

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\
 Data File : VN055167.D
 Acq On : 20 Apr 2019 3:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 20 04:31:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	490664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	759549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	582969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	230569	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	307539	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
35) Dibromofluoromethane	7.59	113	250835	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	10.09	98	884848	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
62) 4-Bromofluorobenzene	12.40	95	259269	43.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.80%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	190108	34.093	ug/l 99
3) Chloromethane	2.06	50	245645	33.775	ug/l 99
4) Vinyl Chloride	2.19	62	204189	33.402	ug/l 97
5) Bromomethane	2.55	94	105928	30.630	ug/l 98
6) Chloroethane	2.70	64	112029	33.983	ug/l 96
7) Trichlorofluoromethane	3.02	101	302199	39.528	ug/l 98
8) Diethyl Ether	3.41	74	122241	50.090	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	180507	45.116	ug/l 98
10) Methyl Iodide	3.95	142	274421	44.199	ug/l 94
11) Tert butyl alcohol	4.79	59	96285	269.327	ug/l 100
12) 1,1-Dichloroethene	3.74	96	181660	46.646	ug/l 90
13) Acrolein	3.61	56	83713	189.442	ug/l 95
14) Allyl chloride	4.33	41	365590	38.351	ug/l 99
15) Acrylonitrile	4.99	53	475044	222.094	ug/l 99
16) Acetone	3.82	43	359888	203.301	ug/l 93
17) Carbon Disulfide	4.06	76	413523	32.894	ug/l 99
18) Methyl Acetate	4.33	43	241053	47.222	ug/l 99
19) Methyl tert-butyl Ether	5.05	73	598774	42.981	ug/l 98
20) Methylene Chloride	4.55	84	226121	36.337	ug/l 98
21) trans-1,2-Dichloroethene	5.05	96	193878	36.809	ug/l 98
22) Diisopropyl ether	5.95	45	814616	41.569	ug/l 96
23) Vinyl Acetate	5.90	43	2891718	223.247	ug/l 99
24) 1,1-Dichloroethane	5.85	63	412154	39.495	ug/l 99
25) 2-Butanone	6.84	43	583728	220.938	ug/l 99
26) 2,2-Dichloropropane	6.83	77	196268	29.799	ug/l 97
27) cis-1,2-Dichloroethene	6.83	96	234774	39.398	ug/l 96
28) Bromochloromethane	7.19	49	202424	40.240	ug/l 99
29) Tetrahydrofuran	7.22	42	395304	228.161	ug/l 100
30) Chloroform	7.37	83	392753	38.746	ug/l 99
31) Cyclohexane	7.65	56	346192	37.203	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	323420	40.272	ug/l 100
36) 1,1-Dichloropropene	7.80	75	278908	38.953	ug/l 99
37) Ethyl Acetate	6.93	43	254032	43.579	ug/l 98
38) Carbon Tetrachloride	7.77	117	267010	39.196	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\
 Data File : VN055167.D
 Acq On : 20 Apr 2019 3:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Quant Time: Apr 20 04:31:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	278559	35.902	ug/l	98
40) Benzene	8.04	78	875965	40.592	ug/l	99
41) Methacrylonitrile	7.18	41	148572	45.915	ug/l	95
42) 1,2-Dichloroethane	8.13	62	310468	41.438	ug/l	100
43) Isopropyl Acetate	8.17	43	457548	50.940	ug/l	99
44) Trichloroethene	8.83	130	217909	40.315	ug/l	99
45) 1,2-Dichloropropane	9.12	63	252769	42.000	ug/l	98
46) Dibromomethane	9.21	93	145775	42.555	ug/l	99
47) Bromodichloromethane	9.40	83	299838	42.455	ug/l	100
48) Methyl methacrylate	9.20	41	211371	47.478	ug/l	98
49) 1,4-Dioxane	9.20	88	48820	1170.466	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1259115	242.645	ug/l	100
52) Toluene	10.16	92	510009	41.264	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	282558	45.780	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	331648	43.294	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	203452	42.725	ug/l	99
56) Ethyl methacrylate	10.43	69	282362	49.409	ug/l	99
57) 1,3-Dichloropropane	10.71	76	351852	43.398	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	467059	188.817	ug/l	98
59) 2-Hexanone	10.75	43	788522	241.933	ug/l	100
60) Dibromochloromethane	10.90	129	212847	45.774	ug/l	98
61) 1,2-Dibromoethane	11.01	107	195741	44.660	ug/l	99
64) Tetrachloroethene	10.63	164	210726	44.452	ug/l	98
65) Chlorobenzene	11.43	112	520365	44.344	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	208858	48.392	ug/l	99
67) Ethyl Benzene	11.51	91	951671	45.413	ug/l	100
68) m/p-Xylenes	11.62	106	687342	90.577	ug/l	100
69) o-Xylene	11.95	106	341167	46.418	ug/l	99
70) Styrene	11.96	104	573255	48.184	ug/l	99
71) Bromoform	12.13	173	134231	54.261	ug/l #	99
73) Isopropylbenzene	12.25	105	900808	44.028	ug/l	99
74) N-amyl acetate	12.07	43	332868	57.795	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	259361	47.374	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	296417	71.491	ug/l #	100
77) Bromobenzene	12.53	156	222644	43.649	ug/l	98
78) n-propylbenzene	12.59	91	993678	44.952	ug/l	100
79) 2-Chlorotoluene	12.67	91	617647	44.796	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	734531	44.487	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	54206	52.280	ug/l	94
82) 4-Chlorotoluene	12.77	91	593330	46.124	ug/l	100
83) tert-Butylbenzene	12.99	119	629643	45.155	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	721639	46.119	ug/l	99
85) sec-Butylbenzene	13.17	105	801825	45.128	ug/l	99
86) p-Isopropyltoluene	13.29	119	695708	45.639	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	357731	46.141	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	350641	47.427	ug/l	99
89) n-Butylbenzene	13.61	91	532703	47.074	ug/l	99
90) Hexachloroethane	13.87	117	120317	48.508	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	365097	46.803	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37152	55.108	ug/l	96

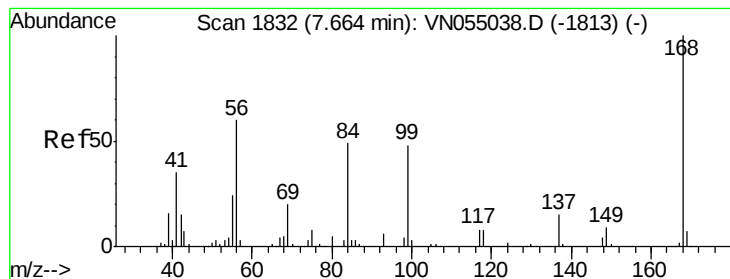
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\
Data File : VN055167.D
Acq On : 20 Apr 2019 3:36
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 20 04:31:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 15 12:28:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	147363	42.120	ug/l	98
94) Hexachlorobutadiene	15.01	225	109603	45.490	ug/l	99
95) Naphthalene	15.13	128	343592	42.056	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	155893	51.803	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

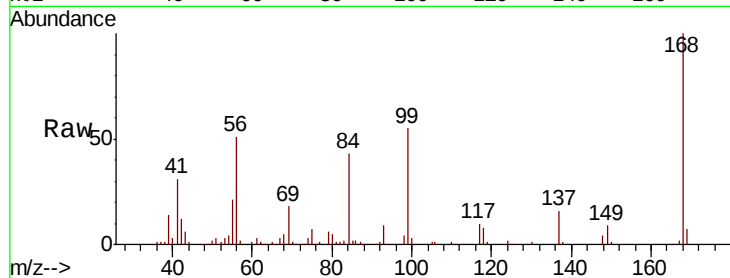
VSTDCCC050EC

Tot Ion:168 Resp: 490664

Ion Ratio Lower Upper

168 100

99 54.0 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

200000

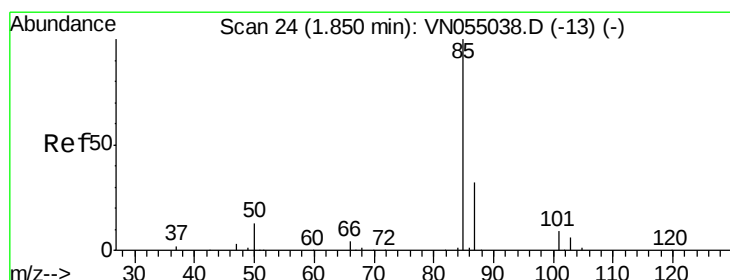
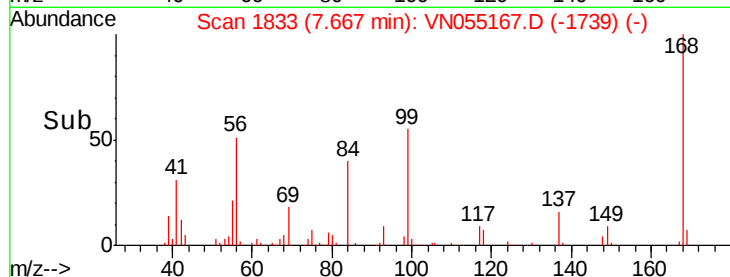
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 34.093 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055167.D

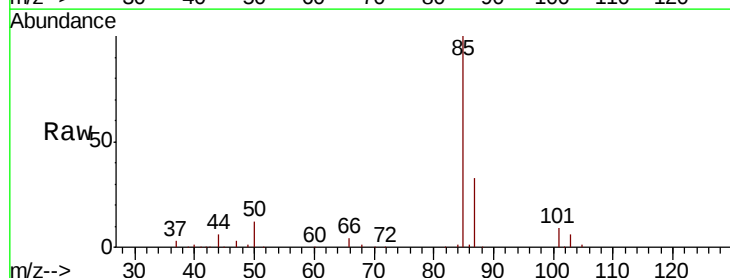
Acq: 20 Apr 2019 3:36

Tgt Ion: 85 Resp: 190108

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

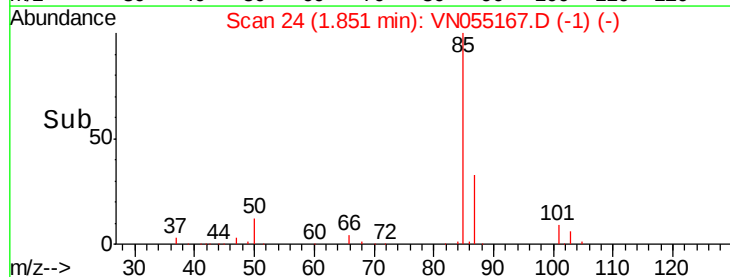
150000

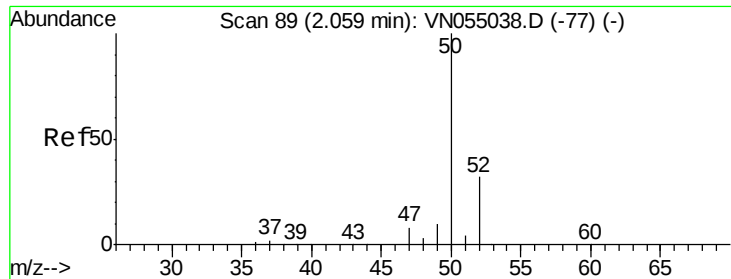
100000

50000

0

Time-->





#3

Chloromethane

Concen: 33.775 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

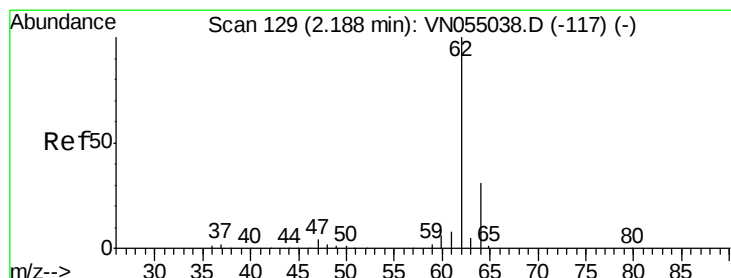
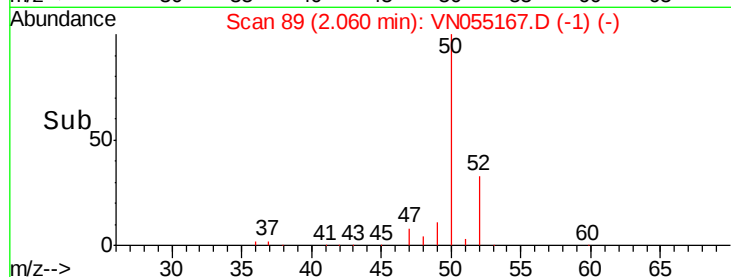
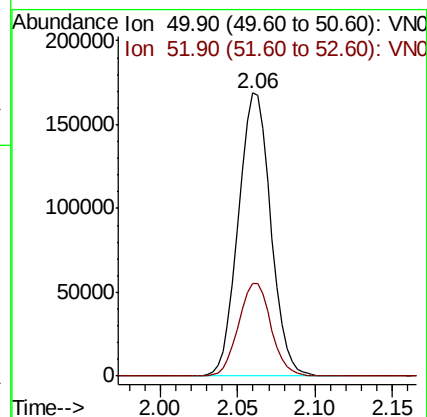
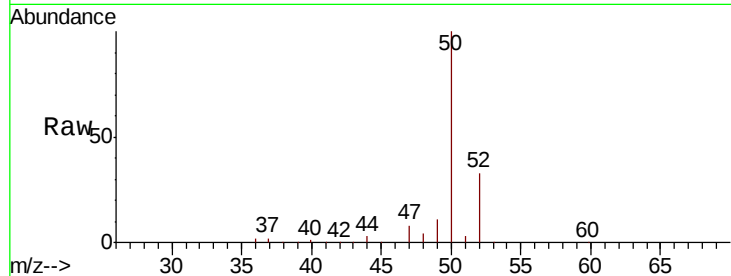
VSTDCCC050EC

Tot Ion: 50 Resp: 245645

Ion Ratio Lower Upper

50 100

52 32.8 26.6 40.0



#4

Vinyl Chloride

Concen: 33.402 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055167.D

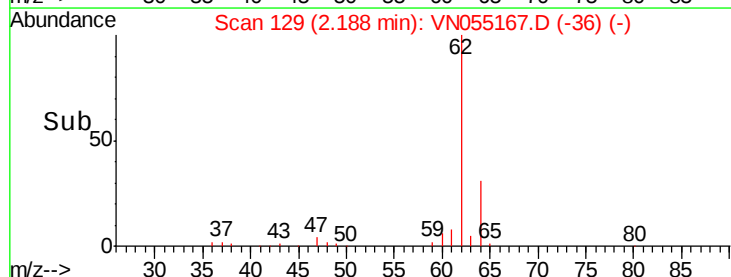
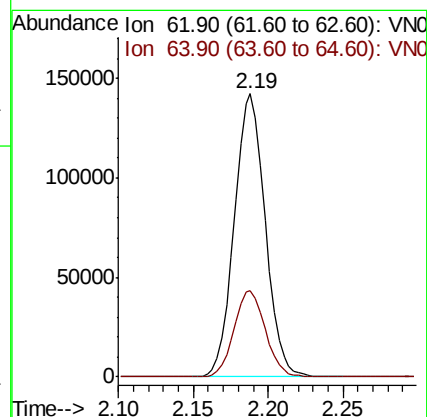
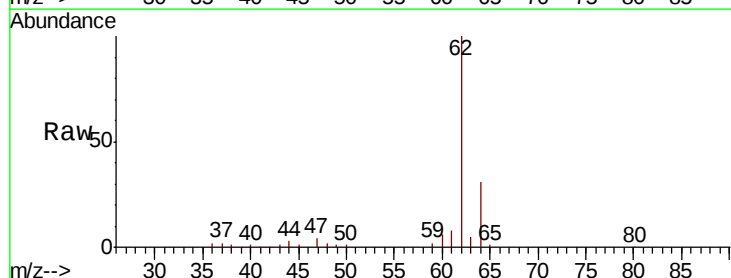
Acq: 20 Apr 2019 3:36

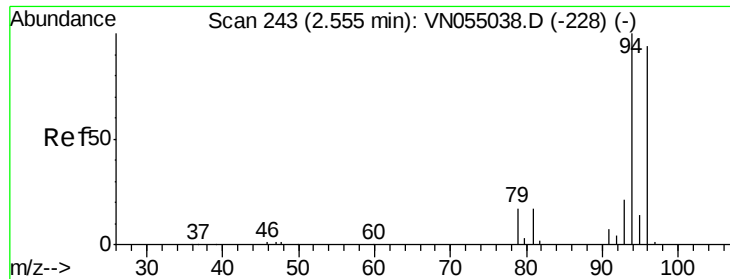
Tgt Ion: 62 Resp: 204189

Ion Ratio Lower Upper

62 100

64 30.5 25.8 38.6





#5

Bromomethane

Concen: 30.630 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

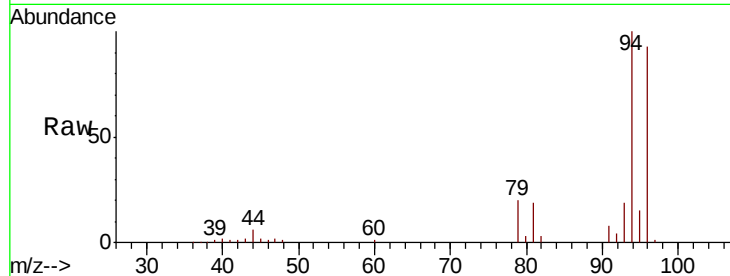
VSTDCCC050EC

Tot Ion: 94 Resp: 105928

Ion Ratio Lower Upper

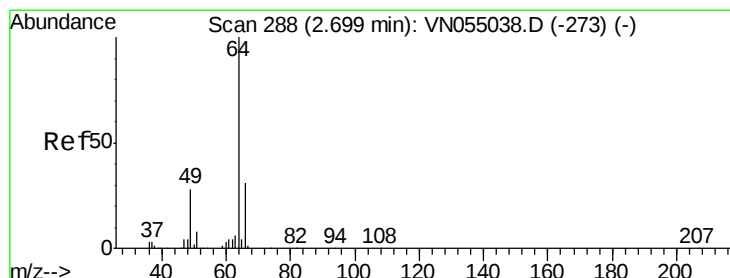
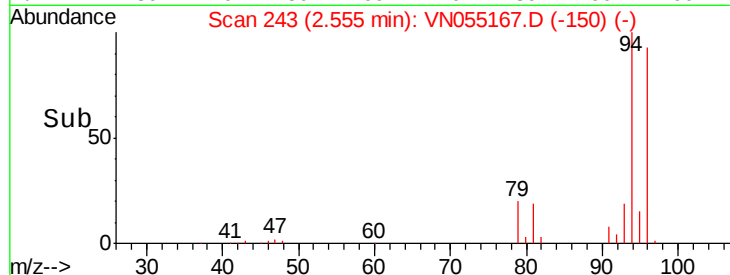
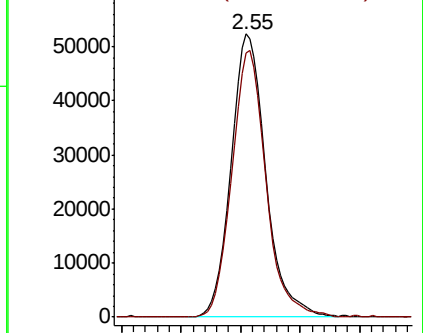
94 100

96 93.2 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 33.983 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN055167.D

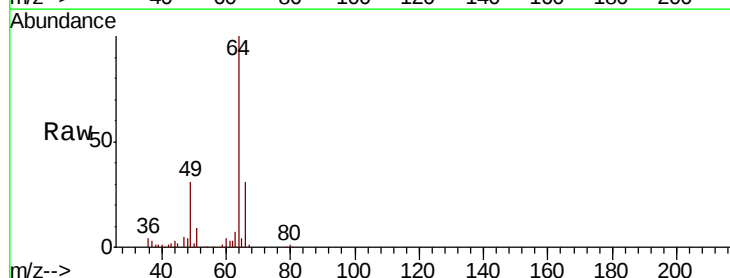
Acq: 20 Apr 2019 3:36

Tgt Ion: 64 Resp: 112029

Ion Ratio Lower Upper

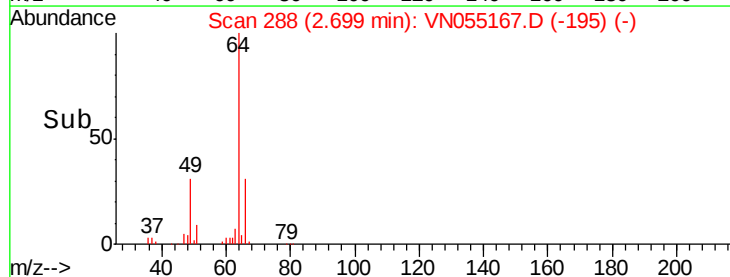
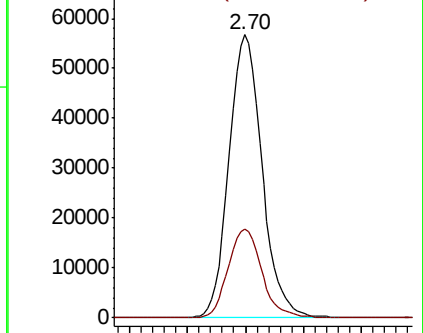
64 100

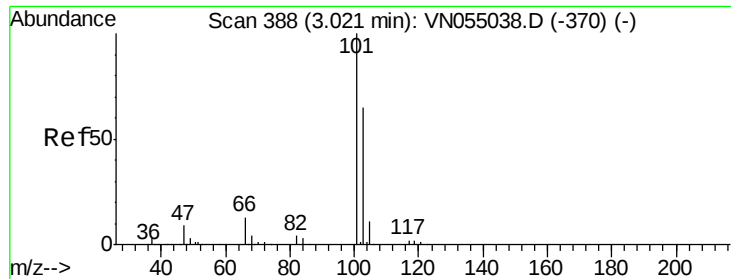
66 31.2 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



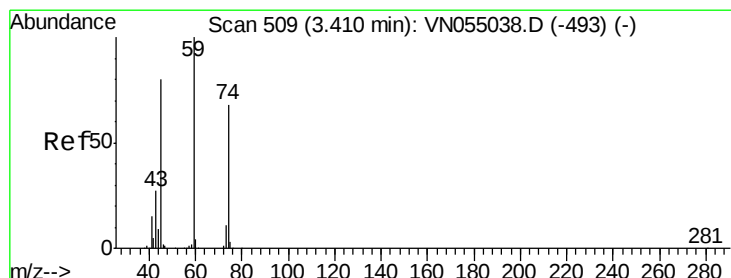
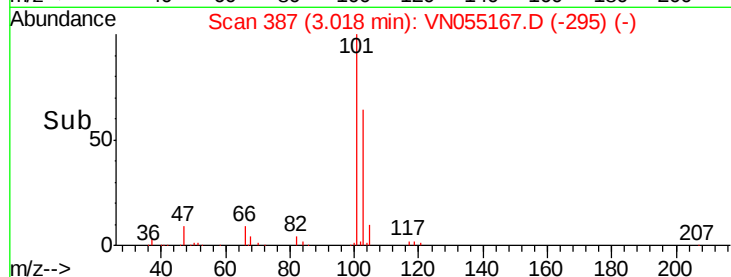
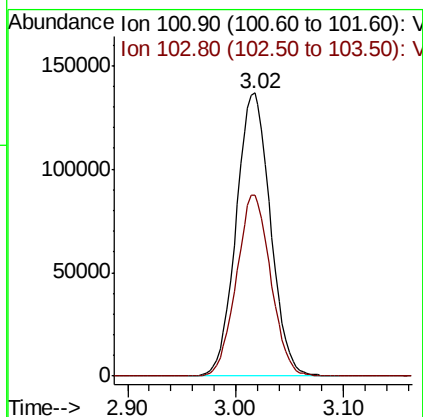
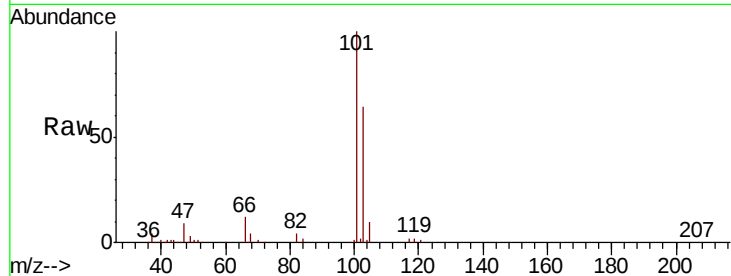


#7

Trichlorofluoromethane
 Concen: 39.528 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

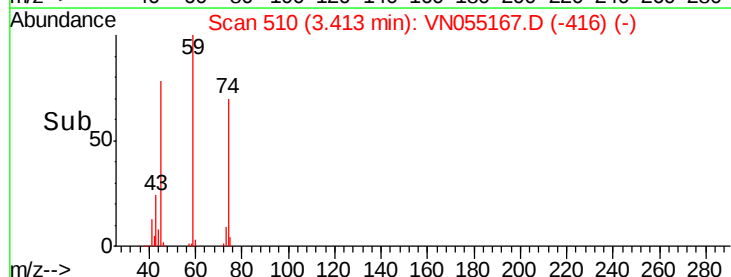
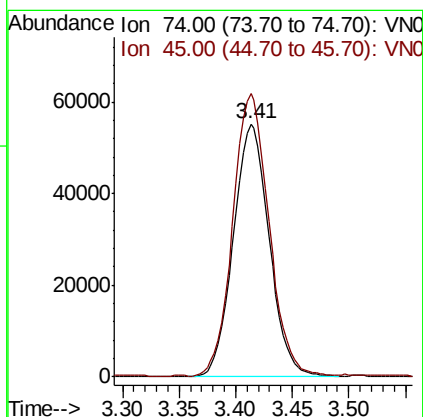
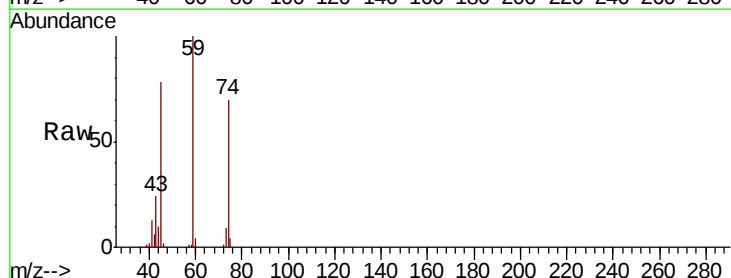
Tot Ion:101 Resp: 302199
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.5 78.7

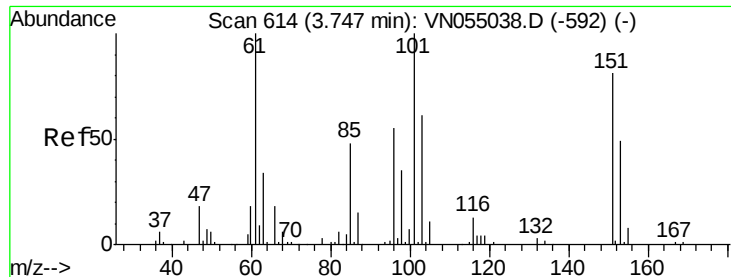


#8

Diethyl Ether
 Concen: 50.090 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Tgt Ion: 74 Resp: 122241
 Ion Ratio Lower Upper
 74 100
 45 112.0 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.116 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.01 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

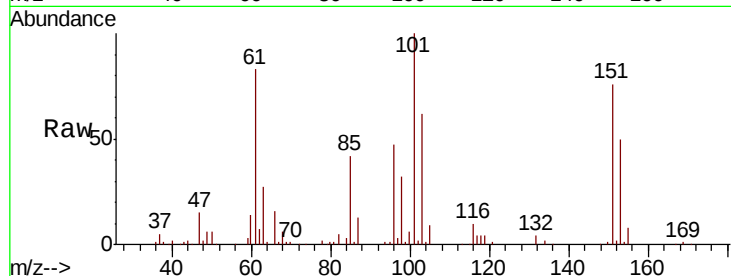
Tot Ion:101 Resp: 180507

Ion Ratio Lower Upper

101 100

85 43.8 36.9 55.3

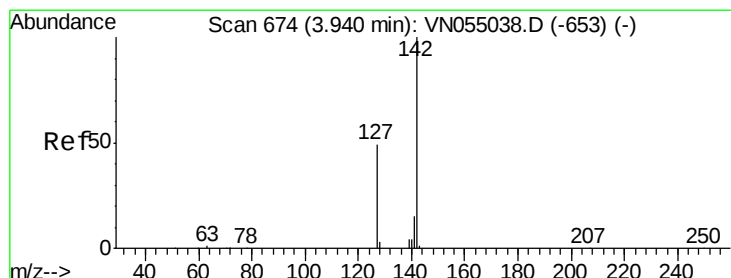
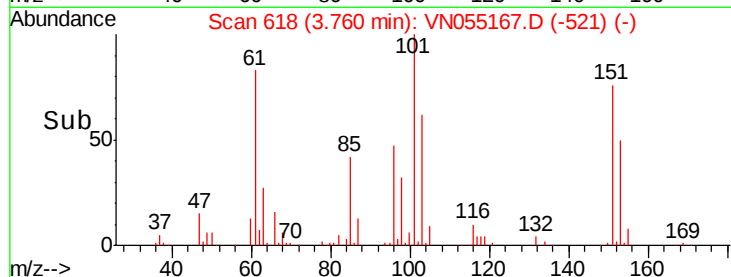
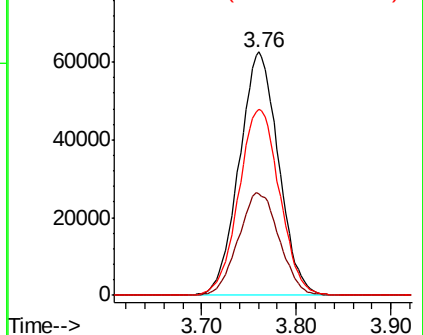
151 79.5 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.199 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.01 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

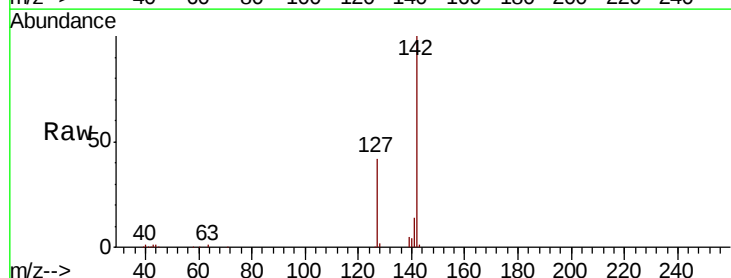
Tgt Ion:142 Resp: 274421

Ion Ratio Lower Upper

142 100

127 41.8 37.9 56.9

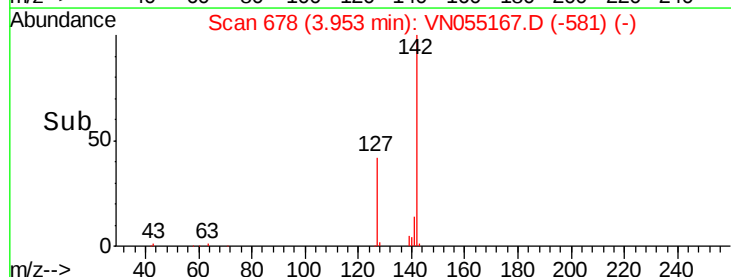
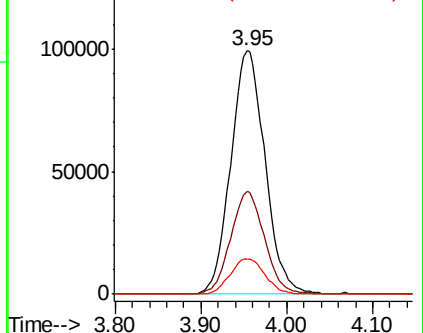
141 14.7 11.8 17.8

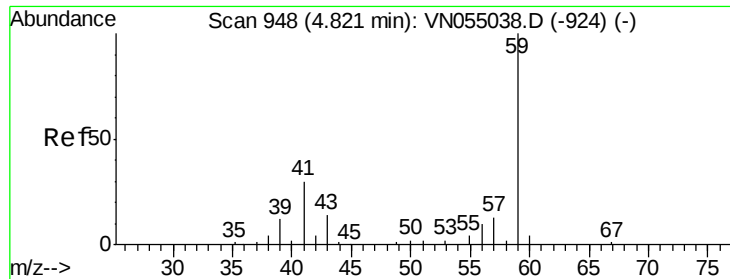


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

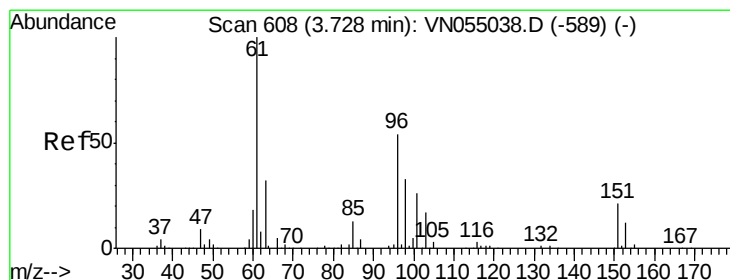
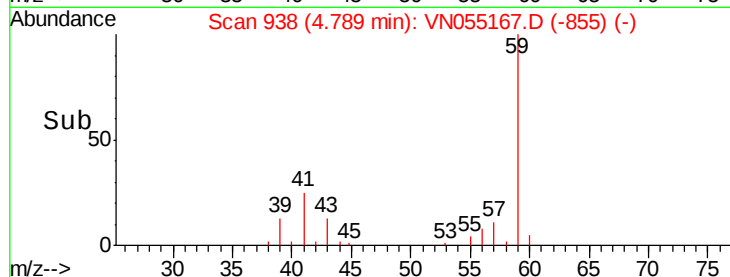
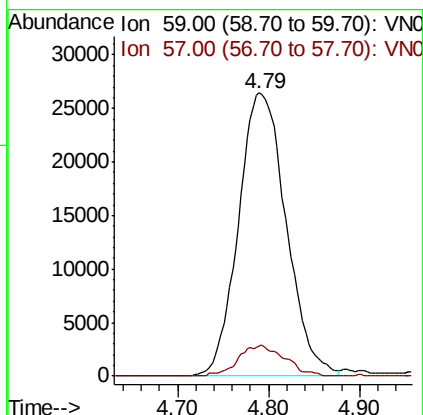
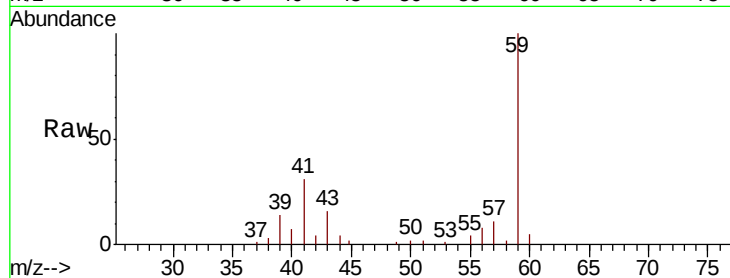




#11
Tert butyl alcohol
Concen: 269.327 ug/l
RT: 4.79 min Scan# 938
Delta R.T. -0.03 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

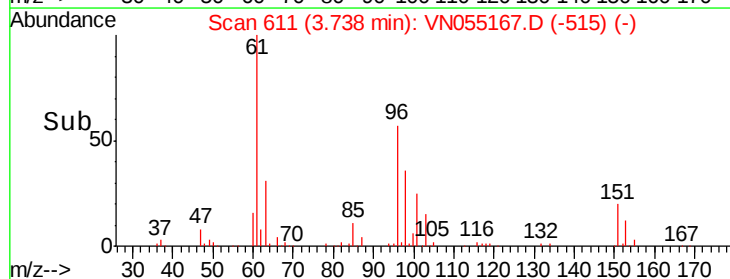
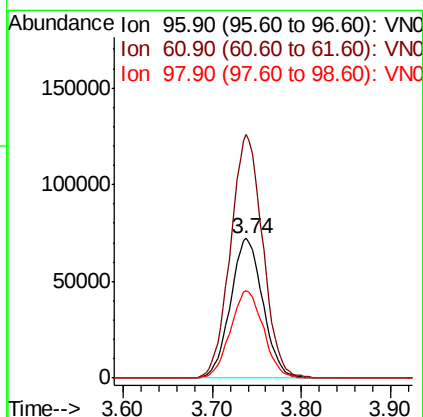
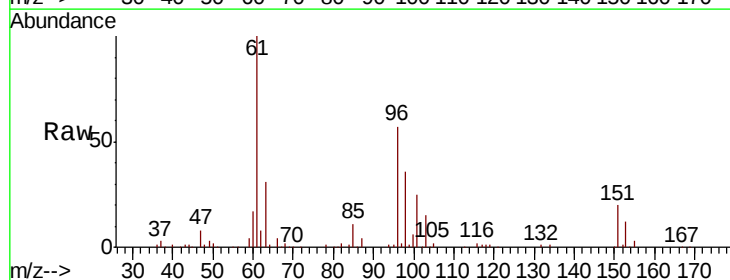
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

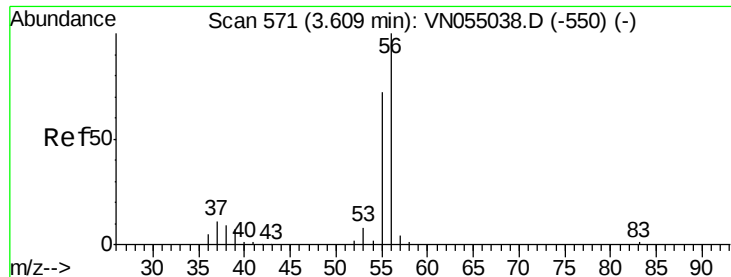
Tot Ion: 59 Resp: 96285
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5



#12
1,1-Dichloroethene
Concen: 46.646 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.01 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion: 96 Resp: 181660
Ion Ratio Lower Upper
96 100
61 174.2 154.2 231.4
98 63.0 52.9 79.3





#13

Acrolein

Concen: 189.442 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

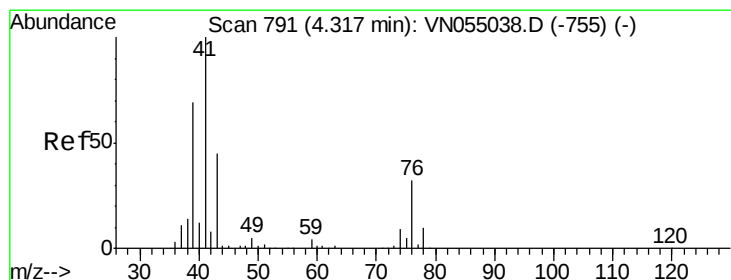
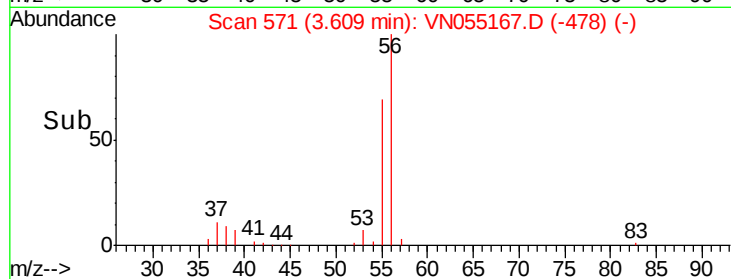
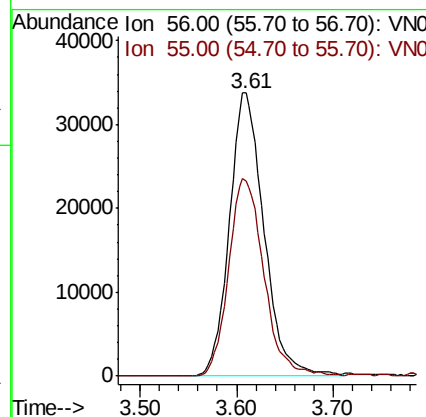
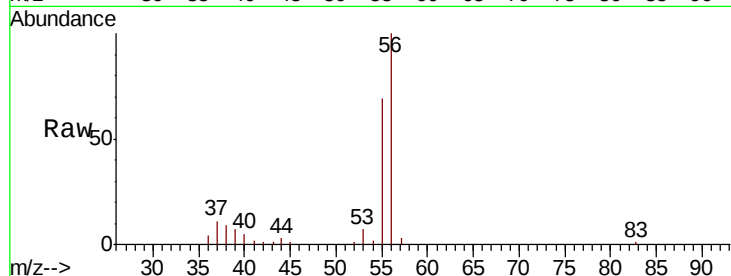
VSTDCCC050EC

Tot Ion: 56 Resp: 83713

Ion Ratio Lower Upper

56 100

55 70.5 59.5 89.3



#14

Allyl chloride

Concen: 38.351 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.01 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

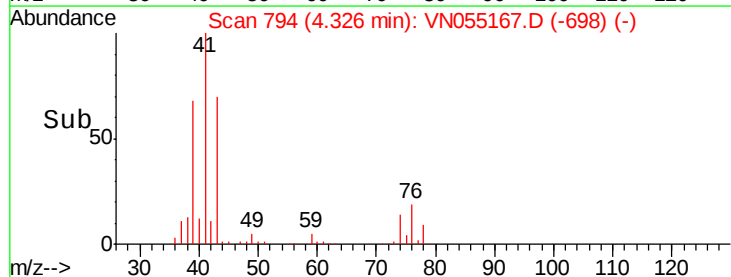
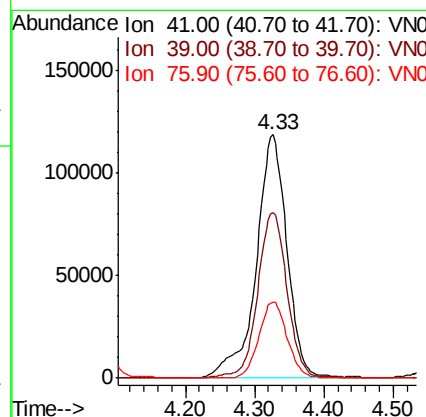
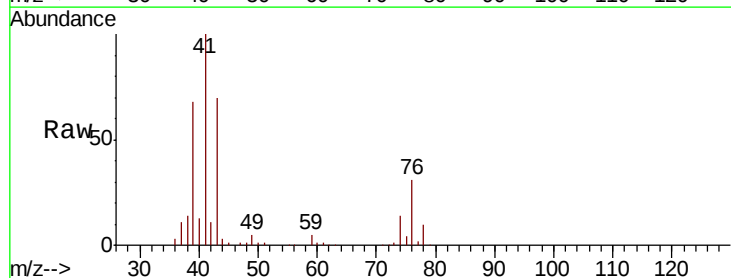
Tgt Ion: 41 Resp: 365590

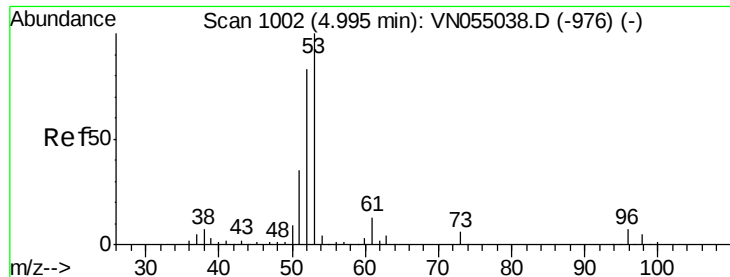
Ion Ratio Lower Upper

41 100

39 65.2 52.7 79.1

76 28.6 23.2 34.8





#15

Acrylonitrile

Concen: 222.094 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

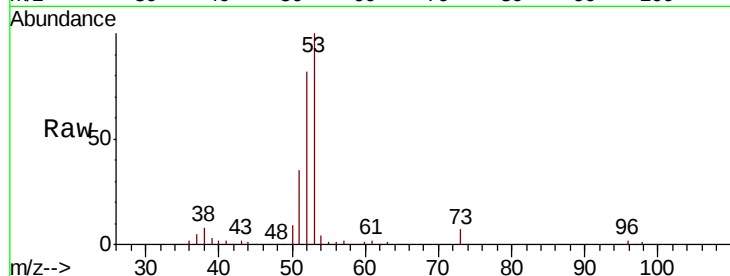
Tot Ion: 53 Resp: 475044

Ion Ratio Lower Upper

53 100

52 81.7 65.9 98.9

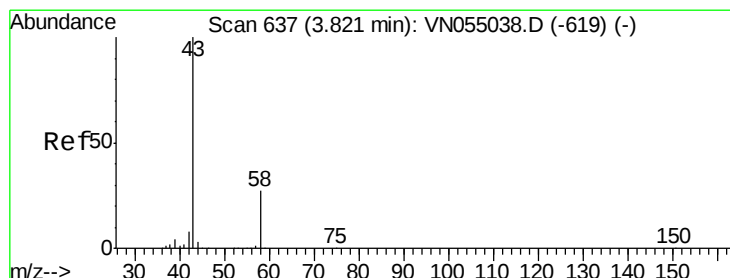
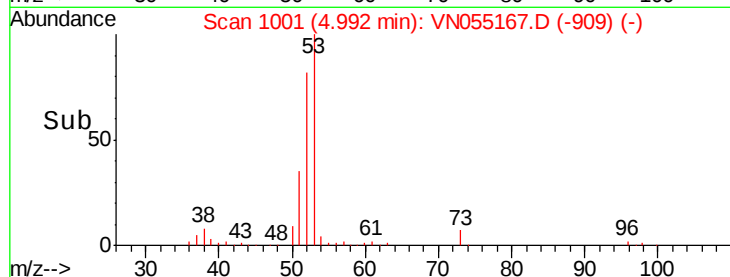
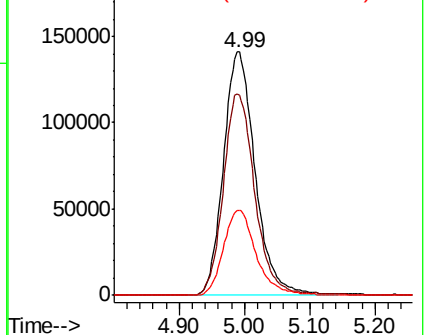
51 36.0 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 203.301 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055167.D

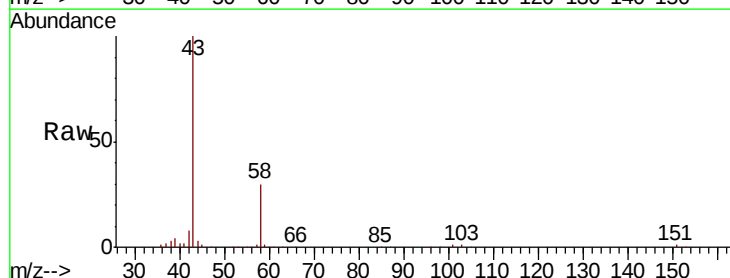
Acq: 20 Apr 2019 3:36

Tgt Ion: 43 Resp: 359888

Ion Ratio Lower Upper

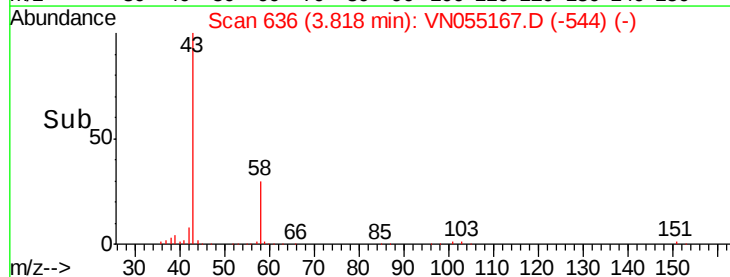
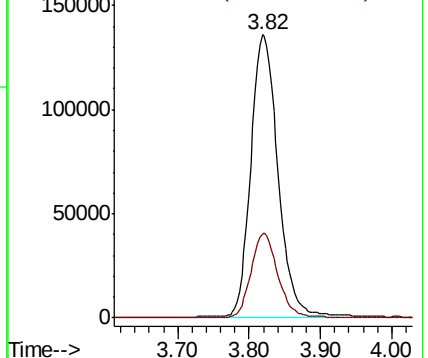
43 100

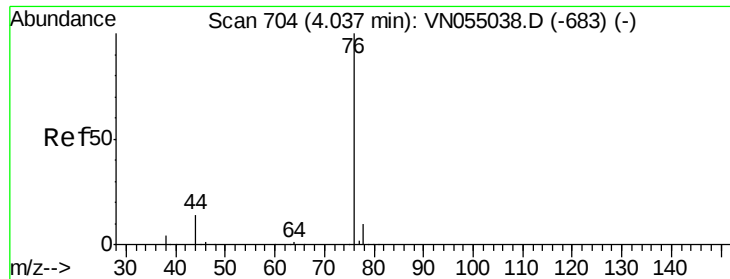
58 29.8 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

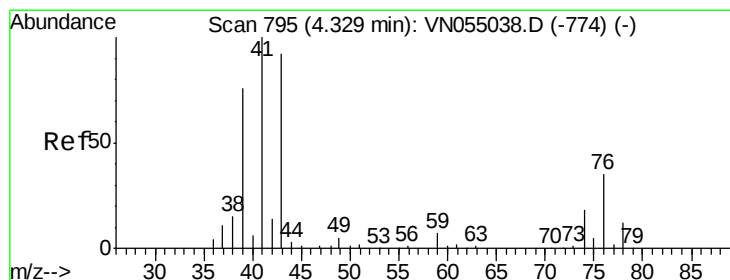
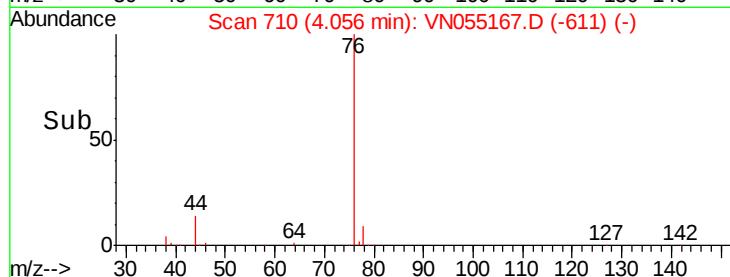
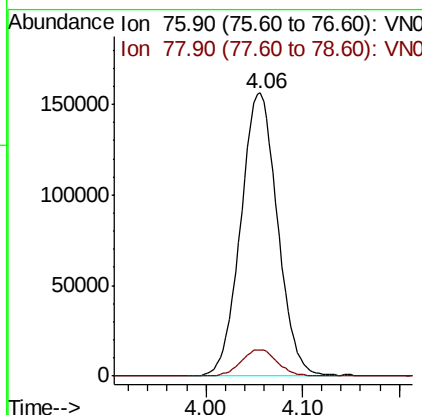
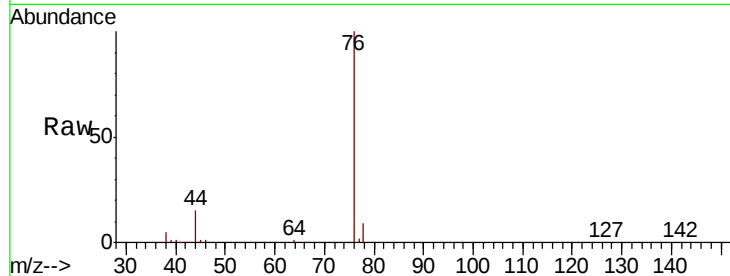




#17
Carbon Disulfide
Concen: 32.894 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.02 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

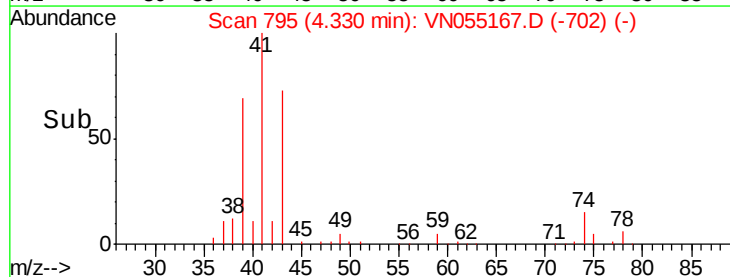
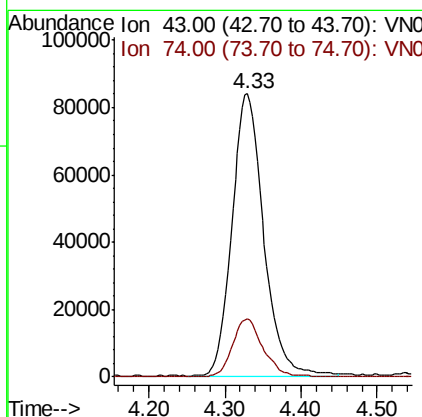
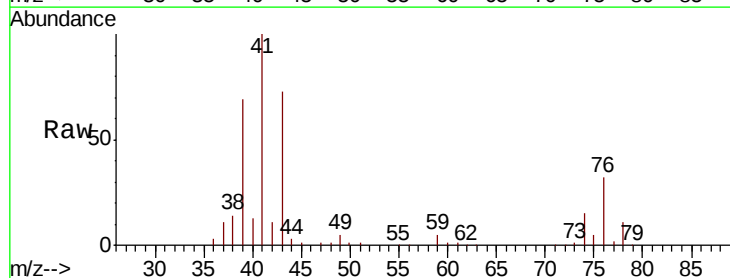
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

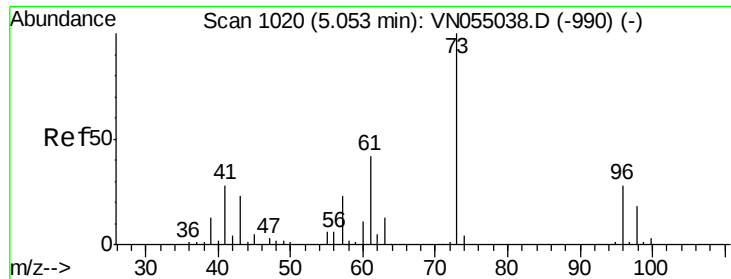
Tot Ion: 76 Resp: 413523
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8



#18
Methyl Acetate
Concen: 47.222 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion: 43 Resp: 241053
Ion Ratio Lower Upper
43 100
74 19.8 16.1 24.1

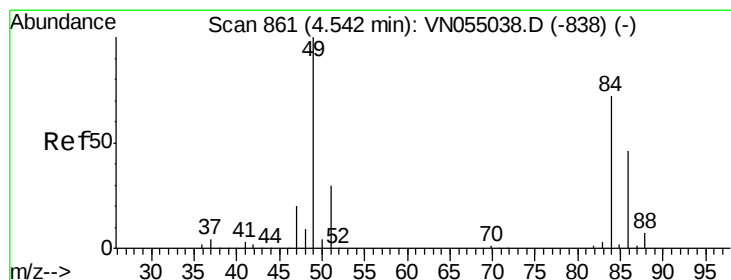
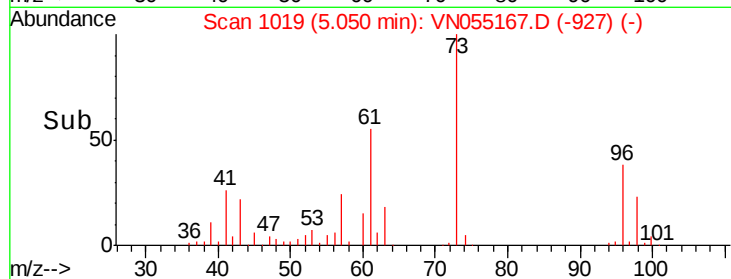
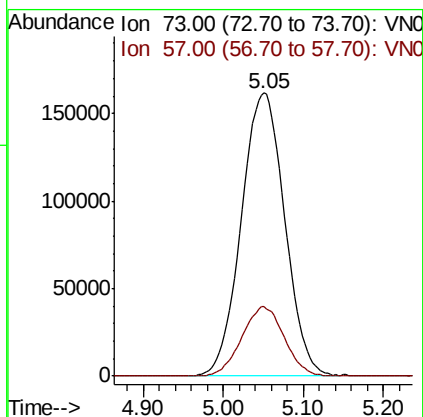
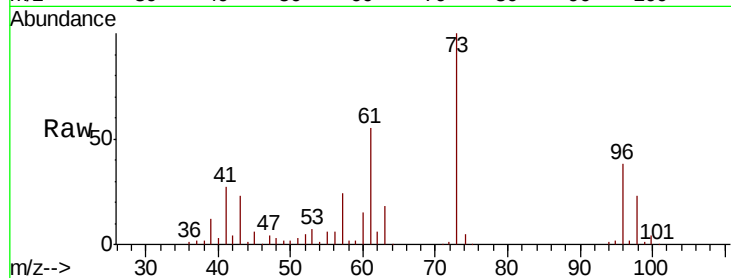




#19
Methvl tert-butvl Ether
Concen: 42.981 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

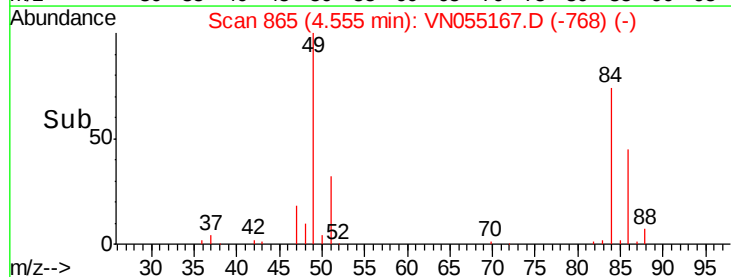
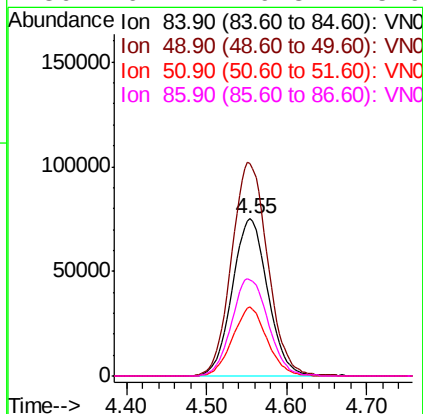
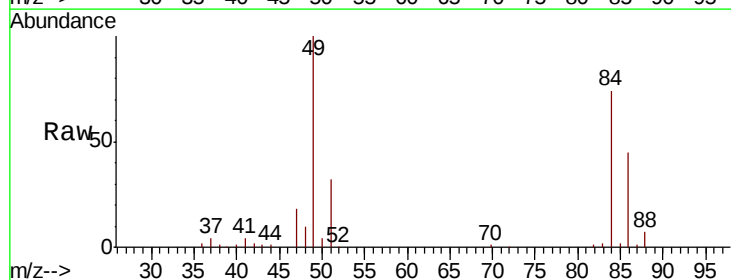
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

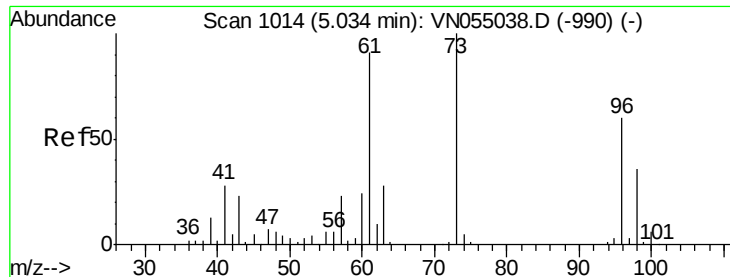
Tot Ion: 73 Resp: 598774
Ion Ratio Lower Upper
73 100
57 24.5 19.0 28.4



#20
Methylene Chloride
Concen: 36.337 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.01 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion: 84 Resp: 226121
Ion Ratio Lower Upper
84 100
49 135.5 109.4 164.2
51 43.9 32.2 48.4
86 61.4 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 36.809 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

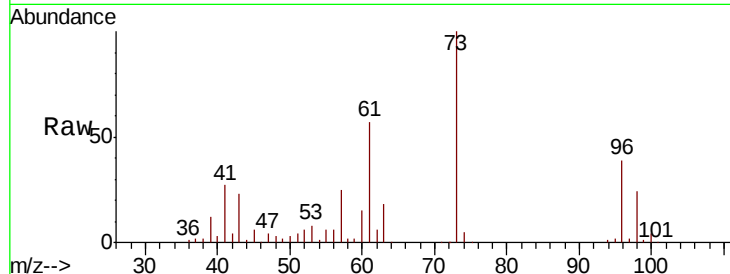
Tot Ion: 96 Resp: 193878

Ion Ratio Lower Upper

96 100

61 146.0 114.9 172.3

98 62.7 48.4 72.6

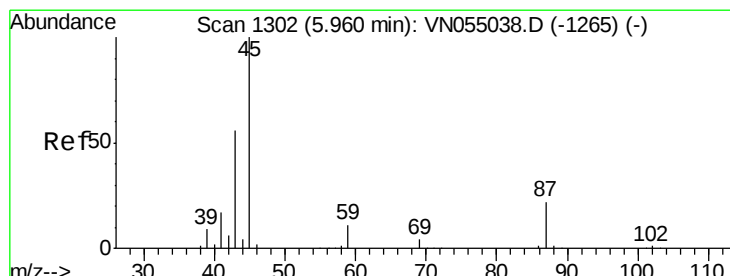
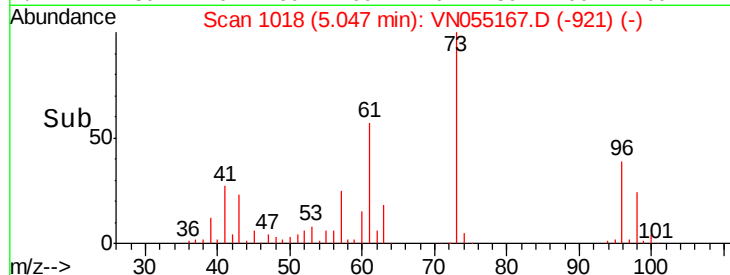
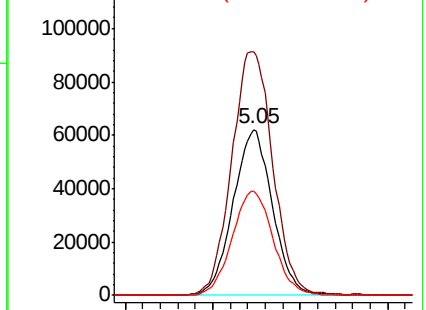


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 41.569 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.01 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Tgt Ion: 45 Resp: 814616

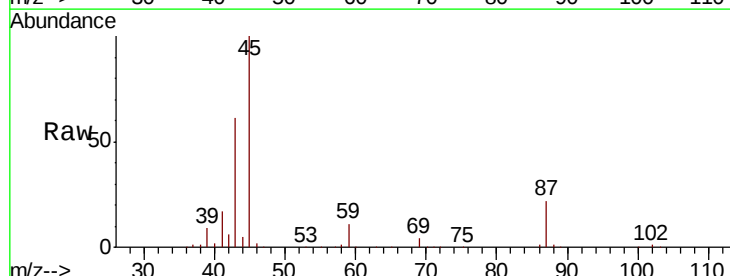
Ion Ratio Lower Upper

45 100

43 59.8 44.8 67.2

87 22.3 18.9 28.3

59 10.6 7.9 11.9



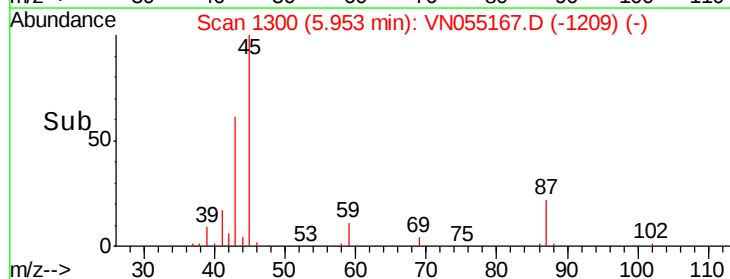
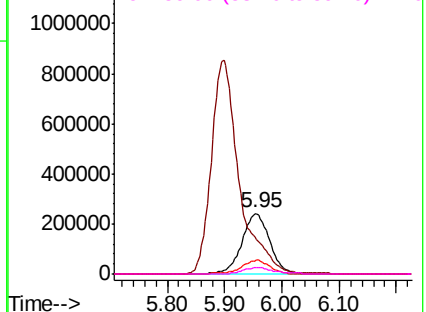
Abundance

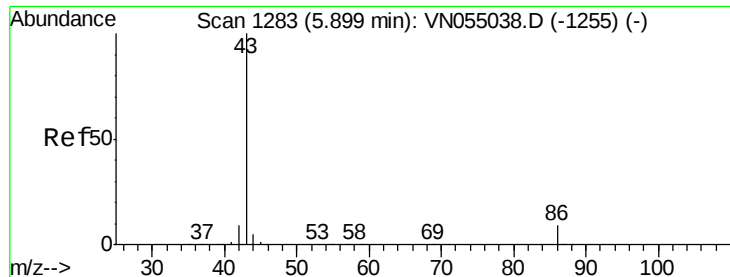
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

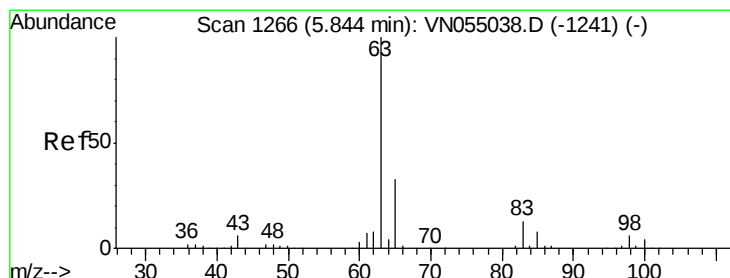
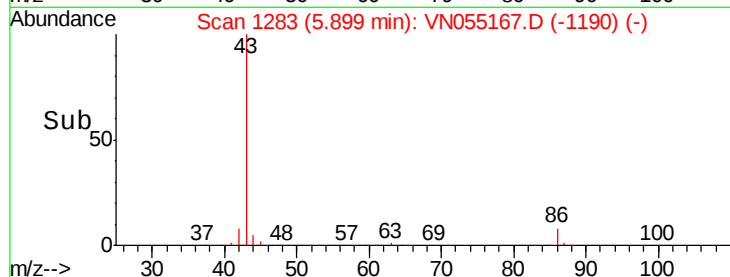
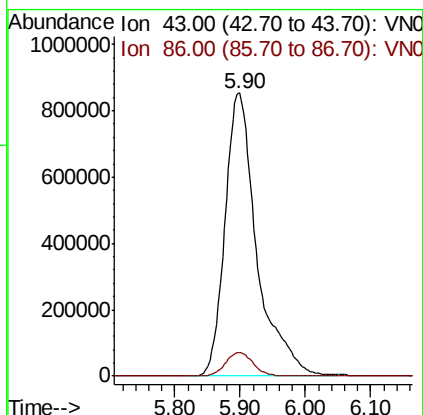
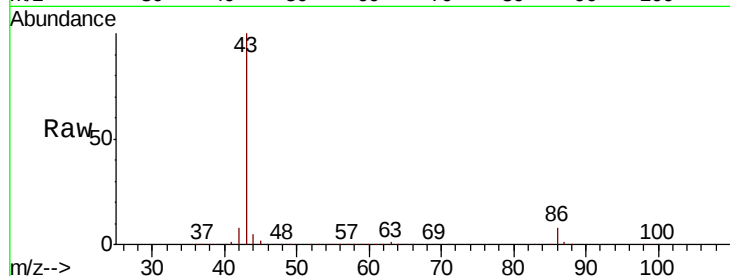




#23
 Vinyl Acetate
 Concen: 223.247 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

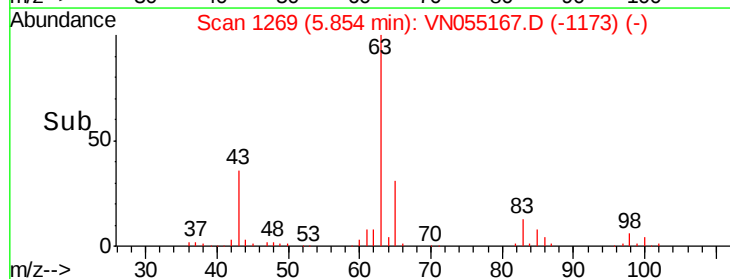
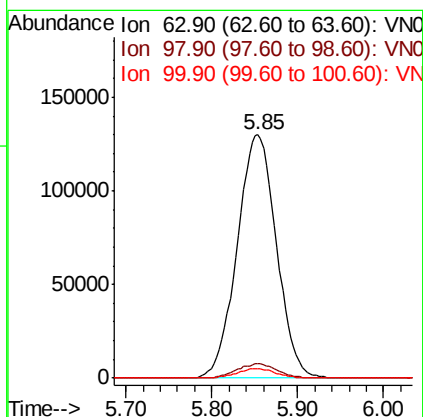
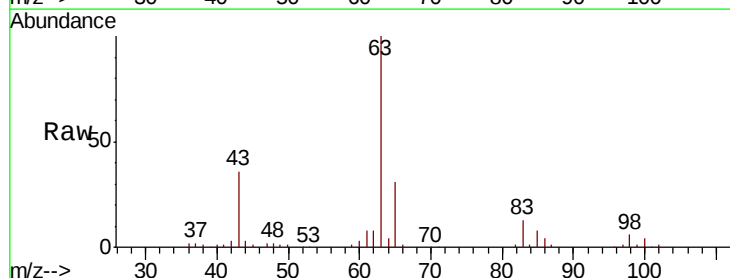
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

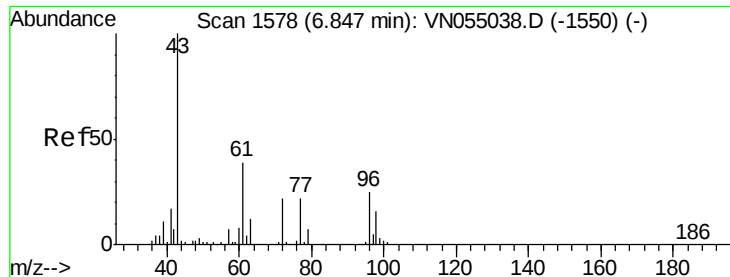
Tot Ion: 43 Resp: 2891718
 Ion Ratio Lower Upper
 43 100
 86 8.3 7.0 10.4



#24
 1,1-Dichloroethane
 Concen: 39.495 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Tgt Ion: 63 Resp: 412154
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.8 8.4
 100 4.0 2.0 5.8





#25

2-Butanone

Concen: 220.938 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.01 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

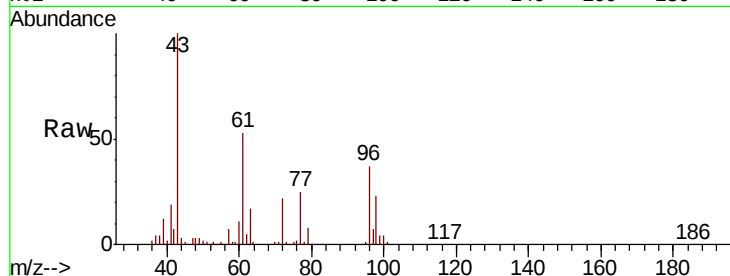
VSTDCCC050EC

Tot Ion: 43 Resp: 583728

Ion Ratio Lower Upper

43 100

72 22.3 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

200000

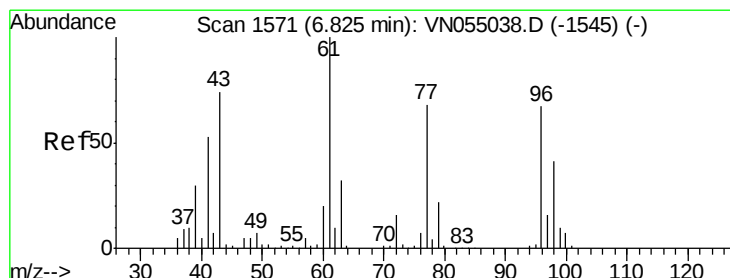
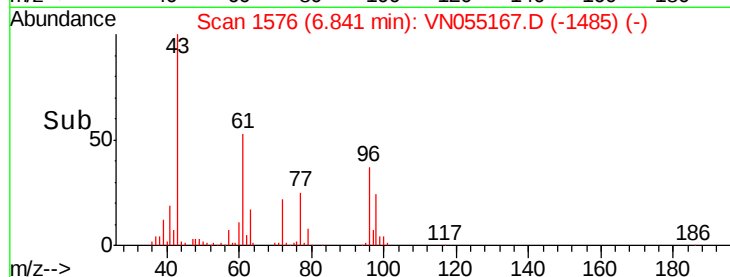
150000

100000

50000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 29.799 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055167.D

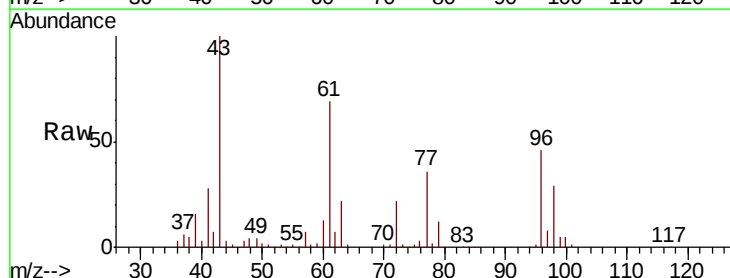
Acq: 20 Apr 2019 3:36

Tgt Ion: 77 Resp: 196268

Ion Ratio Lower Upper

77 100

97 24.0 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.83

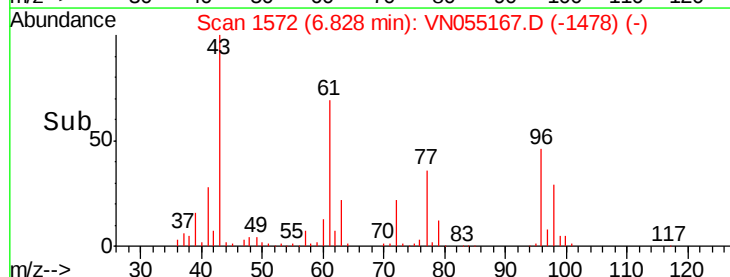
60000

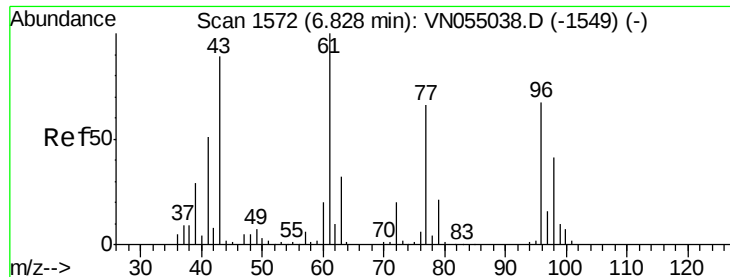
40000

20000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 39.398 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

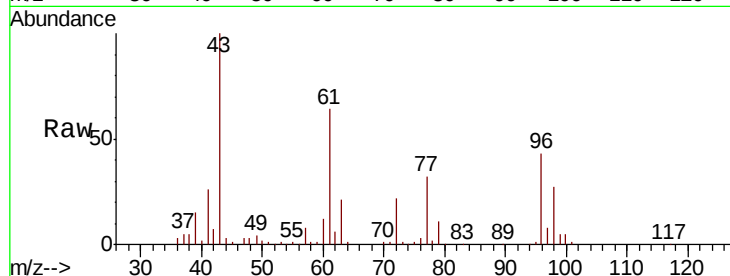
Tot Ion: 96 Resp: 234774

Ion Ratio Lower Upper

96 100

61 148.4 0.0 311.0

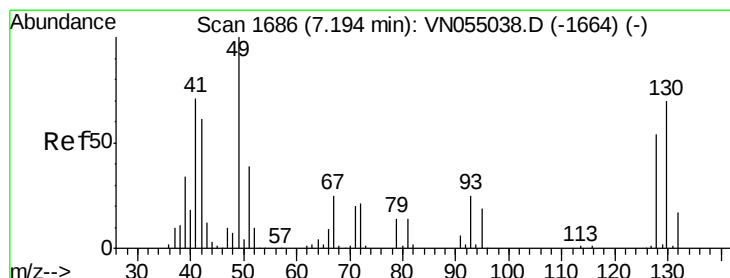
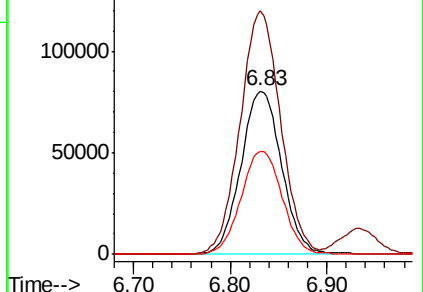
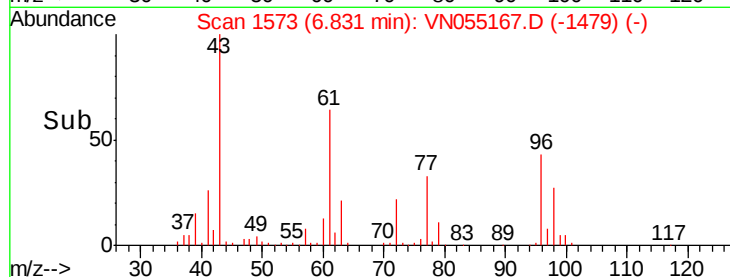
98 64.1 0.0 127.4



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: 40.240 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

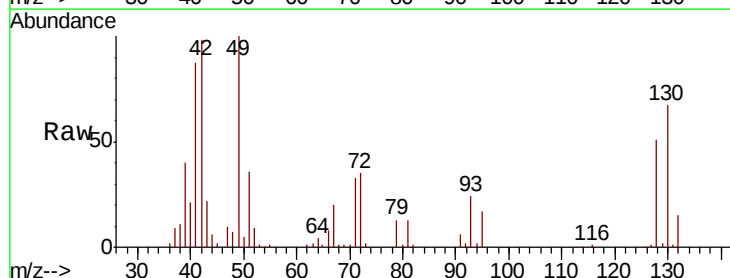
Tgt Ion: 49 Resp: 202424

Ion Ratio Lower Upper

49 100

129 1.8 0.0 2.0

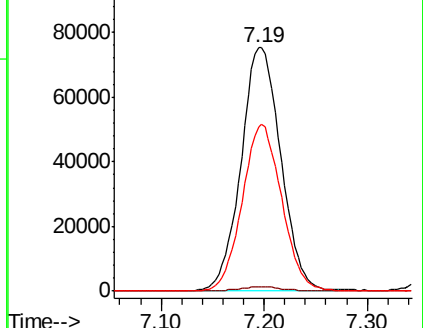
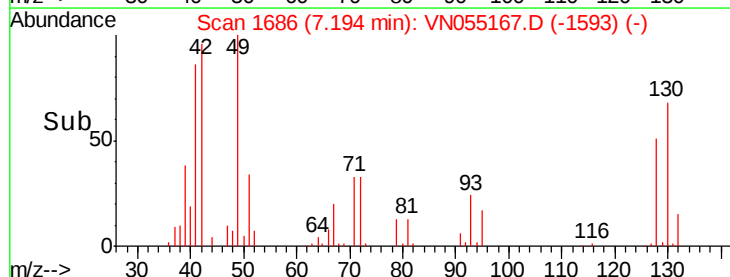
130 67.7 53.4 80.2

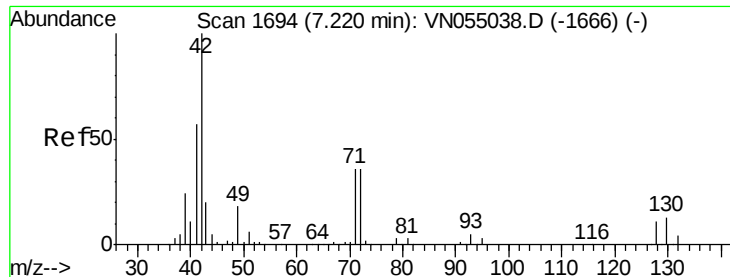


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

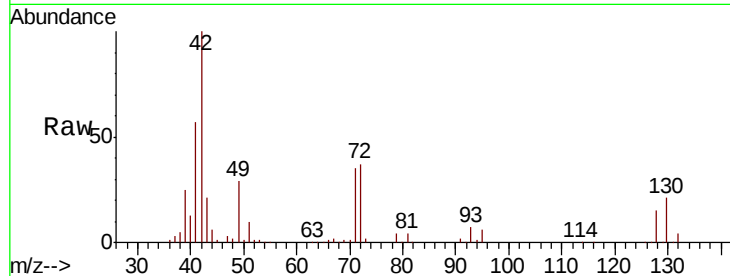




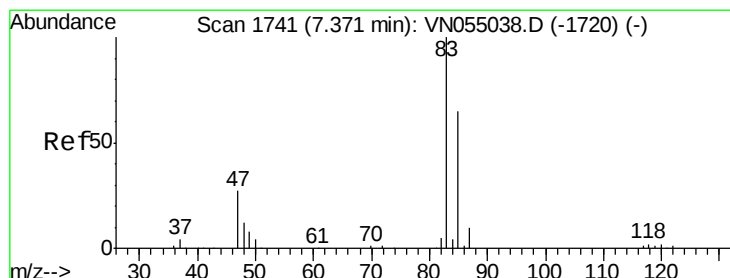
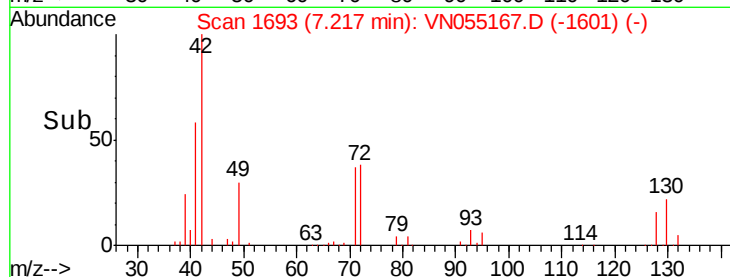
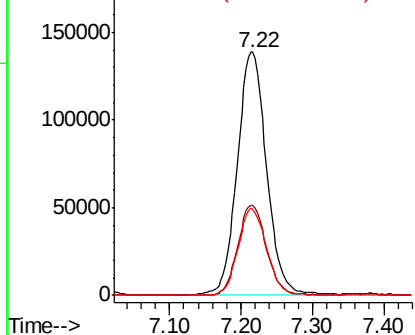
#29
Tetrahydrofuran
Concen: 228.161 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 395304
Ion Ratio Lower Upper
42 100
72 36.6 29.4 44.0
71 35.0 27.8 41.6

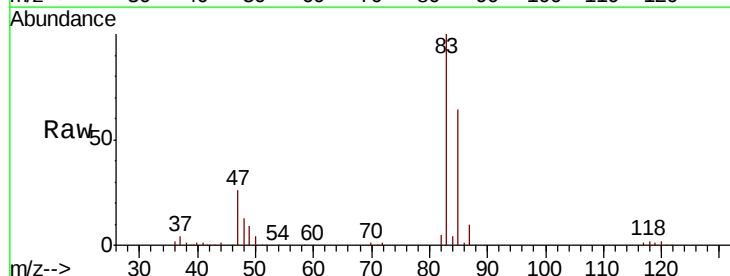


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

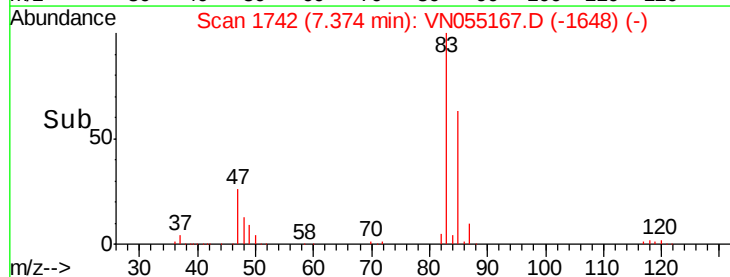
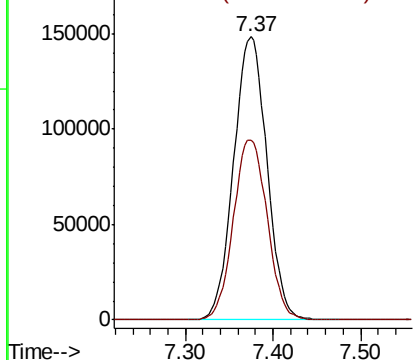


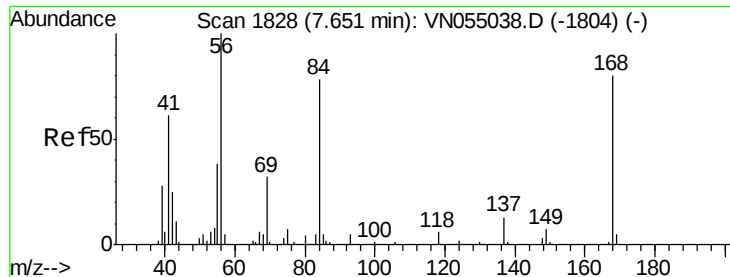
#30
Chloroform
Concen: 38.746 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion: 83 Resp: 392753
Ion Ratio Lower Upper
83 100
85 63.6 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 37.203 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

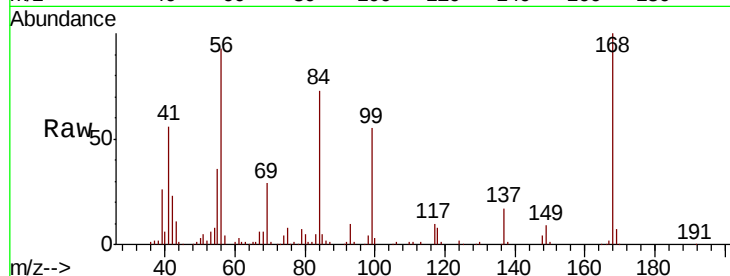
Tot Ion: 56 Resp: 346192

Ion Ratio Lower Upper

56 100

69 31.3 24.5 36.7

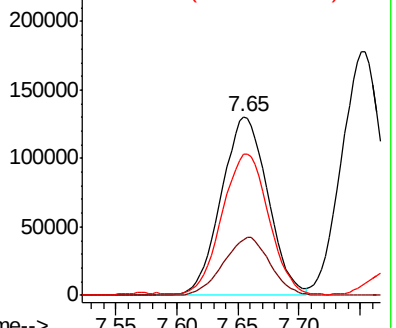
84 77.6 62.9 94.3



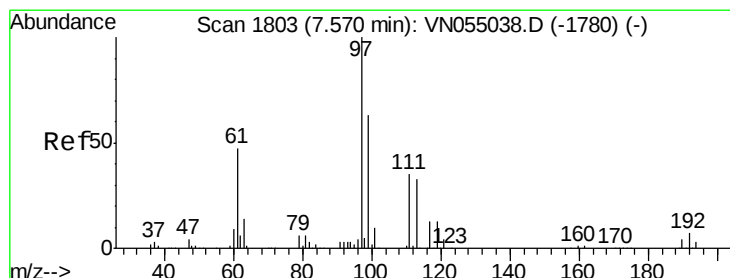
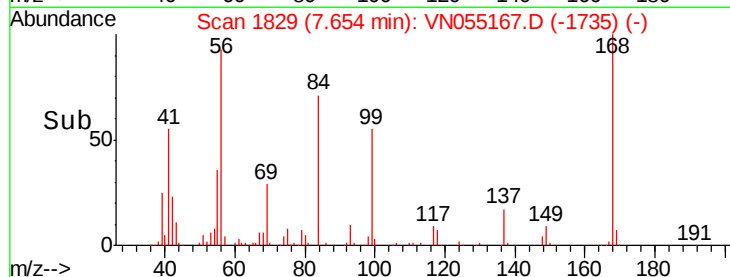
Abundance Ion 56.00 (55.70 to 56.70): VN055038.D (-1804) (-)

Ion 69.00 (68.70 to 69.70): VN055038.D (-1804) (-)

Ion 84.00 (83.70 to 84.70): VN055038.D (-1804) (-)



Time-->



#32

1,1,1-Trichloroethane

Concen: 40.272 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

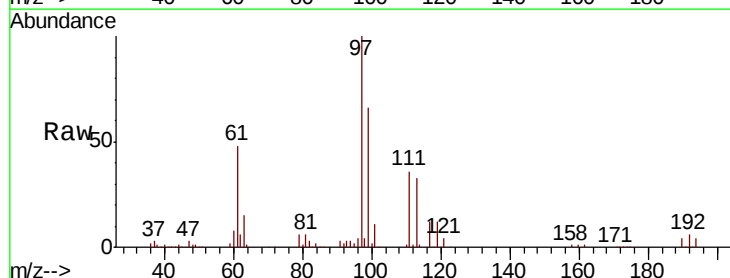
Tgt Ion: 97 Resp: 323420

Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

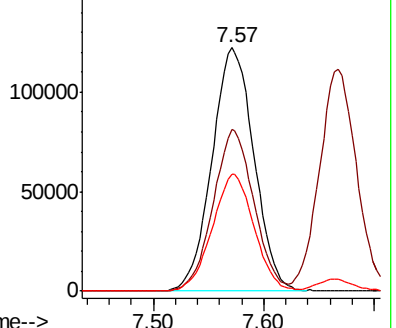
61 47.8 38.3 57.5



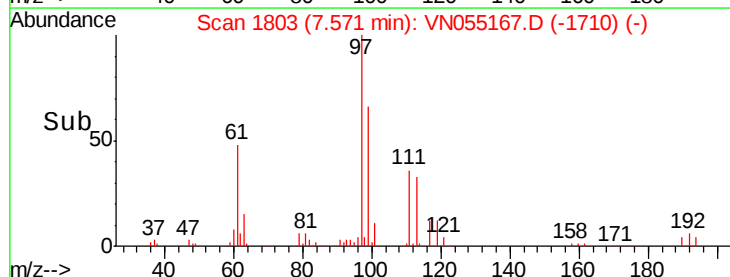
Abundance Ion 96.90 (96.60 to 97.60): VN055038.D (-1780) (-)

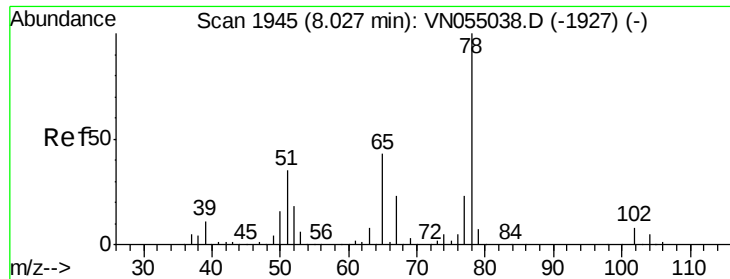
Ion 98.90 (98.60 to 99.60): VN055038.D (-1780) (-)

Ion 60.90 (60.60 to 61.60): VN055038.D (-1780) (-)



Time-->





#33

1,2-Dichloroethane-d4

Concen: 47.153 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

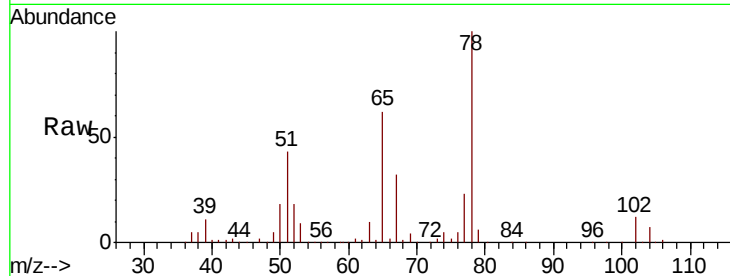
VSTDCCC050EC

Tot Ion: 65 Resp: 307539

Ion Ratio Lower Upper

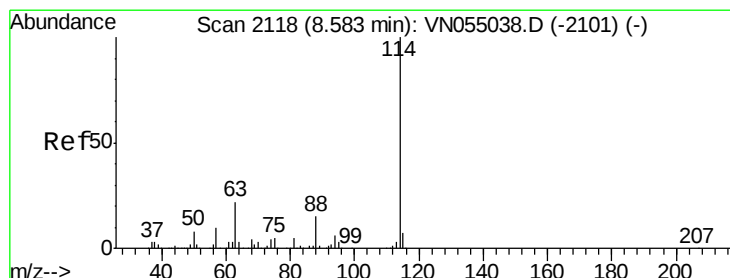
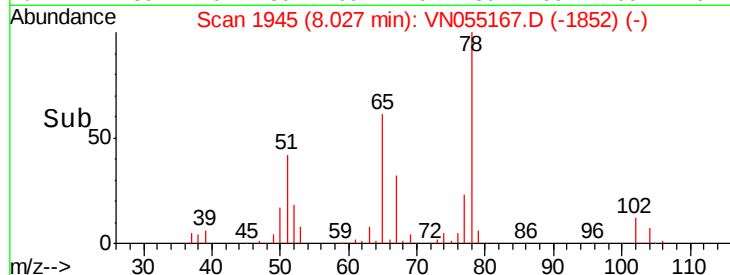
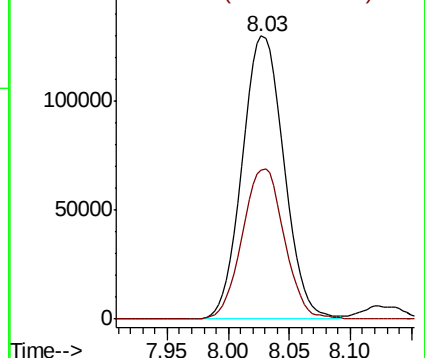
65 100

67 53.4 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VN055167.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN055167.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

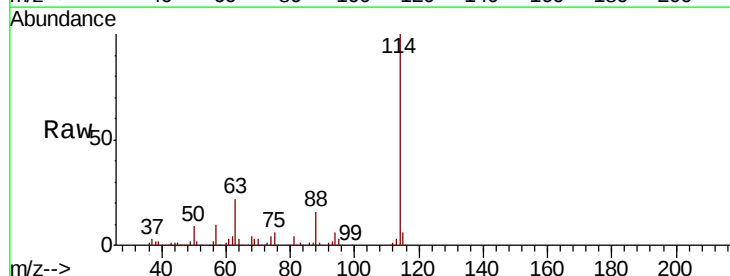
Tgt Ion: 114 Resp: 759549

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.2

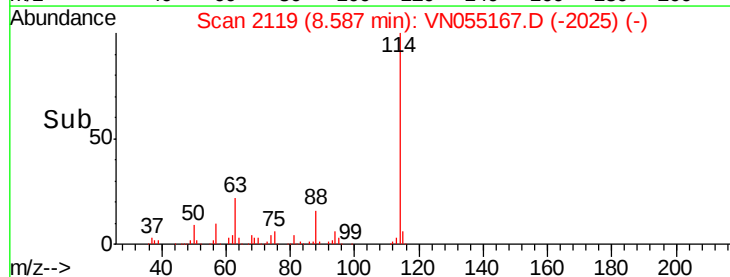
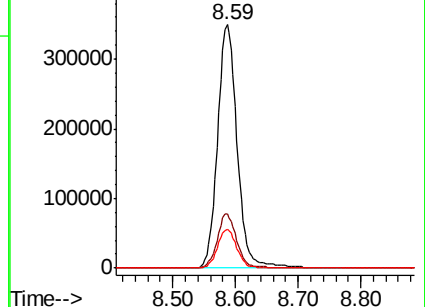
88 15.8 0.0 31.8

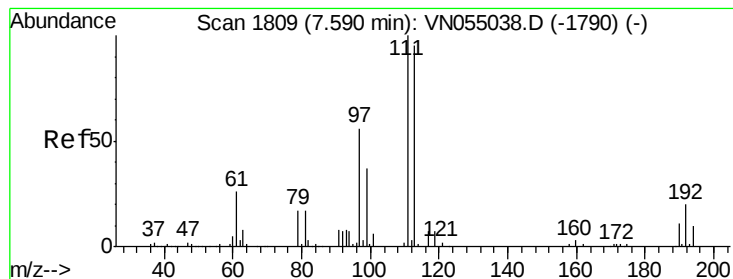


Abundance Ion 113.90 (113.60 to 114.60): VN055167.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN055167.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN055167.D (-2025) (-)





#35

Dibromofluoromethane

Concen: 49.415 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

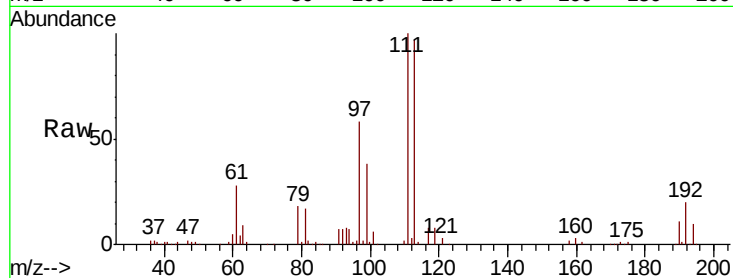
Tot Ion:113 Resp: 250835

Ion Ratio Lower Upper

113 100

111 103.6 82.1 123.1

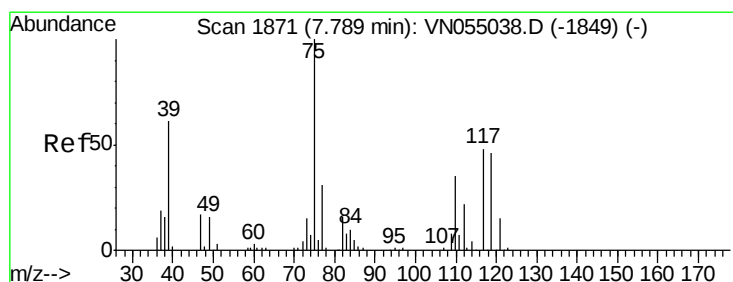
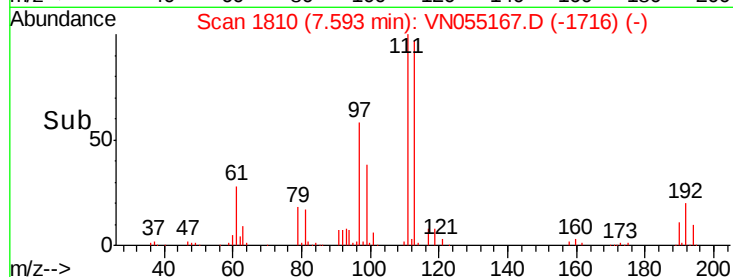
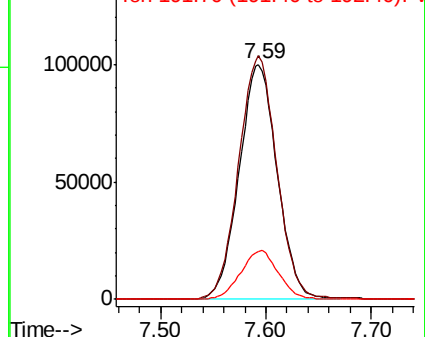
192 20.6 16.5 24.7



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: 38.953 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.01 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

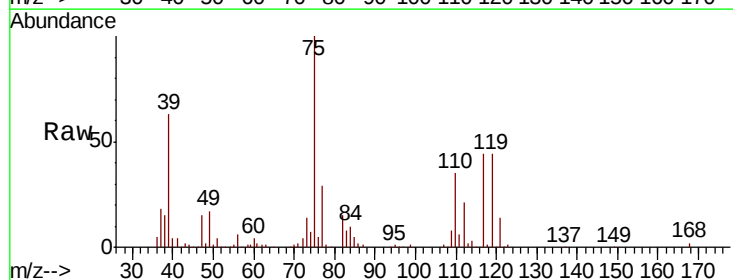
Tgt Ion: 75 Resp: 278908

Ion Ratio Lower Upper

75 100

110 34.5 17.5 52.5

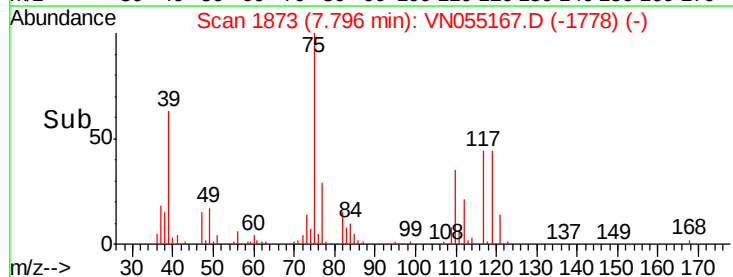
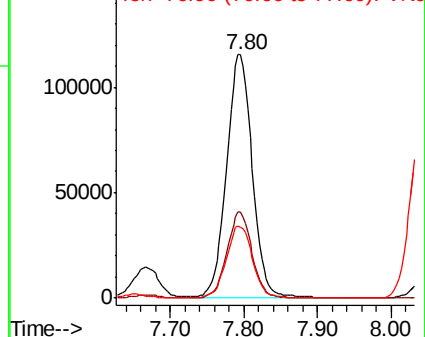
77 30.5 24.9 37.3

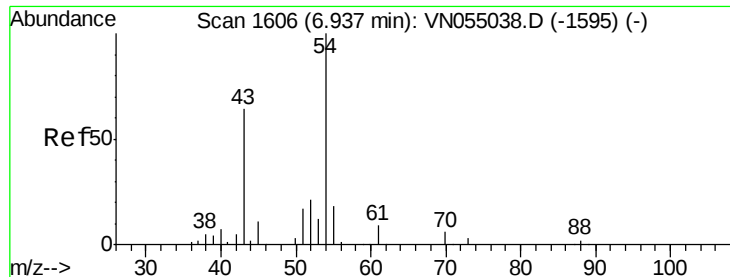


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

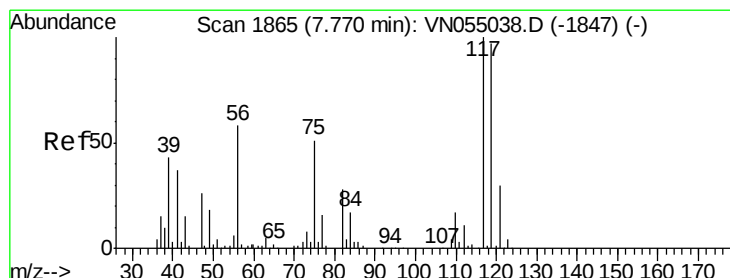
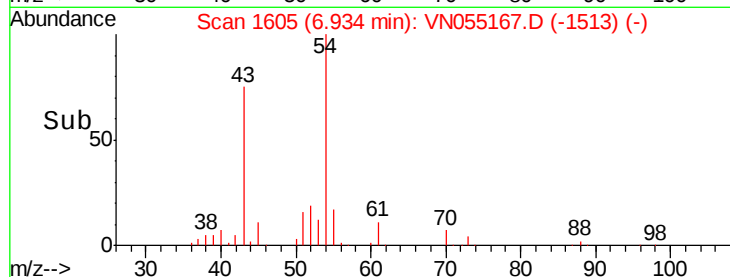
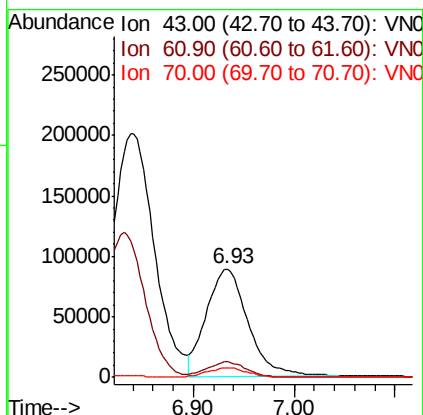
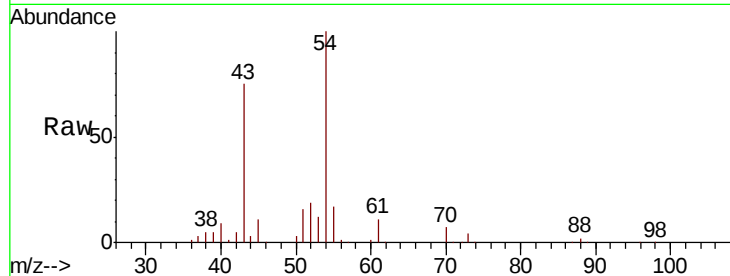




#37
Ethyl Acetate
Concen: 43.579 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

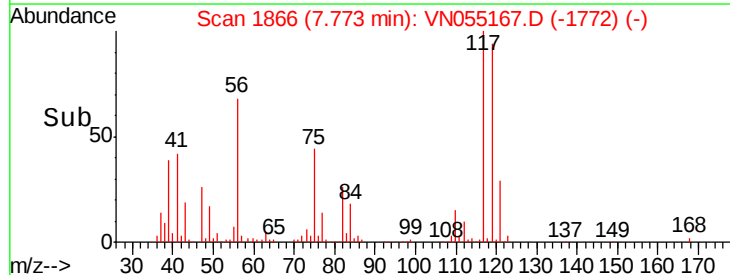
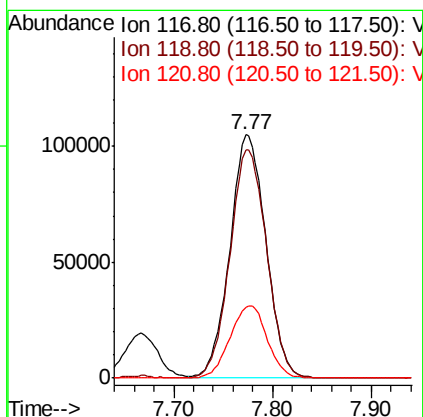
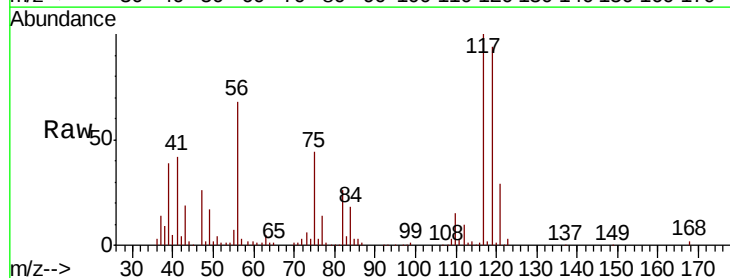
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

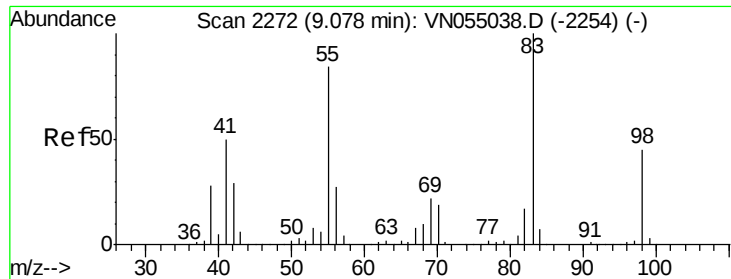
Tot Ion: 43 Resp: 254032
Ion Ratio Lower Upper
43 100
61 13.6 10.0 15.0
70 9.0 7.1 10.7



#38
Carbon Tetrachloride
Concen: 39.196 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion: 117 Resp: 267010
Ion Ratio Lower Upper
117 100
119 93.5 76.3 114.5
121 29.1 23.9 35.9

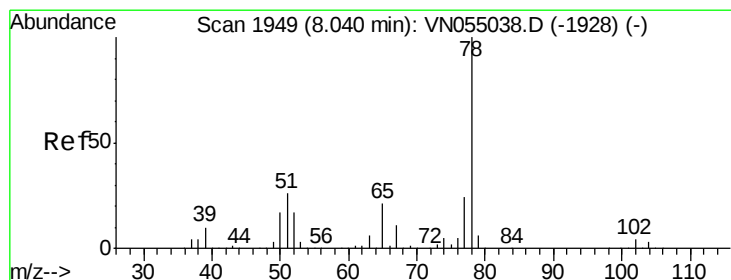
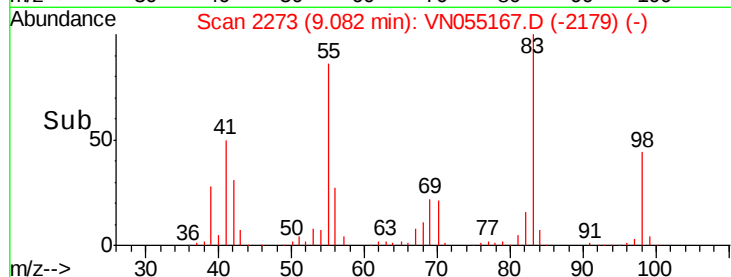
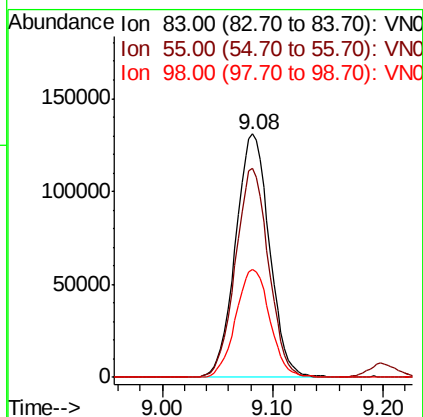
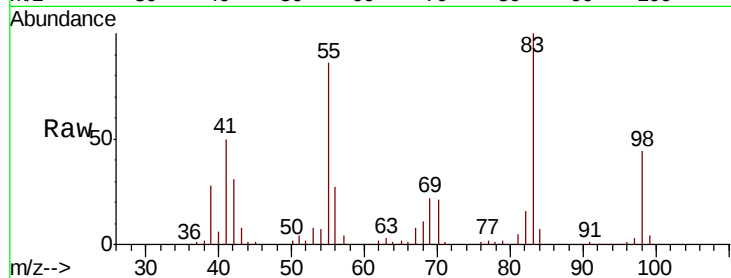




#39
Methvlcvclohexane
Concen: 35.902 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

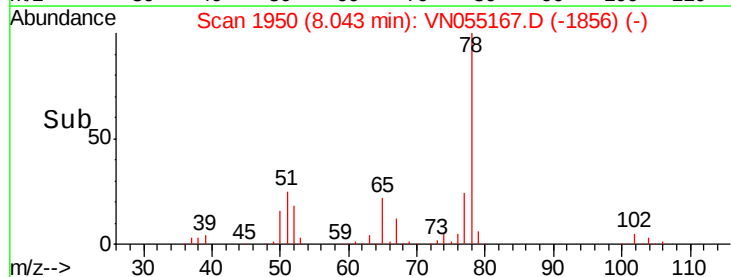
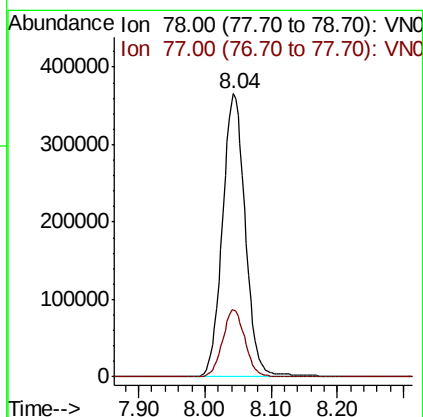
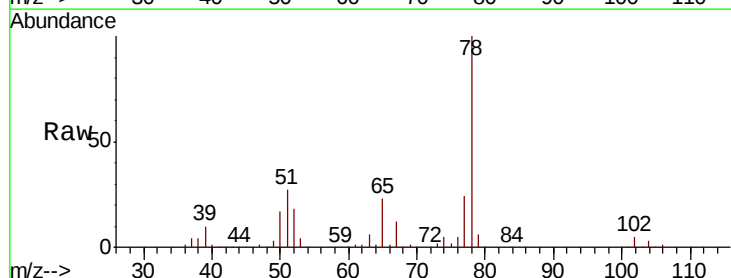
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

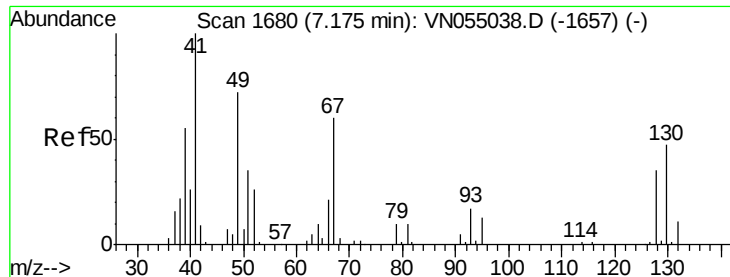
Tot Ion: 83 Resp: 278559
Ion Ratio Lower Upper
83 100
55 85.9 67.0 100.4
98 44.2 35.6 53.4



#40
Benzene
Concen: 40.592 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion: 78 Resp: 875965
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2





#41

Methacrylonitrile

Concen: 45.915 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 148572

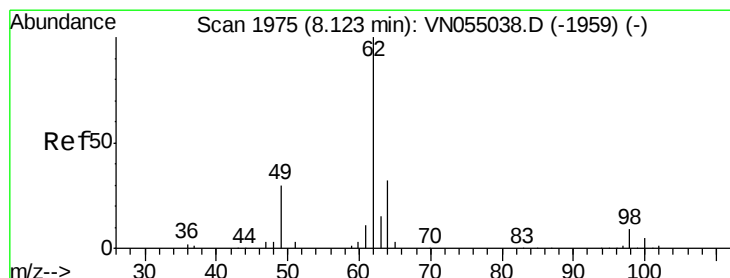
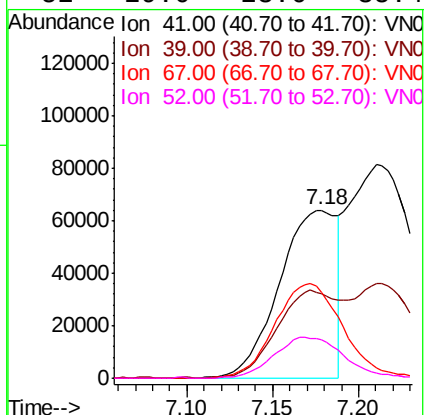
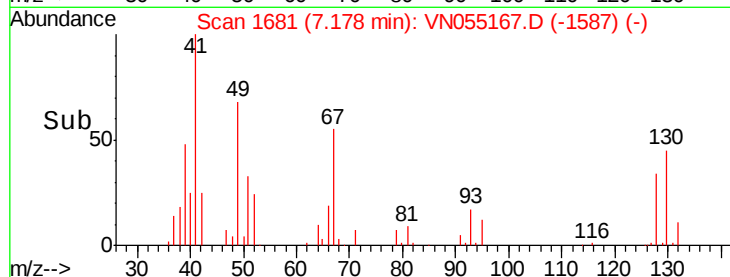
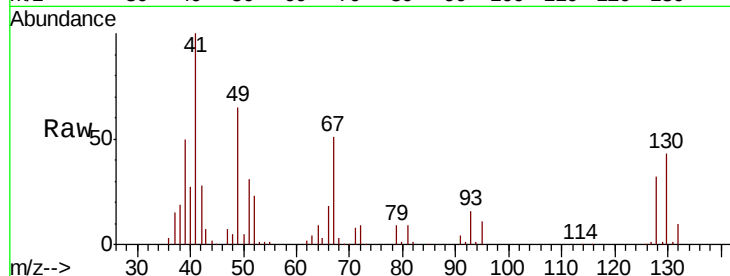
Ion Ratio Lower Upper

41 100

39 52.3 45.6 68.4

67 67.4 57.0 85.6

52 29.0 23.6 35.4



#42

1,2-Dichloroethane

Concen: 41.438 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN055167.D

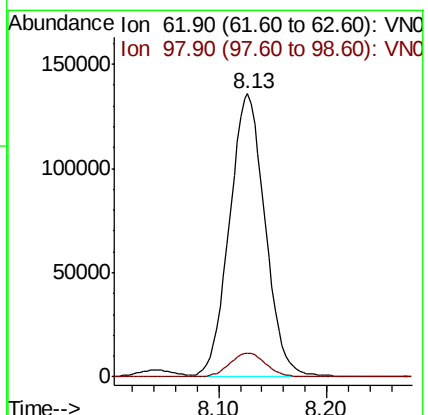
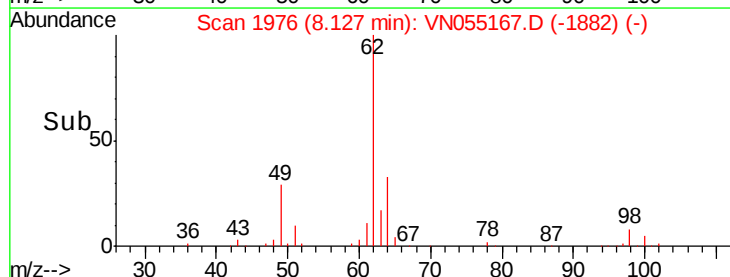
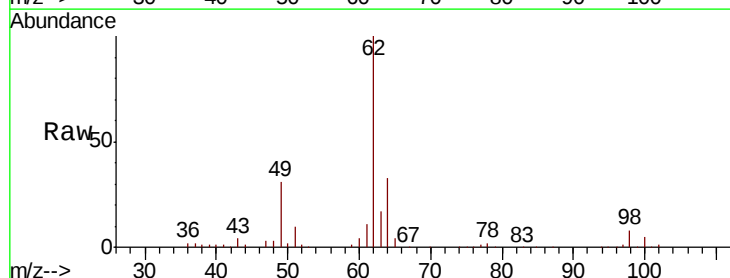
Acq: 20 Apr 2019 3:36

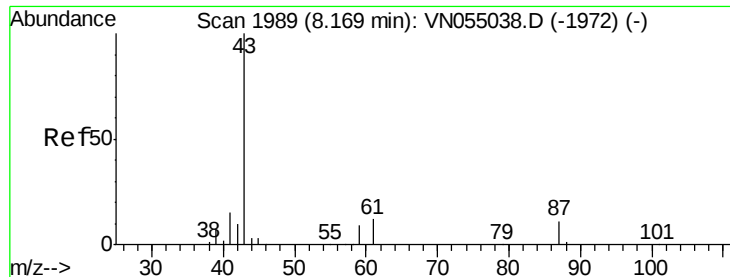
Tgt Ion: 62 Resp: 310468

Ion Ratio Lower Upper

62 100

98 8.6 0.0 17.4



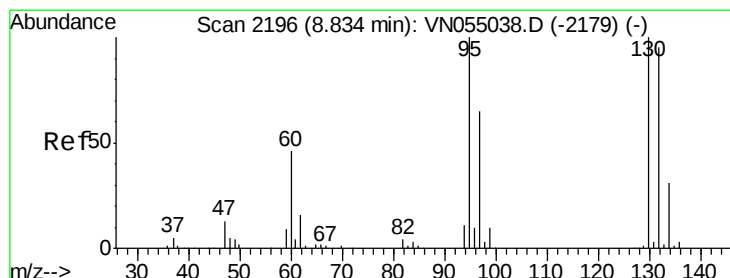
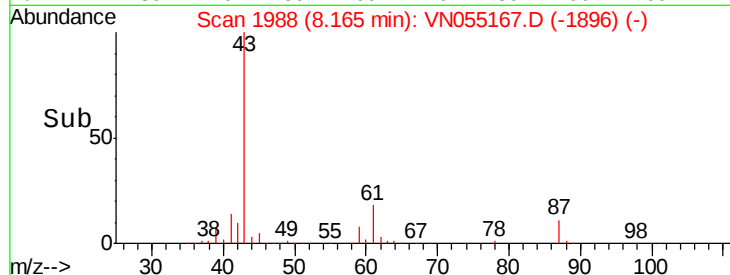
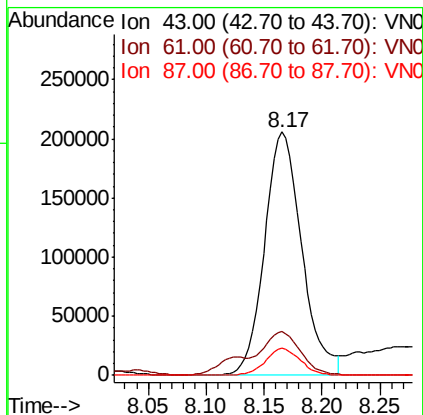
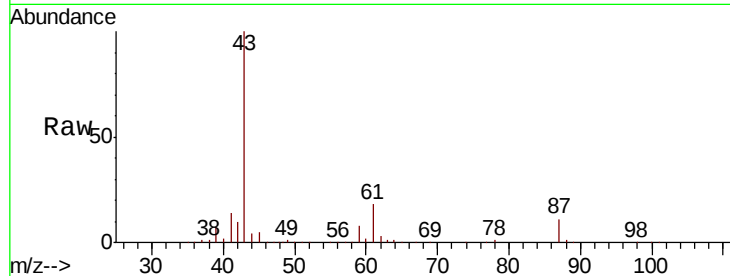


#43

Isopropyl Acetate
 Concen: 50.940 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

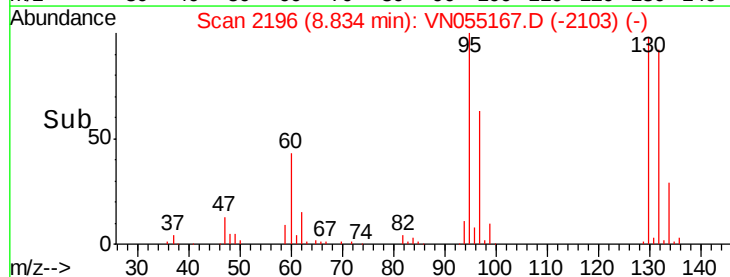
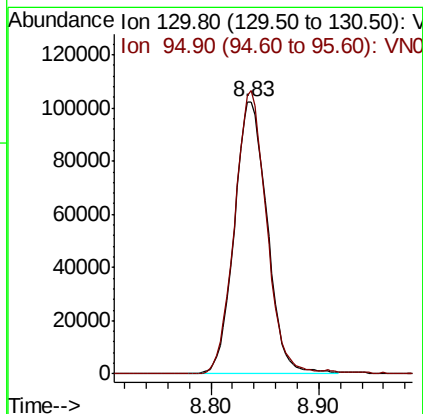
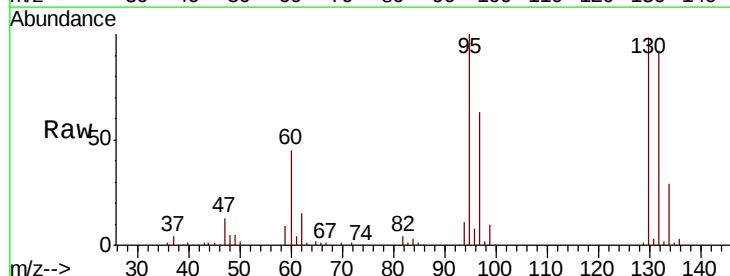
Tot Ion: 43 Resp: 457548
 Ion Ratio Lower Upper
 43 100
 61 17.3 14.3 21.5
 87 10.6 8.6 13.0

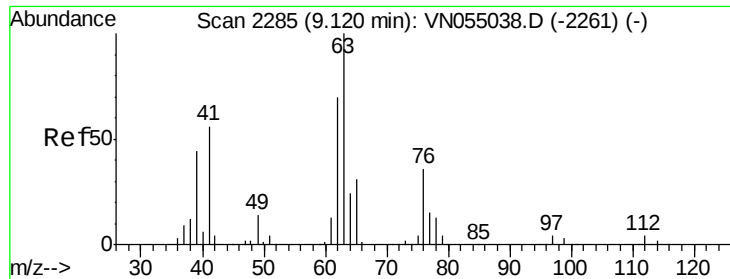


#44

Trichloroethene
 Concen: 40.315 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Tgt Ion:130 Resp: 217909
 Ion Ratio Lower Upper
 130 100
 95 102.3 0.0 201.6

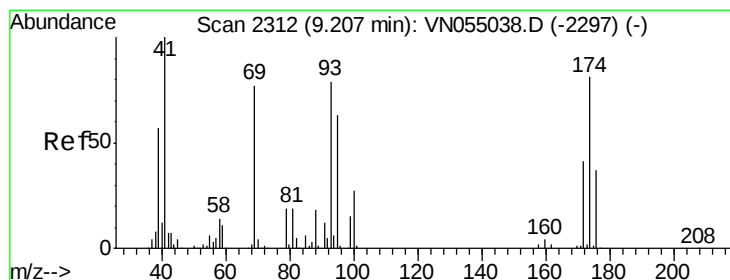
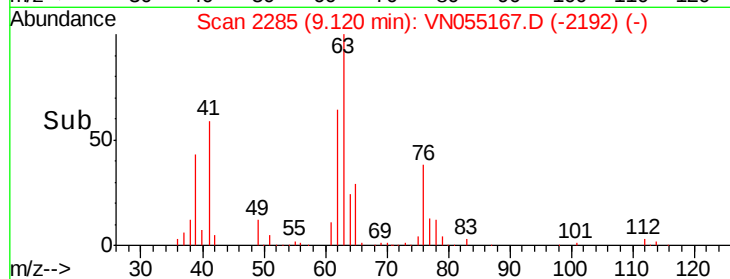
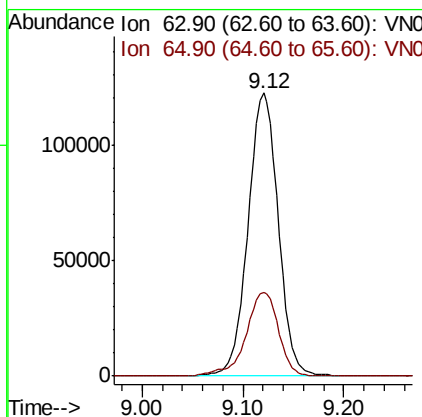
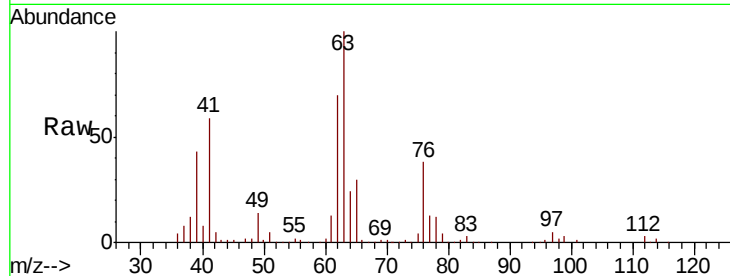




#45
 1,2-Dichloropropane
 Concen: 42.000 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

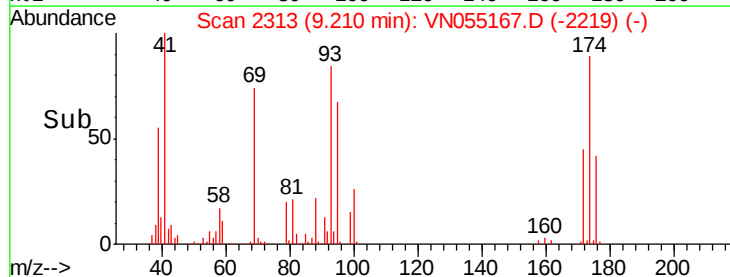
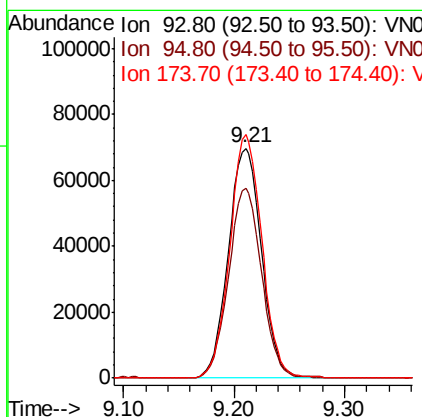
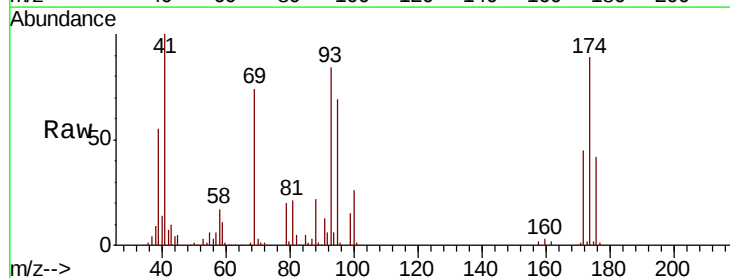
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

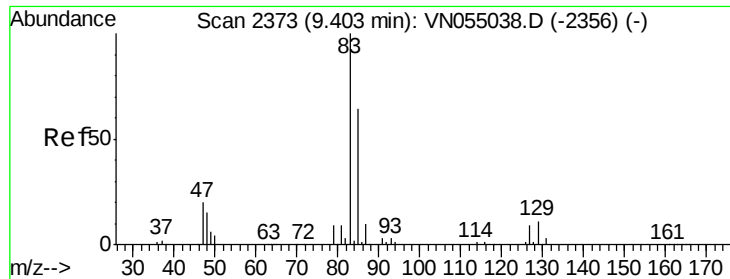
Tot Ion: 63 Resp: 252769
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.4 36.6



#46
 Dibromomethane
 Concen: 42.555 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Tgt Ion: 93 Resp: 145775
 Ion Ratio Lower Upper
 93 100
 95 82.0 65.0 97.6
 174 102.5 81.0 121.6





#47

Bromodichloromethane

Concen: 42.455 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

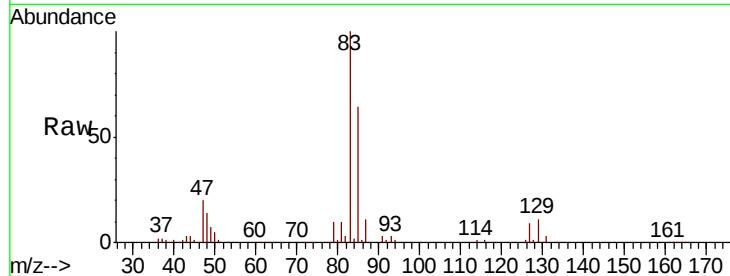
Tot Ion: 83 Resp: 299838

Ion Ratio Lower Upper

83 100

85 63.7 51.2 76.8

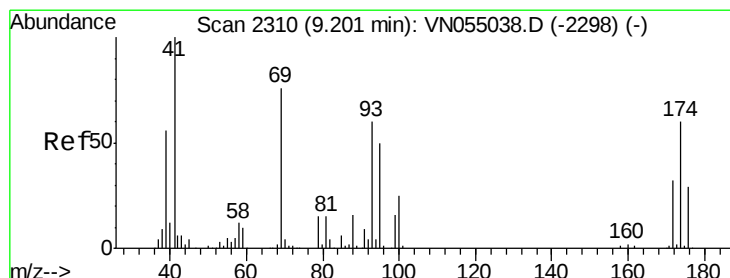
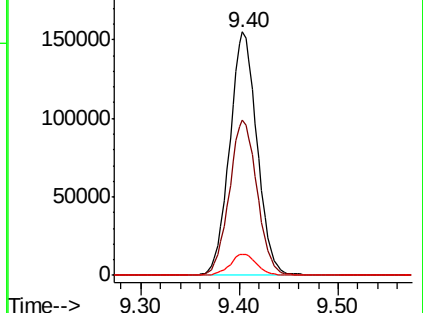
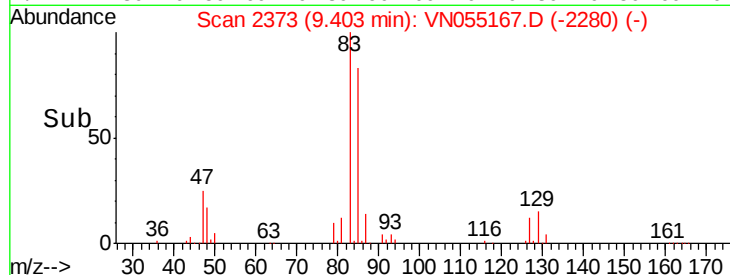
127 8.8 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN055167.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055167.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055167.D (-2280) (-)



#48

Methyl methacrylate

Concen: 47.478 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

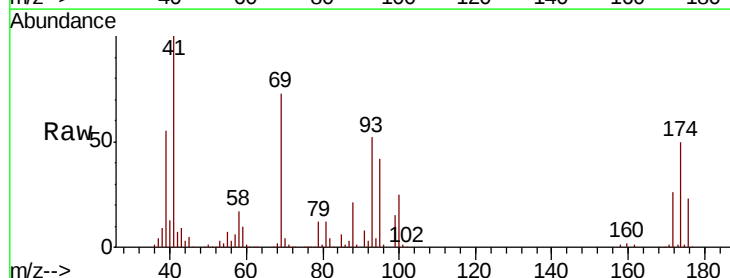
Tgt Ion: 41 Resp: 211371

Ion Ratio Lower Upper

41 100

69 76.9 60.5 90.7

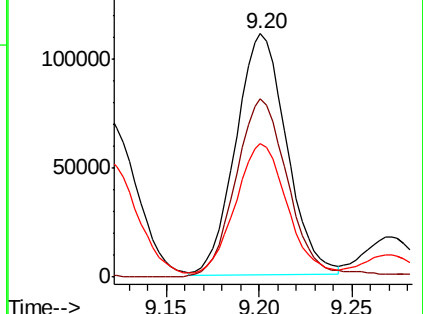
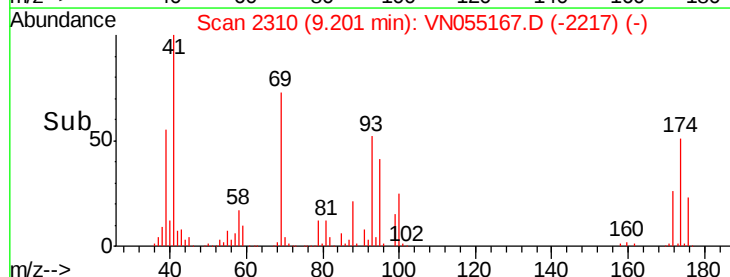
39 56.0 43.9 65.9

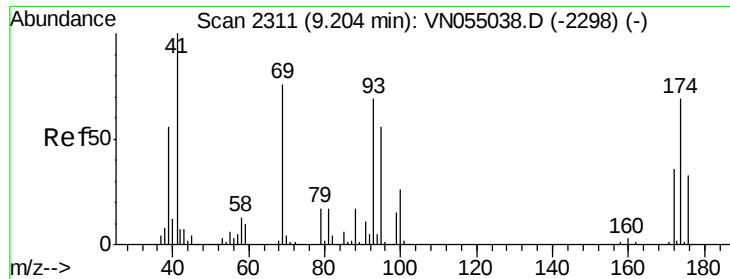


Abundance Ion 41.00 (40.70 to 41.70): VN055167.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055167.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055167.D (-2217) (-)





#49

1,4-Dioxane

Concen: 1170.466 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

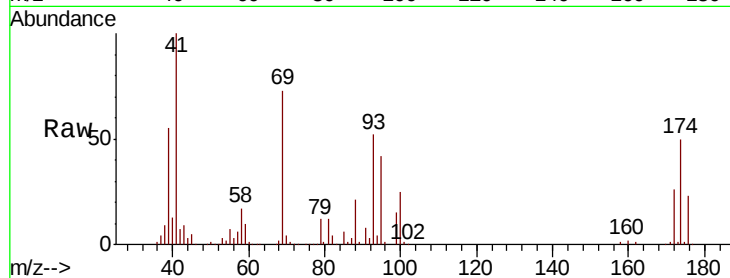
Tot Ion: 88 Resp: 48820

Ion Ratio Lower Upper

88 100

43 38.6 31.8 47.8

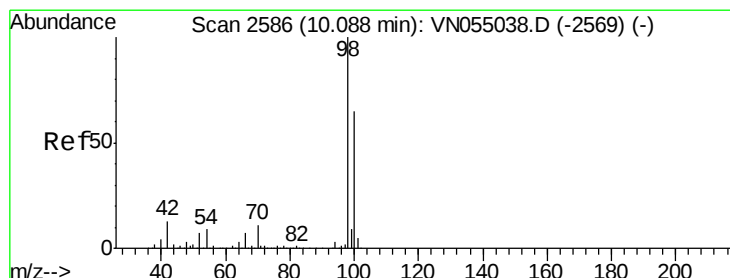
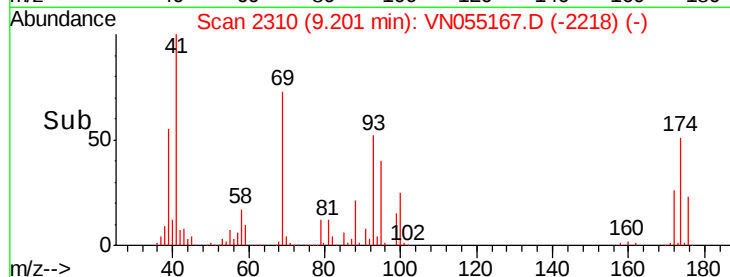
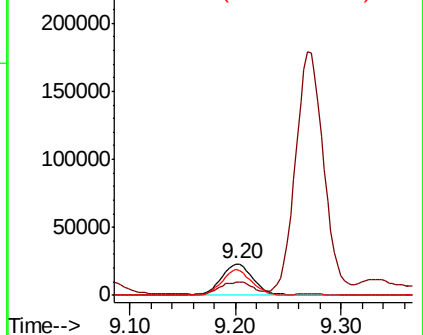
58 75.8 61.6 92.4



Abundance Ion 88.00 (87.70 to 88.70): VN055038.D (-2298) (-)

Ion 43.00 (42.70 to 43.70): VN055038.D (-2298) (-)

Ion 58.00 (57.70 to 58.70): VN055038.D (-2298) (-)



#50

Toluene-d8

Concen: 48.704 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055167.D

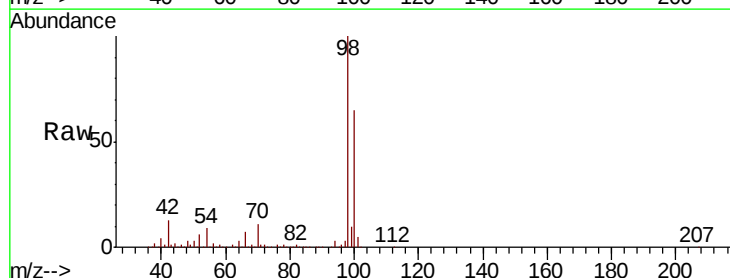
Acq: 20 Apr 2019 3:36

Tgt Ion: 98 Resp: 884848

Ion Ratio Lower Upper

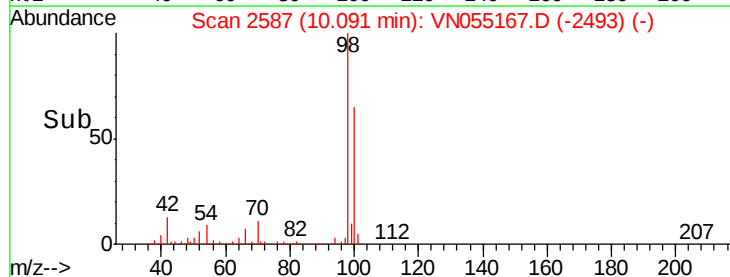
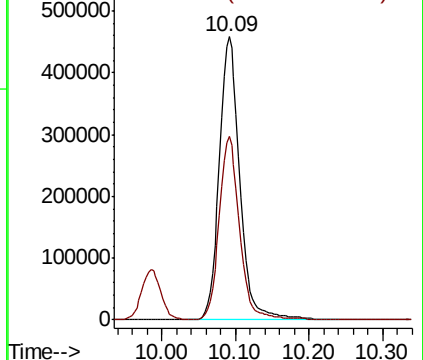
98 100

100 64.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055038.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN055038.D (-2569) (-)





#51

4-Methyl-2-Pentanone

Concen: 242.645 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

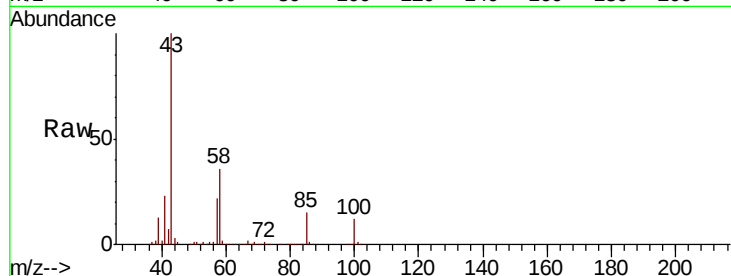
VSTDCCC050EC

Tot Ion: 43 Resp: 1259115

Ion Ratio Lower Upper

43 100

58 36.0 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN055038.D (-2535) (-)

9.99

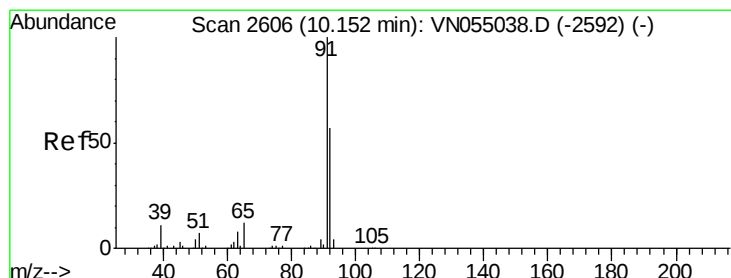
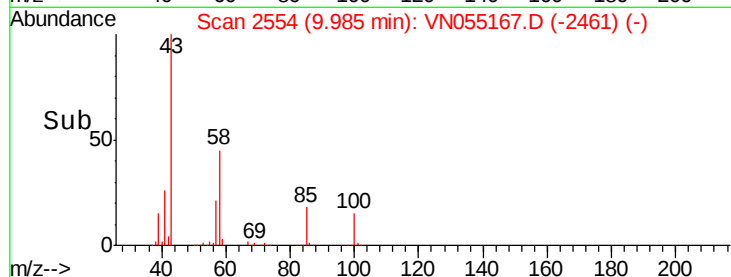
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 41.264 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055167.D

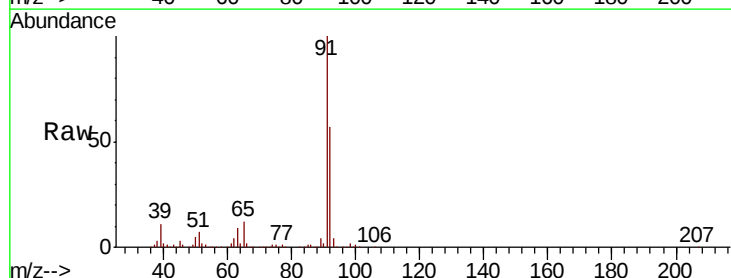
Acq: 20 Apr 2019 3:36

Tgt Ion: 92 Resp: 510009

Ion Ratio Lower Upper

92 100

91 174.4 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN055038.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN055038.D (-2592) (-)

10.16

500000

400000

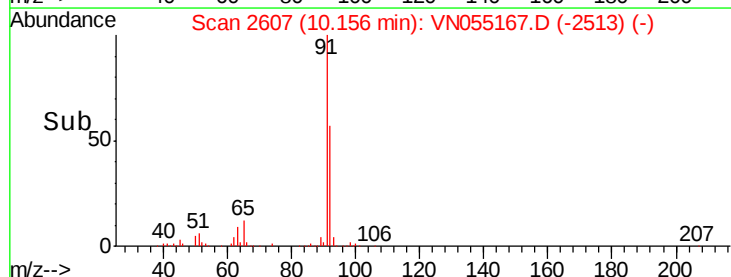
300000

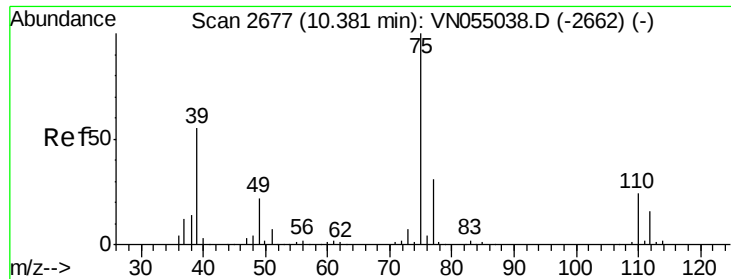
200000

100000

0

Time-->

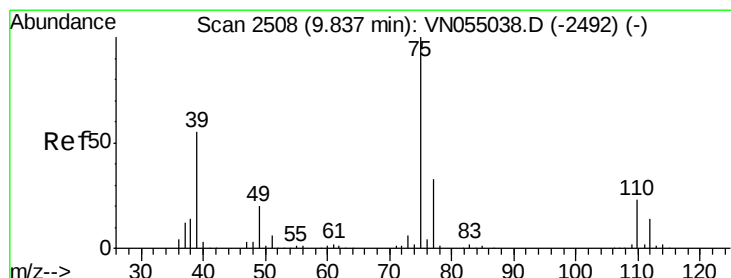
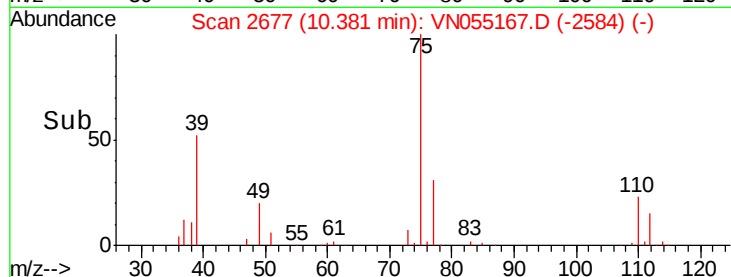
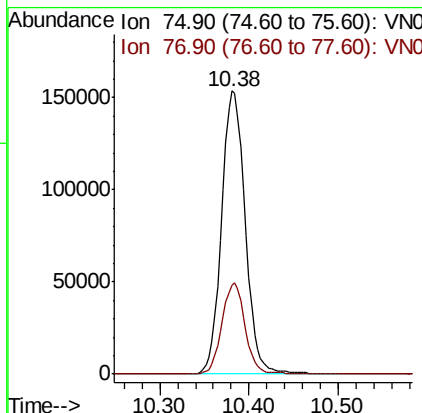
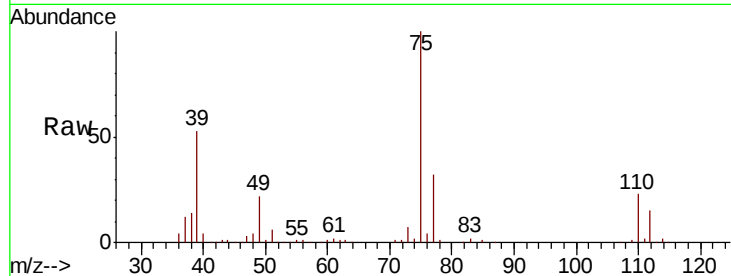




#53
t-1,3-Dichloropropene
Concen: 45.780 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

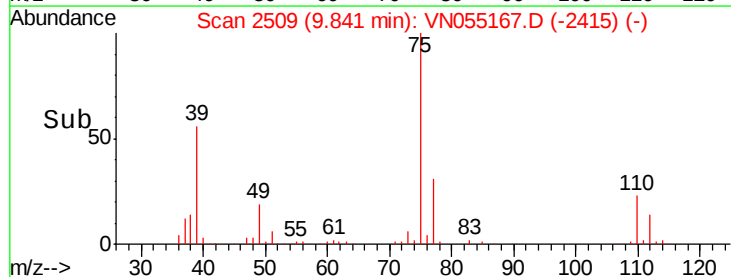
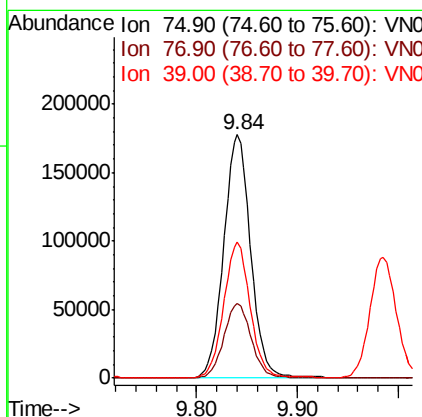
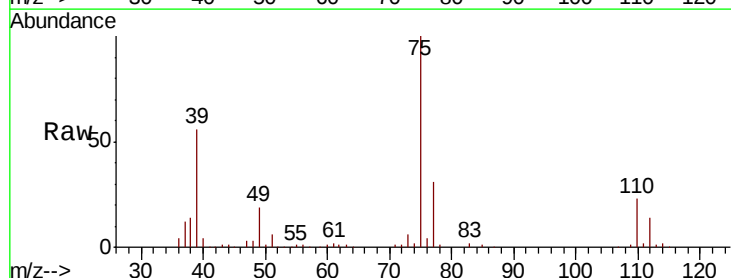
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

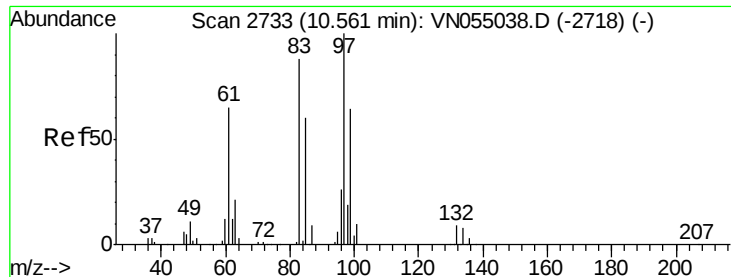
Tot Ion: 75 Resp: 282558
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 43.294 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion: 75 Resp: 331648
Ion Ratio Lower Upper
75 100
77 30.8 25.8 38.6
39 55.7 43.8 65.8

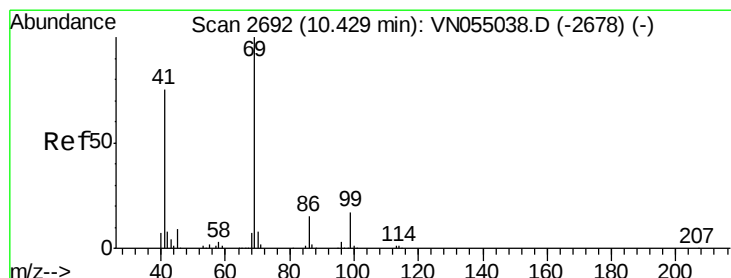
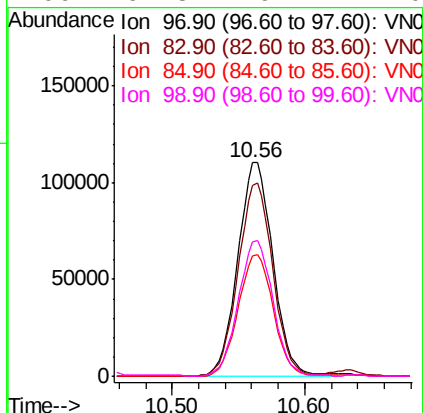
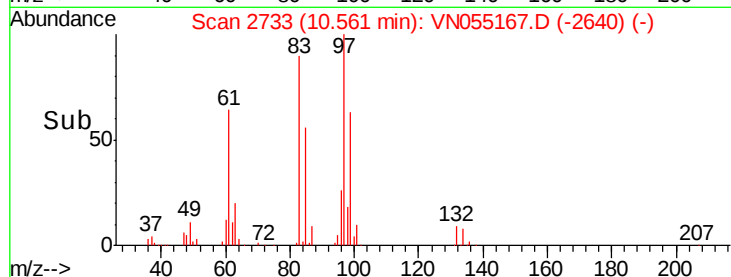
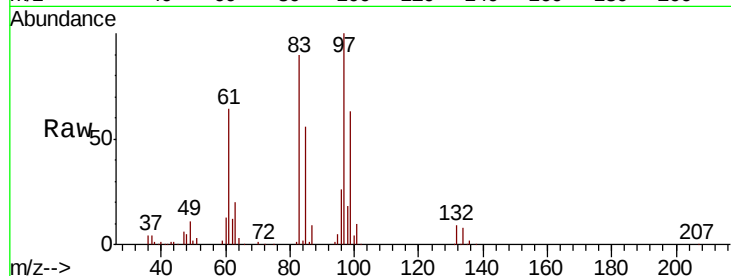




#55
 1,1,2-Trichloroethane
 Concen: 42.725 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

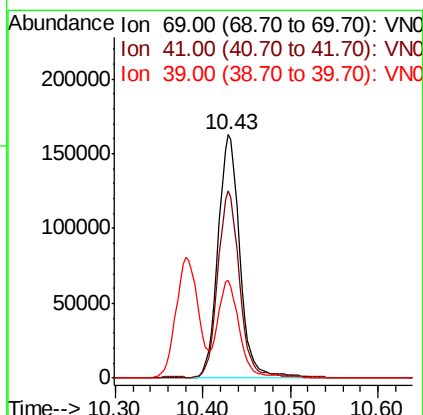
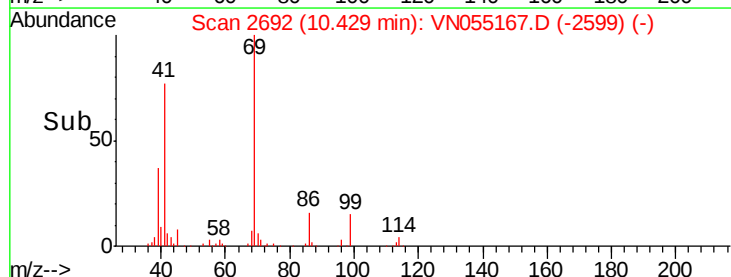
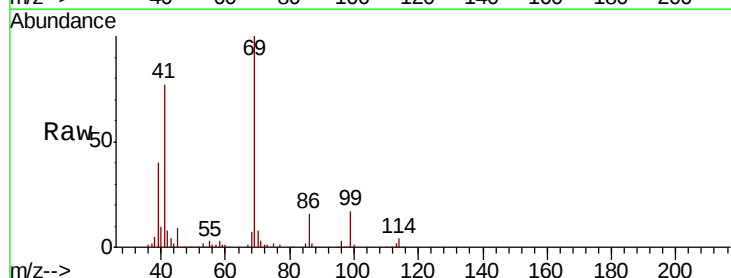
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

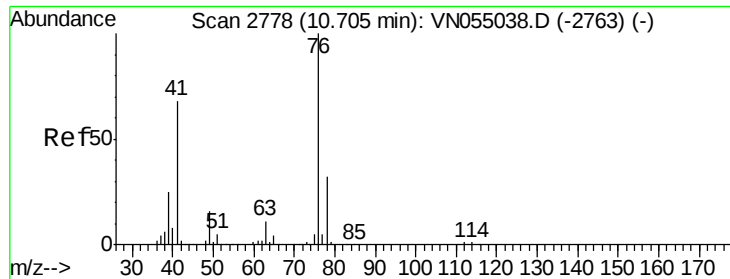
Tot Ion	97	Resp	203452
Ion	Ratio	Lower	Upper
97	100		
83	89.6	70.5	105.7
85	56.1	45.5	68.3
99	62.8	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 49.409 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Tgt Ion	69	Resp	282362
Ion	Ratio	Lower	Upper
69	100		
41	77.1	61.4	92.0
39	39.5	30.8	46.2





#57

1,3-Dichloropropane

Concen: 43.398 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

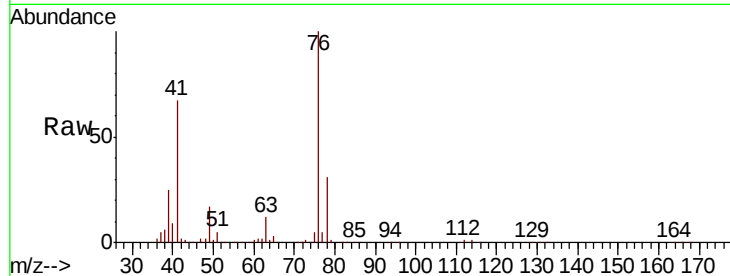
VSTDCCC050EC

Tot Ion: 76 Resp: 351852

Ion Ratio Lower Upper

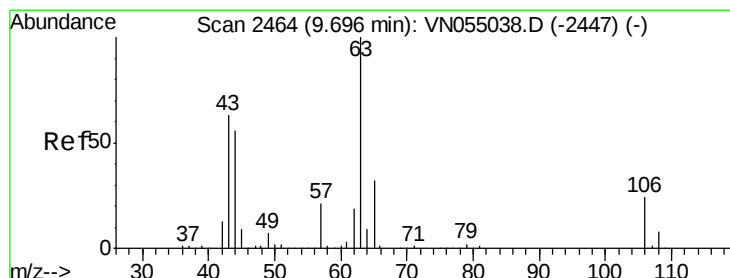
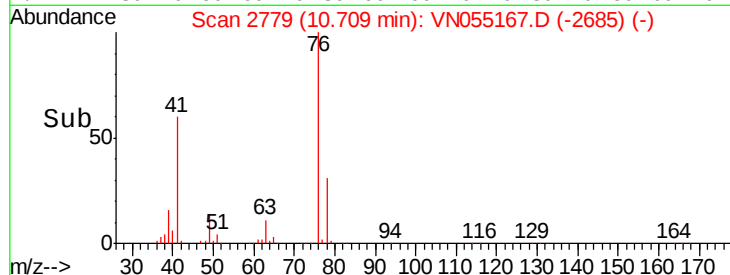
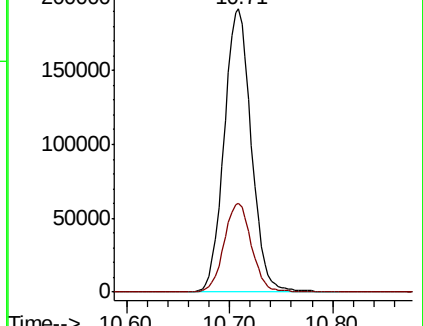
76 100

78 31.8 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 188.817 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055167.D

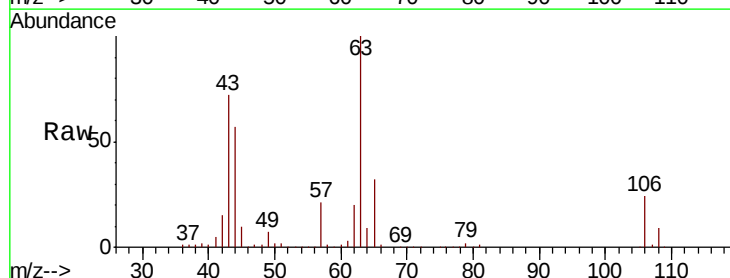
Acq: 20 Apr 2019 3:36

Tgt Ion: 63 Resp: 467059

Ion Ratio Lower Upper

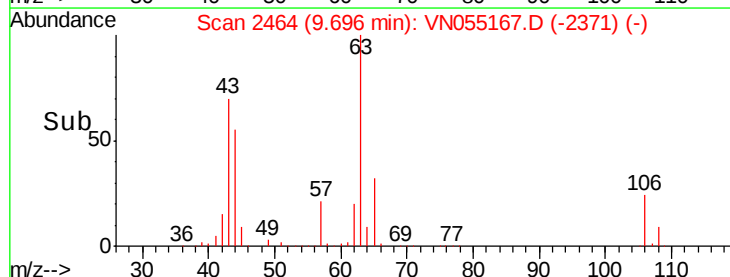
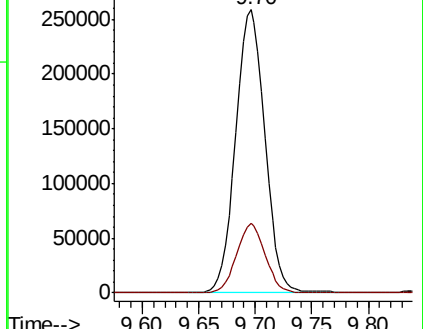
63 100

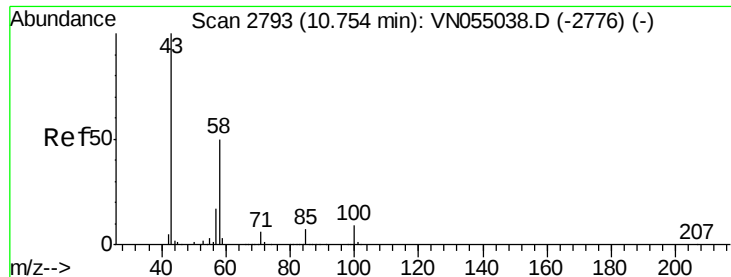
106 24.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

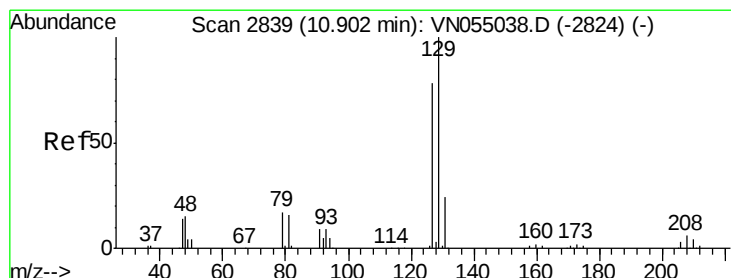
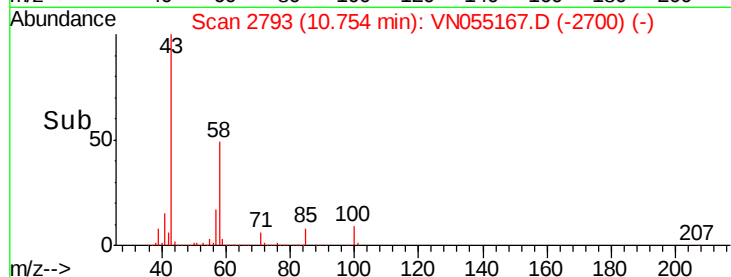
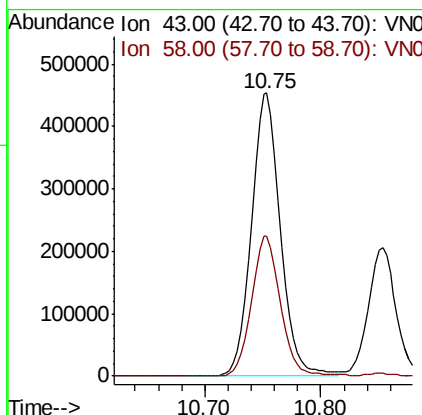
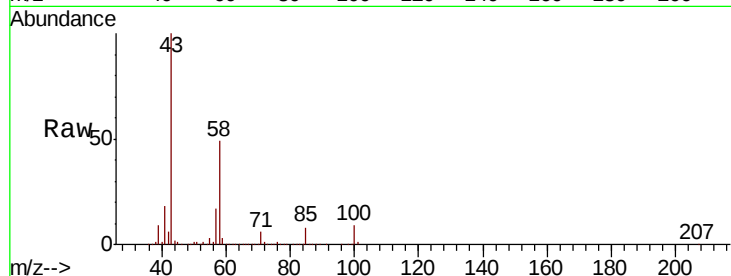




#59
2-Hexanone
Concen: 241.933 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

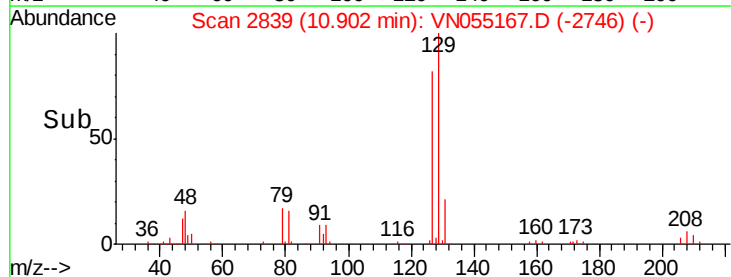
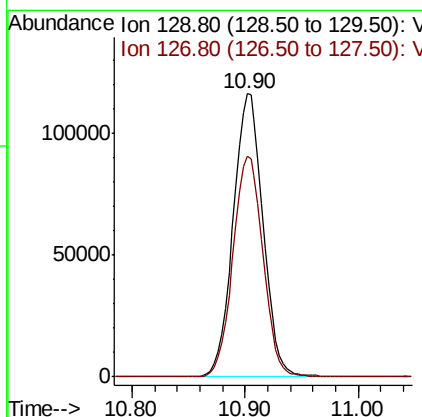
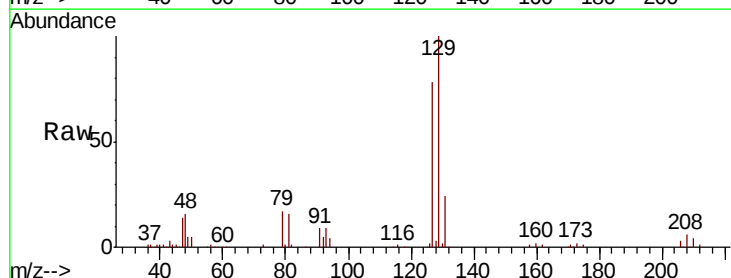
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

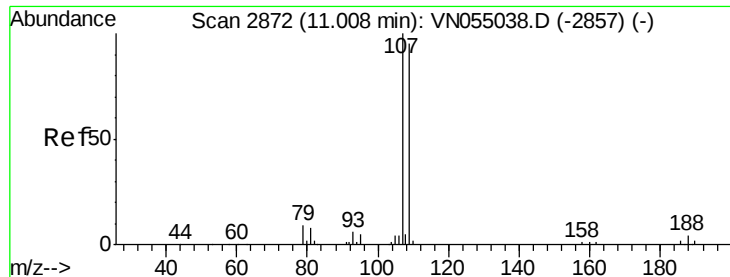
Tot Ion: 43 Resp: 788522
Ion Ratio Lower Upper
43 100
58 49.8 25.1 75.2



#60
Dibromochloromethane
Concen: 45.774 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion: 129 Resp: 212847
Ion Ratio Lower Upper
129 100
127 78.4 38.2 114.6





#61

1,2-Dibromoethane

Concen: 44.660 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

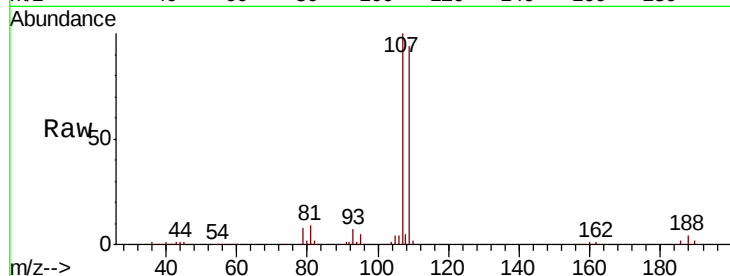
VSTDCCC050EC

Tot Ion: 107 Resp: 195741

Ion Ratio Lower Upper

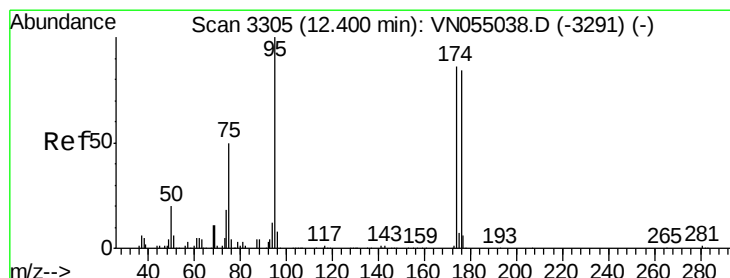
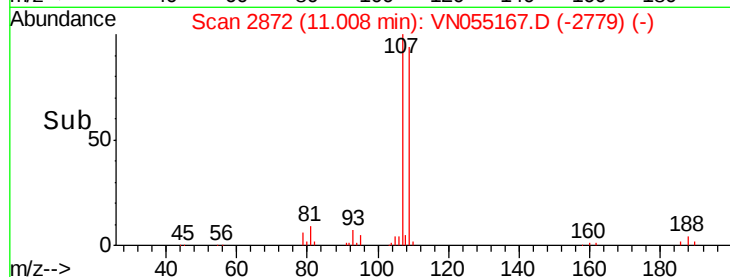
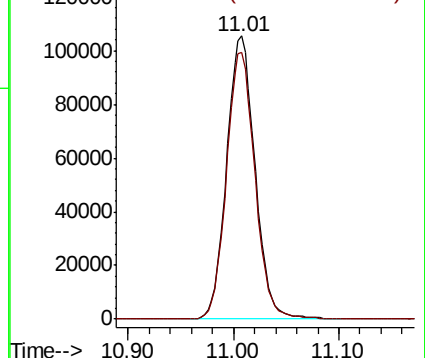
107 100

109 94.8 76.5 114.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 43.897 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

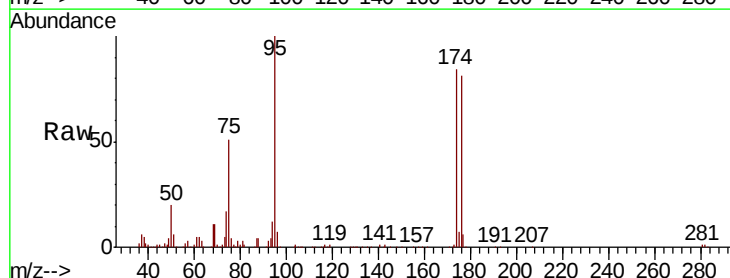
Tgt Ion: 95 Resp: 259269

Ion Ratio Lower Upper

95 100

174 85.6 0.0 174.4

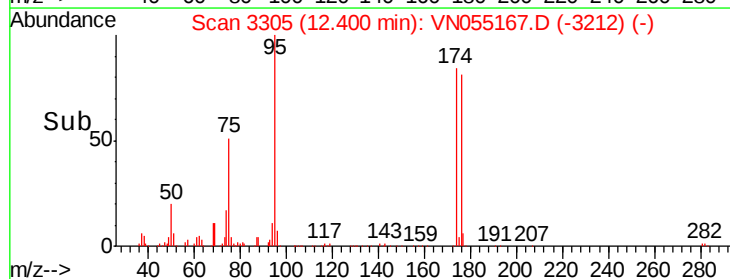
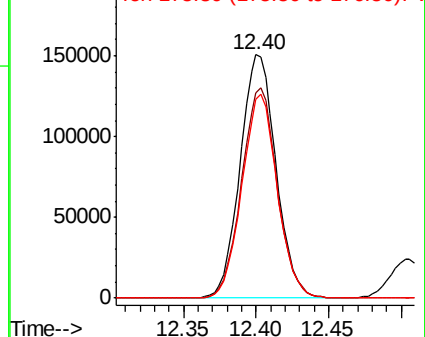
176 82.6 0.0 166.8

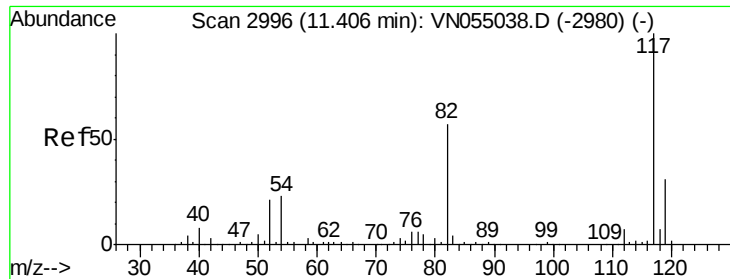


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

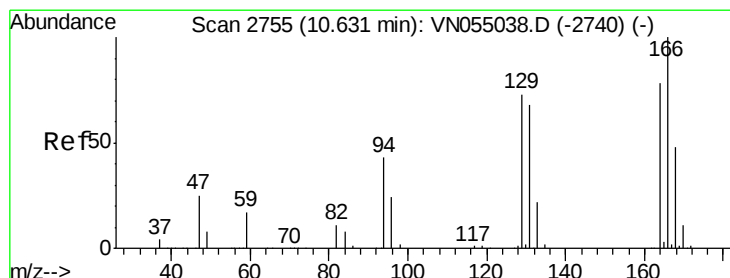
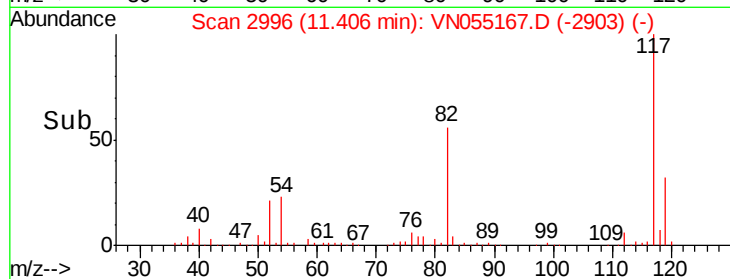
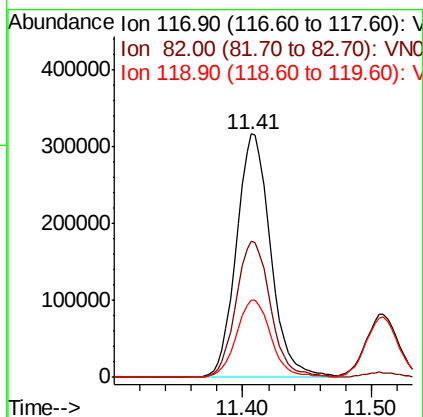
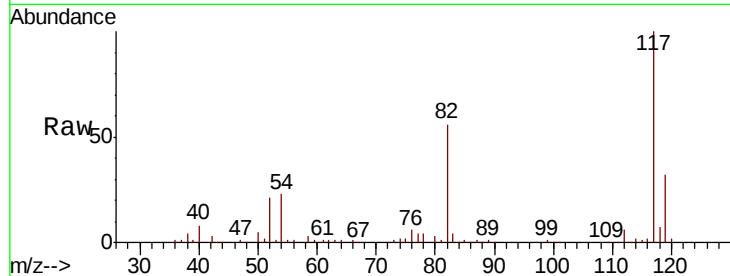




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

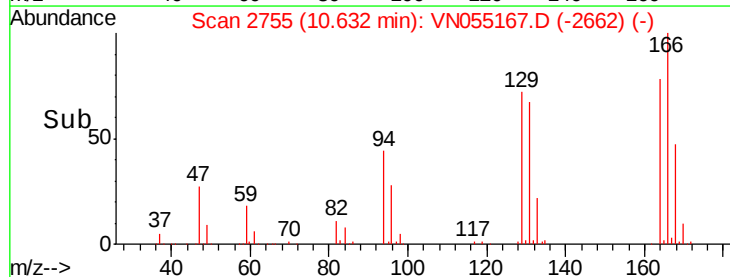
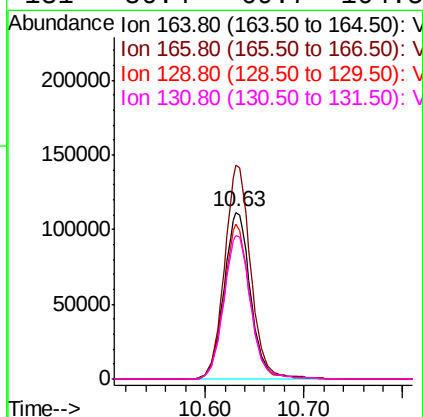
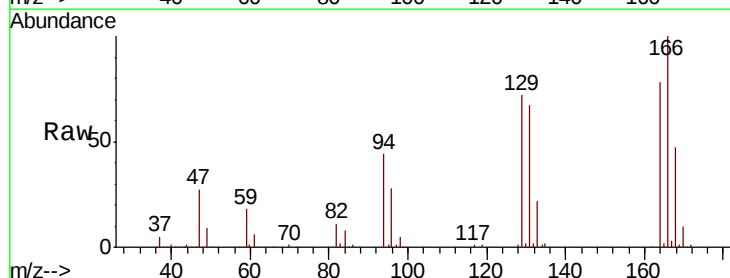
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 582969
Ion Ratio Lower Upper
117 100
82 56.0 44.6 66.8
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 44.452 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion:164 Resp: 210726
Ion Ratio Lower Upper
164 100
166 128.2 100.0 150.0
129 92.9 72.0 108.0
131 86.4 69.7 104.5

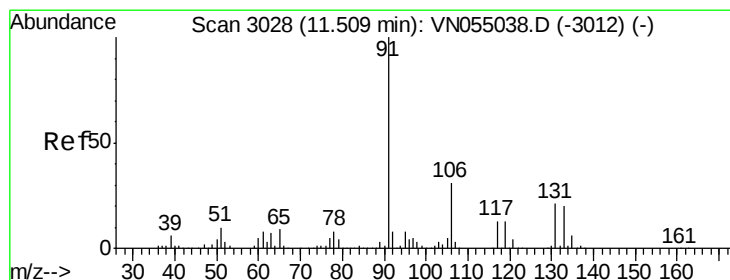
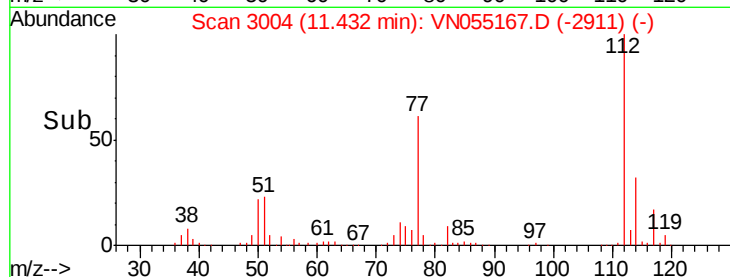
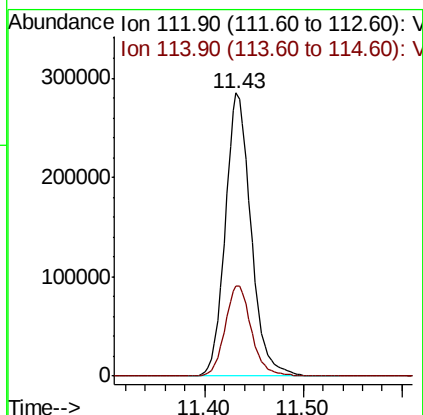
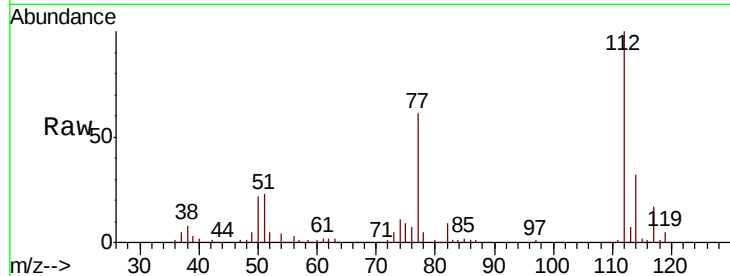




#65
Chlorobenzene
Concen: 44.344 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

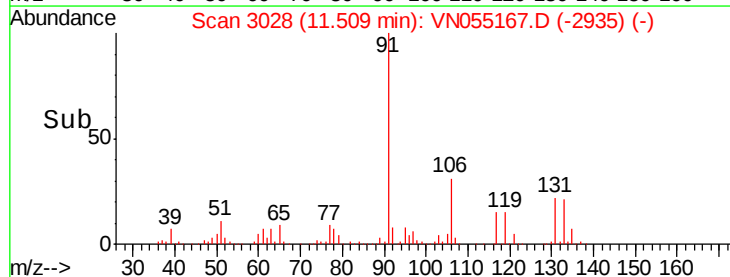
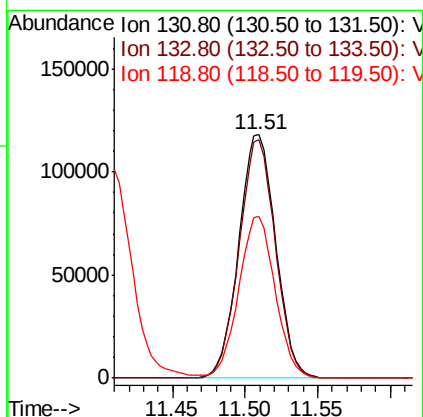
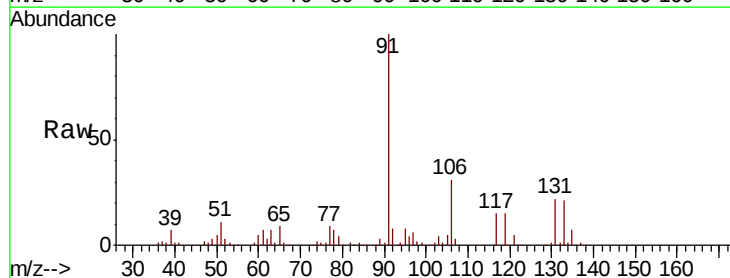
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

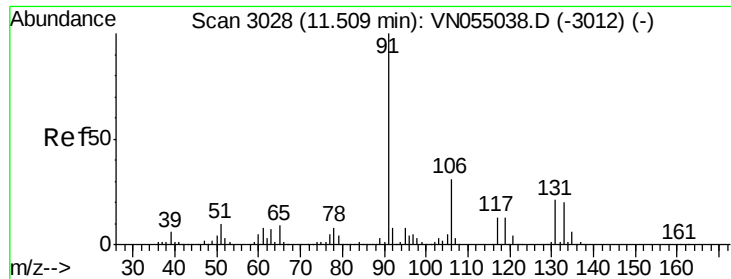
Tot Ion:112 Resp: 520365
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 48.392 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion:131 Resp: 208858
Ion Ratio Lower Upper
131 100
133 96.2 47.8 143.3
119 65.6 33.6 100.6

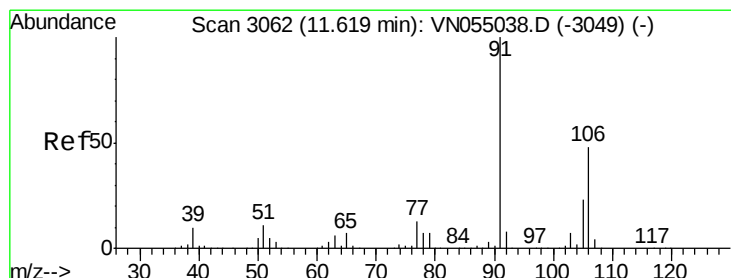
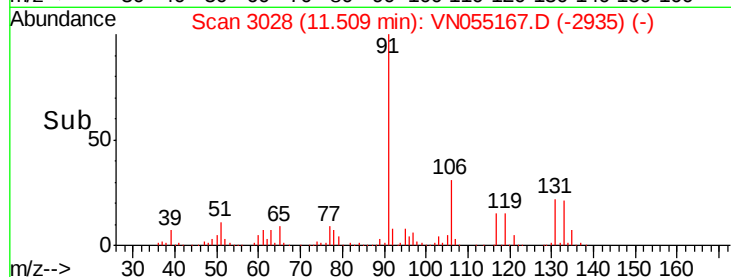
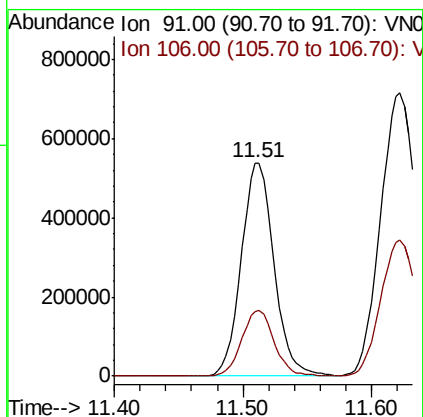
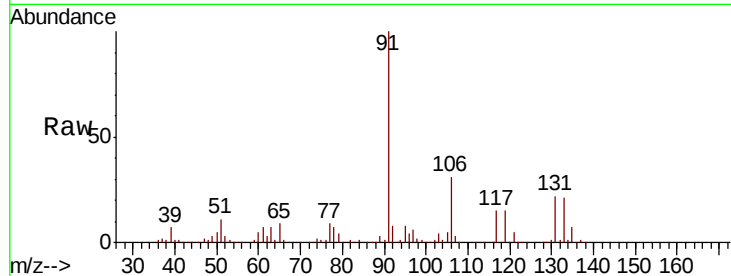




#67
Ethyl Benzene
Concen: 45.413 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

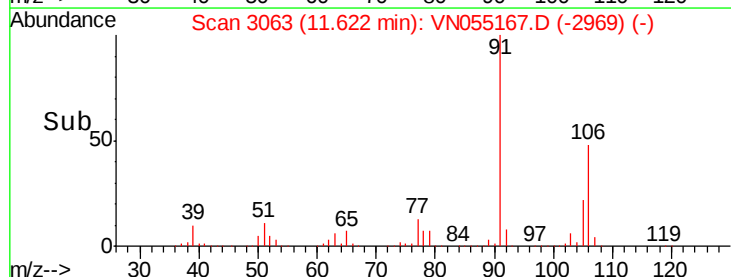
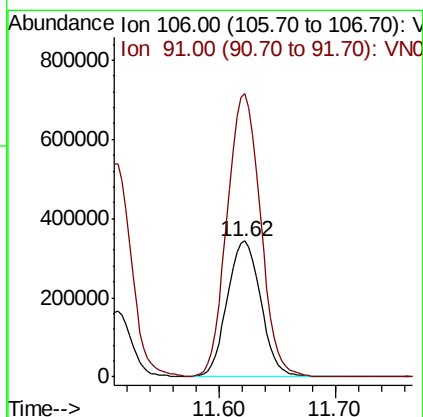
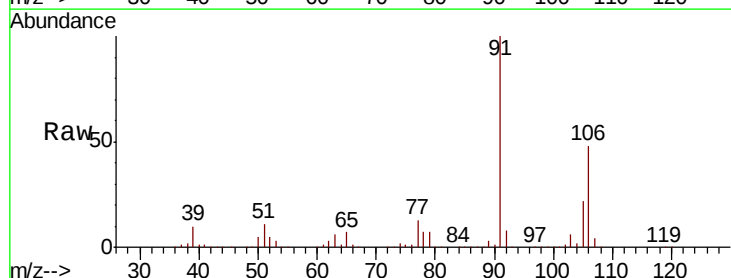
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

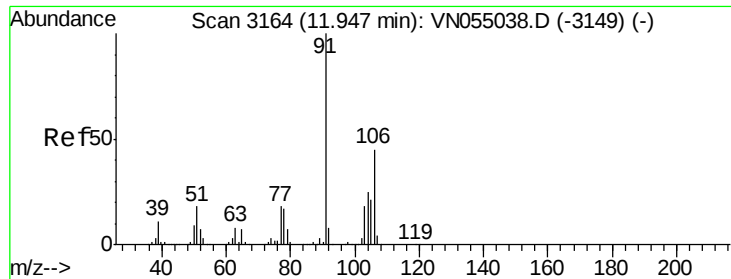
Tot Ion: 91 Resp: 951671
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5



#68
m/p-Xylenes
Concen: 90.577 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion: 106 Resp: 687342
Ion Ratio Lower Upper
106 100
91 207.8 165.9 248.9

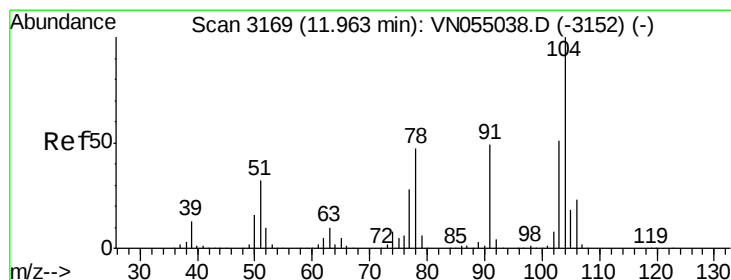
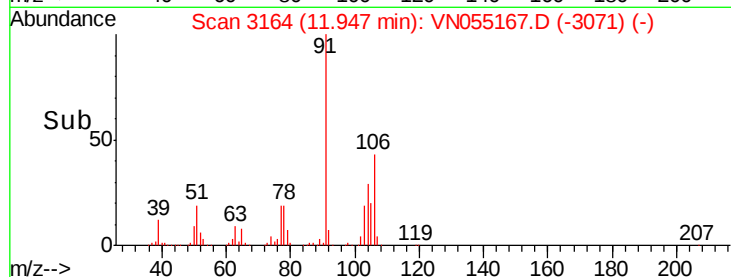
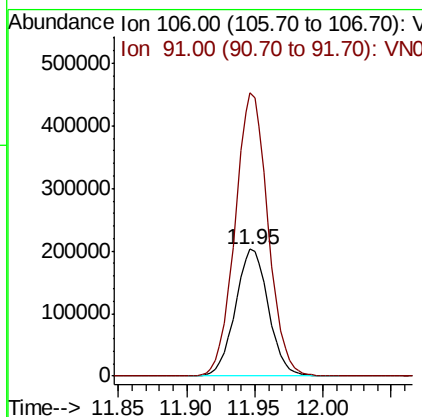
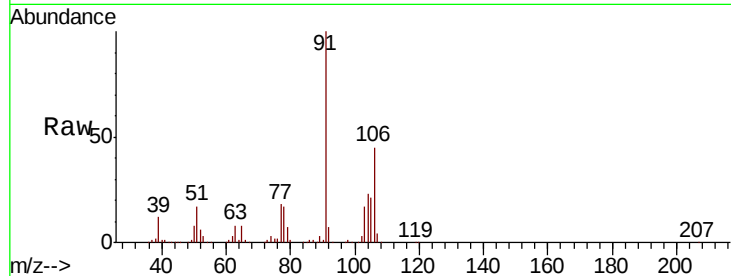




#69
o-Xylene
Concen: 46.418 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

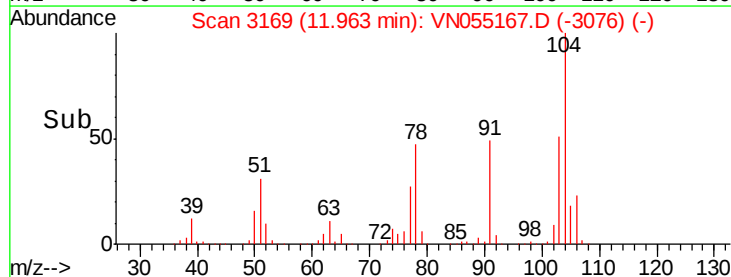
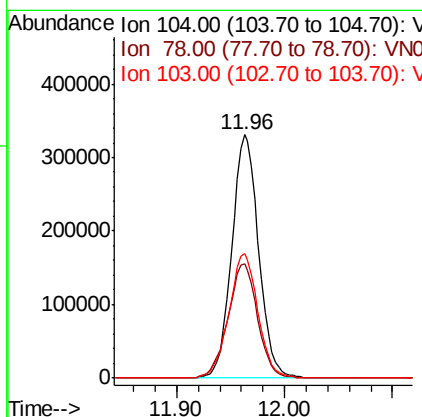
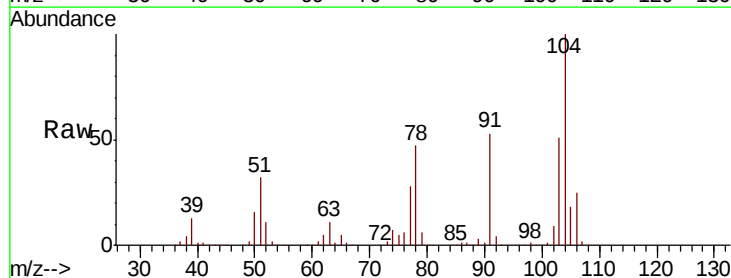
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

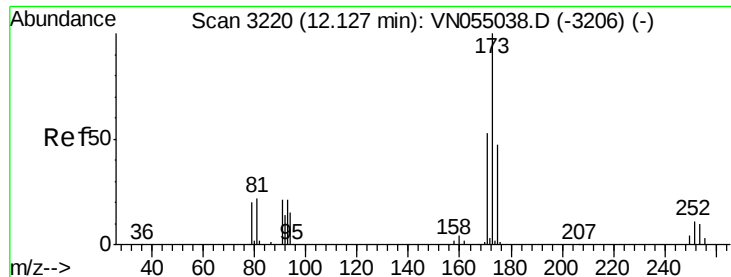
Tot Ion:106 Resp: 341167
Ion Ratio Lower Upper
106 100
91 221.9 109.9 329.8



#70
Styrene
Concen: 48.184 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion:104 Resp: 573255
Ion Ratio Lower Upper
104 100
78 51.8 40.3 60.5
103 55.4 44.3 66.5





#71

Bromoform

Concen: 54.261 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

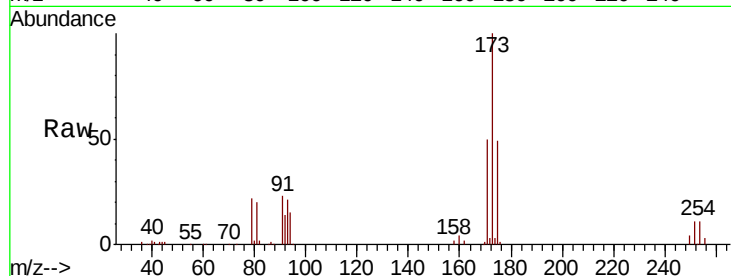
Tot Ion:173 Resp: 134231

Ion Ratio Lower Upper

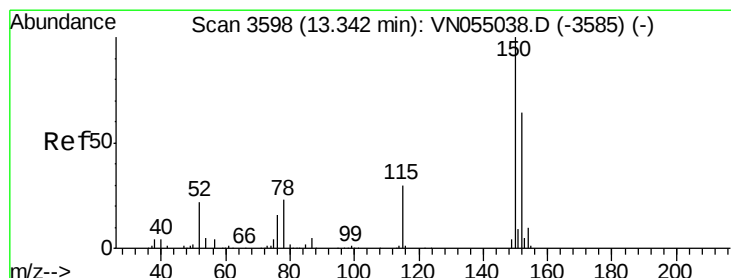
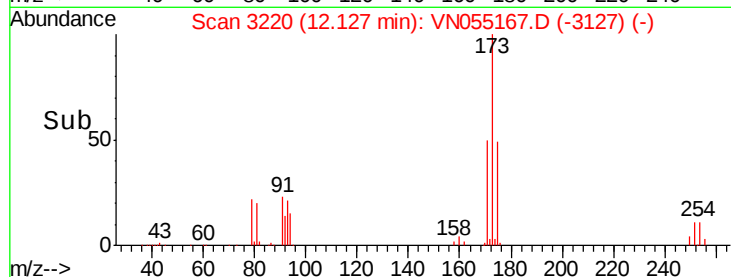
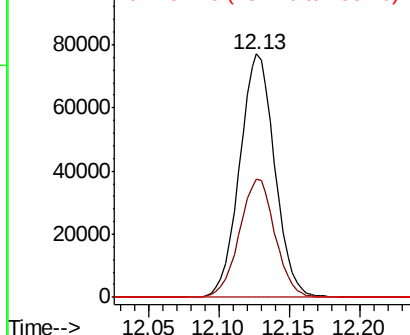
173 100

175 49.2 24.3 73.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

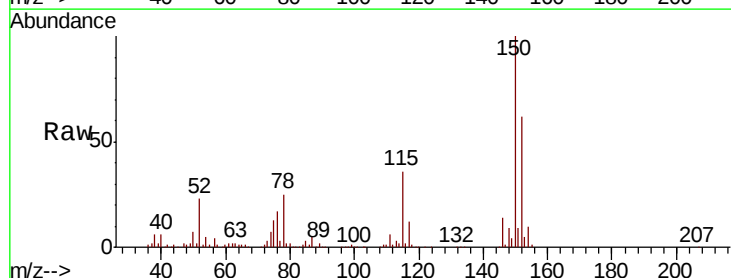
Tgt Ion:152 Resp: 230569

Ion Ratio Lower Upper

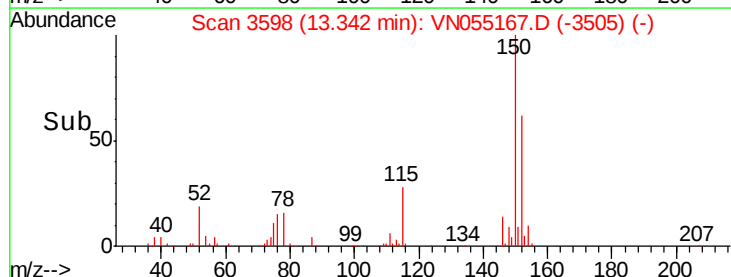
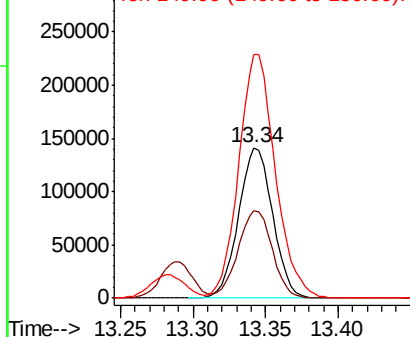
152 100

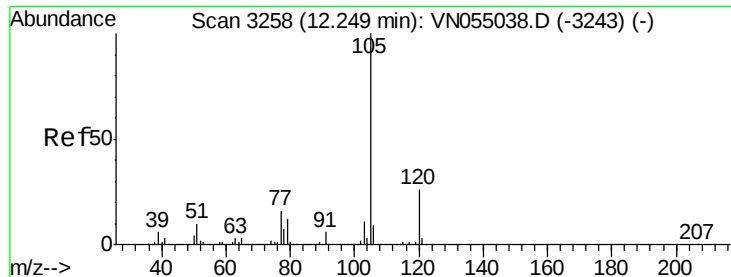
115 58.5 28.5 85.6

150 174.1 0.0 347.2



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: 44.028 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

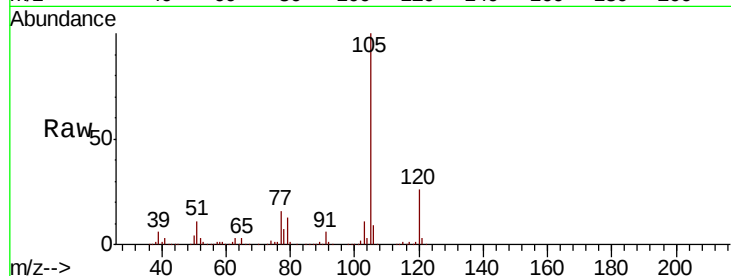
VSTDCCC050EC

Tot Ion:105 Resp: 900808

Ion Ratio Lower Upper

105 100

120 26.2 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

600000

500000

400000

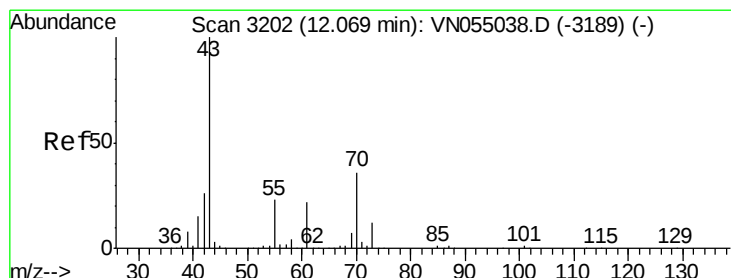
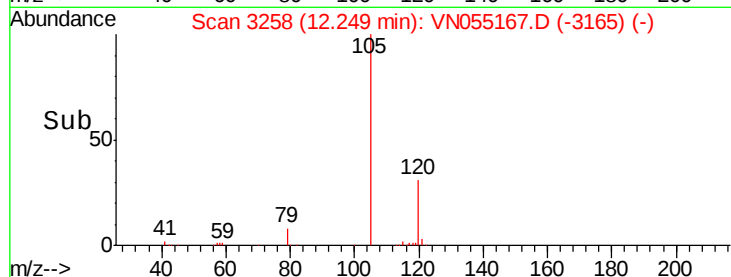
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 57.795 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Tgt Ion: 43 Resp: 332868

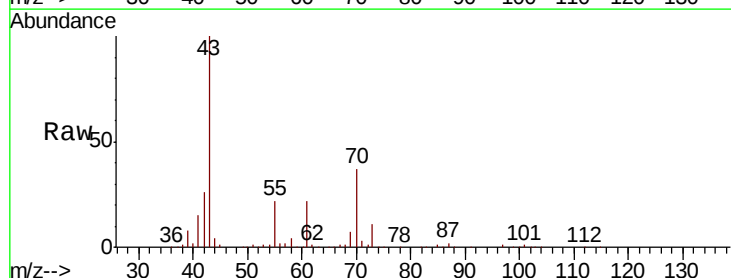
Ion Ratio Lower Upper

43 100

70 37.4 29.4 44.0

55 22.8 19.0 28.4

61 22.0 17.7 26.5



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

300000

250000

200000

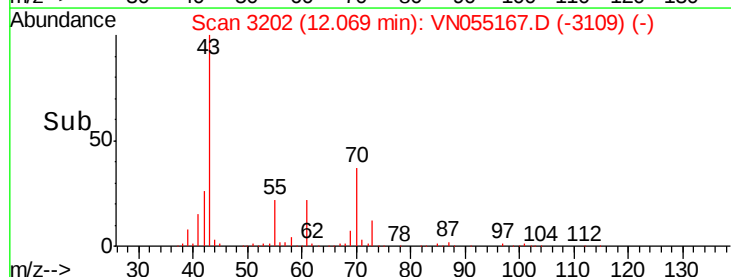
150000

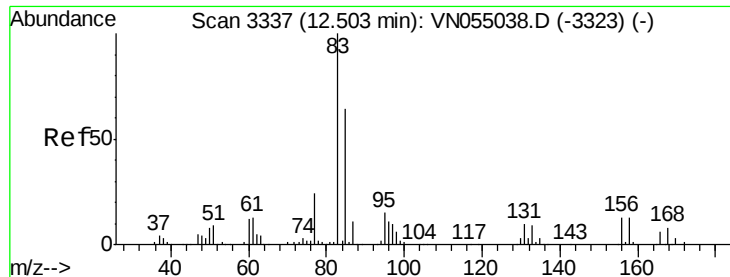
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.374 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

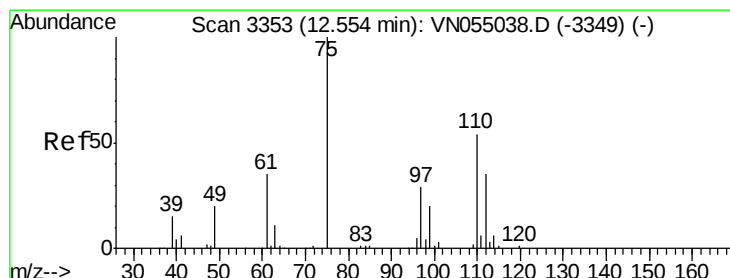
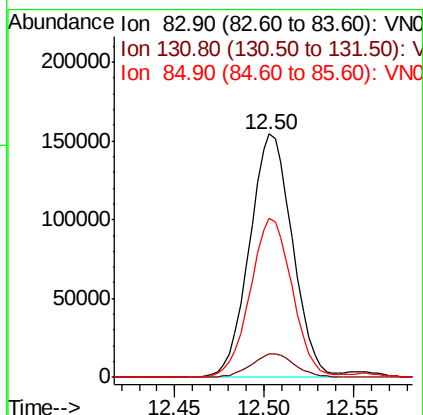
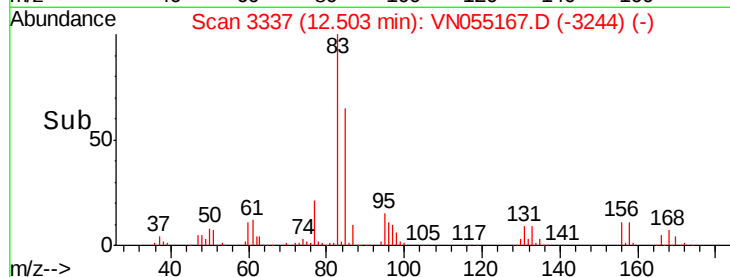
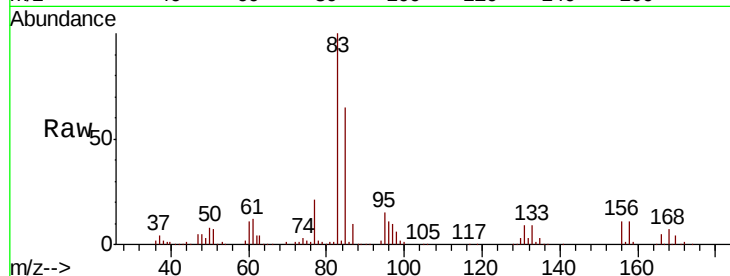
Tot Ion: 83 Resp: 259361

Ion Ratio Lower Upper

83 100

131 9.8 5.0 15.0

85 64.2 32.3 96.9



#76

1,2,3-Trichloropropane

Concen: 71.491 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055167.D

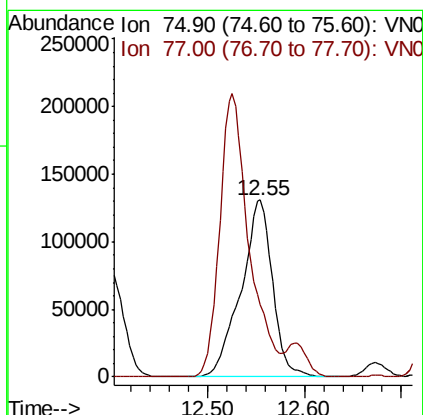
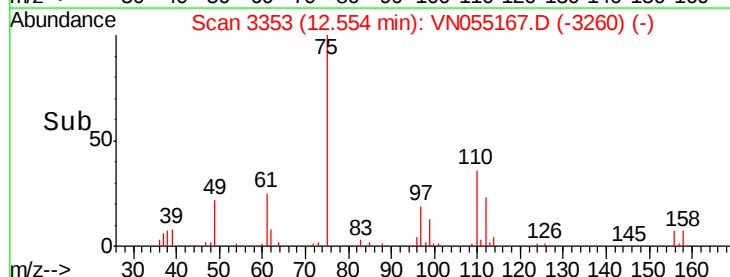
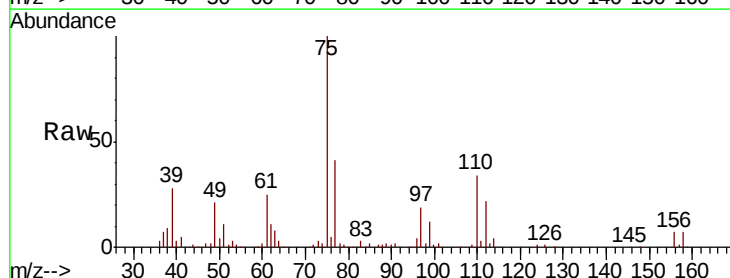
Acq: 20 Apr 2019 3:36

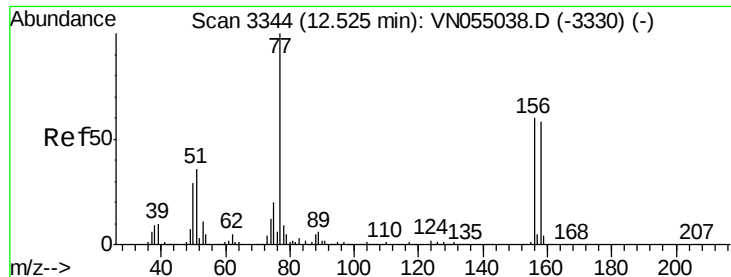
Tgt Ion: 75 Resp: 296417

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 43.649 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

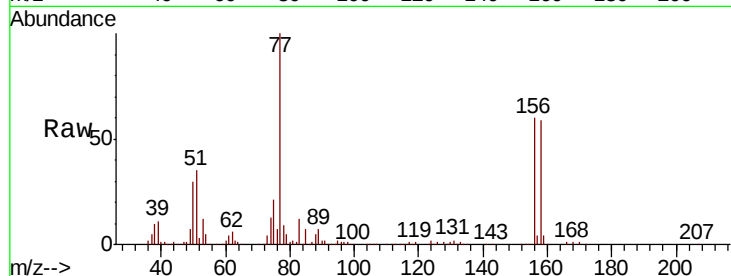
Tot Ion:156 Resp: 222644

Ion Ratio Lower Upper

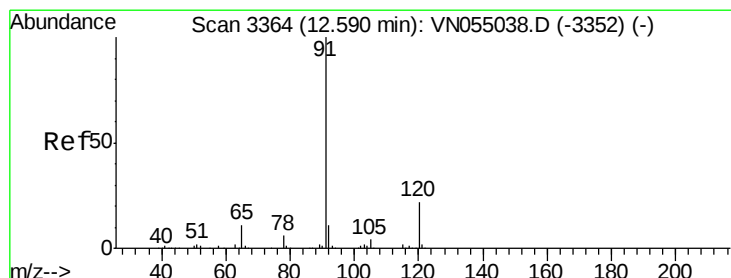
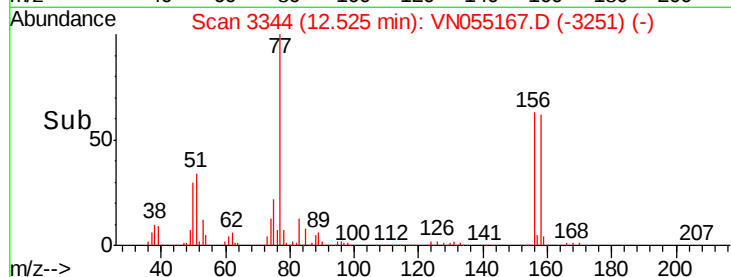
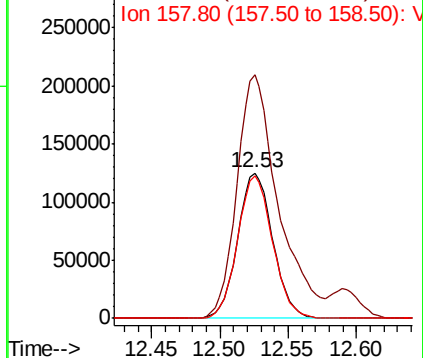
156 100

77 198.7 97.2 291.5

158 97.9 48.6 145.9



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: 44.952 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055167.D

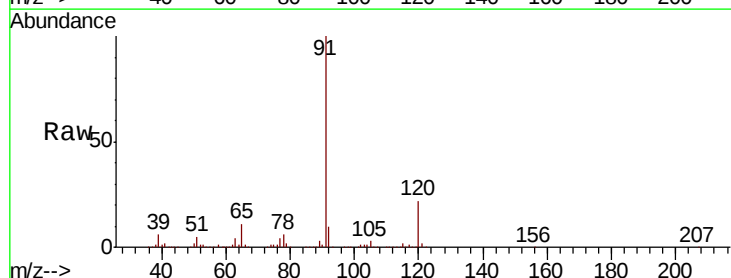
Acq: 20 Apr 2019 3:36

Tgt Ion: 91 Resp: 993678

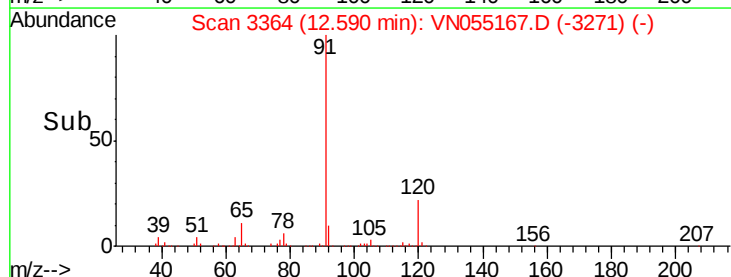
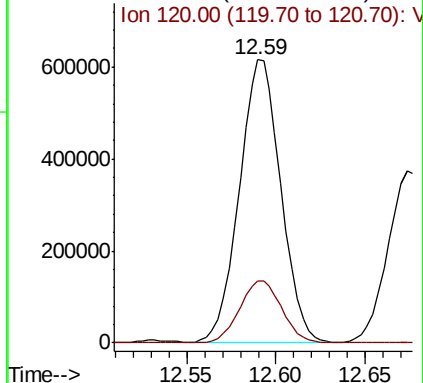
Ion Ratio Lower Upper

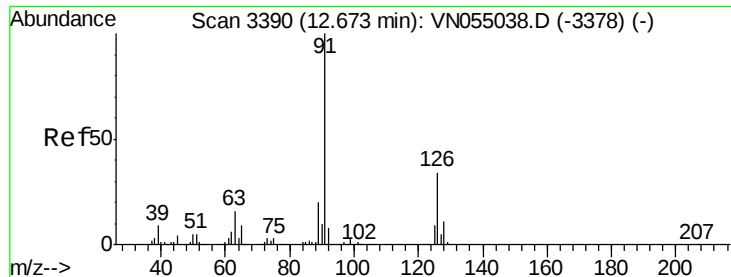
91 100

120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.796 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

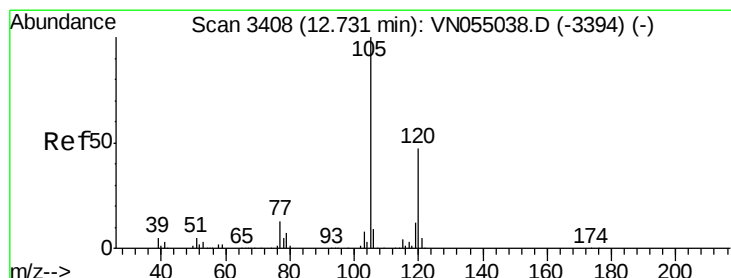
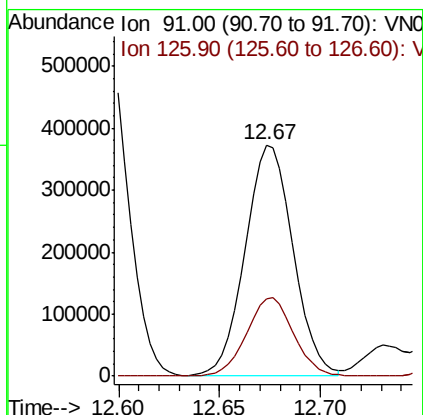
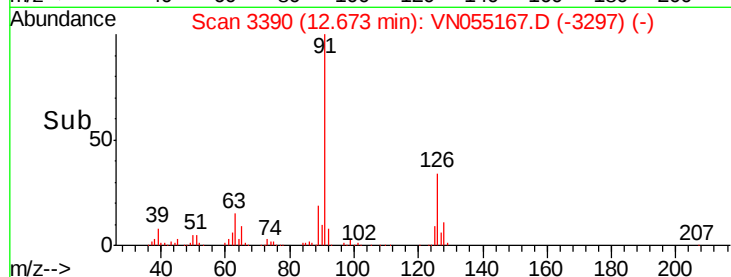
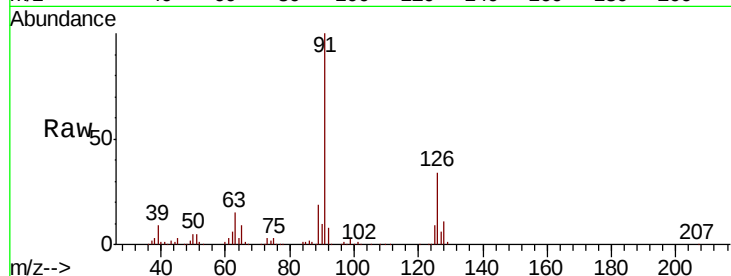
VSTDCCC050EC

Tot Ion: 91 Resp: 617647

Ion Ratio Lower Upper

91 100

126 33.5 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 44.487 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055167.D

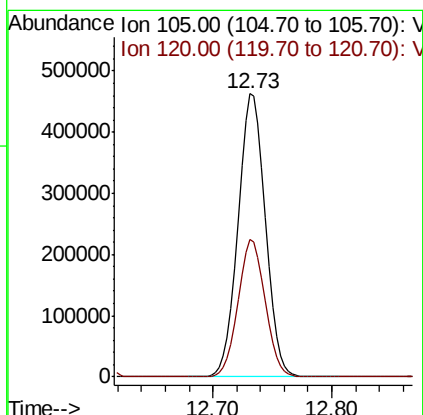
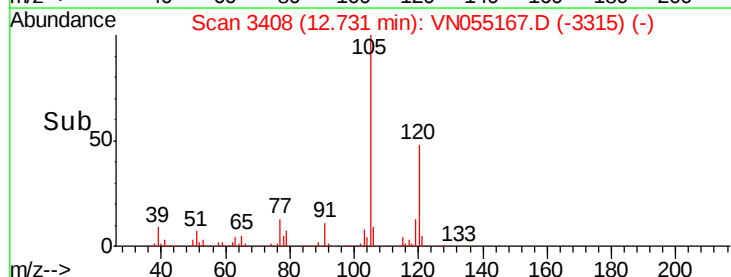
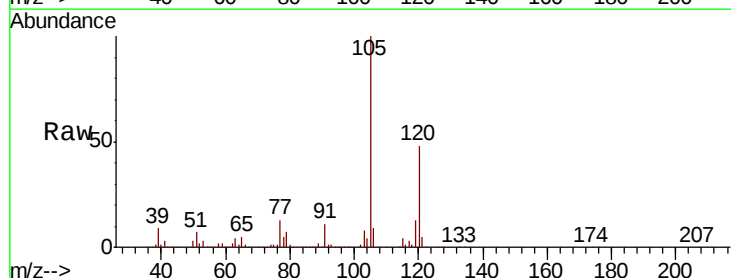
Acq: 20 Apr 2019 3:36

Tgt Ion: 105 Resp: 734531

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 52.280 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

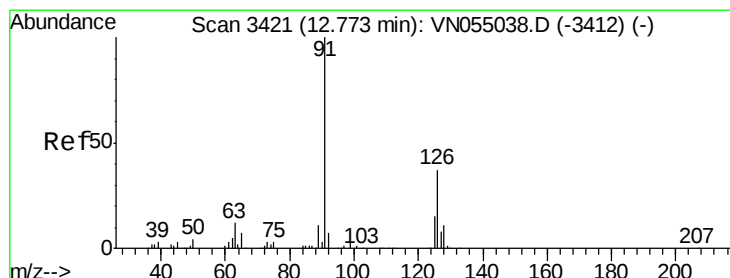
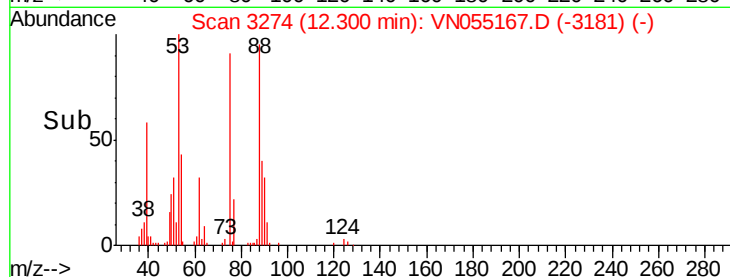
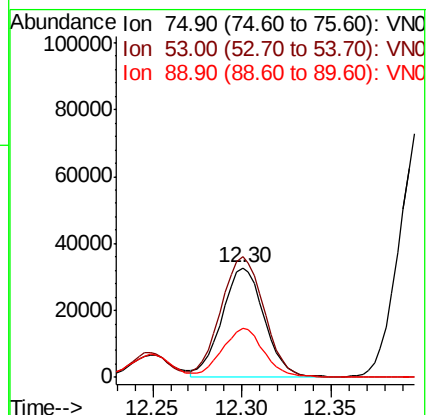
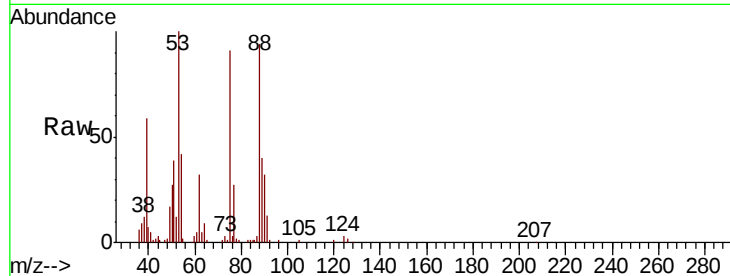
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 54206

Ion	Ratio	Lower	Upper
75	100		
53	113.5	96.3	144.5
89	44.2	38.6	57.8



#82

4-Chlorotoluene

Concen: 46.124 ug/l

RT: 12.77 min Scan# 3421

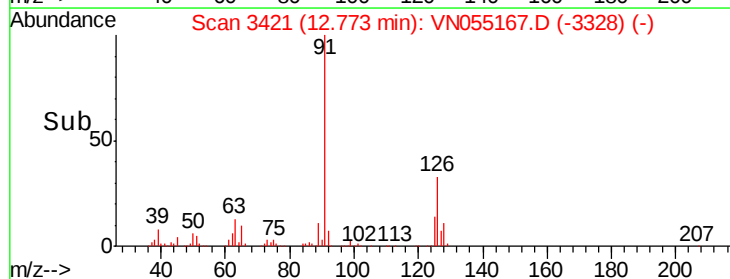
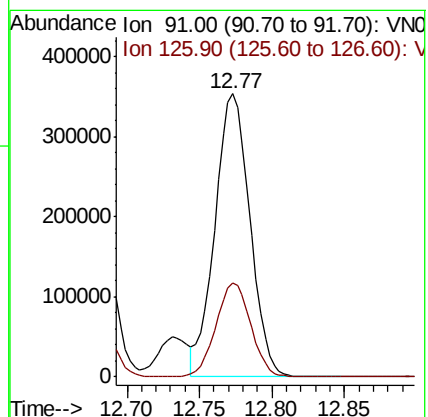
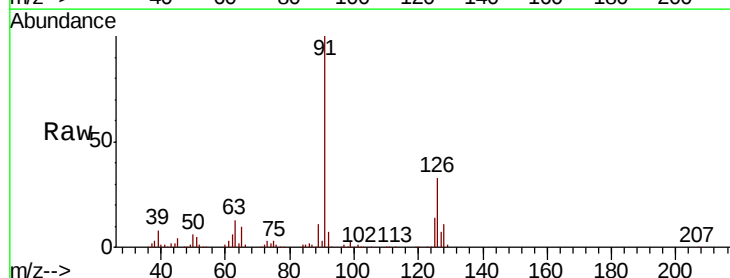
Delta R.T. 0.00 min

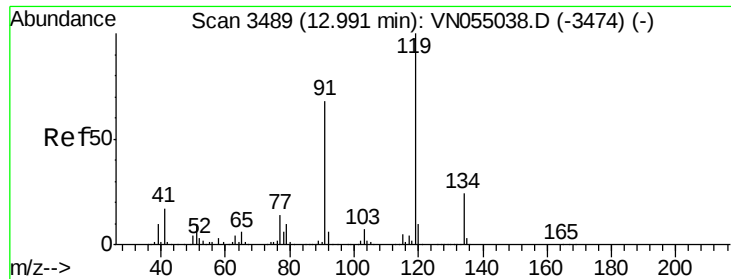
Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Tgt Ion: 91 Resp: 593330

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.2

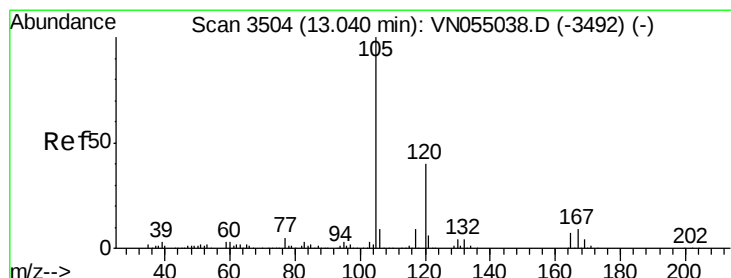
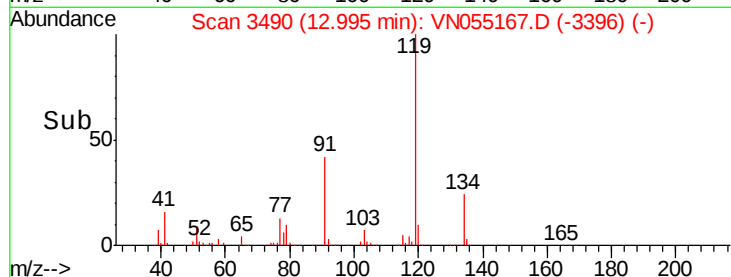
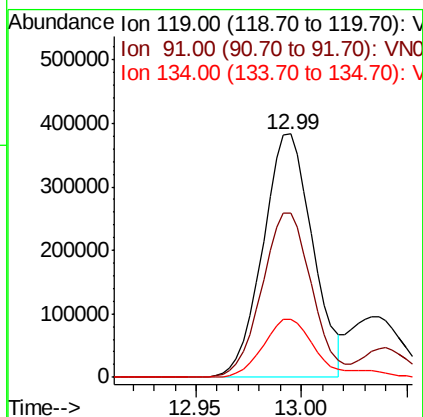
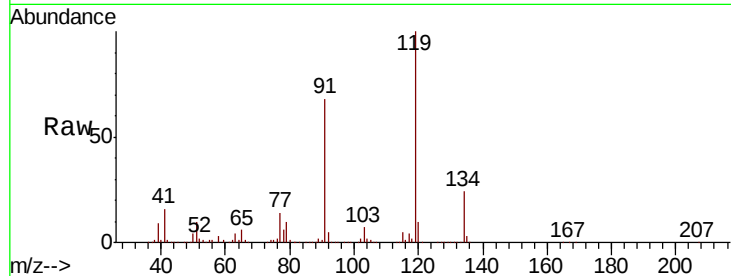




#83
tert-Butylbenzene
Concen: 45.155 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

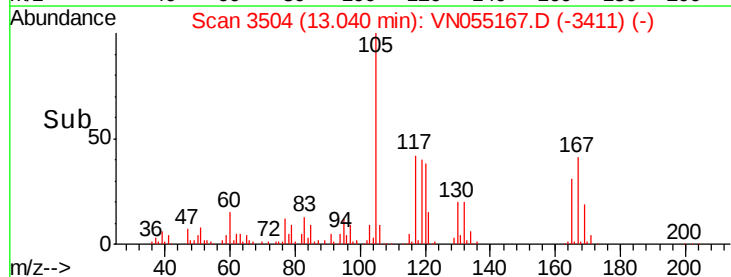
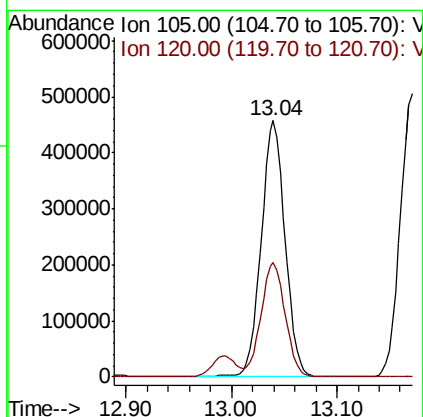
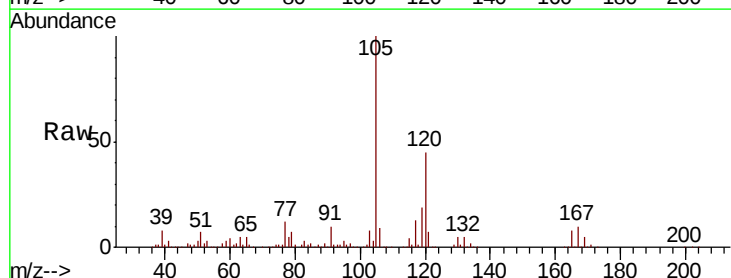
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

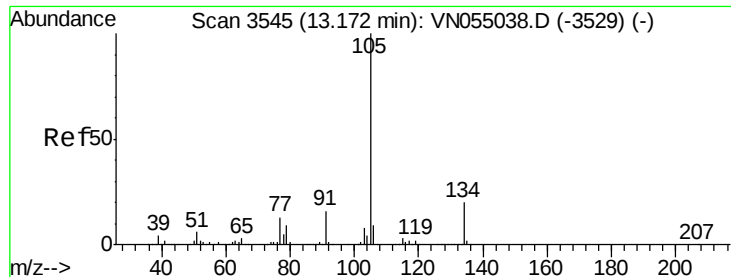
Tot Ion:119 Resp: 629643
Ion Ratio Lower Upper
119 100
91 67.4 33.3 99.8
134 24.5 12.3 36.9



#84
1,2,4-Trimethylbenzene
Concen: 46.119 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion:105 Resp: 721639
Ion Ratio Lower Upper
105 100
120 45.3 22.4 67.3

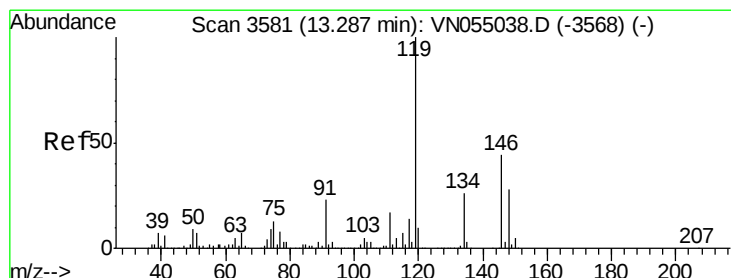
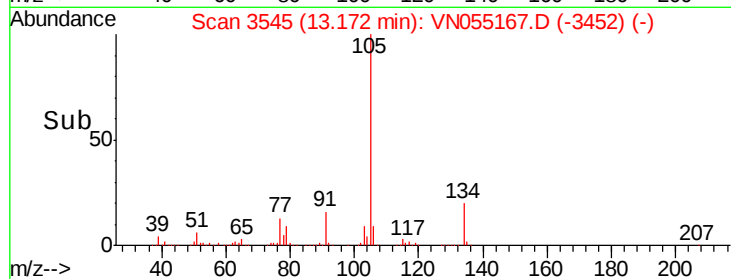
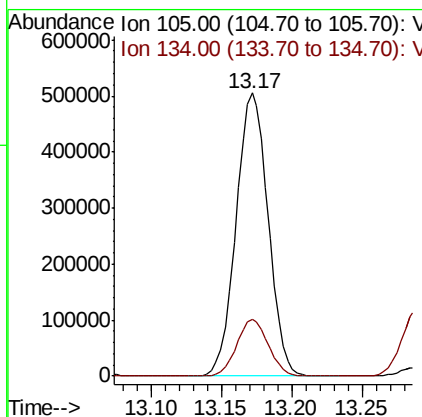
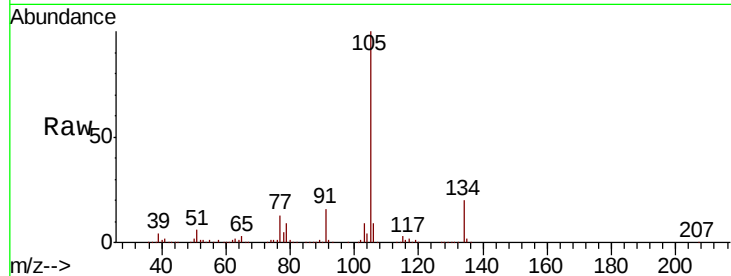




#85
 sec-Butylbenzene
 Concen: 45.128 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

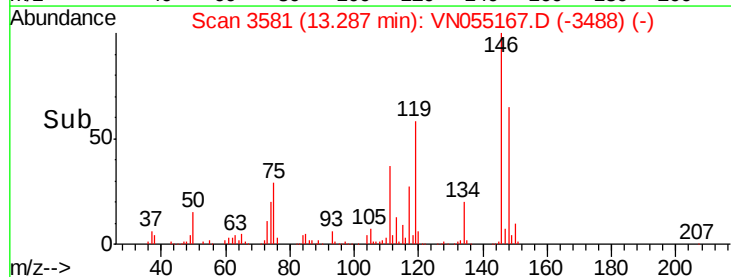
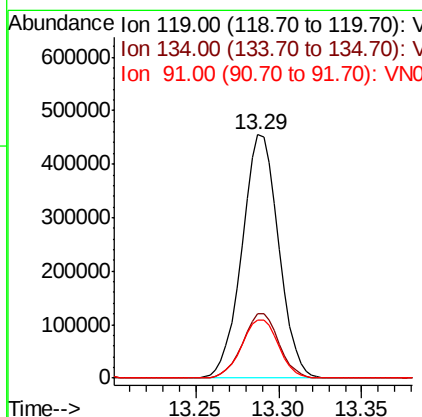
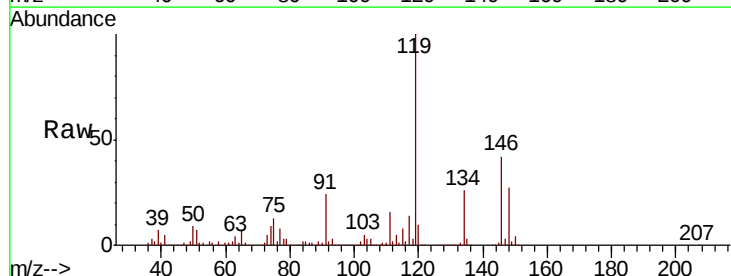
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

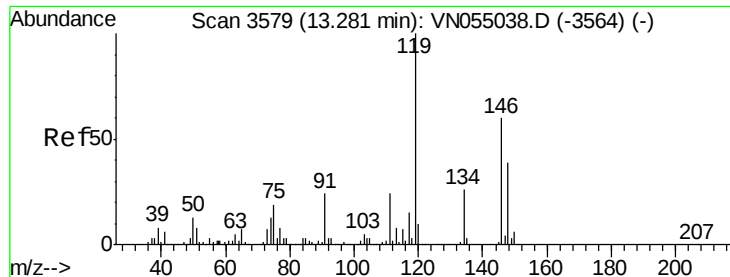
Tot Ion:105 Resp: 801825
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 45.639 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Tgt Ion:119 Resp: 695708
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.5
 91 24.2 11.7 35.1

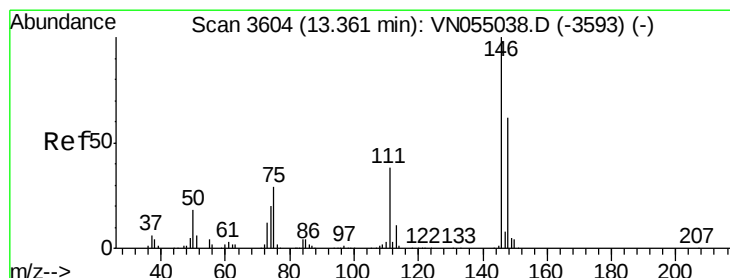
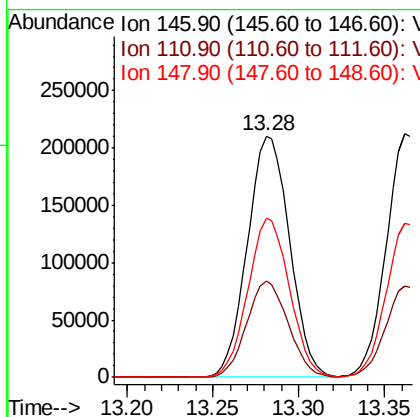
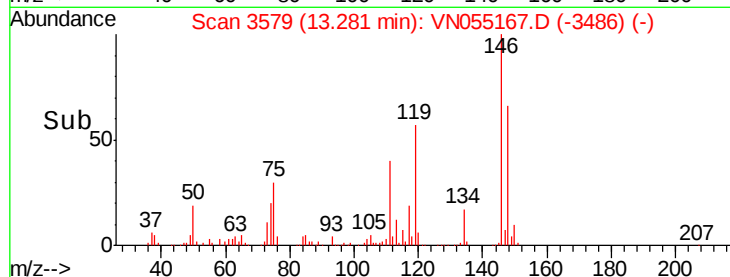
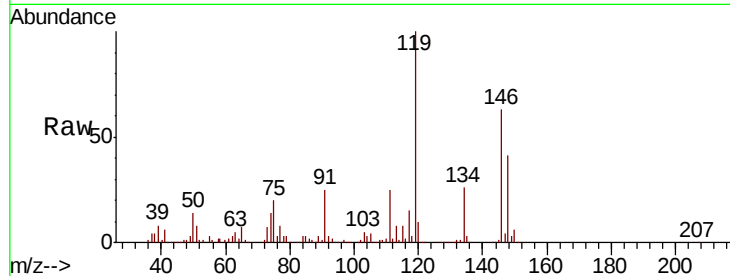




#87
 1,3-Dichlorobenzene
 Concen: 46.141 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

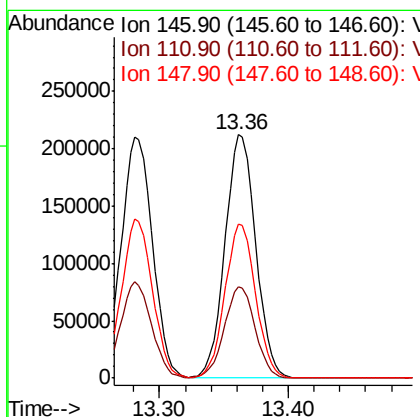
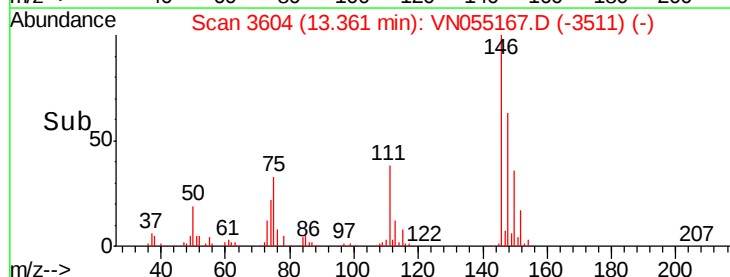
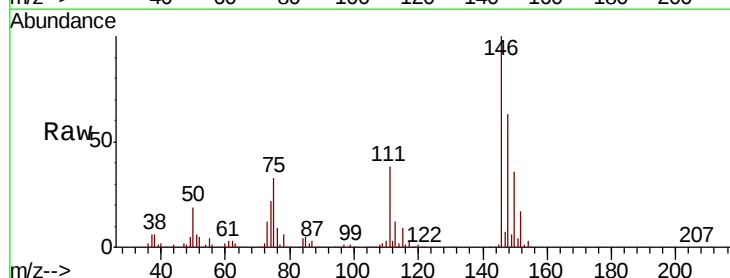
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

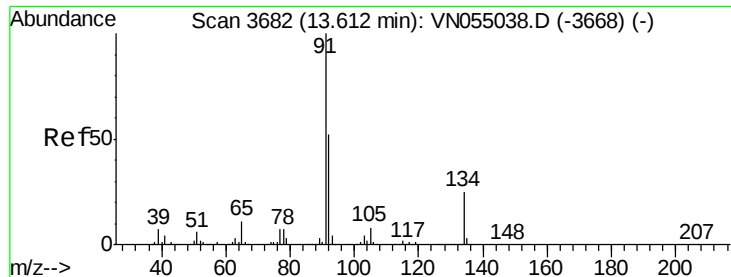
Tot Ion:146 Resp: 357731
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.5 58.5
 148 64.9 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 47.427 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Tgt Ion:146 Resp: 350641
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.8 56.4
 148 63.1 32.4 97.2





#89

n-Butylbenzene

Concen: 47.074 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

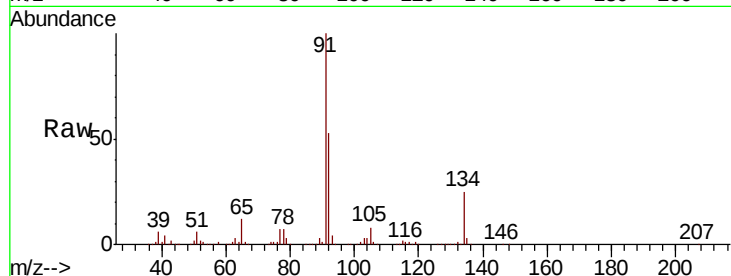
Tot Ion: 91 Resp: 532703

Ion Ratio Lower Upper

91 100

92 52.5 25.9 77.7

134 25.2 12.8 38.3

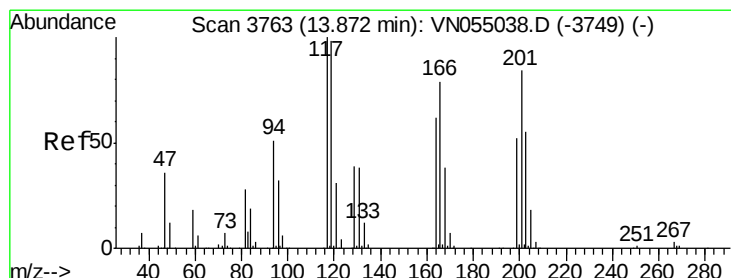
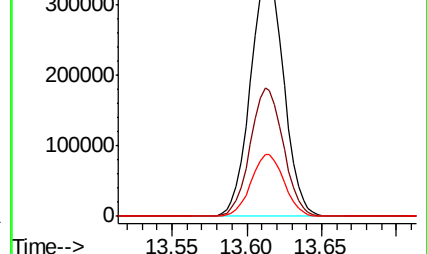
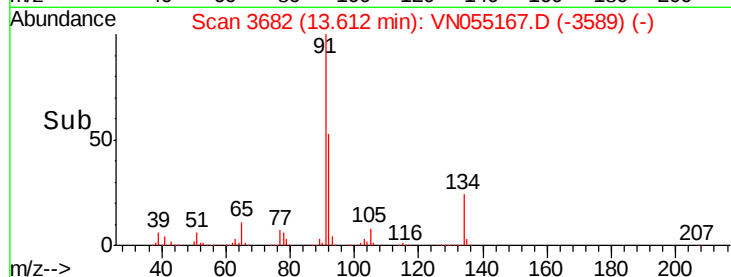


Abundance Ion 91.00 (90.70 to 91.70): VN055167.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN055167.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN055167.D (-3682) (-)

Time-->



#90

Hexachloroethane

Concen: 48.508 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055167.D

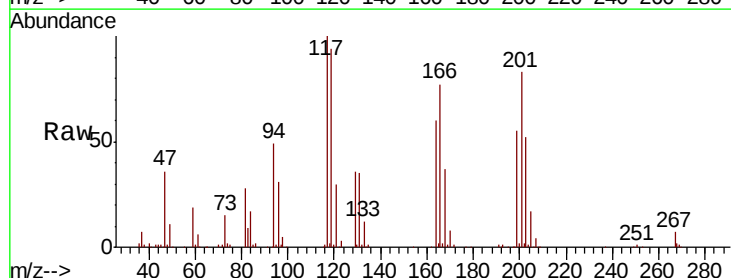
Acq: 20 Apr 2019 3:36

Tgt Ion: 117 Resp: 120317

Ion Ratio Lower Upper

117 100

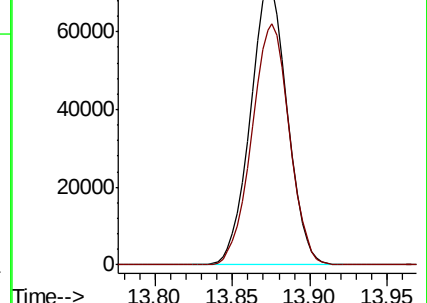
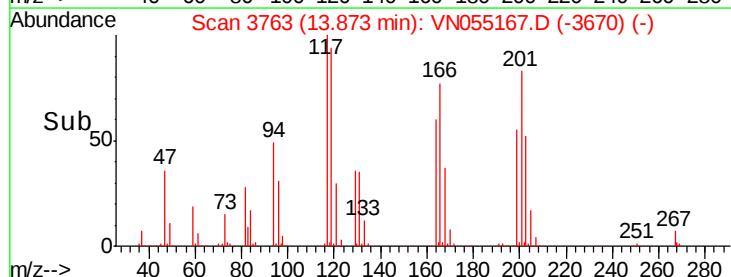
201 86.9 43.4 130.2

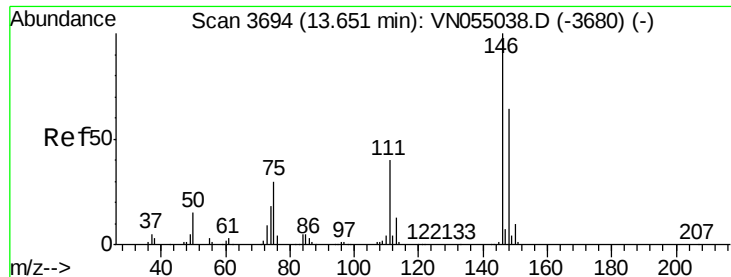


Abundance Ion 116.80 (116.50 to 117.50): VN055167.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN055167.D (-3763) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 46.803 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

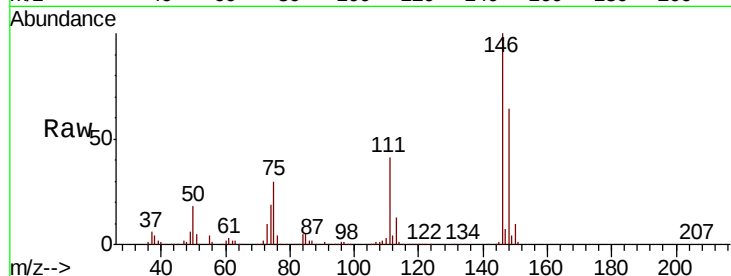
Tot Ion:146 Resp: 365097

Ion Ratio Lower Upper

146 100

111 40.6 20.3 60.9

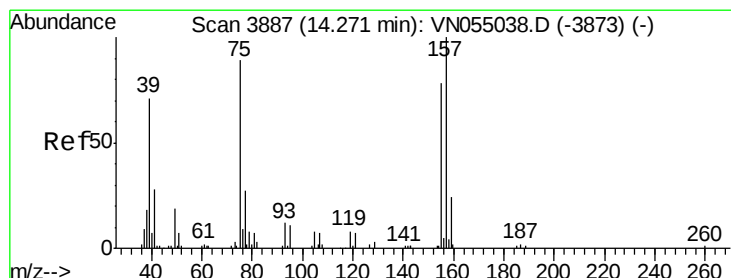
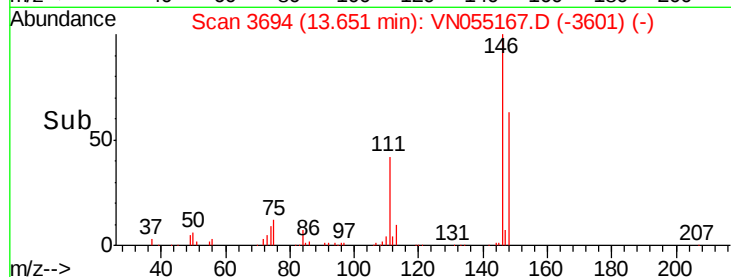
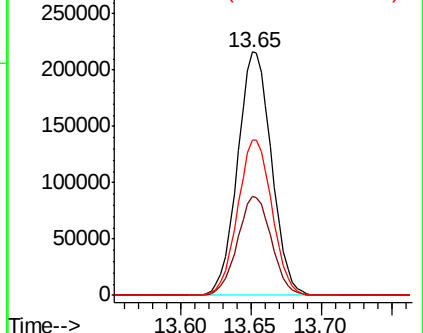
148 64.4 32.2 96.6



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: 55.108 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

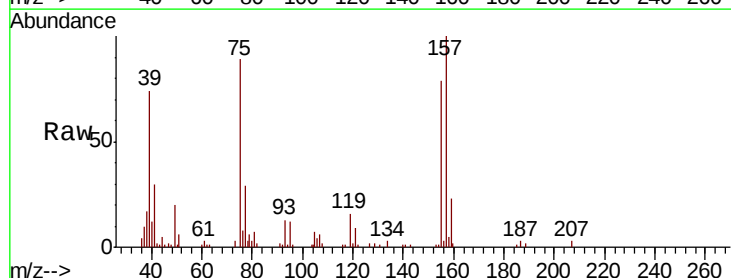
Tgt Ion: 75 Resp: 37152

Ion Ratio Lower Upper

75 100

155 85.1 42.0 126.0

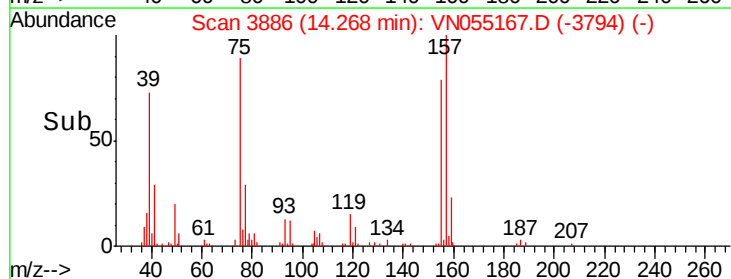
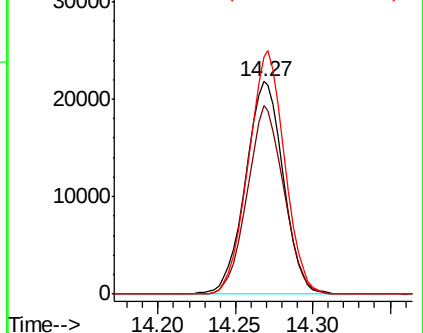
157 109.8 52.1 156.4

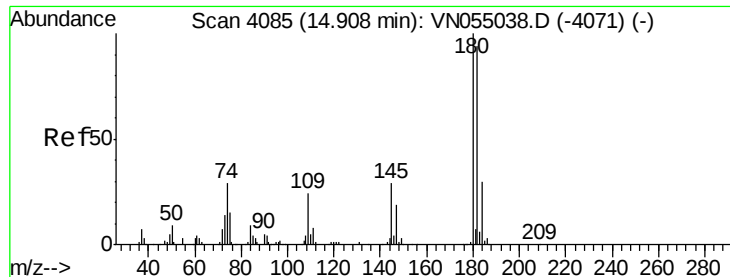


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

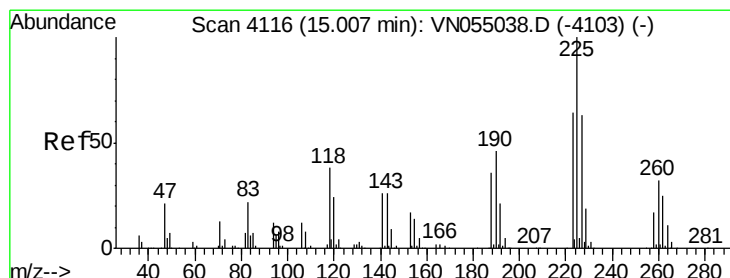
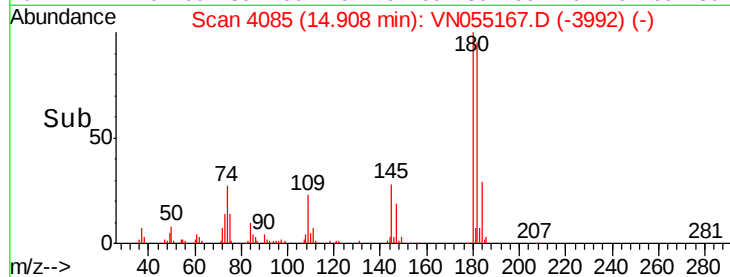
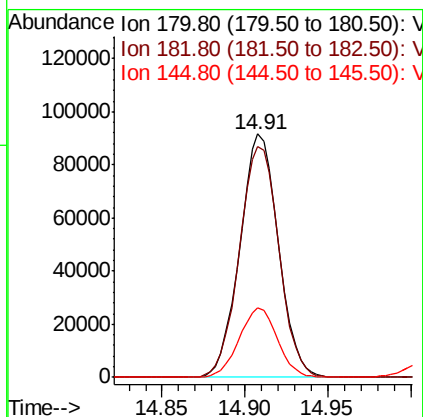
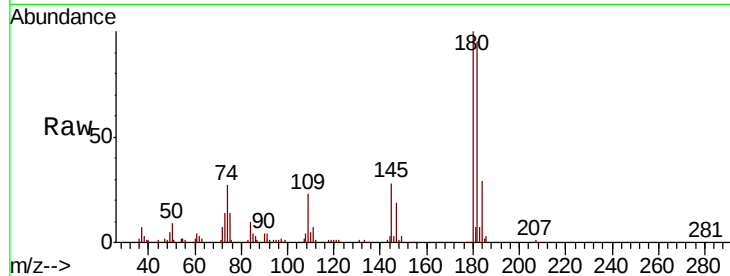




#93
 1,2,4-Trichlorobenzene
 Concen: 42.120 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

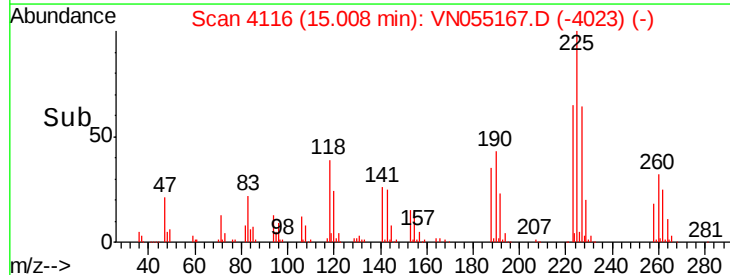
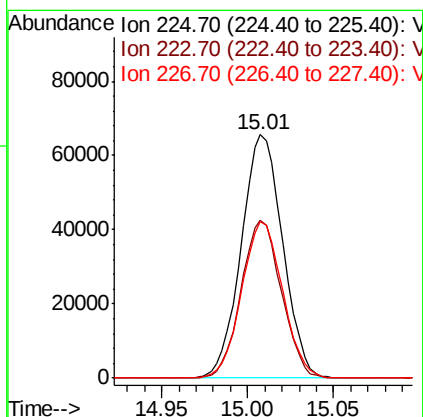
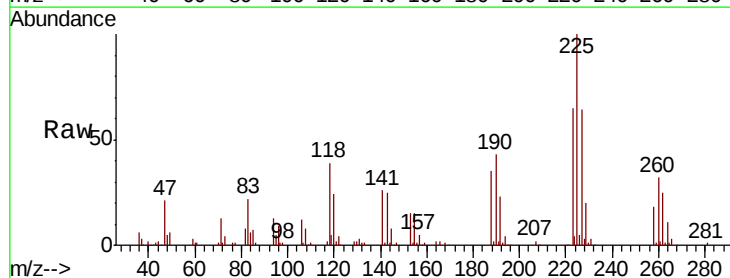
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

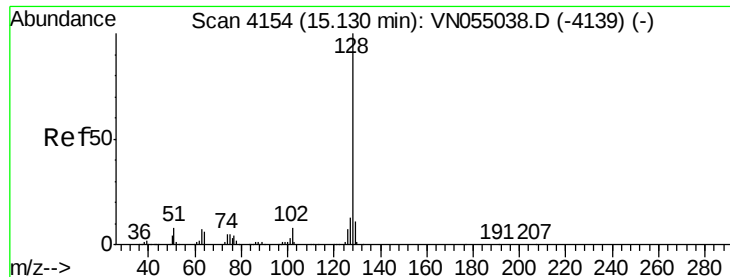
Tot Ion:180 Resp: 147363
 Ion Ratio Lower Upper
 180 100
 182 97.5 47.5 142.6
 145 28.4 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 45.490 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Tgt Ion:225 Resp: 109603
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.4 94.0
 227 63.5 32.6 97.7





#95

Naphthalene

Concen: 42.056 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

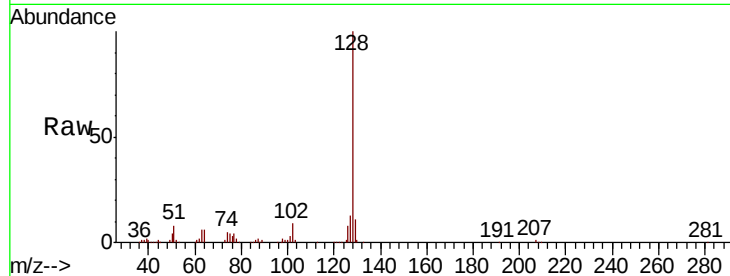
Tot Ion:128 Resp: 343592

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

129 10.8 8.8 13.2

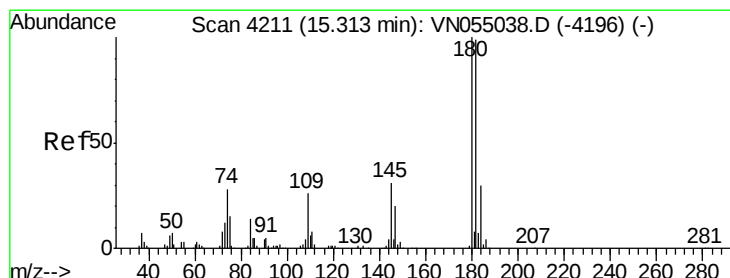
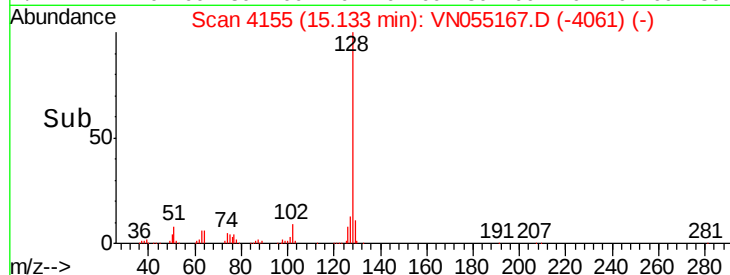
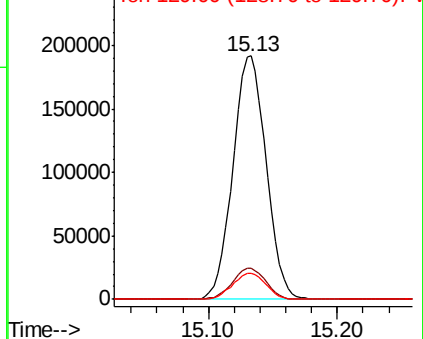


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.803 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

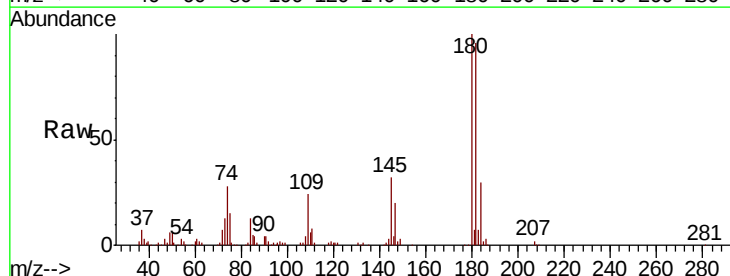
Tgt Ion:180 Resp: 155893

Ion Ratio Lower Upper

180 100

182 97.3 48.0 144.0

145 30.7 15.3 45.9



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

