

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN041519\
 Data File : VN055038.D
 Acq On : 15 Apr 2019 11:08
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Quant Time: Apr 15 12:00:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 11:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	422893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	672336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	592496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	254806	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	269532	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
35) Dibromofluoromethane	7.59	113	219344	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
50) Toluene-d8	10.09	98	810464	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.40	95	271008	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	231518	49.633	ug/l	99
3) Chloromethane	2.06	50	296825	47.452	ug/l	98
4) Vinyl Chloride	2.19	62	245179	48.302	ug/l	98
5) Bromomethane	2.55	94	139409	47.444	ug/l	99
6) Chloroethane	2.70	64	134773	48.146	ug/l	95
7) Trichlorofluoromethane	3.02	101	313492	49.236	ug/l	99
8) Diethyl Ether	3.41	74	98439	49.160	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	161187	48.537	ug/l	100
10) Methyl Iodide	3.94	142	244250	50.997	ug/l	99
11) Tert butyl alcohol	4.82	59	75125	230.044	ug/l	98
12) 1,1-Dichloroethene	3.73	96	156625	47.903	ug/l	94
13) Acrolein	3.61	56	85264	216.306	ug/l	98
14) Allyl chloride	4.32	41	406423	50.874	ug/l	100
15) Acrylonitrile	5.00	53	466918	259.226	ug/l	99
16) Acetone	3.82	43	347570	238.403	ug/l	99
17) Carbon Disulfide	4.04	76	517500	48.593	ug/l	98
18) Methyl Acetate	4.33	43	217034	48.024	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	599700	51.335	ug/l	99
20) Methylene Chloride	4.54	84	240923	45.096	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	216231	50.201	ug/l	95
22) Diisopropyl ether	5.96	45	838221	51.749	ug/l	99
23) Vinyl Acetate	5.90	43	2995449	264.402	ug/l	100
24) 1,1-Dichloroethane	5.84	63	437805	50.045	ug/l	99
25) 2-Butanone	6.85	43	591802	263.561	ug/l	99
26) 2,2-Dichloropropane	6.82	77	284484	49.153	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	253554	50.672	ug/l	99
28) Bromochloromethane	7.19	49	204007	49.151	ug/l	98
29) Tetrahydrofuran	7.22	42	381362	259.085	ug/l	99
30) Chloroform	7.37	83	416114	49.880	ug/l	100
31) Cyclohexane	7.65	56	398019	41.345	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	337222	50.742	ug/l	99
36) 1,1-Dichloropropene	7.79	75	309814	49.859	ug/l	99
37) Ethyl Acetate	6.94	43	252585	54.148	ug/l	98
38) Carbon Tetrachloride	7.77	117	284328	48.612	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	336165	47.256	ug/l	100
40) Benzene	8.04	78	945500	50.330	ug/l	99
41) Methacrylonitrile	7.17	41	142132	49.518	ug/l	98
42) 1,2-Dichloroethane	8.12	62	326567	49.415	ug/l	100
43) Isopropyl Acetate	8.17	43	417320	52.320	ug/l	99
44) Trichloroethene	8.83	130	237526	49.475	ug/l	99
45) 1,2-Dichloropropane	9.12	63	260637	49.164	ug/l	100
46) Dibromomethane	9.21	93	153300	50.466	ug/l	99
47) Bromodichloromethane	9.40	83	313634	50.771	ug/l	99
48) Methyl methacrylate	9.20	41	203509	49.528	ug/l	97
49) 1,4-Dioxane	9.20	88	37513	848.908	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1215752	260.313	ug/l	99
52) Toluene	10.15	92	556406	50.080	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	296076	52.931	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	360990	52.390	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	209291	50.568	ug/l	98
56) Ethyl methacrylate	10.43	69	280468	52.663	ug/l	96
57) 1,3-Dichloropropane	10.71	76	368889	51.667	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	530505	254.585	ug/l	99
59) 2-Hexanone	10.75	43	760542	260.595	ug/l	99
60) Dibromochloromethane	10.90	129	219053	53.172	ug/l	99
61) 1,2-Dibromoethane	11.01	107	201096	50.748	ug/l	99
64) Tetrachloroethene	10.63	164	220445	47.565	ug/l	97
65) Chlorobenzene	11.43	112	583789	51.100	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	215785	51.253	ug/l	99
67) Ethyl Benzene	11.51	91	1043719	49.736	ug/l	99
68) m/p-Xylenes	11.62	106	781637	101.806	ug/l	99
69) o-Xylene	11.95	106	382613	50.367	ug/l	99
70) Styrene	11.96	104	643113	53.393	ug/l	99
71) Bromoform	12.13	173	136872	53.816	ug/l #	100
73) Isopropylbenzene	12.25	105	1000976	46.203	ug/l	99
74) N-amyl acetate	12.07	43	324356	49.672	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	267580	47.705	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	311342	66.416	ug/l #	100
77) Bromobenzene	12.53	156	251817	47.317	ug/l	99
78) n-propylbenzene	12.59	91	1123947	47.618	ug/l	100
79) 2-Chlorotoluene	12.67	91	685099	46.985	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	828493	46.976	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	57653	50.762	ug/l	98
82) 4-Chlorotoluene	12.77	91	671389	47.610	ug/l	98
83) tert-Butylbenzene	12.99	119	688352	45.559	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	814162	48.144	ug/l	99
85) sec-Butylbenzene	13.17	105	895360	46.414	ug/l	100
86) p-Isopropyltoluene	13.29	119	790382	47.104	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	416312	48.102	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	402308	48.602	ug/l	99
89) n-Butylbenzene	13.61	91	636391	48.291	ug/l	100
90) Hexachloroethane	13.87	117	123328	44.480	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	414187	49.297	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37246	51.067	ug/l	96

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Quant Title : SW846 8260
QLast Update : Mon Apr 15 11:57:07 2019
Response via : Initial Calibration

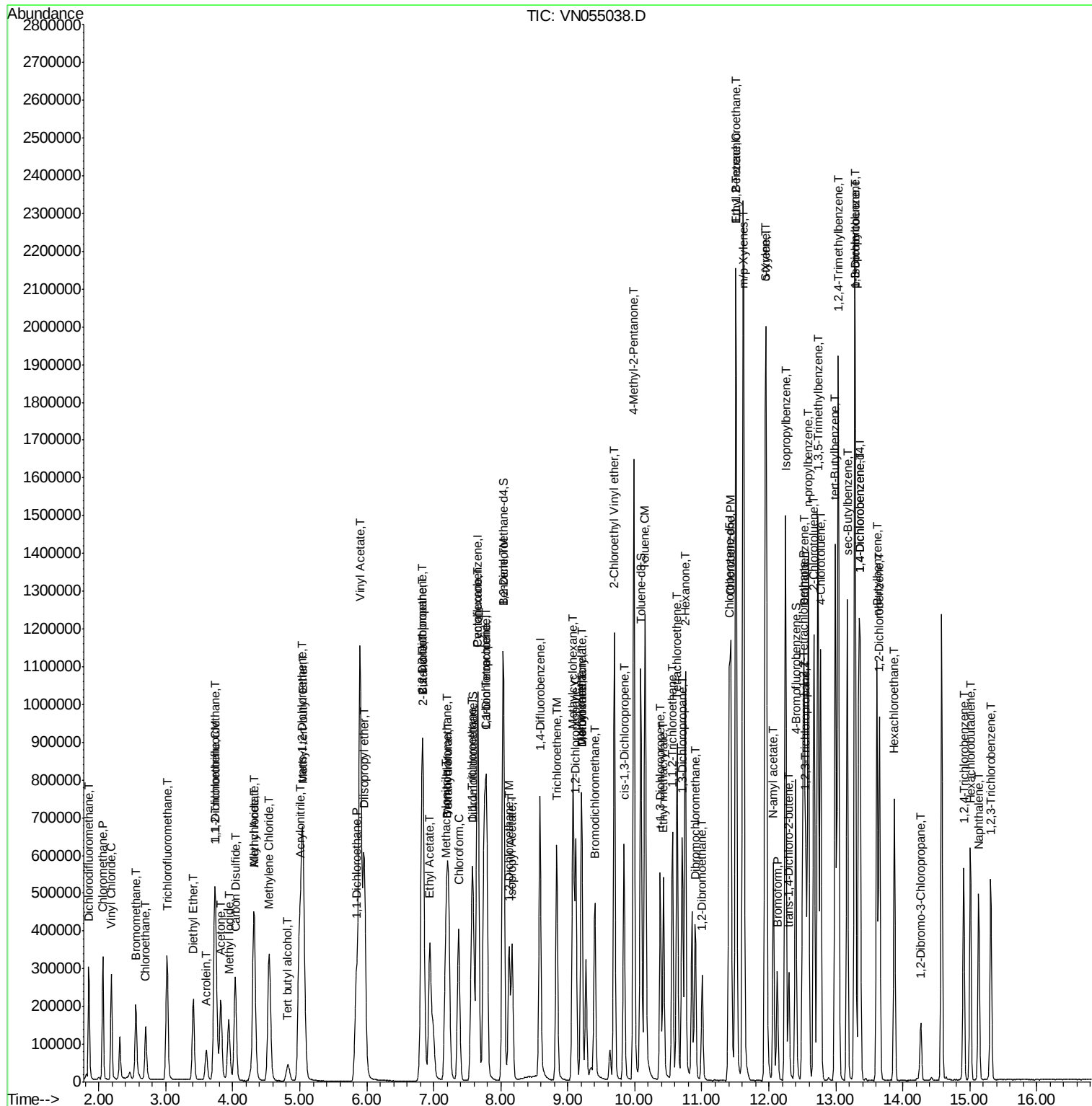
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	184448	52.133	ug/l	100
94) Hexachlorobutadiene	15.01	225	121905	41.631	ug/l	99
95) Naphthalene	15.13	128	420787	50.815	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	183755	48.484	ug/l	99

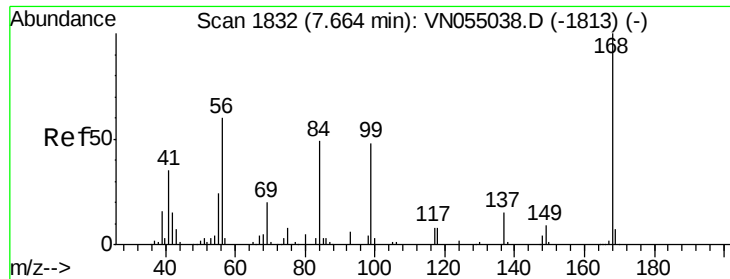
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

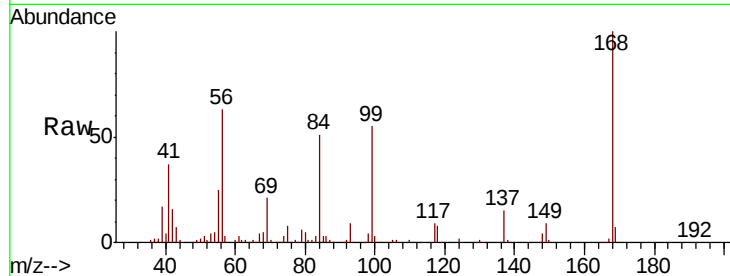
VSTDICCC050

Tgt Ion:168 Resp: 422893

Ion Ratio Lower Upper

168 100

99 54.5 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

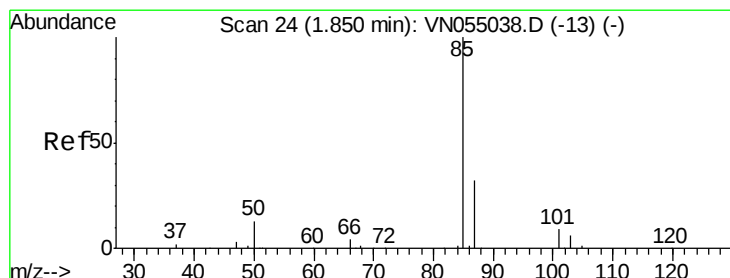
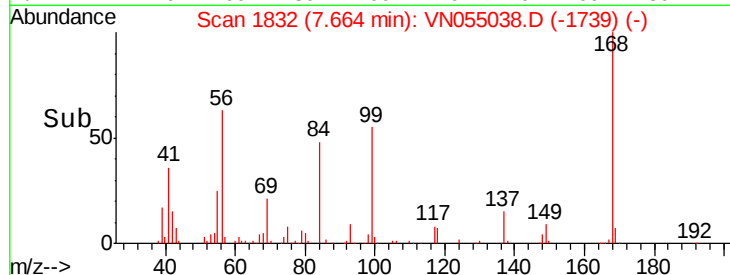
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.633 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055038.D

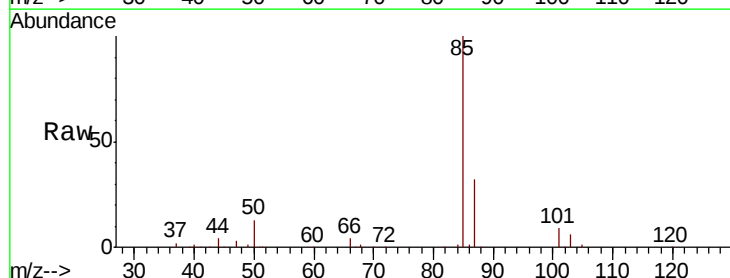
Acq: 15 Apr 2019 11:08

Tgt Ion: 85 Resp: 231518

Ion Ratio Lower Upper

85 100

87 31.6 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

200000

150000

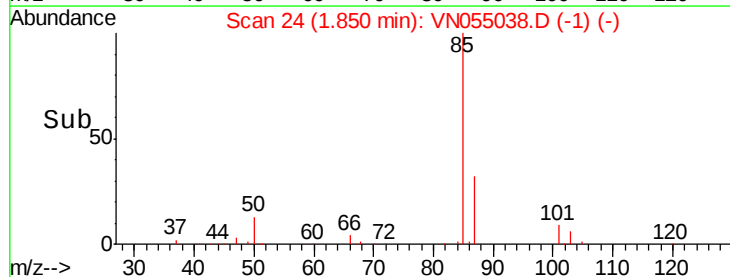
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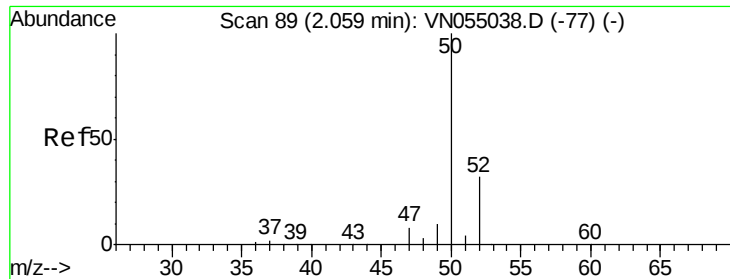
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 47.452 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

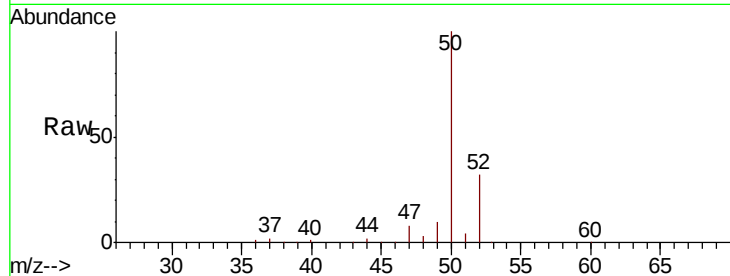
VSTDICCC050

Tgt Ion: 50 Resp: 296825

Ion Ratio Lower Upper

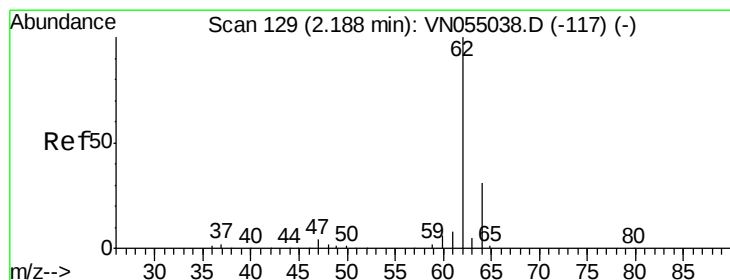
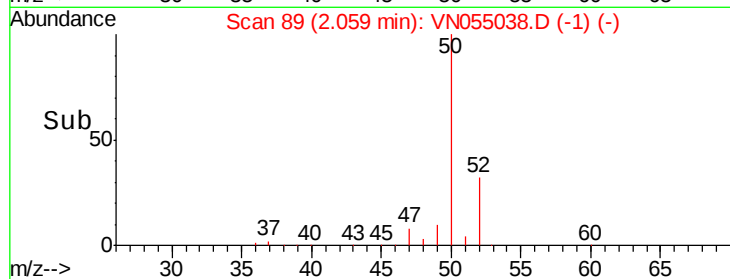
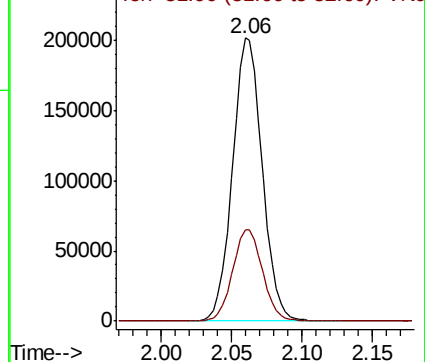
50 100

52 32.4 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 48.302 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055038.D

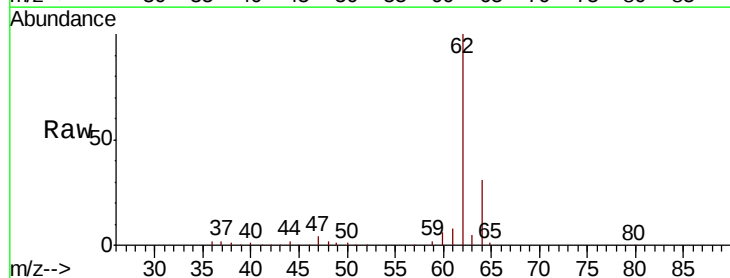
Acq: 15 Apr 2019 11:08

Tgt Ion: 62 Resp: 245179

Ion Ratio Lower Upper

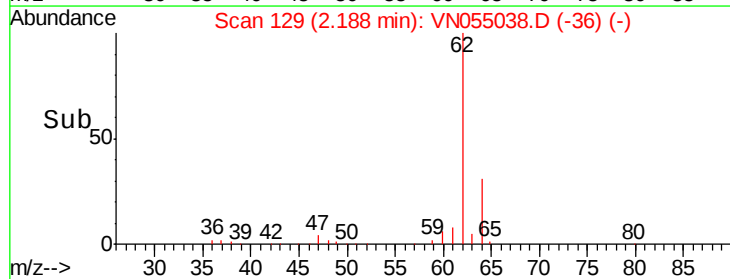
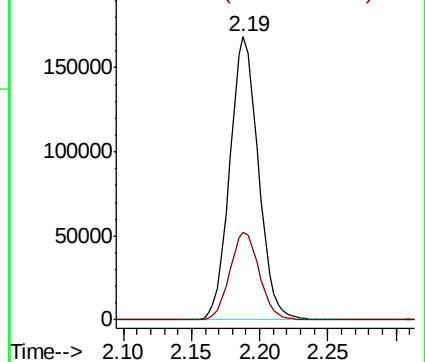
62 100

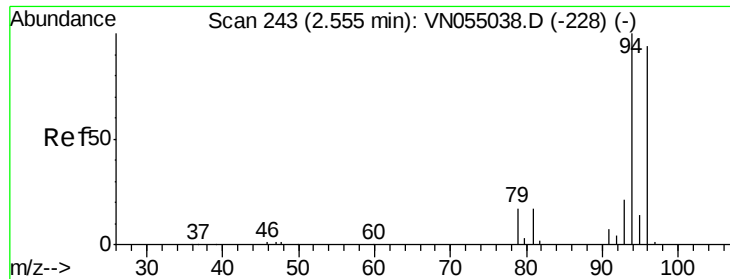
64 31.1 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 47.444 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

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ClientSampleId :

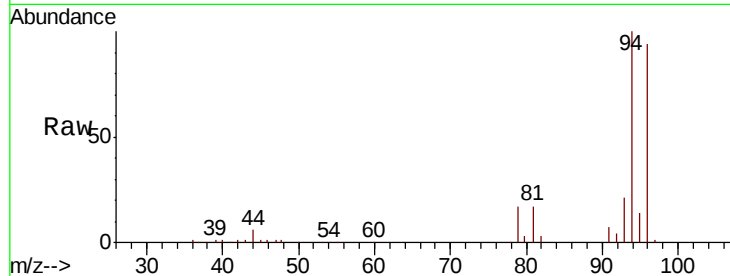
VSTDICCC050

Tgt Ion: 94 Resp: 139409

Ion Ratio Lower Upper

94 100

96 94.4 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN055038.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VN055038.D (-228) (-)

2.55

80000

60000

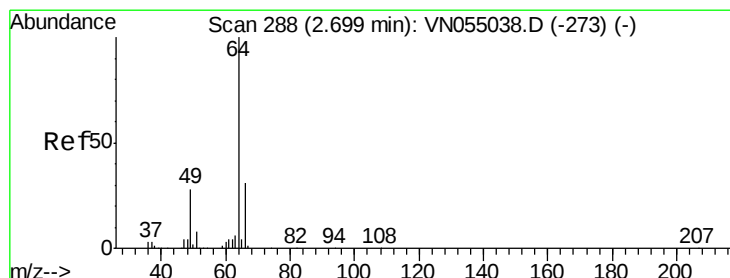
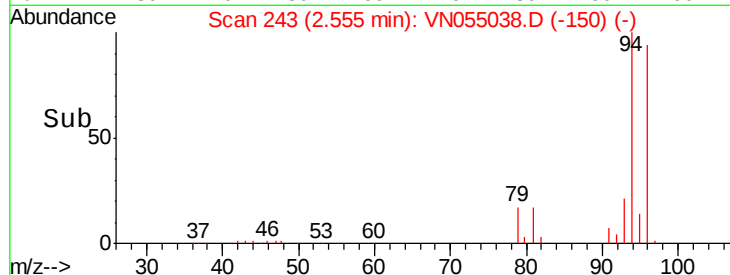
40000

20000

0

Time-->

2.50 2.60



#6

Chloroethane

Concen: 48.146 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN055038.D

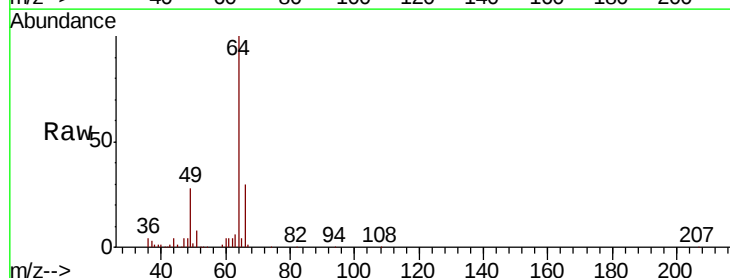
Acq: 15 Apr 2019 11:08

Tgt Ion: 64 Resp: 134773

Ion Ratio Lower Upper

64 100

66 30.5 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN055038.D (-273) (-)

Ion 65.90 (65.60 to 66.60): VN055038.D (-273) (-)

2.70

80000

60000

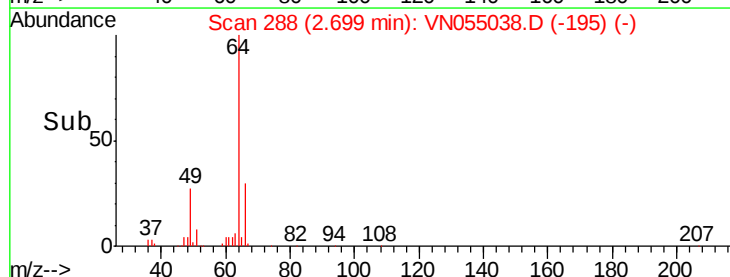
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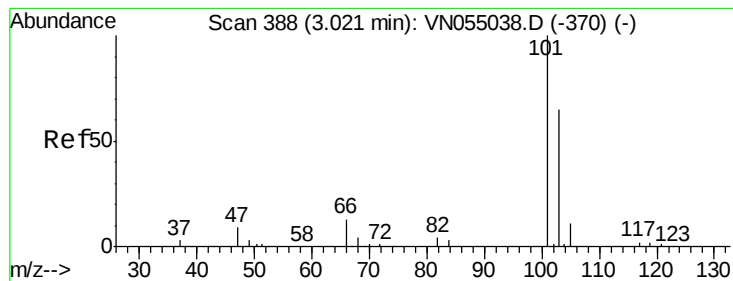
20000

0

Time-->

2.60 2.70 2.80





#7

Trichlorofluoromethane

Concen: 49.236 ug/l

RT: 3.02 min Scan# 388

Delta R.T. 0.00 min

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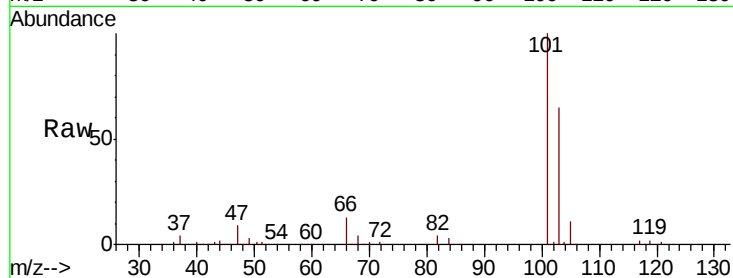
VSTDICCC050

Tgt Ion:101 Resp: 313492

Ion Ratio Lower Upper

101 100

103 64.6 52.5 78.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.02

150000

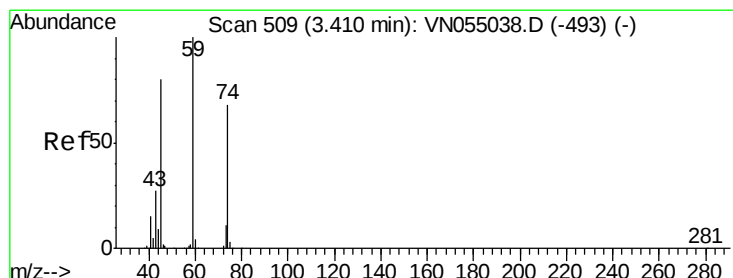
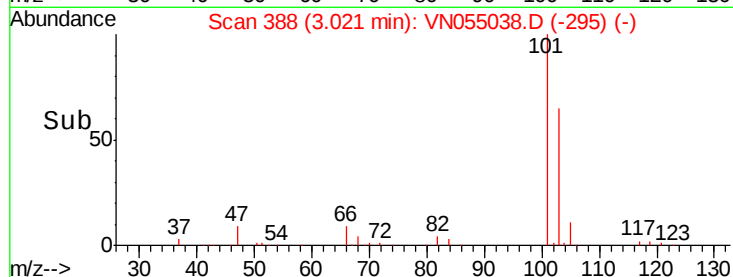
100000

50000

0

Time-->

2.90 3.00 3.10



#8

Diethyl Ether

Concen: 49.160 ug/l

RT: 3.41 min Scan# 509

Delta R.T. 0.00 min

Lab File: VN055038.D

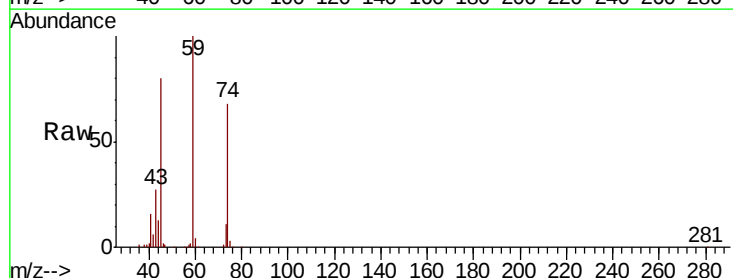
Acq: 15 Apr 2019 11:08

Tgt Ion: 74 Resp: 98439

Ion Ratio Lower Upper

74 100

45 116.7 55.7 167.1



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

60000

50000

40000

30000

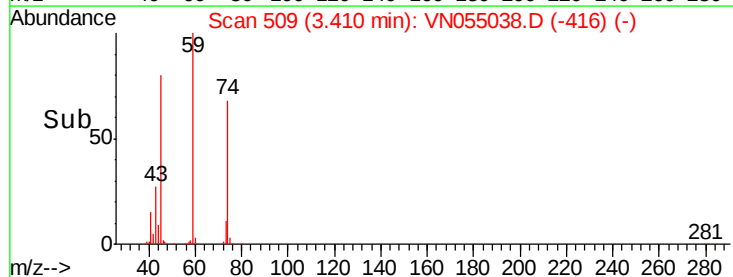
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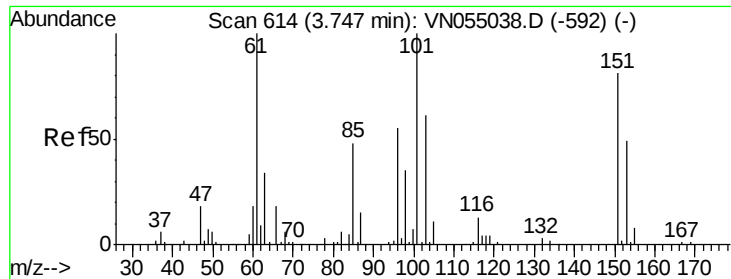
10000

0

Time-->

3.35 3.40 3.45 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.537 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

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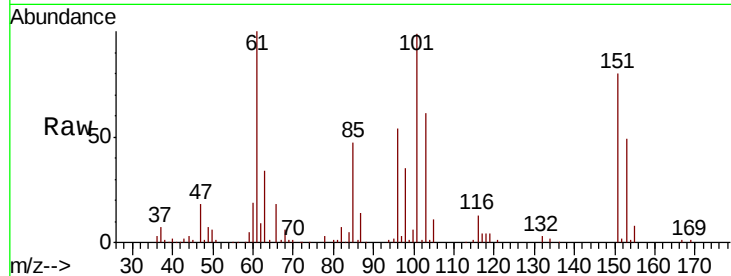
Tgt Ion:101 Resp: 161187

Ion Ratio Lower Upper

101 100

85 46.9 36.9 55.3

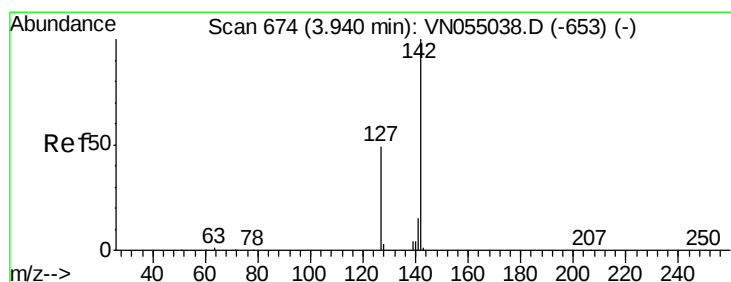
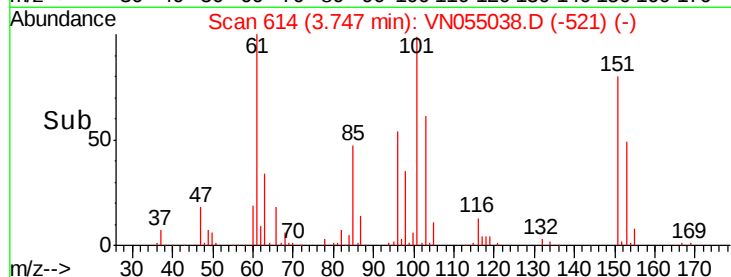
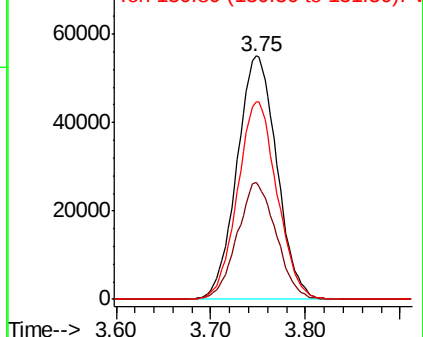
151 80.5 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.997 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

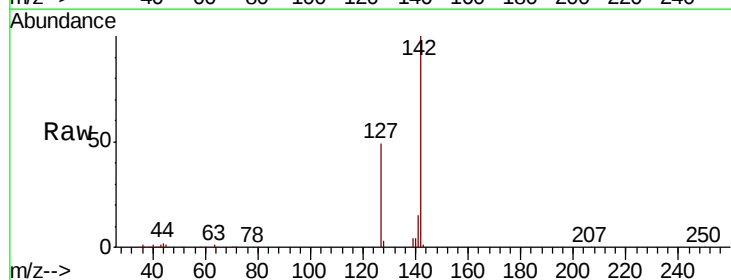
Tgt Ion:142 Resp: 244250

Ion Ratio Lower Upper

142 100

127 48.5 37.9 56.9

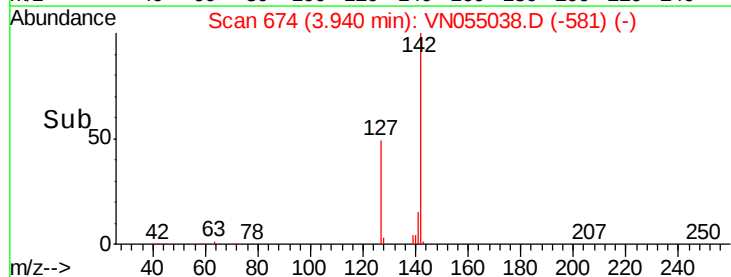
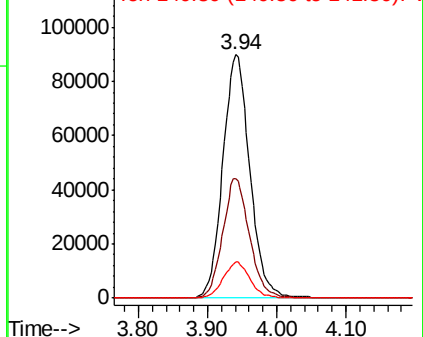
141 14.5 11.8 17.8

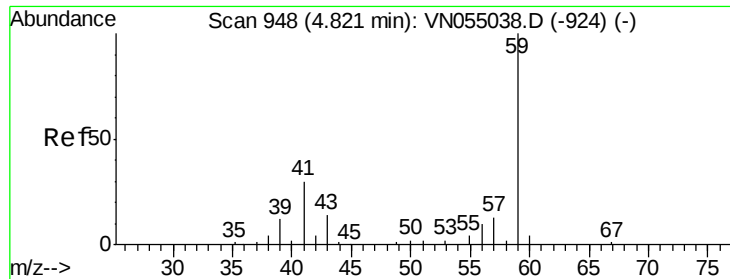


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

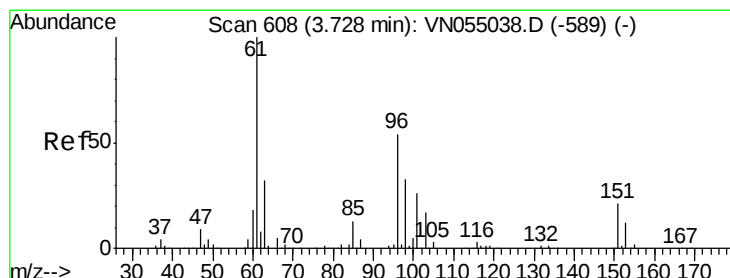
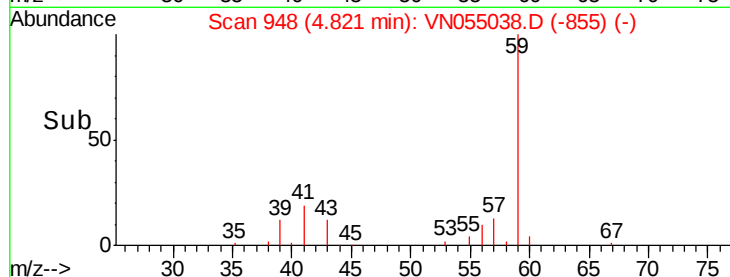
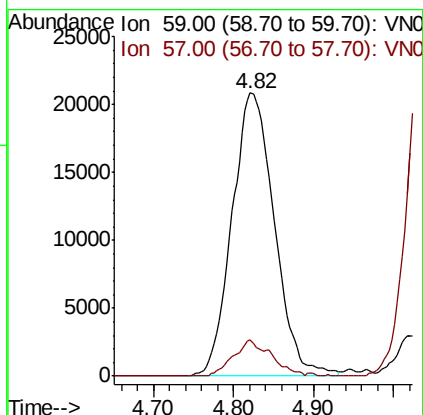
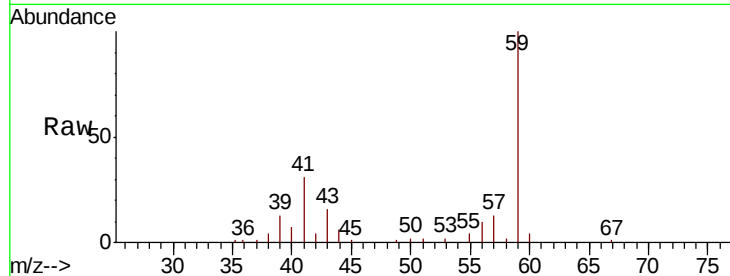




#11
Tert butyl alcohol
Concen: 230.044 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

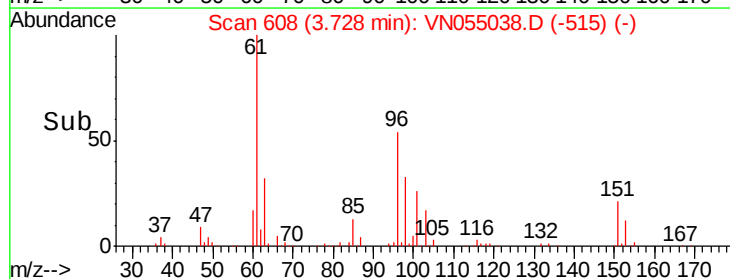
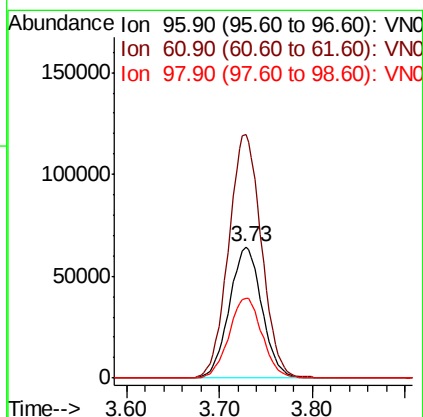
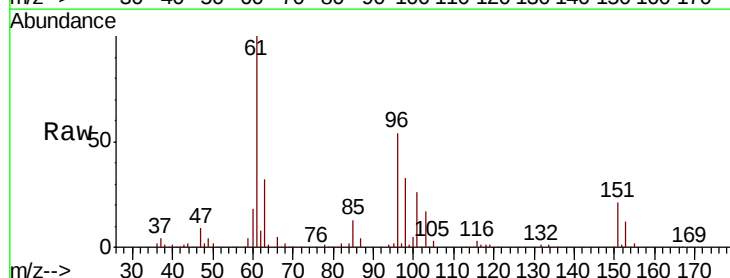
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

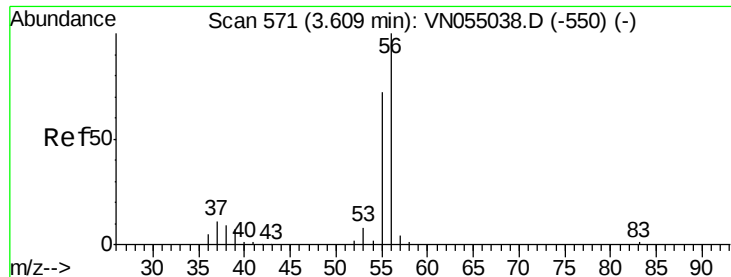
Tgt Ion: 59 Resp: 75125
Ion Ratio Lower Upper
59 100
57 11.3 8.3 12.5



#12
1,1-Dichloroethene
Concen: 47.903 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

Tgt Ion: 96 Resp: 156625
Ion Ratio Lower Upper
96 100
61 185.1 154.2 231.4
98 61.0 52.9 79.3





#13

Acrolein

Concen: 216.306 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

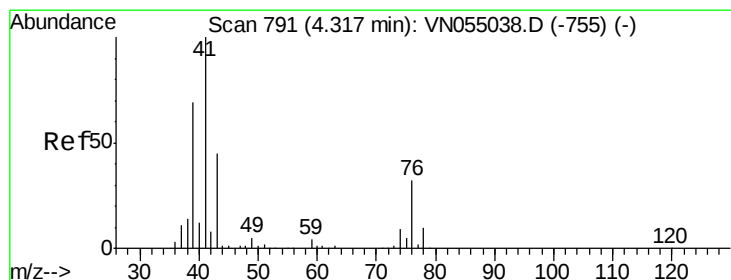
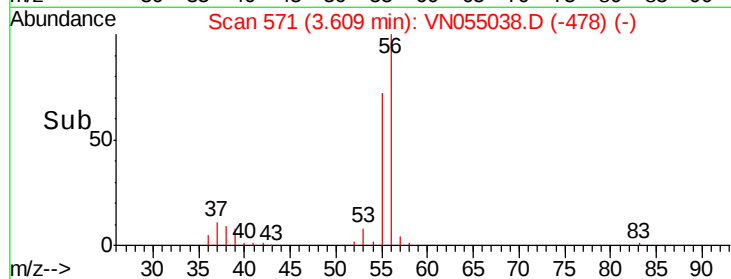
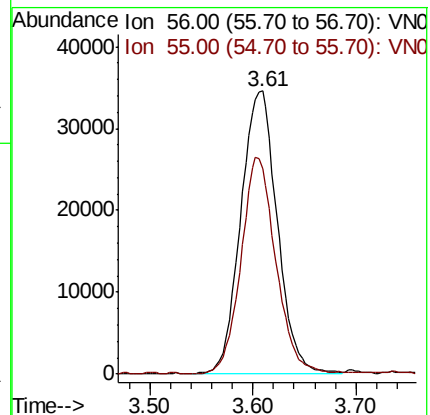
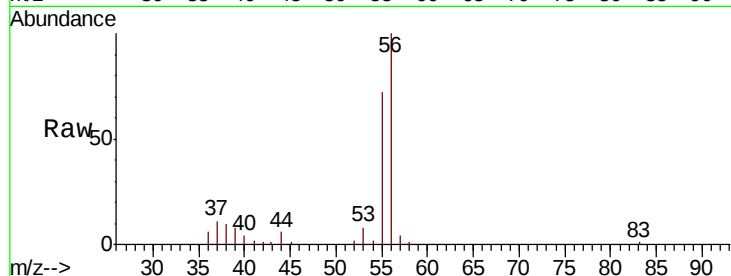
VSTDICCC050

Tgt Ion: 56 Resp: 85264

Ion Ratio Lower Upper

56 100

55 73.1 59.5 89.3



#14

Allyl chloride

Concen: 50.874 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

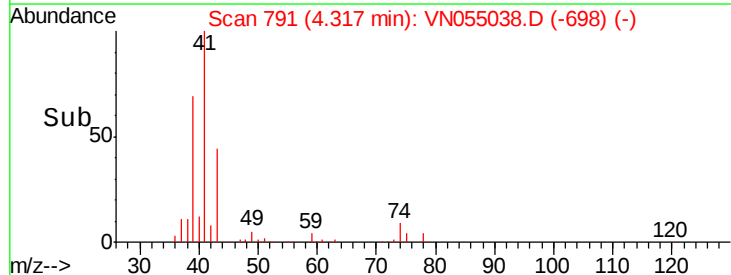
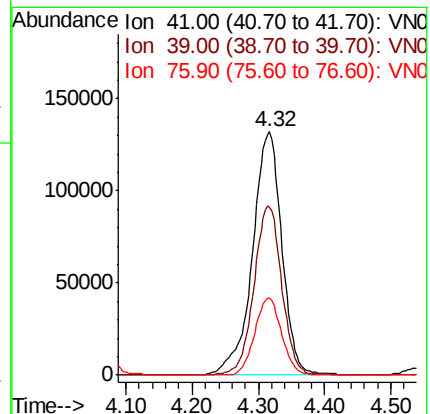
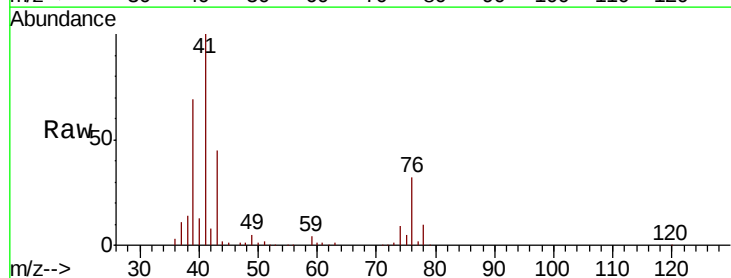
Tgt Ion: 41 Resp: 406423

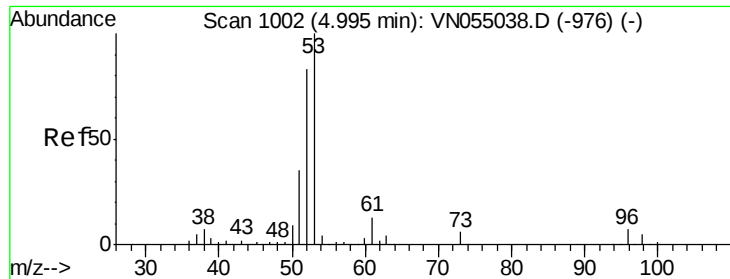
Ion Ratio Lower Upper

41 100

39 65.5 52.7 79.1

76 29.0 23.2 34.8





#15

Acrylonitrile

Concen: 259.226 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

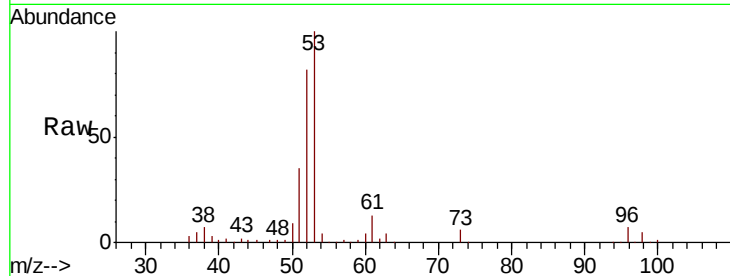
Tgt Ion: 53 Resp: 466918

Ion Ratio Lower Upper

53 100

52 81.8 65.9 98.9

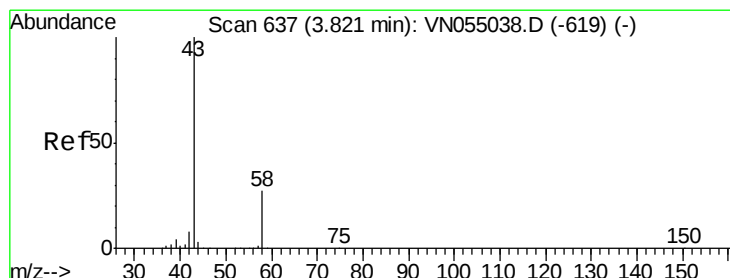
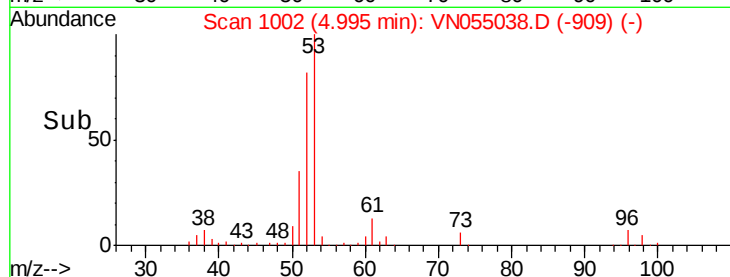
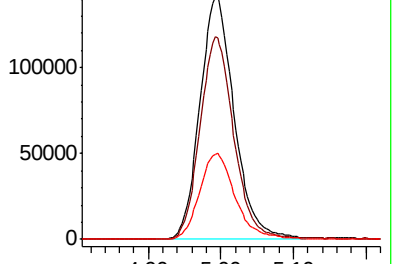
51 36.9 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN055038.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN055038.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN055038.D (-976) (-)



#16

Acetone

Concen: 238.403 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055038.D

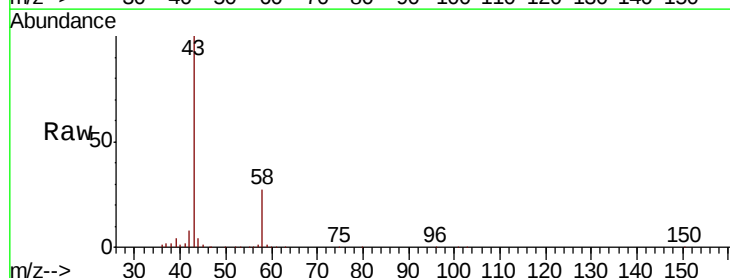
Acq: 15 Apr 2019 11:08

Tgt Ion: 43 Resp: 347570

Ion Ratio Lower Upper

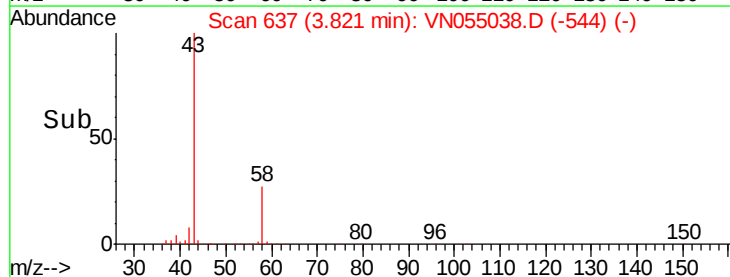
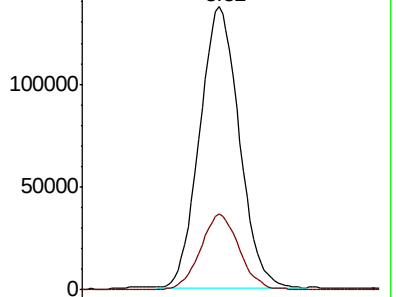
43 100

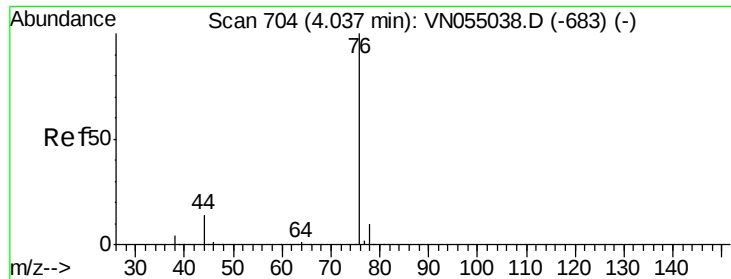
58 26.7 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-619) (-)

Ion 58.00 (57.70 to 58.70): VN055038.D (-619) (-)

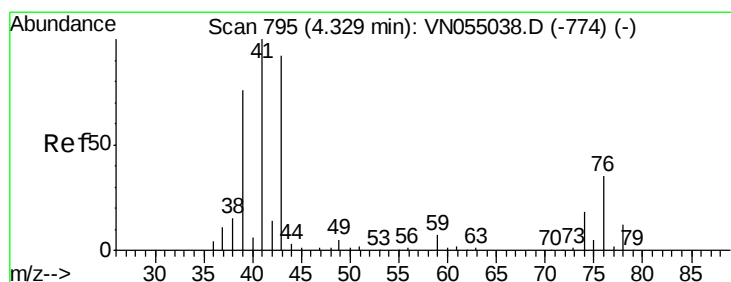
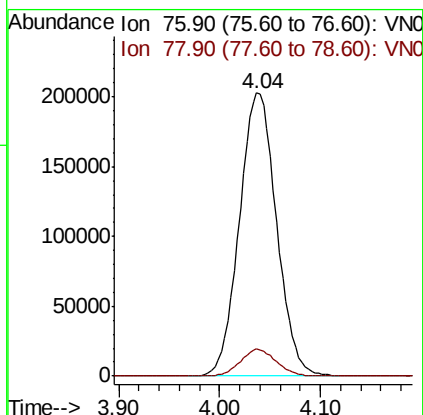
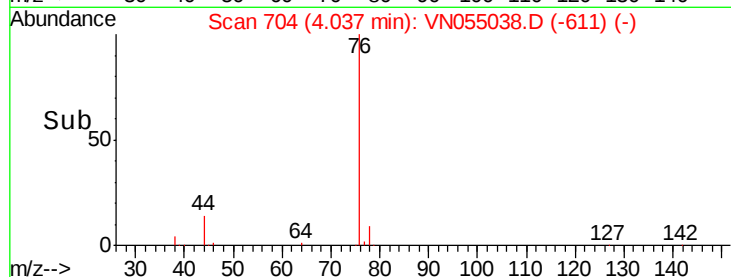
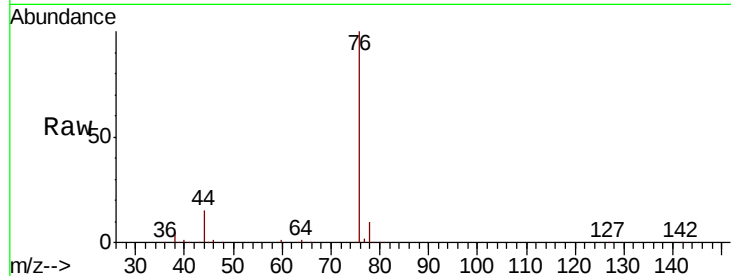




#17
Carbon Disulfide
Concen: 48.593 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

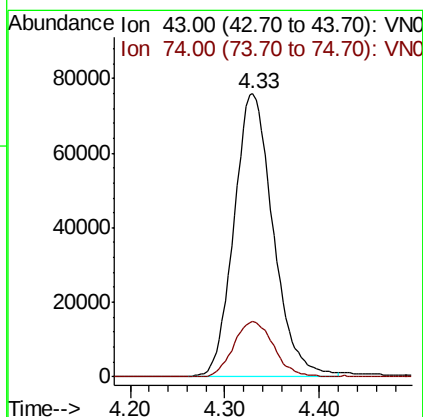
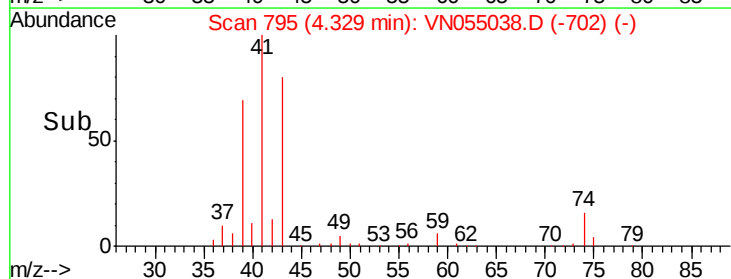
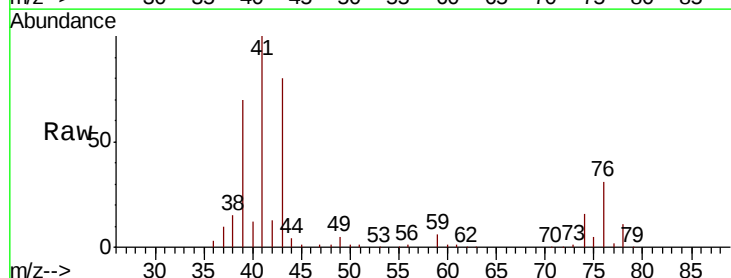
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

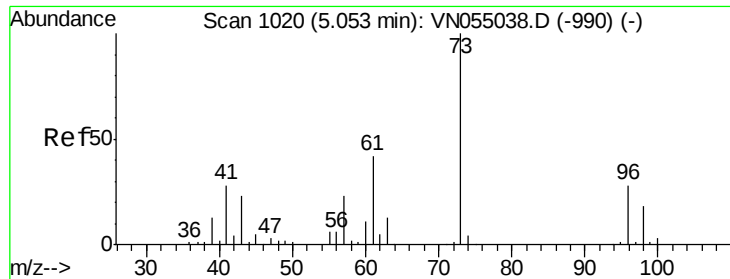
Tgt Ion: 76 Resp: 517500
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8



#18
Methyl Acetate
Concen: 48.024 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

Tgt Ion: 43 Resp: 217034
Ion Ratio Lower Upper
43 100
74 20.2 16.1 24.1

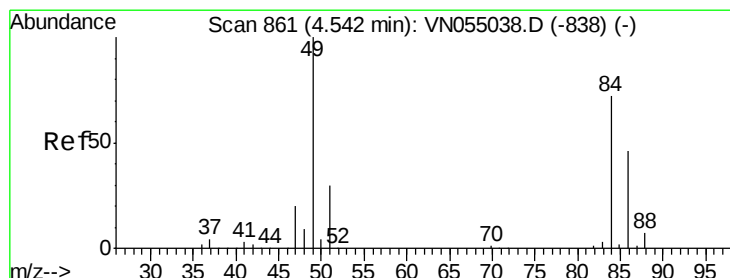
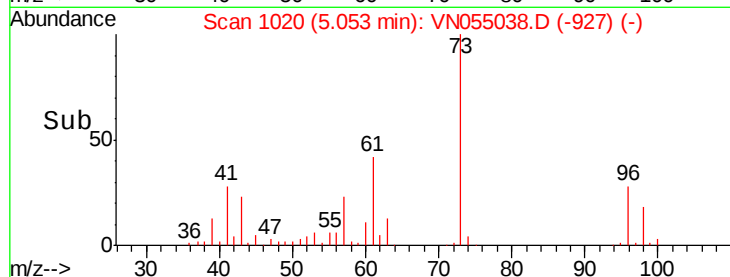
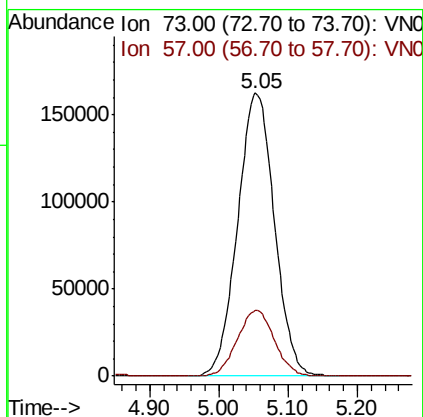
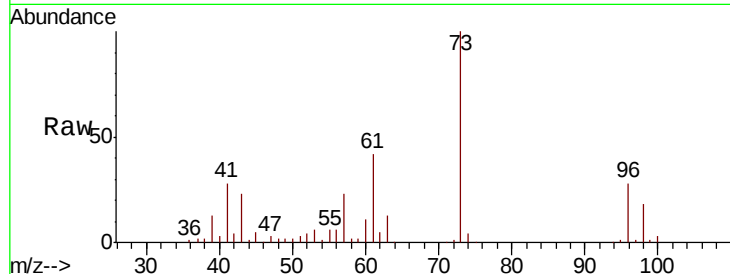




#19
Methyl tert-butyl Ether
Concen: 51.335 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

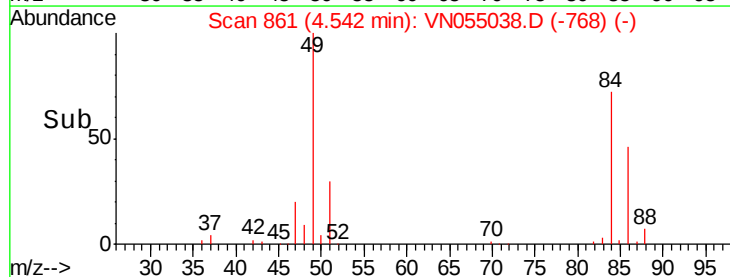
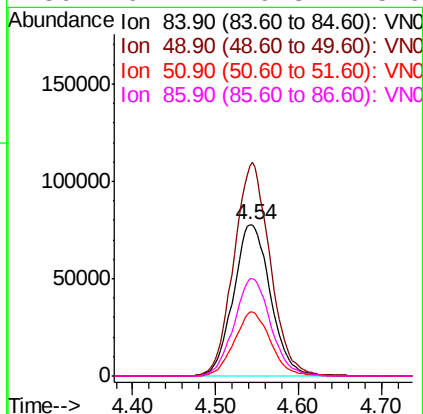
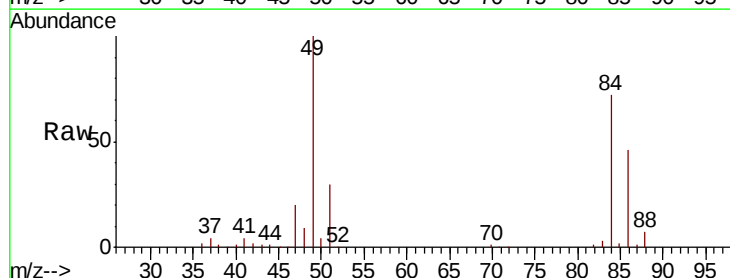
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

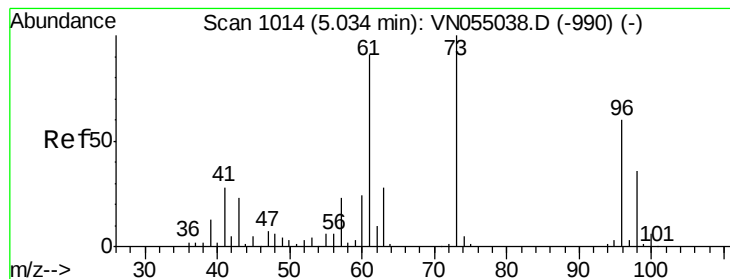
Tgt Ion: 73 Resp: 599700
Ion Ratio Lower Upper
73 100
57 23.2 19.0 28.4



#20
Methylene Chloride
Concen: 45.096 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

Tgt Ion: 84 Resp: 240923
Ion Ratio Lower Upper
84 100
49 138.7 109.4 164.2
51 42.1 32.2 48.4
86 64.1 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 50.201 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

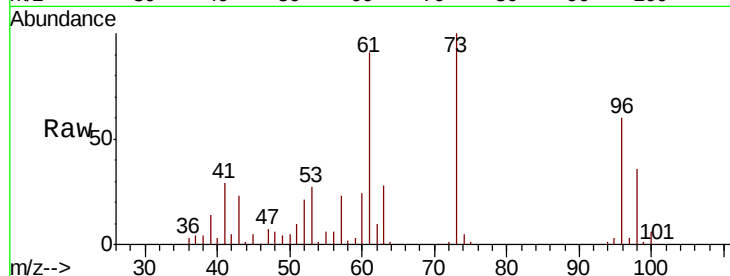
Tgt Ion: 96 Resp: 216231

Ion Ratio Lower Upper

96 100

61 152.1 114.9 172.3

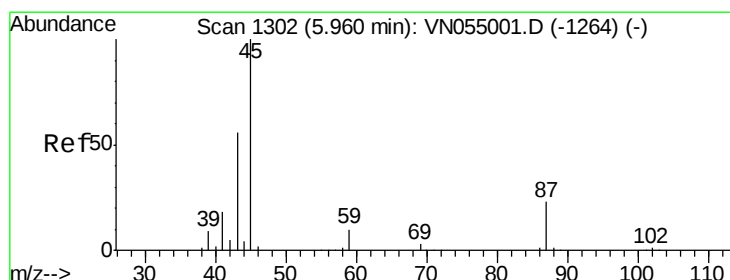
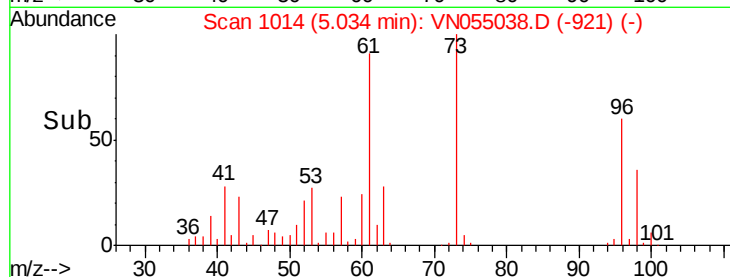
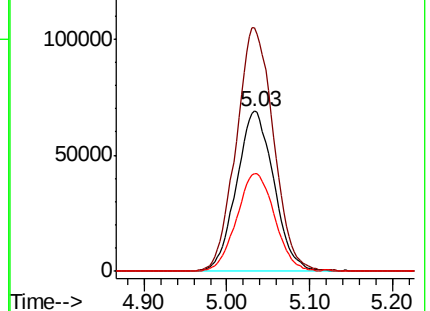
98 60.8 48.4 72.6



Abundance Ion 95.90 (95.60 to 96.60): VN055038.D (-990) (-)

Ion 60.90 (60.60 to 61.60): VN055038.D (-990) (-)

Ion 97.90 (97.60 to 98.60): VN055038.D (-990) (-)



#22

Diisopropyl ether

Concen: 51.749 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Tgt Ion: 45 Resp: 838221

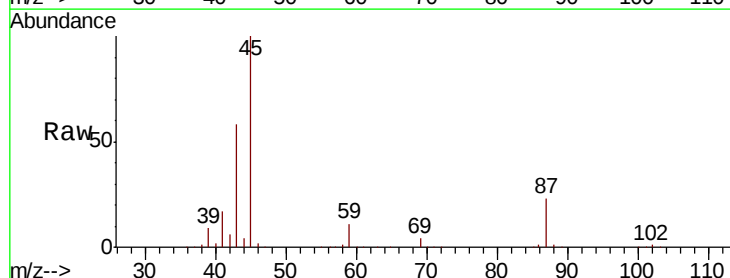
Ion Ratio Lower Upper

45 100

43 56.9 44.8 67.2

87 22.6 18.9 28.3

59 10.5 7.9 11.9

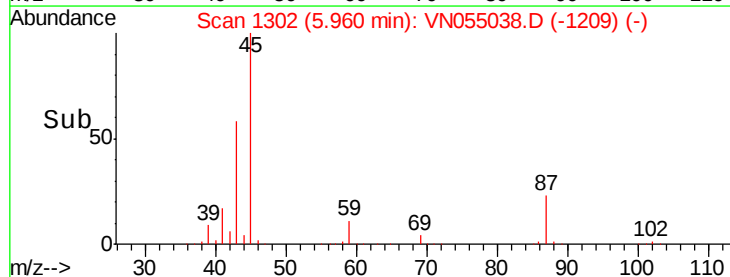
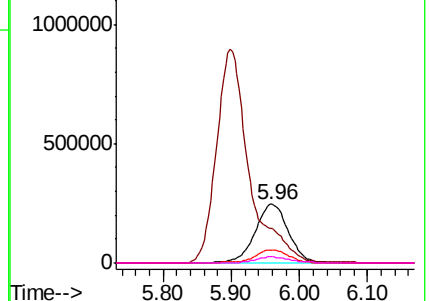


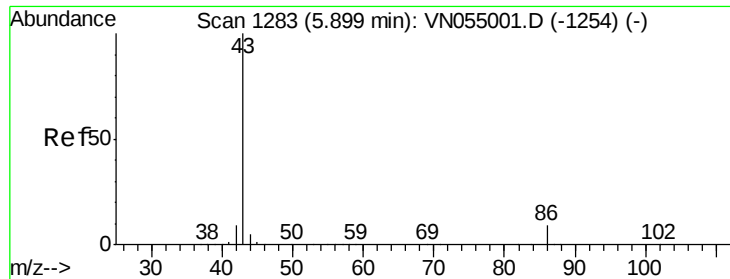
Abundance Ion 45.00 (44.70 to 45.70): VN055038.D (-1209) (-)

Ion 43.00 (42.70 to 43.70): VN055038.D (-1209) (-)

Ion 87.00 (86.70 to 87.70): VN055038.D (-1209) (-)

Ion 59.00 (58.70 to 59.70): VN055038.D (-1209) (-)

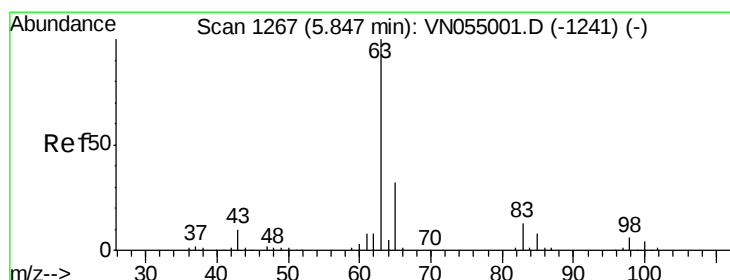
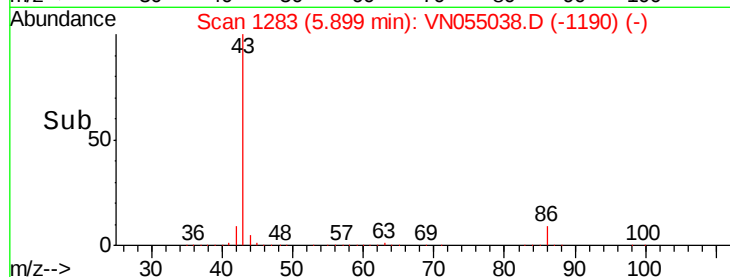
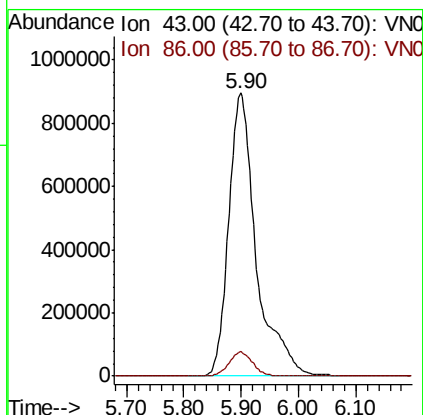
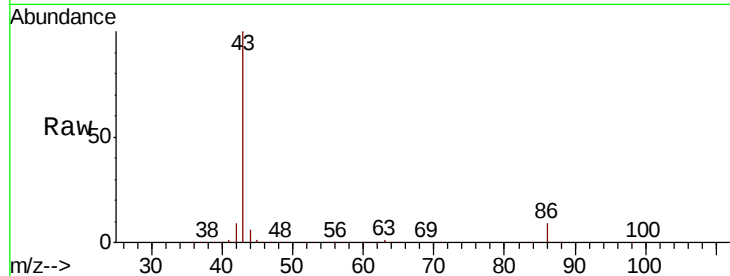




#23
 Vinyl Acetate
 Concen: 264.402 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055038.D
 Acq: 15 Apr 2019 11:08

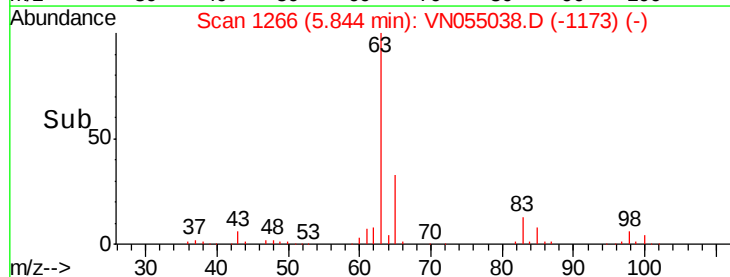
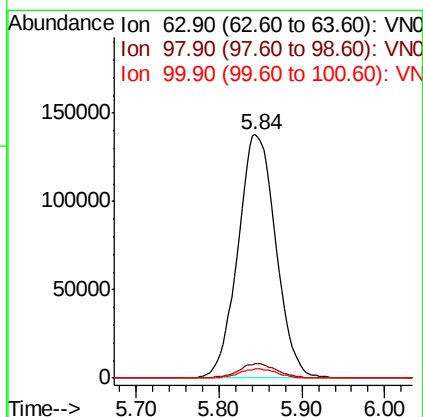
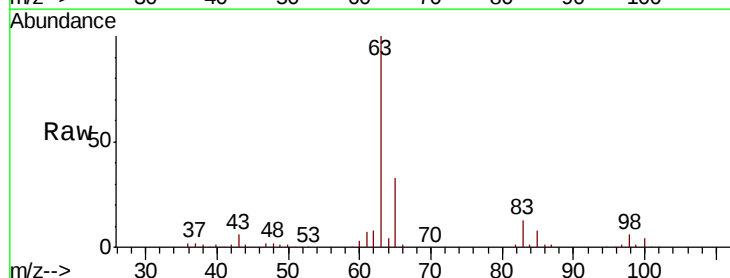
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

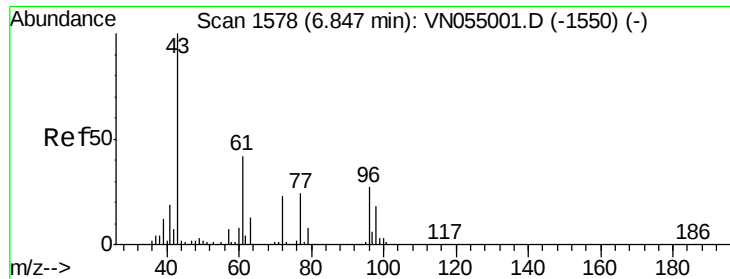
Tgt Ion: 43 Resp: 2995449
 Ion Ratio Lower Upper
 43 100
 86 8.6 7.0 10.4



#24
 1,1-Dichloroethane
 Concen: 50.045 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055038.D
 Acq: 15 Apr 2019 11:08

Tgt Ion: 63 Resp: 437805
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.8 8.4
 100 3.7 2.0 5.8

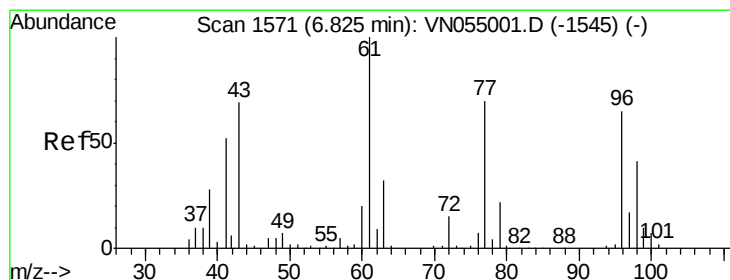
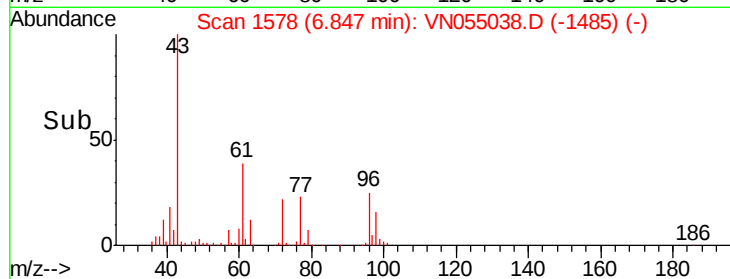
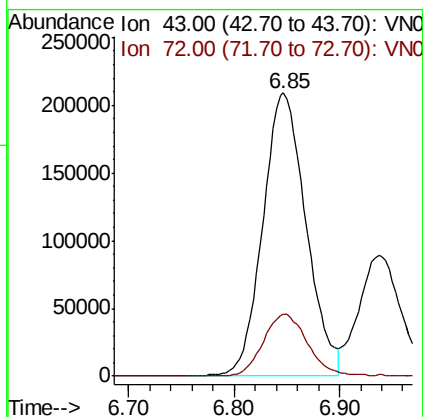
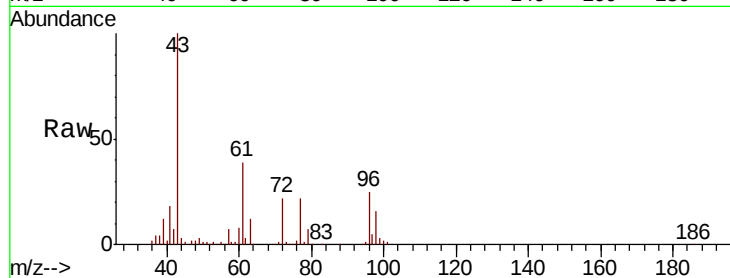




#25
2-Butanone
Concen: 263.561 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

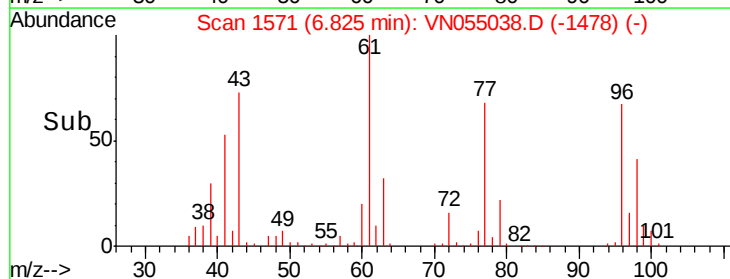
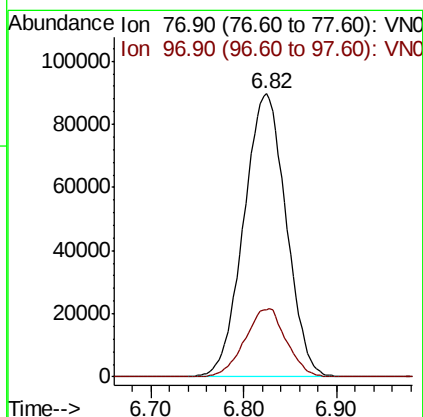
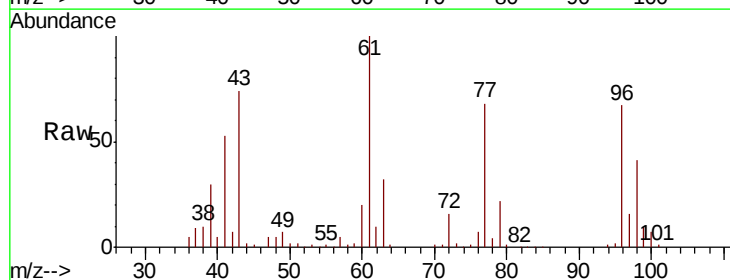
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

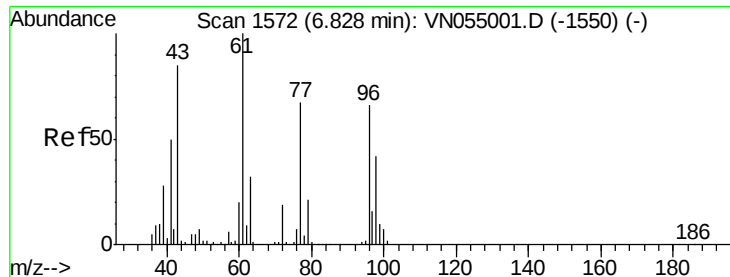
Tgt Ion: 43 Resp: 591802
Ion Ratio Lower Upper
43 100
72 22.1 18.1 27.1



#26
2,2-Dichloropropane
Concen: 49.153 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

Tgt Ion: 77 Resp: 284484
Ion Ratio Lower Upper
77 100
97 23.6 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 50.672 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

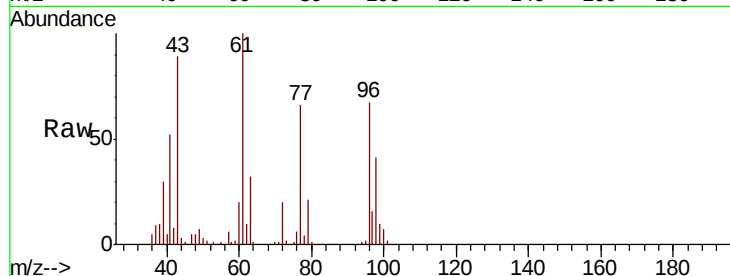
Tgt Ion: 96 Resp: 253554

Ion Ratio Lower Upper

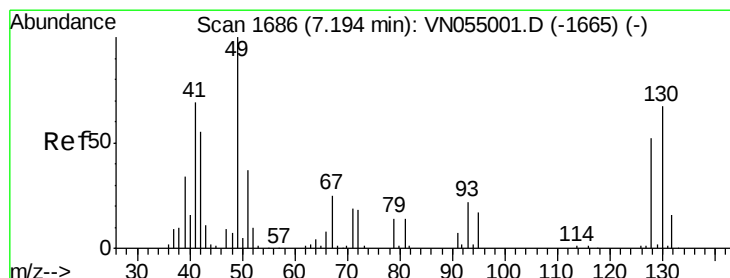
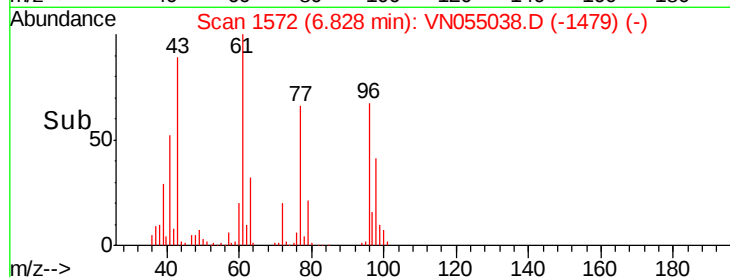
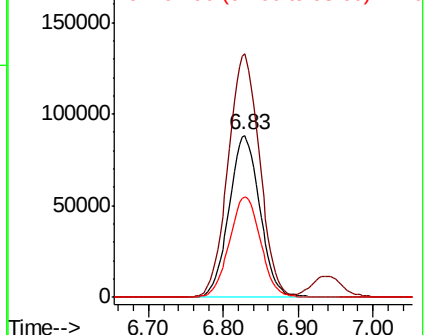
96 100

61 153.2 0.0 311.0

98 63.1 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: 49.151 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

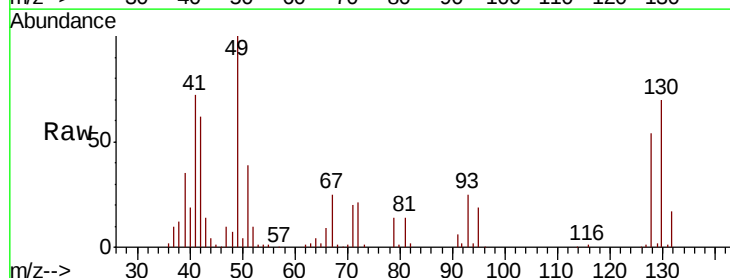
Tgt Ion: 49 Resp: 204007

Ion Ratio Lower Upper

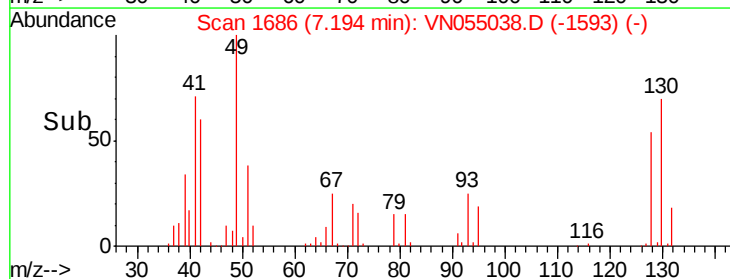
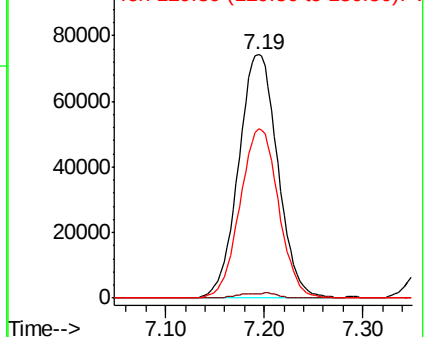
49 100

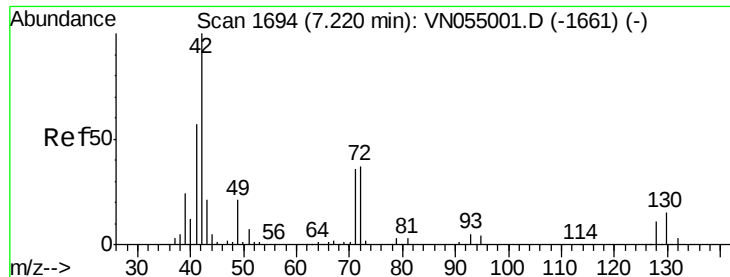
129 2.0 0.0 2.0

130 68.5 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

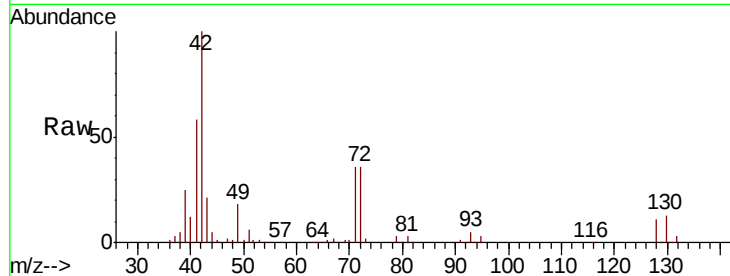




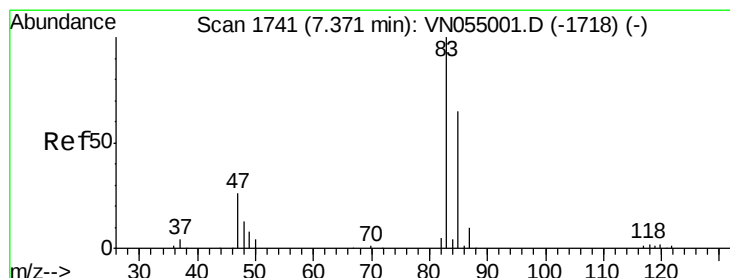
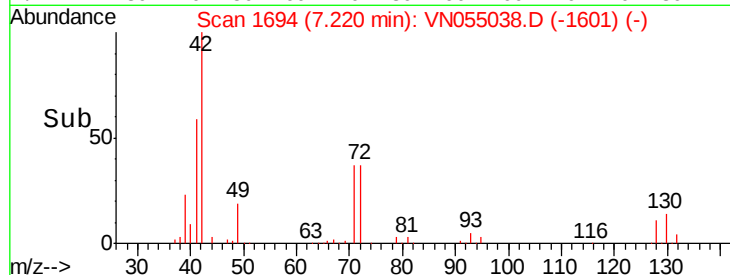
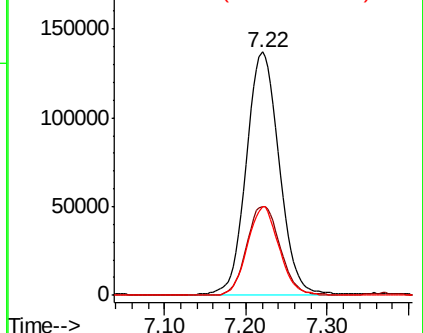
#29
Tetrahydrofuran
Concen: 259.085 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 381362
Ion Ratio Lower Upper
42 100
72 36.8 29.4 44.0
71 35.3 27.8 41.6

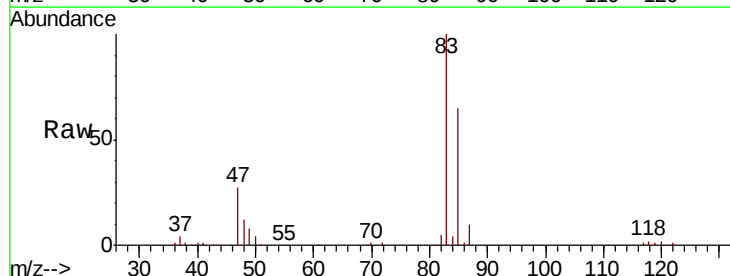


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

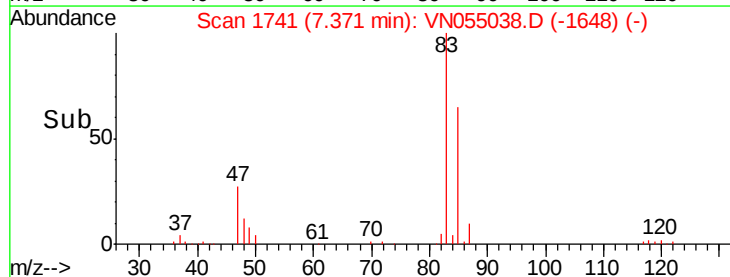
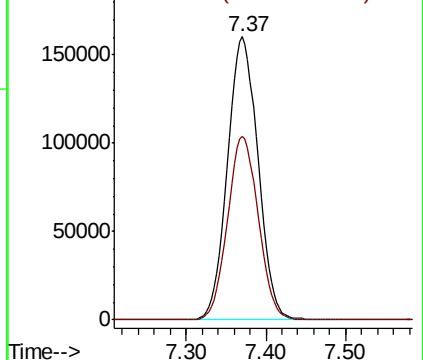


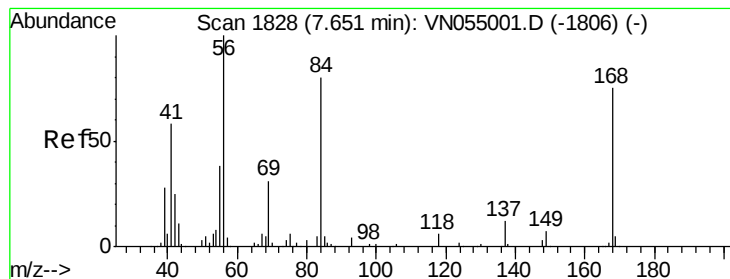
#30
Chloroform
Concen: 49.880 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

Tgt Ion: 83 Resp: 416114
Ion Ratio Lower Upper
83 100
85 64.8 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: 41.345 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

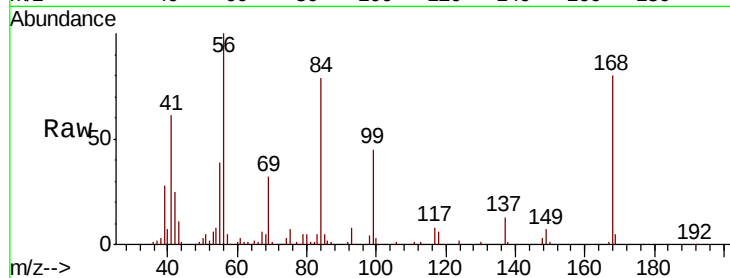
Tgt Ion: 56 Resp: 398019

Ion Ratio Lower Upper

56 100

69 31.6 24.5 36.7

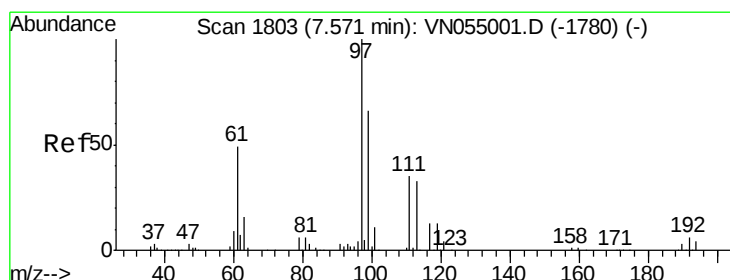
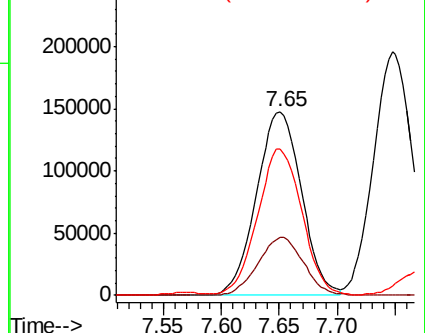
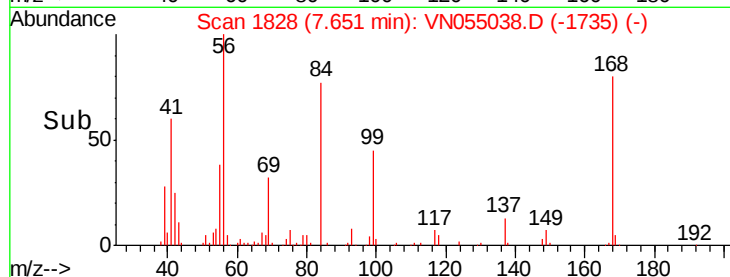
84 78.0 62.9 94.3



Abundance Ion 56.00 (55.70 to 56.70): VN055038.D (-1735) (-)

Ion 69.00 (68.70 to 69.70): VN055038.D (-1735) (-)

Ion 84.00 (83.70 to 84.70): VN055038.D (-1735) (-)



#32

1,1,1-Trichloroethane

Concen: 50.742 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

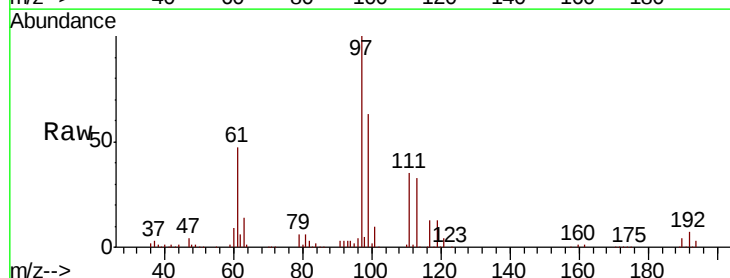
Tgt Ion: 97 Resp: 337222

Ion Ratio Lower Upper

97 100

99 63.7 51.6 77.4

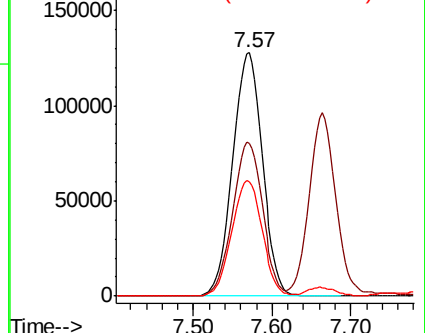
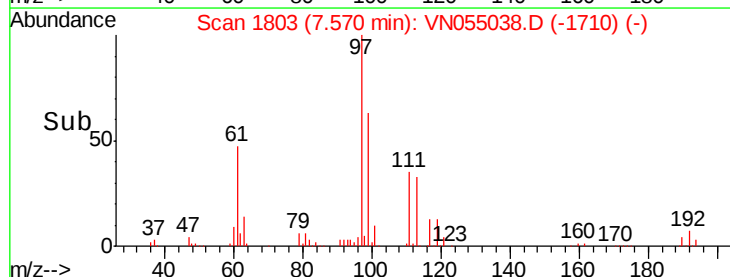
61 48.5 38.3 57.5

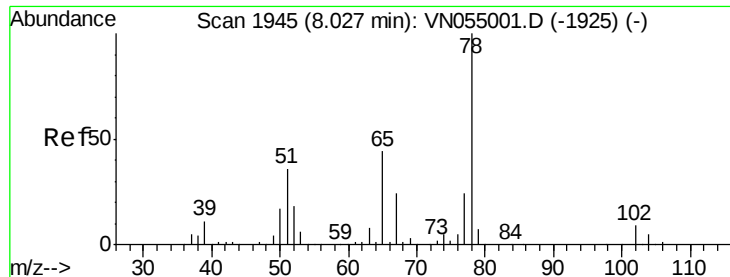


Abundance Ion 96.90 (96.60 to 97.60): VN055038.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN055038.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN055038.D (-1710) (-)





#33

1,2-Dichloroethane-d4

Concen: 50.788 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

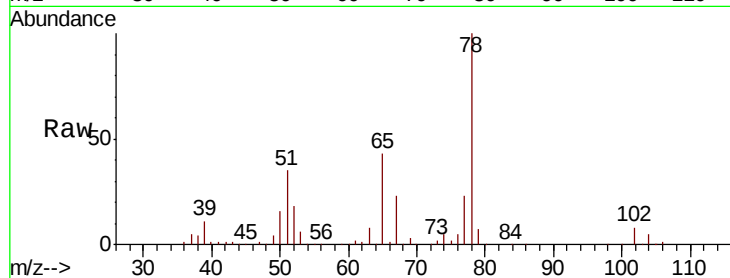
VSTDICCC050

Tgt Ion: 65 Resp: 269532

Ion Ratio Lower Upper

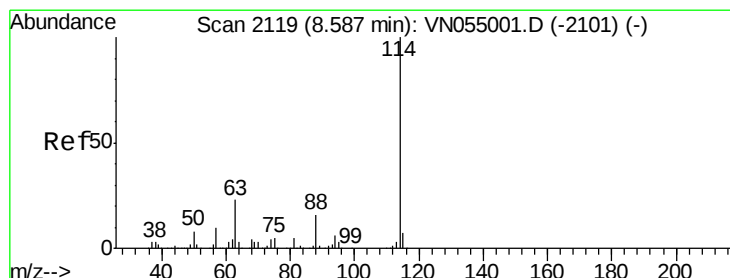
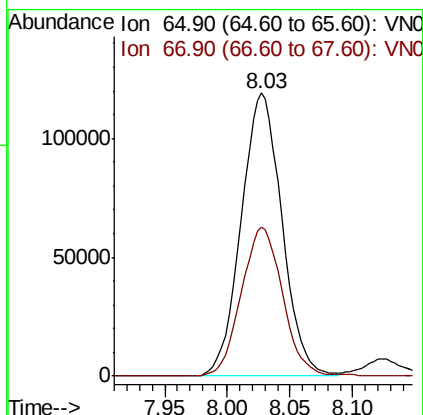
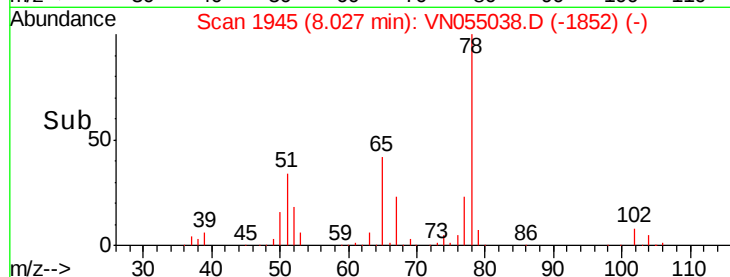
65 100

67 53.1 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VN055038.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN055038.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

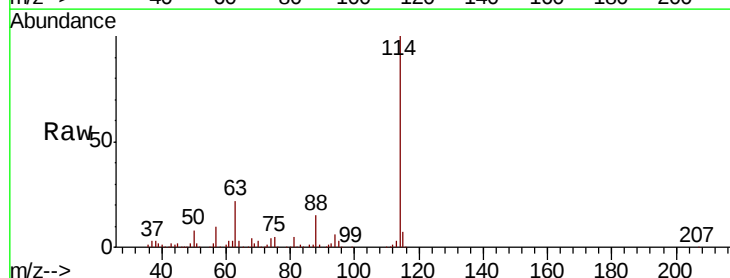
Tgt Ion: 114 Resp: 672336

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.2

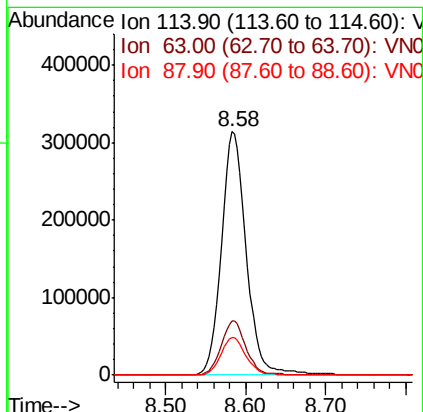
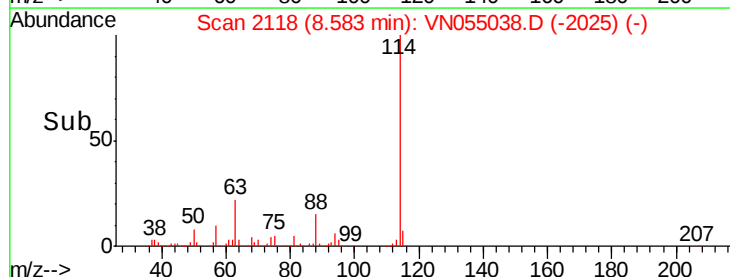
88 15.5 0.0 31.8

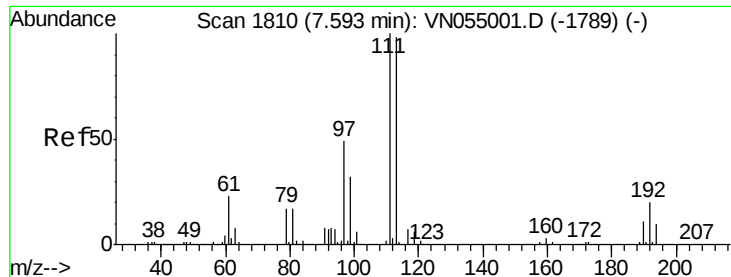


Abundance Ion 113.90 (113.60 to 114.60): VN055038.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN055038.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN055038.D (-2025) (-)

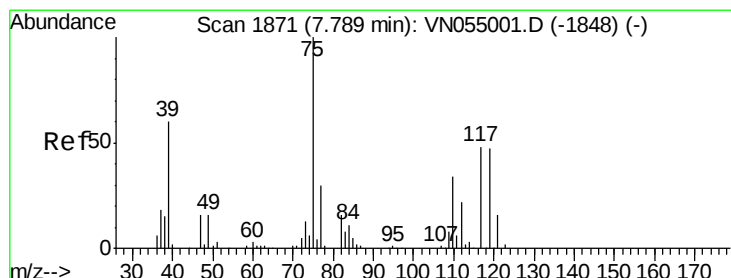
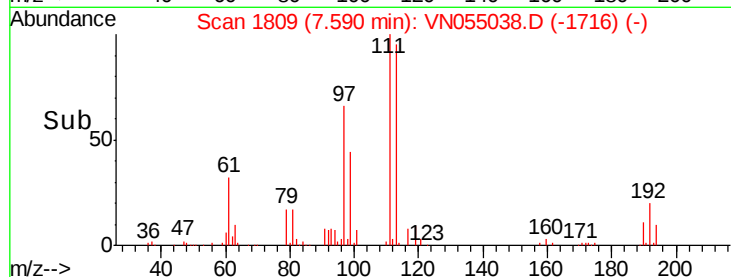
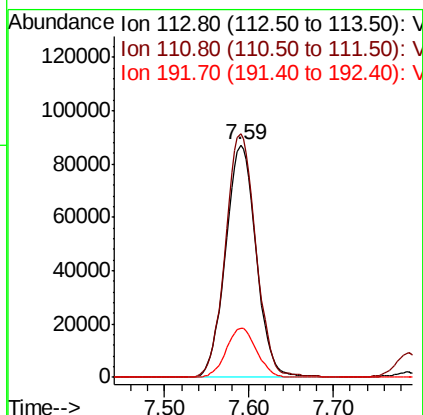
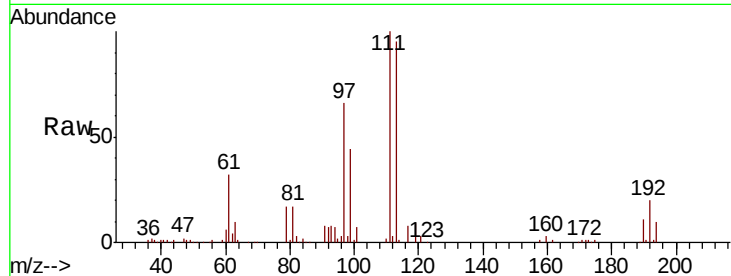




#35
Dibromofluoromethane
Concen: 51.177 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

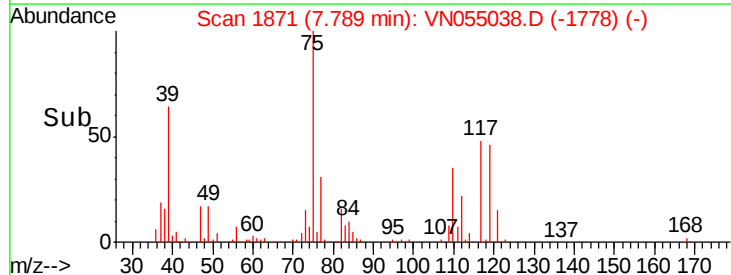
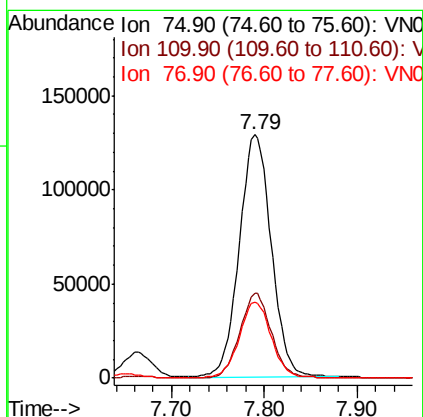
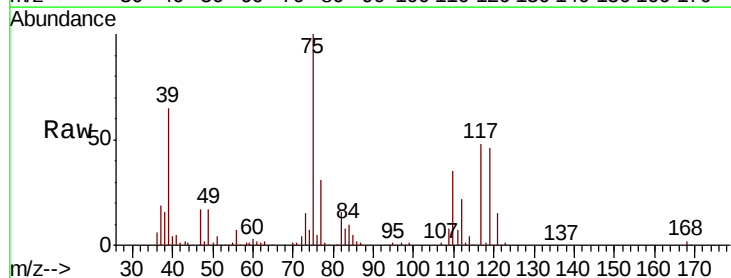
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

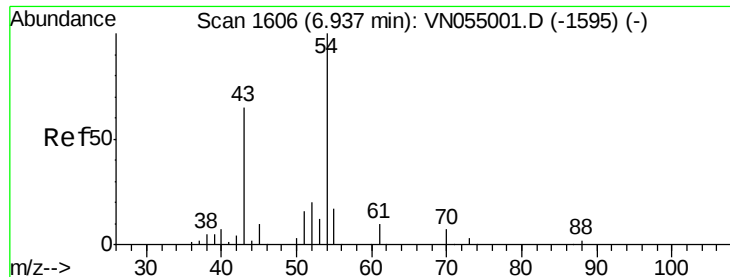
Tgt Ion:113 Resp: 219344
Ion Ratio Lower Upper
113 100
111 104.6 82.1 123.1
192 21.0 16.5 24.7



#36
1,1-Dichloropropene
Concen: 49.859 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

Tgt Ion: 75 Resp: 309814
Ion Ratio Lower Upper
75 100
110 34.4 17.5 52.5
77 31.7 24.9 37.3

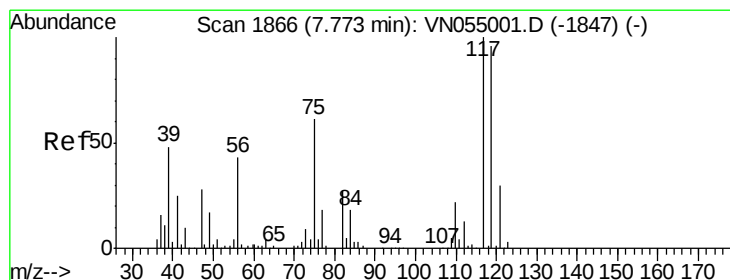
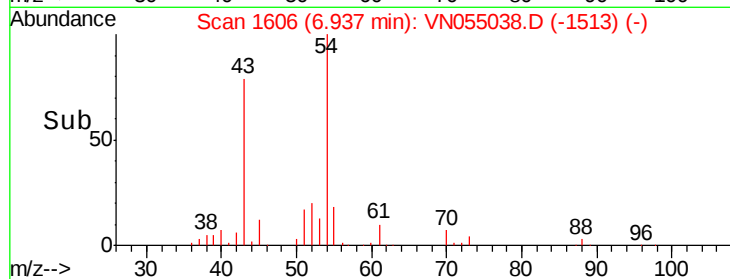
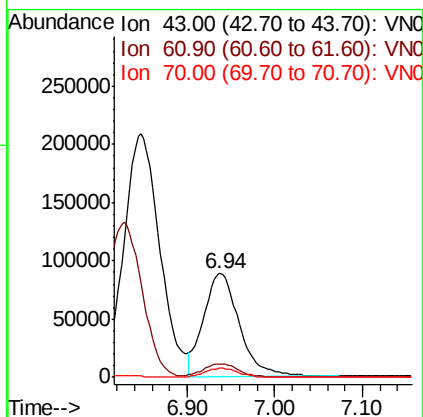
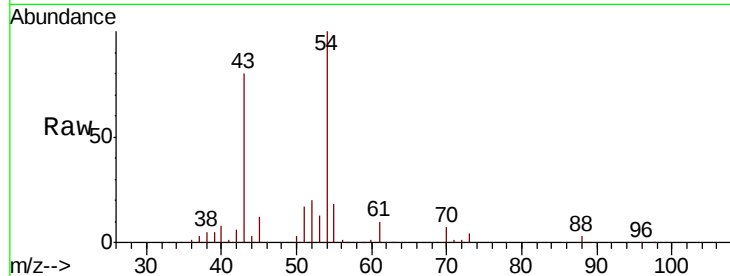




#37
 Ethyl Acetate
 Concen: 54.148 ug/l
 RT: 6.94 min Scan# 1606
 Delta R.T. 0.00 min
 Lab File: VN055038.D
 Acq: 15 Apr 2019 11:08

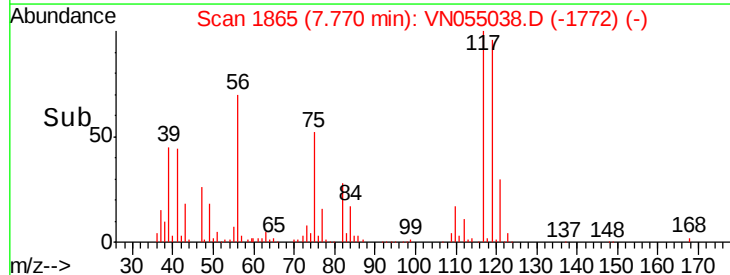
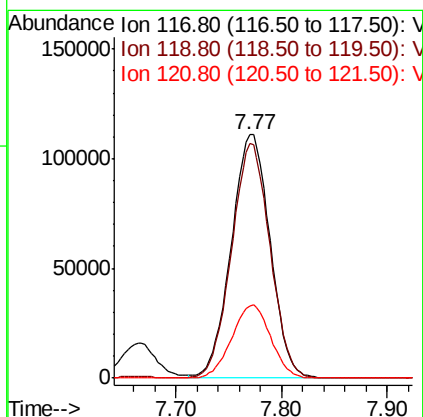
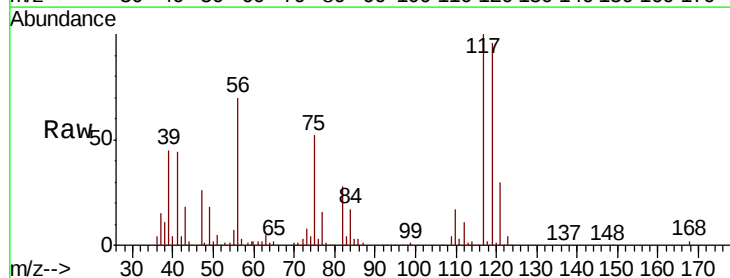
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

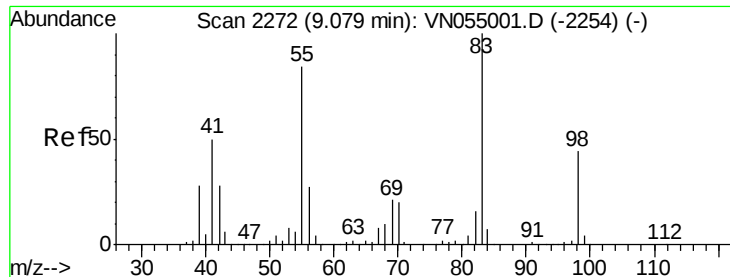
Tgt Ion: 43 Resp: 252585
 Ion Ratio Lower Upper
 43 100
 61 12.8 10.0 15.0
 70 7.7 7.1 10.7



#38
 Carbon Tetrachloride
 Concen: 48.612 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN055038.D
 Acq: 15 Apr 2019 11:08

Tgt Ion: 117 Resp: 284328
 Ion Ratio Lower Upper
 117 100
 119 96.4 76.3 114.5
 121 29.6 23.9 35.9

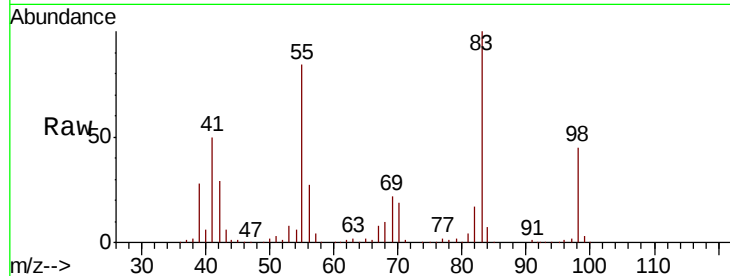




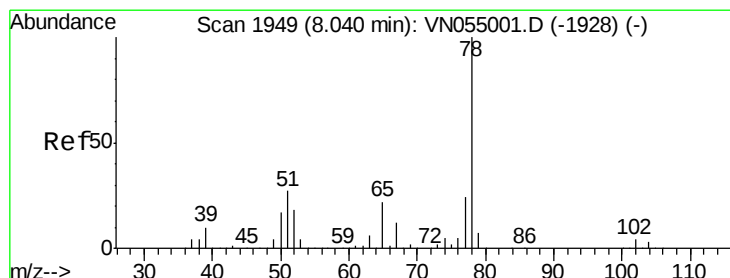
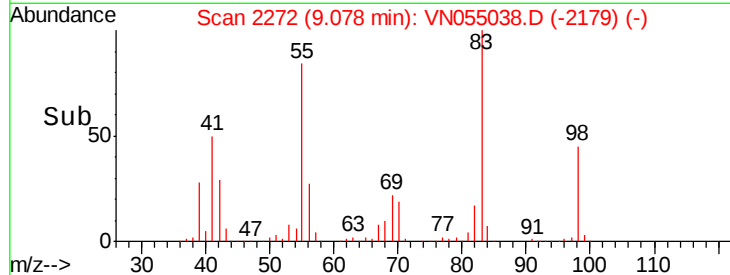
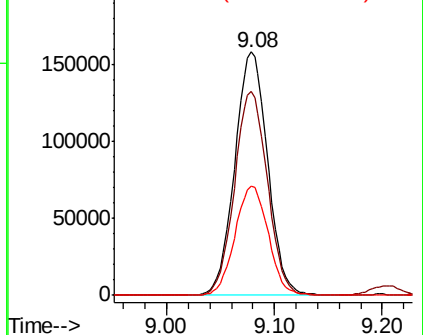
#39
Methylcyclohexane
Concen: 47.256 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 336165
Ion Ratio Lower Upper
83 100
55 83.6 67.0 100.4
98 45.1 35.6 53.4

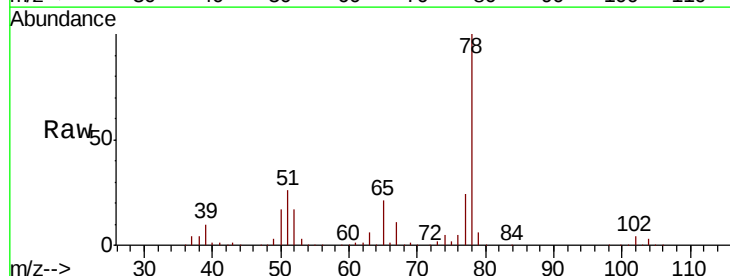


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

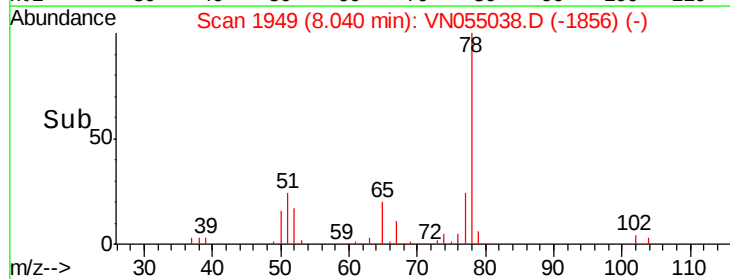
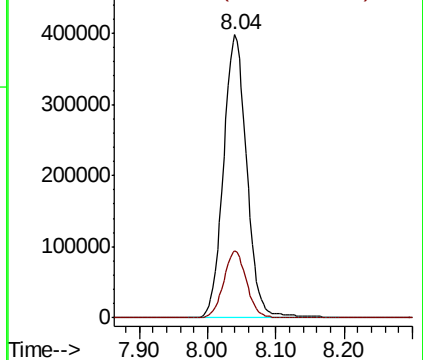


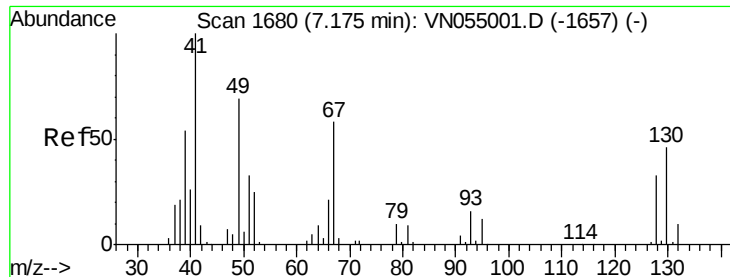
#40
Benzene
Concen: 50.330 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

Tgt Ion: 78 Resp: 945500
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

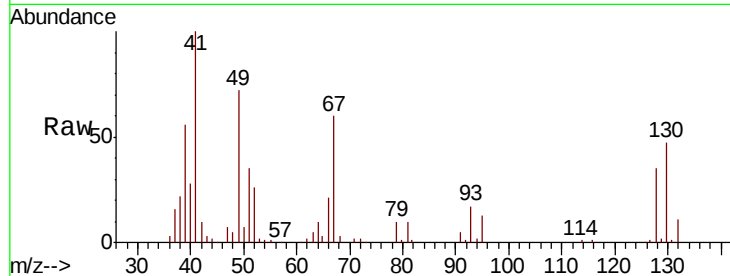




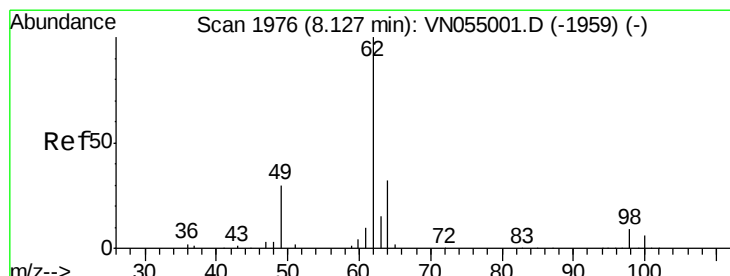
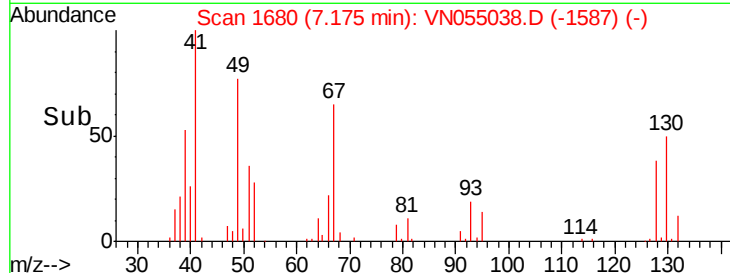
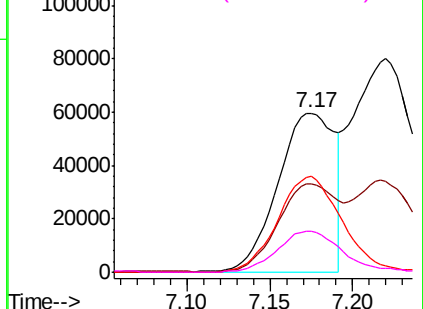
#41
Methacrylonitrile
Concen: 49.518 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:	41	Resp:	142132
Ion	Ratio	Lower	Upper
41	100		
39	57.6	45.6	68.4
67	68.2	57.0	85.6
52	30.1	23.6	35.4

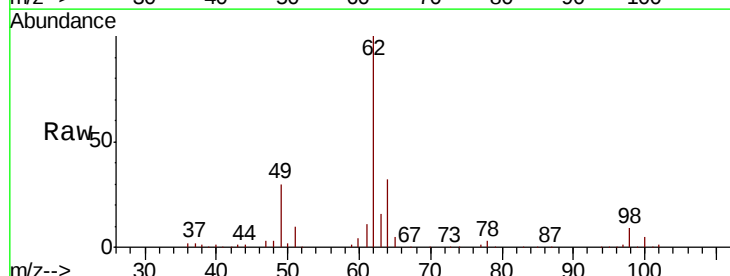


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

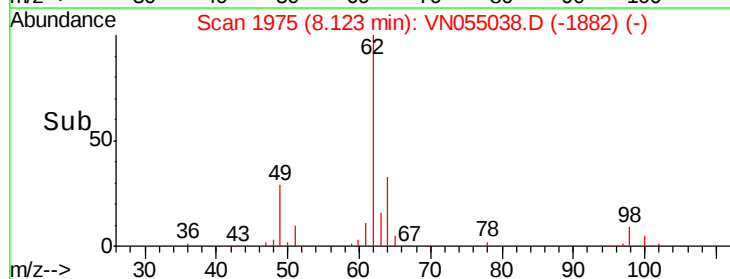
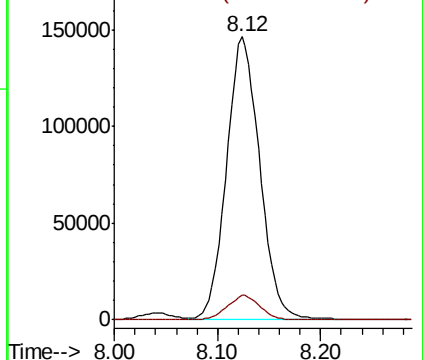


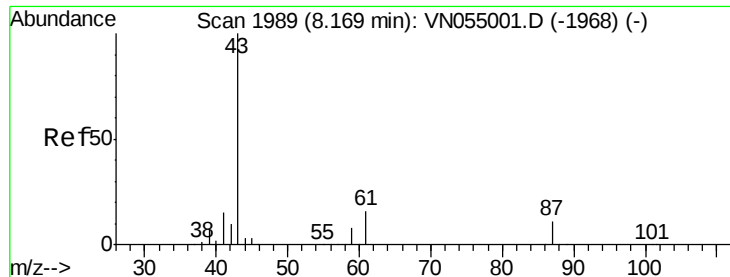
#42
1,2-Dichloroethane
Concen: 49.415 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

Tgt Ion:	62	Resp:	326567
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.4



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





#43

Isopropyl Acetate

Concen: 52.320 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

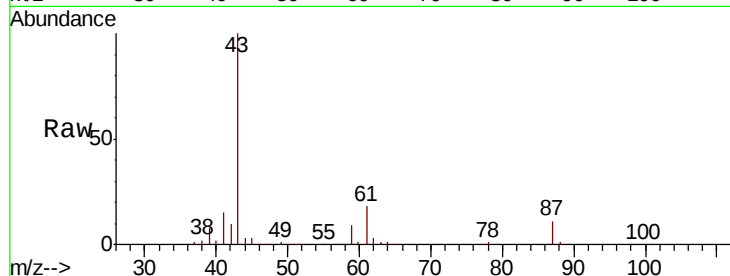
Tgt Ion: 43 Resp: 417320

Ion Ratio Lower Upper

43 100

61 18.1 14.3 21.5

87 11.2 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN055001.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN055001.D (-1968) (-)

8.17

250000

200000

150000

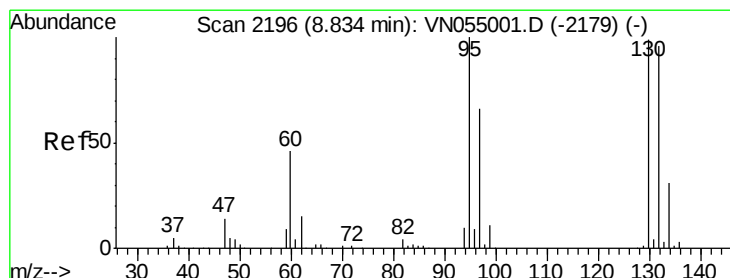
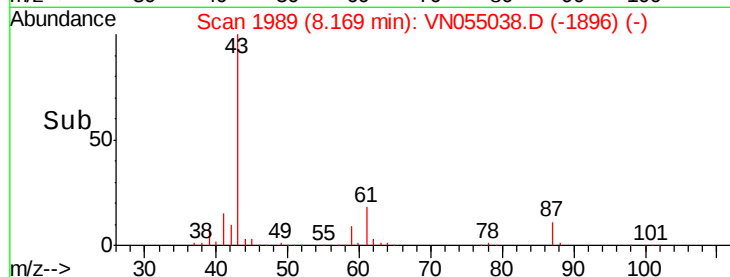
100000

50000

0

8.10 8.20 8.30

Time-->



#44

Trichloroethene

Concen: 49.475 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055038.D

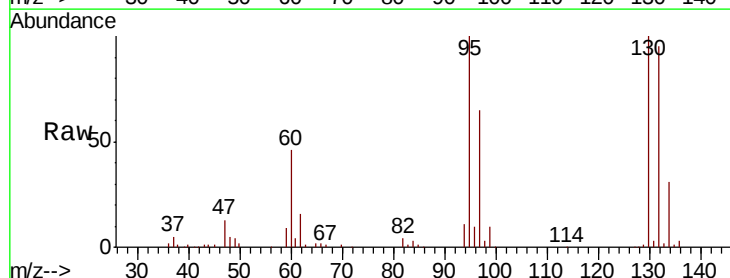
Acq: 15 Apr 2019 11:08

Tgt Ion: 130 Resp: 237526

Ion Ratio Lower Upper

130 100

95 100.1 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN055001.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055001.D (-2179) (-)

120000

100000

80000

60000

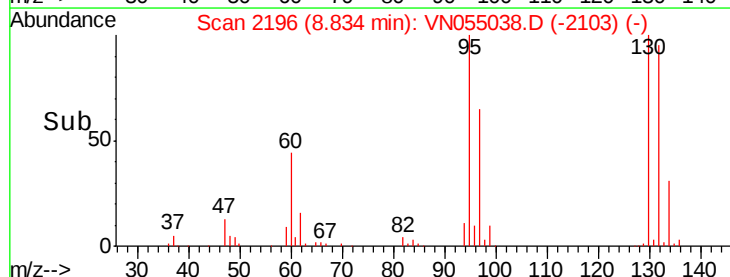
40000

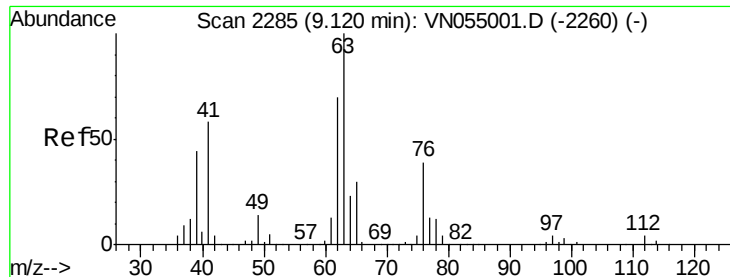
20000

0

8.80 8.90

Time-->





#45

1,2-Dichloropropane

Concen: 49.164 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

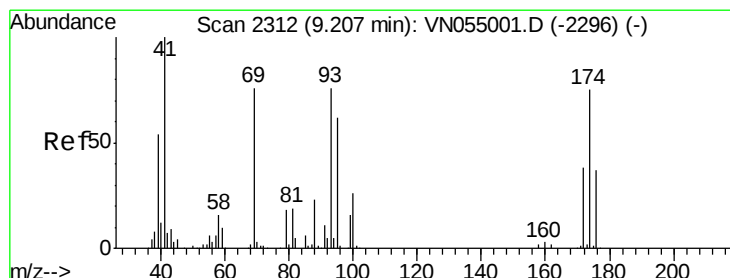
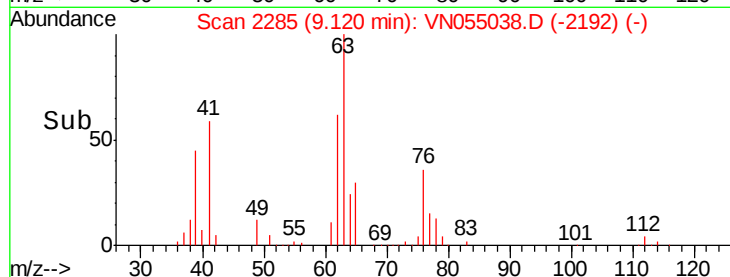
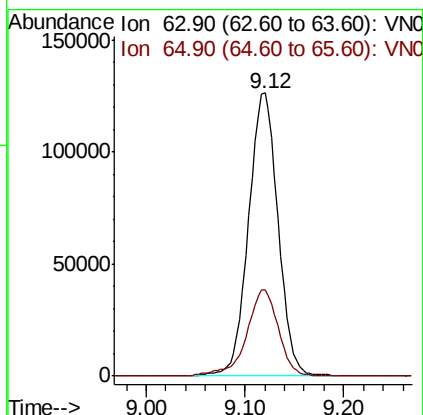
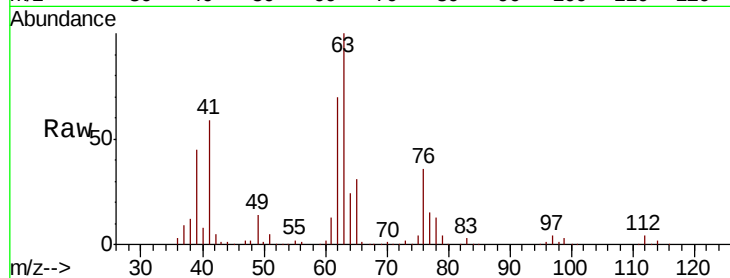
VSTDICCC050

Tgt Ion: 63 Resp: 260637

Ion Ratio Lower Upper

63 100

65 30.6 24.4 36.6



#46

Dibromomethane

Concen: 50.466 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

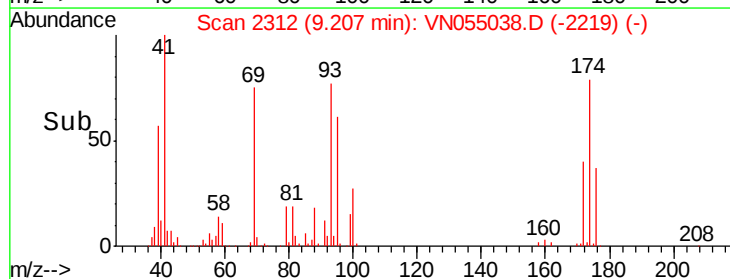
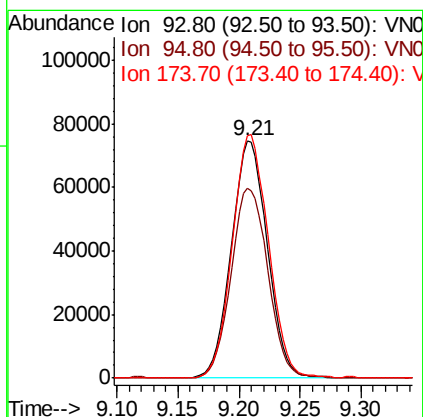
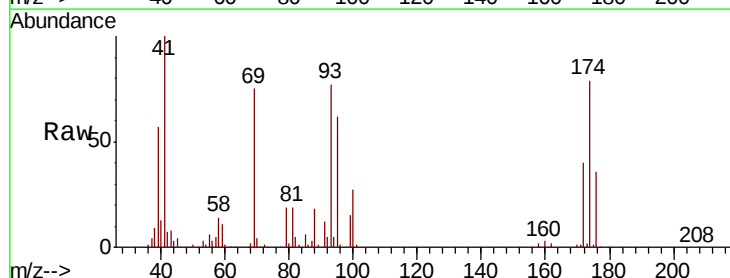
Tgt Ion: 93 Resp: 153300

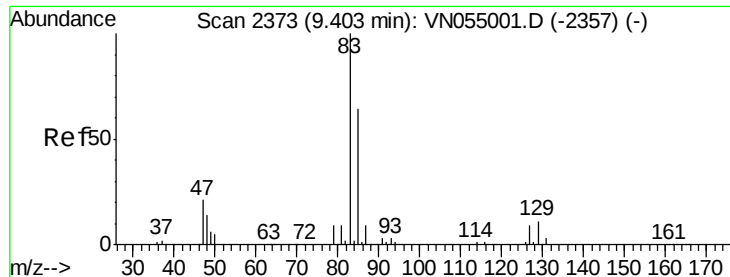
Ion Ratio Lower Upper

93 100

95 81.8 65.0 97.6

174 102.7 81.0 121.6





#47

Bromodichloromethane

Concen: 50.771 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

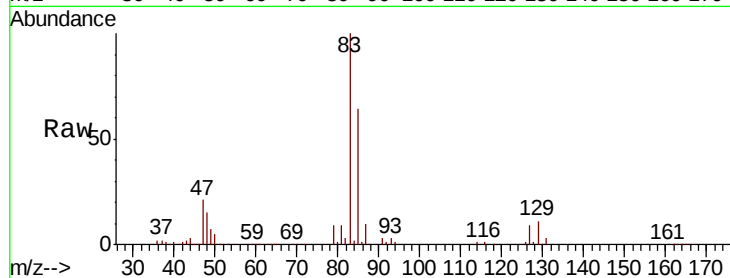
Tgt Ion: 83 Resp: 313634

Ion Ratio Lower Upper

83 100

85 64.4 51.2 76.8

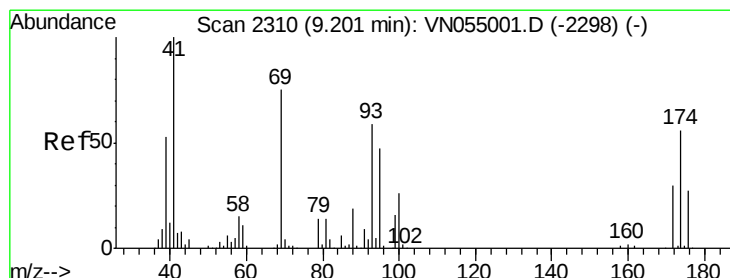
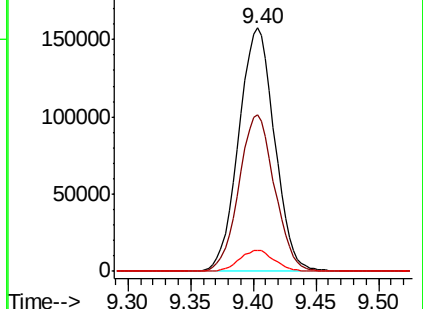
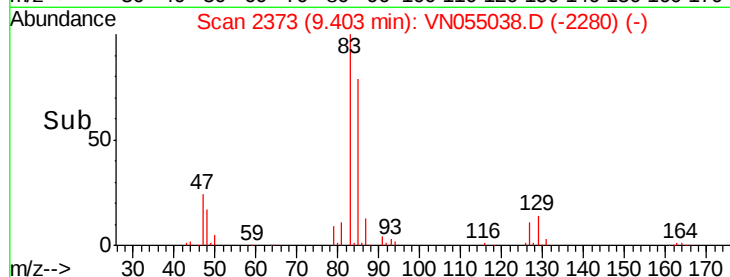
127 8.8 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN055038.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055038.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055038.D (-2280) (-)



#48

Methyl methacrylate

Concen: 49.528 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

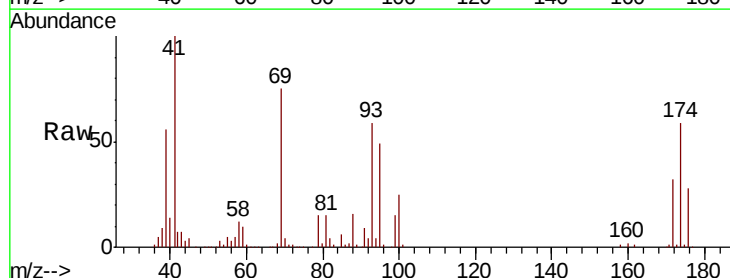
Tgt Ion: 41 Resp: 203509

Ion Ratio Lower Upper

41 100

69 78.2 60.5 90.7

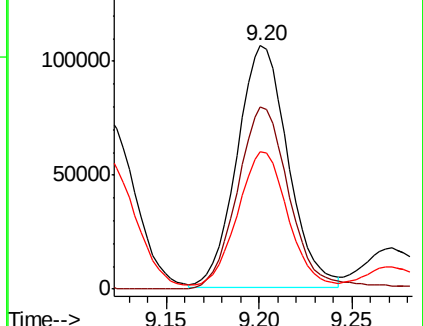
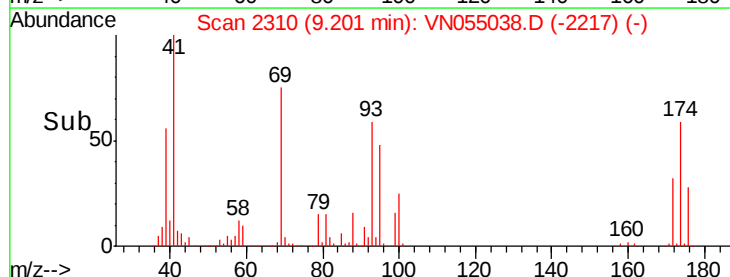
39 56.2 43.9 65.9

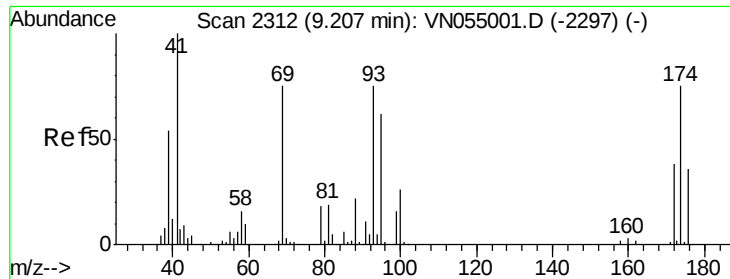


Abundance Ion 41.00 (40.70 to 41.70): VN055038.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055038.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055038.D (-2217) (-)





#49

1,4-Dioxane

Concen: 848.908 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

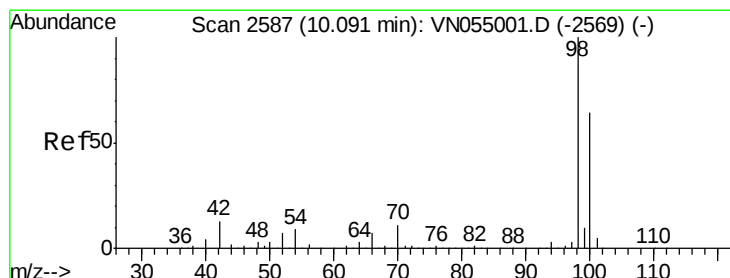
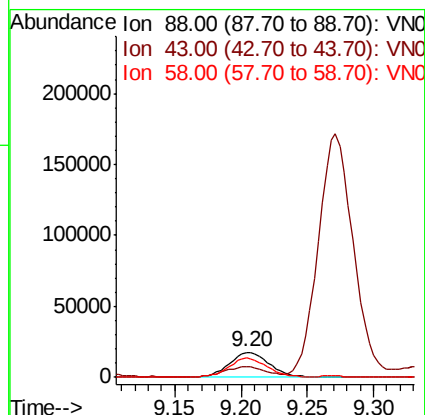
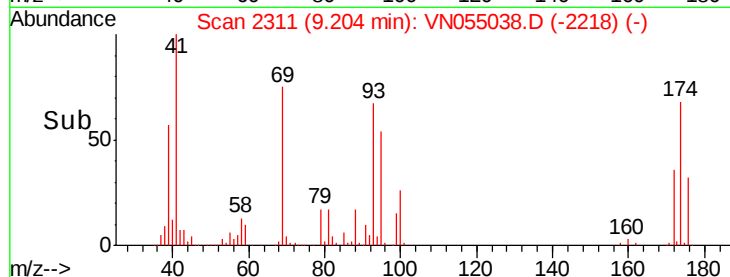
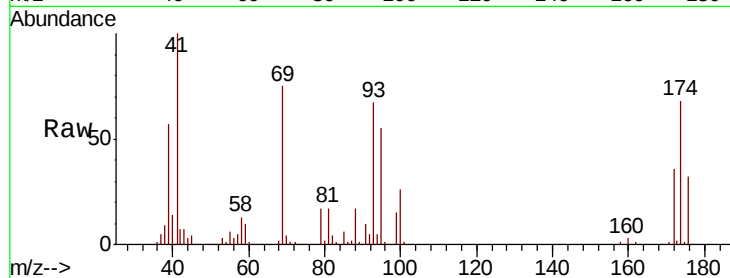
Tgt Ion: 88 Resp: 37513

Ion Ratio Lower Upper

88 100

43 39.1 31.8 47.8

58 74.1 61.6 92.4



#50

Toluene-d8

Concen: 51.485 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055038.D

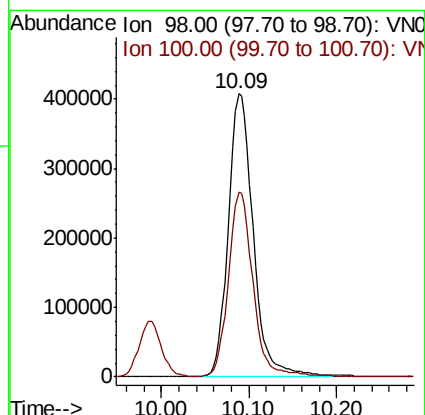
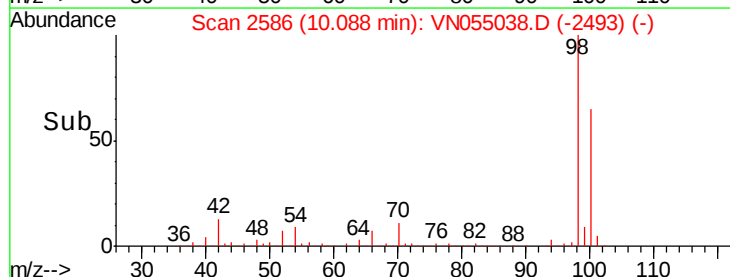
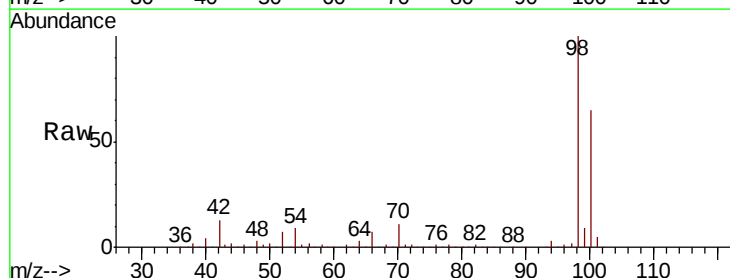
Acq: 15 Apr 2019 11:08

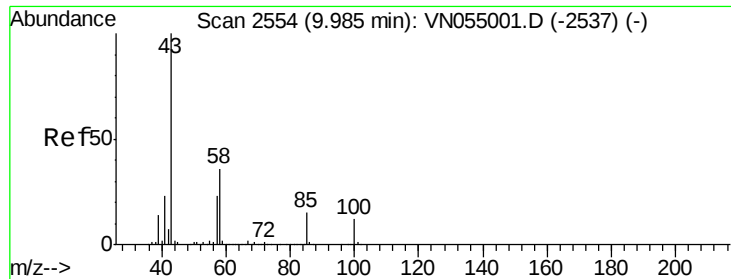
Tgt Ion: 98 Resp: 810464

Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7

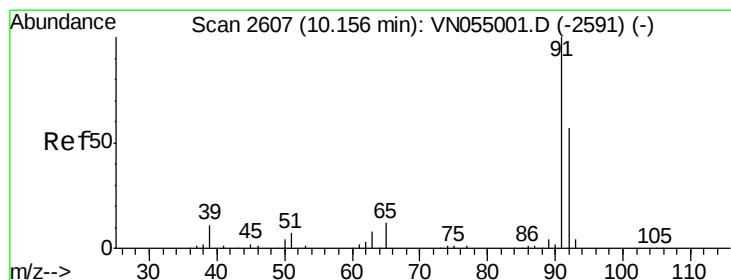
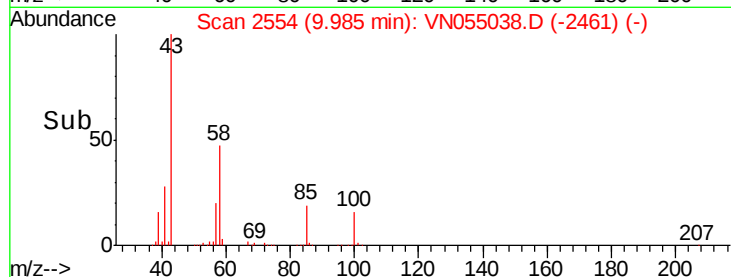
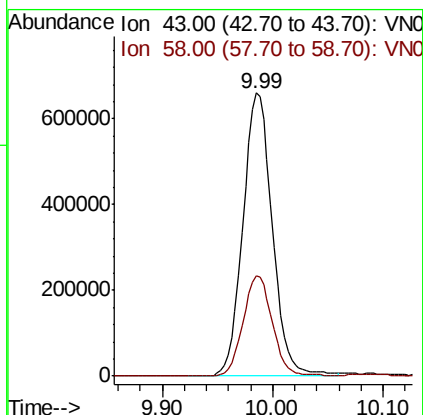
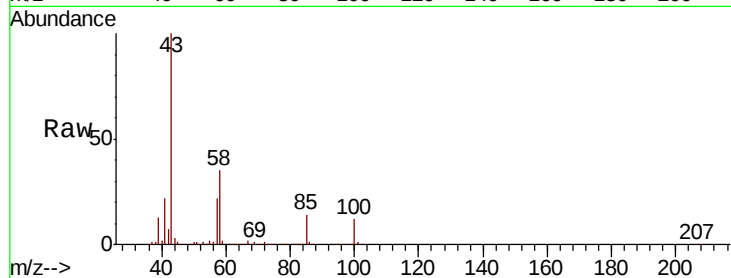




#51
 4-Methyl-2-Pentanone
 Concen: 260.313 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN055038.D
 Acq: 15 Apr 2019 11:08

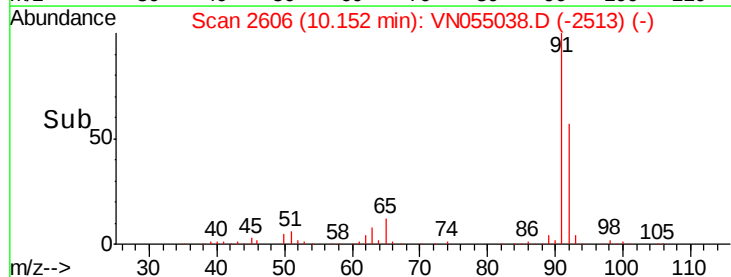
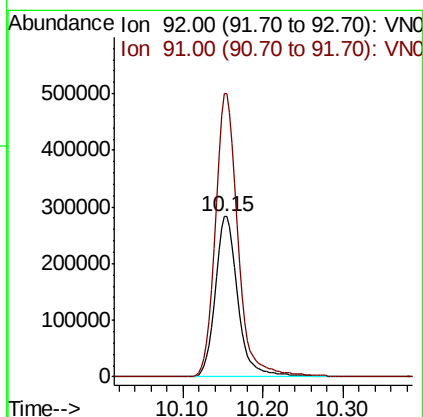
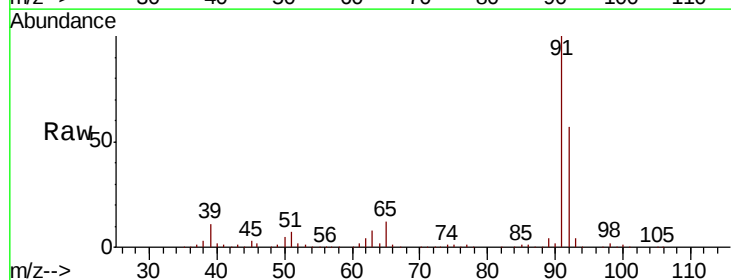
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

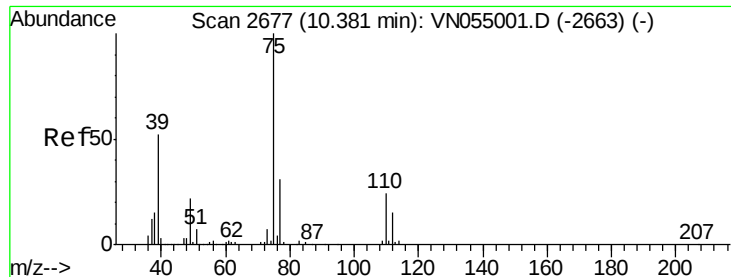
Tgt Ion: 43 Resp: 1215752
 Ion Ratio Lower Upper
 43 100
 58 35.5 29.0 43.4



#52
 Toluene
 Concen: 50.080 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN055038.D
 Acq: 15 Apr 2019 11:08

Tgt Ion: 92 Resp: 556406
 Ion Ratio Lower Upper
 92 100
 91 176.6 140.8 211.2





#53

t-1,3-Dichloropropene

Concen: 52.931 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

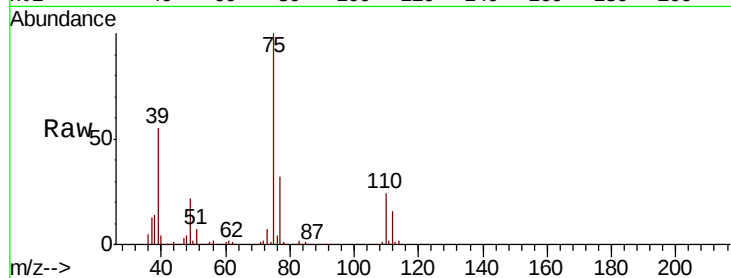
VSTDICCC050

Tgt Ion: 75 Resp: 296076

Ion Ratio Lower Upper

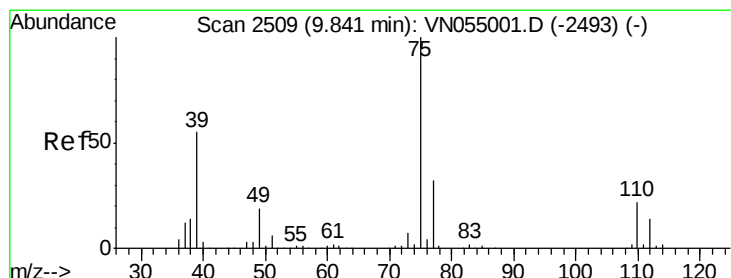
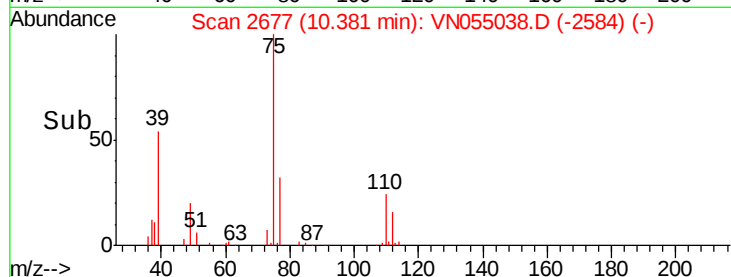
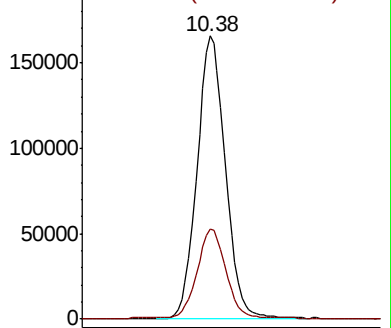
75 100

77 31.3 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 52.390 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

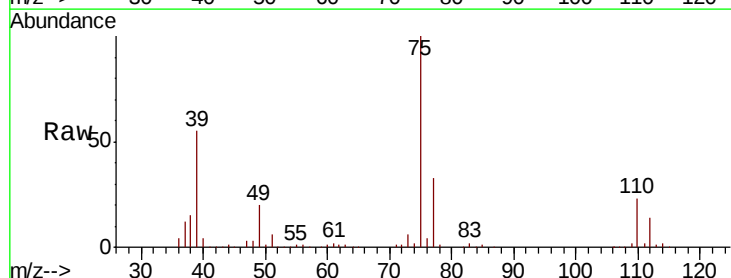
Tgt Ion: 75 Resp: 360990

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.6

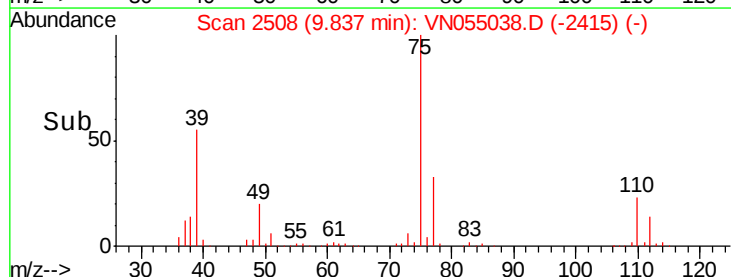
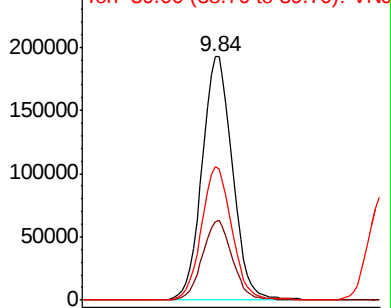
39 54.7 43.8 65.8

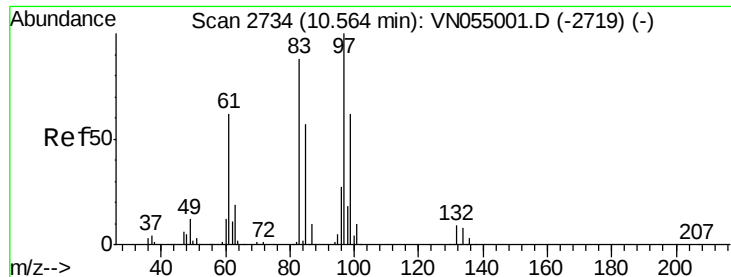


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

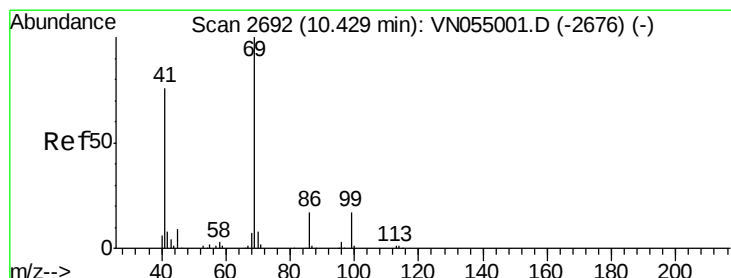
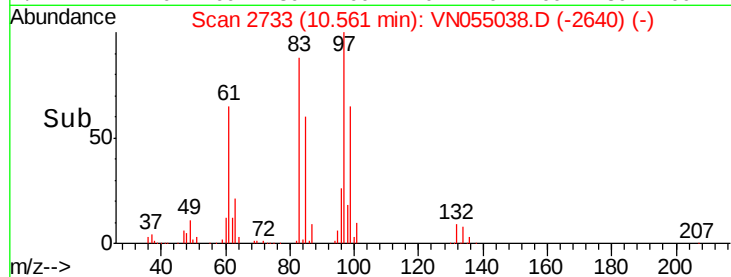
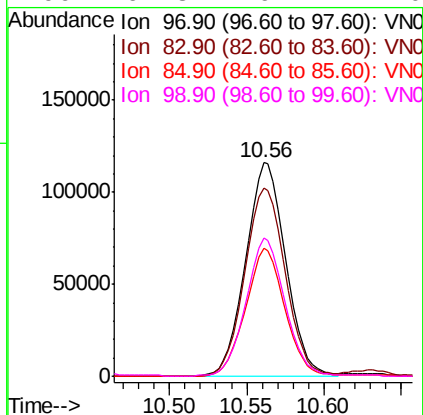
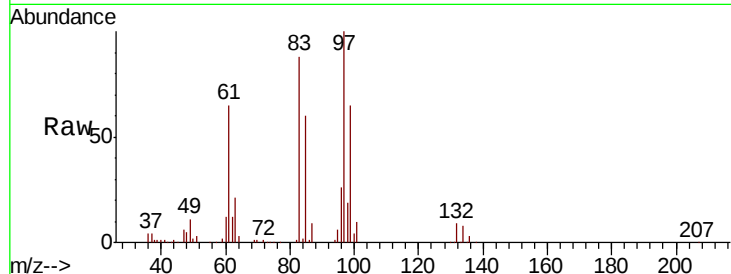




#55
 1,1,2-Trichloroethane
 Concen: 50.568 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055038.D
 Acq: 15 Apr 2019 11:08

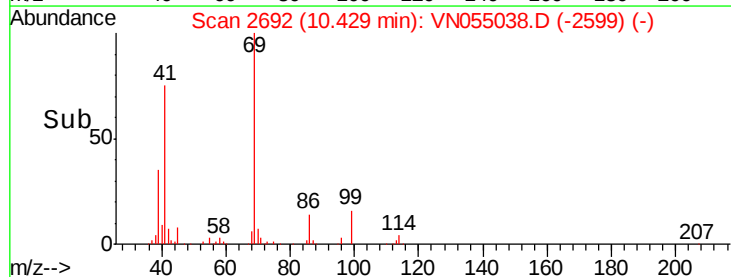
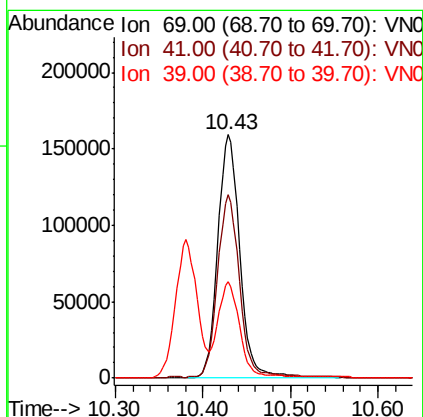
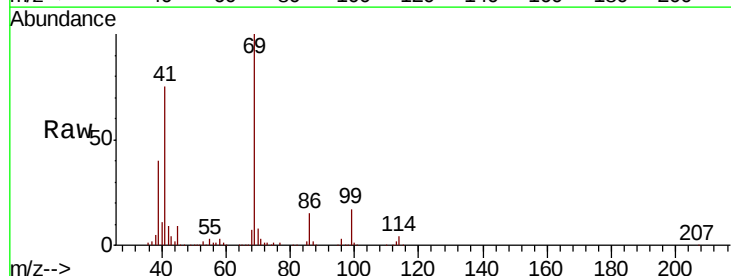
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

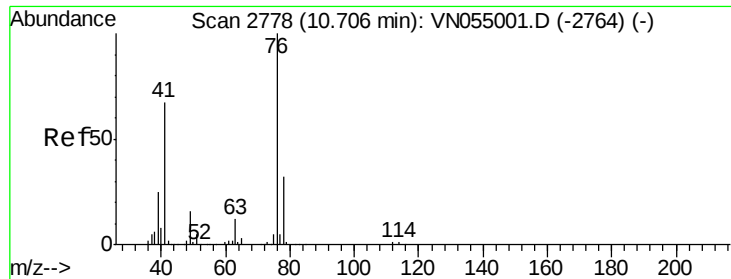
Tgt Ion:	97	Resp:	209291
Ion	Ratio	Lower	Upper
97	100		
83	88.4	70.5	105.7
85	59.9	45.5	68.3
99	64.3	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 52.663 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055038.D
 Acq: 15 Apr 2019 11:08

Tgt Ion:	69	Resp:	280468
Ion	Ratio	Lower	Upper
69	100		
41	73.2	61.4	92.0
39	36.7	30.8	46.2





#57

1,3-Dichloropropane

Concen: 51.667 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

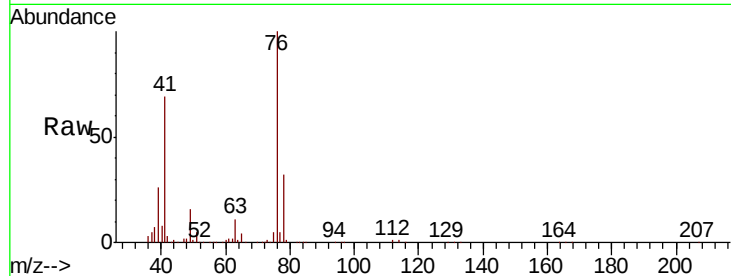
VSTDICCC050

Tgt Ion: 76 Resp: 368889

Ion Ratio Lower Upper

76 100

78 32.0 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN055001.D (-2764) (-)

Ion 77.90 (77.60 to 78.60): VN055001.D (-2764) (-)

10.71

200000

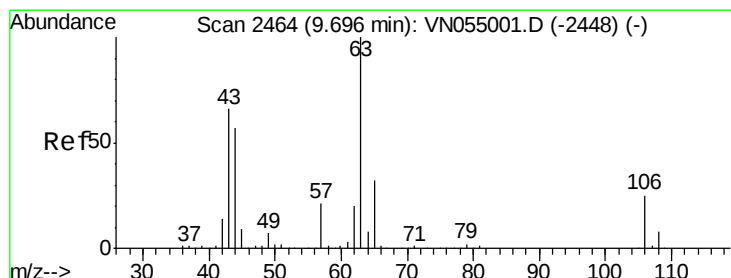
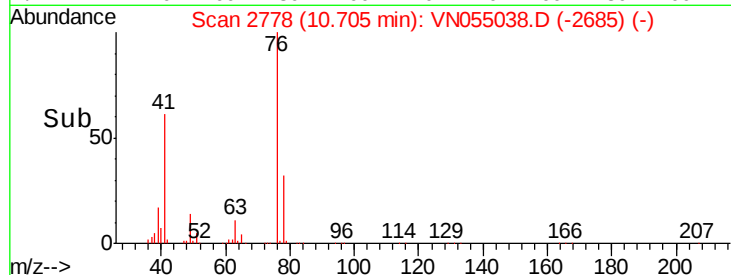
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 254.585 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055038.D

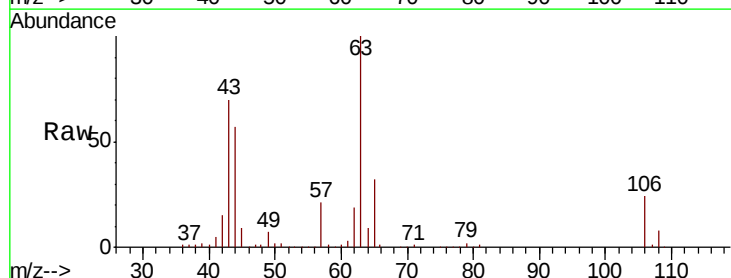
Acq: 15 Apr 2019 11:08

Tgt Ion: 63 Resp: 530505

Ion Ratio Lower Upper

63 100

106 24.4 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN055001.D (-2448) (-)

Ion 105.90 (105.60 to 106.60): VN055001.D (-2448) (-)

9.70

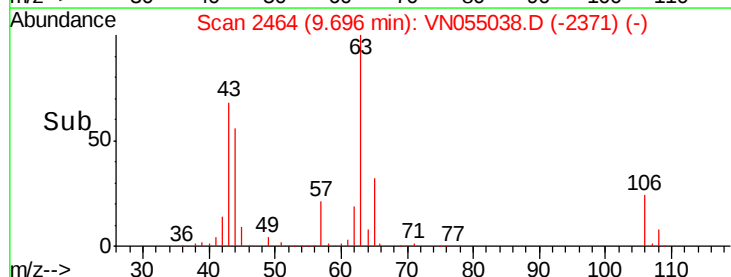
300000

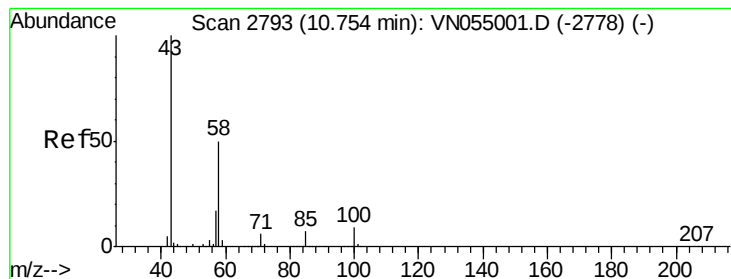
200000

100000

0

Time--> 9.60 9.70 9.80





#59

2-Hexanone

Concen: 260.595 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

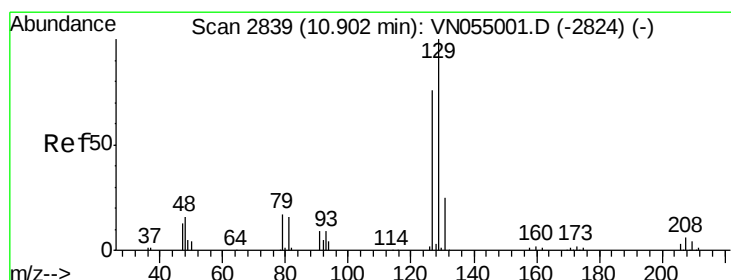
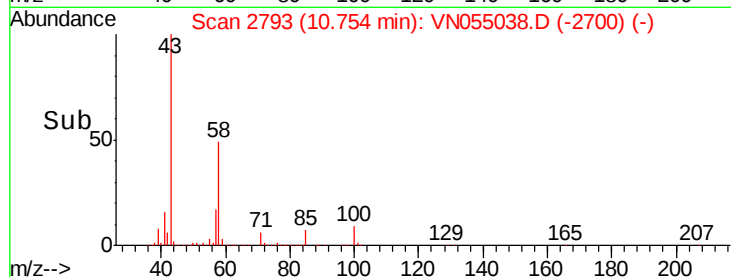
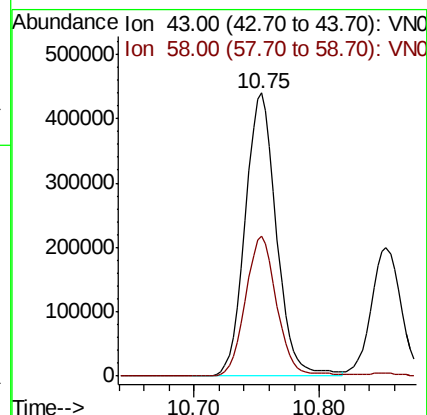
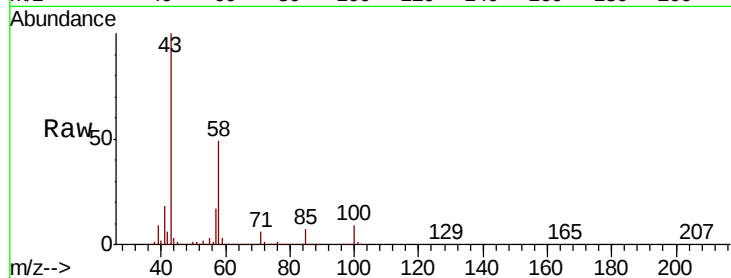
VSTDICCC050

Tgt Ion: 43 Resp: 760542

Ion Ratio Lower Upper

43 100

58 49.7 25.1 75.2



#60

Dibromochloromethane

Concen: 53.172 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055038.D

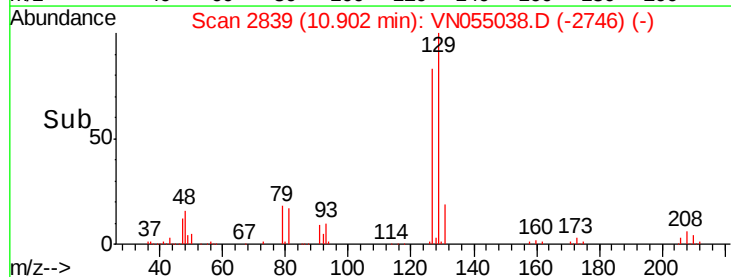
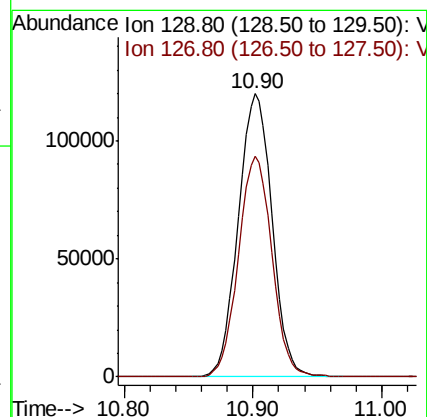
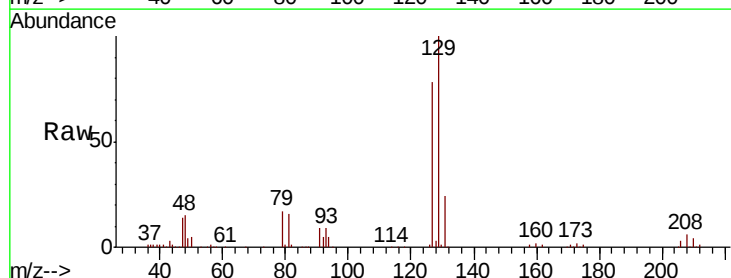
Acq: 15 Apr 2019 11:08

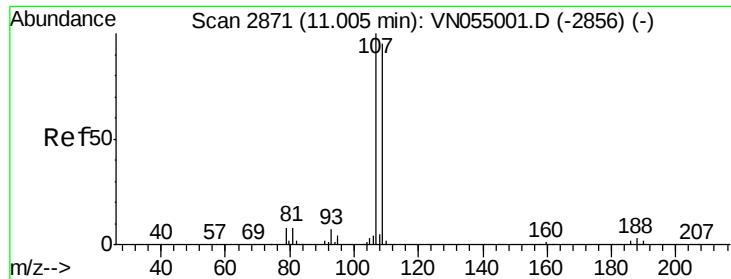
Tgt Ion: 129 Resp: 219053

Ion Ratio Lower Upper

129 100

127 77.3 38.2 114.6

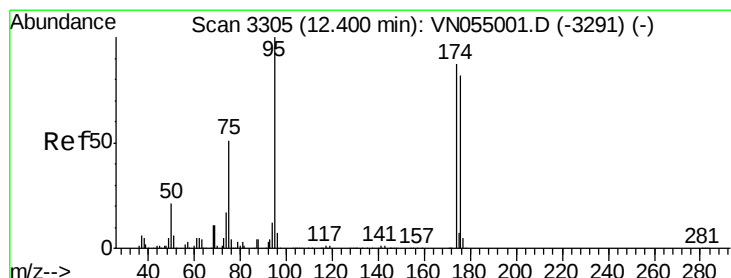
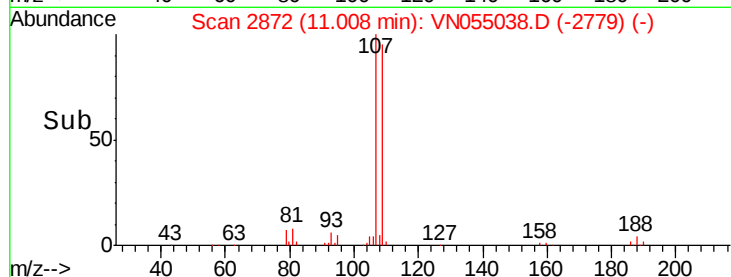
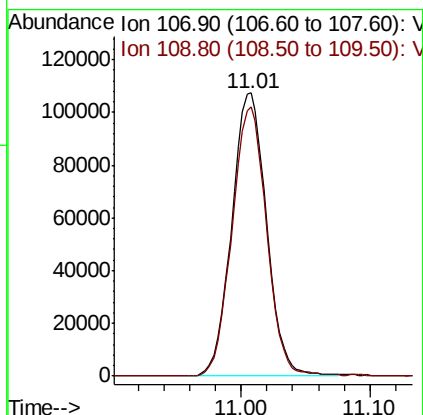
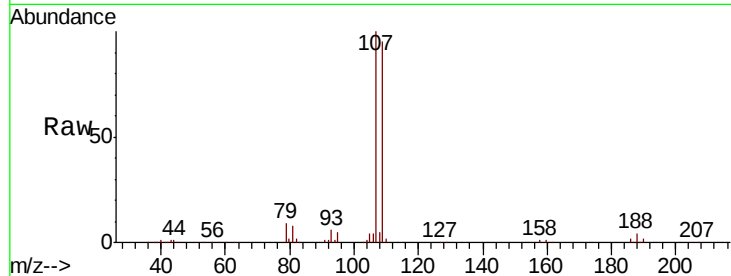




#61
 1,2-Dibromoethane
 Concen: 50.748 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055038.D
 Acq: 15 Apr 2019 11:08

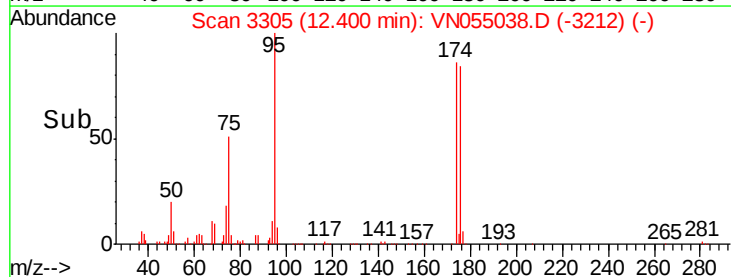
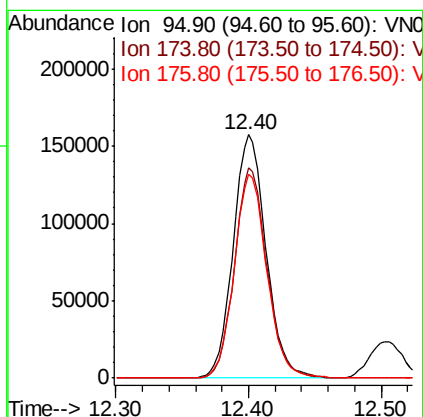
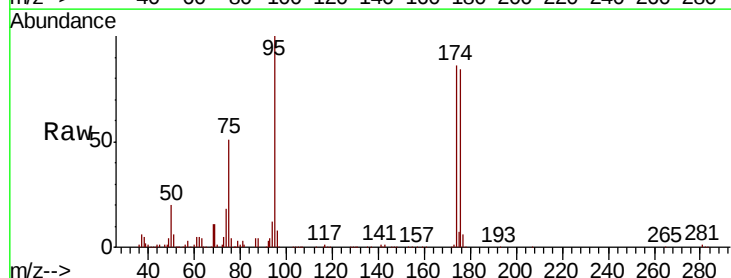
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

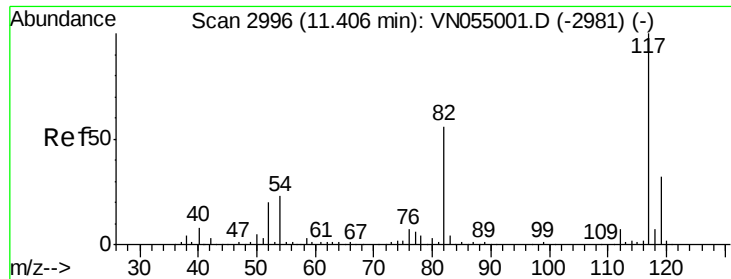
Tgt Ion: 107 Resp: 201096
 Ion Ratio Lower Upper
 107 100
 109 94.6 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 51.109 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055038.D
 Acq: 15 Apr 2019 11:08

Tgt Ion: 95 Resp: 271008
 Ion Ratio Lower Upper
 95 100
 174 85.1 0.0 174.4
 176 83.1 0.0 166.8

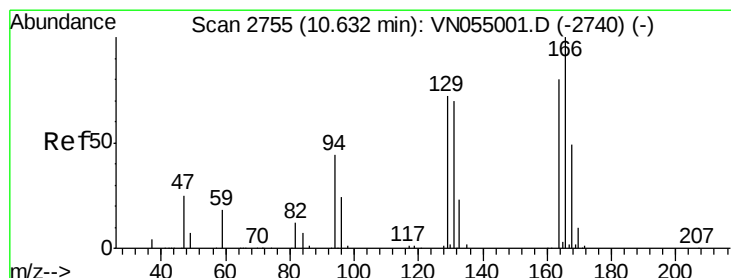
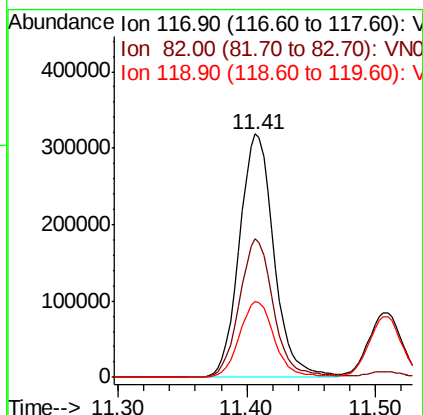
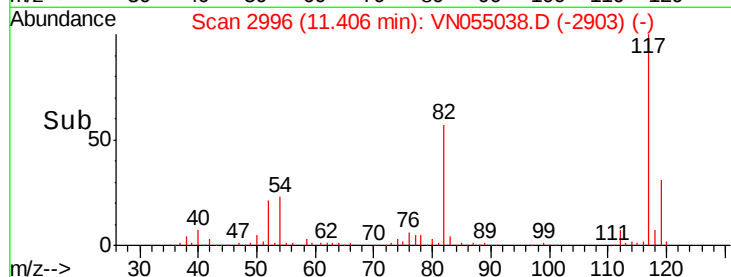
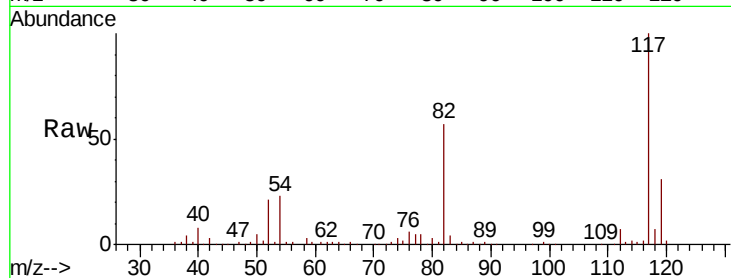




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

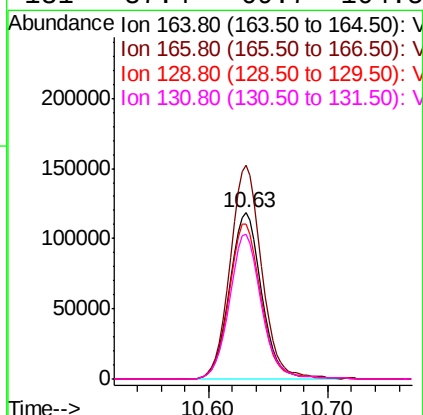
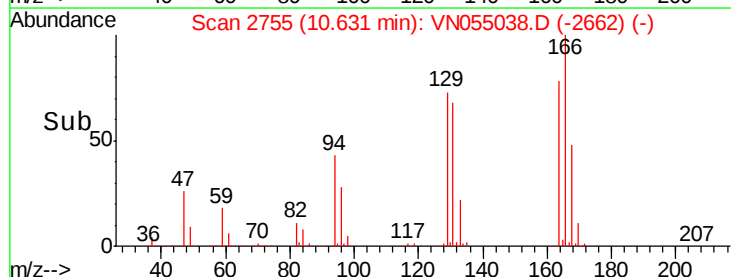
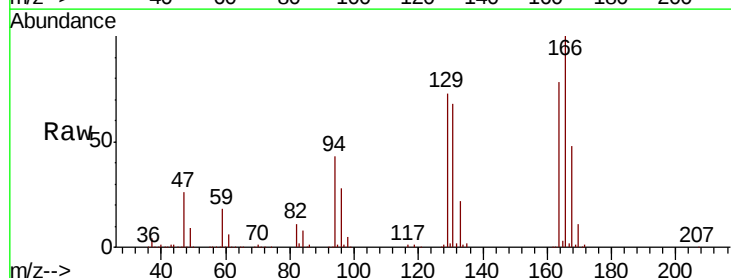
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

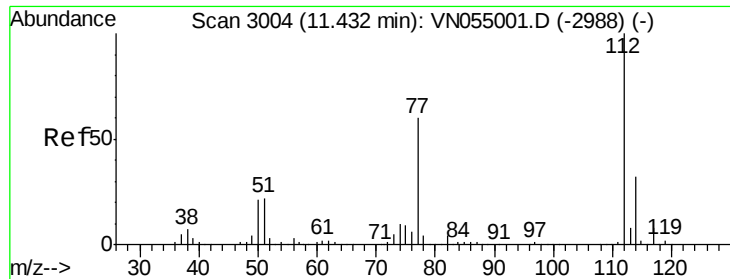
Tgt Ion:117 Resp: 592496
Ion Ratio Lower Upper
117 100
82 56.9 44.6 66.8
119 31.3 25.5 38.3



#64
Tetrachloroethene
Concen: 47.565 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

Tgt Ion:164 Resp: 220445
Ion Ratio Lower Upper
164 100
166 128.8 100.0 150.0
129 93.4 72.0 108.0
131 87.4 69.7 104.5

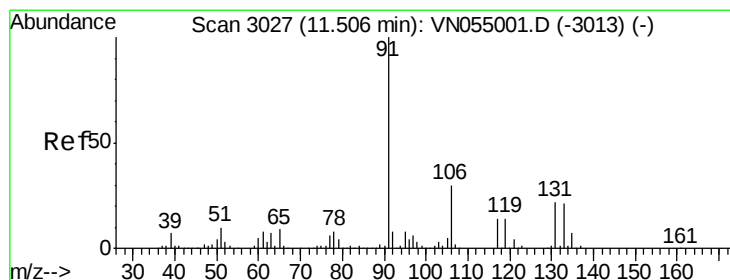
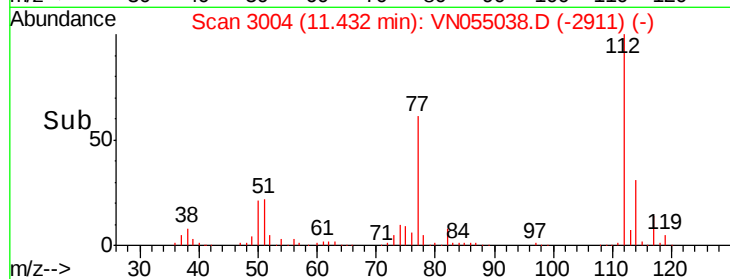
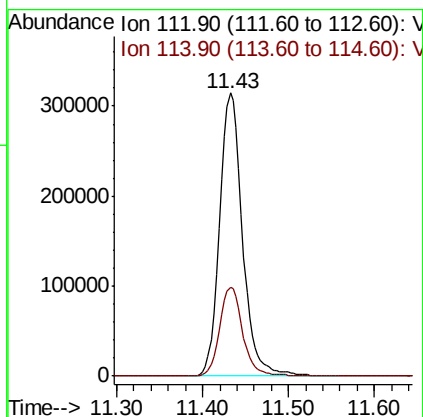
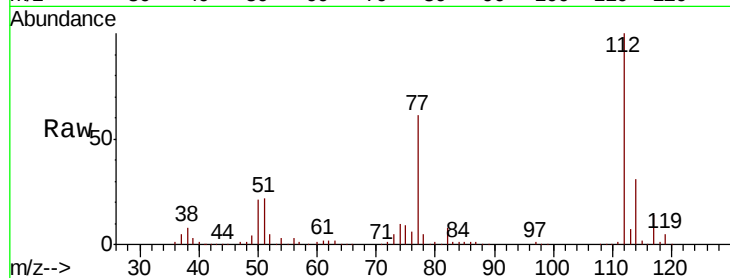




#65
Chlorobenzene
Concen: 51.100 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

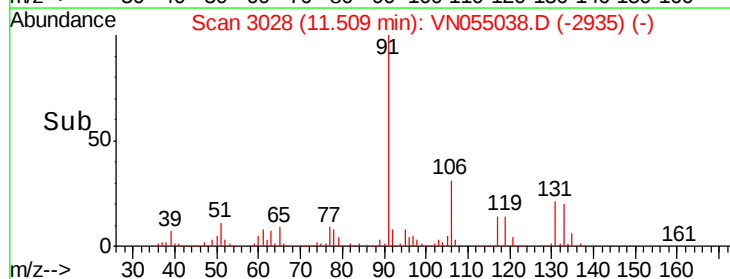
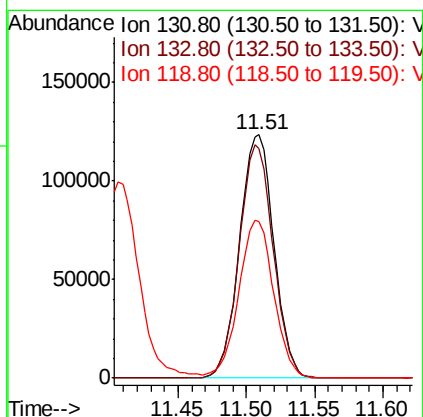
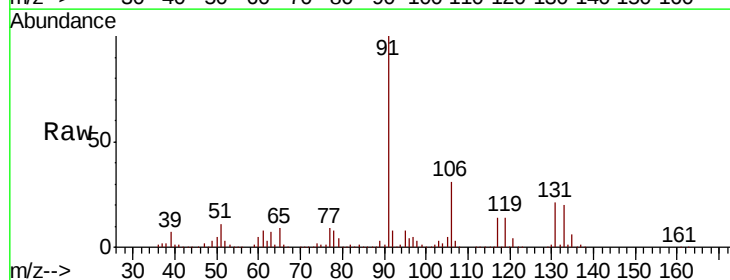
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

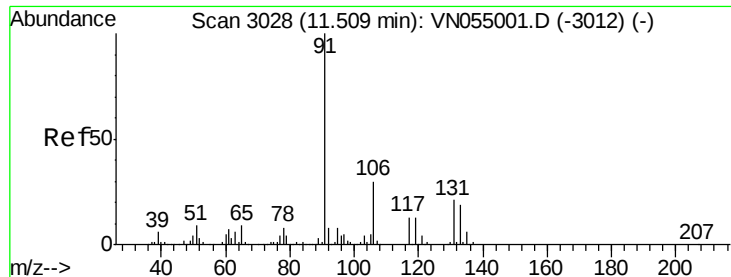
Tgt Ion:112 Resp: 583789
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.253 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

Tgt Ion:131 Resp: 215785
Ion Ratio Lower Upper
131 100
133 95.0 47.8 143.3
119 66.1 33.6 100.6

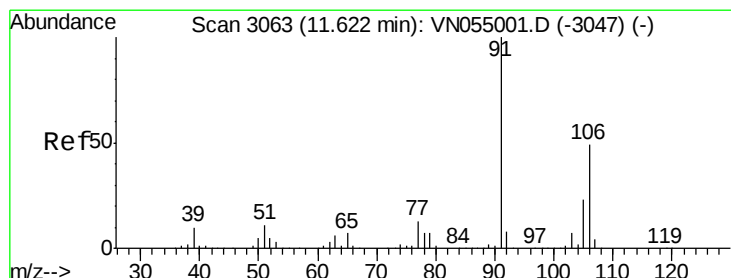
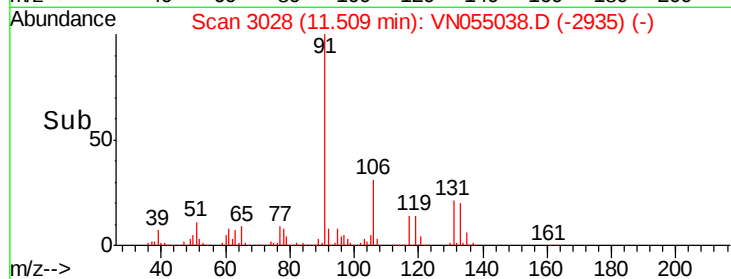
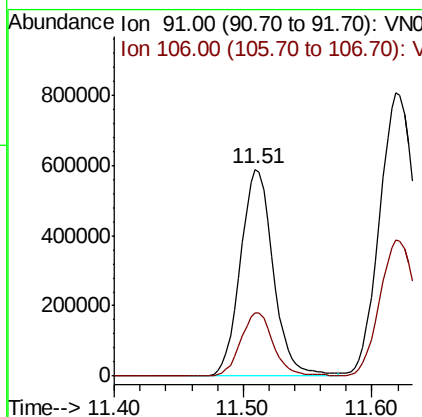
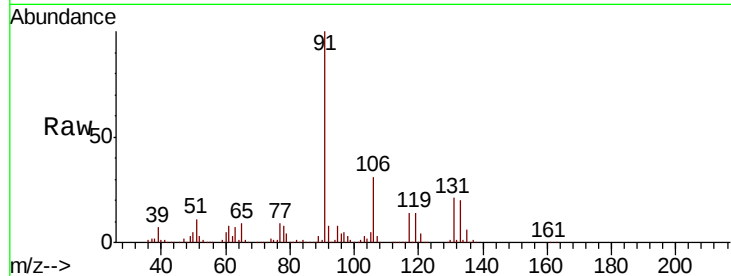




#67
Ethyl Benzene
Concen: 49.736 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

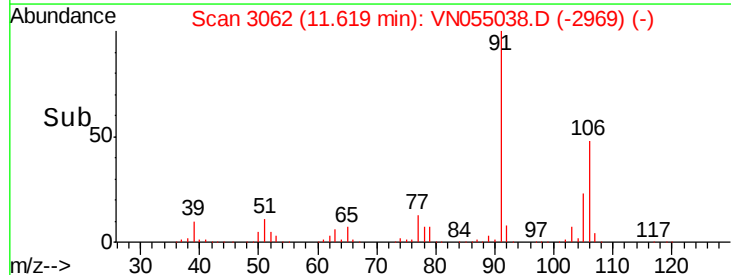
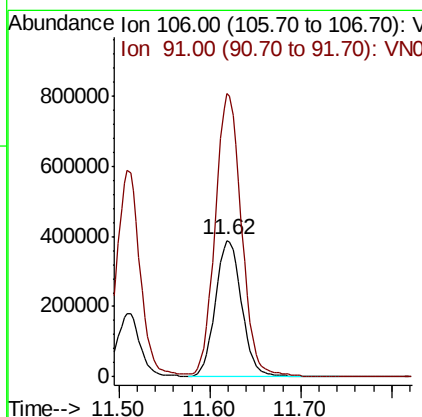
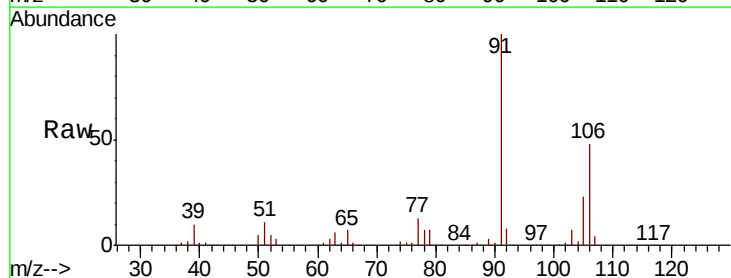
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

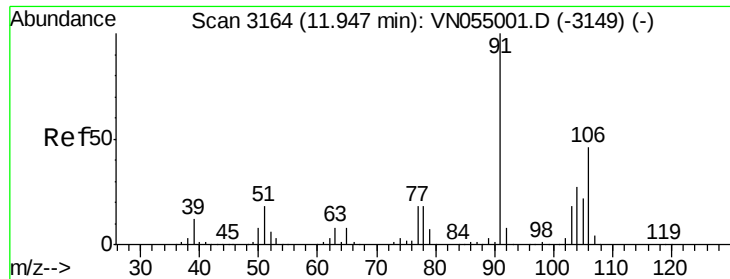
Tgt Ion: 91 Resp: 1043719
Ion Ratio Lower Upper
91 100
106 30.8 24.3 36.5



#68
m/p-Xylenes
Concen: 101.806 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

Tgt Ion: 106 Resp: 781637
Ion Ratio Lower Upper
106 100
91 208.2 165.9 248.9

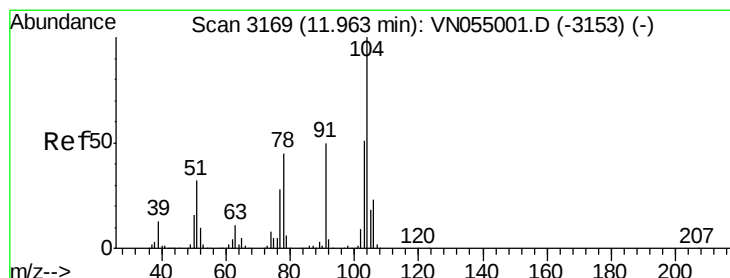
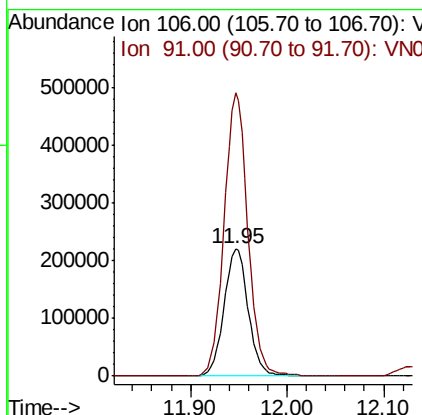
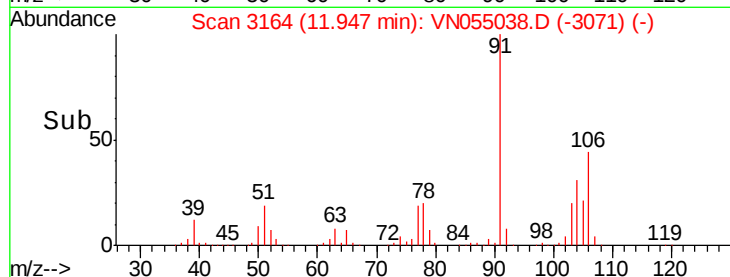
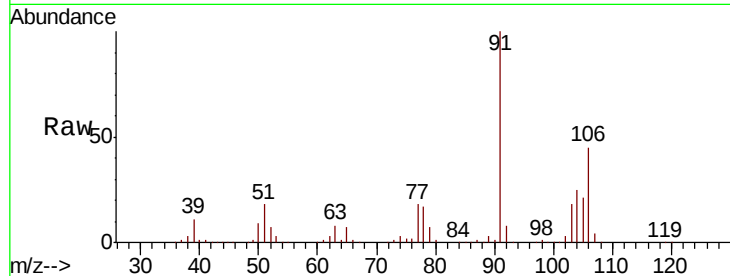




#69
o-Xylene
Concen: 50.367 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

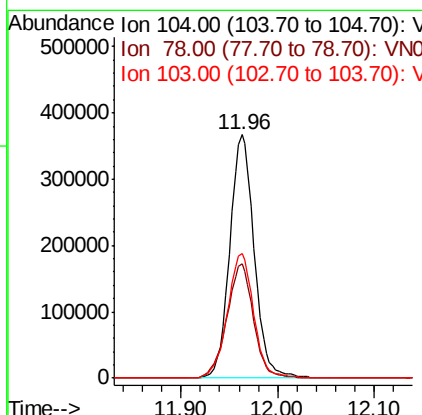
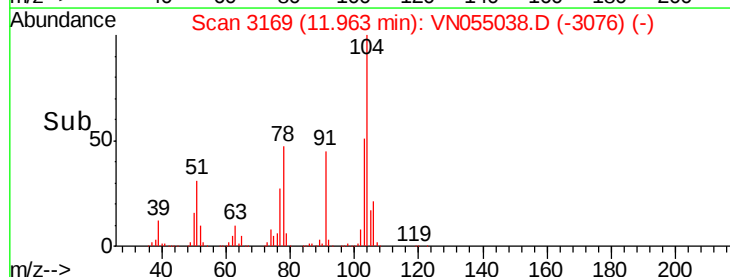
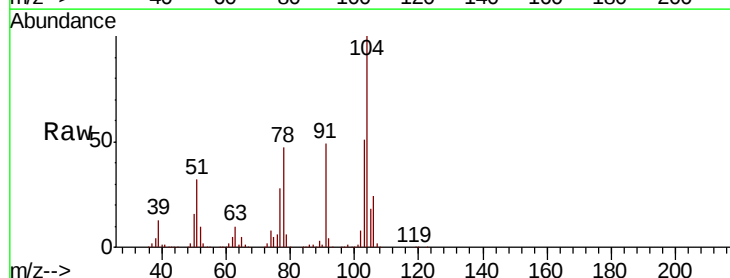
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

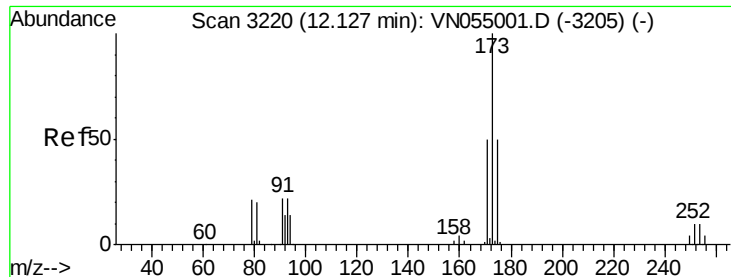
Tgt Ion:106 Resp: 382613
Ion Ratio Lower Upper
106 100
91 218.4 109.9 329.8



#70
Styrene
Concen: 53.393 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055038.D
Acq: 15 Apr 2019 11:08

Tgt Ion:104 Resp: 643113
Ion Ratio Lower Upper
104 100
78 51.0 40.3 60.5
103 55.1 44.3 66.5





#71

Bromoform

Concen: 53.816 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

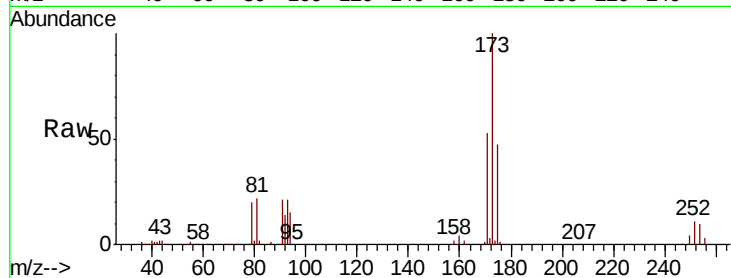
Tgt Ion:173 Resp: 136872

Ion Ratio Lower Upper

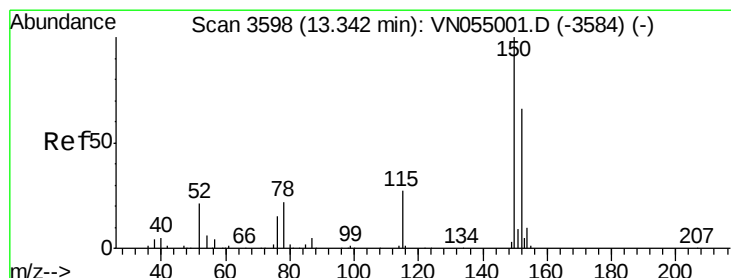
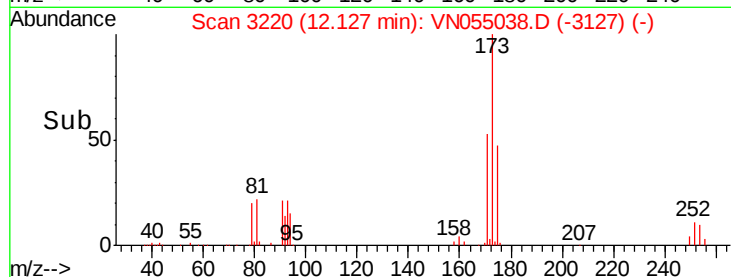
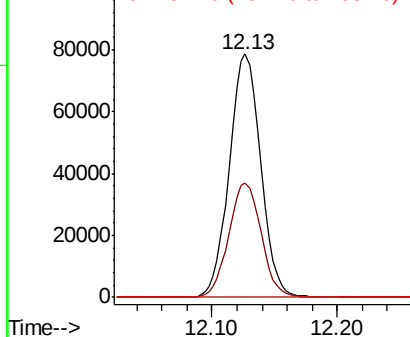
173 100

175 48.5 24.3 73.0

254 0.1 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: VN055038.D

Acq: 15 Apr 2019 11:08

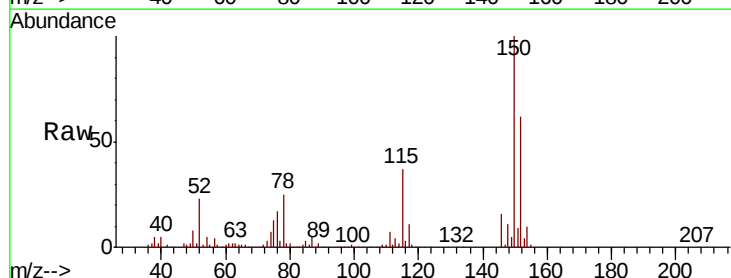
Tgt Ion:152 Resp: 254806

Ion Ratio Lower Upper

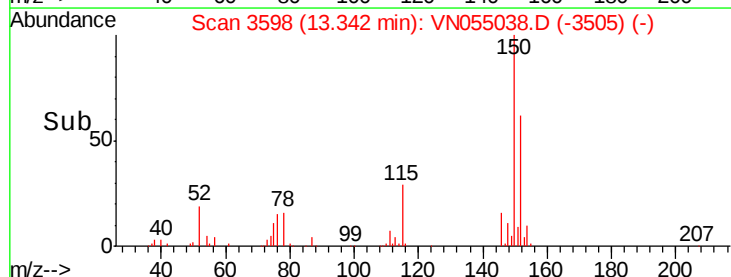
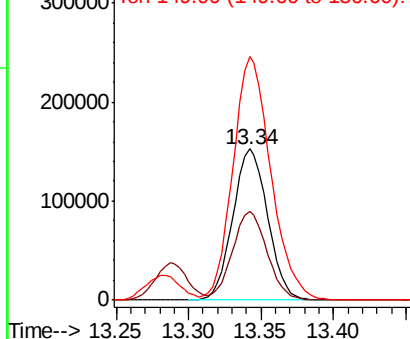
152 100

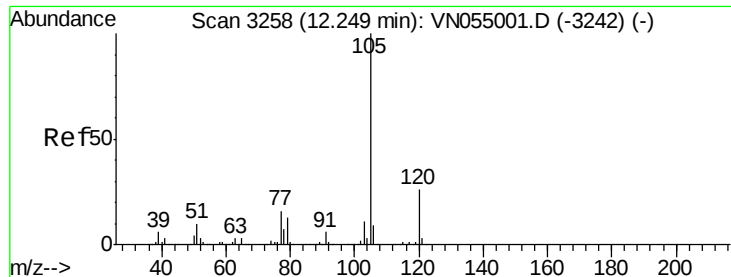
115 58.2 28.5 85.6

150 175.3 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: 46.203 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

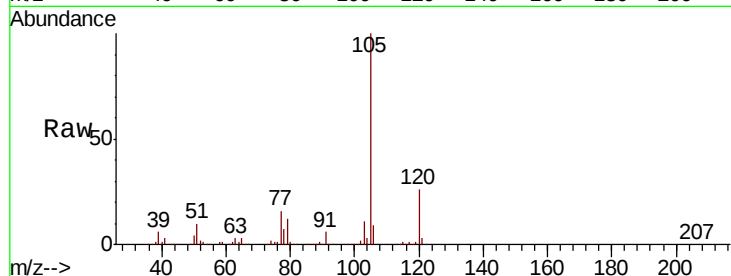
VSTDICCC050

Tgt Ion:105 Resp: 1000976

Ion Ratio Lower Upper

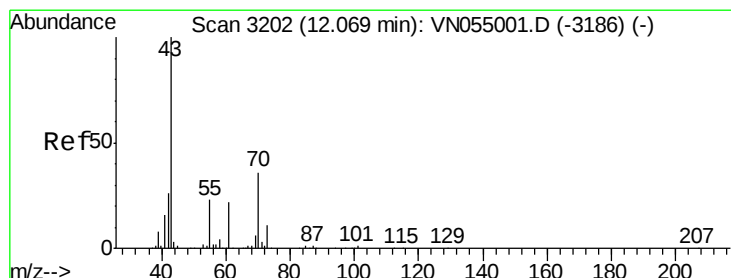
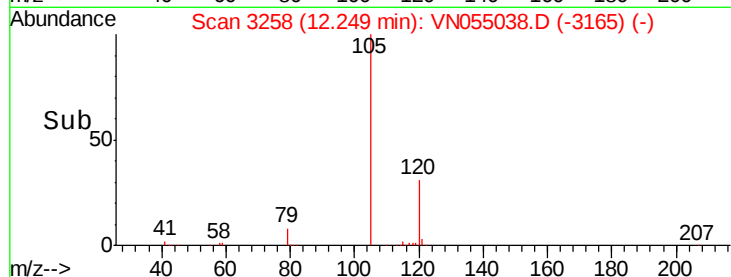
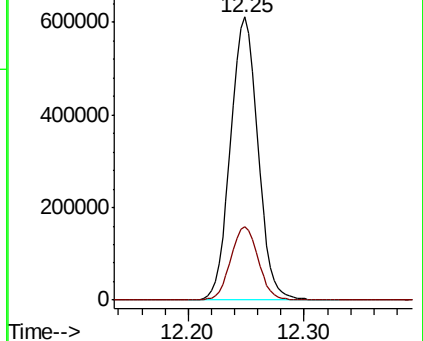
105 100

120 26.1 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.672 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Tgt Ion: 43 Resp: 324356

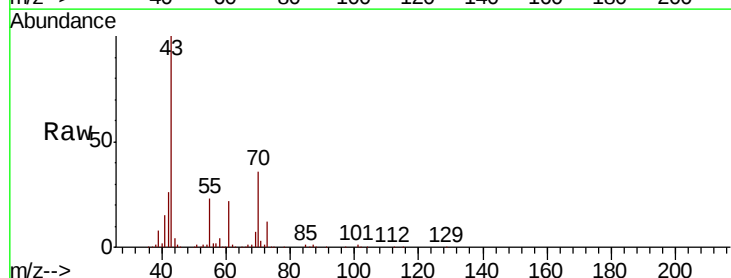
Ion Ratio Lower Upper

43 100

70 36.5 29.4 44.0

55 23.3 19.0 28.4

61 21.8 17.7 26.5

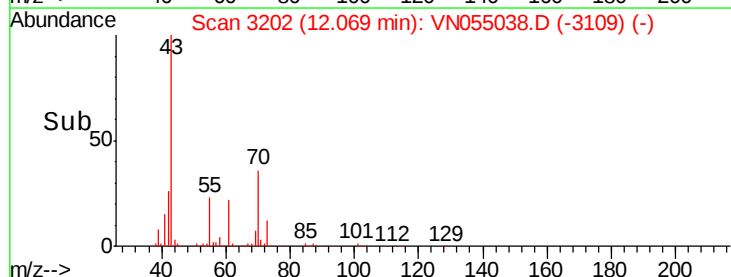
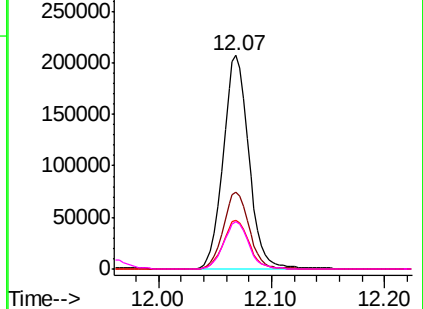


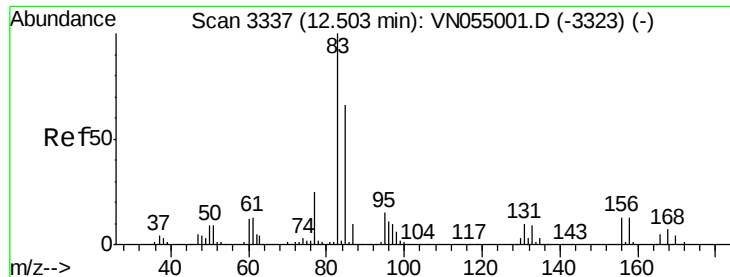
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 47.705 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

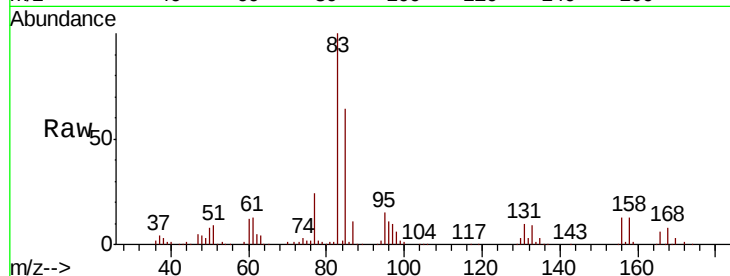
Tgt Ion: 83 Resp: 267580

Ion Ratio Lower Upper

83 100

131 10.0 5.0 15.0

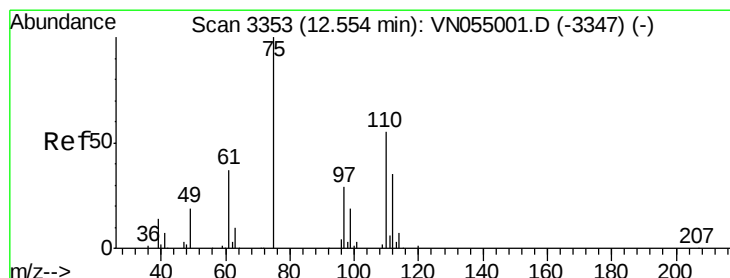
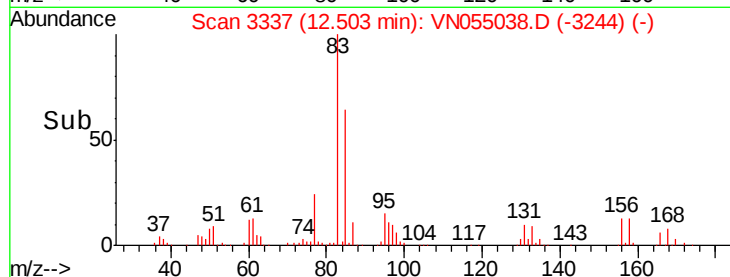
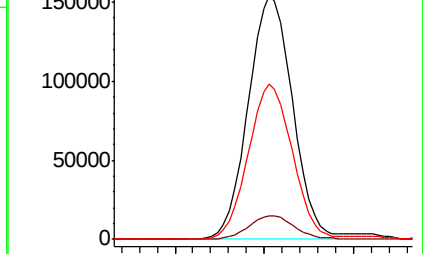
85 63.5 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN055038.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN055038.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN055038.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 66.416 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055038.D

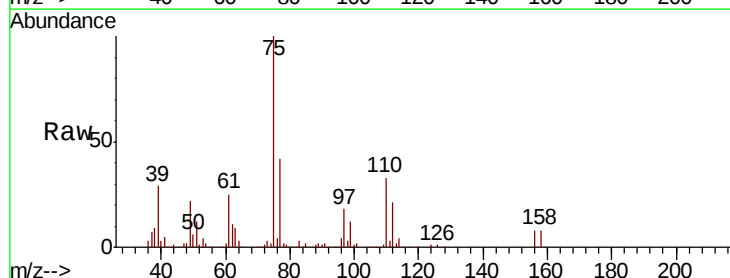
Acq: 15 Apr 2019 11:08

Tgt Ion: 75 Resp: 311342

Ion Ratio Lower Upper

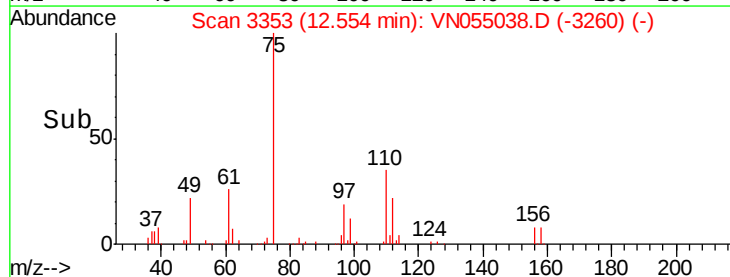
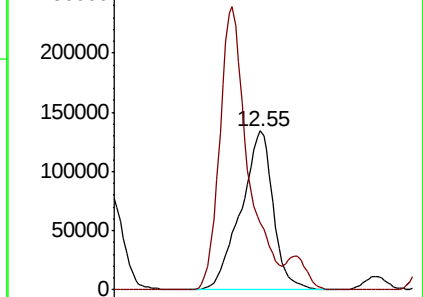
75 100

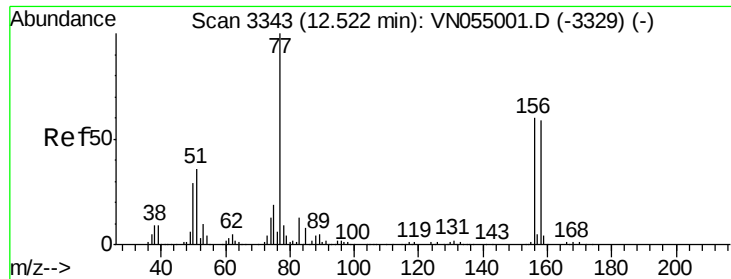
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055038.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055038.D (-3260) (-)





#77

Bromobenzene

Concen: 47.317 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

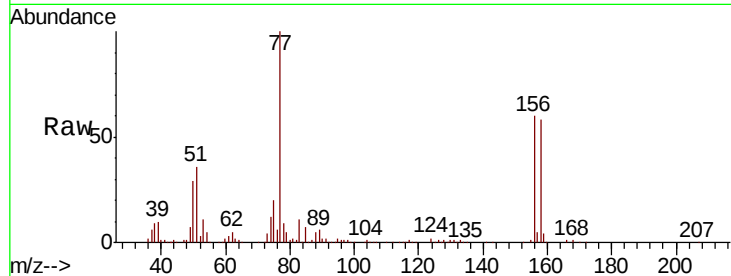
Tgt Ion:156 Resp: 251817

Ion Ratio Lower Upper

156 100

77 192.9 97.2 291.5

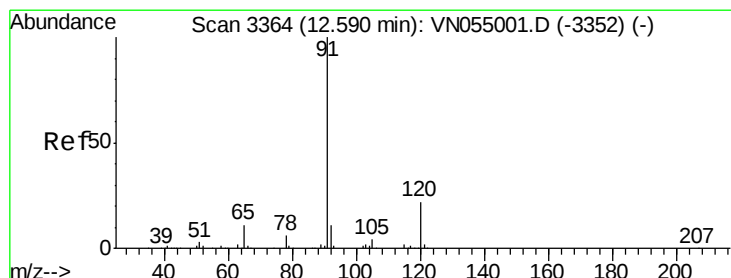
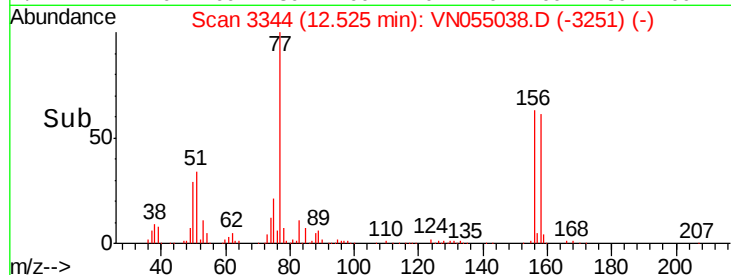
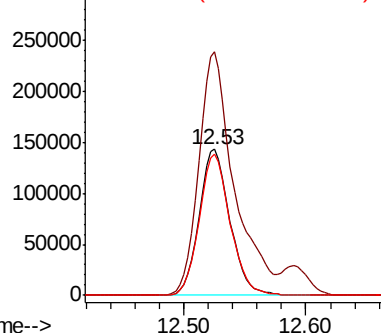
158 97.3 48.6 145.9



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: 47.618 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055038.D

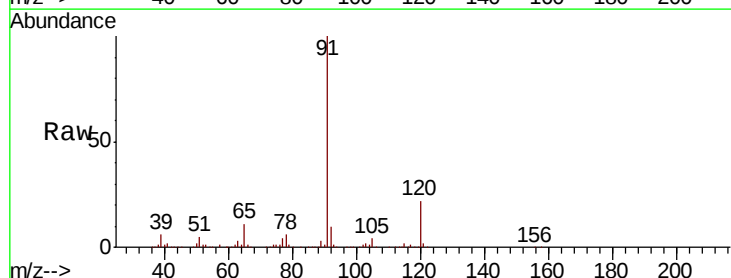
Acq: 15 Apr 2019 11:08

Tgt Ion: 91 Resp: 1123947

Ion Ratio Lower Upper

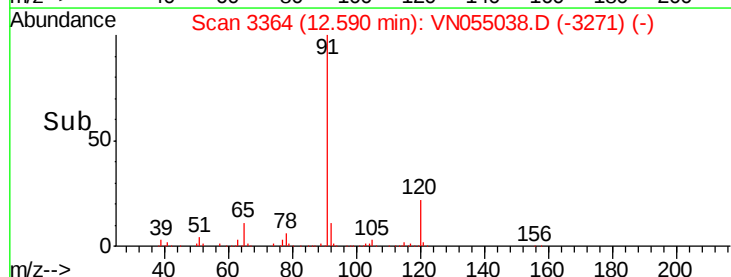
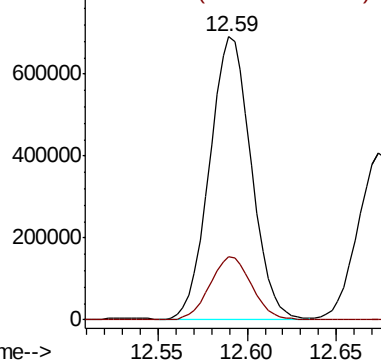
91 100

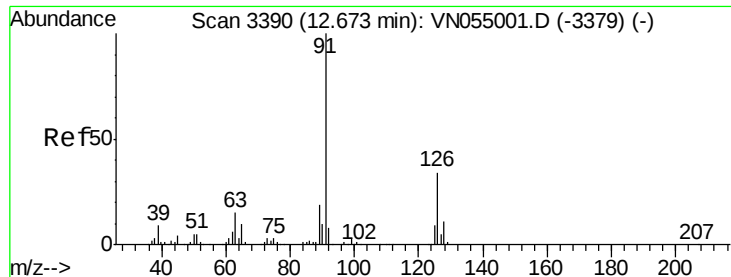
120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

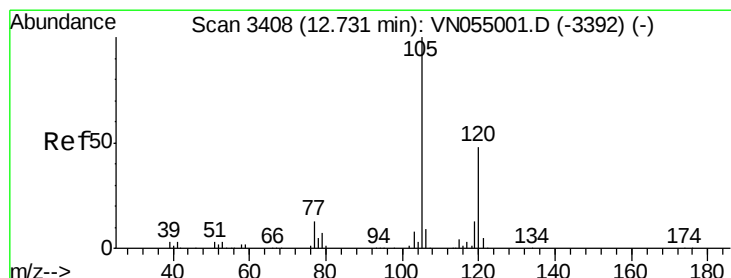
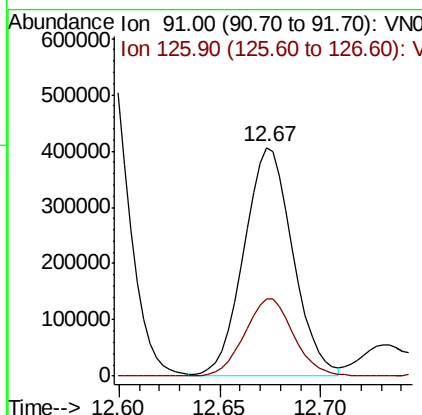
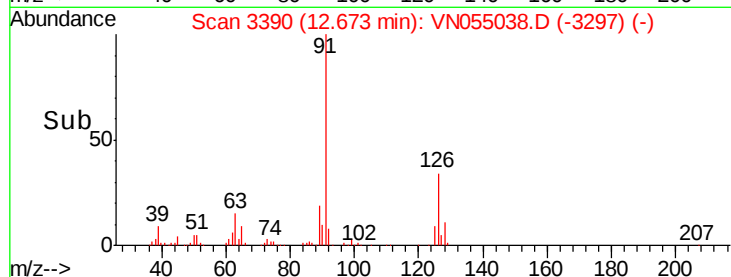
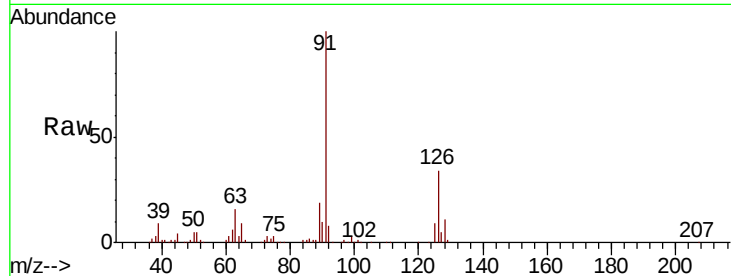




#79
 2-Chlorotoluene
 Concen: 46.985 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055038.D
 Acq: 15 Apr 2019 11:08

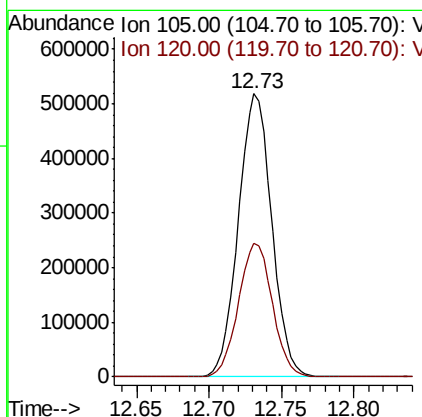
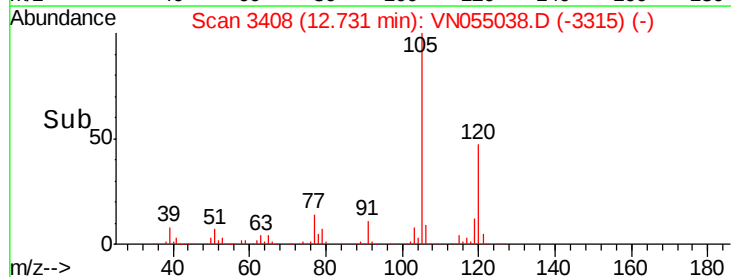
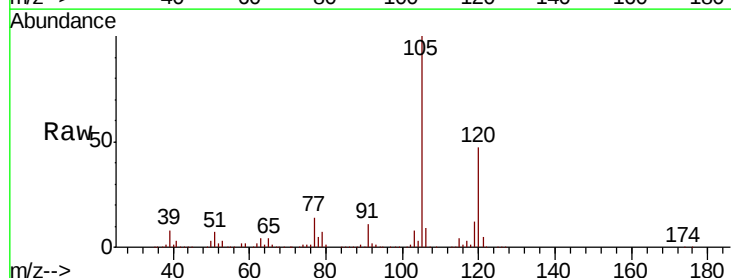
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

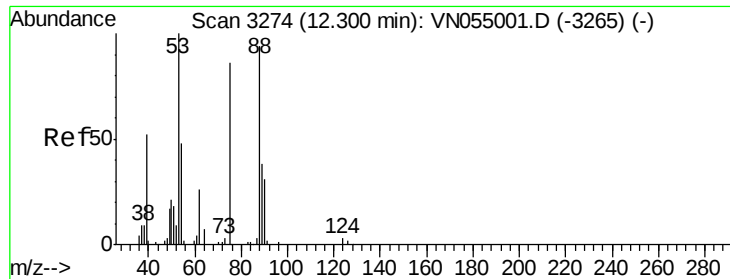
Tgt Ion: 91 Resp: 685099
 Ion Ratio Lower Upper
 91 100
 126 34.4 17.1 51.2



#80
 1,3,5-Trimethylbenzene
 Concen: 46.976 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055038.D
 Acq: 15 Apr 2019 11:08

Tgt Ion: 105 Resp: 828493
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 50.762 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

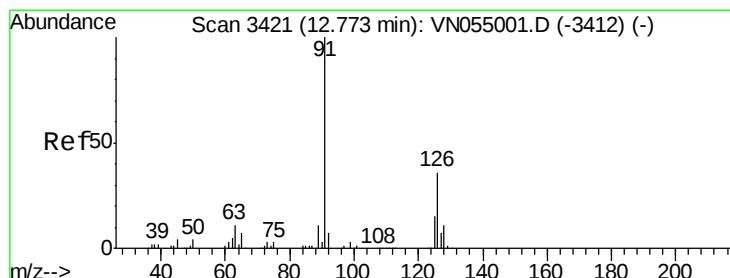
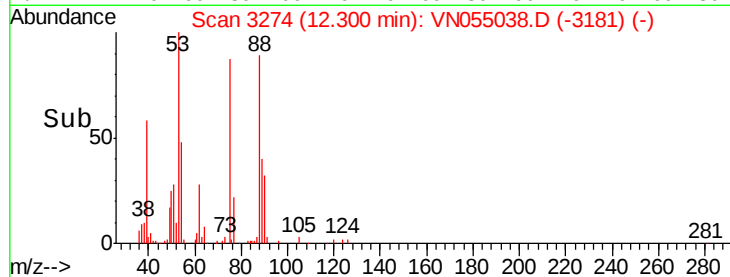
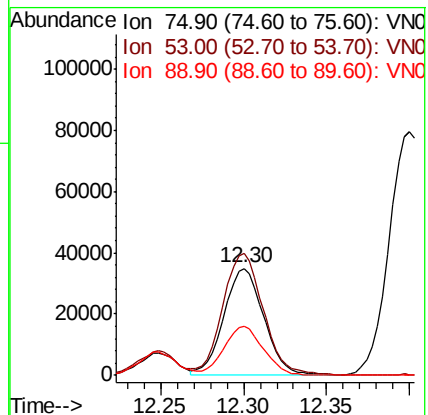
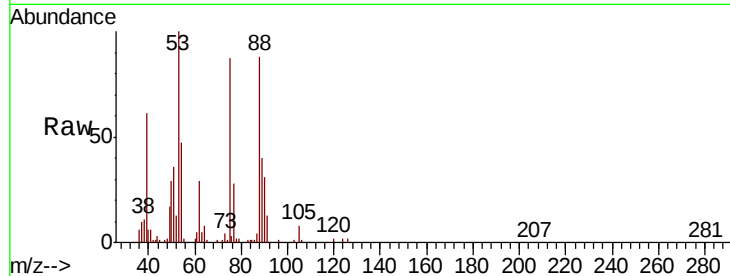
Tgt Ion: 75 Resp: 57653

Ion Ratio Lower Upper

75 100

53 118.9 96.3 144.5

89 46.1 38.6 57.8



#82

4-Chlorotoluene

Concen: 47.610 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055038.D

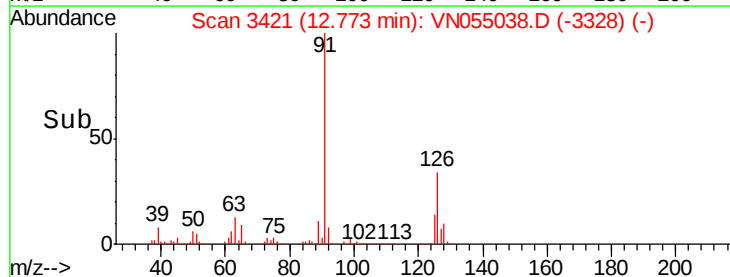
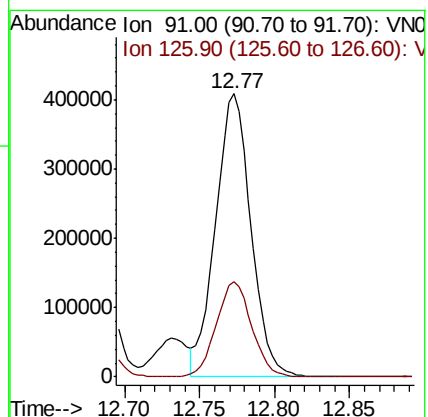
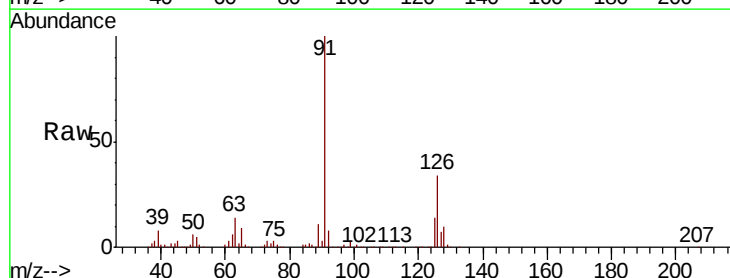
Acq: 15 Apr 2019 11:08

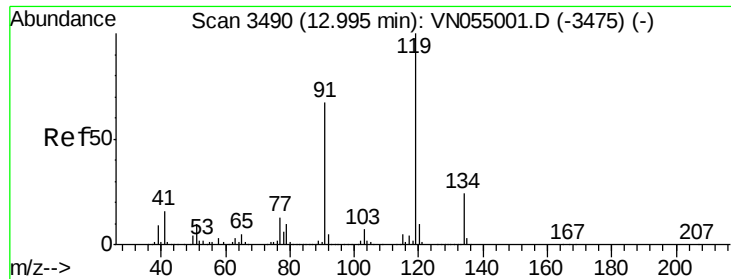
Tgt Ion: 91 Resp: 671389

Ion Ratio Lower Upper

91 100

126 33.8 16.4 49.2

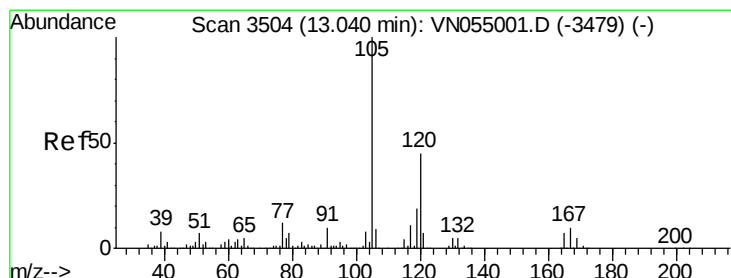
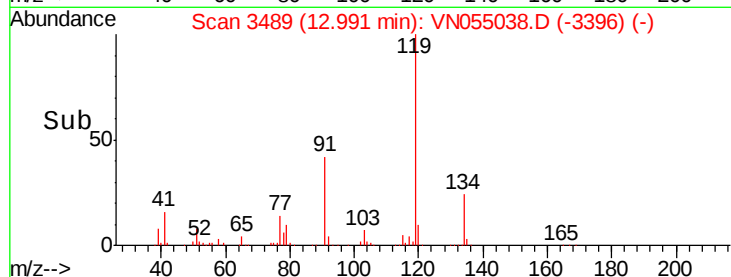
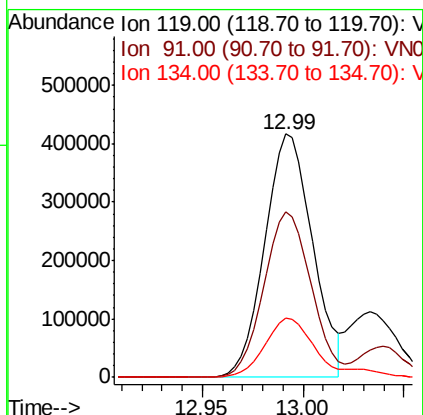
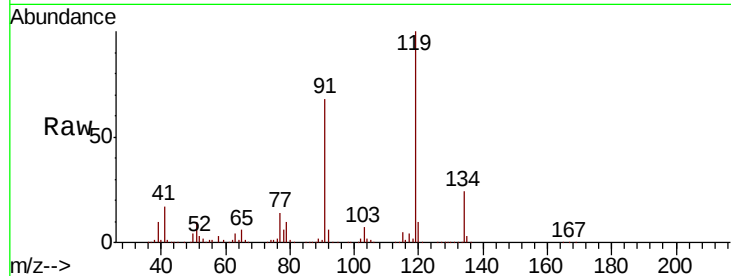




#83
 tert-Butylbenzene
 Concen: 45.559 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055038.D
 Acq: 15 Apr 2019 11:08

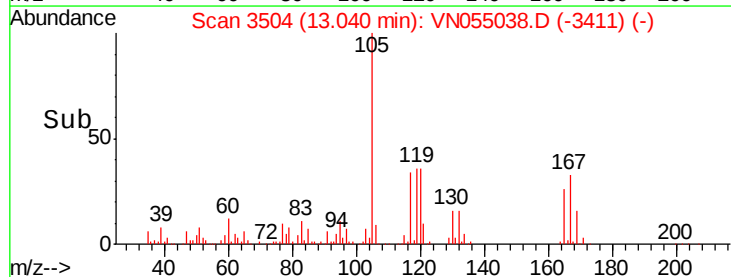
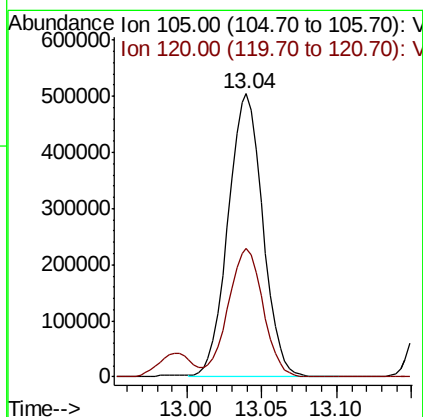
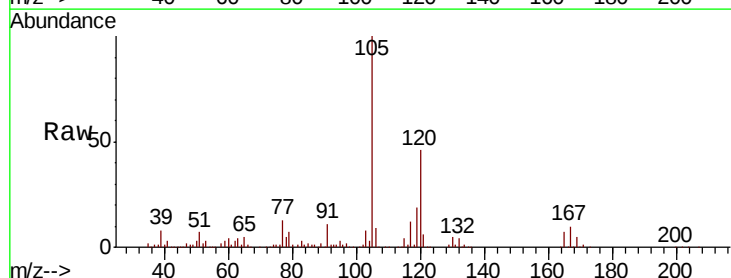
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

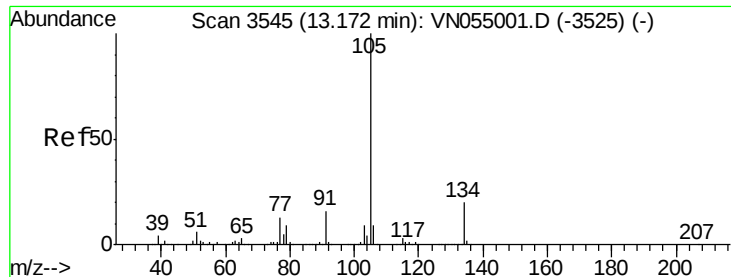
Tgt Ion:119 Resp: 688352
 Ion Ratio Lower Upper
 119 100
 91 67.0 33.3 99.8
 134 26.8 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 48.144 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055038.D
 Acq: 15 Apr 2019 11:08

Tgt Ion:105 Resp: 814162
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.4 67.3





#85

sec-Butylbenzene

Concen: 46.414 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

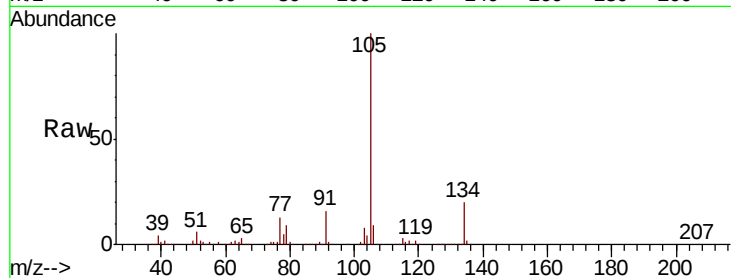
VSTDICCC050

Tgt Ion:105 Resp: 895360

Ion Ratio Lower Upper

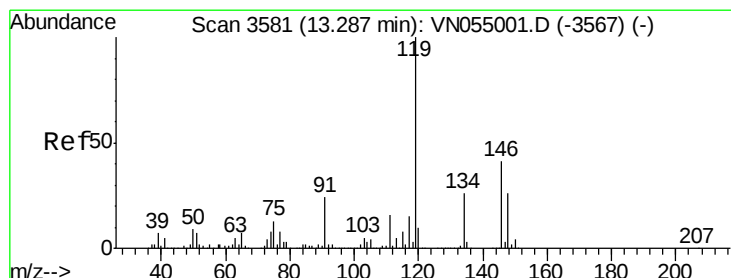
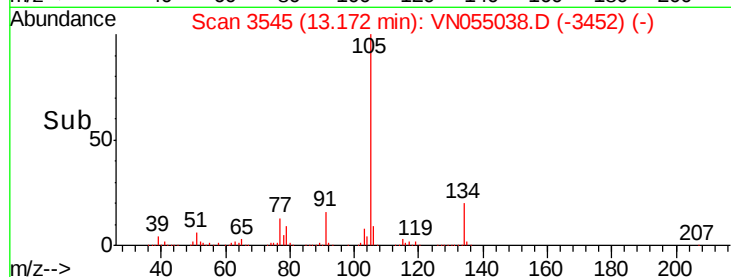
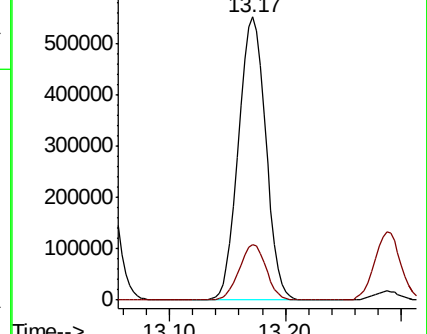
105 100

134 19.4 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.104 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

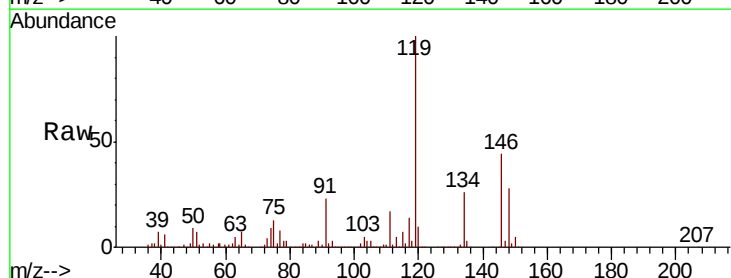
Tgt Ion:119 Resp: 790382

Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

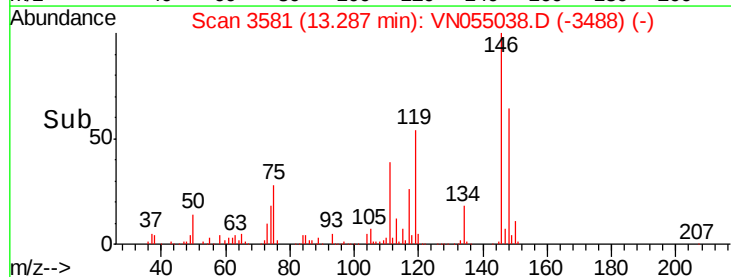
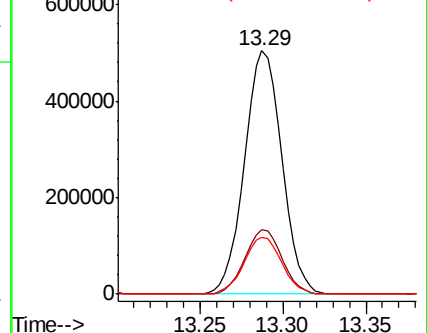
91 23.5 11.7 35.1

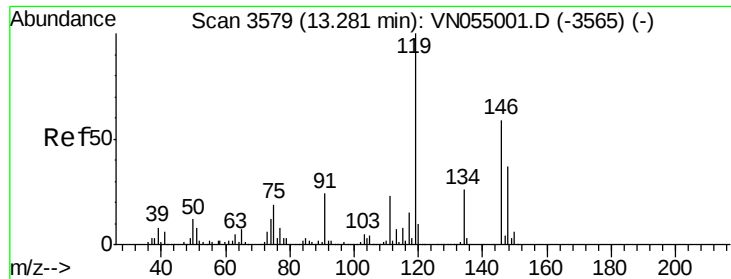


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

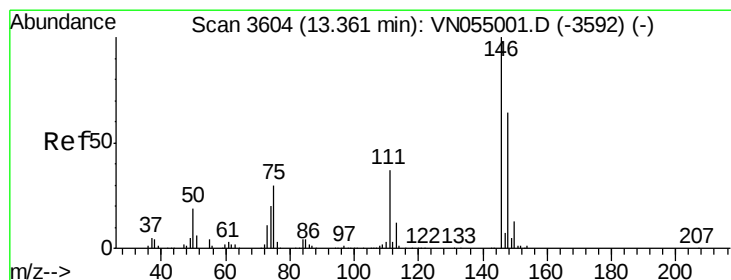
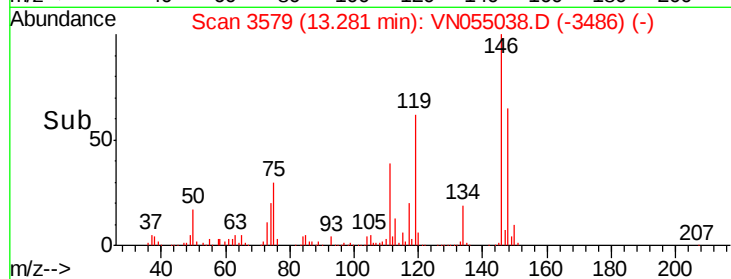
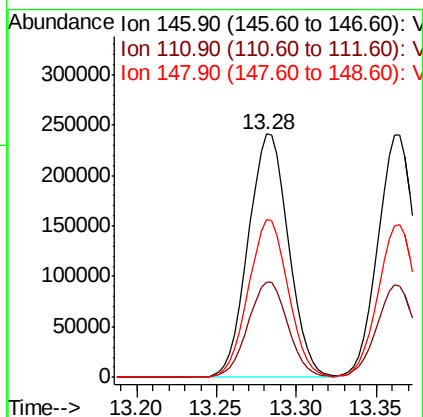
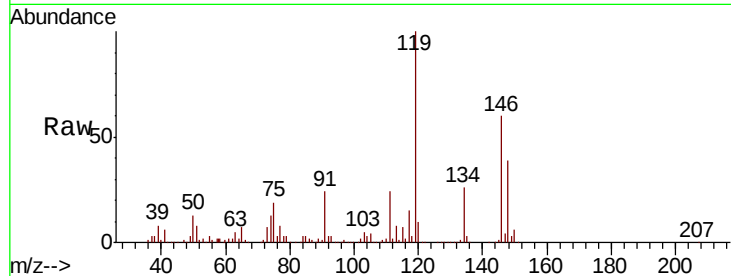




#87
 1,3-Dichlorobenzene
 Concen: 48.102 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055038.D
 Acq: 15 Apr 2019 11:08

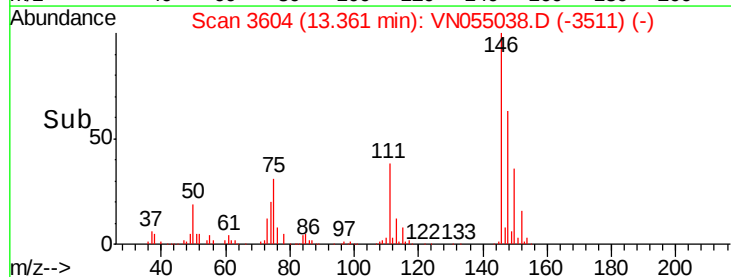
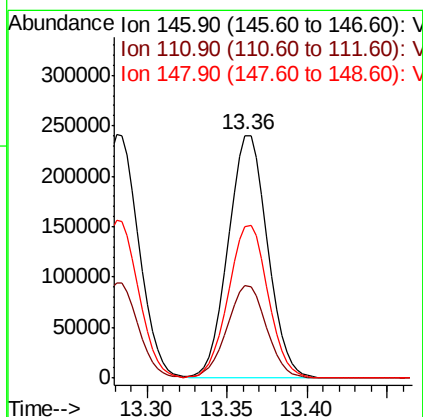
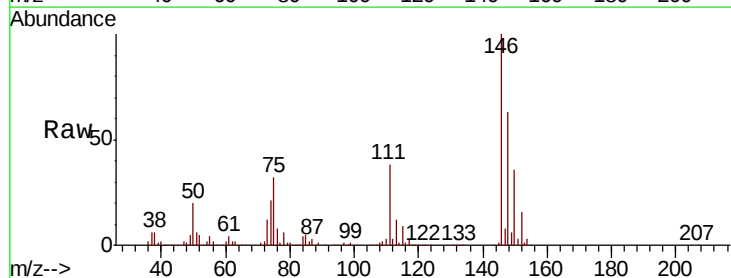
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

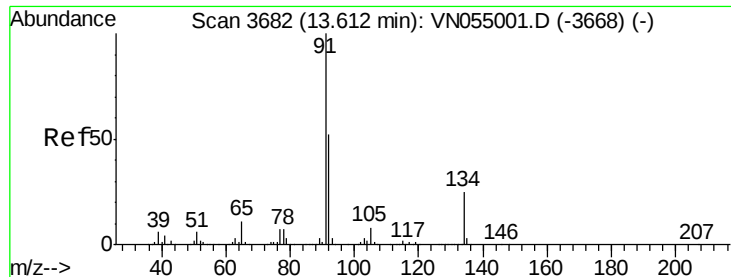
Tgt Ion:146 Resp: 416312
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.5 58.5
 148 63.9 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 48.602 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055038.D
 Acq: 15 Apr 2019 11:08

Tgt Ion:146 Resp: 402308
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.8 56.4
 148 63.8 32.4 97.2





#89

n-Butylbenzene

Concen: 48.291 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

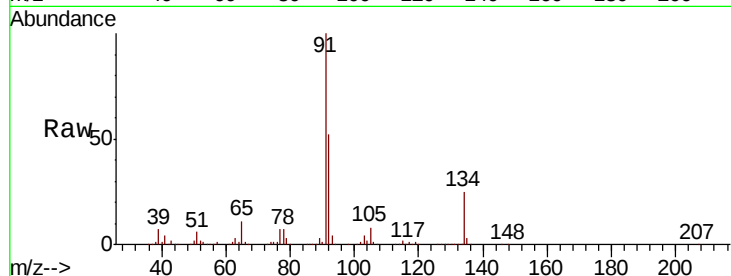
Tgt Ion: 91 Resp: 636391

Ion Ratio Lower Upper

91 100

92 52.2 25.9 77.7

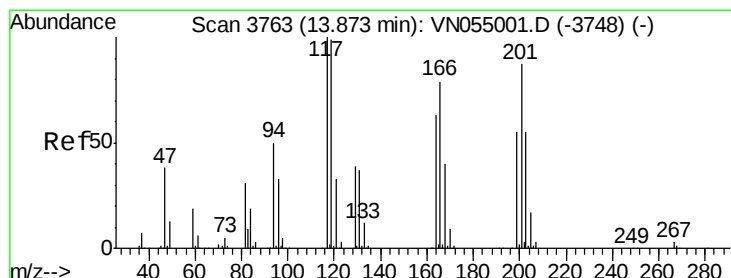
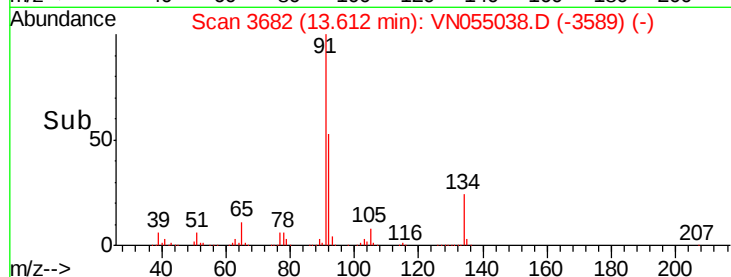
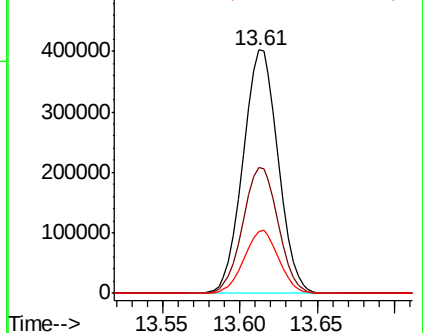
134 25.4 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN055001.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055001.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055001.D (-3668) (-)



#90

Hexachloroethane

Concen: 44.480 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055038.D

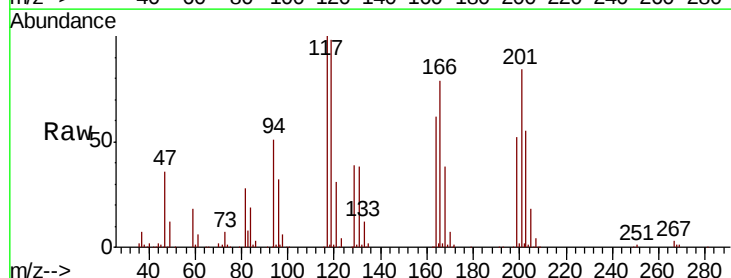
Acq: 15 Apr 2019 11:08

Tgt Ion: 117 Resp: 123328

Ion Ratio Lower Upper

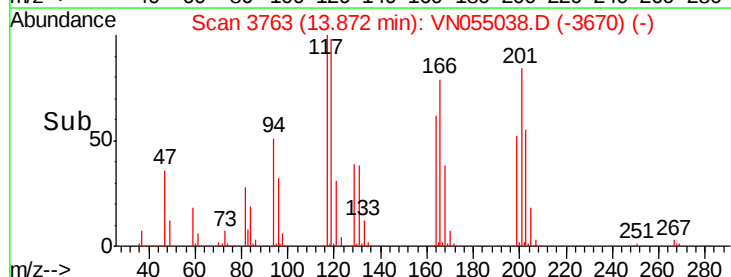
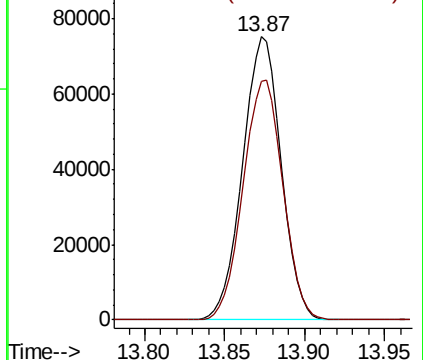
117 100

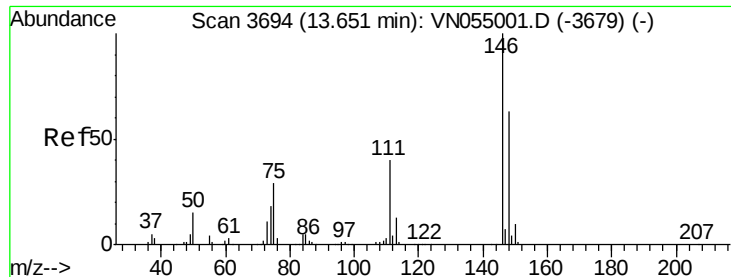
201 87.6 43.4 130.2



Abundance Ion 116.80 (116.50 to 117.50): VN055001.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN055001.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 49.297 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

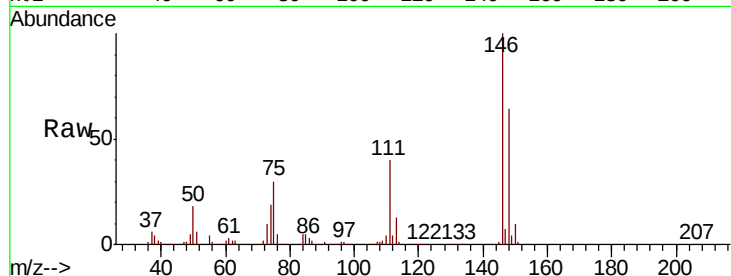
Tgt Ion:146 Resp: 414187

Ion Ratio Lower Upper

146 100

111 39.7 20.3 60.9

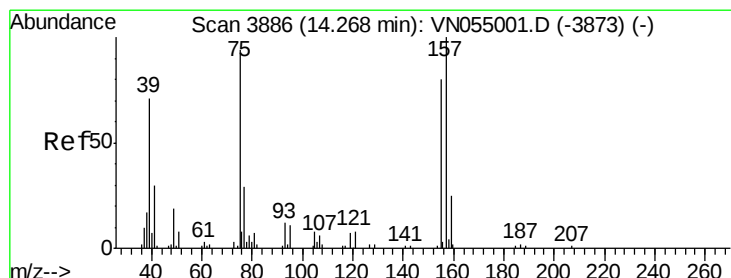
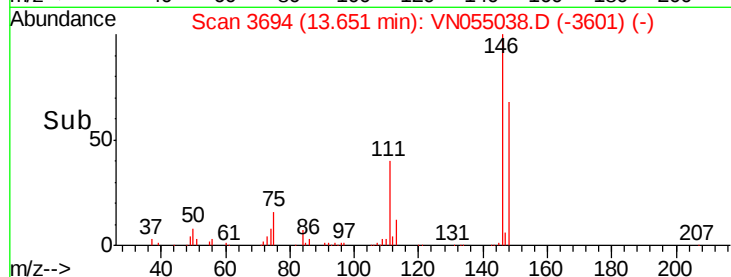
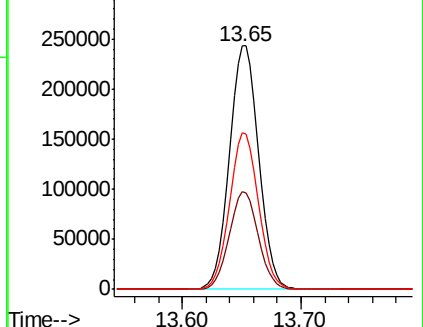
148 63.5 32.2 96.6



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: 51.067 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

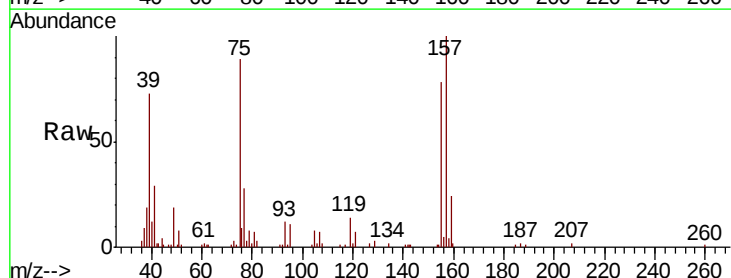
Tgt Ion: 75 Resp: 37246

Ion Ratio Lower Upper

75 100

155 86.1 42.0 126.0

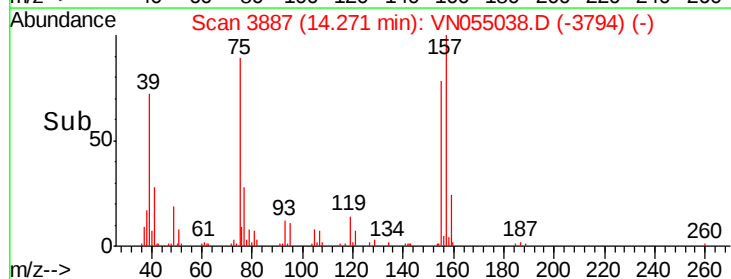
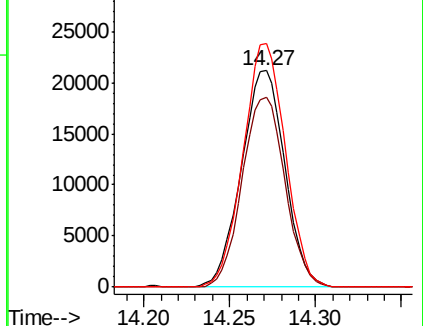
157 109.2 52.1 156.4

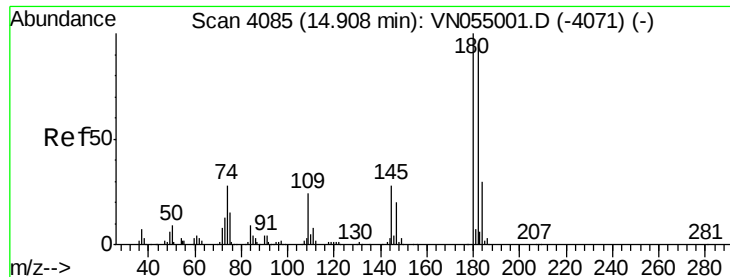


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

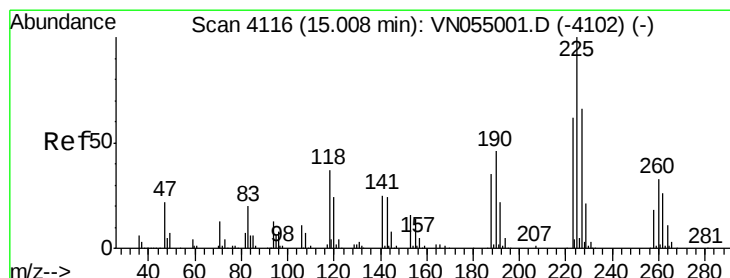
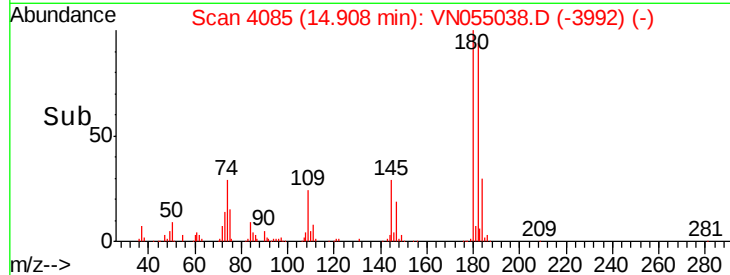
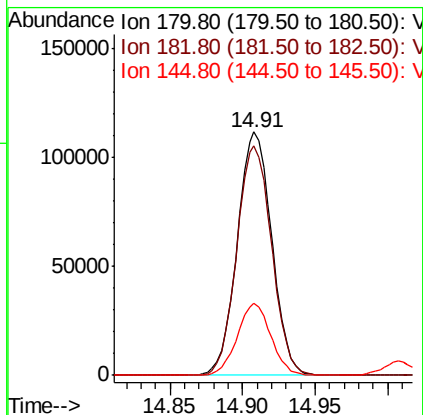
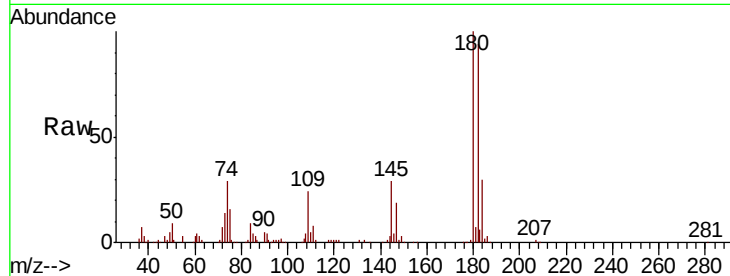




#93
 1,2,4-Trichlorobenzene
 Concen: 52.133 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055038.D
 Acq: 15 Apr 2019 11:08

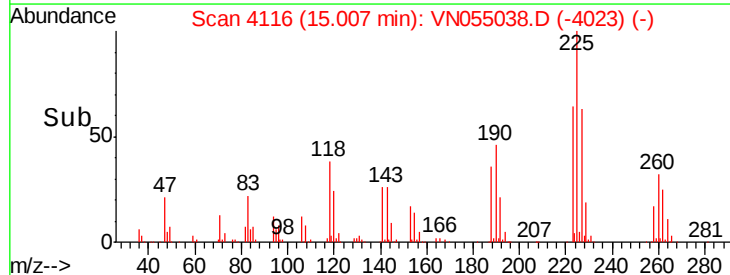
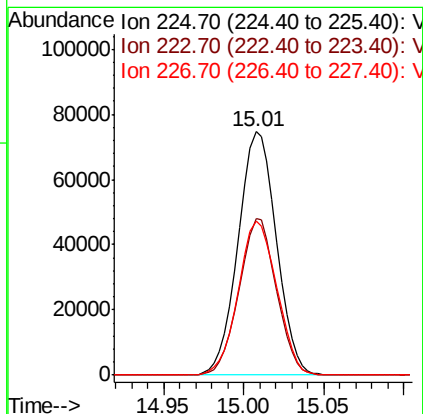
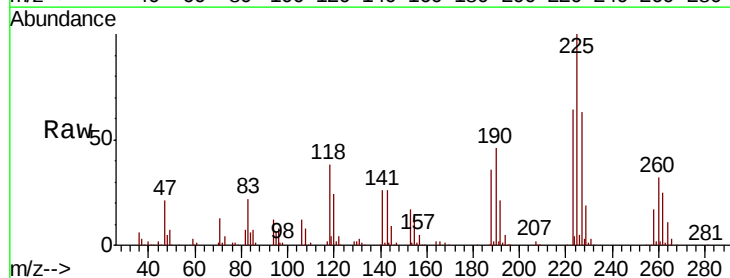
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

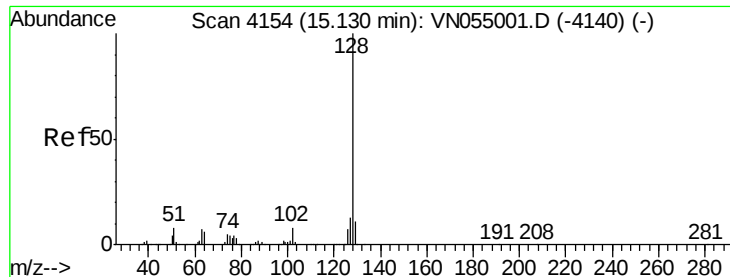
Tgt Ion:180 Resp: 184448
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.5 142.6
 145 28.7 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 41.631 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055038.D
 Acq: 15 Apr 2019 11:08

Tgt Ion:225 Resp: 121905
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.4 94.0
 227 63.5 32.6 97.7





#95

Naphthalene

Concen: 50.815 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

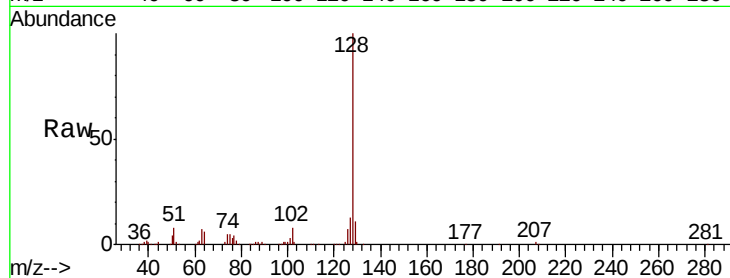
Tgt Ion:128 Resp: 420787

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

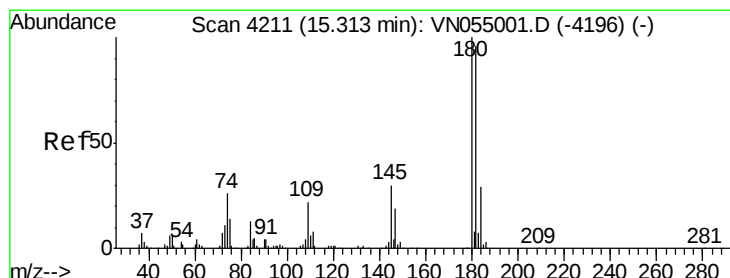
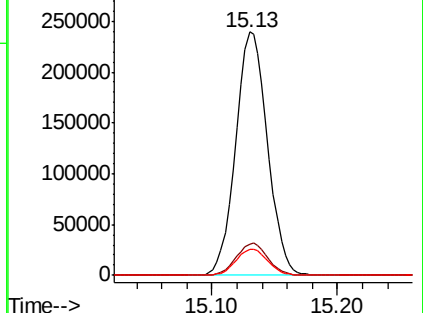
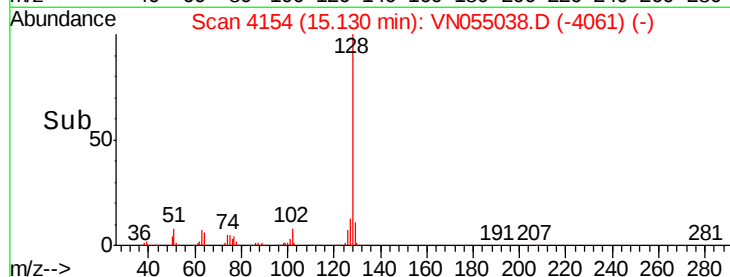
129 10.8 8.8 13.2



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: 48.484 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

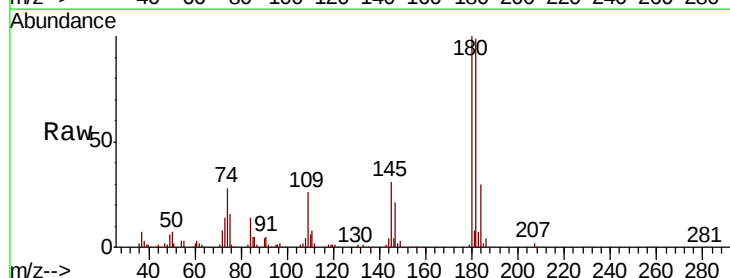
Tgt Ion:180 Resp: 183755

Ion Ratio Lower Upper

180 100

182 97.1 48.0 144.0

145 31.1 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

