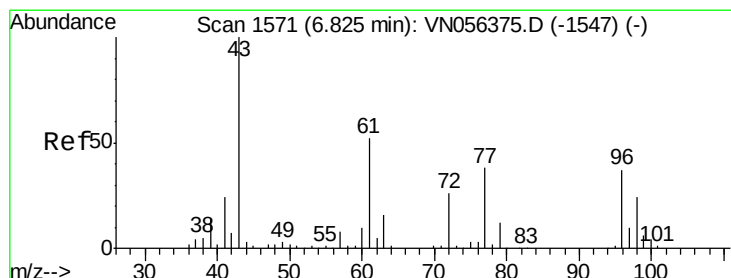
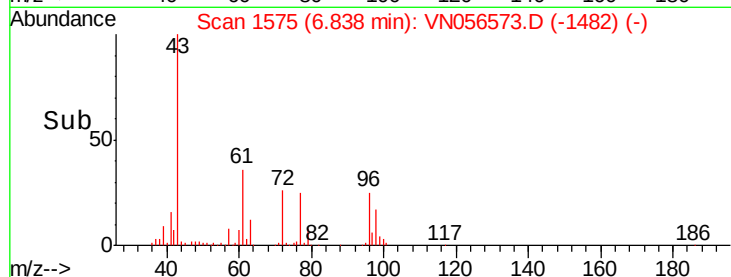
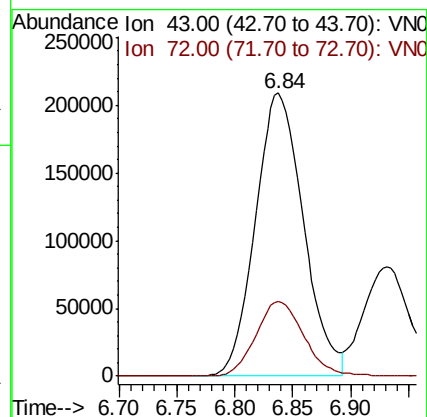
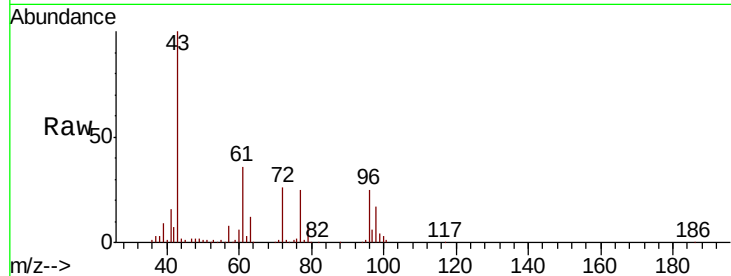
VSTDCCC050EC

Tot Ion: 43 Resp: 599963

Ion Ratio Lower Upper

43 100

72 26.3 20.6 31.0



#26

2,2-Dichloropropane

Concen: 50.778 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056573.D

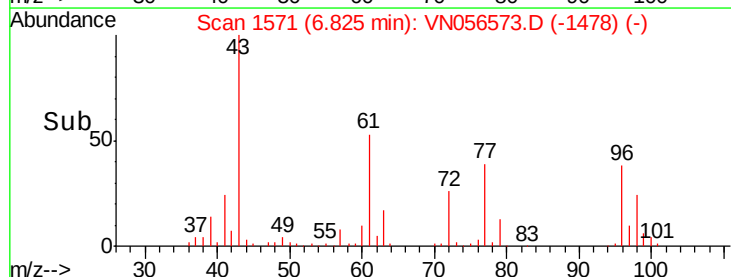
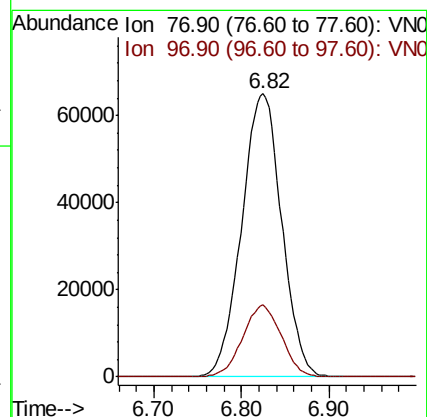
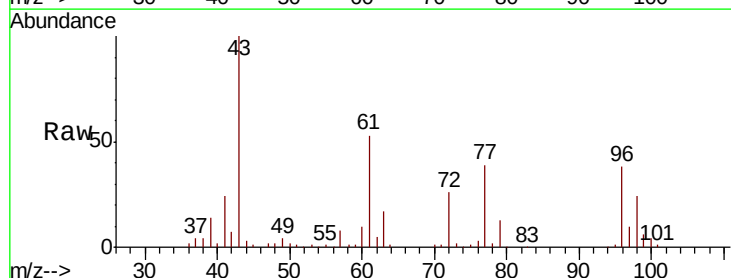
Acq: 1 Jul 2019 15:35

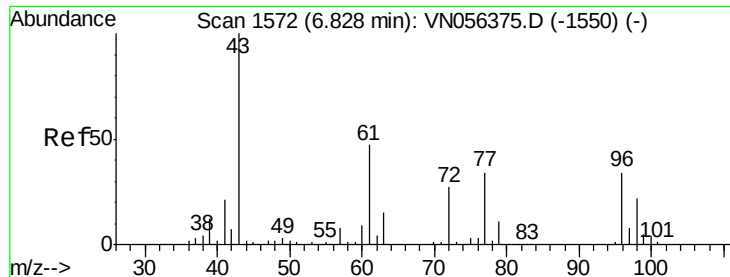
Tgt Ion: 77 Resp: 206133

Ion Ratio Lower Upper

77 100

97 24.6 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 49.473 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

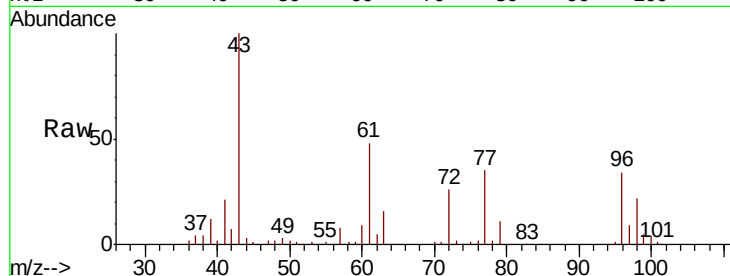
Tot Ion: 96 Resp: 181503

Ion Ratio Lower Upper

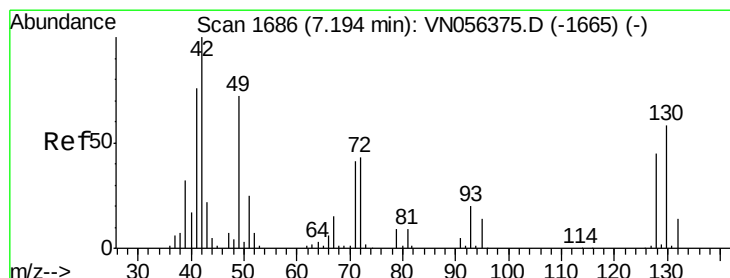
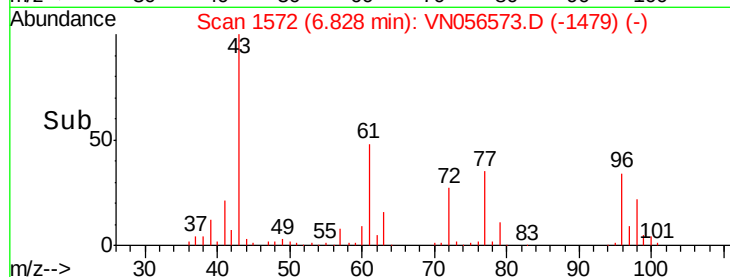
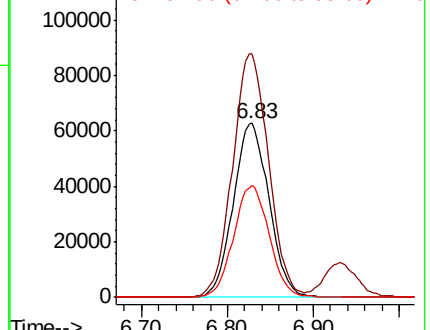
96 100

61 140.3 0.0 279.8

98 64.1 0.0 130.0



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



#28

Bromochloromethane

Concen: 51.370 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

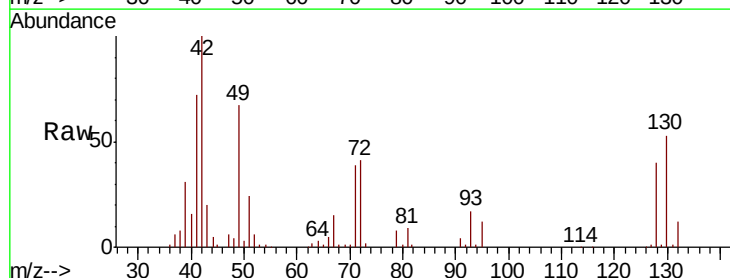
Tgt Ion: 49 Resp: 148306

Ion Ratio Lower Upper

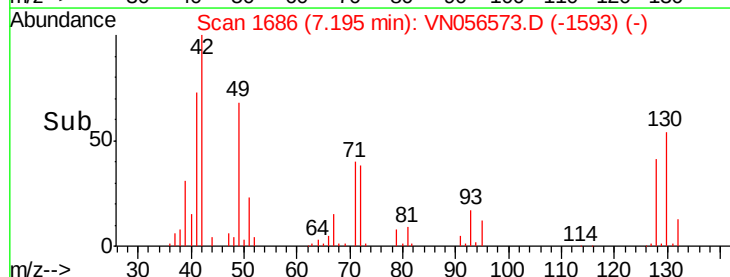
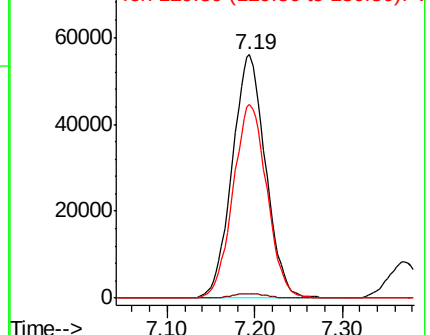
49 100

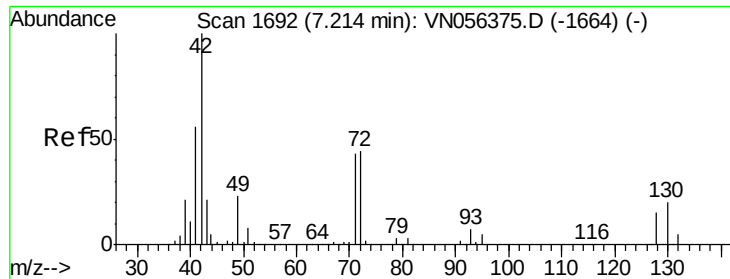
129 1.9 0.0 4.2

130 80.9 64.9 97.3



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

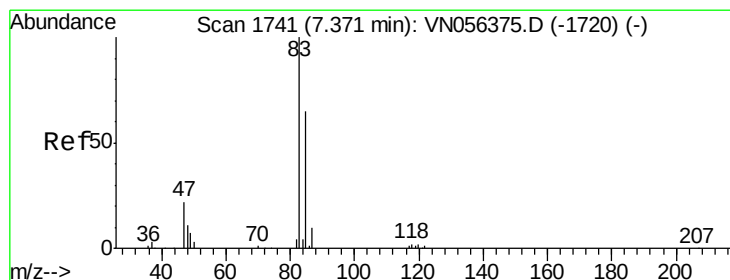
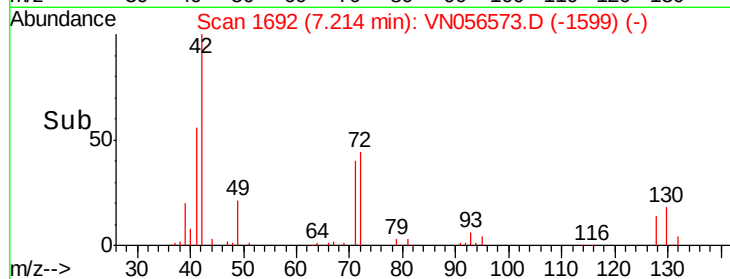
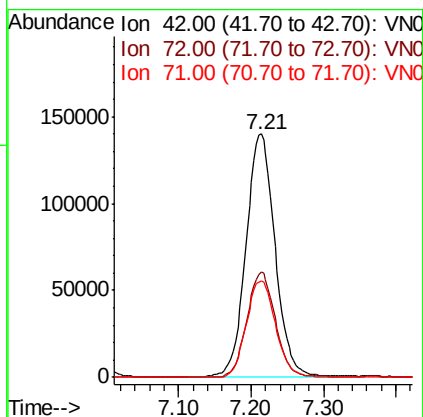
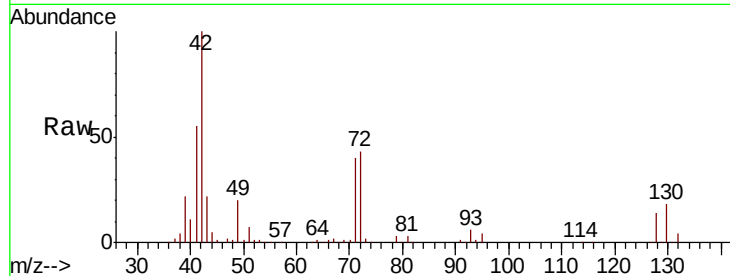




#29
Tetrahydrofuran
Concen: 264.060 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

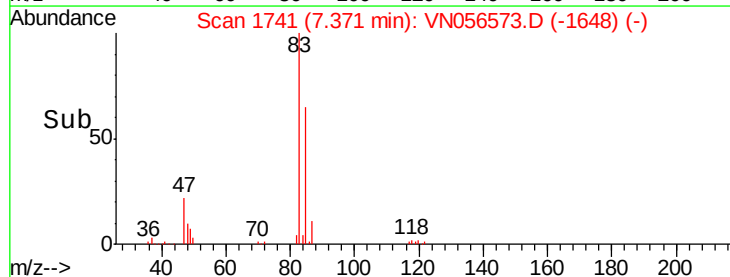
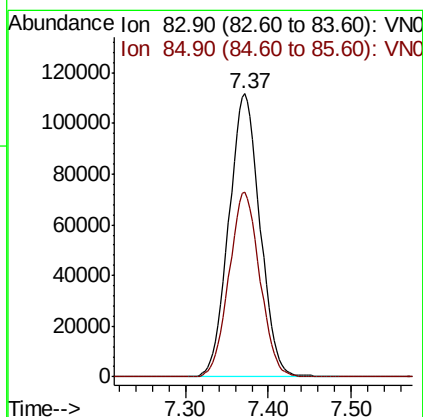
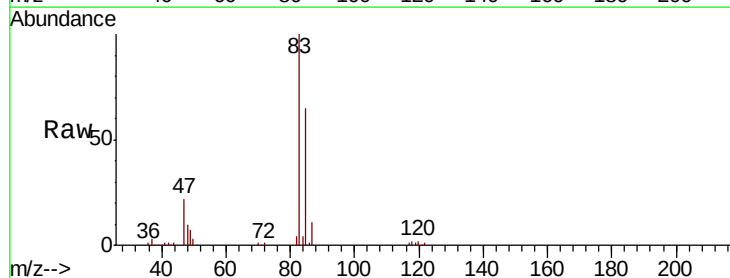
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

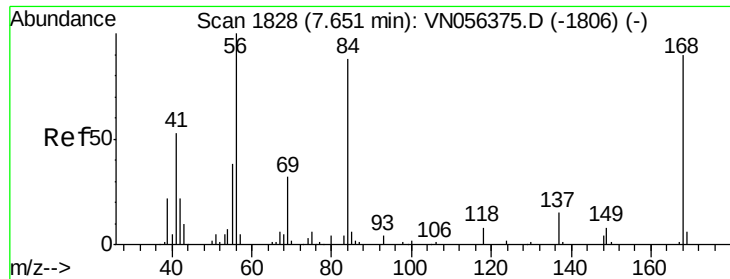
Tot Ion: 42 Resp: 390457
Ion Ratio Lower Upper
42 100
72 42.3 34.7 52.1
71 40.1 33.0 49.6



#30
Chloroform
Concen: 50.758 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion: 83 Resp: 292336
Ion Ratio Lower Upper
83 100
85 65.1 52.3 78.5

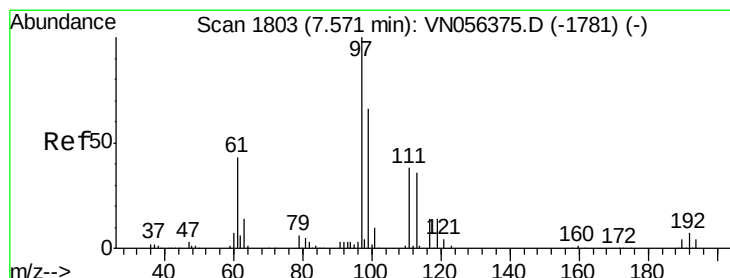
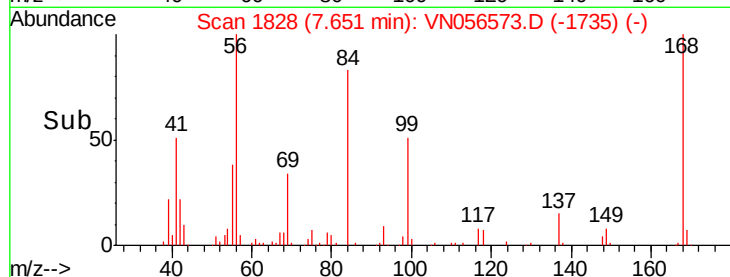
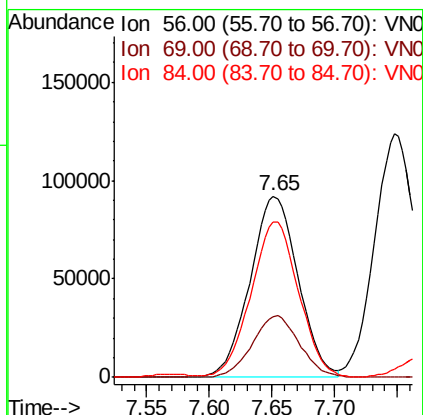
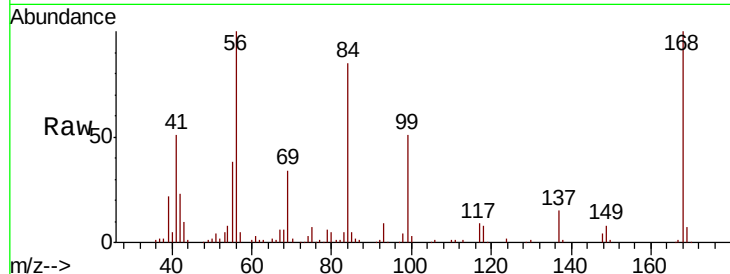




#31
Cyclohexane
Concen: 43.526 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

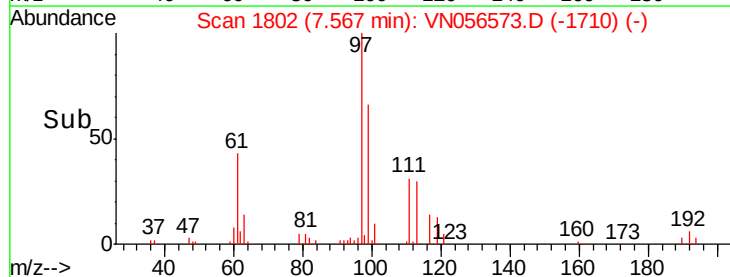
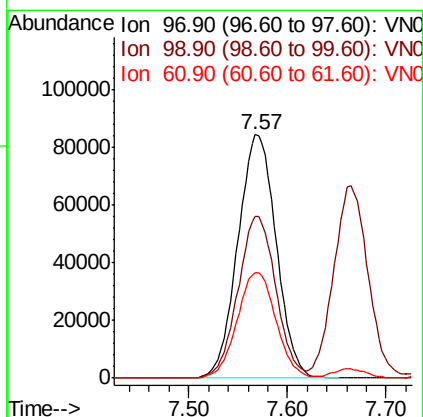
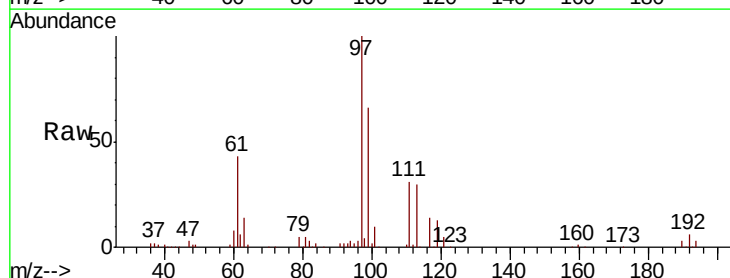
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

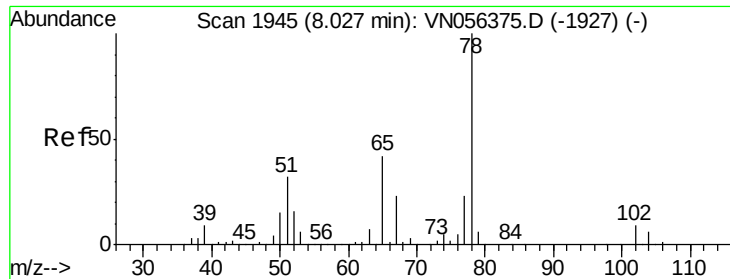
Tot Ion: 56 Resp: 245263
Ion Ratio Lower Upper
56 100
69 33.7 25.8 38.6
84 84.6 69.4 104.0



#32
1,1,1-Trichloroethane
Concen: 49.755 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion: 97 Resp: 227143
Ion Ratio Lower Upper
97 100
99 65.6 51.8 77.6
61 43.8 33.9 50.9

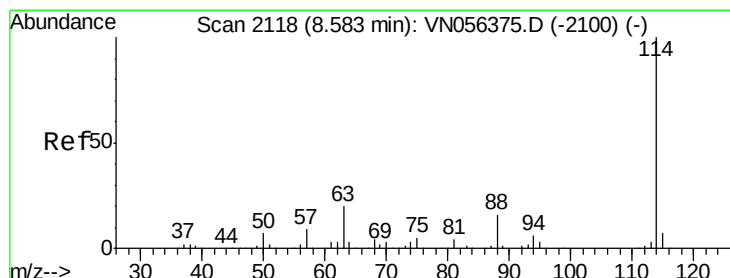
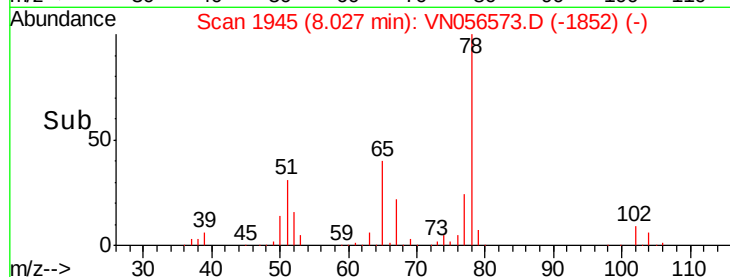
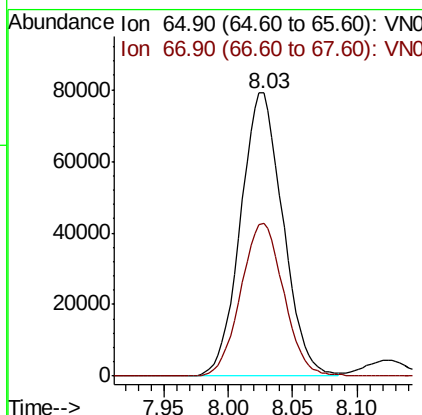
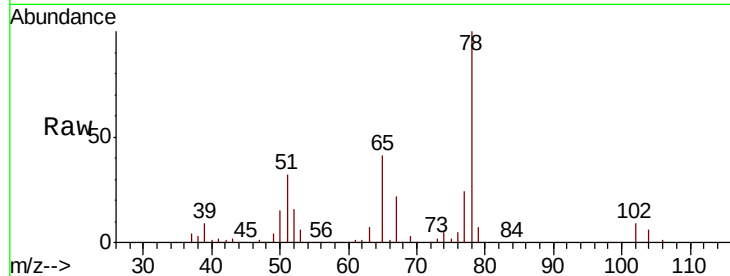




#33
 1,2-Dichloroethane-d4
 Concen: 49.664 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

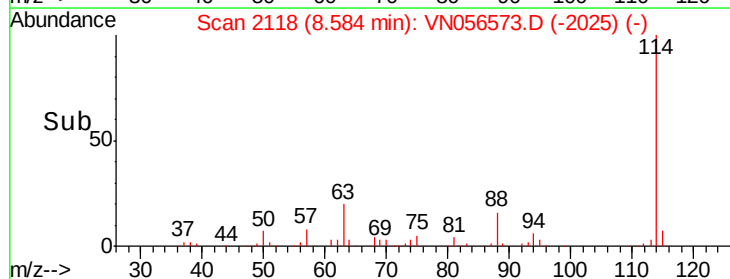
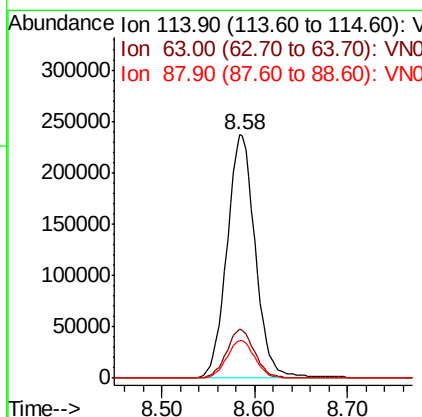
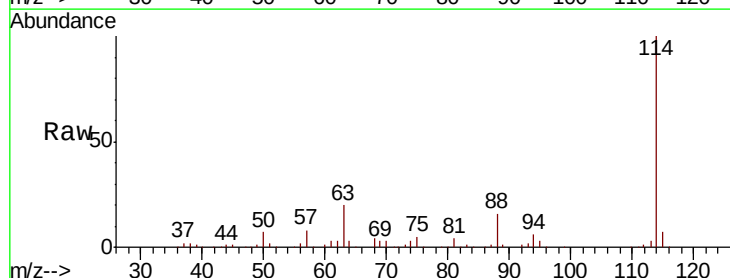
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

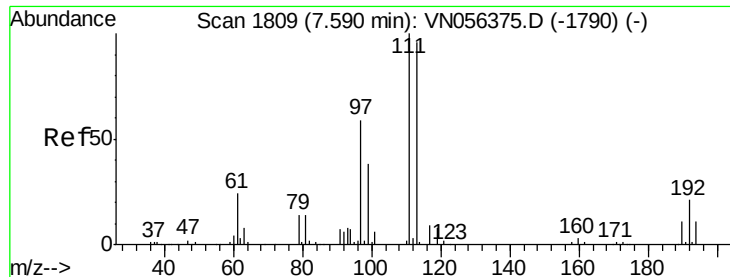
Tot Ion: 65 Resp: 181227
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion: 114 Resp: 502385
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.2
 88 15.5 0.0 31.4

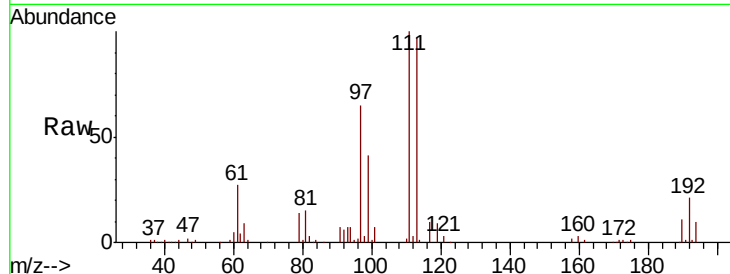




#35
 Dibromofluoromethane
 Concen: 50.356 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.8	82.9	124.3
192	22.1	17.7	26.5

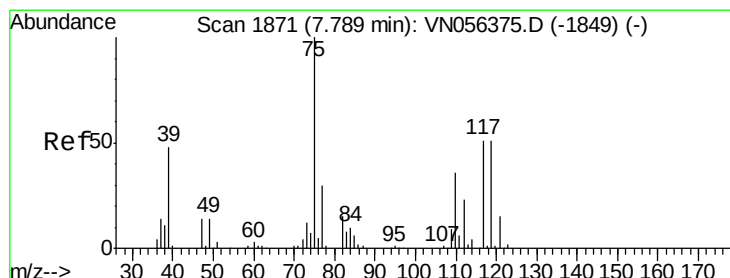
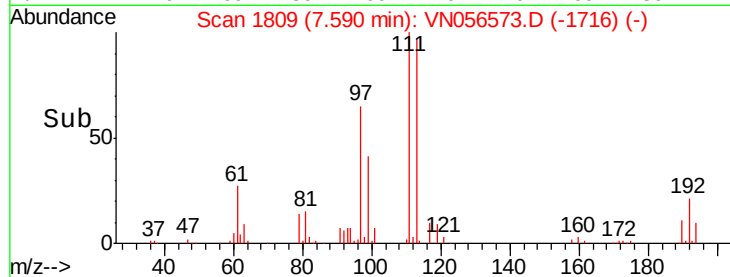
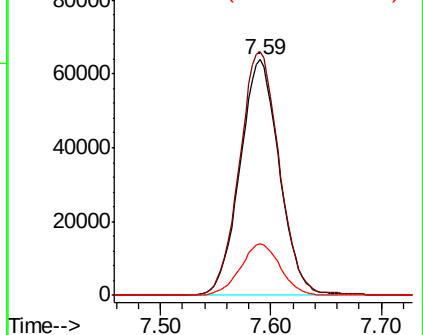


Abundance

Ion 112.80 (112.50 to 113.50): V

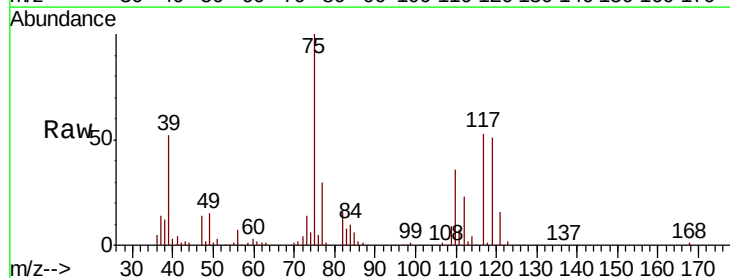
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 45.958 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	18.1	54.3
77	31.2	24.6	36.8

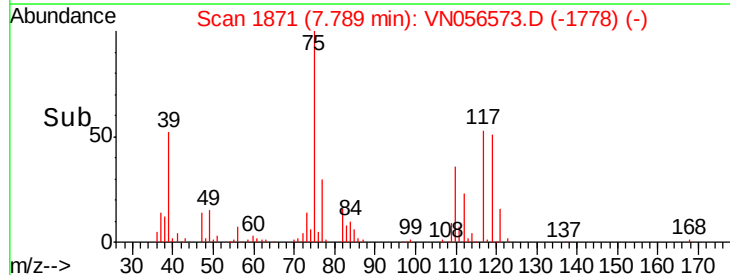
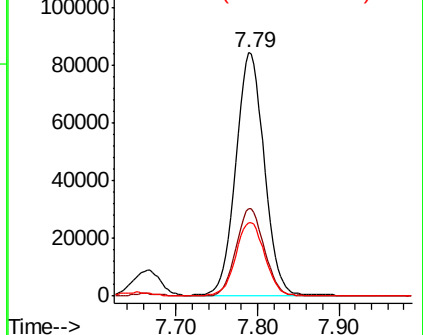


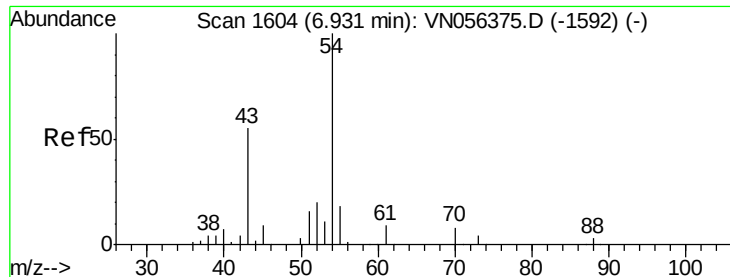
Abundance

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

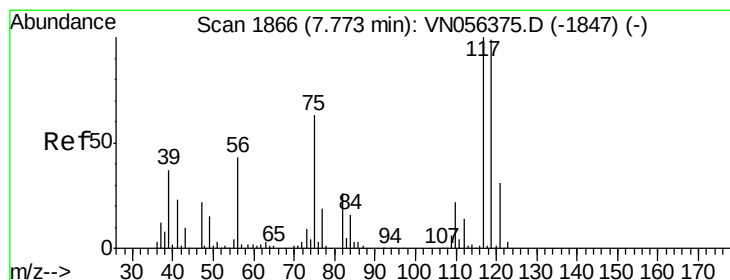
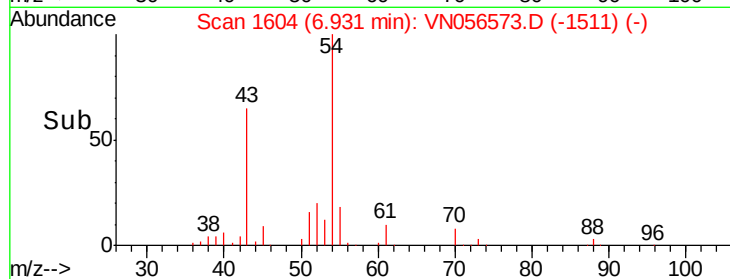
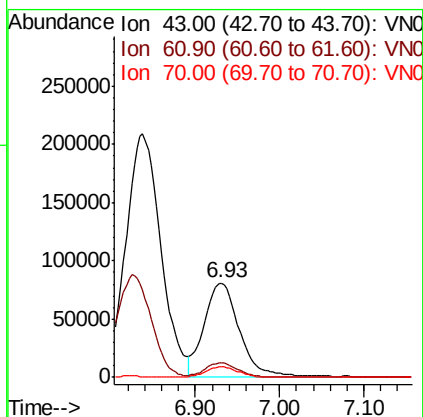
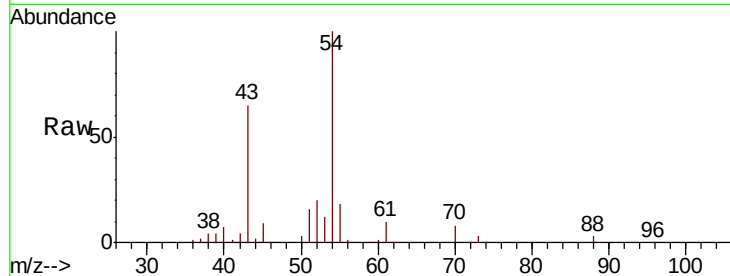




#37
Ethyl Acetate
Concen: 53.268 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

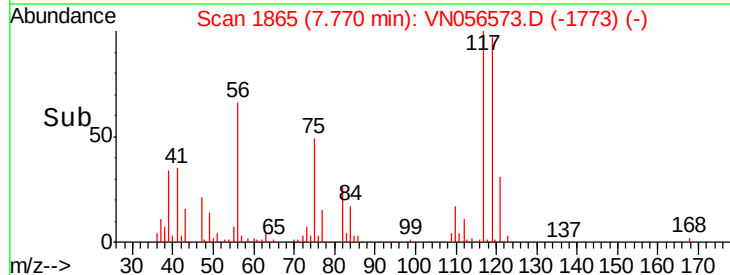
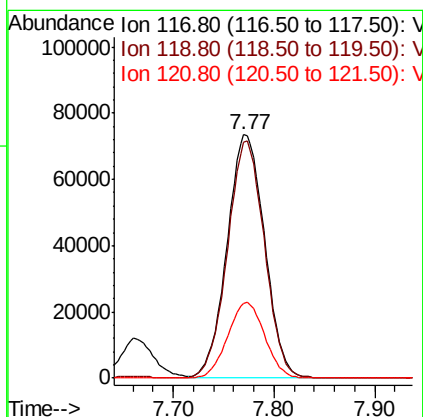
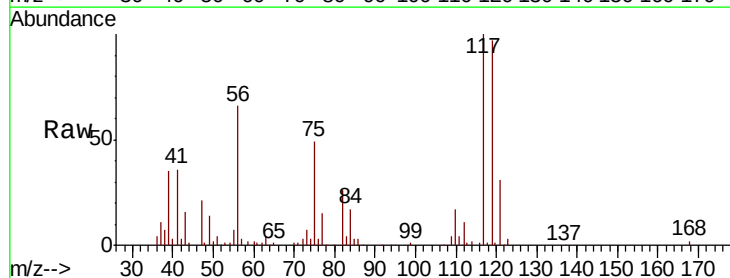
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

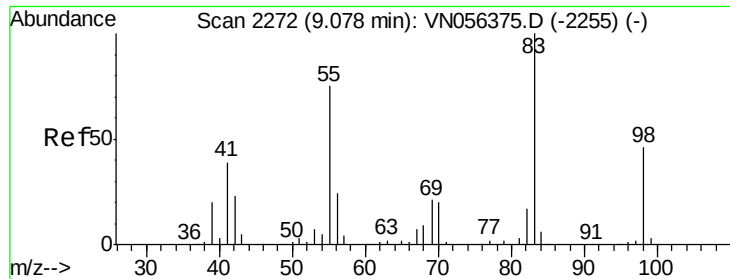
Tot Ion: 43 Resp: 231478
Ion Ratio Lower Upper
43 100
61 14.8 11.1 16.7
70 10.8 8.3 12.5



#38
Carbon Tetrachloride
Concen: 49.296 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion: 117 Resp: 190619
Ion Ratio Lower Upper
117 100
119 97.1 79.1 118.7
121 30.9 24.8 37.2

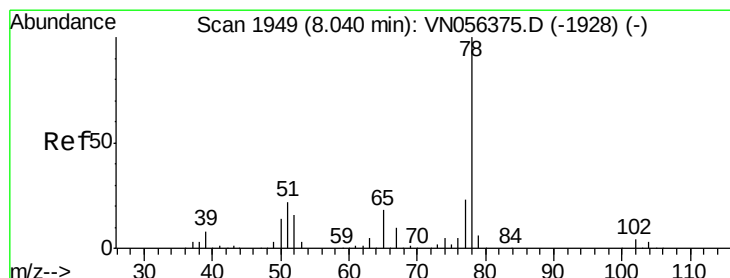
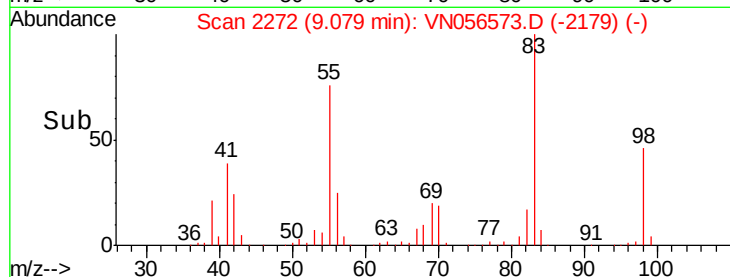
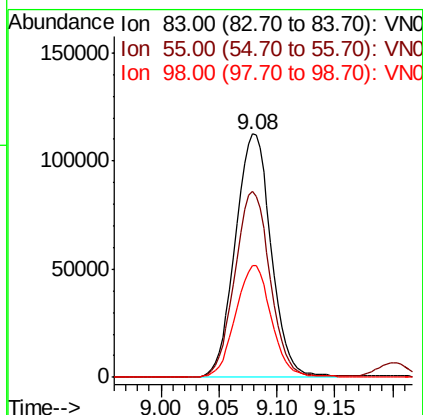
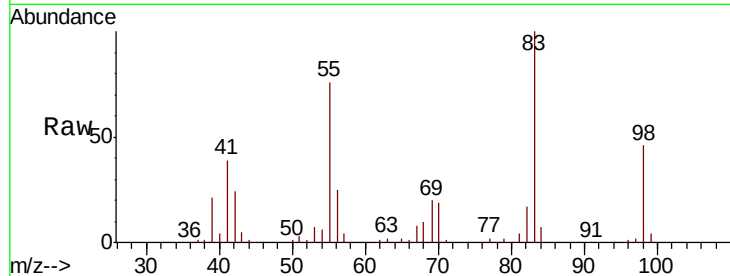




#39
Methylvlcyclohexane
Concen: 44.552 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

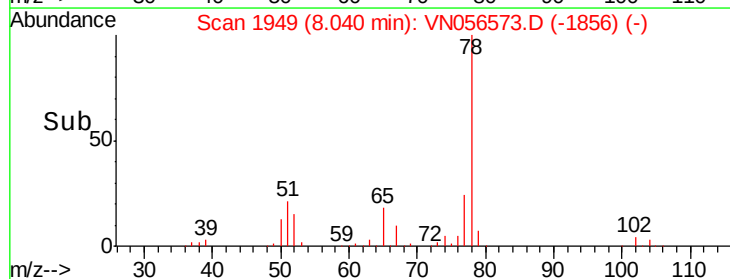
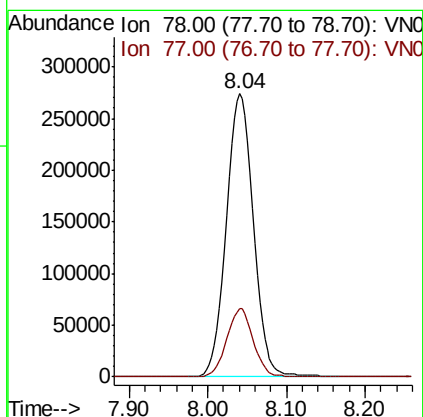
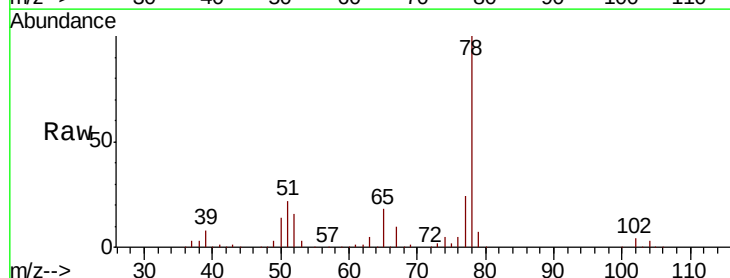
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

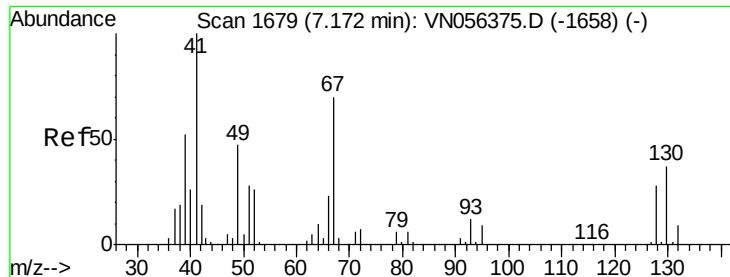
Tot Ion: 83 Resp: 243087
Ion Ratio Lower Upper
83 100
55 76.2 60.0 90.0
98 45.7 36.6 54.8



#40
Benzene
Concen: 48.021 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion: 78 Resp: 653172
Ion Ratio Lower Upper
78 100
77 24.0 18.3 27.5

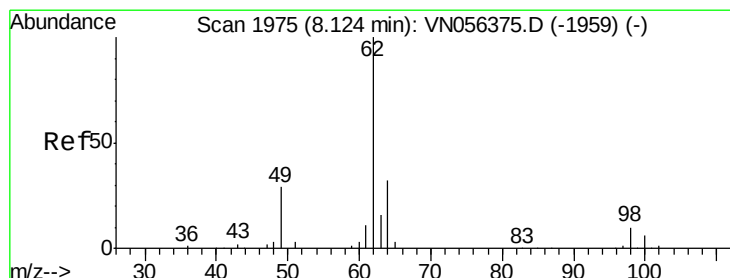
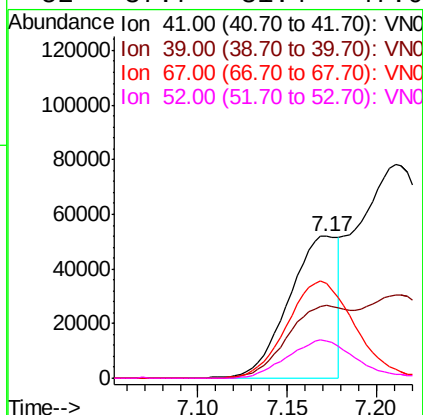
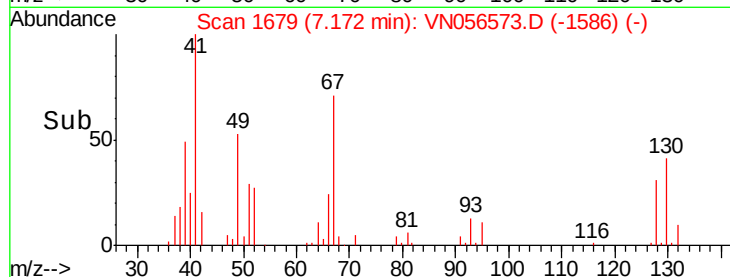
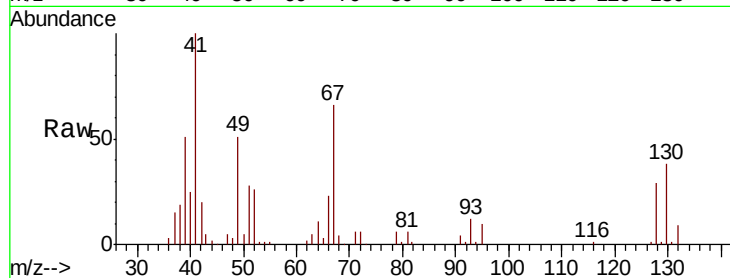




#41
Methacrylonitrile
Concen: 51.850 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

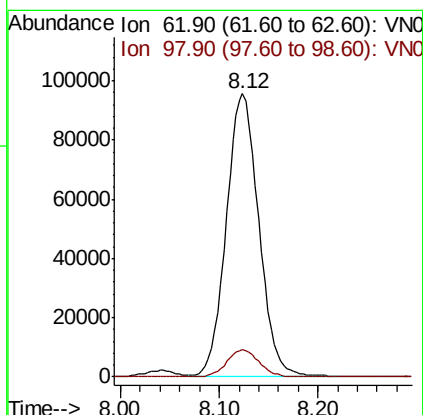
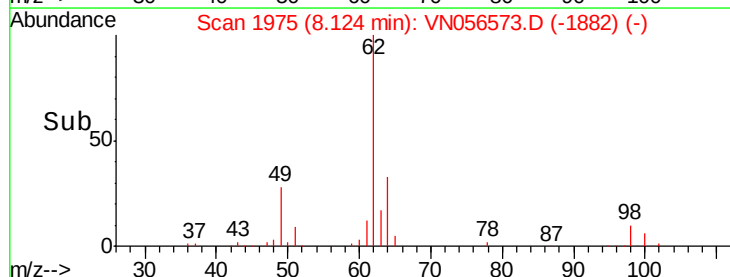
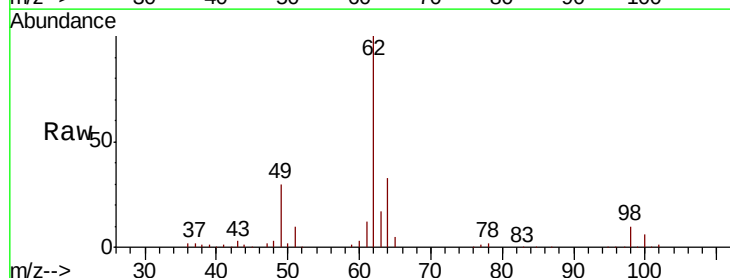
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

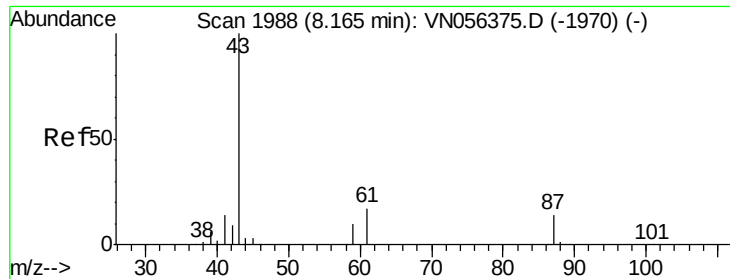
Tot Ion: 41 Resp: 99495
Ion Ratio Lower Upper
41 100
39 62.1 55.3 82.9
67 95.2 79.2 118.8
52 37.7 31.4 47.0



#42
1,2-Dichloroethane
Concen: 48.774 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion: 62 Resp: 218938
Ion Ratio Lower Upper
62 100
98 9.5 0.0 19.4





#43

Isopropyl Acetate

Concen: 53.186 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

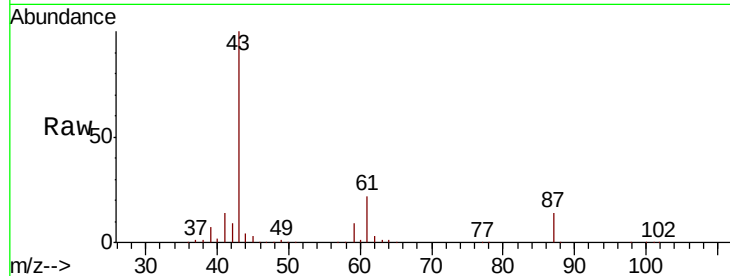
Tot Ion: 43 Resp: 356384

Ion Ratio Lower Upper

43 100

61 21.5 22.0 33.0#

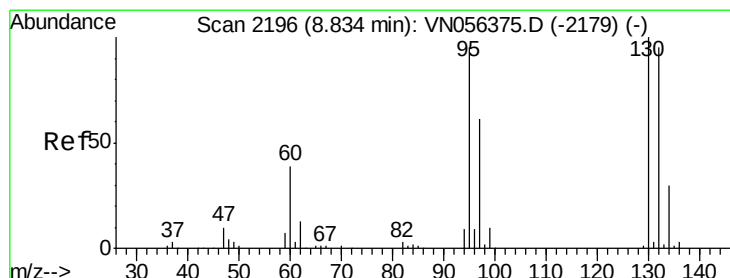
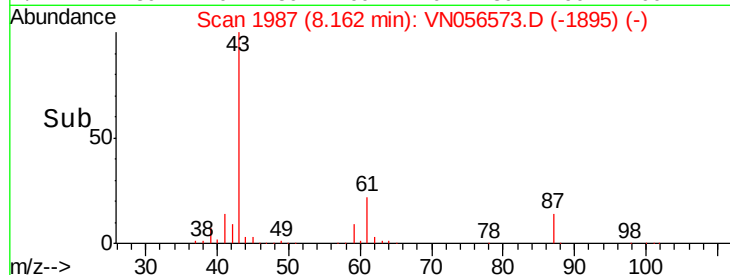
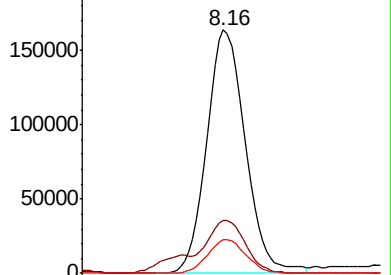
87 13.9 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056375.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056375.D (-1970) (-)



#44

Trichloroethene

Concen: 47.751 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056573.D

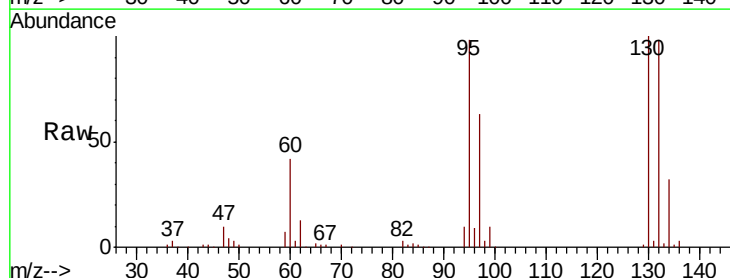
Acq: 1 Jul 2019 15:35

Tgt Ion:130 Resp: 174957

Ion Ratio Lower Upper

130 100

95 98.3 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): VN056375.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN056375.D (-2179) (-)

Ion 129.80 (129.50 to 130.50): VN056375.D (-2179) (-)

Ion 130.00 (129.70 to 130.30): VN056375.D (-2179) (-)

Ion 130.20 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 130.40 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 130.60 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 130.80 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 131.00 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 131.20 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 131.40 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 131.60 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 131.80 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 132.00 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 132.20 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 132.40 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 132.60 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 132.80 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 133.00 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 133.20 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 133.40 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 133.60 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 133.80 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 134.00 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 134.20 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 134.40 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 134.60 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 134.80 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 135.00 (129.90 to 130.50): VN056375.D (-2179) (-)

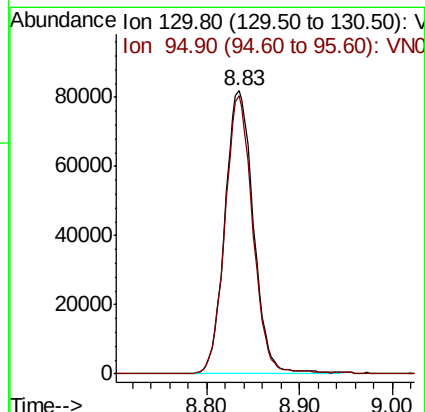
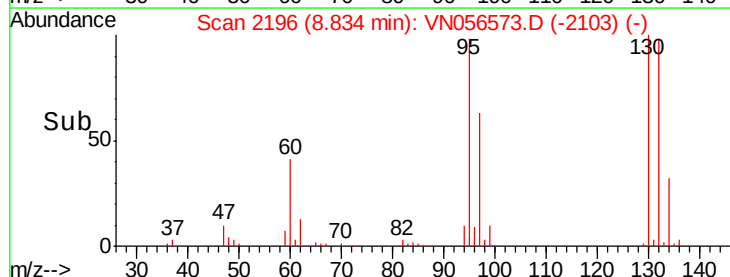
Ion 135.20 (129.90 to 130.50): VN056375.D (-2179) (-)

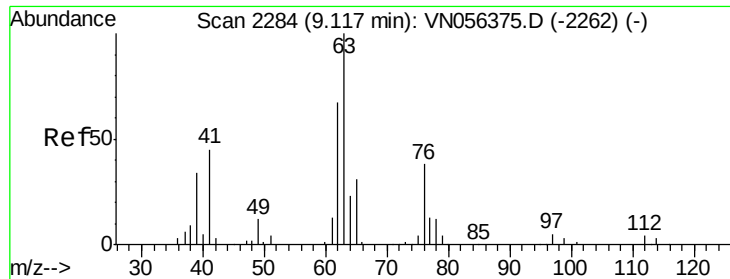
Ion 135.40 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 135.60 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 135.80 (129.90 to 130.50): VN056375.D (-2179) (-)

Ion 136.00 (129.90 to 130.50): VN056375.D (-2179) (-)

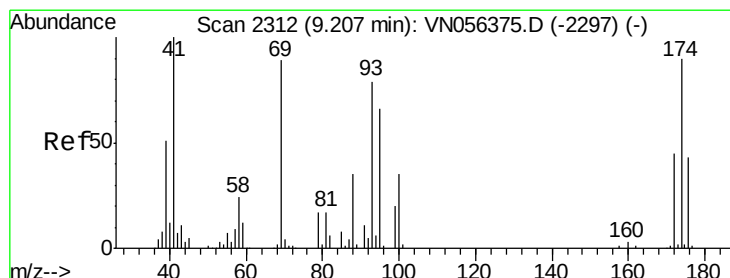
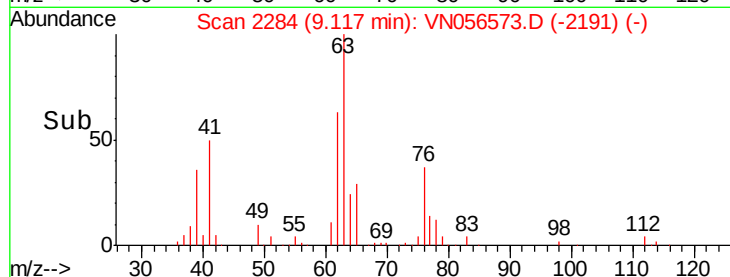
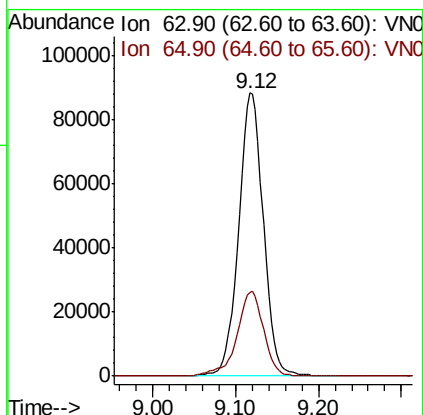
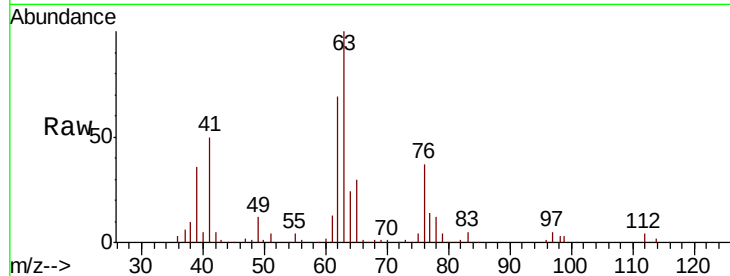




#45
 1,2-Dichloropropane
 Concen: 50.523 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

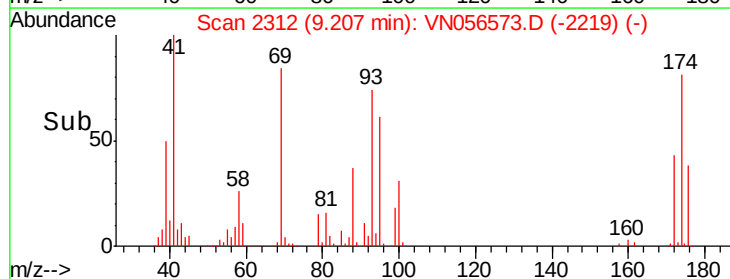
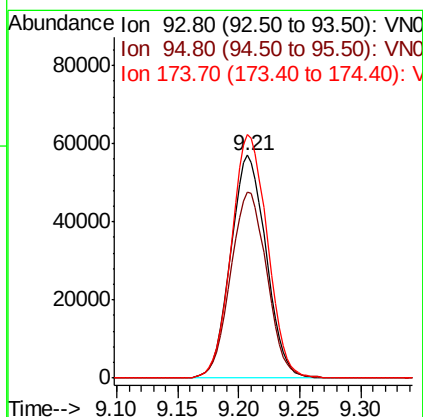
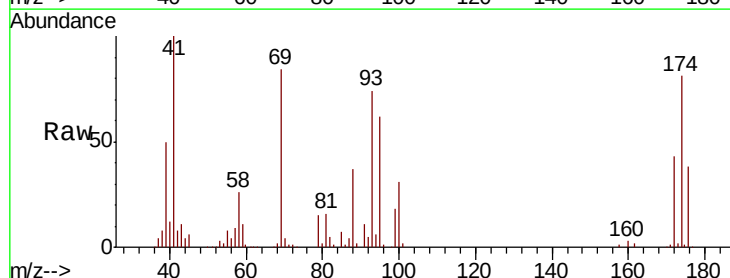
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

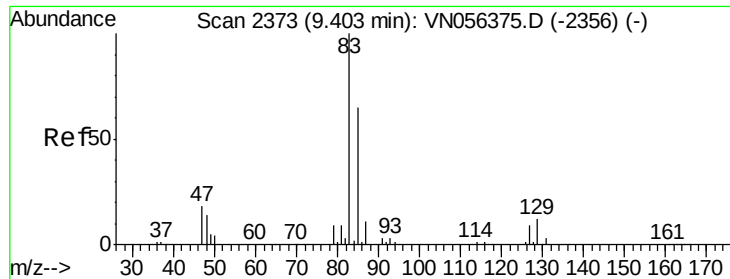
Tot Ion: 63 Resp: 183782
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.6



#46
 Dibromomethane
 Concen: 50.713 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion: 93 Resp: 115413
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.2 99.2
 174 110.6 90.8 136.2





#47

Bromodichloromethane

Concen: 52.876 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

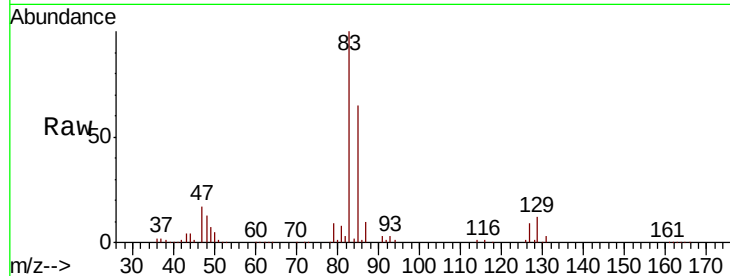
Tot Ion: 83 Resp: 213425

Ion Ratio Lower Upper

83 100

85 64.8 52.2 78.4

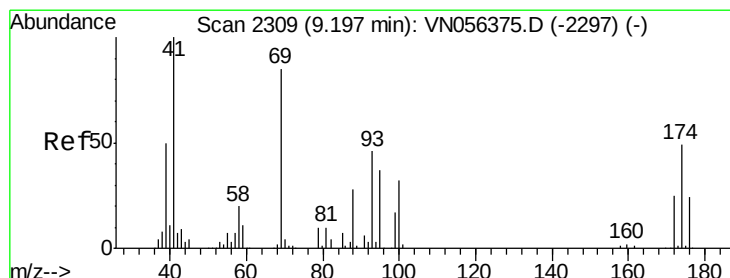
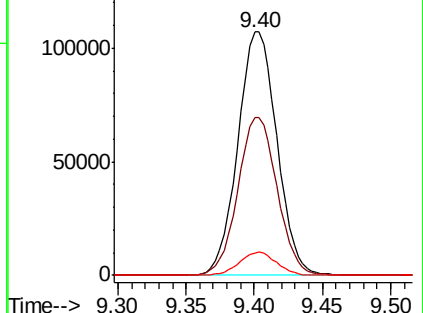
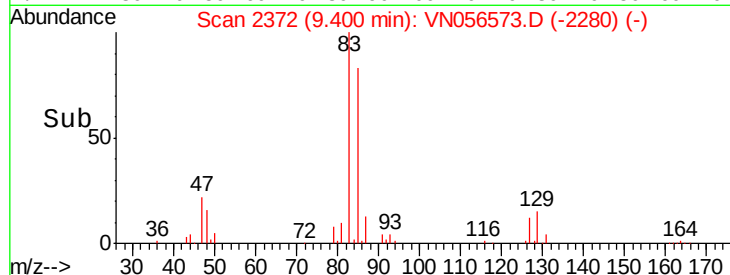
127 9.3 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VN056573.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN056573.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN056573.D (-2356) (-)



#48

Methyl methacrylate

Concen: 51.144 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

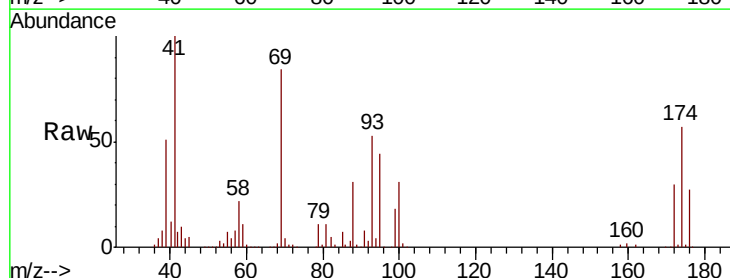
Tgt Ion: 41 Resp: 171736

Ion Ratio Lower Upper

41 100

69 88.0 72.6 109.0

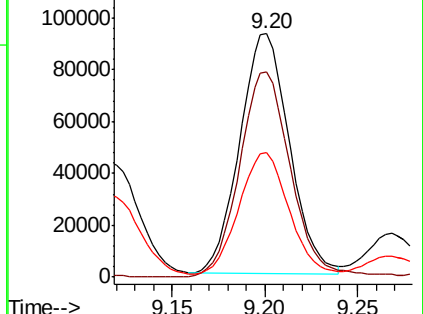
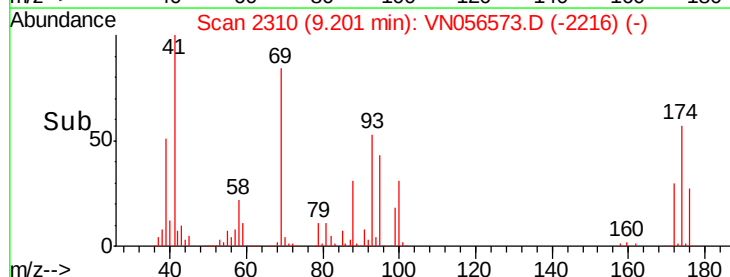
39 52.8 42.6 63.8

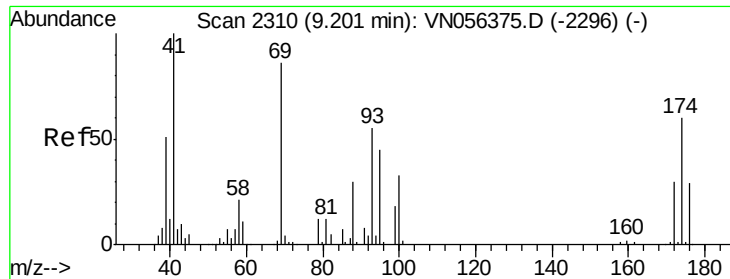


Abundance Ion 41.00 (40.70 to 41.70): VN056573.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056573.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056573.D (-2216) (-)





#49

1,4-Dioxane

Concen: 1028.450 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

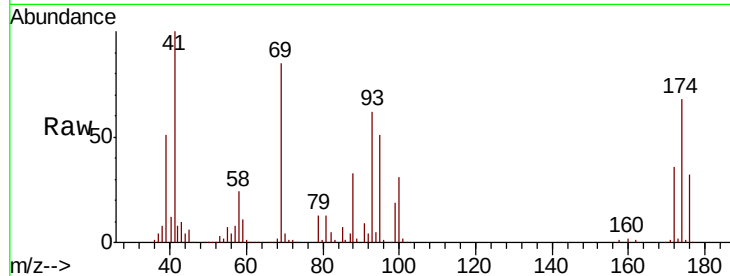
Tot Ion: 88 Resp: 71666

Ion Ratio Lower Upper

88 100

43 26.7 22.0 33.0

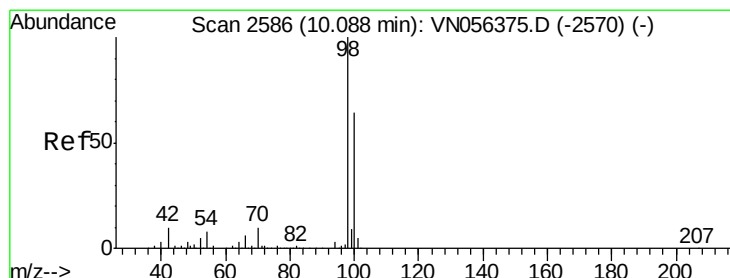
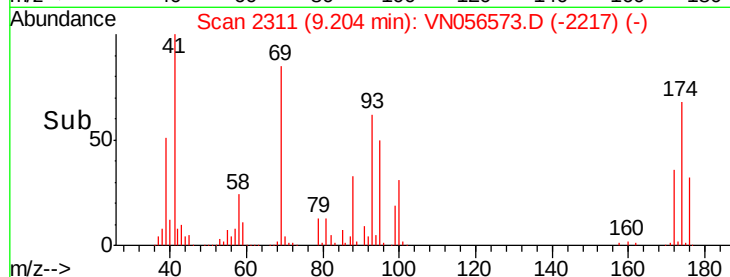
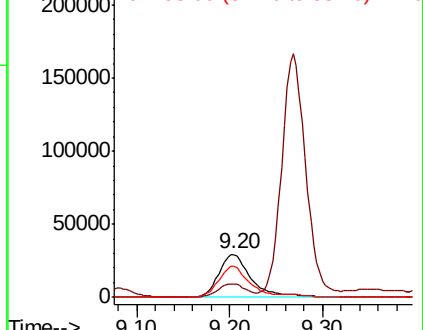
58 69.0 51.8 77.8



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: 48.604 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056573.D

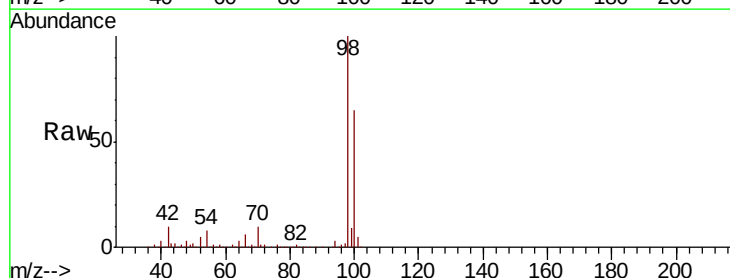
Acq: 1 Jul 2019 15:35

Tgt Ion: 98 Resp: 592718

Ion Ratio Lower Upper

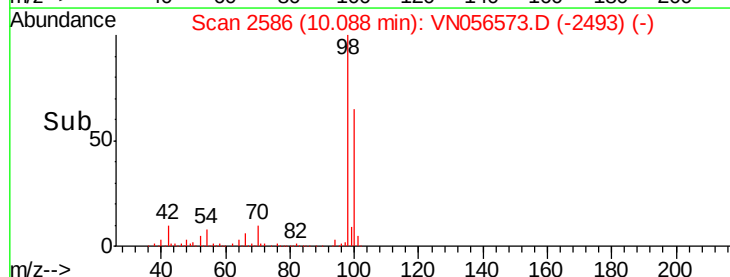
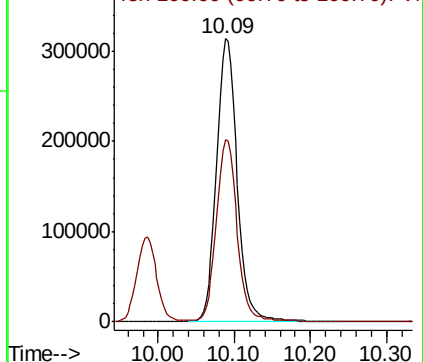
98 100

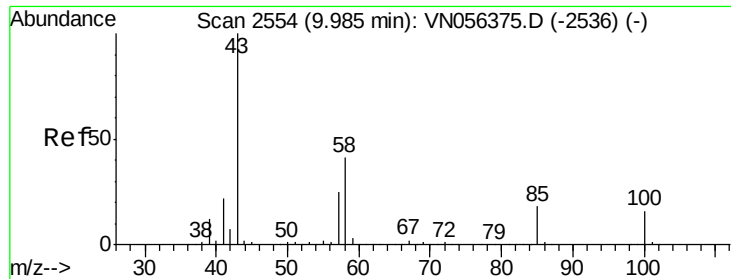
100 63.2 52.2 78.2



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: 264.565 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

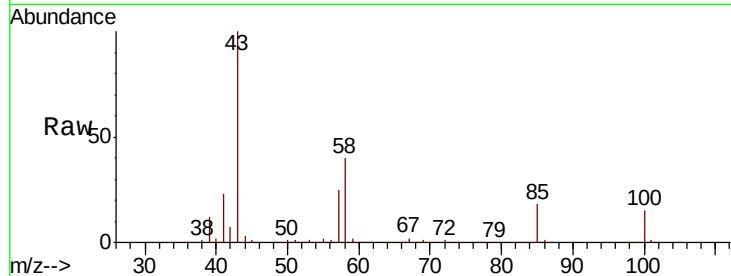
VSTDCCC050EC

Tot Ion: 43 Resp: 1144222

Ion Ratio Lower Upper

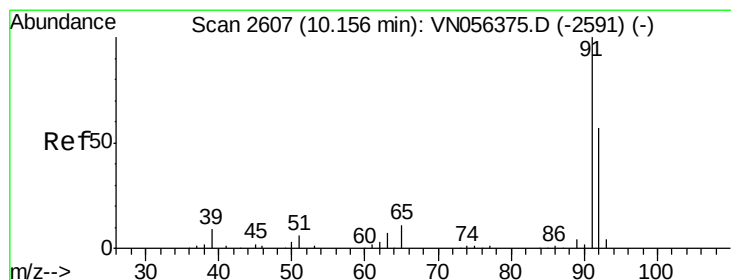
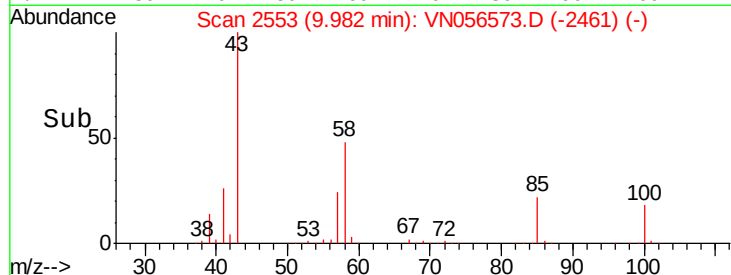
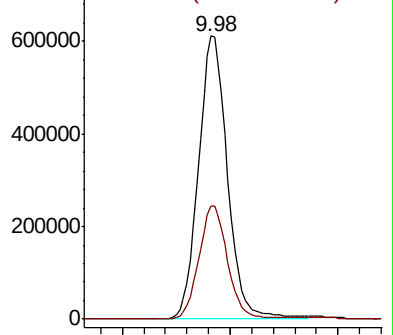
43 100

58 39.8 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.410 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056573.D

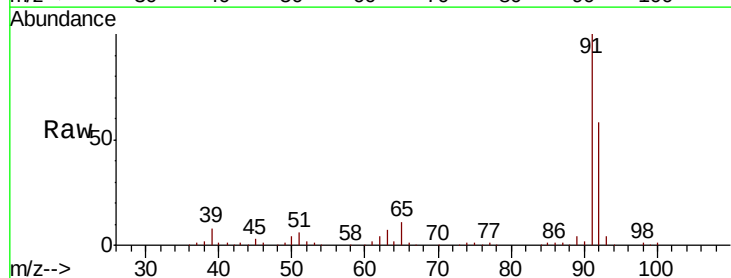
Acq: 1 Jul 2019 15:35

Tgt Ion: 92 Resp: 402570

Ion Ratio Lower Upper

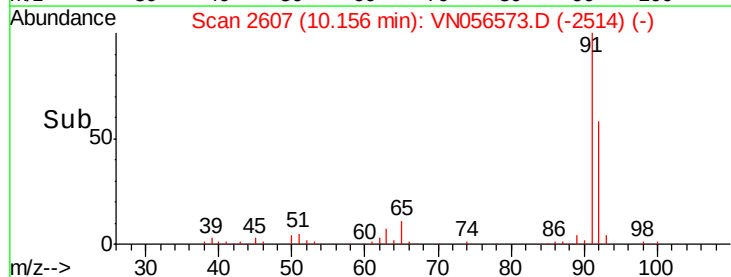
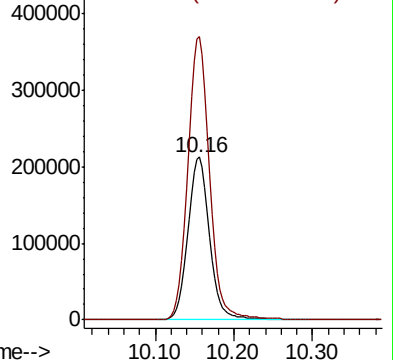
92 100

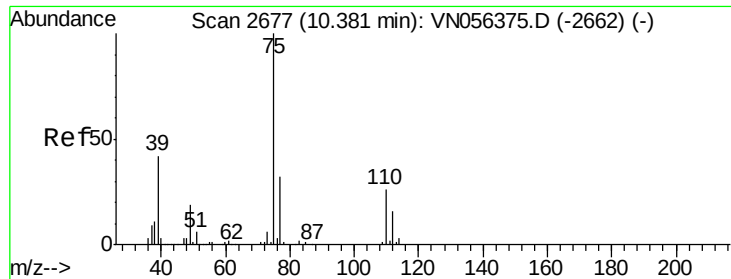
91 174.8 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 48.007 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

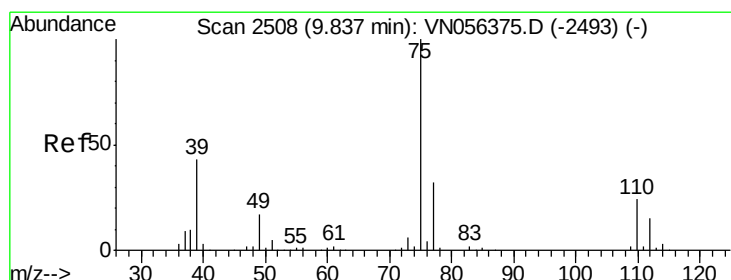
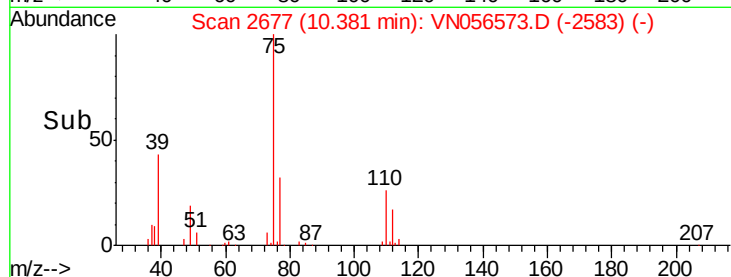
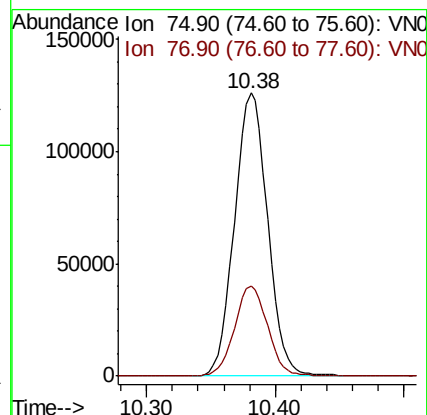
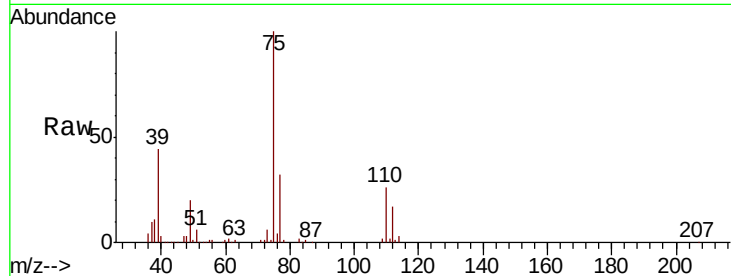
VSTDCCC050EC

Tot Ion: 75 Resp: 225114

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 53.264 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

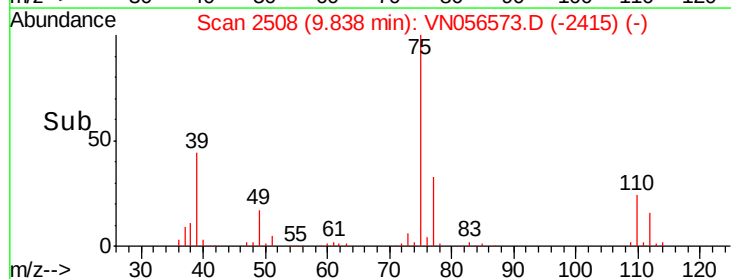
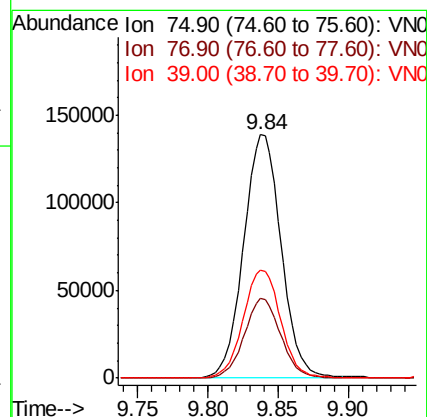
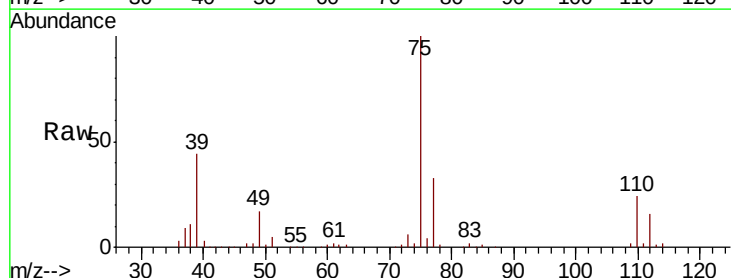
Tgt Ion: 75 Resp: 258898

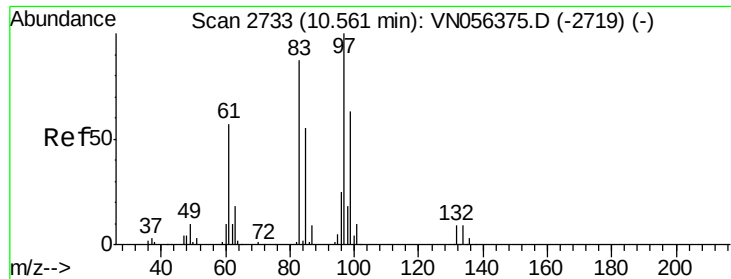
Ion Ratio Lower Upper

75 100

77 32.7 25.2 37.8

39 44.4 34.2 51.4



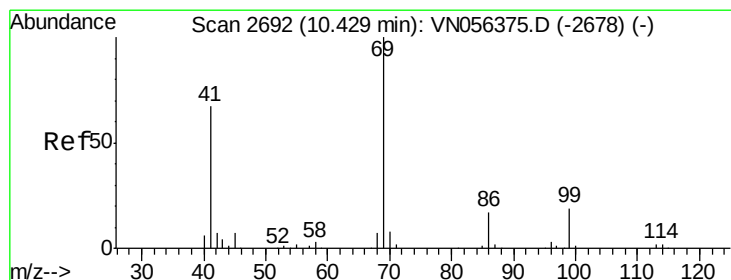
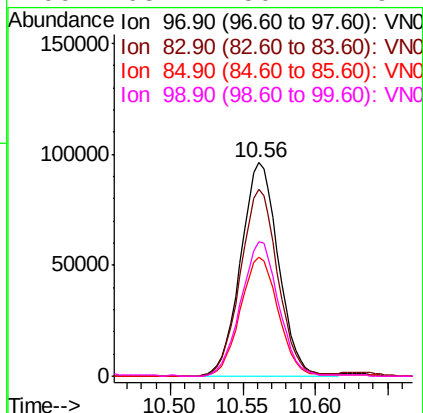
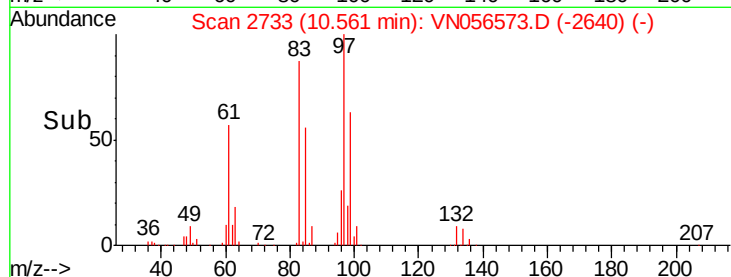
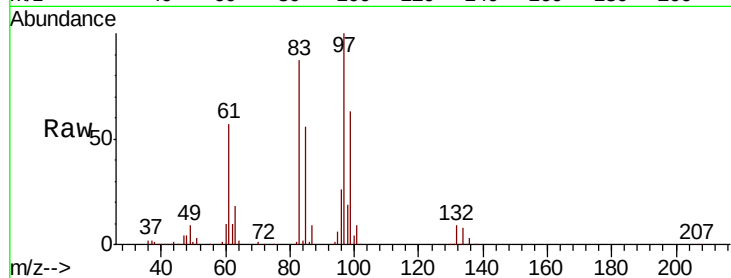


#55
 1,1,2-Trichloroethane
 Concen: 52.178 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 174411

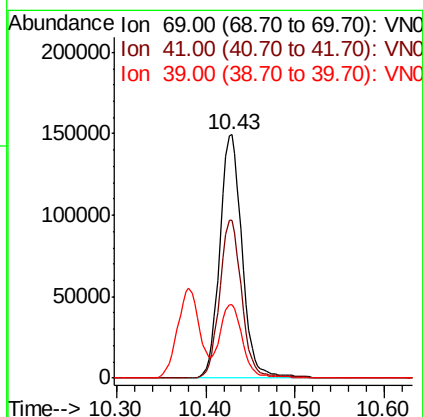
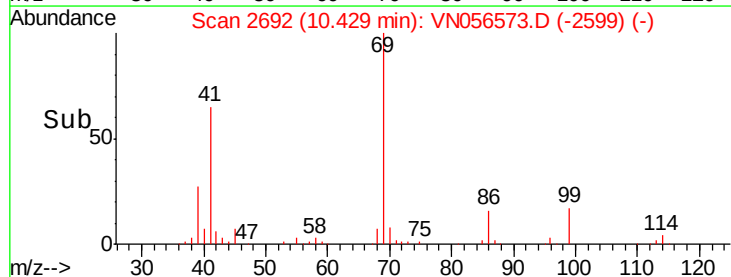
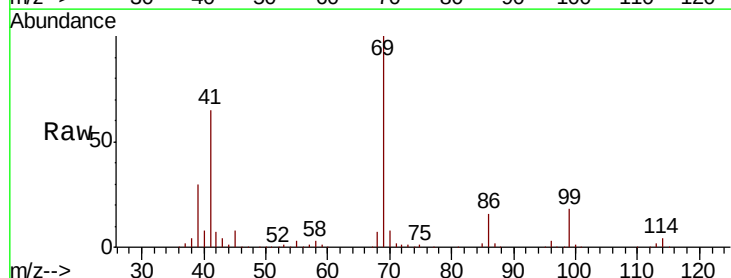
Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.8	104.6
85	55.6	43.8	65.8
99	63.2	50.2	75.2

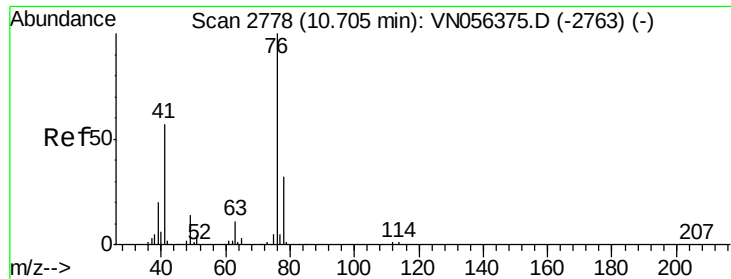


#56
 Ethyl methacrylate
 Concen: 53.034 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion: 69 Resp: 259067

Ion	Ratio	Lower	Upper
69	100		
41	63.8	51.4	77.2
39	30.4	24.7	37.1

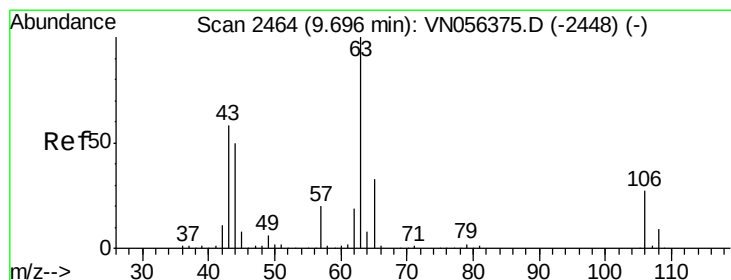
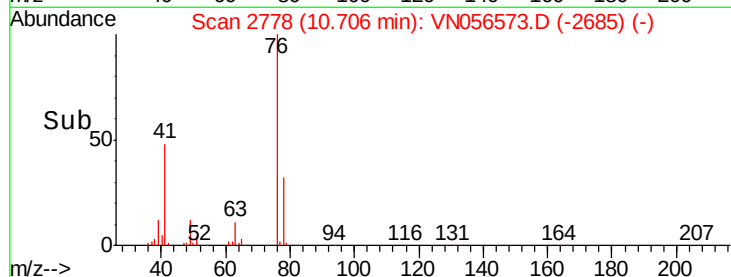
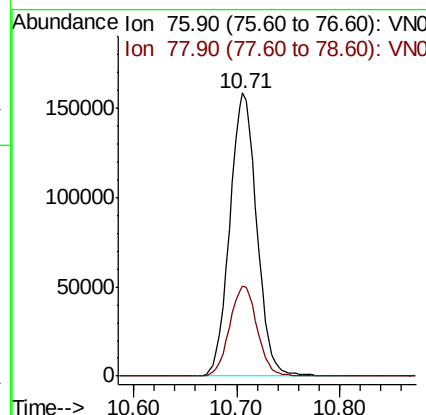
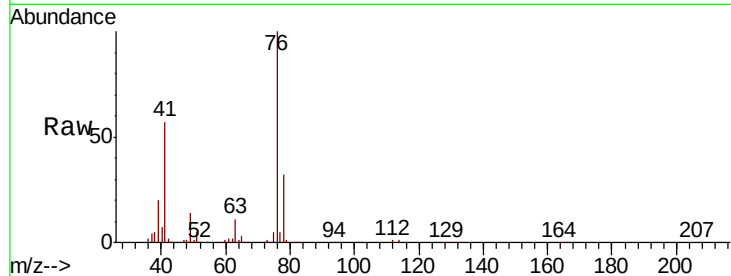




#57
 1,3-Dichloropropane
 Concen: 51.450 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

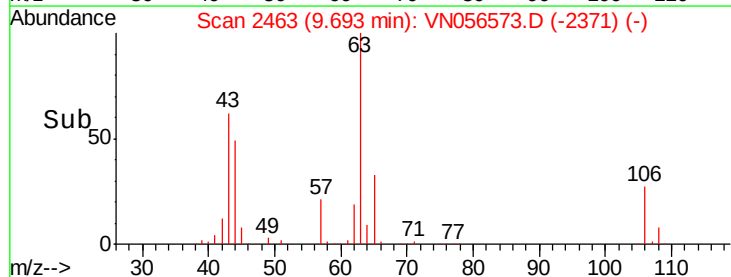
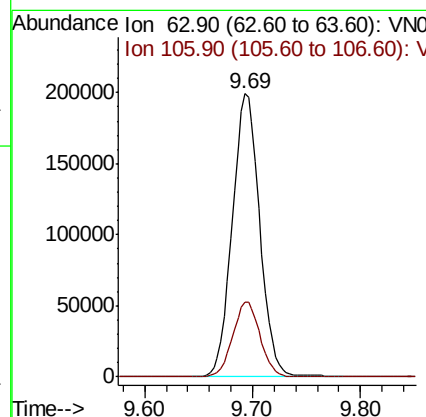
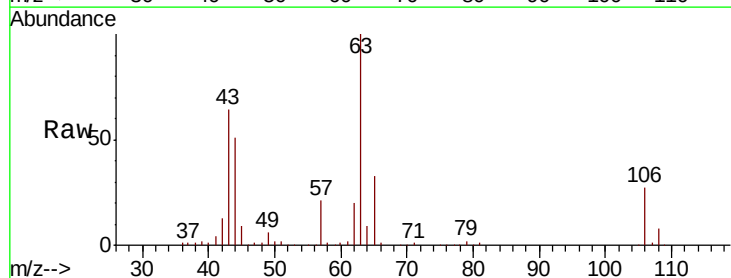
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

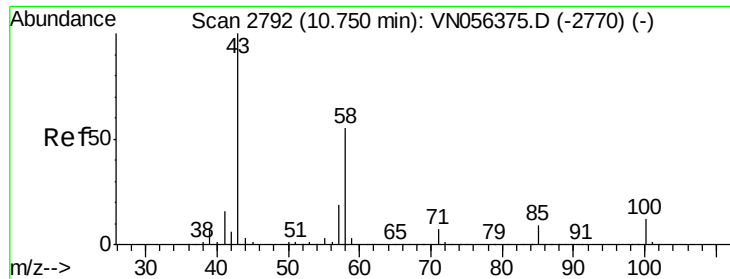
Tot Ion: 76 Resp: 288910
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 201.661 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion: 63 Resp: 353900
 Ion Ratio Lower Upper
 63 100
 106 26.4 21.6 32.4

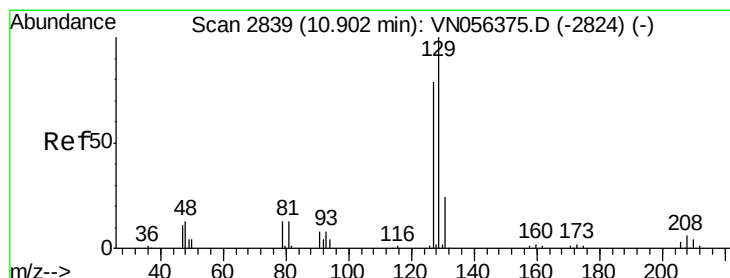
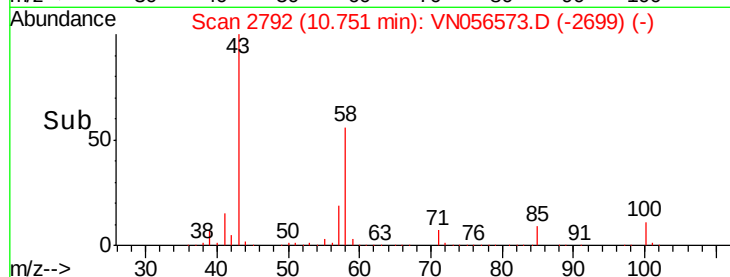
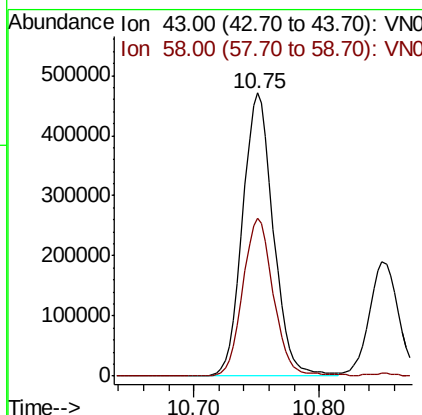
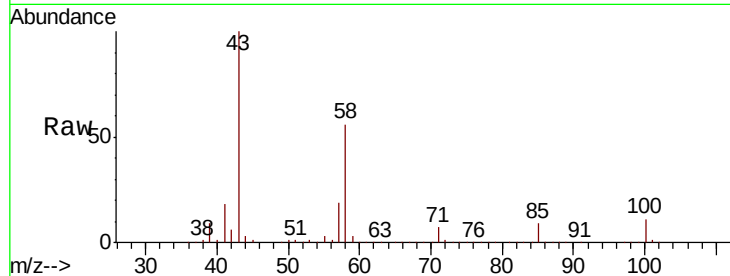




#59
2-Hexanone
Concen: 252.179 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

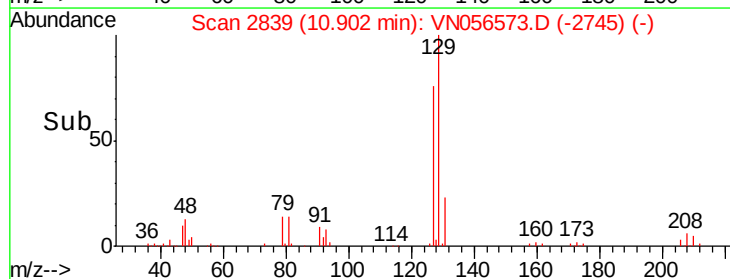
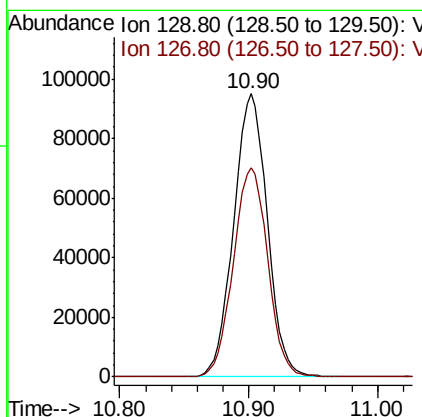
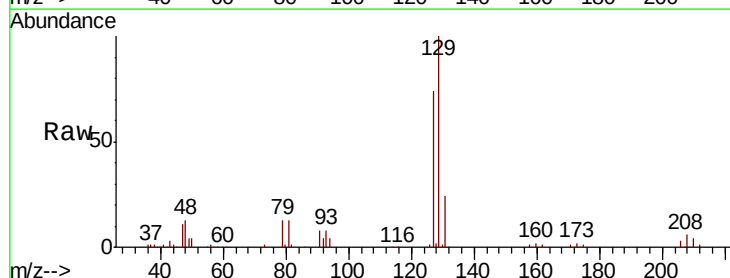
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

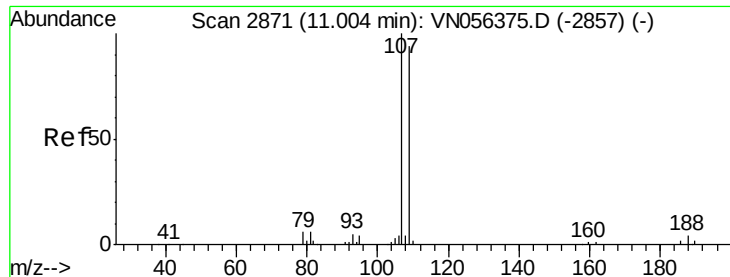
Tot Ion: 43 Resp: 801592
Ion Ratio Lower Upper
43 100
58 56.0 27.8 83.4



#60
Dibromochloromethane
Concen: 50.202 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion: 129 Resp: 172516
Ion Ratio Lower Upper
129 100
127 75.7 38.9 116.7





#61

1,2-Dibromoethane

Concen: 51.847 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

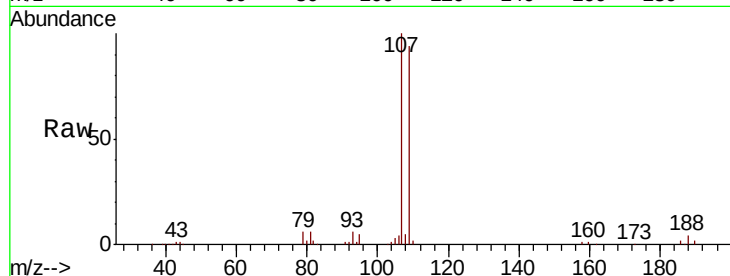
VSTDCCC050EC

Tot Ion:107 Resp: 177003

Ion Ratio Lower Upper

107 100

109 93.9 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

100000

80000

60000

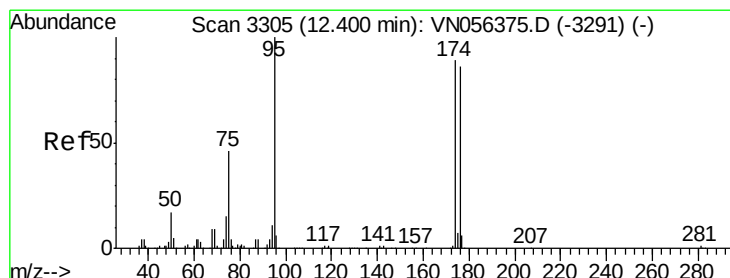
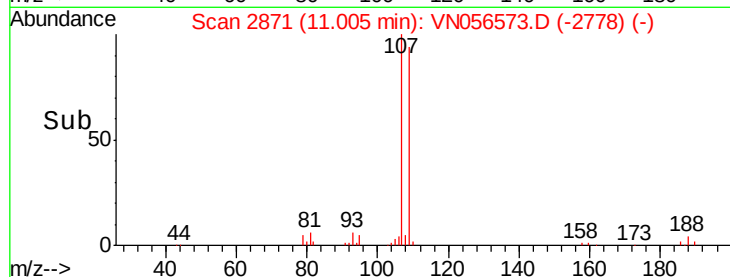
40000

20000

0

Time-->

10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 51.076 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

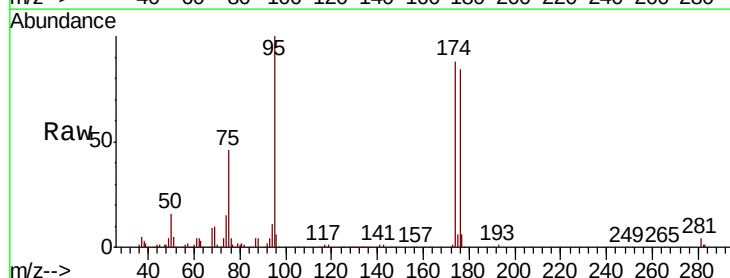
Tgt Ion: 95 Resp: 207635

Ion Ratio Lower Upper

95 100

174 89.1 0.0 179.4

176 85.6 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

150000

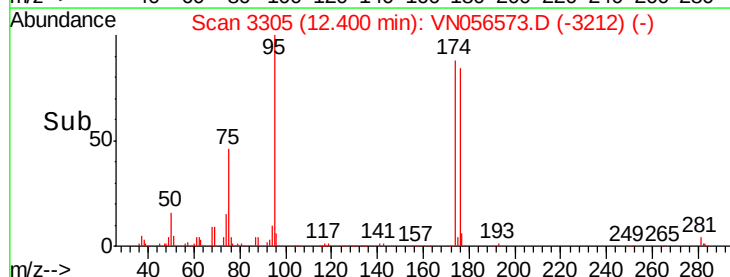
100000

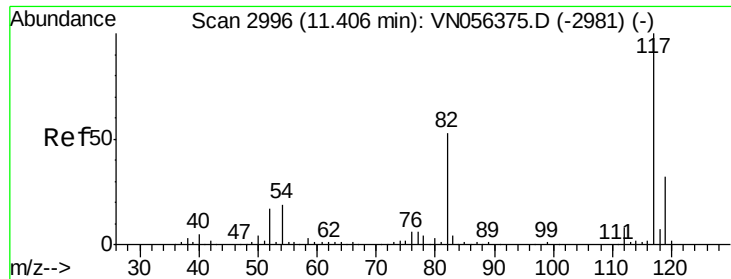
50000

0

Time-->

12.35 12.40 12.45





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

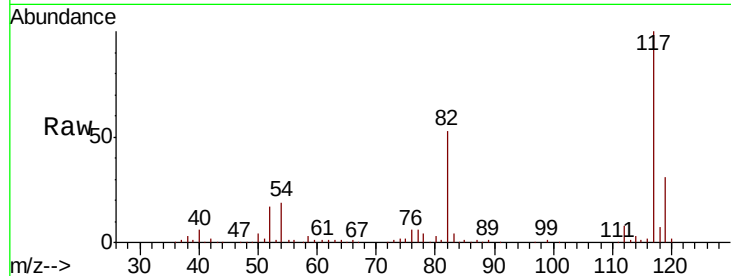
Tot Ion:117 Resp: 456180

Ion Ratio Lower Upper

117 100

82 52.7 42.0 63.0

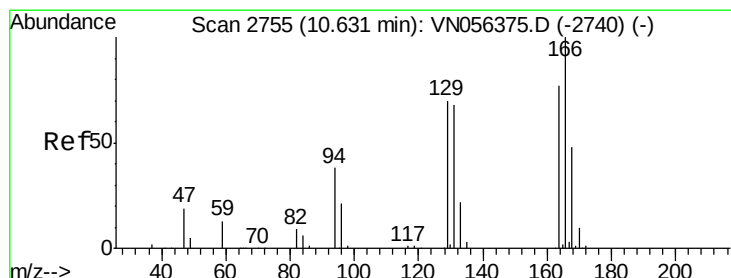
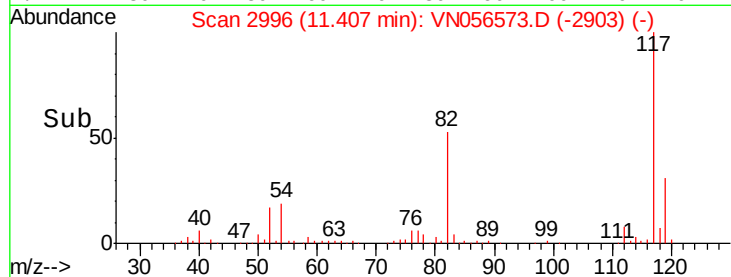
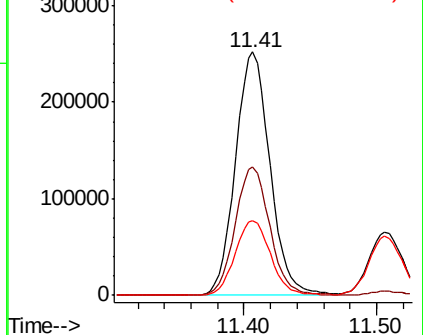
119 30.8 25.3 37.9



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: 46.613 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Tgt Ion:164 Resp: 168393

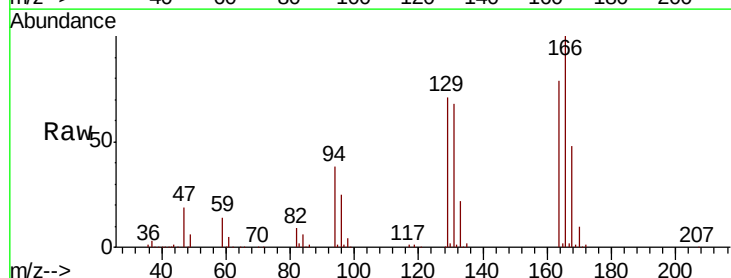
Ion Ratio Lower Upper

164 100

166 127.2 103.4 155.0

129 89.9 72.0 108.0

131 86.7 70.2 105.2

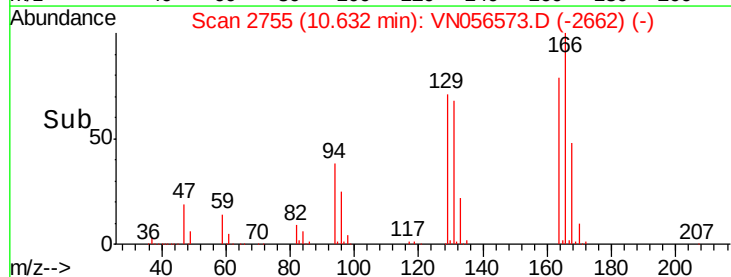
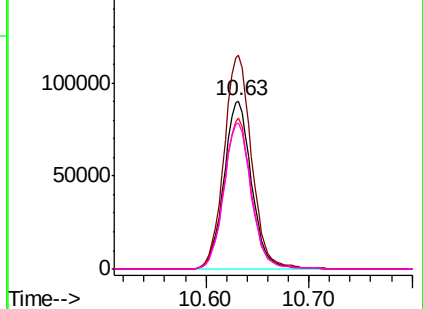


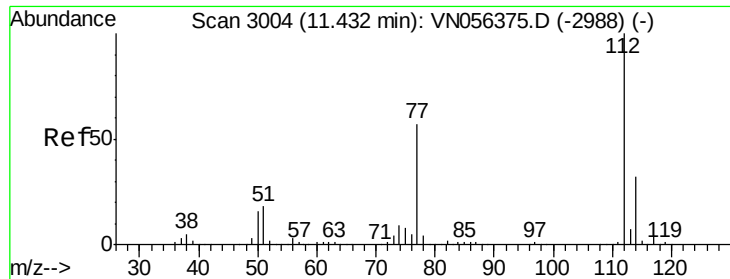
Abundance Ion 163.80 (163.50 to 164.50): V

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

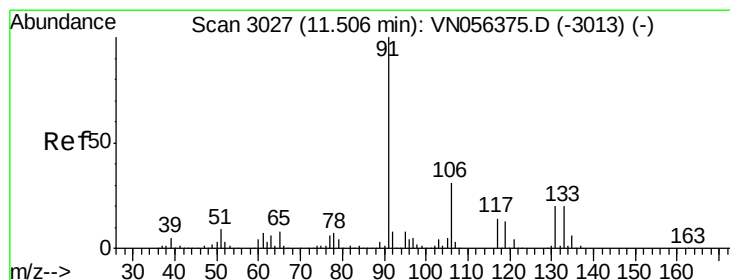
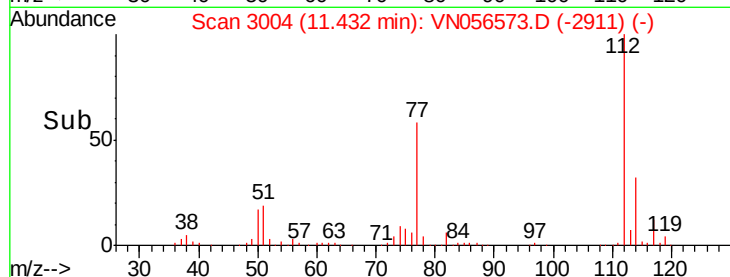
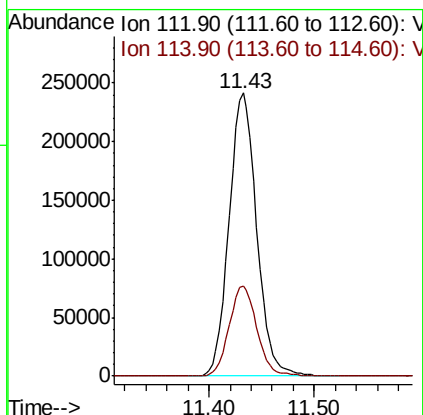
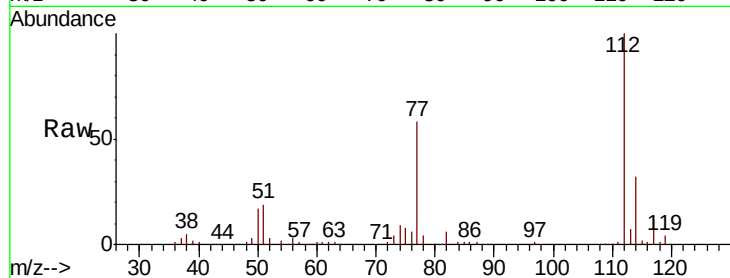




#65
Chlorobenzene
Concen: 47.634 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

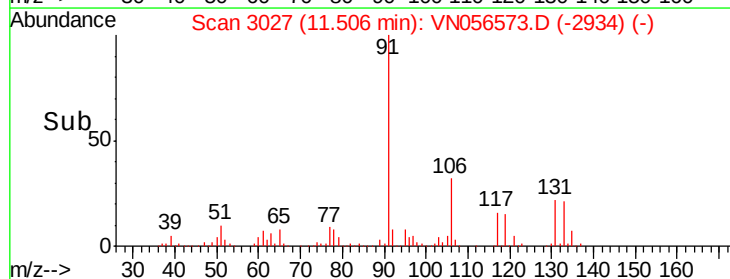
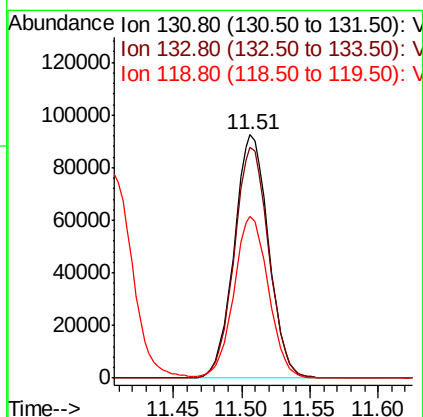
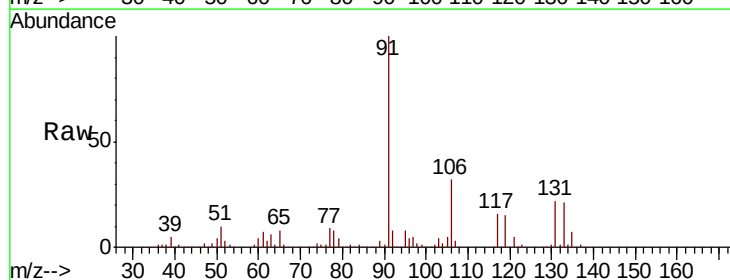
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

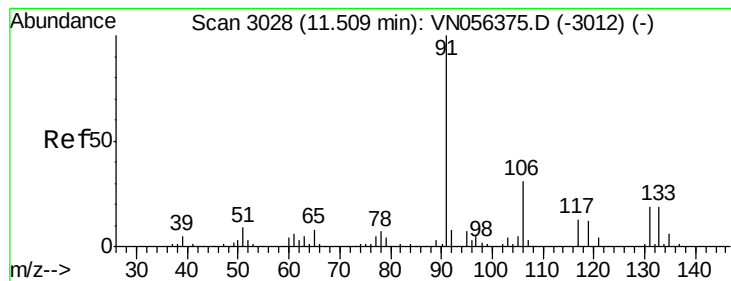
Tot Ion:112 Resp: 436633
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 52.420 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion:131 Resp: 162396
Ion Ratio Lower Upper
131 100
133 95.2 47.4 142.2
119 66.5 32.8 98.4





#67

Ethyl Benzene

Concen: 47.512 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

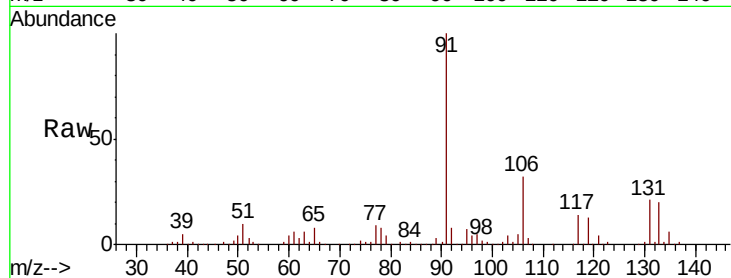
VSTDCCC050EC

Tot Ion: 91 Resp: 764686

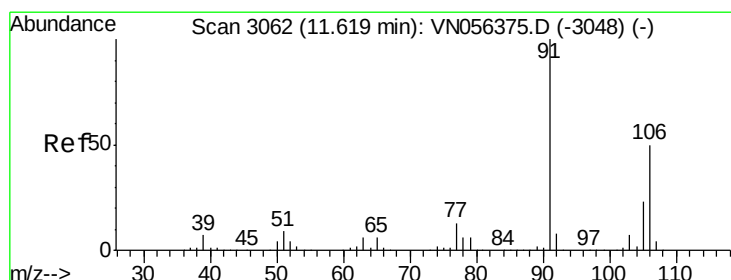
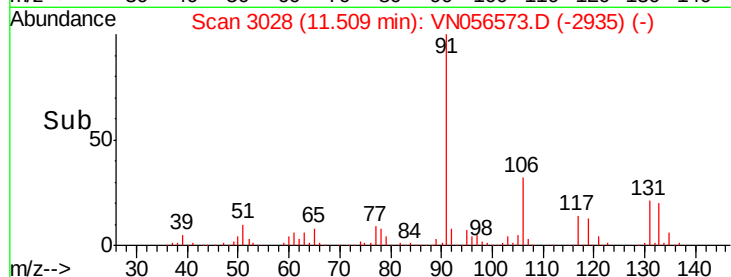
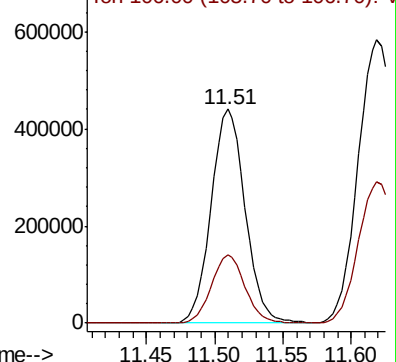
Ion Ratio Lower Upper

91 100

106 31.8 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3012) (-)



#68

m/p-Xylenes

Concen: 97.237 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN056573.D

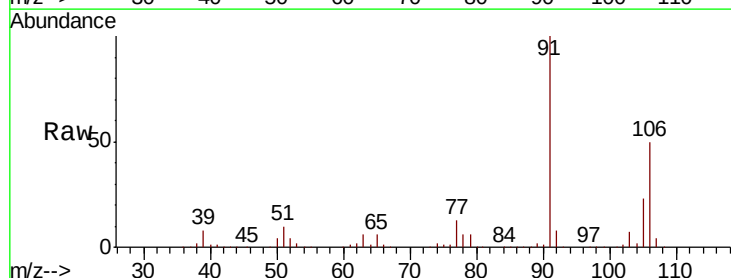
Acq: 1 Jul 2019 15:35

Tgt Ion: 106 Resp: 573542

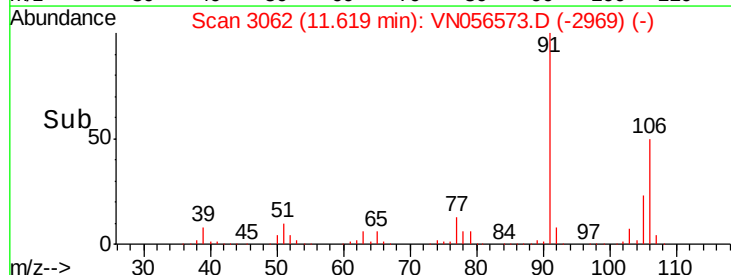
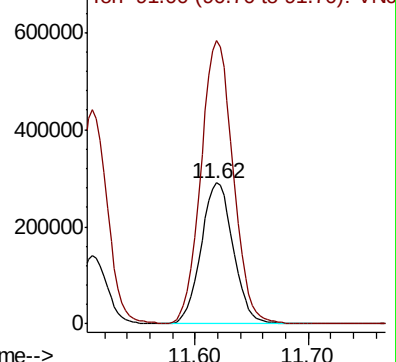
Ion Ratio Lower Upper

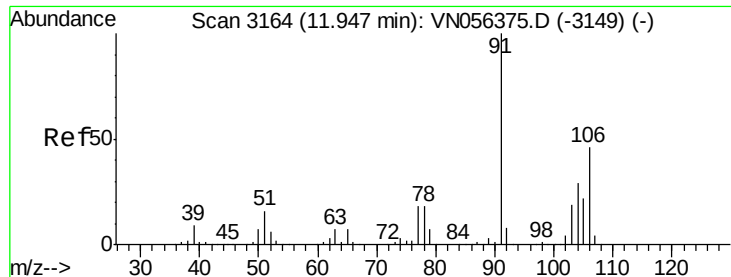
106 100

91 201.3 160.1 240.1



Abundance Ion 106.00 (105.70 to 106.70): VN056375.D (-3048) (-)

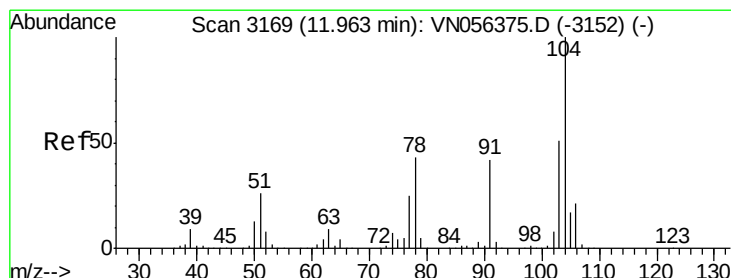
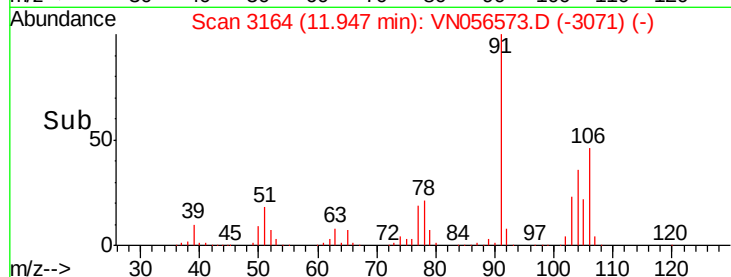
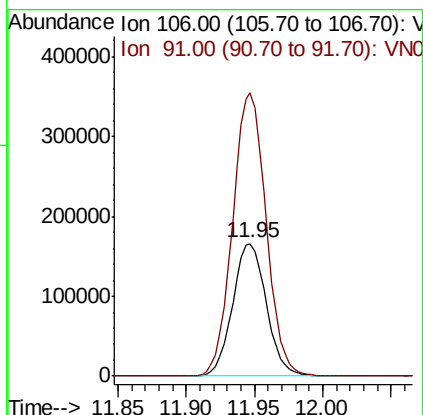
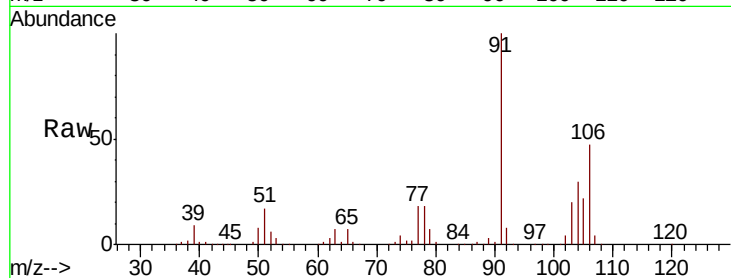




#69
o-Xylene
Concen: 48.738 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

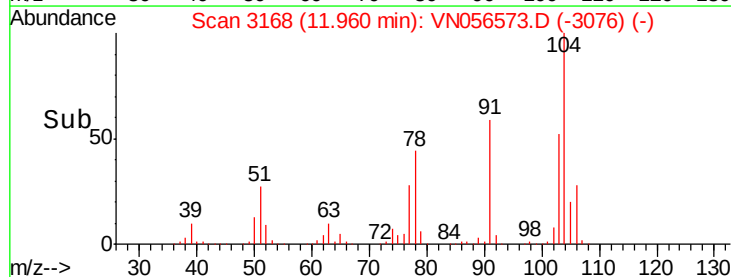
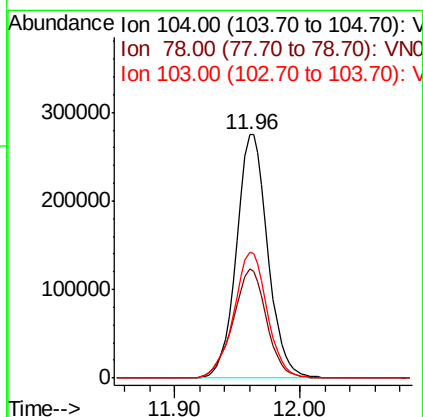
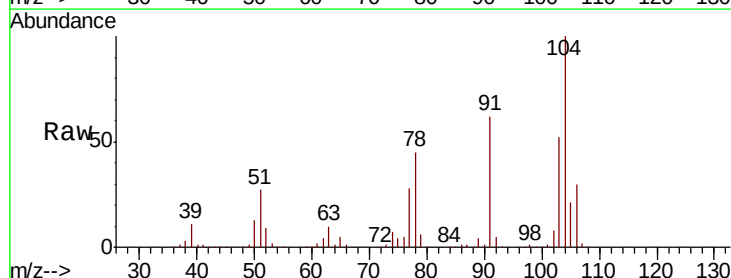
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

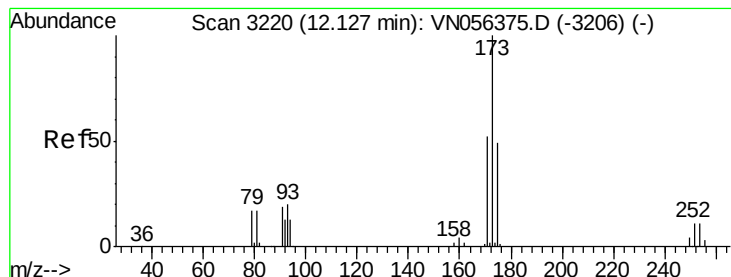
Tot Ion:106 Resp: 284409
Ion Ratio Lower Upper
106 100
91 212.3 107.1 321.3



#70
Styrene
Concen: 51.151 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion:104 Resp: 477115
Ion Ratio Lower Upper
104 100
78 48.1 38.6 57.8
103 55.5 43.9 65.9





#71

Bromoform

Concen: 48.200 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

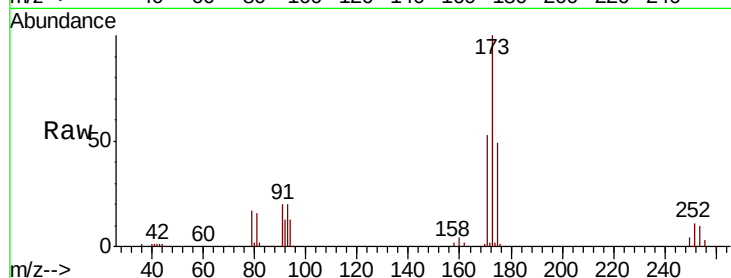
Tot Ion:173 Resp: 120162

Ion Ratio Lower Upper

173 100

175 48.4 24.4 73.4

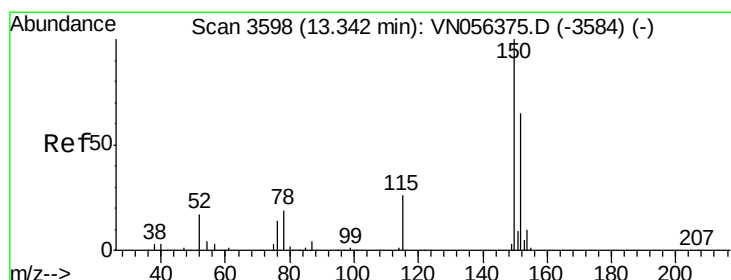
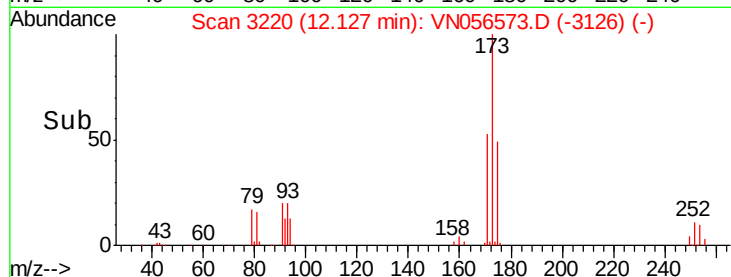
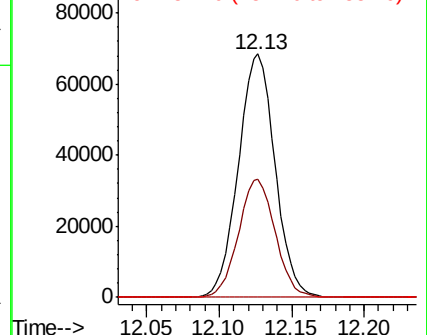
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

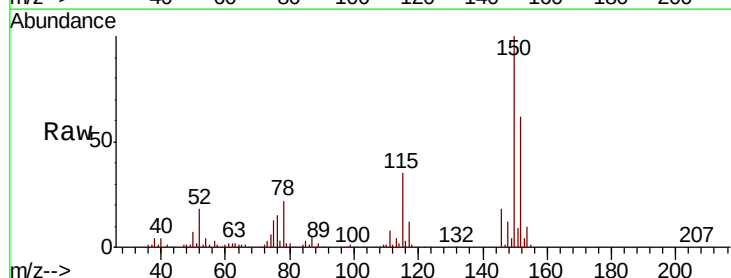
Tgt Ion:152 Resp: 191207

Ion Ratio Lower Upper

152 100

115 55.1 28.1 84.4

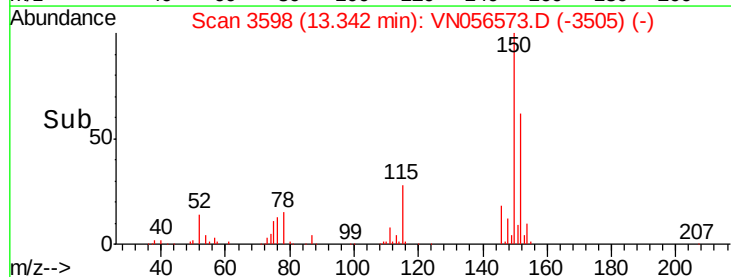
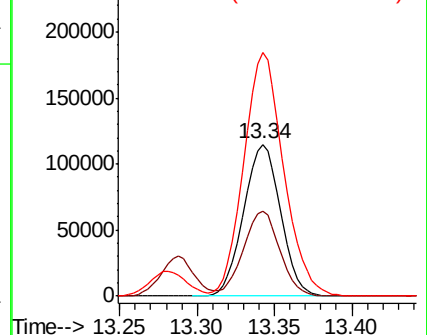
150 172.7 0.0 348.4

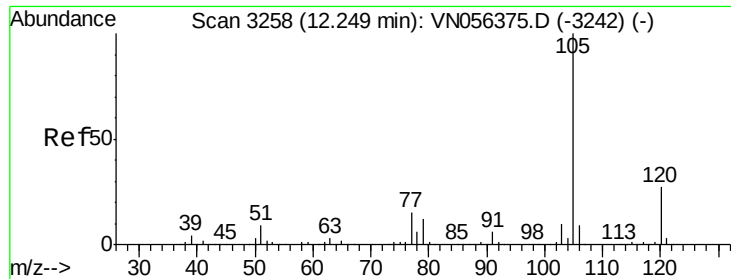


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.816 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

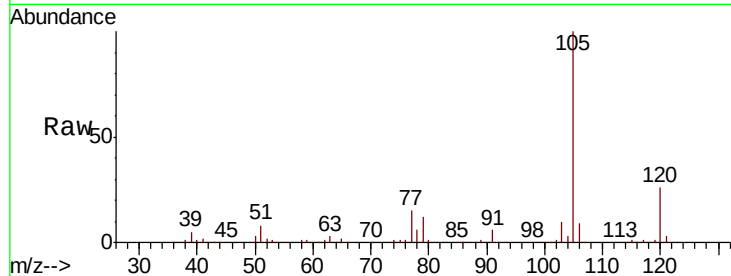
VSTDCCC050EC

Tot Ion:105 Resp: 756340

Ion Ratio Lower Upper

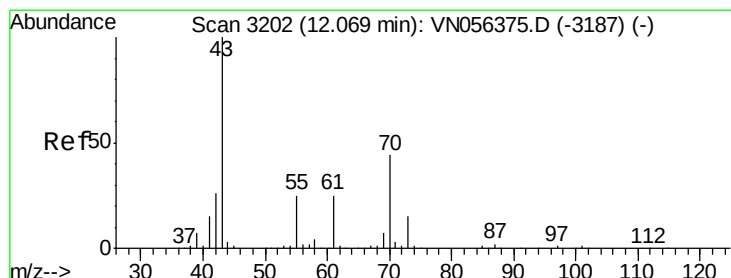
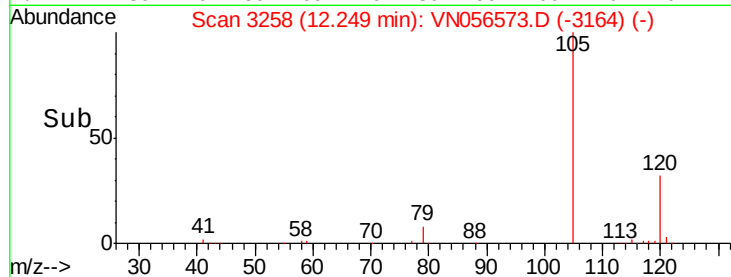
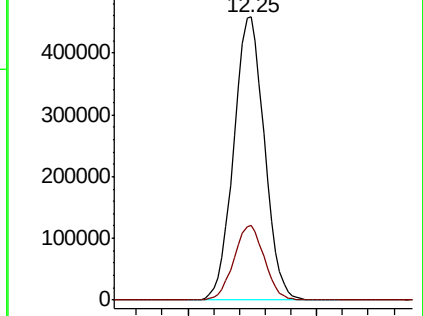
105 100

120 26.3 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.960 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Tgt Ion: 43 Resp: 291851

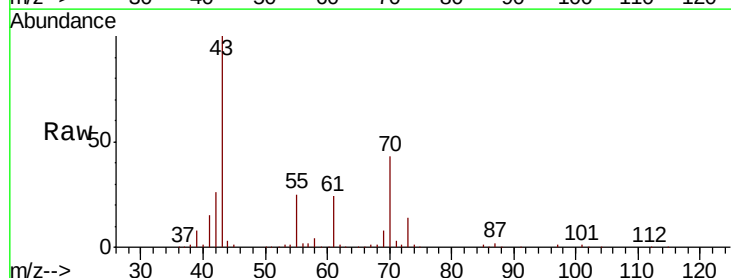
Ion Ratio Lower Upper

43 100

70 43.6 34.9 52.3

55 25.7 20.4 30.6

61 25.0 19.8 29.8

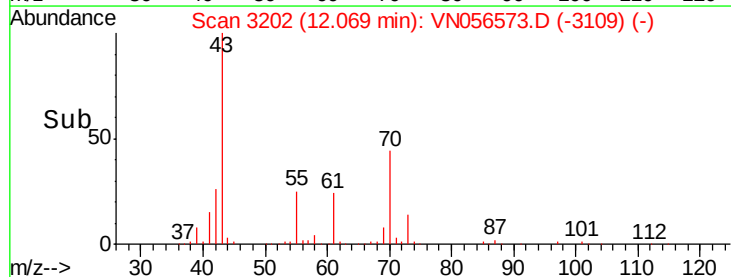
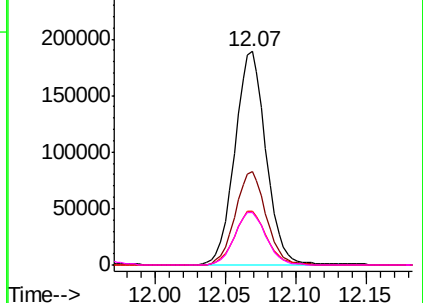


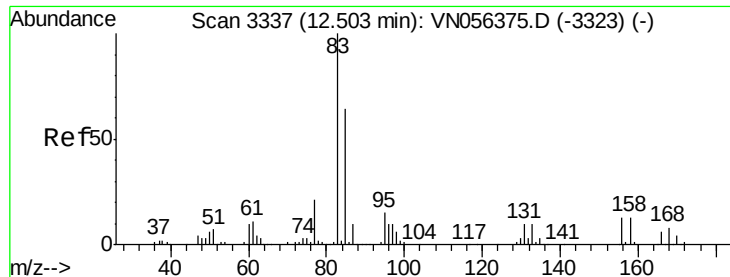
Abundance Ion 43.00 (42.70 to 43.70): V

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: 55.990 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

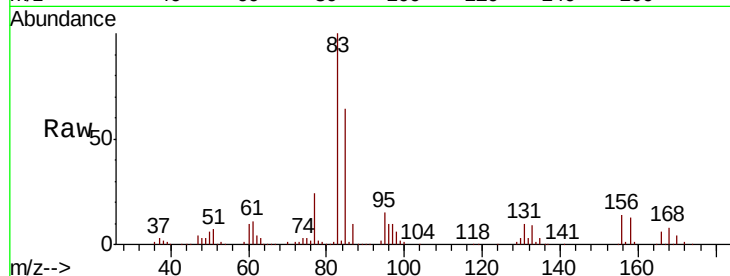
Tot Ion: 83 Resp: 247297

Ion Ratio Lower Upper

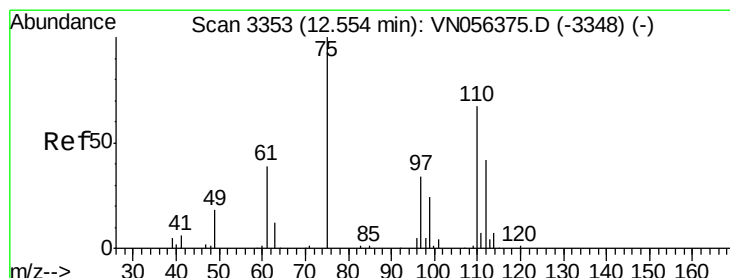
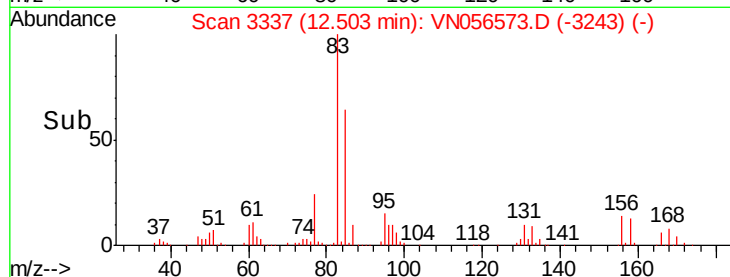
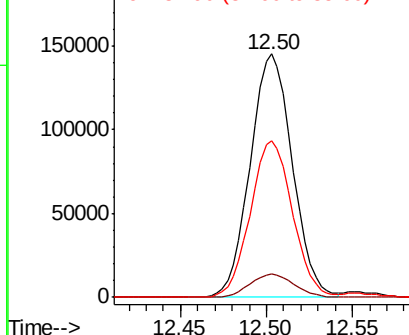
83 100

131 10.0 5.3 15.8

85 64.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 72.658 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056573.D

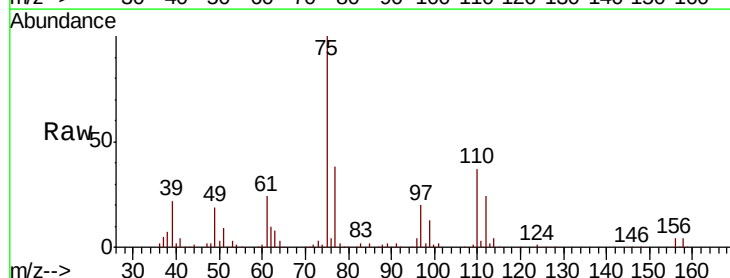
Acq: 1 Jul 2019 15:35

Tgt Ion: 75 Resp: 288066

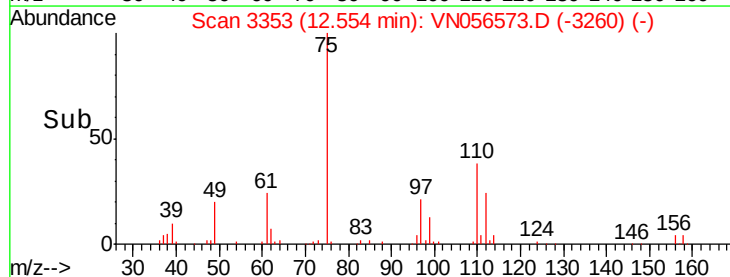
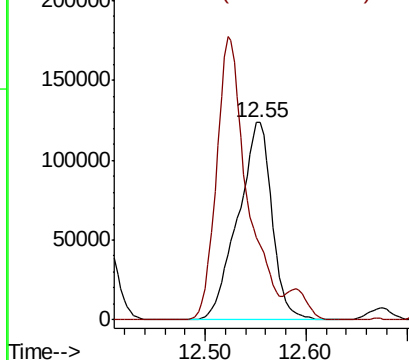
Ion Ratio Lower Upper

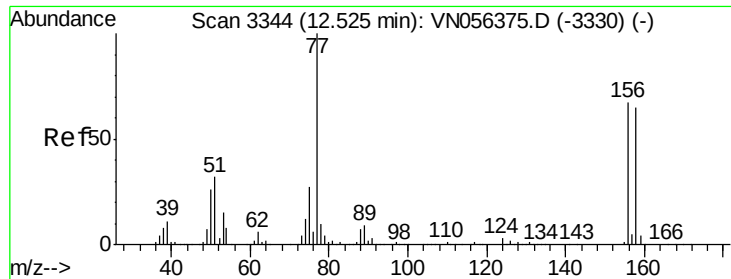
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 46.171 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

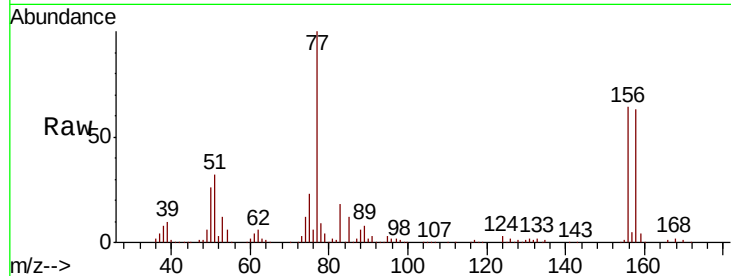
Tot Ion:156 Resp: 197399

Ion Ratio Lower Upper

156 100

77 188.8 92.5 277.3

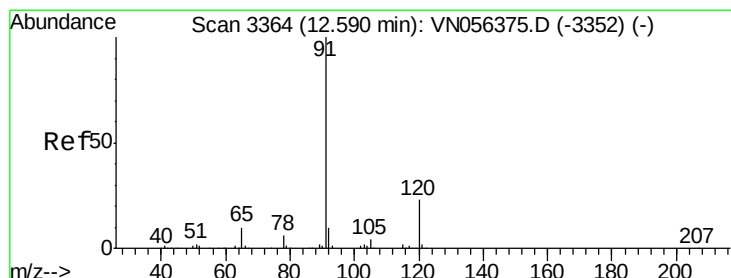
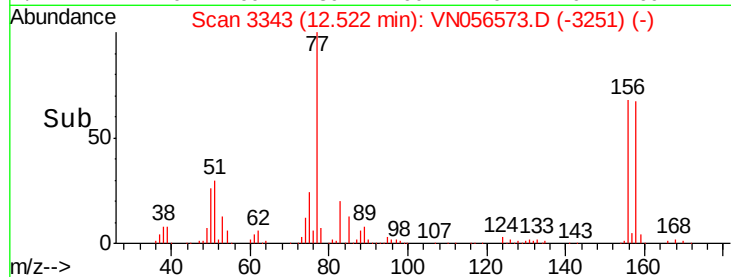
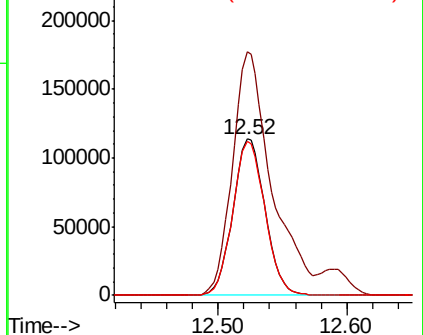
158 98.3 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.717 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056573.D

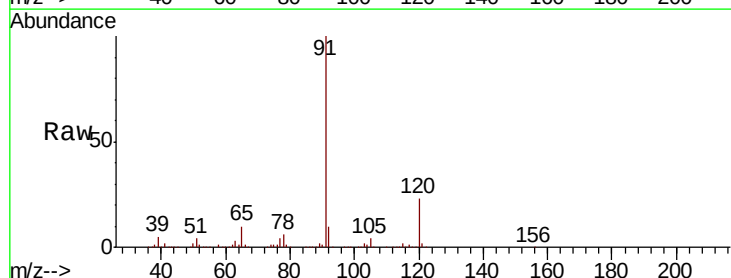
Acq: 1 Jul 2019 15:35

Tgt Ion: 91 Resp: 818009

Ion Ratio Lower Upper

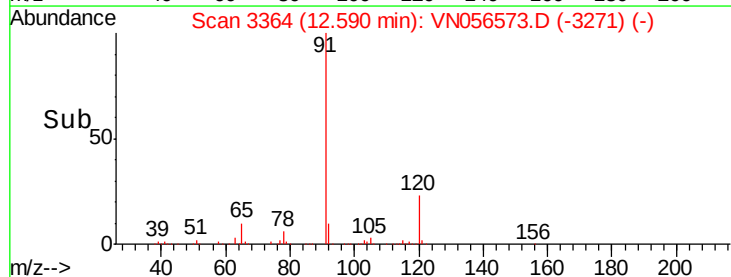
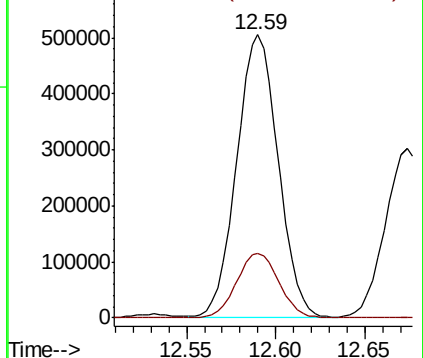
91 100

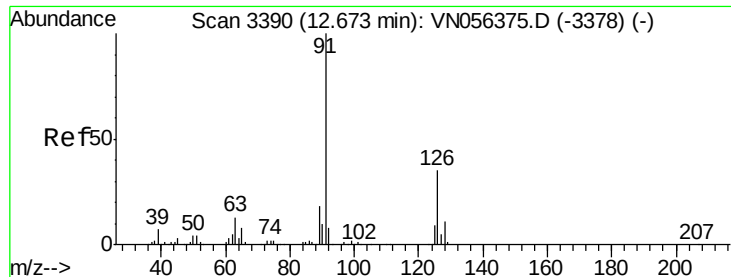
120 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.226 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

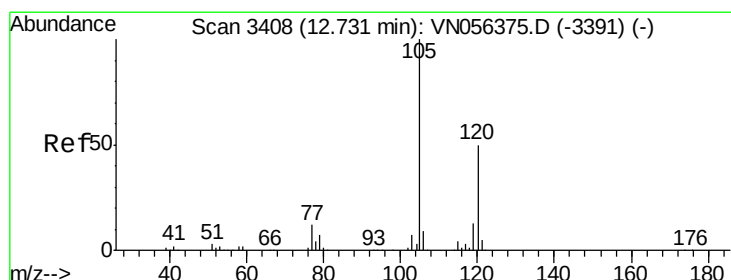
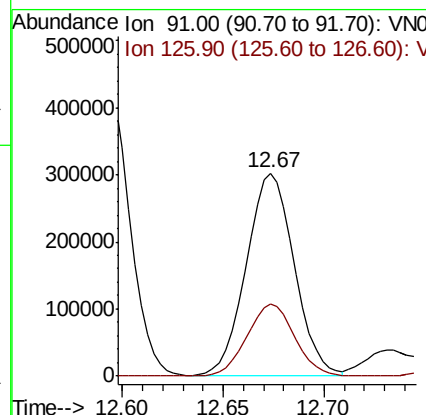
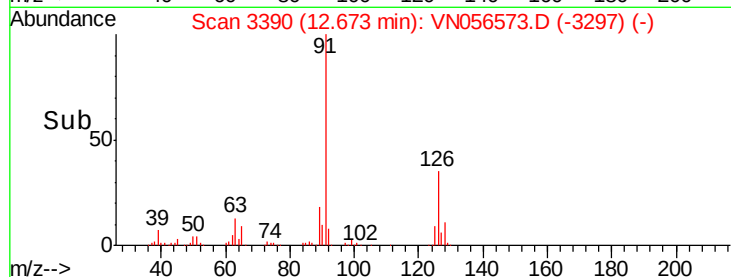
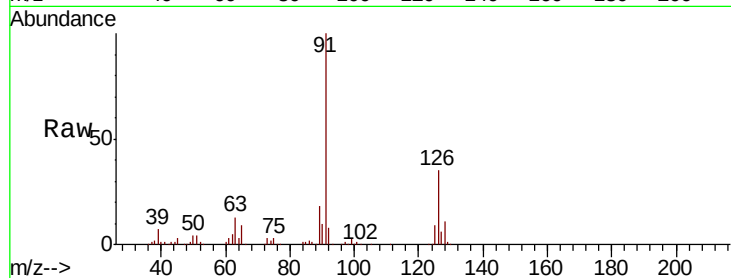
VSTDCCC050EC

Tot Ion: 91 Resp: 500361

Ion Ratio Lower Upper

91 100

126 35.6 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 51.199 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056573.D

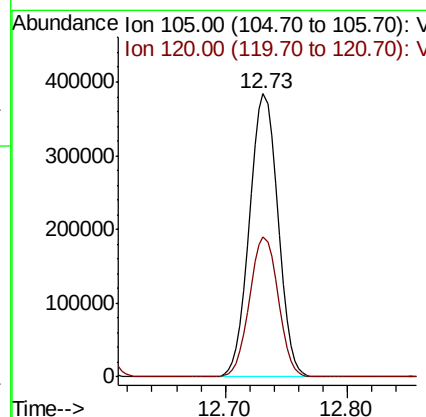
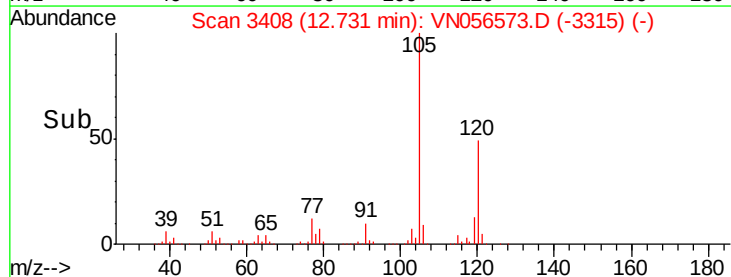
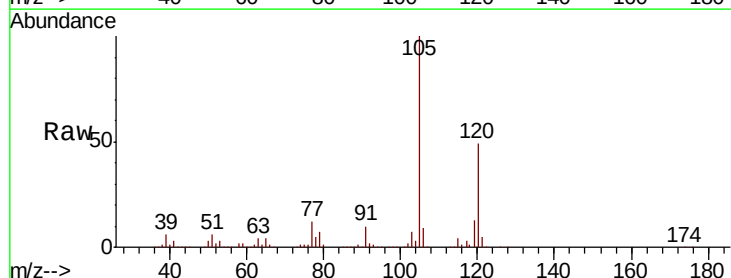
Acq: 1 Jul 2019 15:35

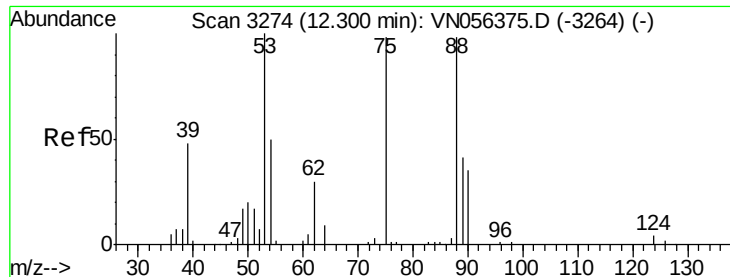
Tgt Ion: 105 Resp: 615447

Ion Ratio Lower Upper

105 100

120 49.7 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 54.386 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

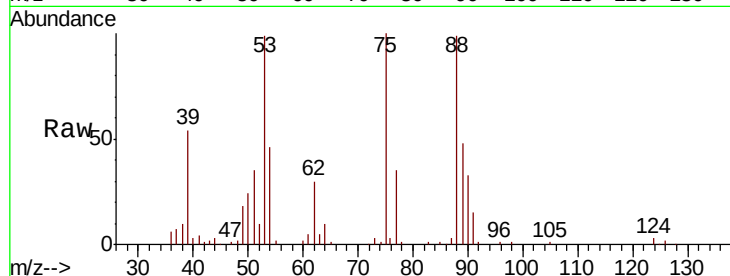
Tot Ion: 75 Resp: 60669

Ion Ratio Lower Upper

75 100

53 100.0 83.9 125.9

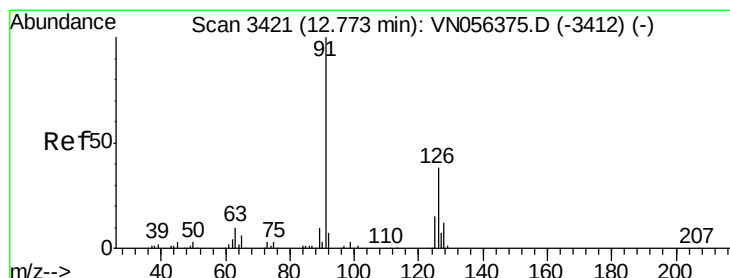
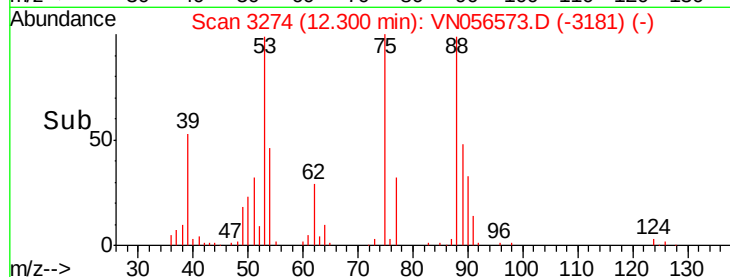
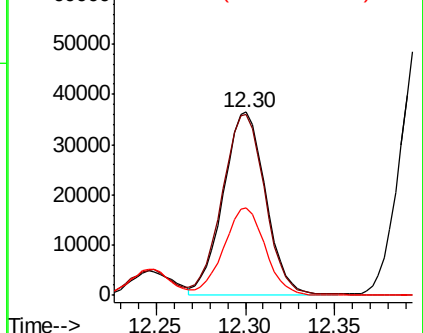
89 46.7 35.0 52.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 46.424 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN056573.D

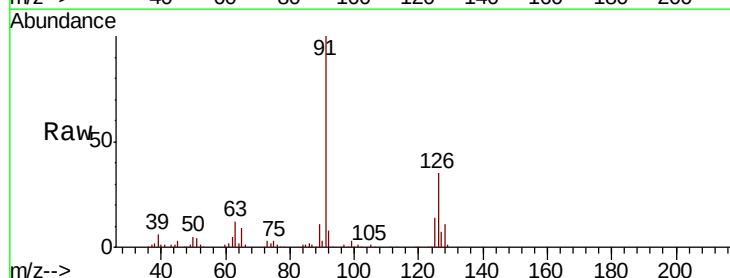
Acq: 1 Jul 2019 15:35

Tgt Ion: 91 Resp: 479957

Ion Ratio Lower Upper

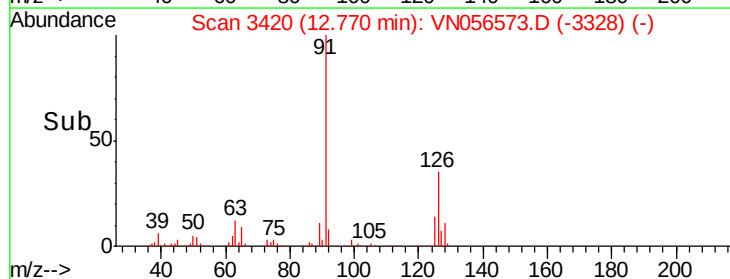
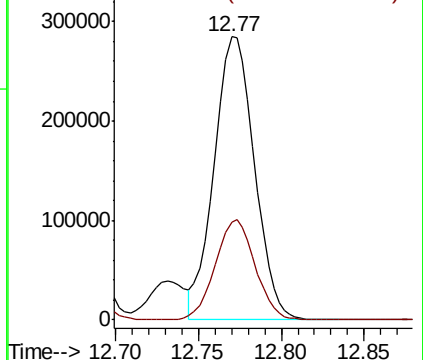
91 100

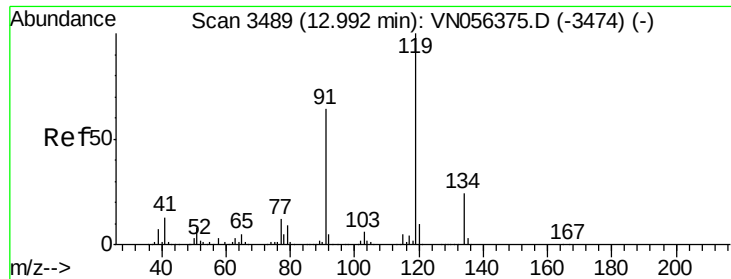
126 35.1 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

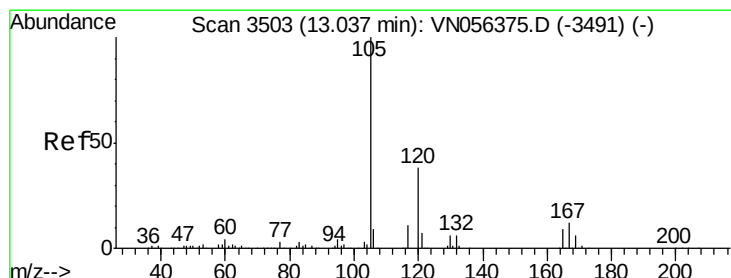
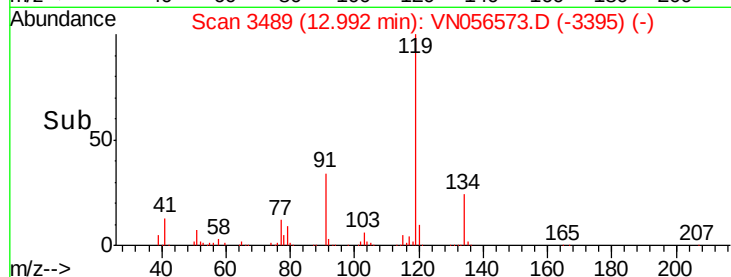
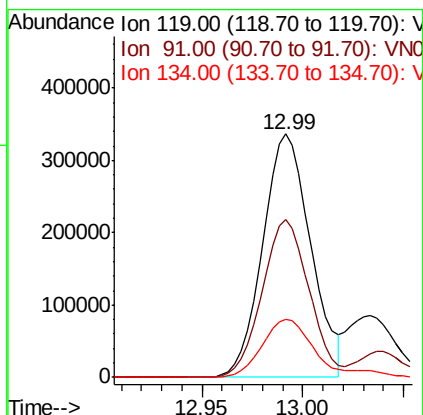
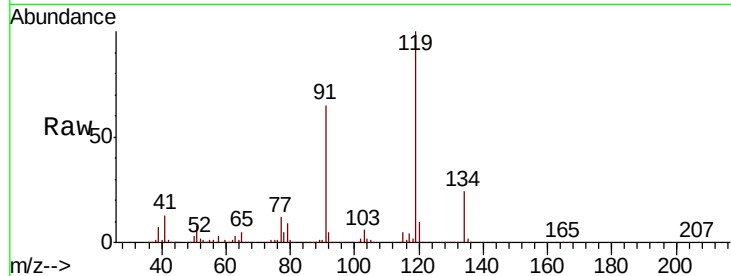




#83
 tert-Butylbenzene
 Concen: 53.276 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

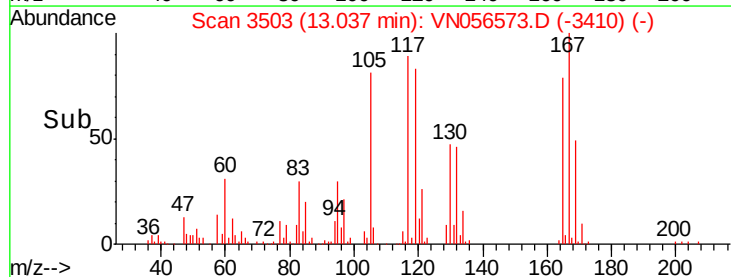
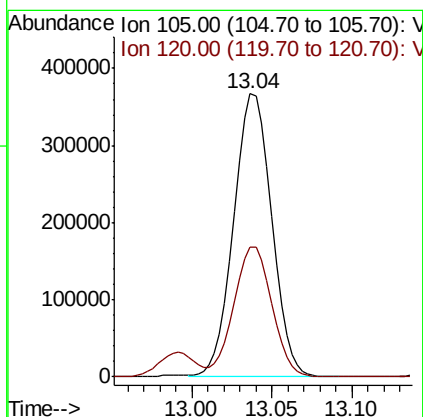
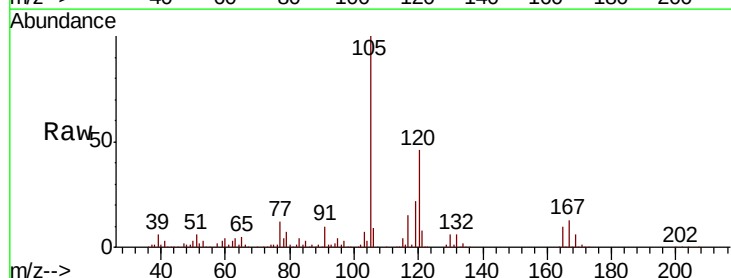
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

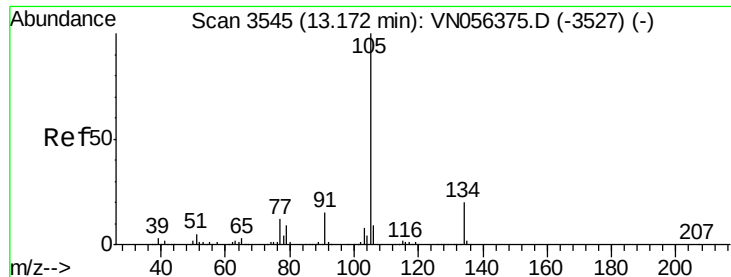
Tot Ion:119 Resp: 556737
 Ion Ratio Lower Upper
 119 100
 91 63.4 31.6 94.7
 134 26.6 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 46.102 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion:105 Resp: 593422
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.9 68.8





#85

sec-Butylbenzene

Concen: 46.371 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

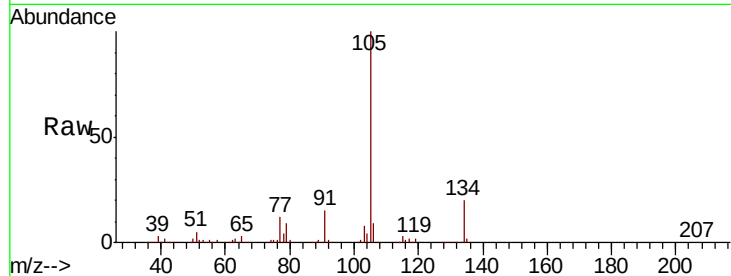
VSTDCCC050EC

Tot Ion:105 Resp: 713666

Ion Ratio Lower Upper

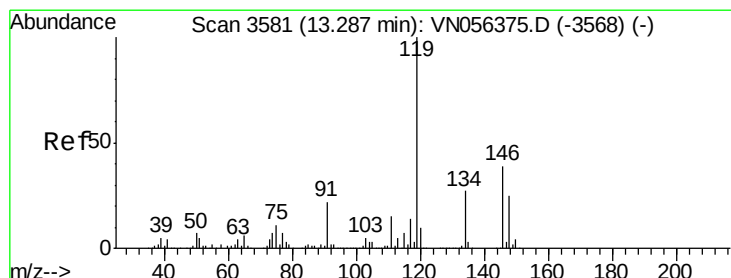
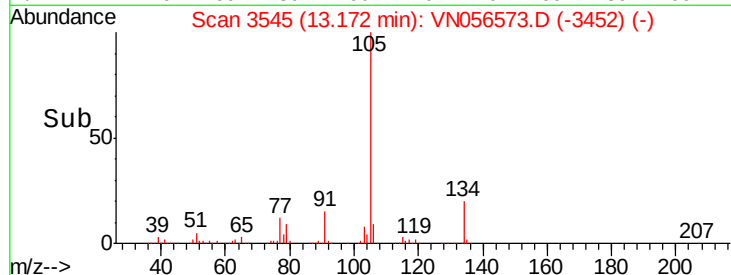
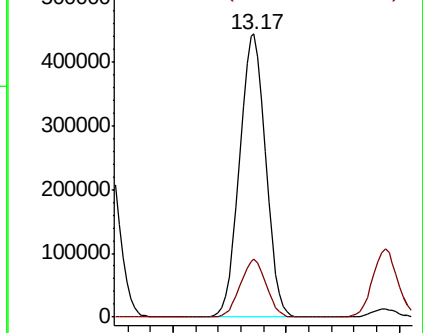
105 100

134 20.2 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.550 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

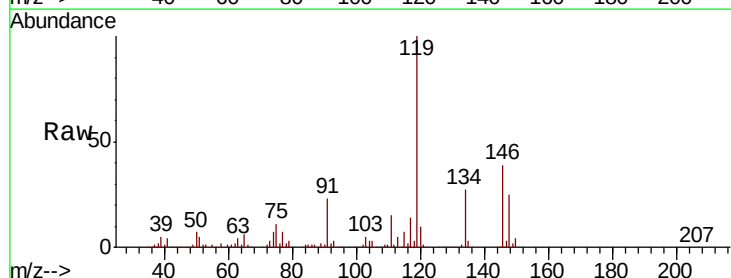
Tgt Ion:119 Resp: 614831

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

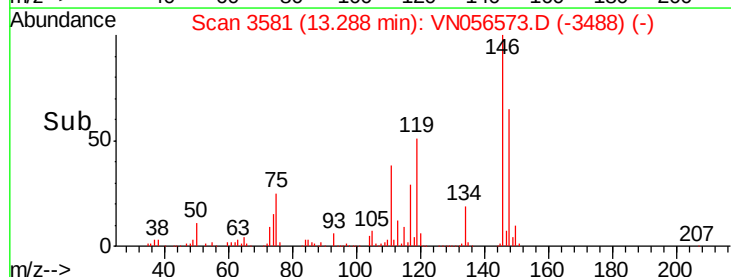
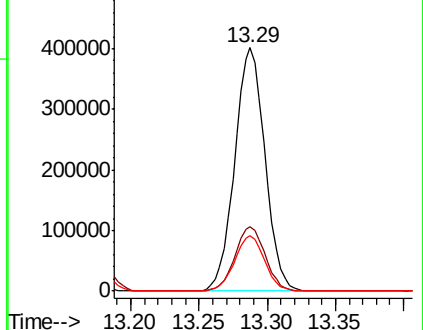
91 22.7 11.2 33.5

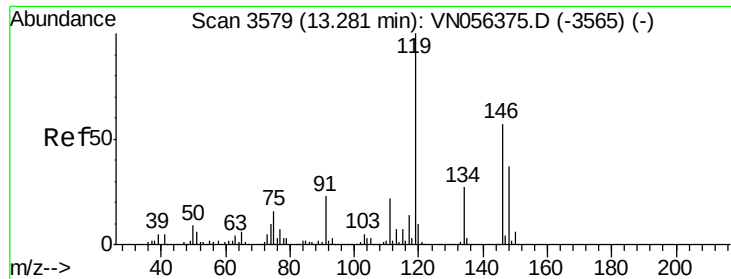


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.408 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

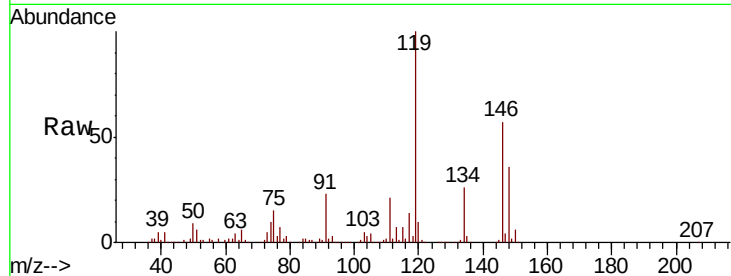
Tot Ion:146 Resp: 313643

Ion Ratio Lower Upper

146 100

111 38.1 18.9 56.9

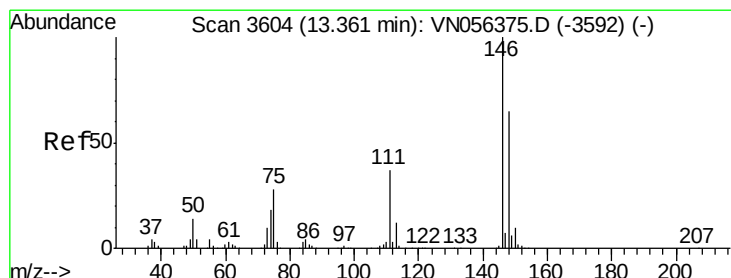
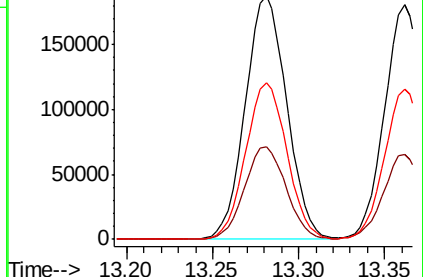
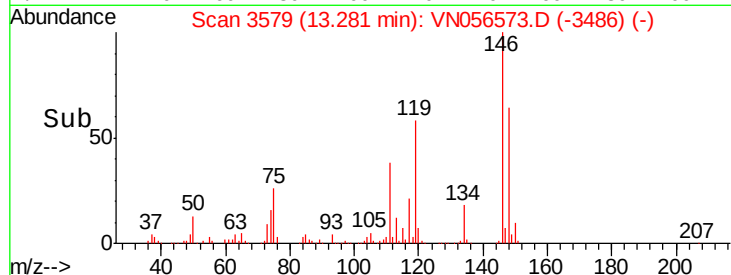
148 64.1 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 46.922 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

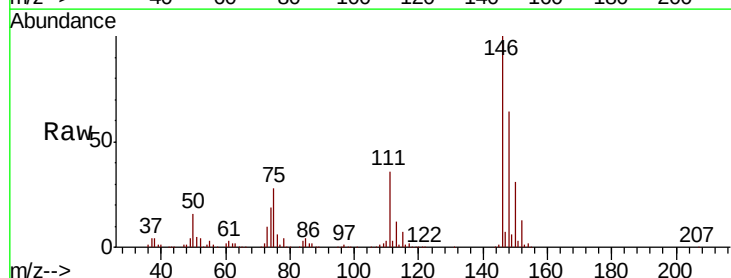
Tgt Ion:146 Resp: 294434

Ion Ratio Lower Upper

146 100

111 37.1 18.4 55.4

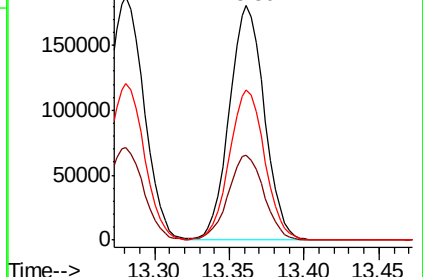
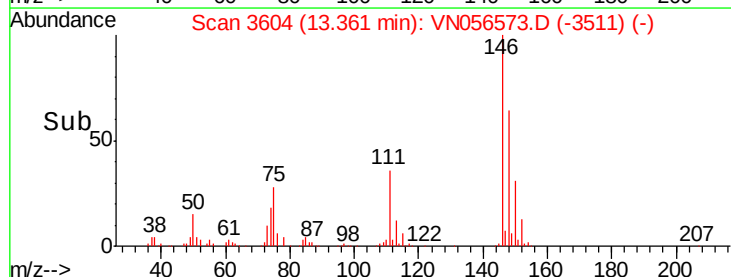
148 64.6 32.4 97.0

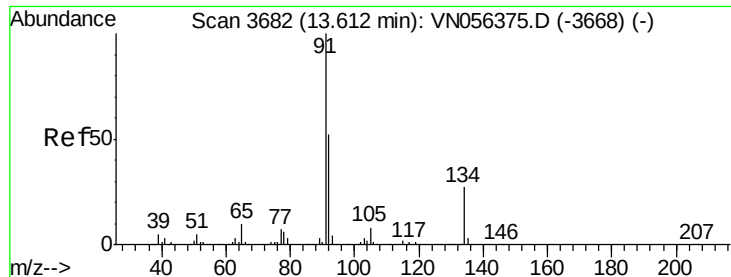


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

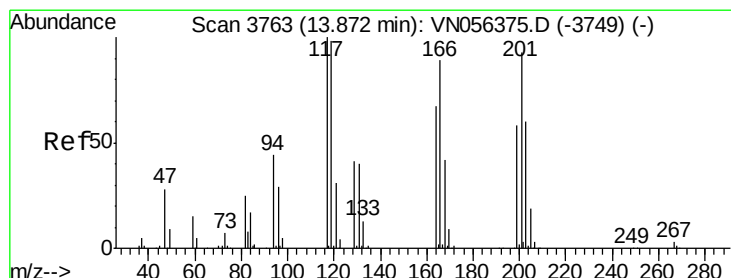
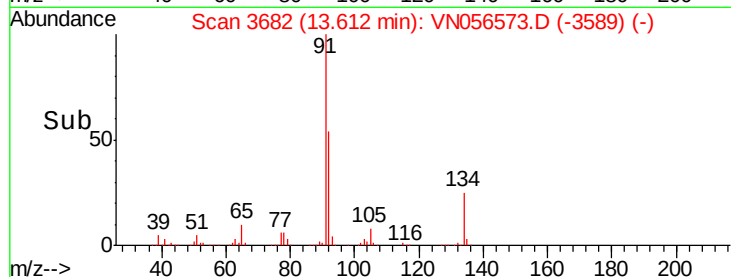
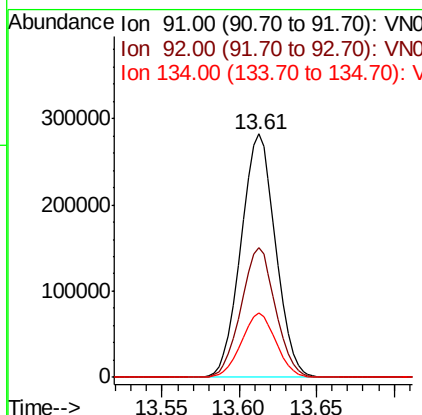
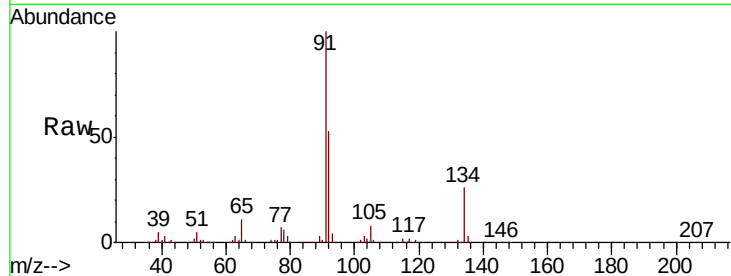




#89
n-Butylbenzene
Concen: 43.824 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

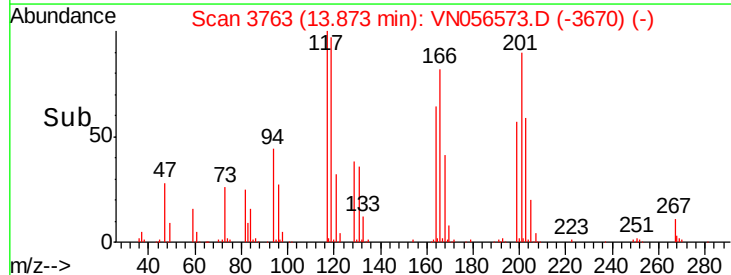
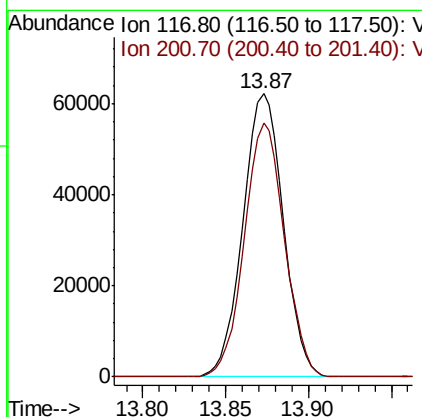
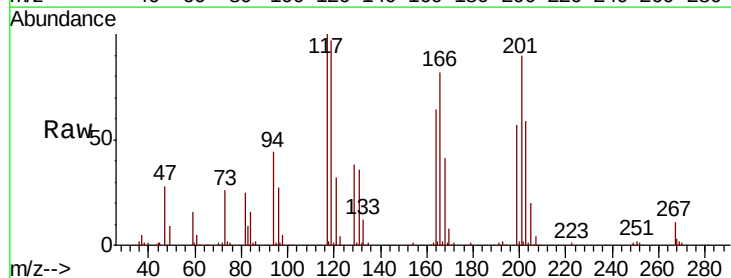
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

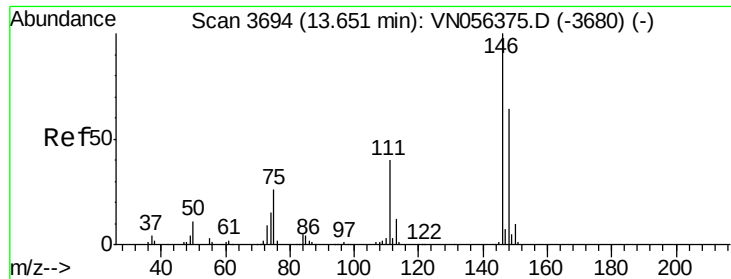
Tot Ion: 91 Resp: 438191
Ion Ratio Lower Upper
91 100
92 52.9 26.2 78.5
134 26.4 13.4 40.2



#90
Hexachloroethane
Concen: 51.142 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion: 117 Resp: 105310
Ion Ratio Lower Upper
117 100
201 88.8 45.9 137.6

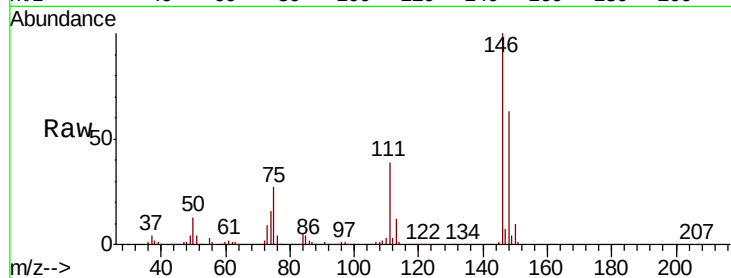




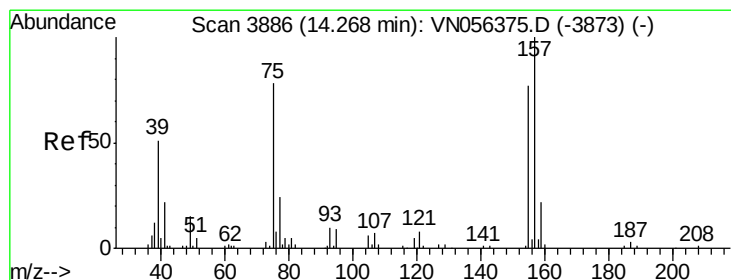
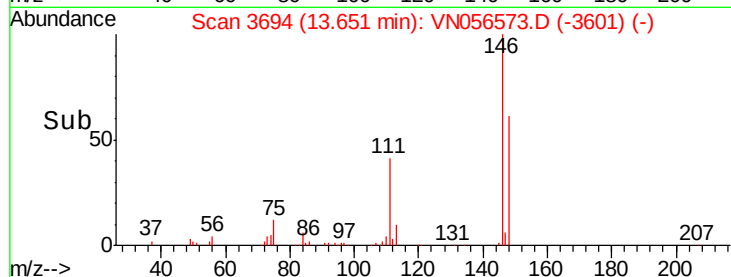
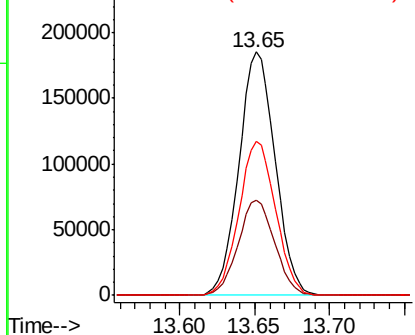
#91
 1,2-Dichlorobenzene
 Concen: 48.559 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.3	57.9
148	64.0	32.0	96.0

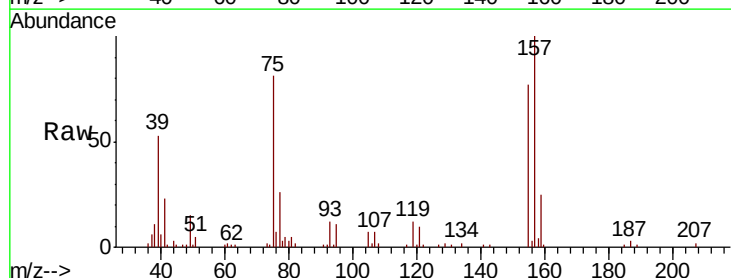


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

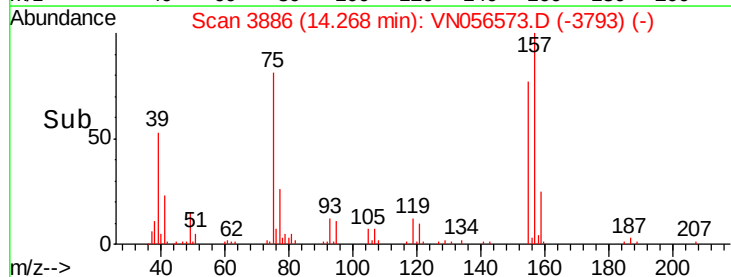
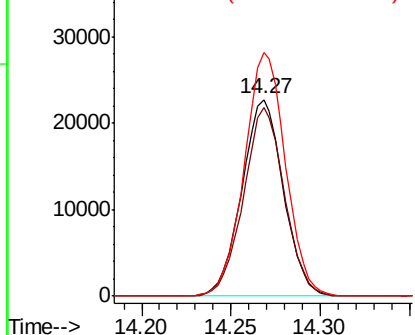


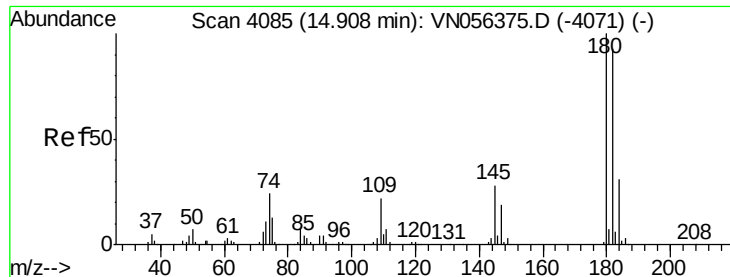
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.146 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	48.9	146.8
157	123.0	62.9	188.8



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

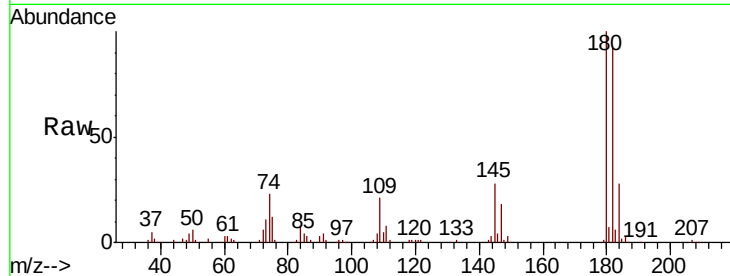




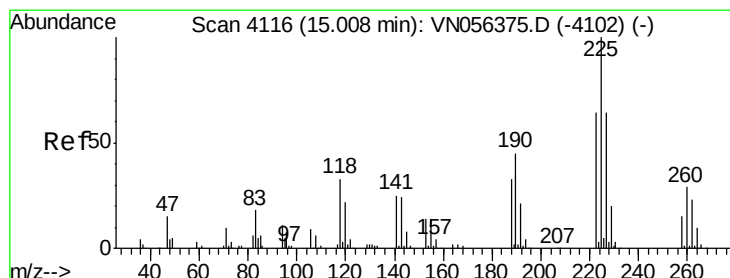
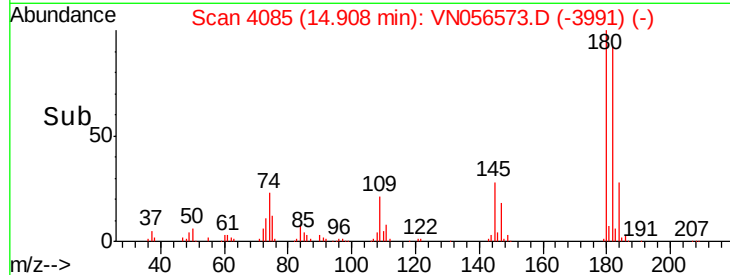
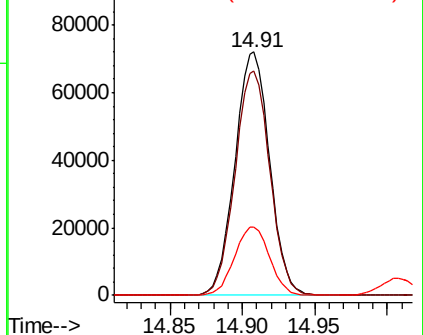
#93
 1,2,4-Trichlorobenzene
 Concen: 37.335 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 119619
 Ion Ratio Lower Upper
 180 100
 182 92.6 46.9 140.6
 145 28.3 14.4 43.0

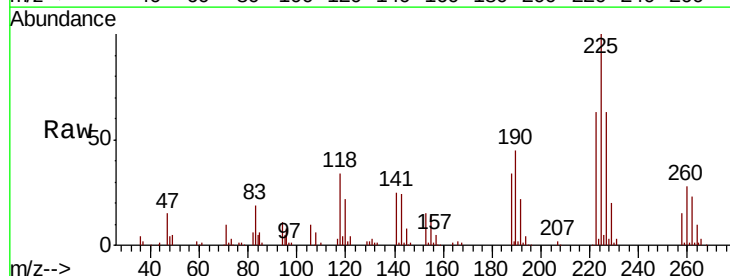


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

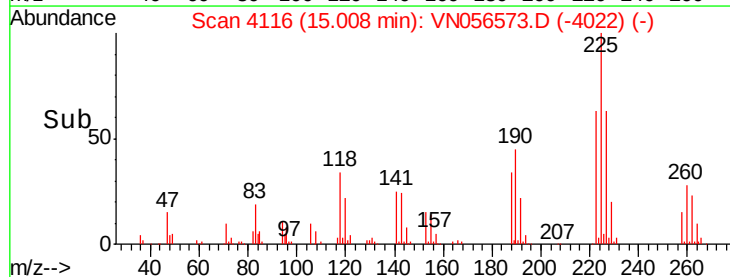
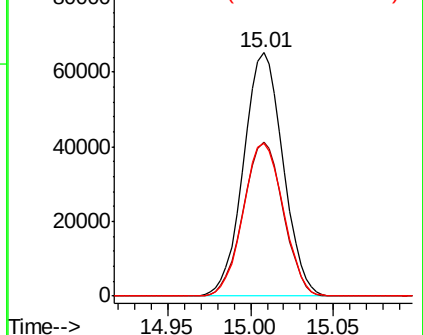


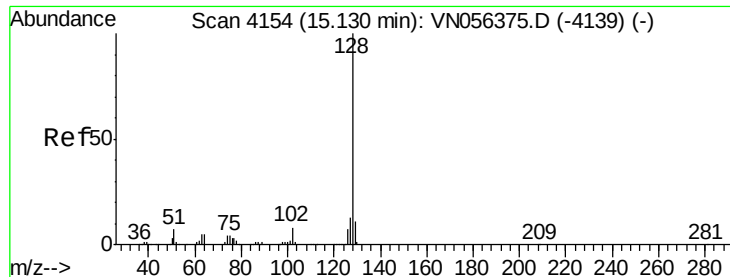
#94
 Hexachlorobutadiene
 Concen: 49.626 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion:225 Resp: 108139
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.4 94.3
 227 63.9 32.1 96.3



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: 38.267 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

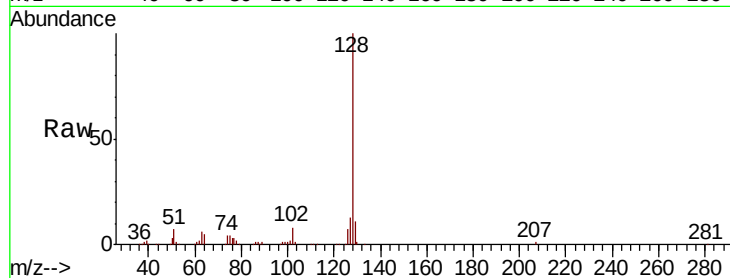
Tot Ion:128 Resp: 322766

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

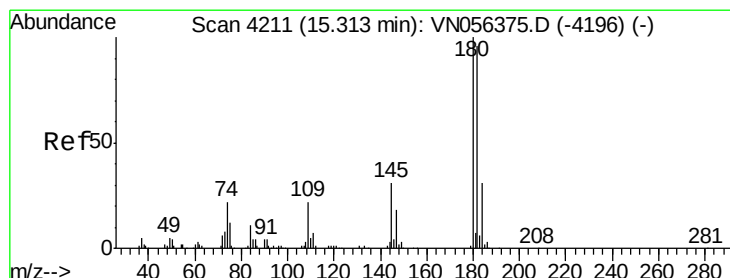
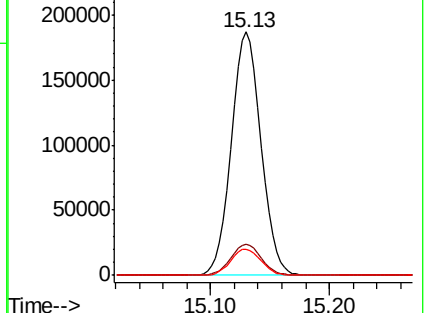
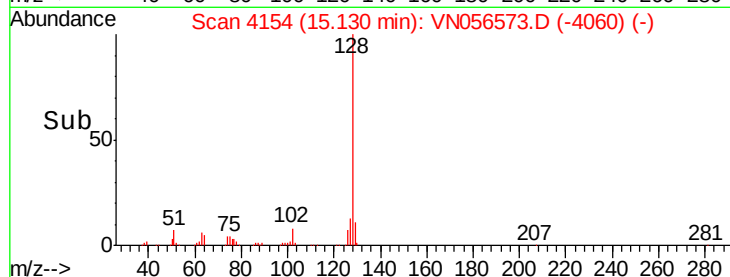
129 10.9 8.6 12.8



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: 39.545 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

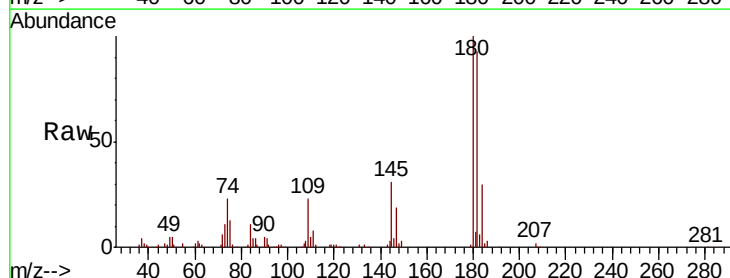
Tgt Ion:180 Resp: 133597

Ion Ratio Lower Upper

180 100

182 94.5 48.3 144.8

145 30.5 15.4 46.1



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

