

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032020\
 Data File : VN060649.D
 Acq On : 20 Mar 2020 13:55
 Operator : JC/MD
 Sample : VN0320WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 23:23:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	187314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	308783	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	279877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131725	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	127908	49.74	ug/l	0.00
Spiked Amount						
			Recovery	=	99.48%	
35) Dibromofluoromethane	7.56	113	92882	49.75	ug/l	0.00
Spiked Amount						
			Recovery	=	99.50%	
50) Toluene-d8	10.08	98	370195	48.54	ug/l	0.00
Spiked Amount						
			Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.40	95	134725	48.20	ug/l	0.00
Spiked Amount						
			Recovery	=	96.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	34838	19.222	ug/l	99
3) Chloromethane	2.04	50	59837	17.677	ug/l	98
4) Vinyl Chloride	2.16	62	47335	17.878	ug/l	98
5) Bromomethane	2.55	94	23088	20.201	ug/l	100
6) Chloroethane	2.69	64	28412	18.629	ug/l	99
7) Trichlorofluoromethane	3.00	101	62208	19.074	ug/l	100
8) Diethyl Ether	3.38	74	25253	19.274	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	36640	19.388	ug/l	99
10) Methyl Iodide	3.93	142	33425	19.876	ug/l	100
11) Tert butyl alcohol	4.73	59	37672	99.616	ug/l	100
12) 1,1-Dichloroethene	3.72	96	36912	18.201	ug/l	99
13) Acrolein	3.58	56	30633	73.088	ug/l	98
14) Allyl chloride	4.29	41	66040	18.515	ug/l	100
15) Acrylonitrile	4.94	53	109974	98.893	ug/l	99
16) Acetone	3.78	43	92494	101.548	ug/l	97
17) Carbon Disulfide	4.03	76	112347	18.215	ug/l	100
18) Methyl Acetate	4.28	43	50555	19.719	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	132770	19.042	ug/l	97
20) Methylene Chloride	4.52	84	42792	19.098	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	40444	18.712	ug/l	97
22) Diisopropyl ether	5.91	45	148019	19.642	ug/l	97
23) Vinyl Acetate	5.86	43	609107	99.066	ug/l	100
24) 1,1-Dichloroethane	5.82	63	79719	19.405	ug/l	100
25) 2-Butanone	6.80	43	142741	96.846	ug/l	99
26) 2,2-Dichloropropane	6.80	77	65210	20.175	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	47162	19.201	ug/l	99
28) Bromochloromethane	7.17	49	40580	20.646	ug/l	99
29) Tetrahydrofuran	7.18	42	100722	96.584	ug/l	99
30) Chloroform	7.34	83	75222	19.100	ug/l	99
31) Cyclohexane	7.63	56	76481	18.467	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	64250	18.925	ug/l	97
36) 1,1-Dichloropropene	7.77	75	58926	19.708	ug/l	100
37) Ethyl Acetate	6.89	43	62362	19.303	ug/l	99
38) Carbon Tetrachloride	7.75	117	50563	18.868	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	68930	19.399	ug/l	97
40) Benzene	8.02	78	173969	19.274	ug/l	98
41) Methacrylonitrile	7.14	41	28415	20.609	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	62305	20.198	ug/l	100
43) Isopropyl Acetate	8.14	43	104665	19.644	ug/l	99
44) Trichloroethene	8.82	130	45344	19.928	ug/l	98
45) 1,2-Dichloropropane	9.10	63	47519	19.952	ug/l	96
46) Dibromomethane	9.19	93	29396	20.416	ug/l	99
47) Bromodichloromethane	9.38	83	58546	19.567	ug/l	99
48) Methyl methacrylate	9.18	41	45274	19.085	ug/l	97
49) 1,4-Dioxane	9.18	88	12955	459.452	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	304921	100.570	ug/l	100
52) Toluene	10.14	92	105689	19.389	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	68795	20.017	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	75014	19.895	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	42063	20.058	ug/l	99
56) Ethyl methacrylate	10.42	69	63193	19.326	ug/l	96
57) 1,3-Dichloropropane	10.70	76	73238	20.125	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	164608	101.287	ug/l	100
59) 2-Hexanone	10.74	43	216388	99.076	ug/l	100
60) Dibromochloromethane	10.89	129	43435	20.051	ug/l	100
61) 1,2-Dibromoethane	10.99	107	42387	20.100	ug/l	100
64) Tetrachloroethene	10.62	164	44968	20.418	ug/l	99
65) Chlorobenzene	11.43	112	107864	19.441	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	39545	19.685	ug/l	98
67) Ethyl Benzene	11.50	91	203128	19.687	ug/l	99
68) m/p-Xylenes	11.61	106	149887	39.092	ug/l	99
69) o-Xylene	11.94	106	72322	19.759	ug/l	99
70) Styrene	11.96	104	116213	19.413	ug/l	100
71) Bromoform	12.12	173	30168	19.142	ug/l #	99
73) Isopropylbenzene	12.24	105	192551	19.478	ug/l	99
74) N-amyl acetate	12.06	43	87256	19.102	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	59250	19.820	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	80567	28.345	ug/l #	100
77) Bromobenzene	12.52	156	45368	19.046	ug/l	99
78) n-propylbenzene	12.59	91	226950	19.432	ug/l	99
79) 2-Chlorotoluene	12.67	91	132642	19.008	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	162180	19.332	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21067	19.036	ug/l	97
82) 4-Chlorotoluene	12.77	91	137397	19.332	ug/l	100
83) tert-Butylbenzene	12.99	119	133512	19.199	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	161176	19.420	ug/l	100
85) sec-Butylbenzene	13.17	105	178887	19.129	ug/l	100
86) p-Isopropyltoluene	13.28	119	161558	19.212	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	82455	19.626	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	81881	19.399	ug/l	99
89) n-Butylbenzene	13.61	91	145713	19.193	ug/l	99
90) Hexachloroethane	13.87	117	20462	16.740	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	79126	19.697	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11615	18.381	ug/l	98

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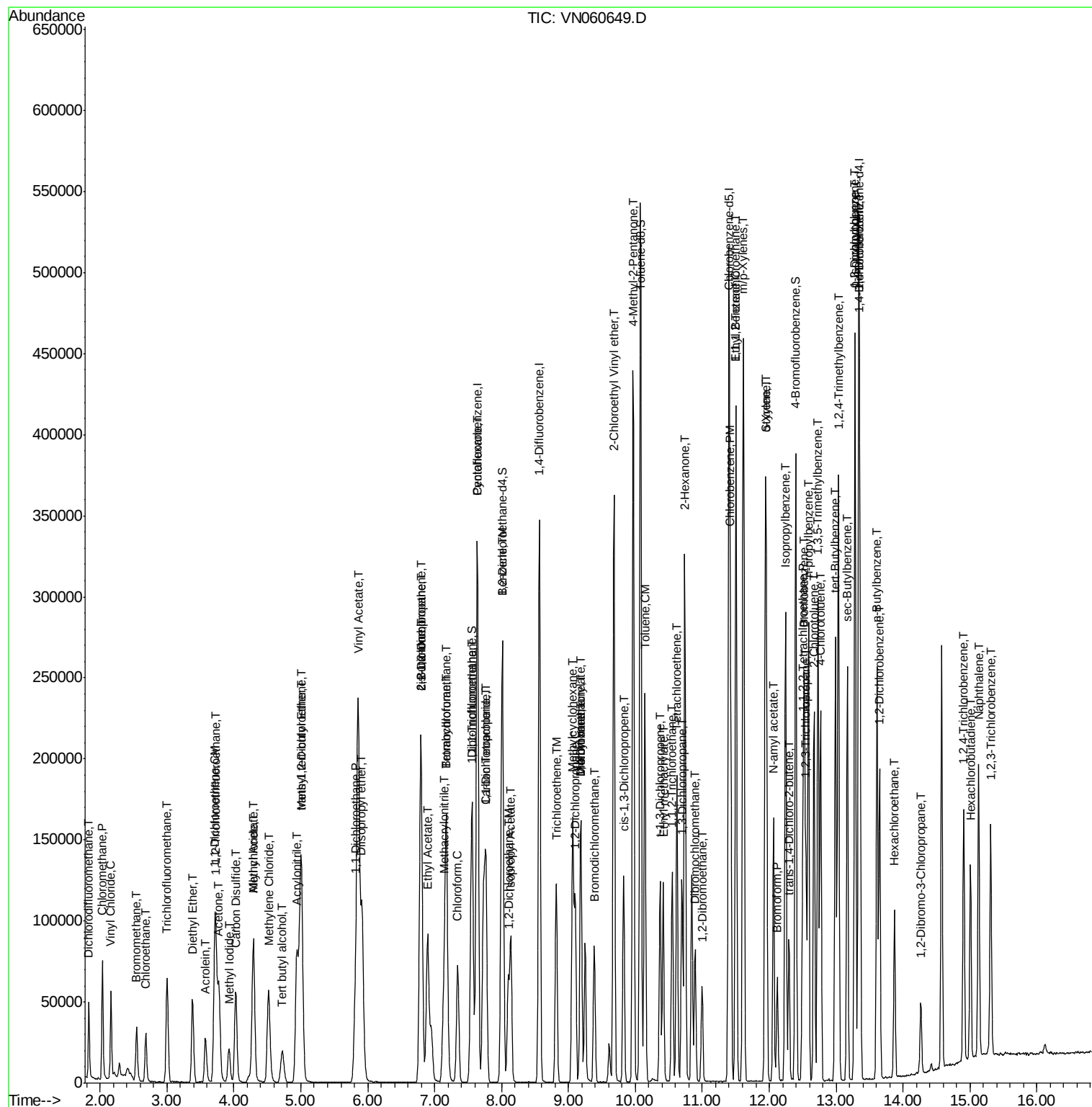
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	49910	20.232	ug/l	98
94) Hexachlorobutadiene	15.01	225	23557	19.479	ug/l	100
95) Naphthalene	15.13	128	149576	20.158	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	47602	19.590	ug/l	99

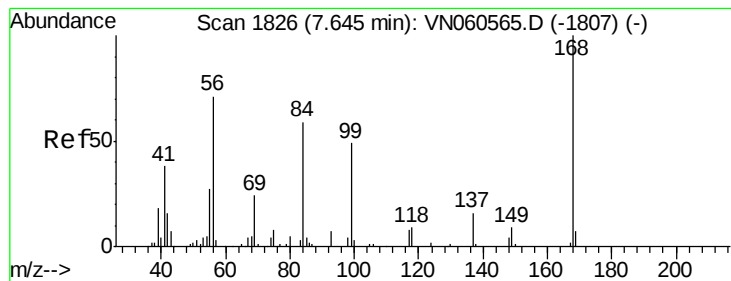
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032020\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

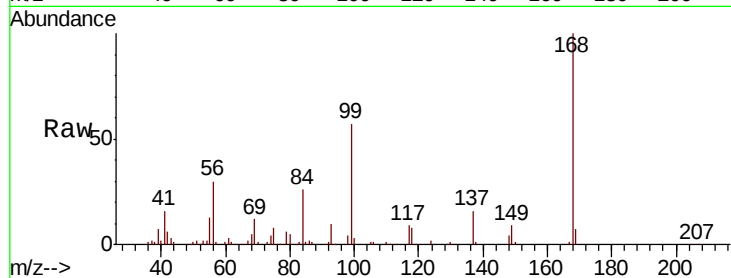
ClientSampleId :

Tot Ion:168 Resp: 187314

Ion Ratio Lower Upper

168 100

99 56.6 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.64

80000

60000

40000

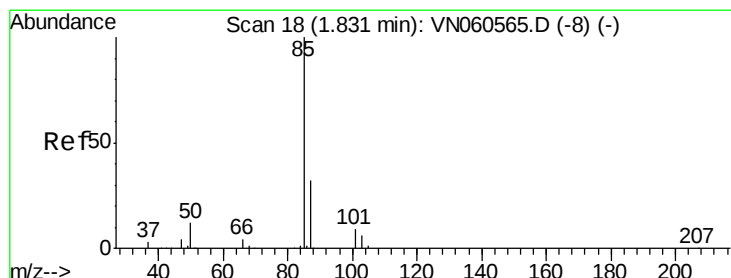
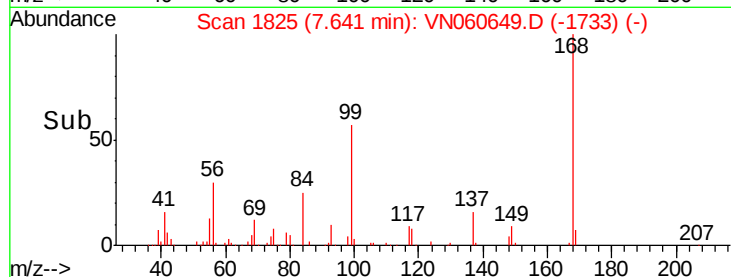
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.222 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060649.D

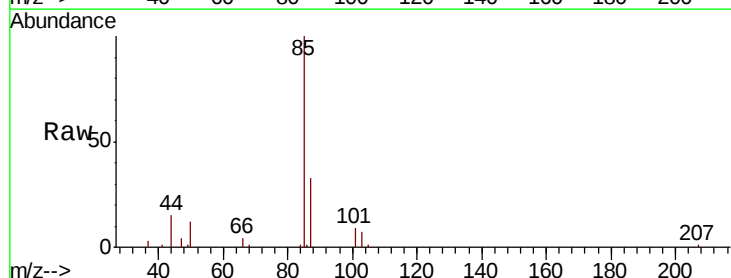
Acq: 20 Mar 2020 13:55

Tgt Ion: 85 Resp: 34838

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.83

30000

25000

20000

15000

10000

5000

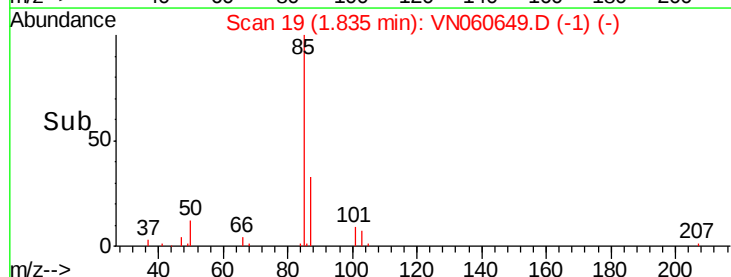
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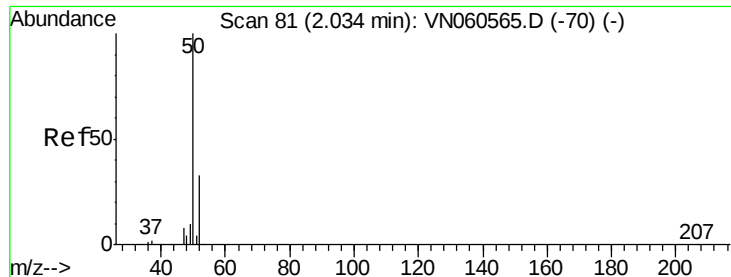
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 17.677 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

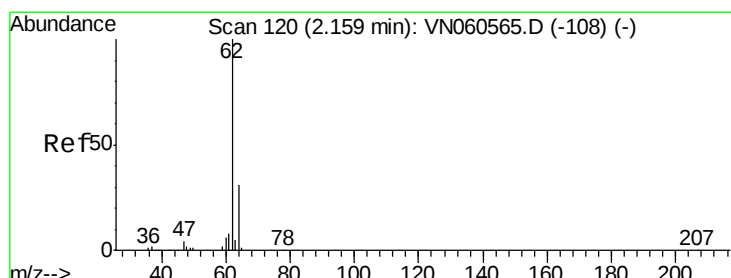
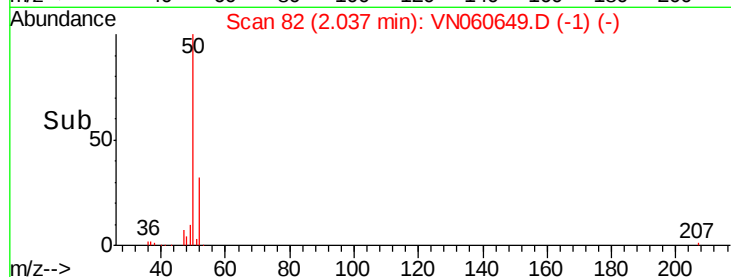
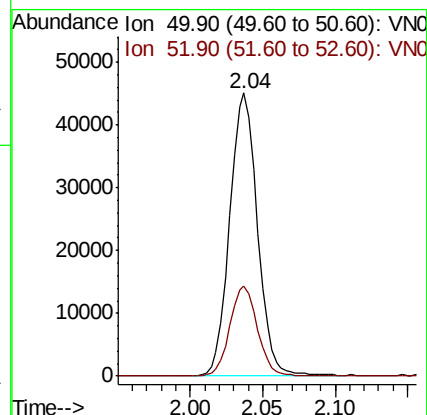
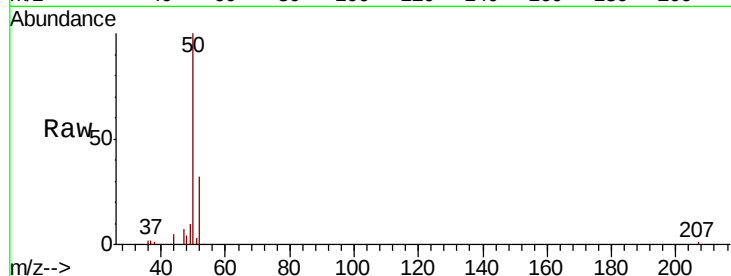
ClientSampled :

Tot Ion: 50 Resp: 59837

Ion Ratio Lower Upper

50 100

52 31.8 26.2 39.2



#4

Vinyl Chloride

Concen: 17.878 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060649.D

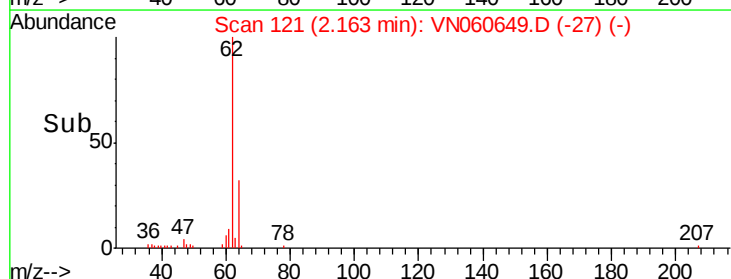
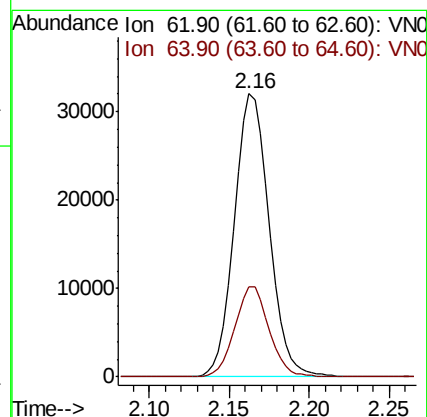
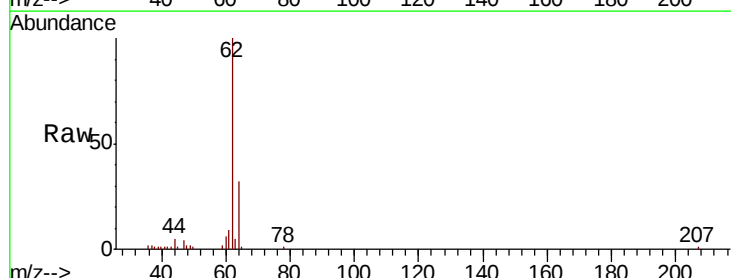
Acq: 20 Mar 2020 13:55

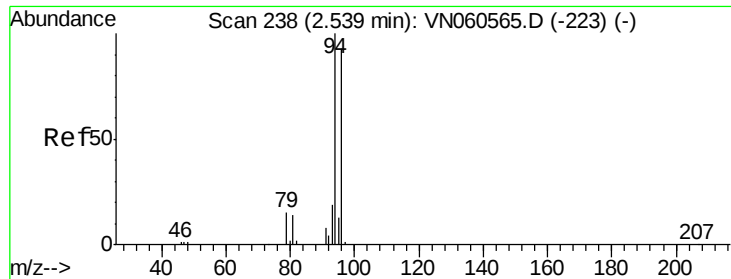
Tgt Ion: 62 Resp: 47335

Ion Ratio Lower Upper

62 100

64 31.8 24.7 37.1





#5

Bromomethane

Concen: 20.201 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

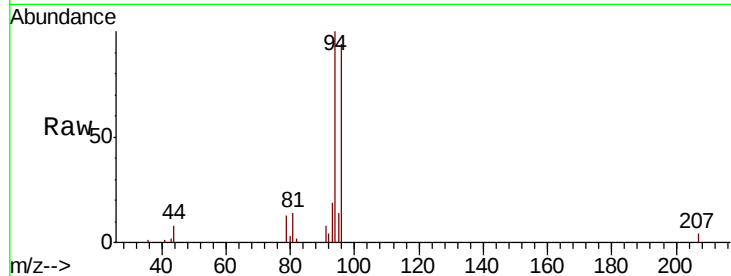
ClientSampled :

Tot Ion: 94 Resp: 23088

Ion Ratio Lower Upper

94 100

96 93.6 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN060649.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN060649.D (-145) (-)

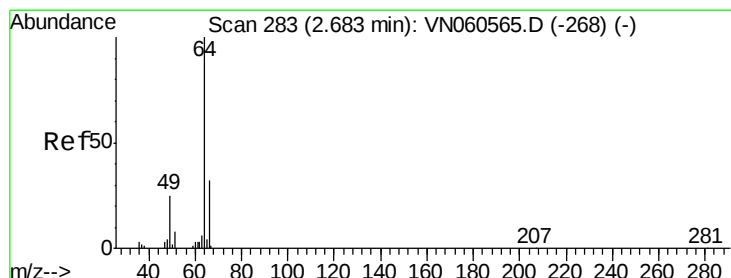
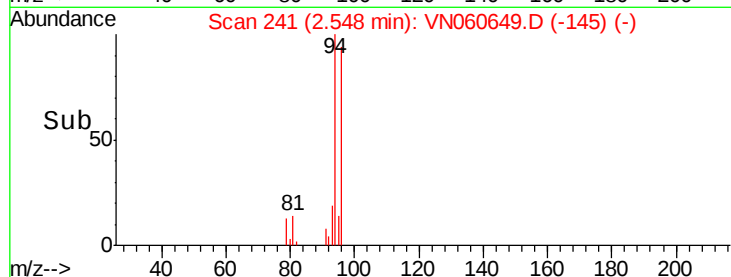
2.55

10000

5000

0

Time-->



#6

Chloroethane

Concen: 18.629 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060649.D

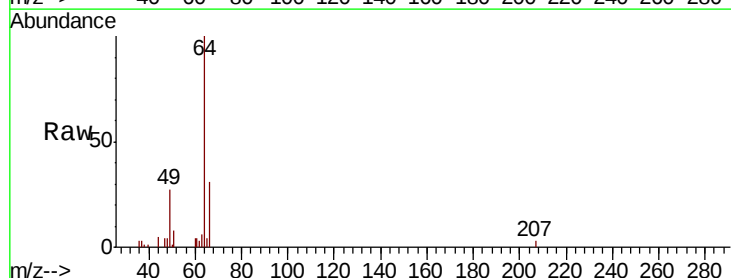
Acq: 20 Mar 2020 13:55

Tgt Ion: 64 Resp: 28412

Ion Ratio Lower Upper

64 100

66 31.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN060649.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060649.D (-190) (-)

2.69

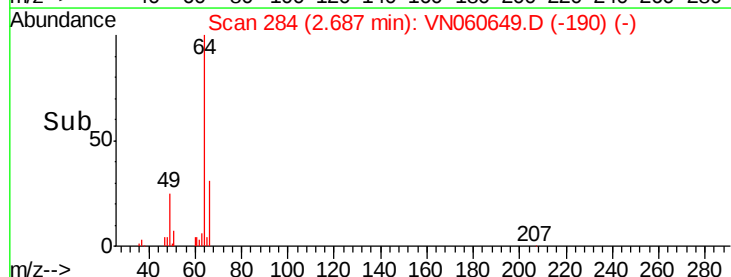
15000

10000

5000

0

Time-->



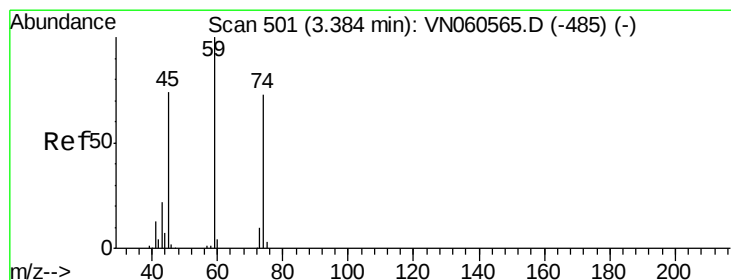
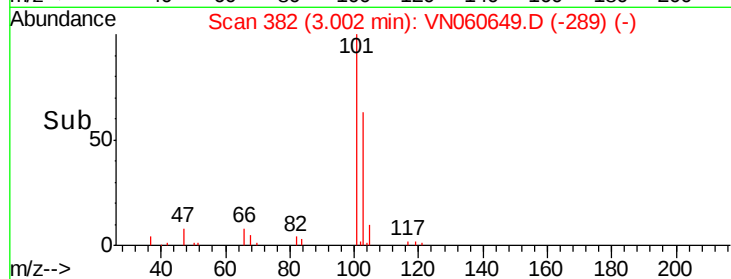
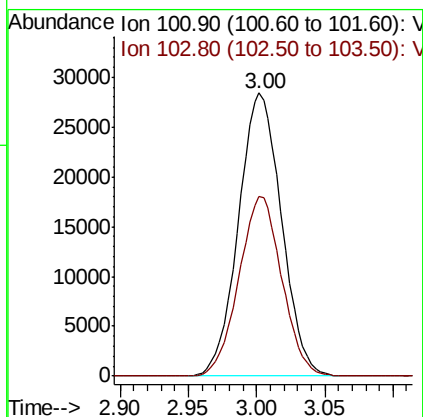
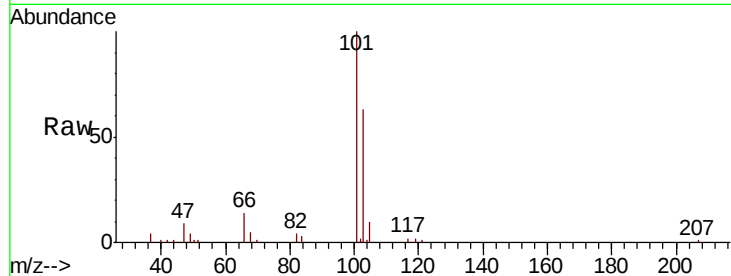


#7

Trichlorofluoromethane
 Concen: 19.074 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Instrument :
 MSVOA_N
 ClientSampled :

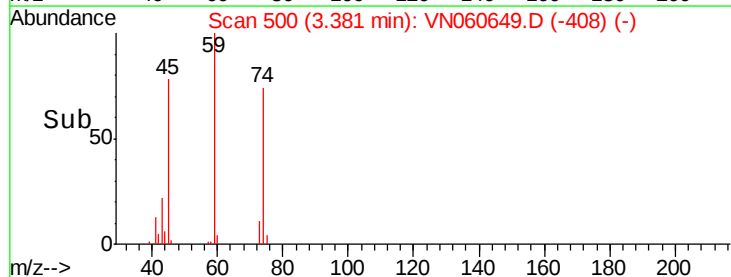
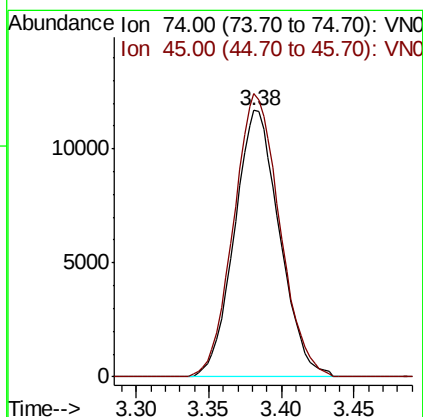
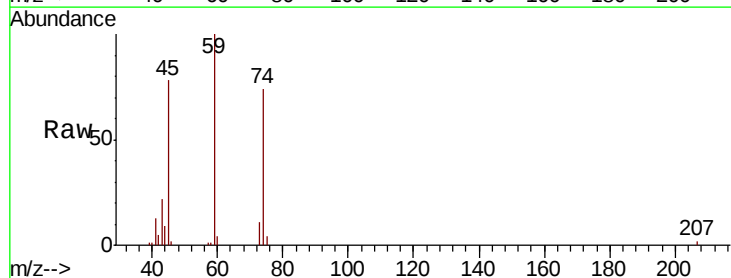
Tot Ion:101 Resp: 62208
 Ion Ratio Lower Upper
 101 100
 103 63.4 50.6 76.0



#8

Diethyl Ether
 Concen: 19.274 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Tgt Ion: 74 Resp: 25253
 Ion Ratio Lower Upper
 74 100
 45 108.5 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.388 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

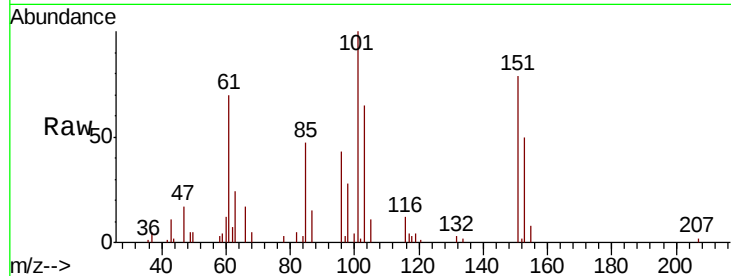
Tot Ion:101 Resp: 36640

Ion Ratio Lower Upper

101 100

85 45.0 35.6 53.4

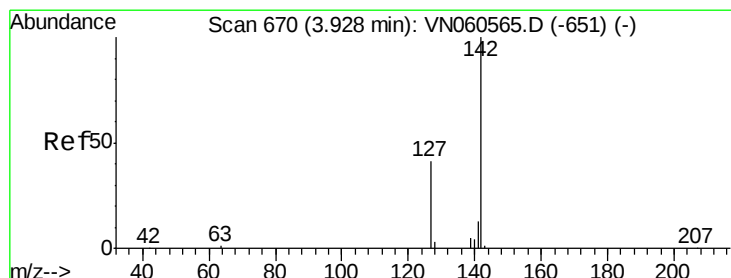
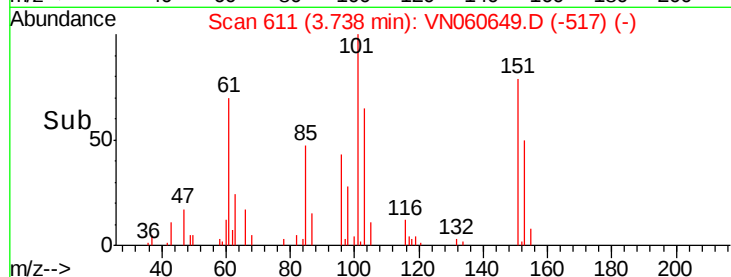
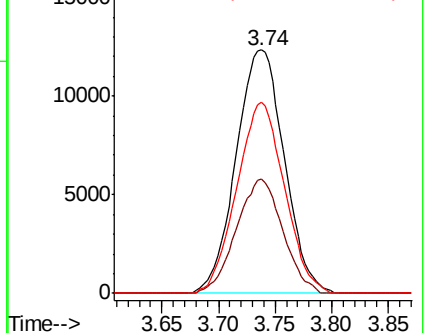
151 77.4 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.876 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

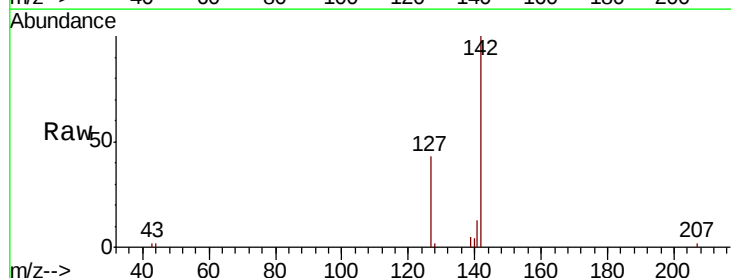
Tgt Ion:142 Resp: 33425

Ion Ratio Lower Upper

142 100

127 42.1 33.5 50.3

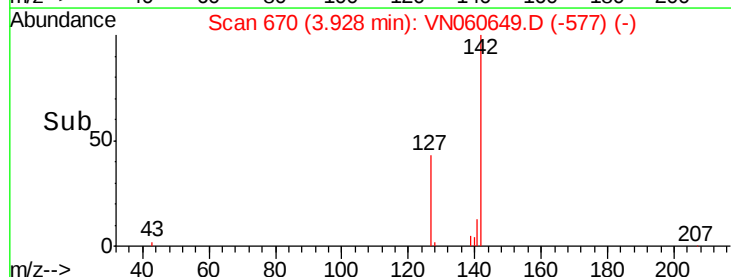
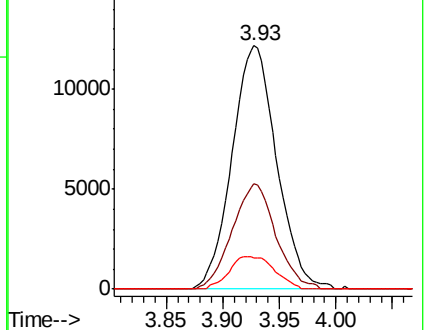
141 13.6 11.0 16.6

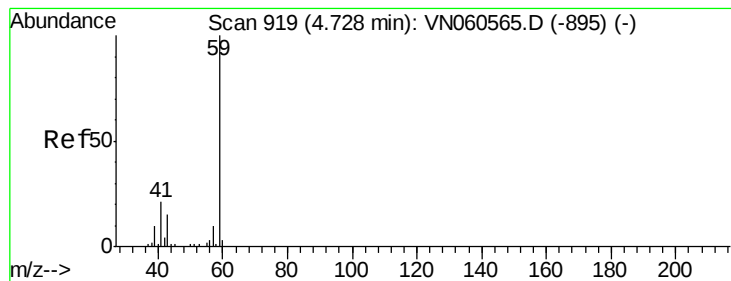


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



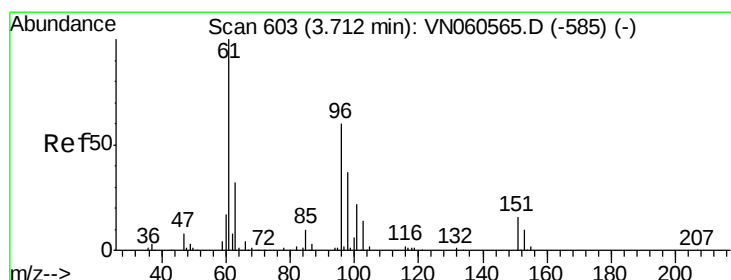
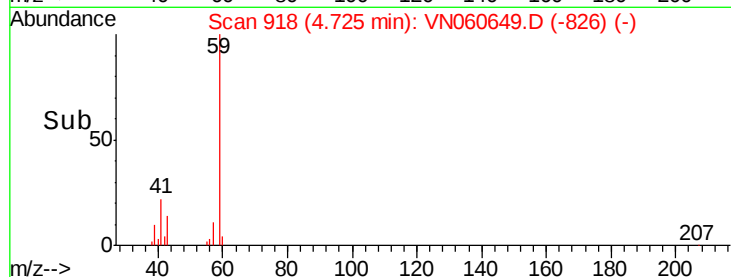
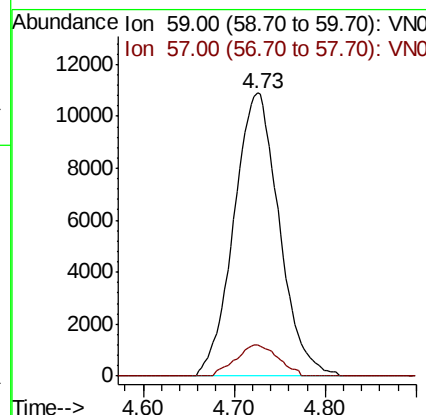
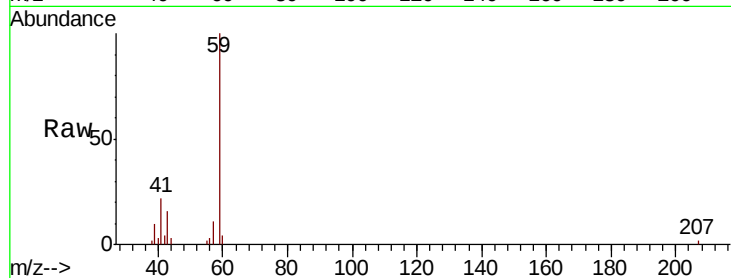


#11

Tert butyl alcohol
 Concen: 99.616 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Instrument :
 MSVOA_N
 ClientSampled :

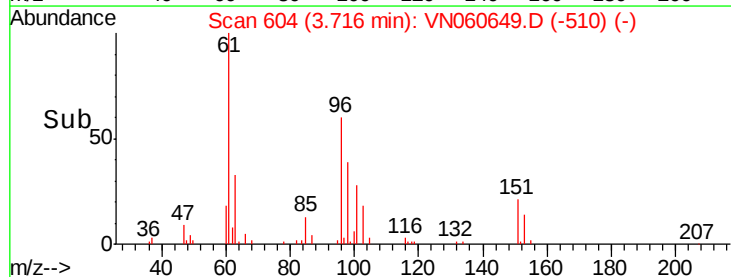
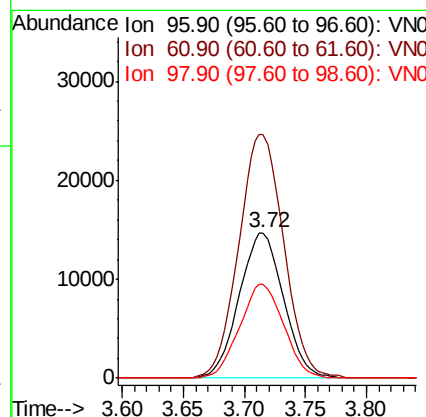
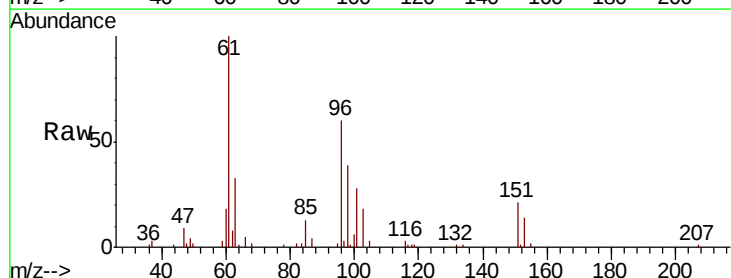
Tot Ion: 59 Resp: 37672
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.4

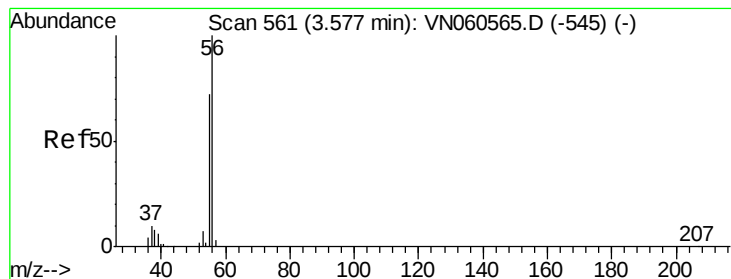


#12

1,1-Dichloroethene
 Concen: 18.201 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Tgt Ion: 96 Resp: 36912
 Ion Ratio Lower Upper
 96 100
 61 167.4 134.1 201.1
 98 64.5 49.9 74.9





#13

Acrolein

Concen: 73.088 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

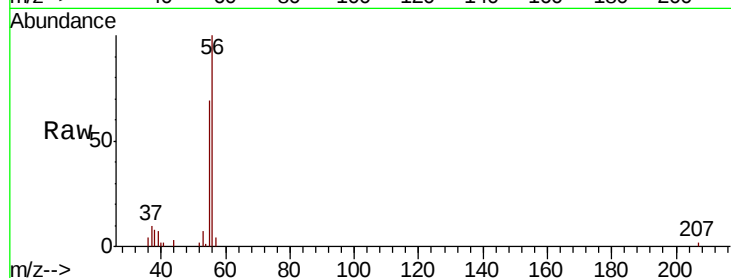
ClientSampled :

Tot Ion: 56 Resp: 30633

Ion Ratio Lower Upper

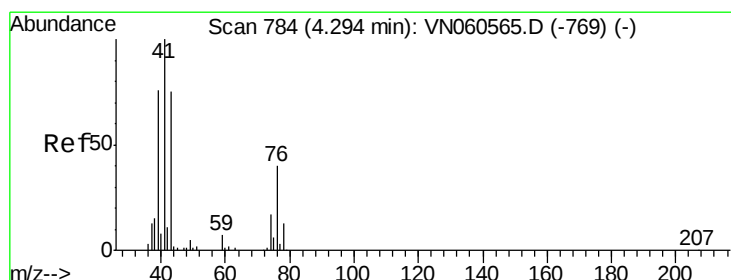
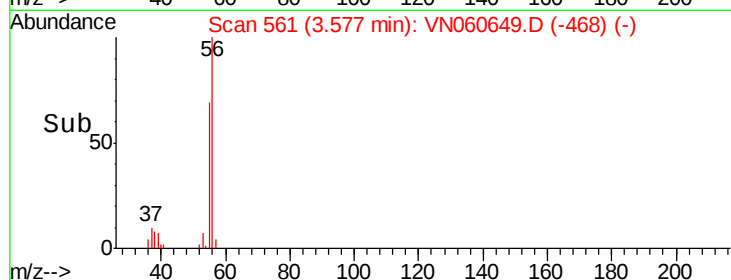
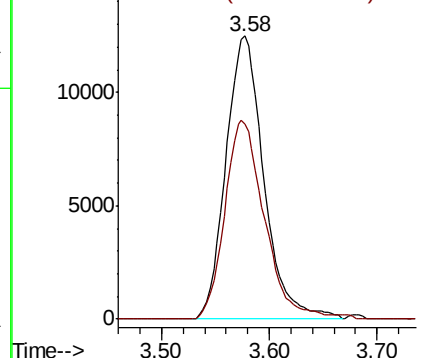
56 100

55 72.7 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.515 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

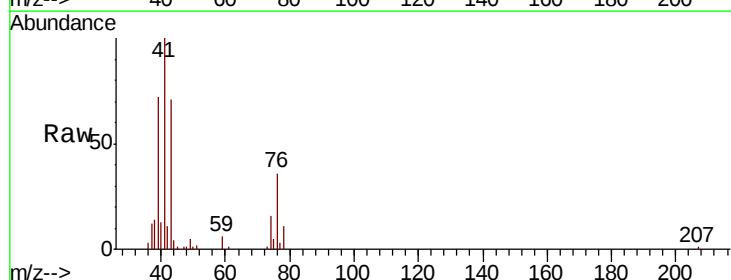
Tgt Ion: 41 Resp: 66040

Ion Ratio Lower Upper

41 100

39 72.7 57.8 86.8

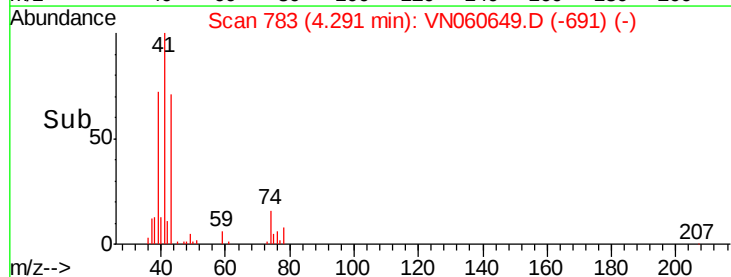
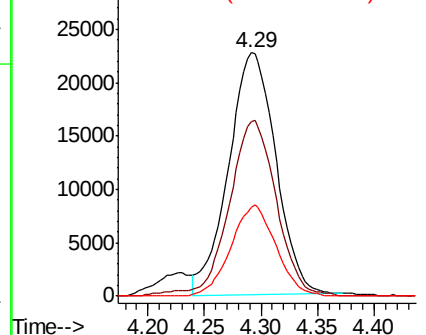
76 35.7 28.6 43.0

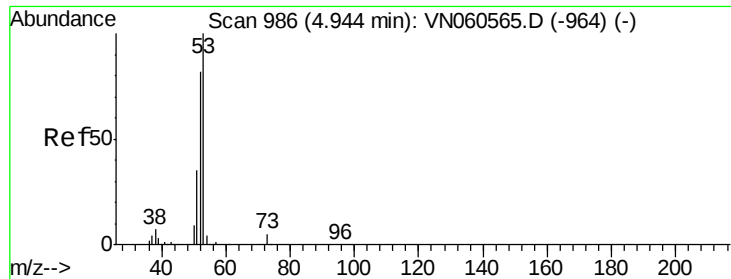


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 98.893 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampled :

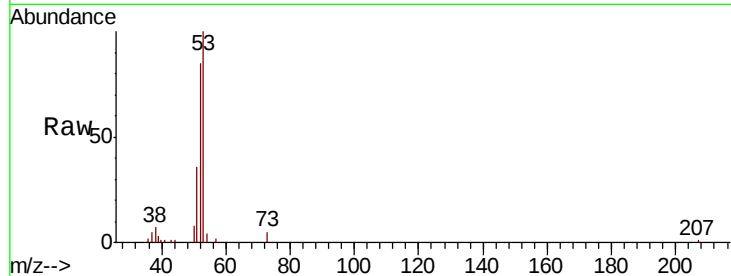
Tot Ion: 53 Resp: 109974

Ion Ratio Lower Upper

53 100

52 81.4 66.2 99.4

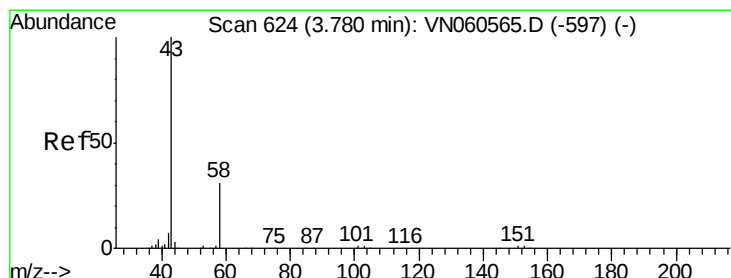
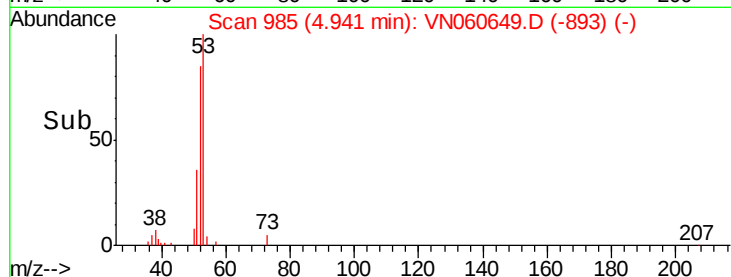
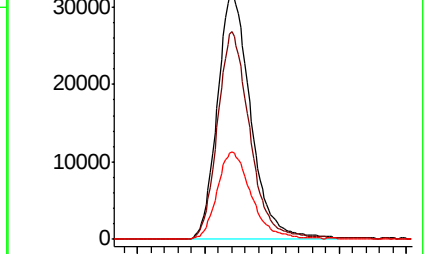
51 36.4 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VN060649.D (-893) (-)

Ion 52.00 (51.70 to 52.70): VN060649.D (-893) (-)

Ion 51.00 (50.70 to 51.70): VN060649.D (-893) (-)



#16

Acetone

Concen: 101.548 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060649.D

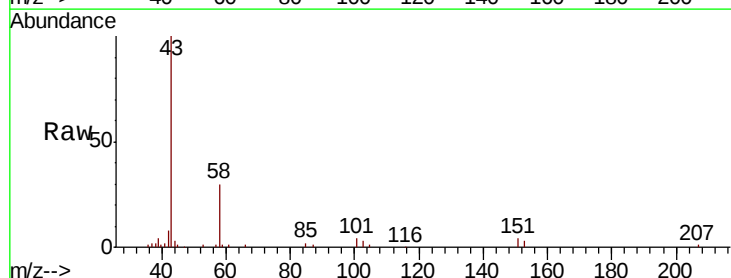
Acq: 20 Mar 2020 13:55

Tgt Ion: 43 Resp: 92494

Ion Ratio Lower Upper

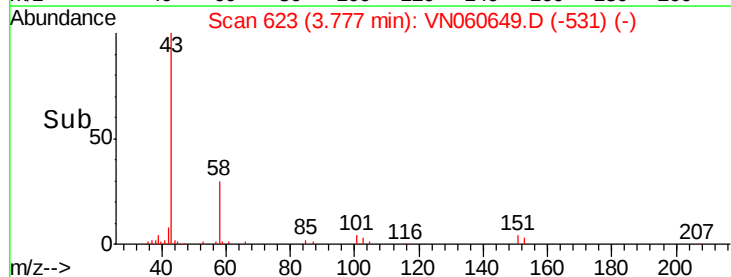
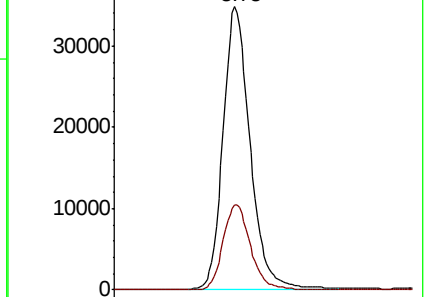
43 100

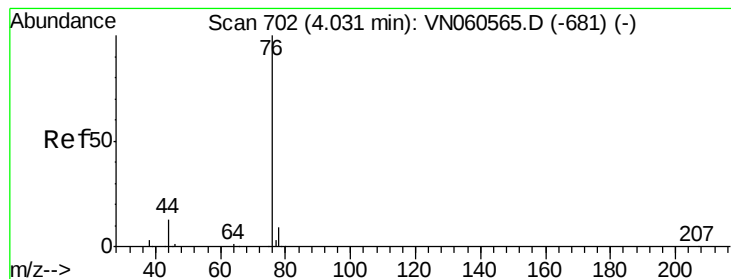
58 29.9 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060649.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060649.D (-531) (-)





#17

Carbon Disulfide

Concen: 18.215 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

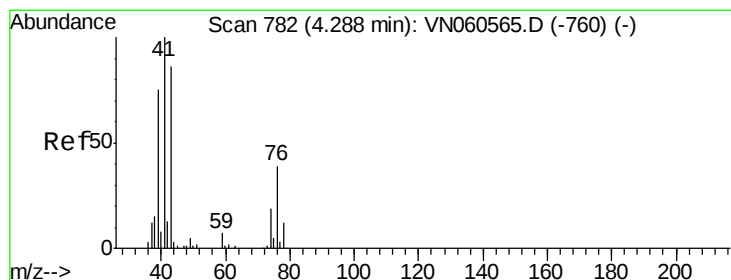
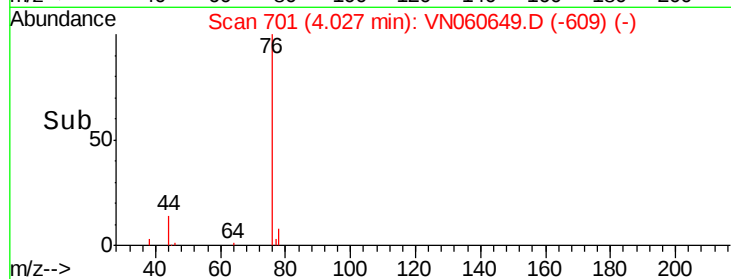
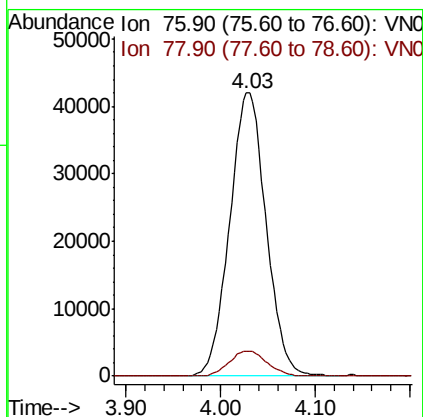
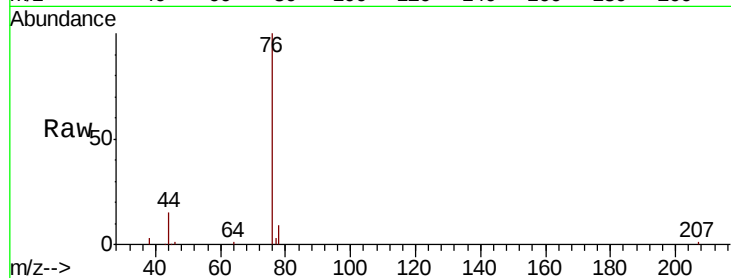
ClientSampled :

Tot Ion: 76 Resp: 112347

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



#18

Methyl Acetate

Concen: 19.719 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060649.D

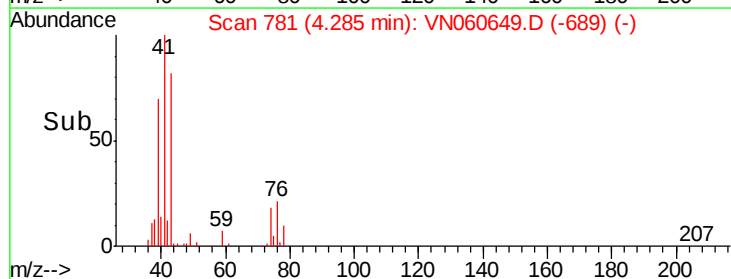
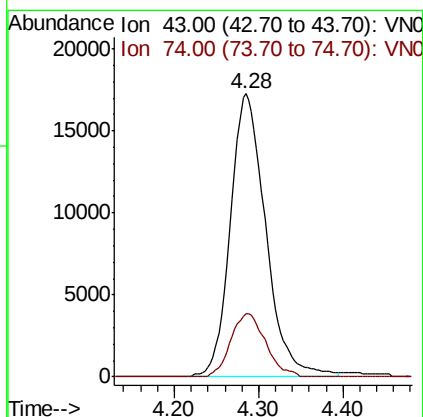
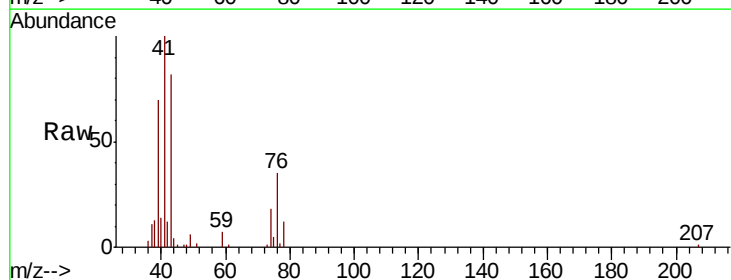
Acq: 20 Mar 2020 13:55

Tgt Ion: 43 Resp: 50555

Ion Ratio Lower Upper

43 100

74 22.0 17.5 26.3

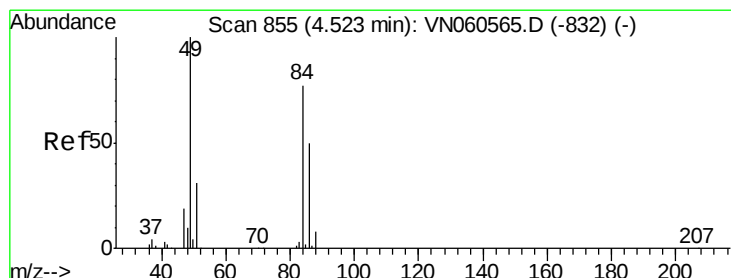
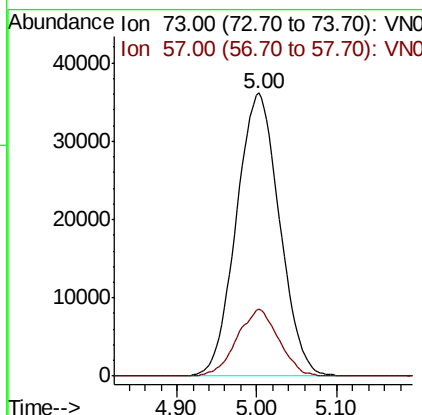
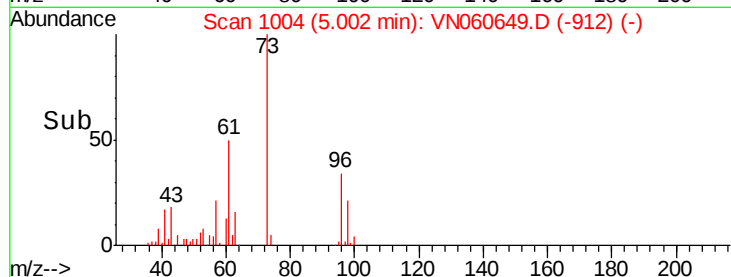
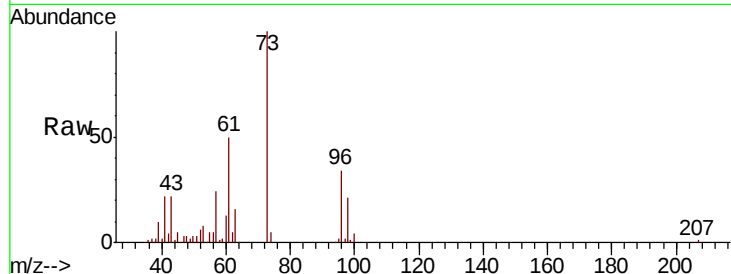




#19
Methyl tert-butyl Ether
Concen: 19.042 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

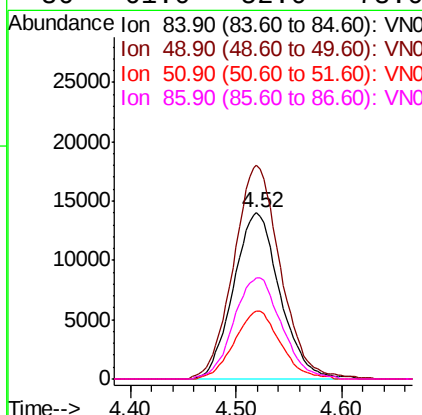
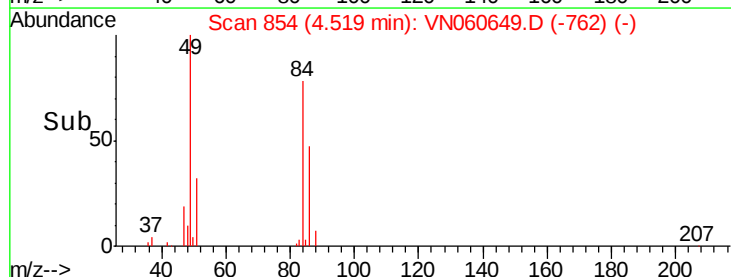
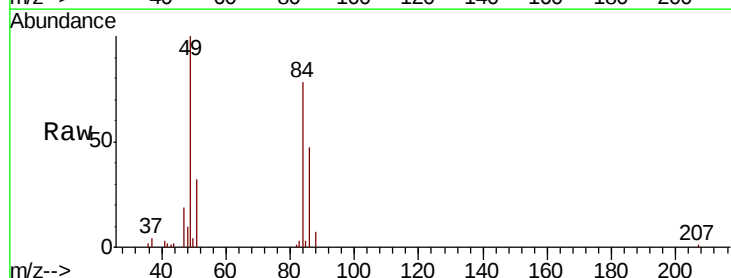
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 132770
Ion Ratio Lower Upper
73 100
57 23.5 17.5 26.3



#20
Methylene Chloride
Concen: 19.098 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion: 84 Resp: 42792
Ion Ratio Lower Upper
84 100
49 128.8 103.3 154.9
51 41.1 31.6 47.4
86 61.0 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.712 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampled :

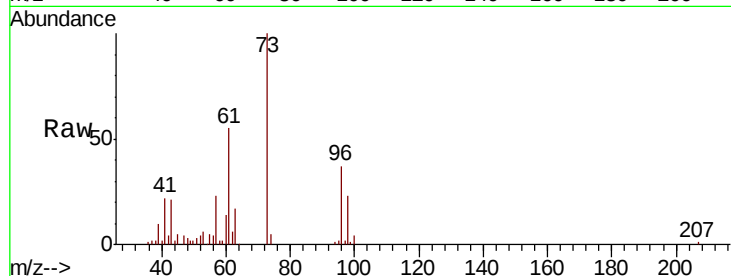
Tot Ion: 96 Resp: 40444

Ion Ratio Lower Upper

96 100

61 146.8 114.4 171.6

98 62.2 48.4 72.6

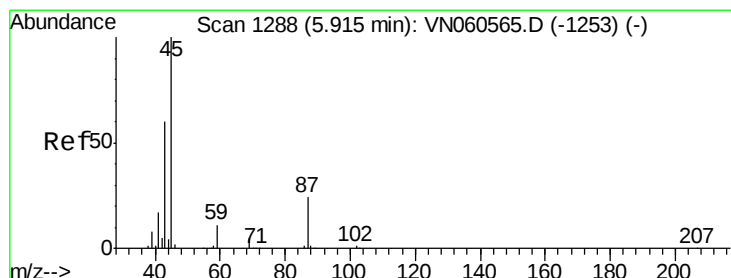
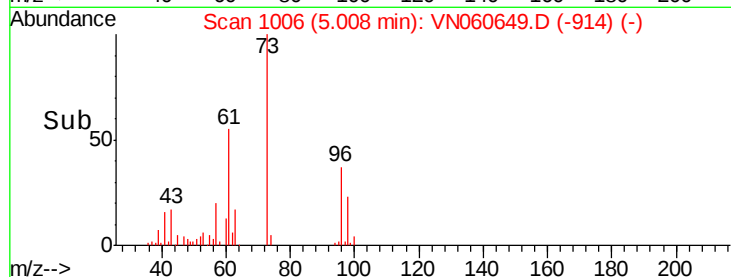
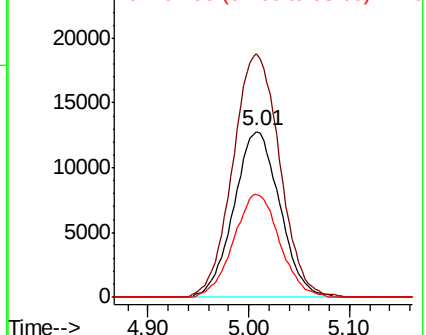


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.642 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Tgt Ion: 45 Resp: 148019

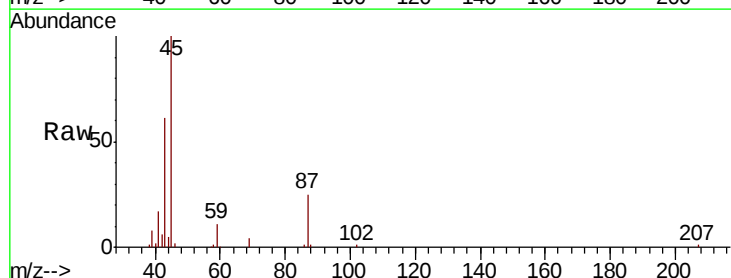
Ion Ratio Lower Upper

45 100

43 59.1 49.8 74.8

87 25.2 20.1 30.1

59 11.4 9.2 13.8



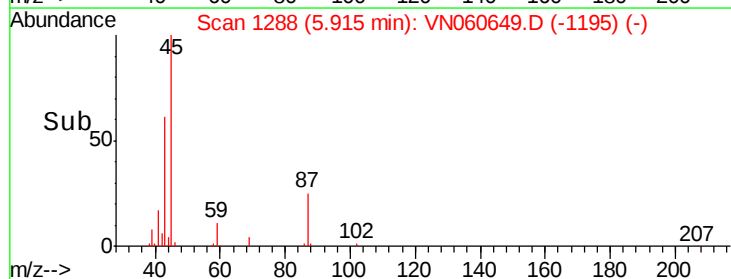
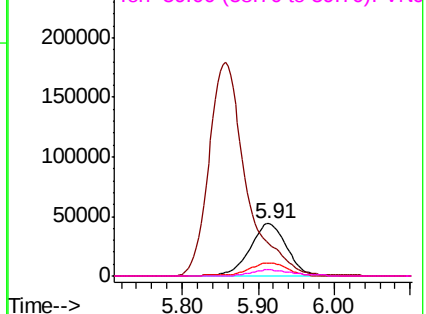
Abundance

Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 99.066 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

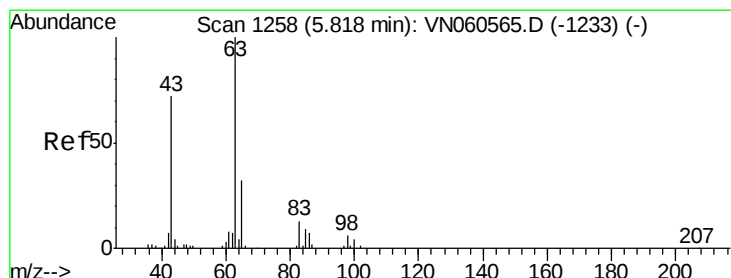
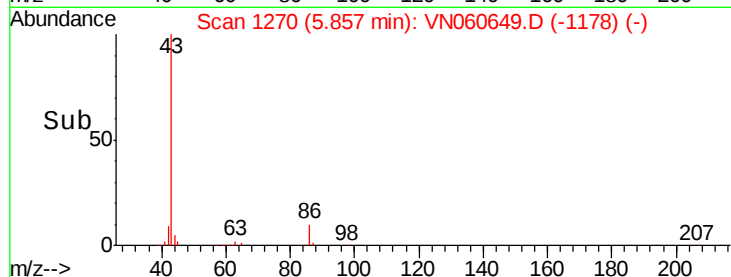
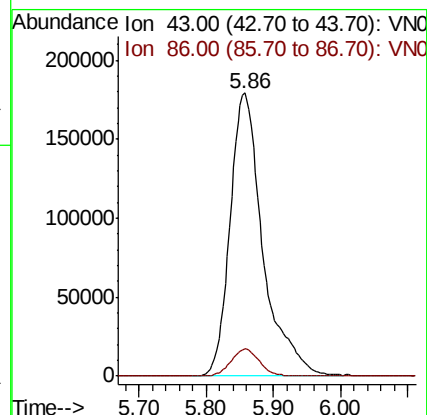
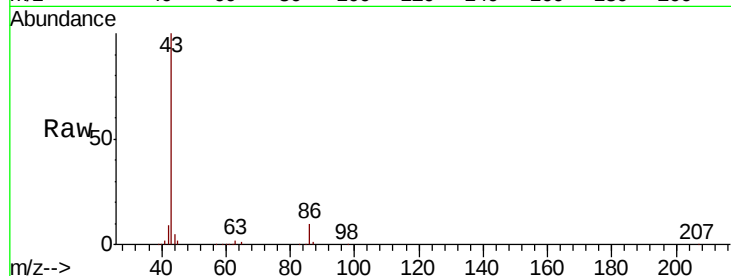
ClientSampleId :

Tot Ion: 43 Resp: 609107

Ion Ratio Lower Upper

43 100

86 9.5 7.6 11.4



#24

1,1-Dichloroethane

Concen: 19.405 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

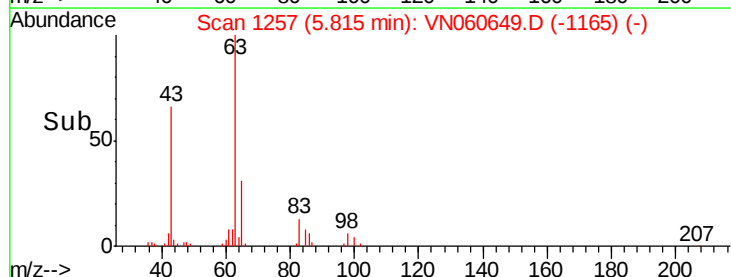
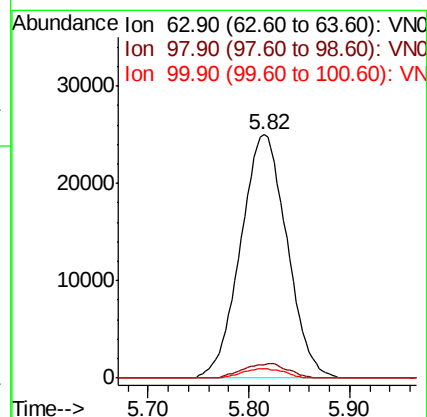
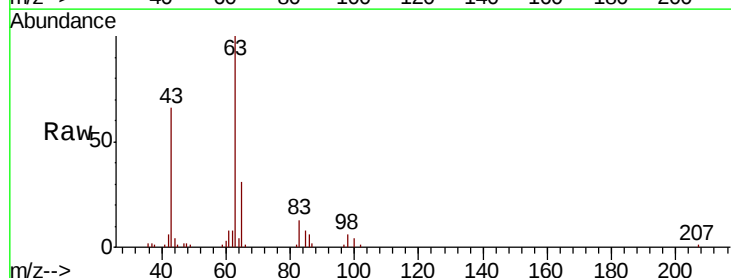
Tgt Ion: 63 Resp: 79719

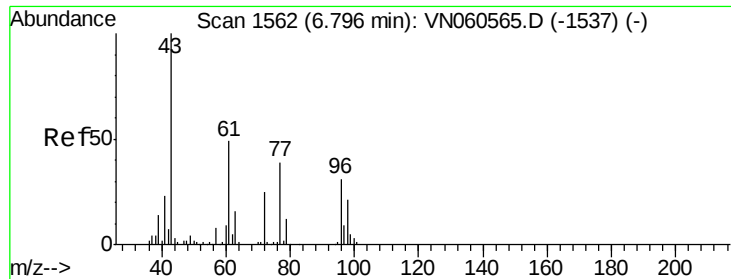
Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.7

100 3.9 1.8 5.5

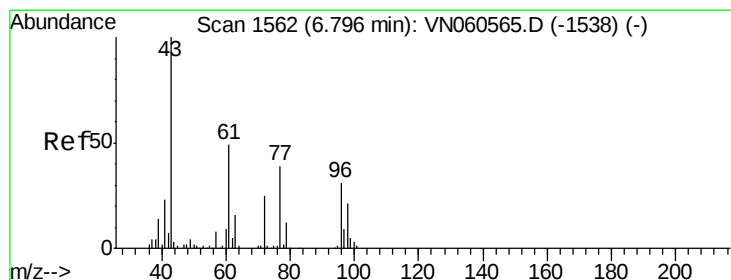
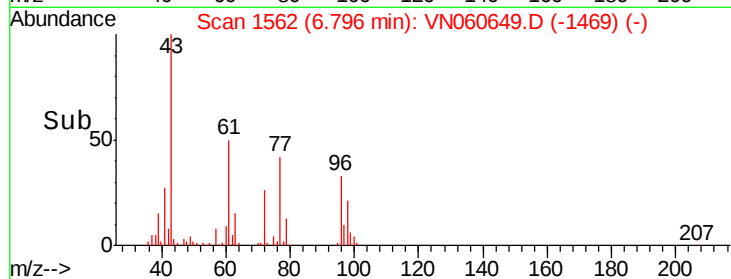
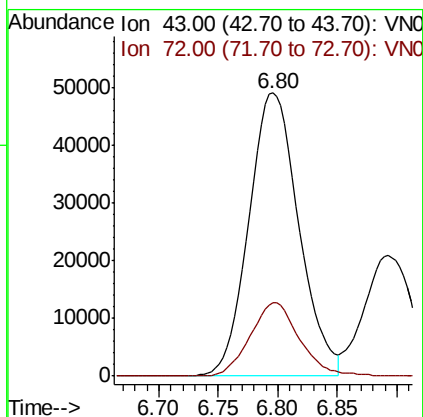
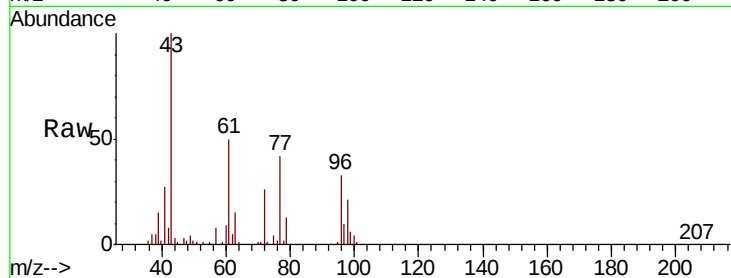




#25
2-Butanone
Concen: 96.846 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

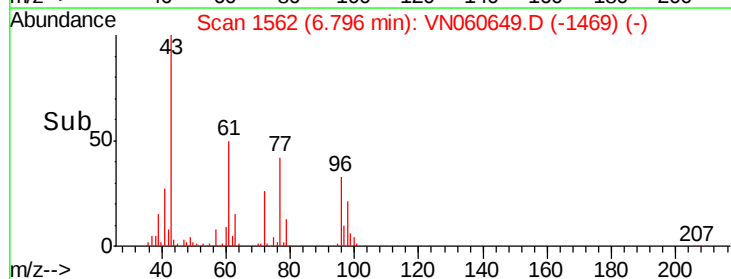
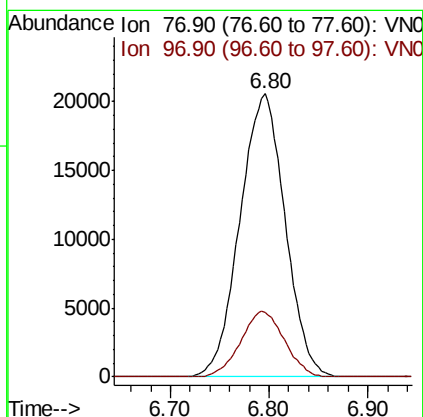
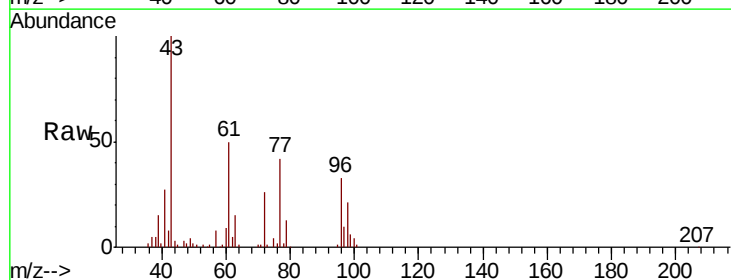
Instrument :
MSVOA_N
ClientSampled :

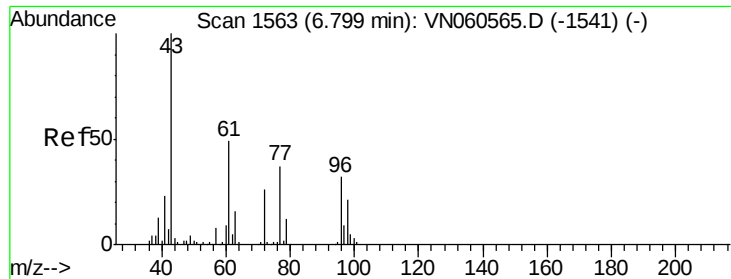
Tot Ion: 43 Resp: 142741
Ion Ratio Lower Upper
43 100
72 25.8 20.4 30.6



#26
2,2-Dichloropropane
Concen: 20.175 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion: 77 Resp: 65210
Ion Ratio Lower Upper
77 100
97 22.5 11.4 34.1

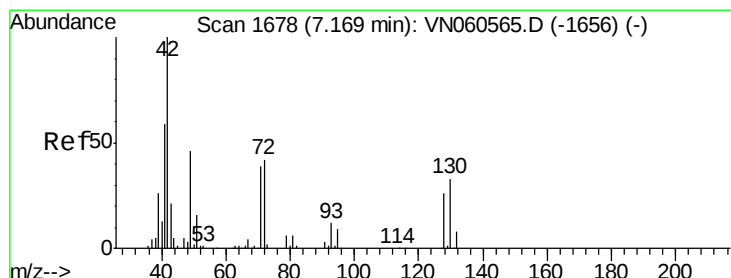
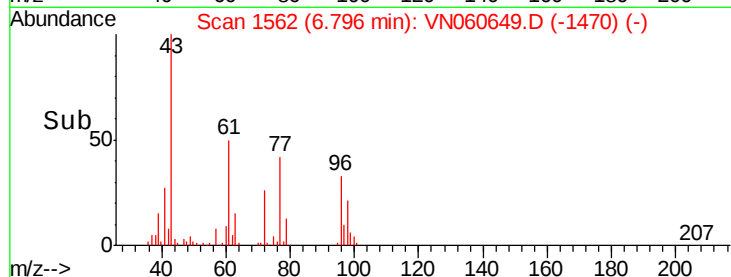
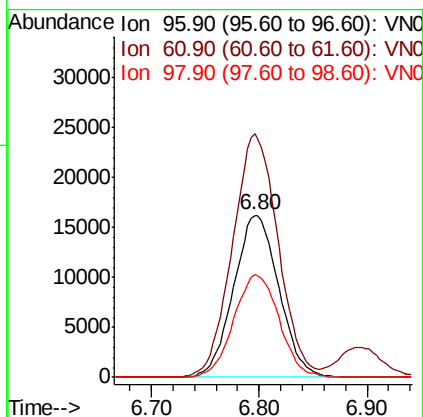
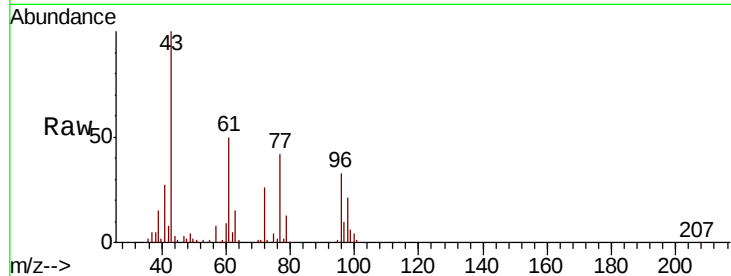




#27
 cis-1,2-Dichloroethene
 Concen: 19.201 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

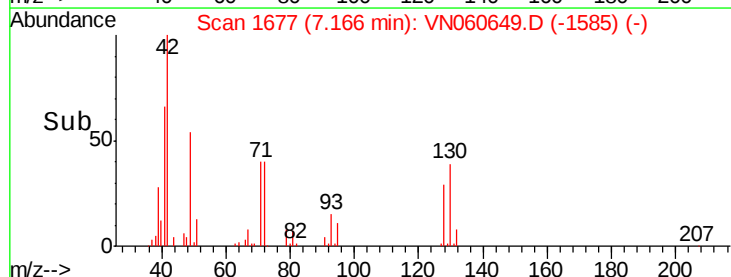
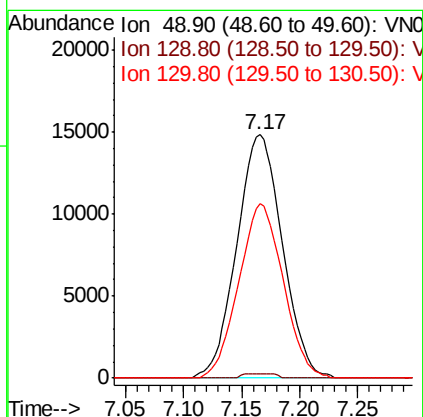
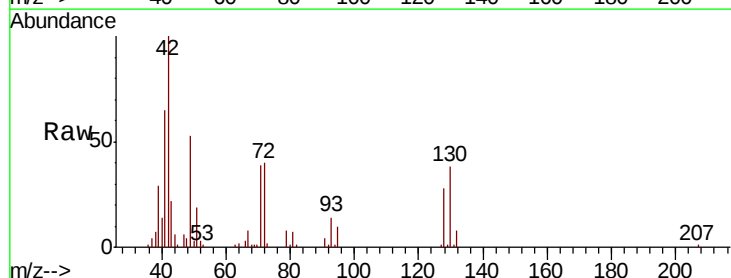
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 96 Resp: 47162
 Ion Ratio Lower Upper
 96 100
 61 152.0 0.0 305.6
 98 63.5 0.0 127.6



#28
 Bromochloromethane
 Concen: 20.646 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Tgt Ion: 49 Resp: 40580
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 3.4
 130 69.7 55.0 82.4

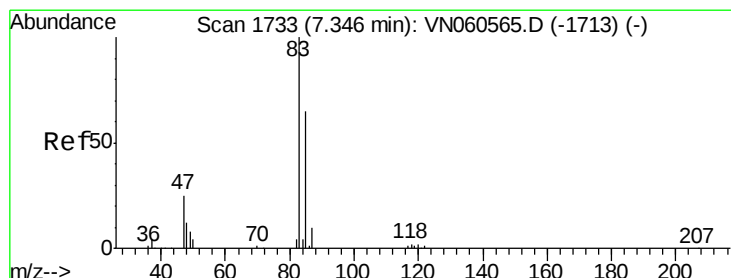
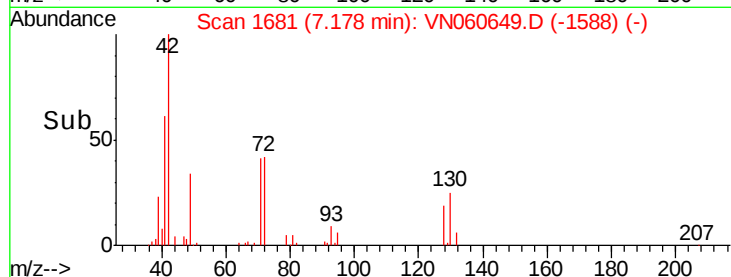
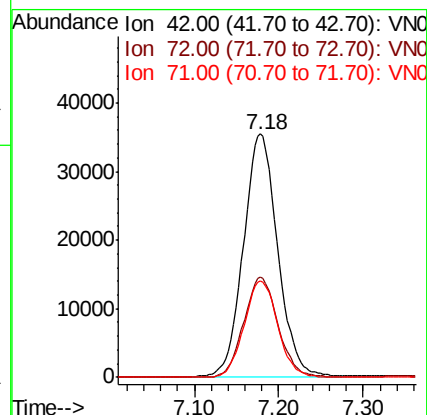
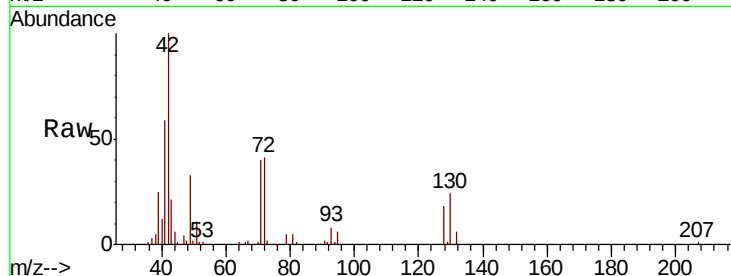




#29
Tetrahydrofuran
Concen: 96.584 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

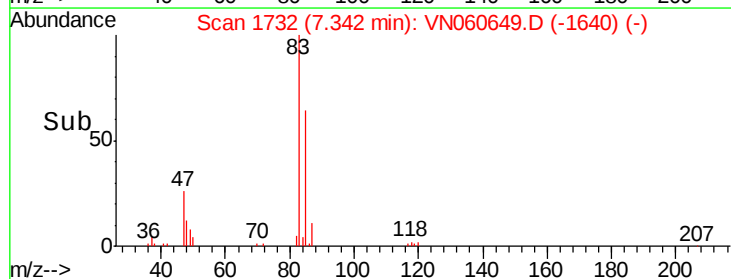
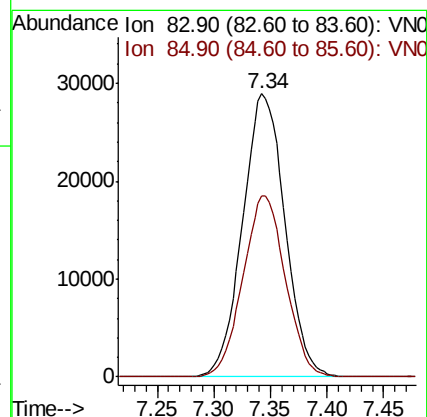
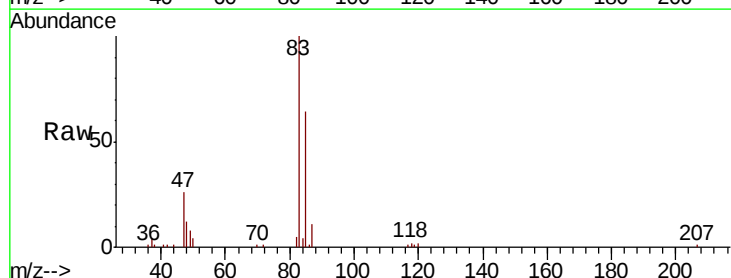
Instrument :
MSVOA_N
ClientSampled :

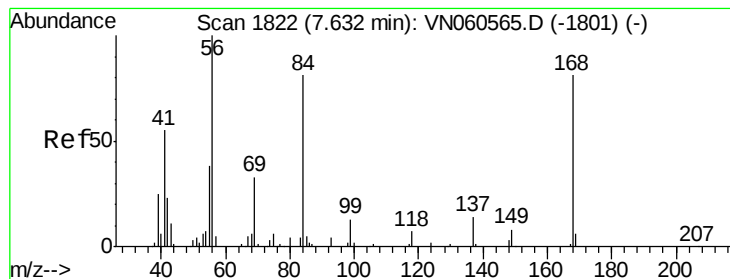
Tot Ion: 42 Resp: 100722
Ion Ratio Lower Upper
42 100
72 40.6 33.2 49.8
71 38.4 31.1 46.7



#30
Chloroform
Concen: 19.100 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion: 83 Resp: 75222
Ion Ratio Lower Upper
83 100
85 63.9 51.8 77.8





#31

Cyclohexane

Concen: 18.467 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampled :

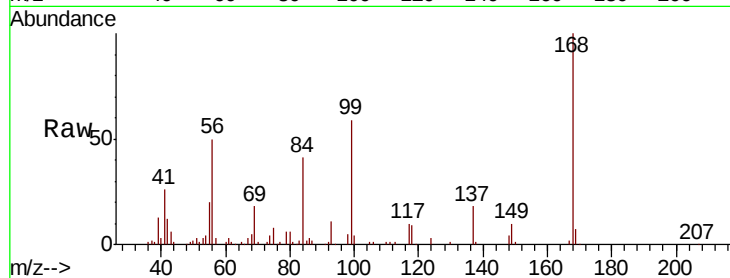
Tot Ion: 56 Resp: 76481

Ion Ratio Lower Upper

56 100

69 36.9 26.6 40.0

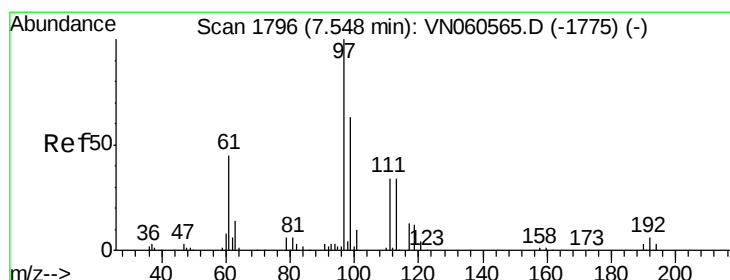
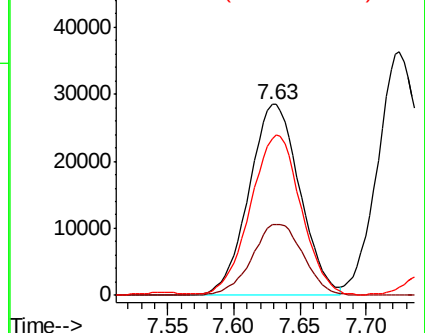
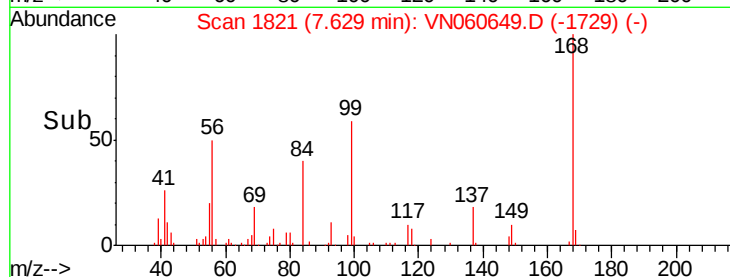
84 81.5 64.3 96.5



Abundance Ion 56.00 (55.70 to 56.70): VN060649.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060649.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060649.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 18.925 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

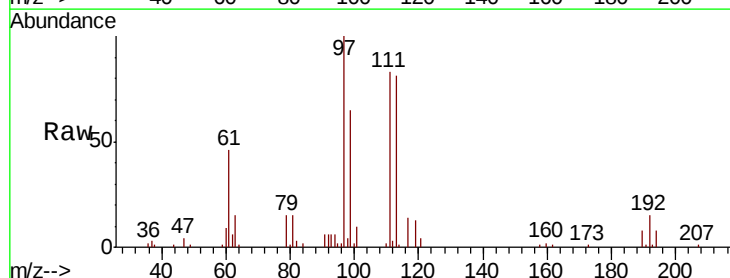
Tgt Ion: 97 Resp: 64250

Ion Ratio Lower Upper

97 100

99 65.8 50.6 75.8

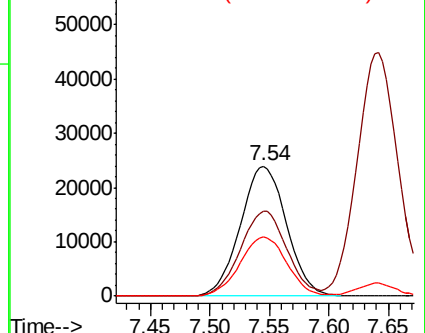
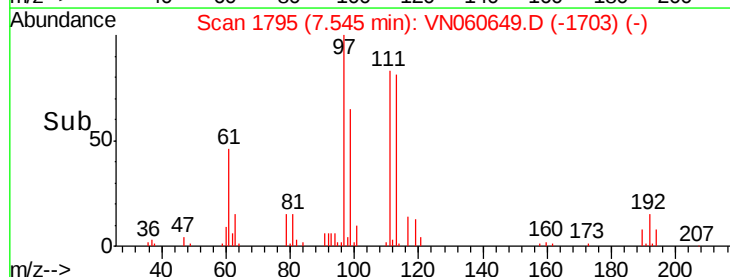
61 46.3 36.2 54.4

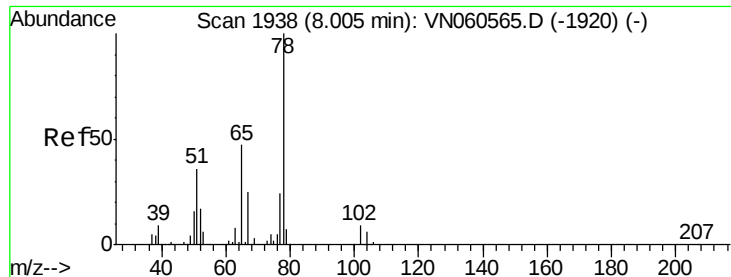


Abundance Ion 96.90 (96.60 to 97.60): VN060649.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060649.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060649.D (-1703) (-)





#33

1,2-Dichloroethane-d4

Concen: 49.743 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

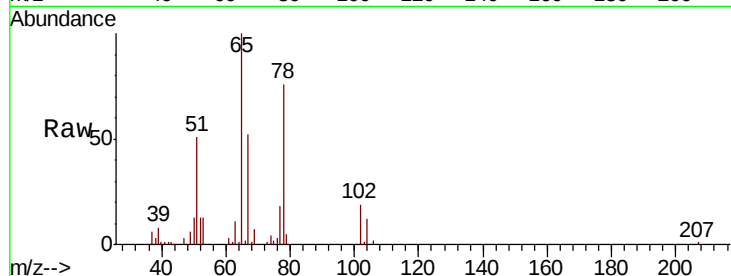
ClientSampleId :

Tot Ion: 65 Resp: 127908

Ion Ratio Lower Upper

65 100

67 52.9 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN060565.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060565.D (-1920) (-)

8.00

60000

50000

40000

30000

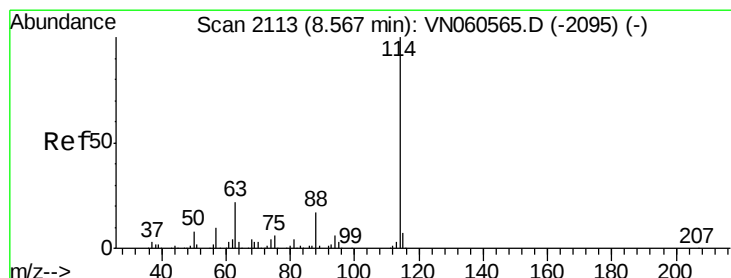
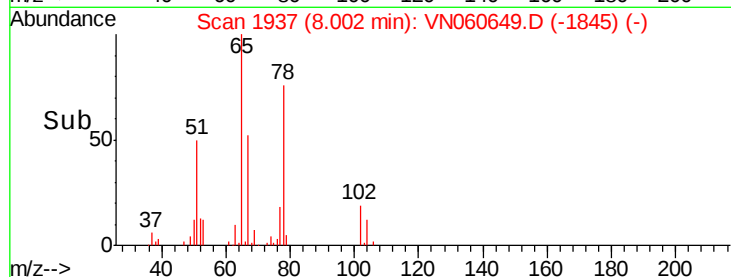
20000

10000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

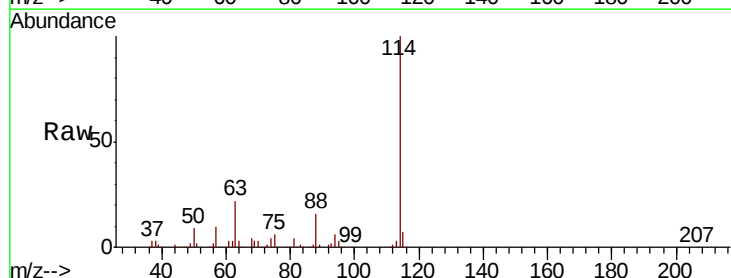
Tgt Ion: 114 Resp: 308783

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.8

88 16.1 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): VN060565.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN060565.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN060565.D (-2095) (-)

200000

150000

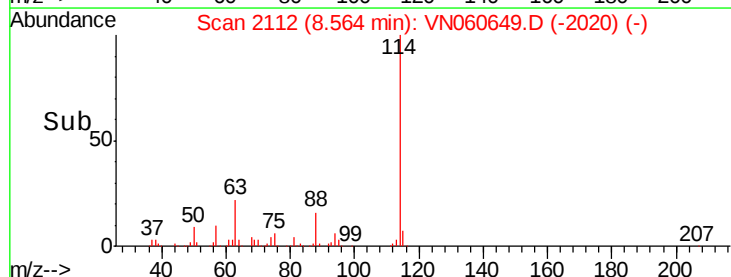
100000

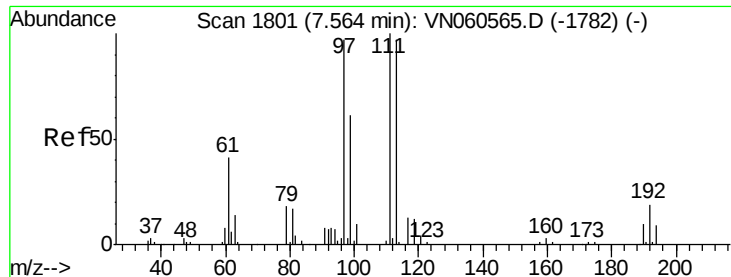
50000

0

8.50 8.56 8.60 8.70

Time-->

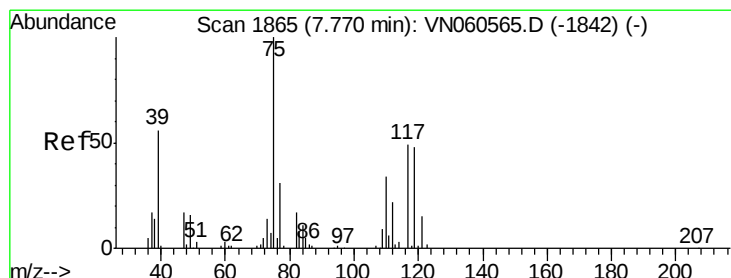
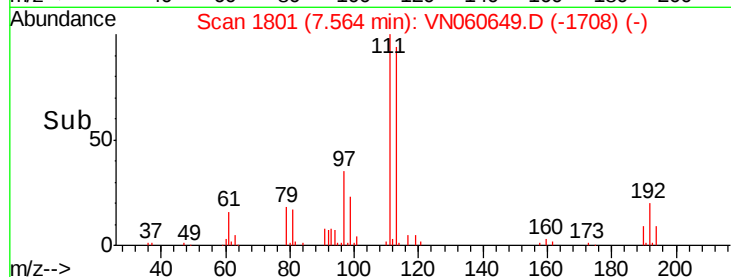
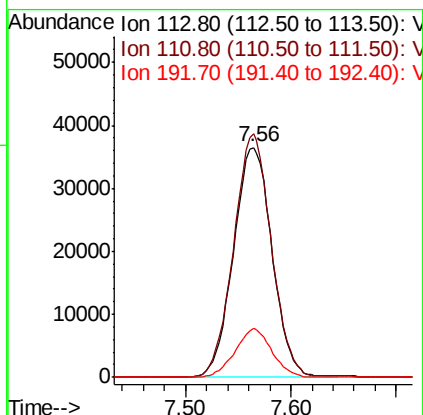
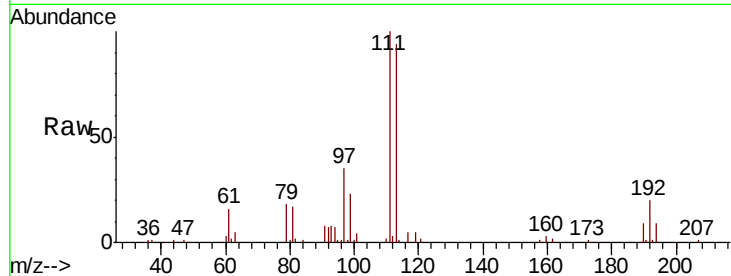




#35
 Dibromofluoromethane
 Concen: 49.746 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

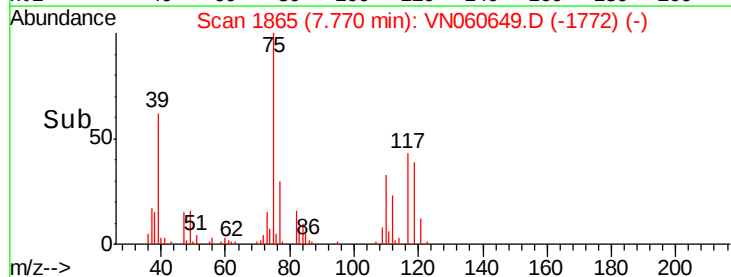
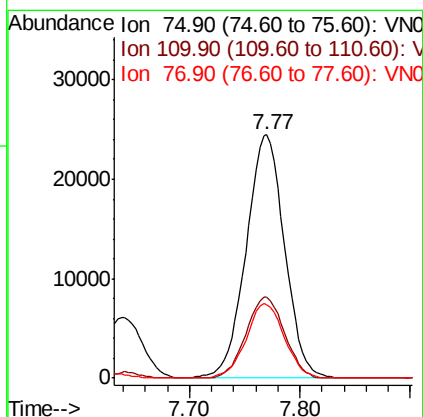
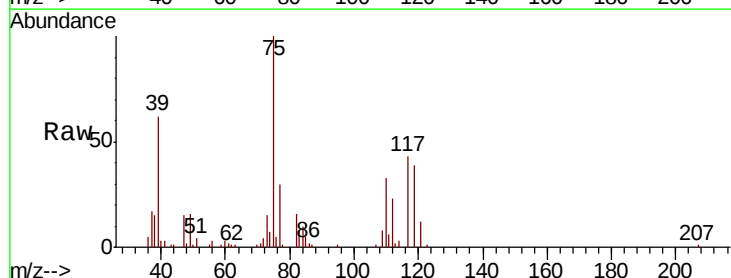
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 92882
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.9 124.3
 192 20.0 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 19.708 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Tgt Ion: 75 Resp: 58926
 Ion Ratio Lower Upper
 75 100
 110 33.4 16.9 50.6
 77 30.4 24.6 36.8

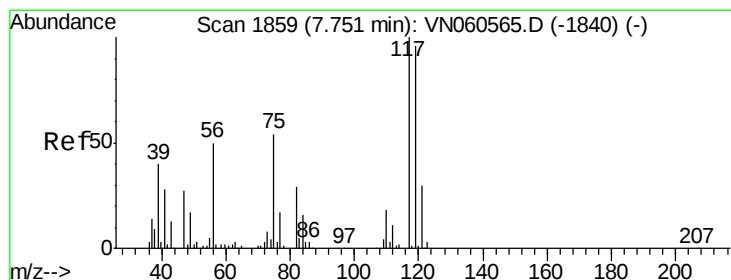
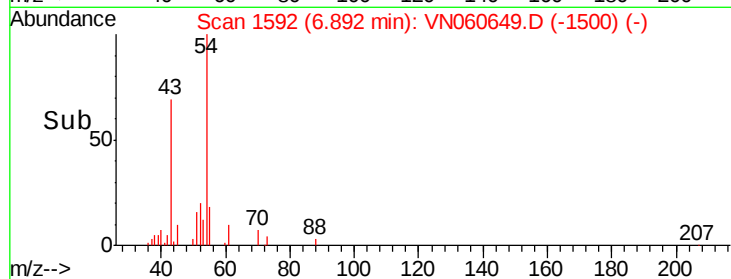
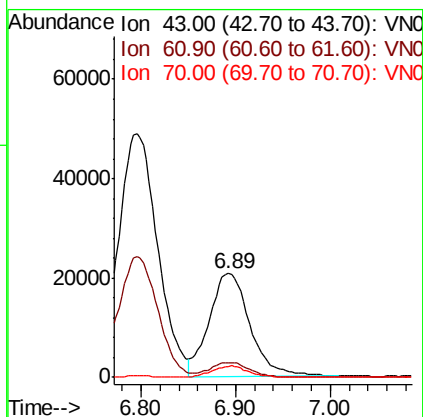
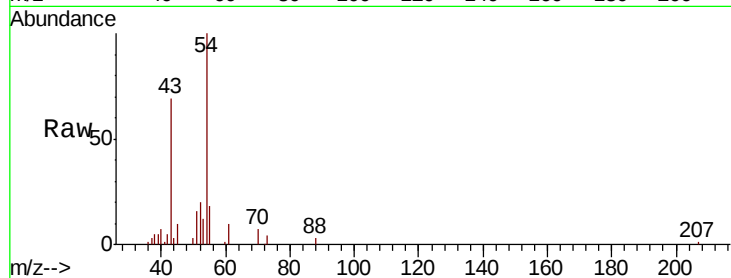




#37
Ethyl Acetate
Concen: 19.303 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

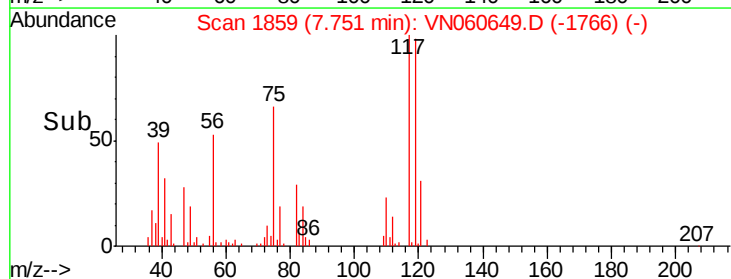
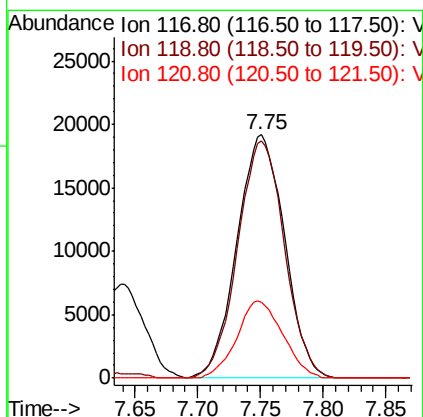
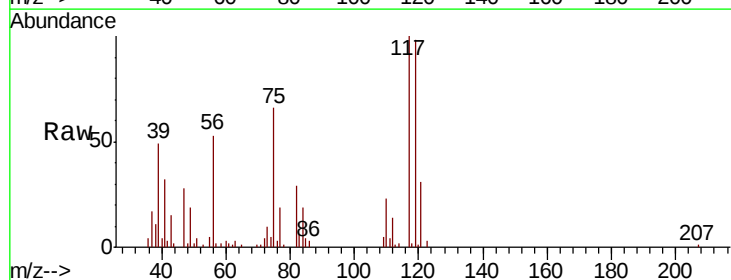
Instrument :
MSVOA_N
ClientSampled :

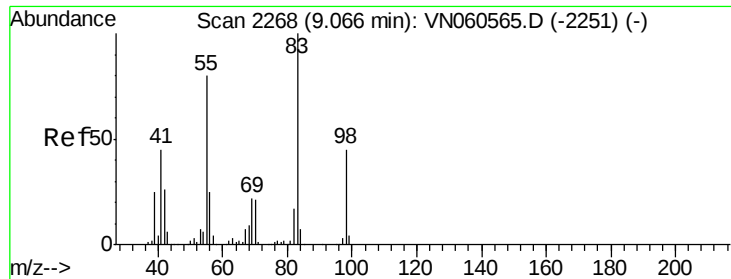
Tot Ion: 43 Resp: 62362
Ion Ratio Lower Upper
43 100
61 13.8 10.6 15.8
70 9.8 7.9 11.9



#38
Carbon Tetrachloride
Concen: 18.868 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion: 117 Resp: 50563
Ion Ratio Lower Upper
117 100
119 97.6 76.2 114.2
121 31.1 23.7 35.5

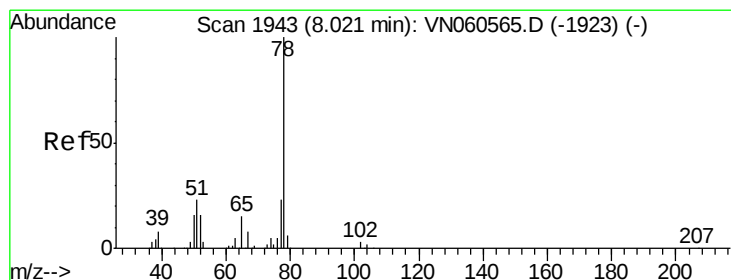
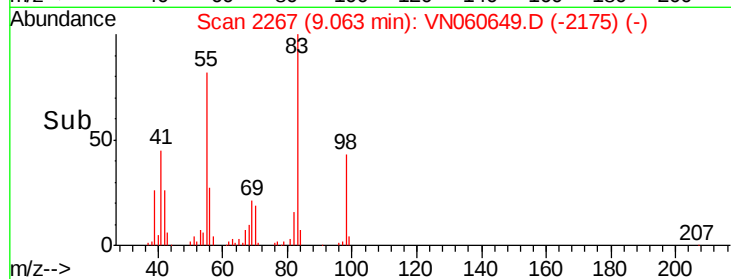
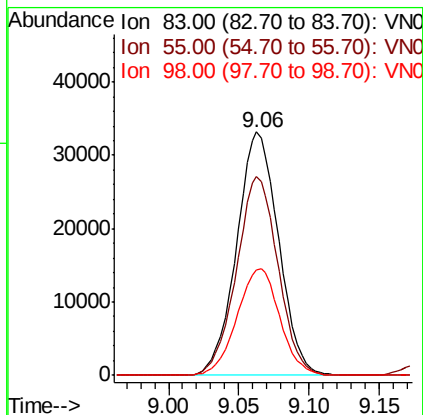
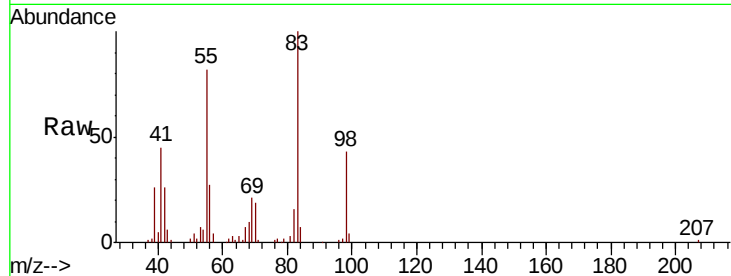




#39
Methvlcvclohexane
Concen: 19.399 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

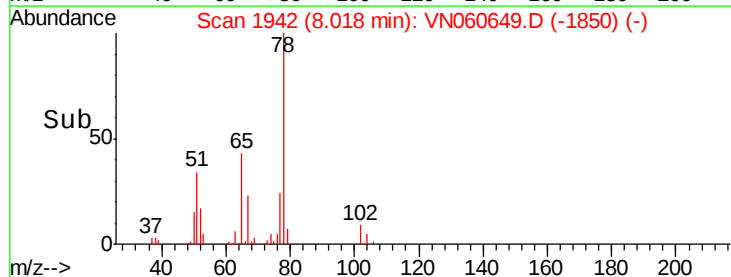
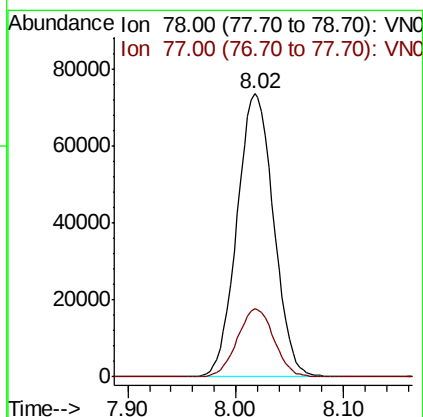
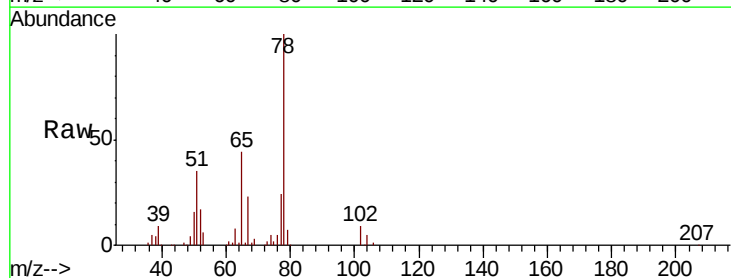
Instrument :
MSVOA_N
ClientSampled :

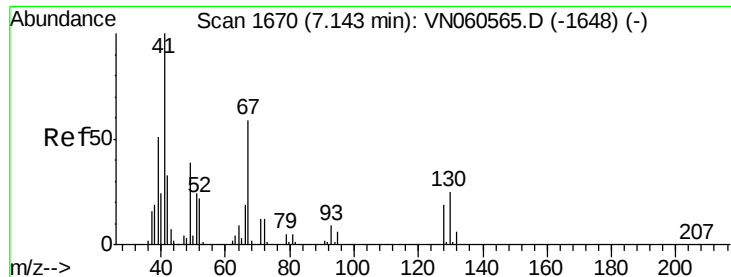
Tot Ion: 83 Resp: 68930
Ion Ratio Lower Upper
83 100
55 81.7 63.6 95.4
98 43.3 36.0 54.0



#40
Benzene
Concen: 19.274 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion: 78 Resp: 173969
Ion Ratio Lower Upper
78 100
77 24.1 18.6 28.0

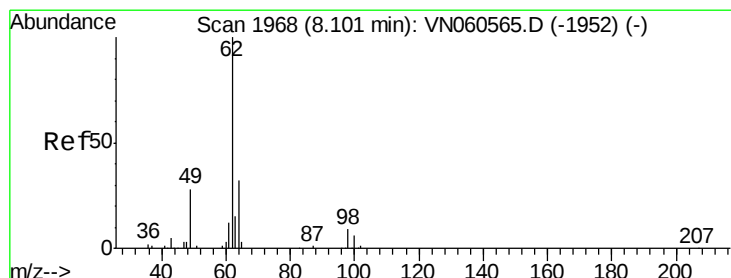
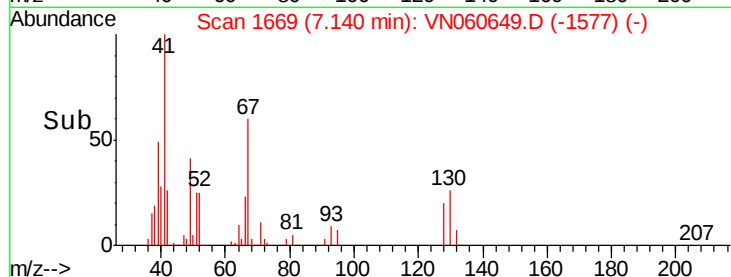
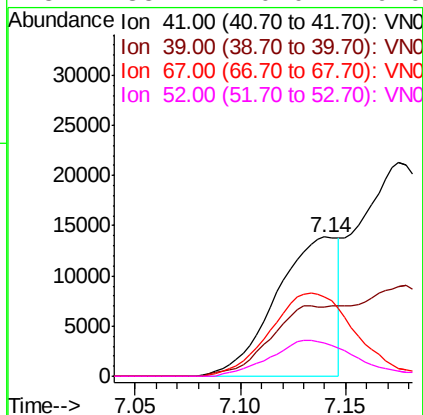
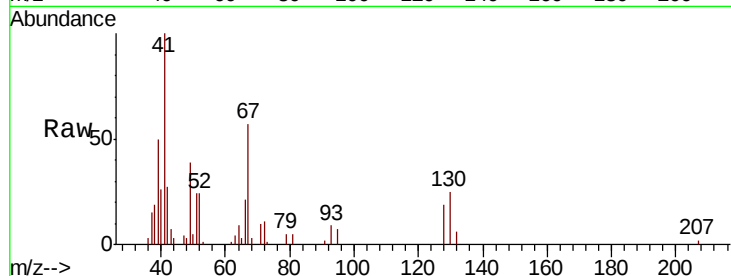




#41
Methacrylonitrile
Concen: 20.609 ug/l
RT: 7.14 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

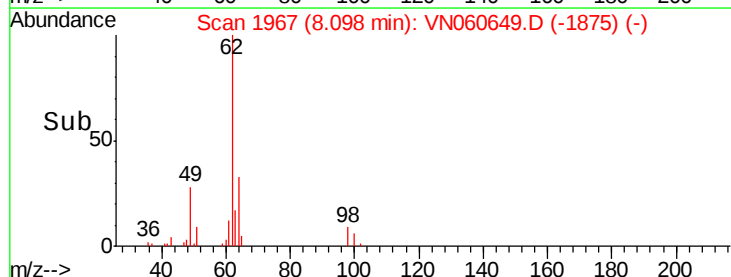
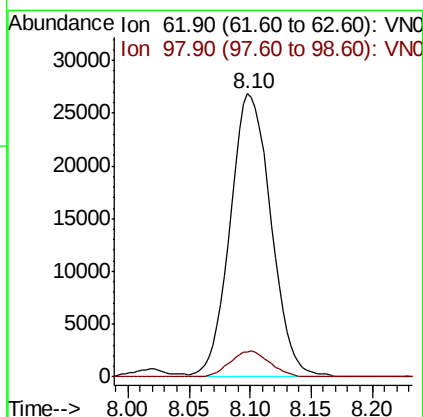
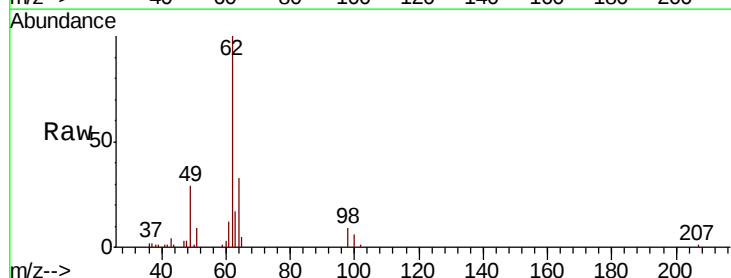
Instrument :
MSVOA_N
ClientSampled :

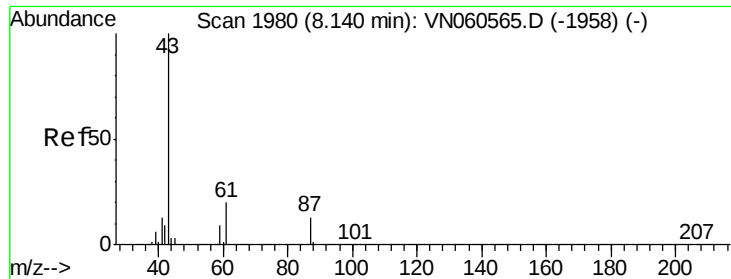
Tot Ion:	41	Resp:	28415
Ion	Ratio	Lower	Upper
41	100		
39	44.1	0.0	0.0#
67	81.8	0.0	0.0#
52	35.1	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 20.198 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion:	62	Resp:	62305
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8





#43

Isopropyl Acetate

Concen: 19.644 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

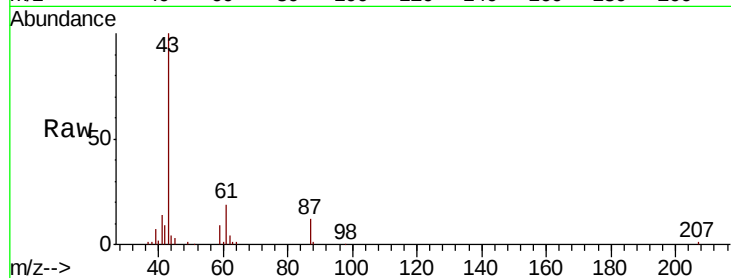
Tot Ion: 43 Resp: 104665

Ion Ratio Lower Upper

43 100

61 25.4 20.7 31.1

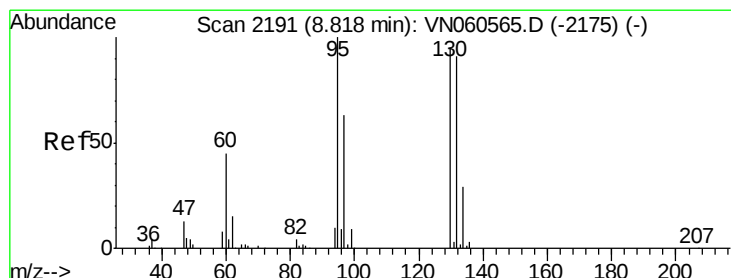
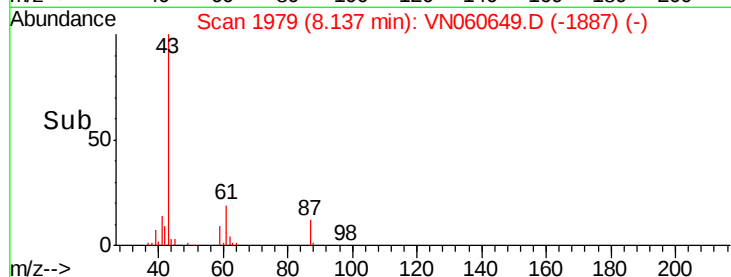
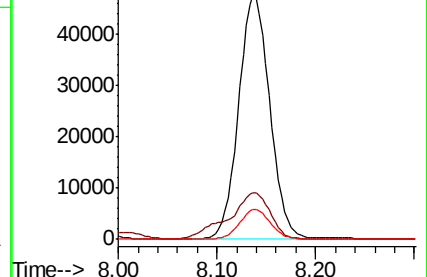
87 12.0 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1958) (-)

Ion 61.00 (60.70 to 61.70): VN060565.D (-1958) (-)

Ion 87.00 (86.70 to 87.70): VN060565.D (-1958) (-)



#44

Trichloroethene

Concen: 19.928 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060649.D

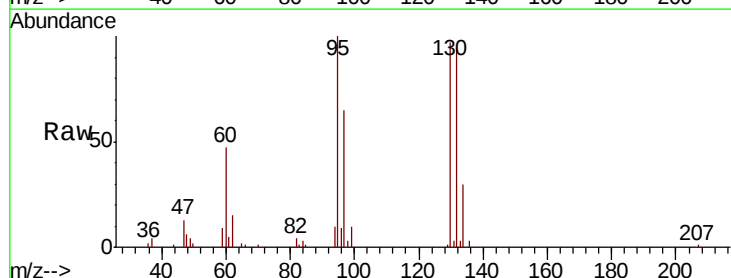
Acq: 20 Mar 2020 13:55

Tgt Ion:130 Resp: 45344

Ion Ratio Lower Upper

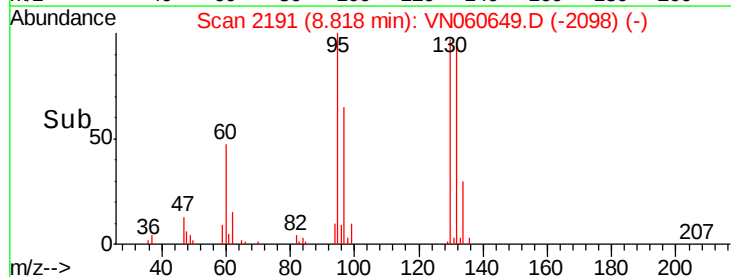
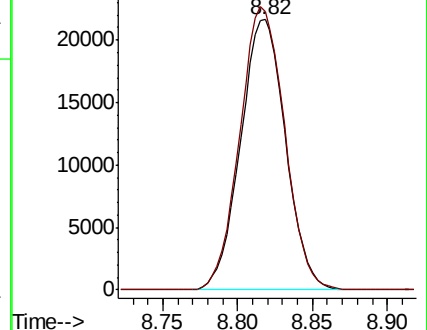
130 100

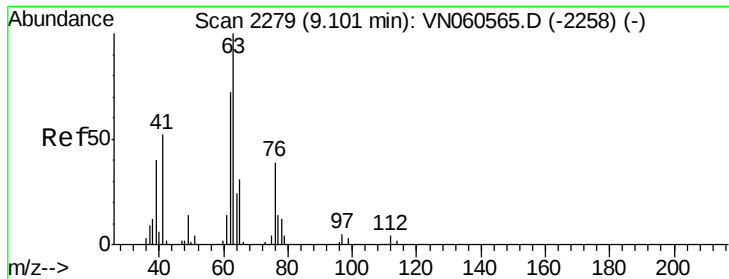
95 103.1 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN060565.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060565.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 19.952 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

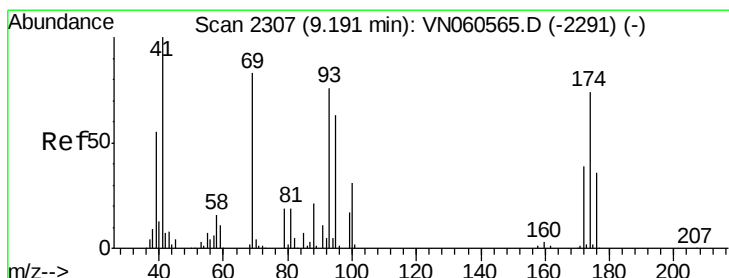
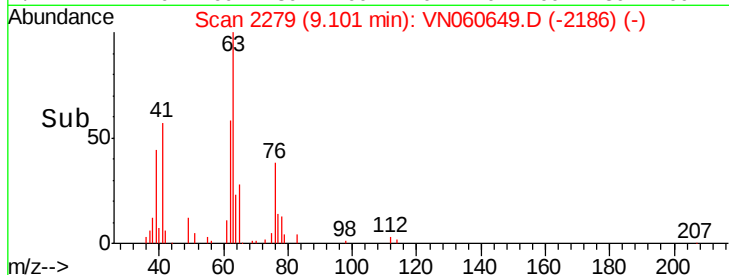
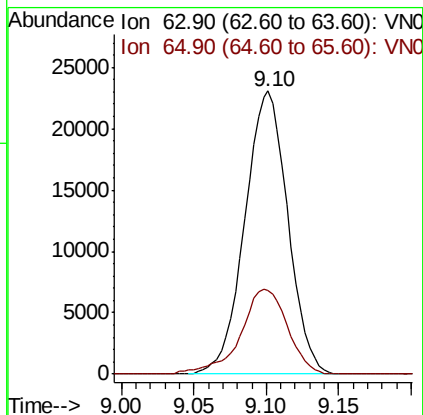
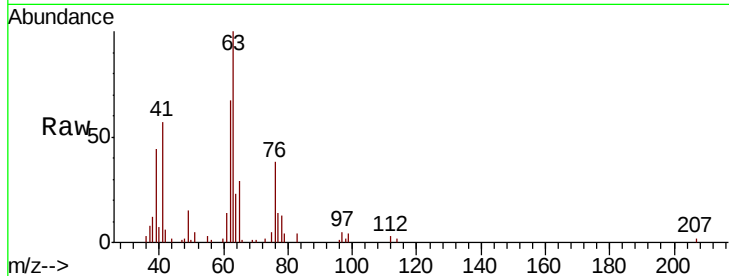
ClientSampled :

Tot Ion: 63 Resp: 47519

Ion Ratio Lower Upper

63 100

65 29.4 25.4 38.0



#46

Dibromomethane

Concen: 20.416 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

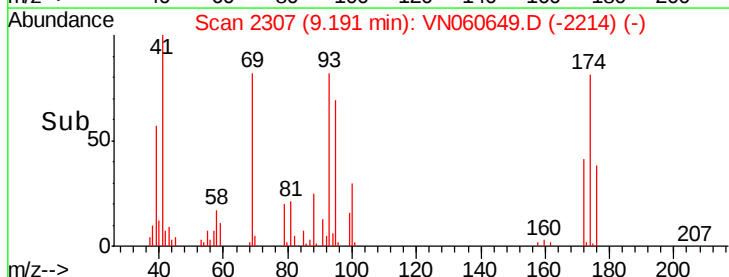
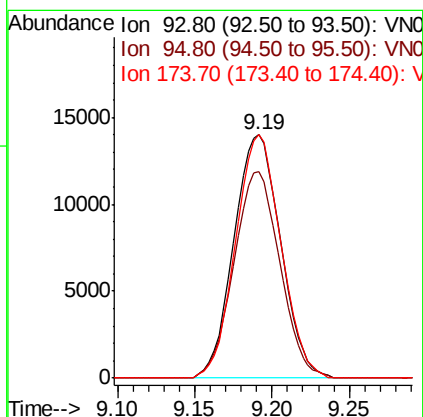
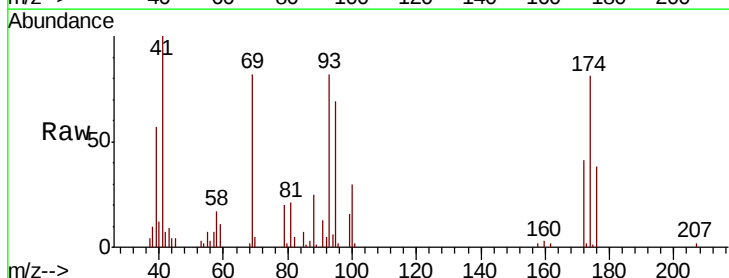
Tgt Ion: 93 Resp: 29396

Ion Ratio Lower Upper

93 100

95 83.7 66.2 99.4

174 97.0 77.9 116.9





#47

Bromodichloromethane

Concen: 19.567 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

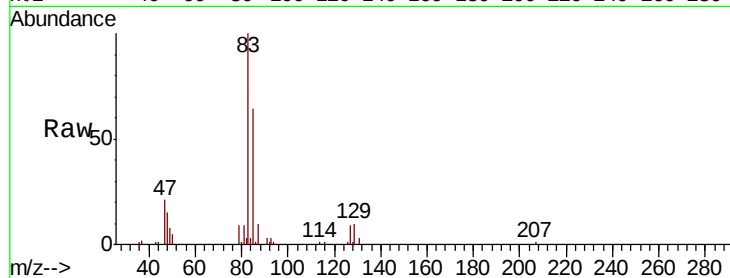
Tot Ion: 83 Resp: 58546

Ion Ratio Lower Upper

83 100

85 64.3 51.8 77.6

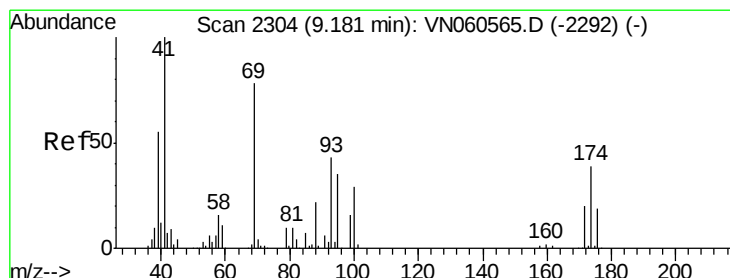
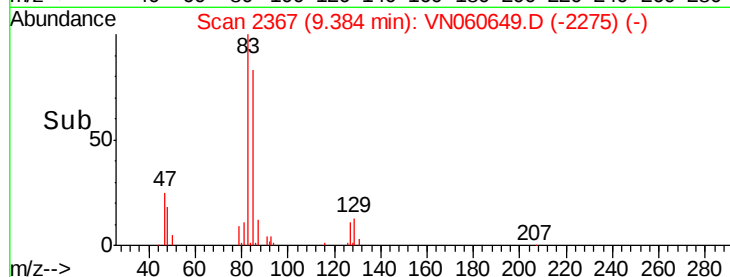
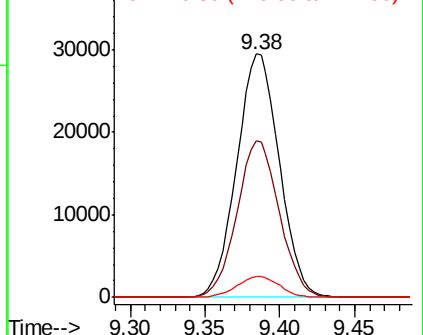
127 8.6 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060565.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN060565.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN060565.D (-2352) (-)



#48

Methyl methacrylate

Concen: 19.085 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

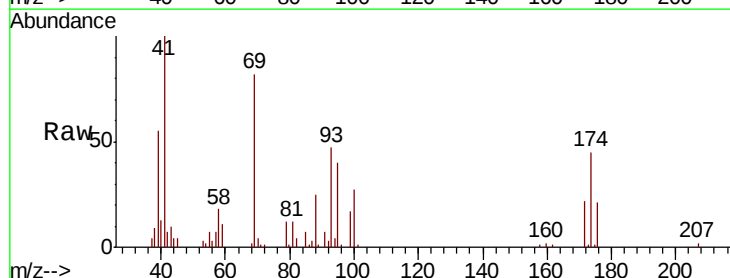
Tgt Ion: 41 Resp: 45274

Ion Ratio Lower Upper

41 100

69 84.9 65.4 98.0

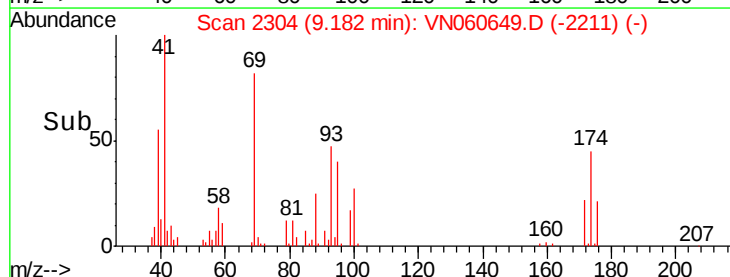
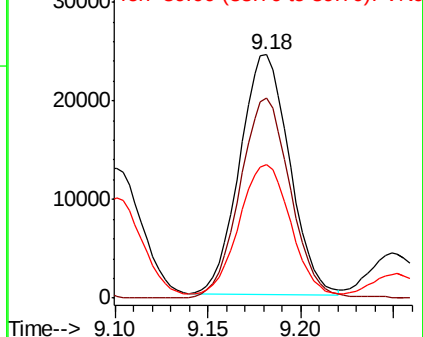
39 56.1 44.0 66.0

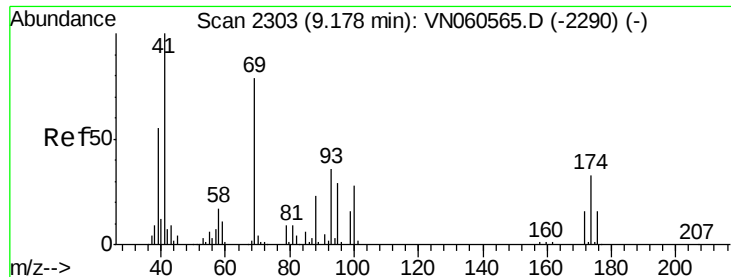


Abundance Ion 41.00 (40.70 to 41.70): VN060565.D (-2292) (-)

Ion 69.00 (68.70 to 69.70): VN060565.D (-2292) (-)

Ion 39.00 (38.70 to 39.70): VN060565.D (-2292) (-)

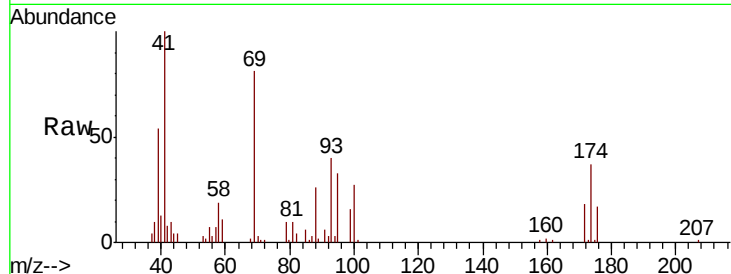




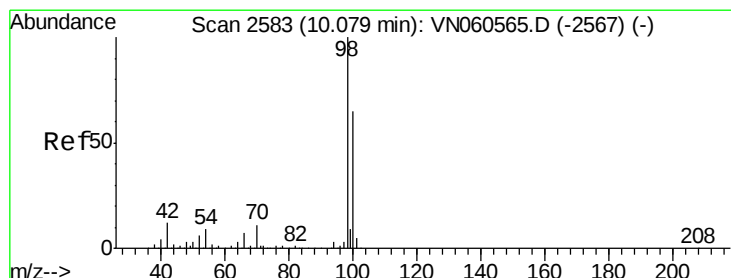
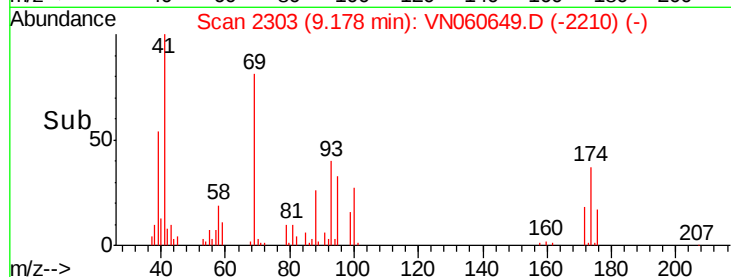
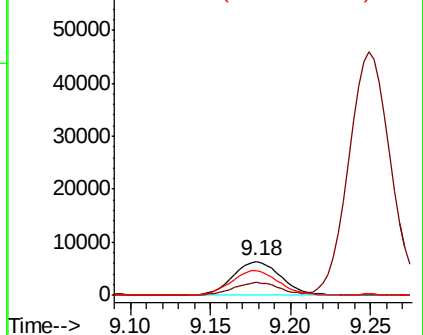
#49
1,4-Dioxane
Concen: 459.452 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 12955
Ion Ratio Lower Upper
88 100
43 37.3 30.8 46.2
58 73.1 59.8 89.8

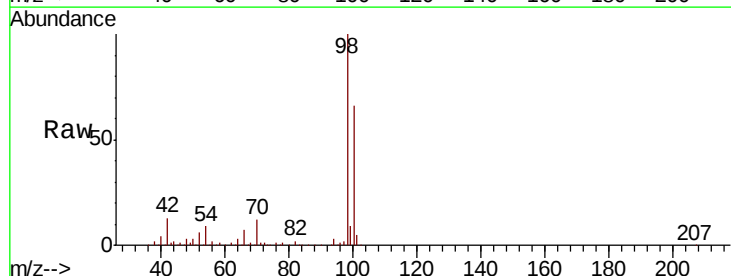


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

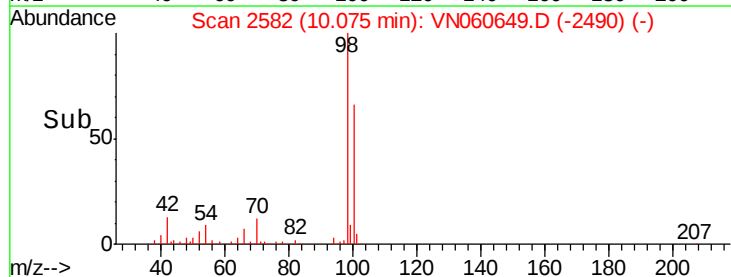
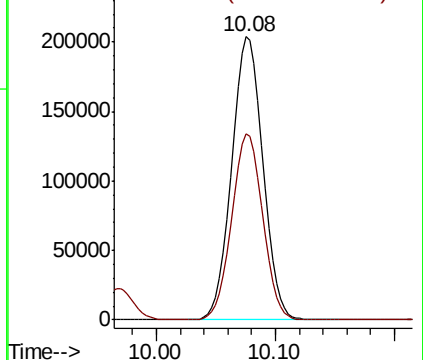


#50
Toluene-d8
Concen: 48.541 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion: 98 Resp: 370195
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.8



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





#51

4-Methyl-2-Pentanone

Concen: 100.570 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

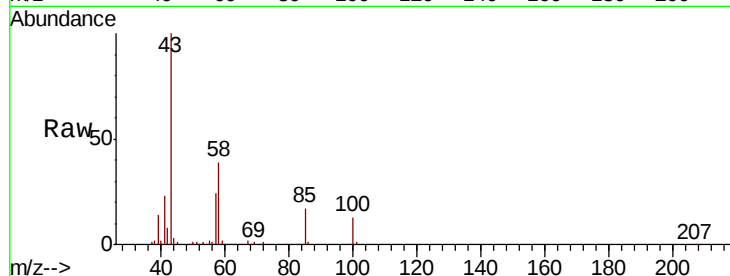
ClientSampled :

Tot Ion: 43 Resp: 304921

Ion Ratio Lower Upper

43 100

58 38.2 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)

9.97

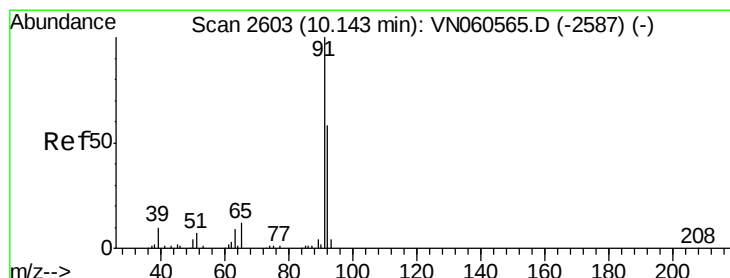
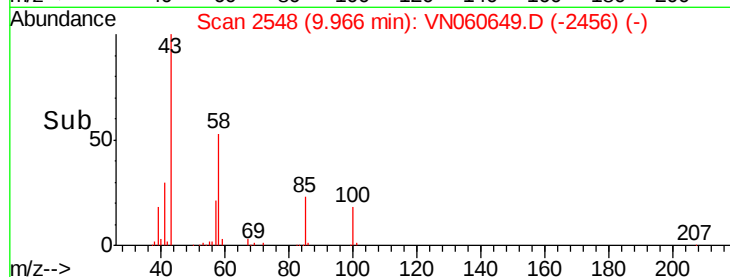
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.389 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060649.D

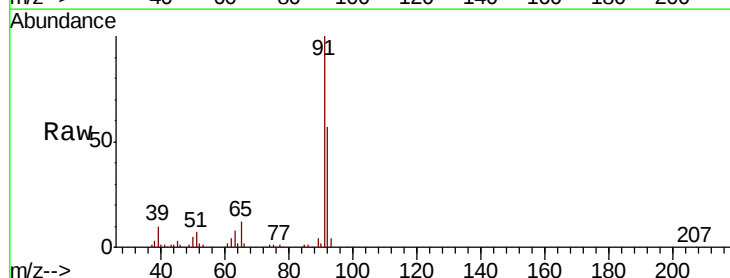
Acq: 20 Mar 2020 13:55

Tgt Ion: 92 Resp: 105689

Ion Ratio Lower Upper

92 100

91 175.2 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060565.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-2587) (-)

10.14

120000

100000

80000

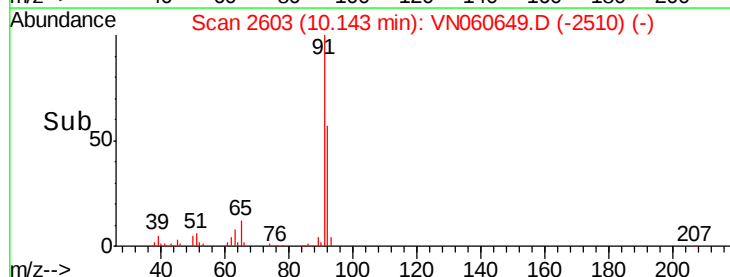
60000

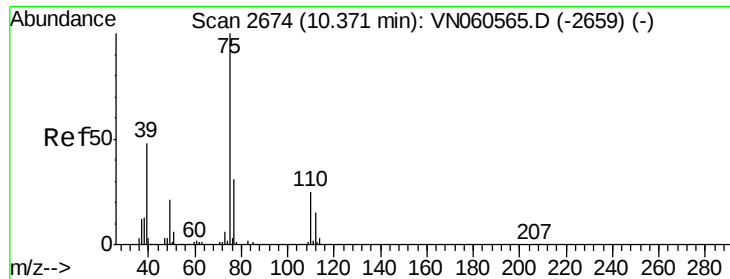
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.017 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

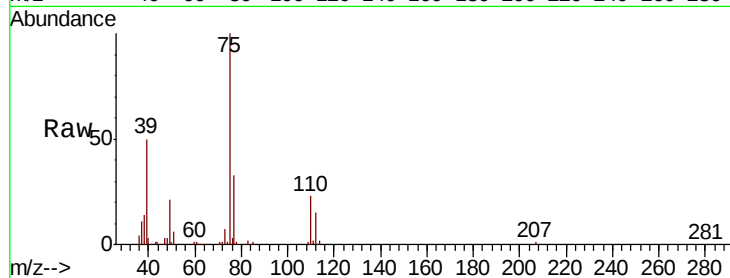
ClientSampleId :

Tot Ion: 75 Resp: 68795

Ion Ratio Lower Upper

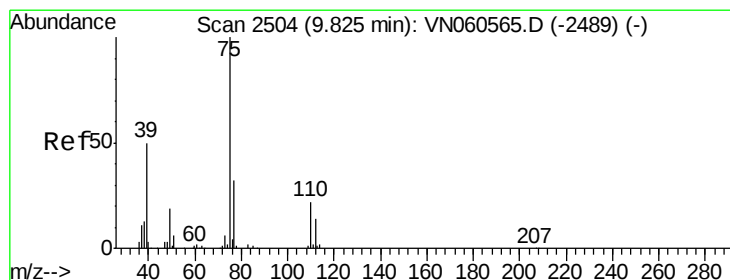
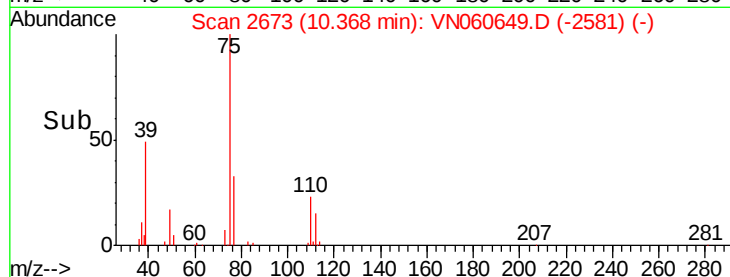
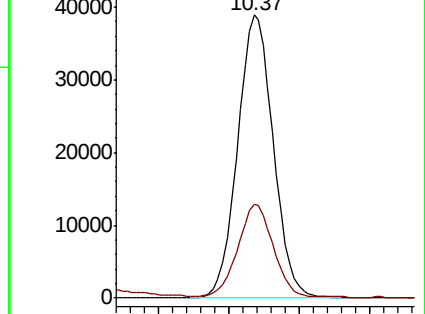
75 100

77 32.7 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN060649.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060649.D (-2411) (-)



#54

cis-1,3-Dichloropropene

Concen: 19.895 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

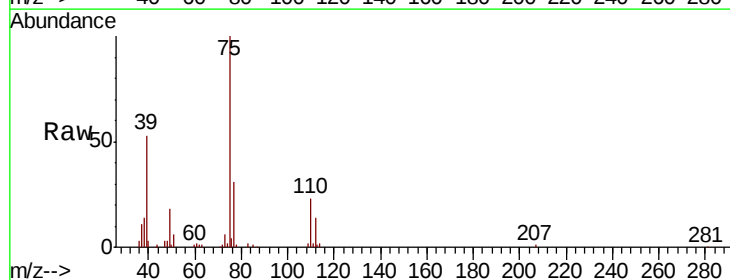
Tgt Ion: 75 Resp: 75014

Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0

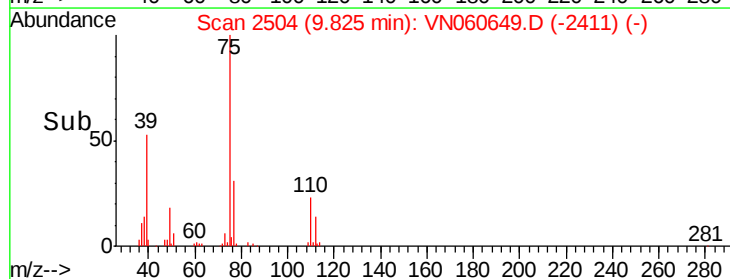
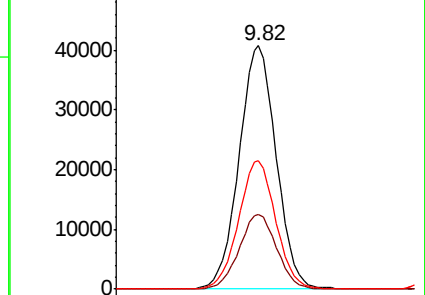
39 52.6 40.2 60.4

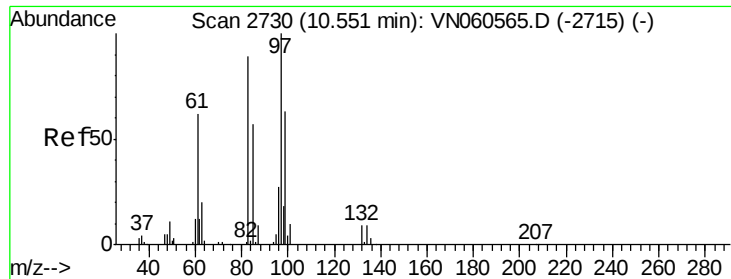


Abundance Ion 74.90 (74.60 to 75.60): VN060649.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060649.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060649.D (-2411) (-)





#55

1,1,2-Trichloroethane

Concen: 20.058 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 42063

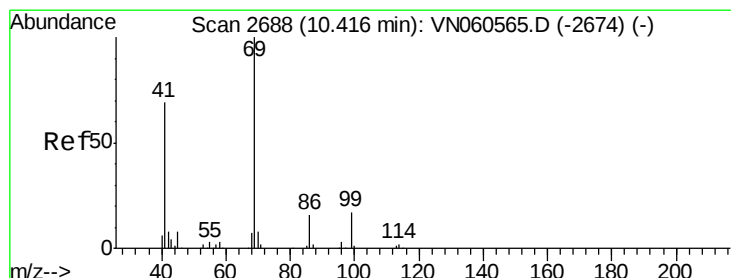
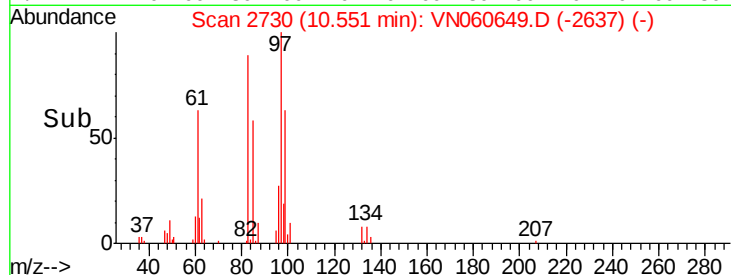
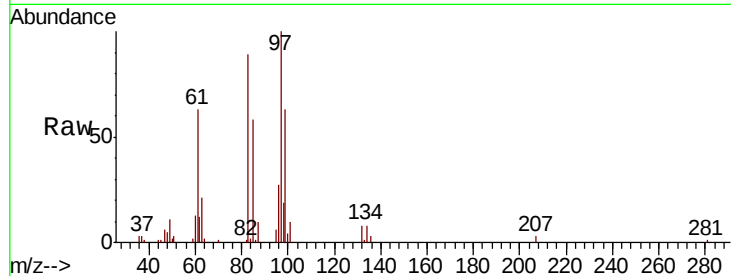
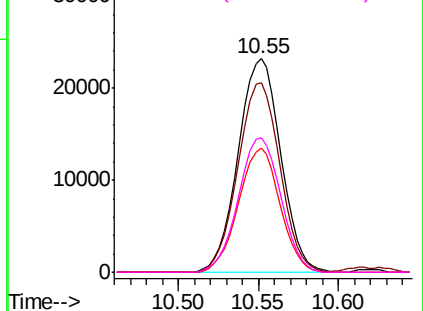
Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.3	106.9
85	57.9	45.2	67.8
99	62.8	50.1	75.1

Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.326 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

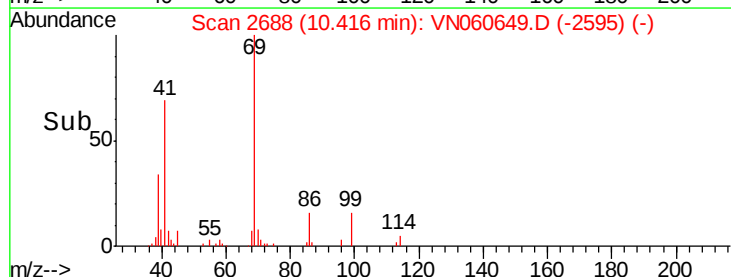
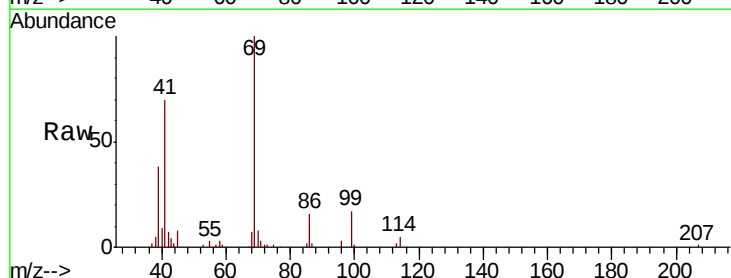
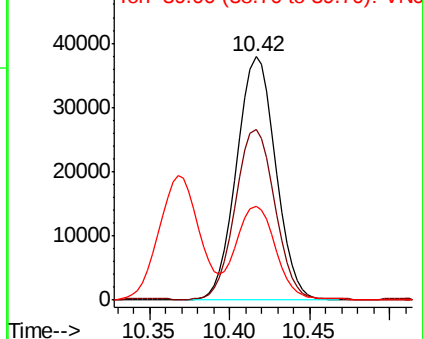
Tgt Ion: 69 Resp: 63193

Ion	Ratio	Lower	Upper
69	100		
41	71.5	55.4	83.2
39	39.7	29.4	44.0

Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.125 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

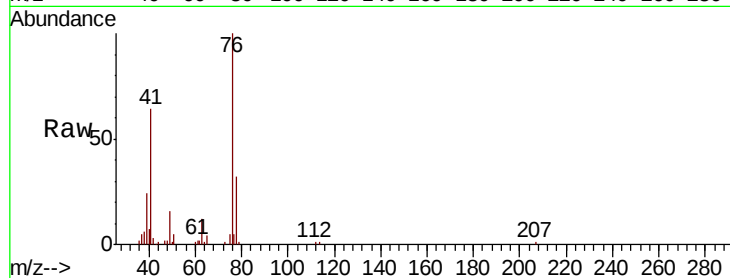
ClientSampleId :

Tot Ion: 76 Resp: 73238

Ion Ratio Lower Upper

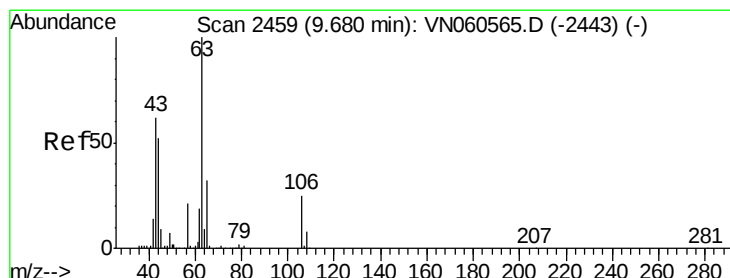
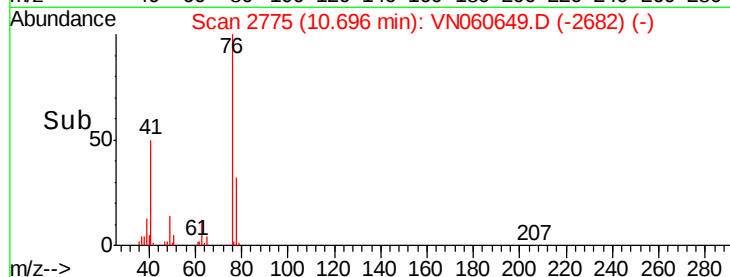
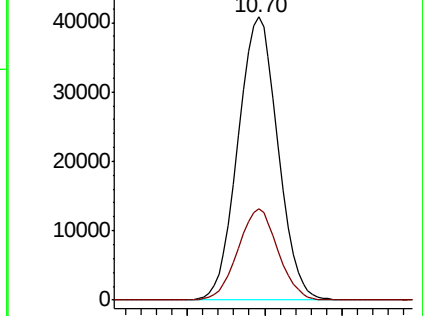
76 100

78 32.3 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN060649.D (-2761) (-)

Ion 77.90 (77.60 to 78.60): VN060649.D (-2761) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 101.287 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060649.D

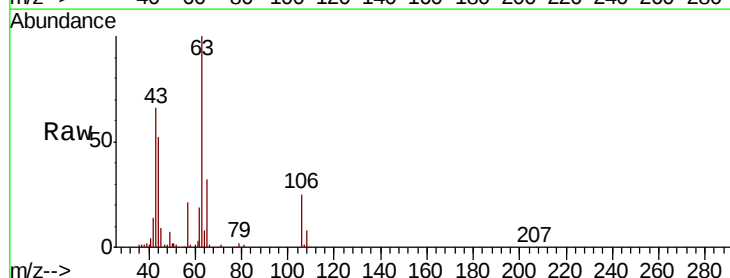
Acq: 20 Mar 2020 13:55

Tgt Ion: 63 Resp: 164608

Ion Ratio Lower Upper

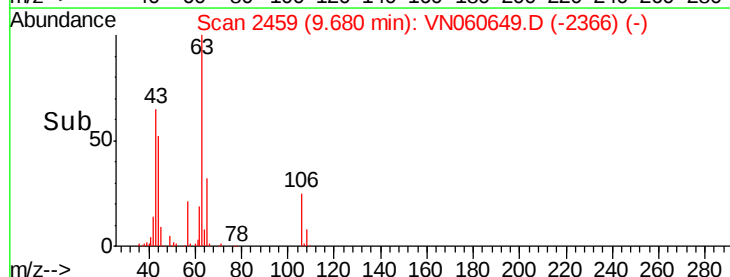
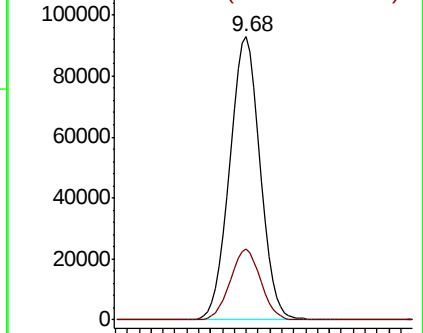
63 100

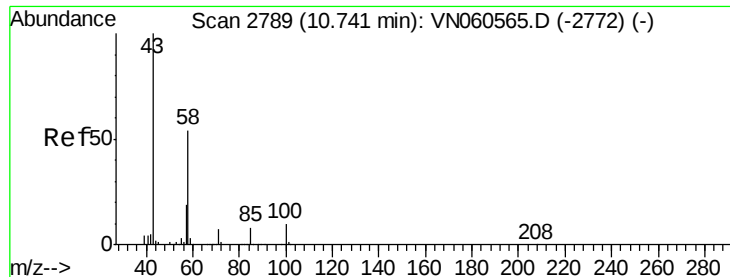
106 25.0 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN060649.D (-2443) (-)

Ion 105.90 (105.60 to 106.60): VN060649.D (-2443) (-)

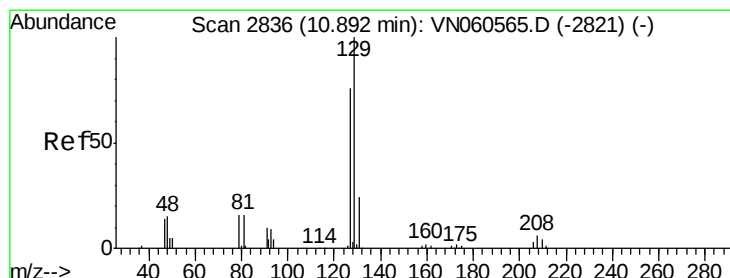
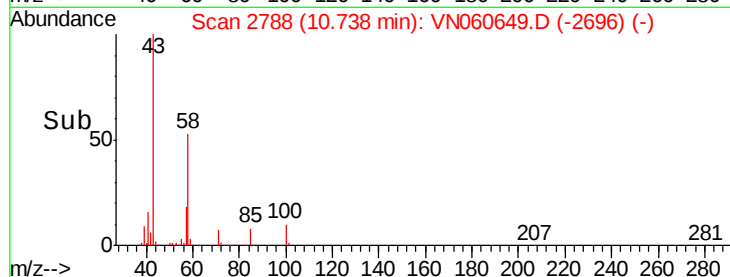
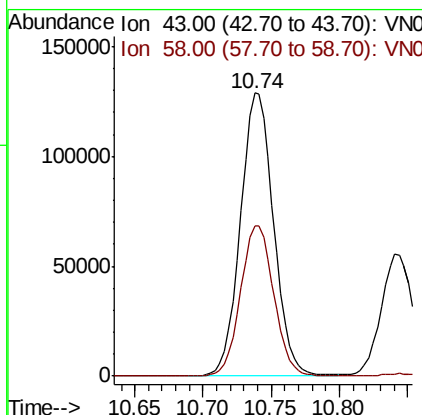
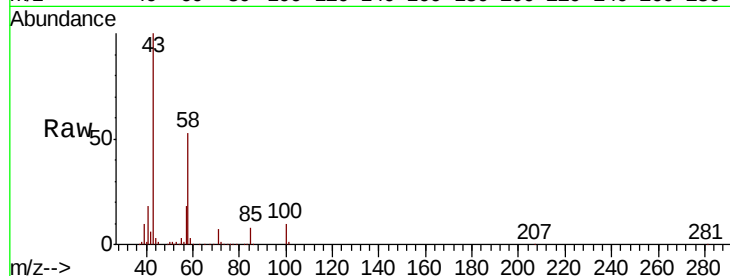




#59
2-Hexanone
Concen: 99.076 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

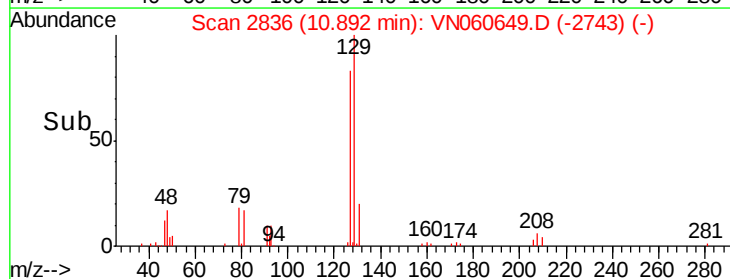
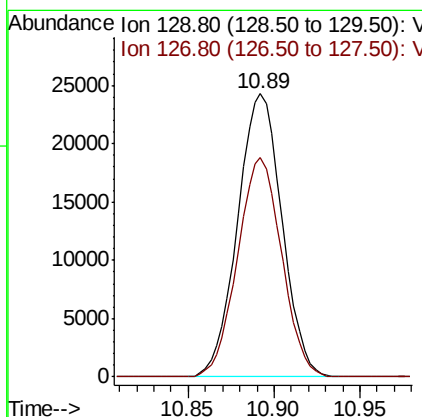
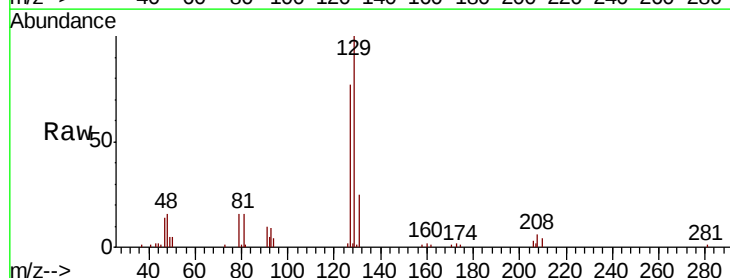
Instrument :
MSVOA_N
ClientSampled :

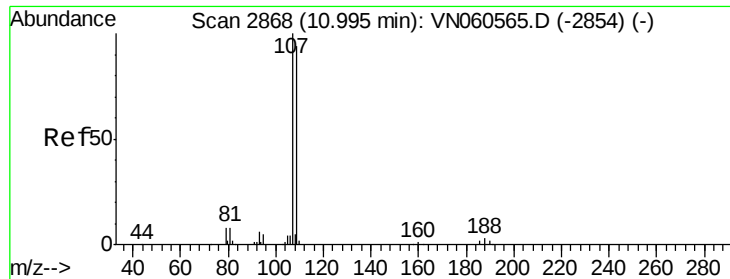
Tot Ion: 43 Resp: 216388
Ion Ratio Lower Upper
43 100
58 53.5 26.7 80.1



#60
Dibromochloromethane
Concen: 20.051 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion: 129 Resp: 43435
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5

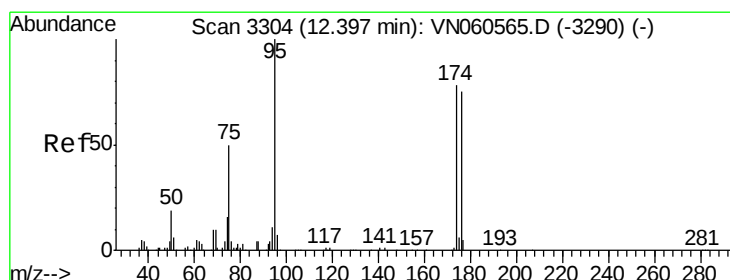
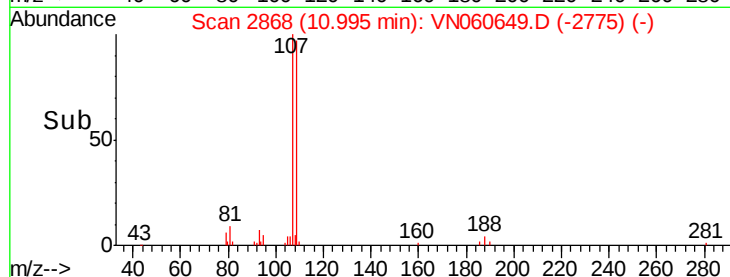
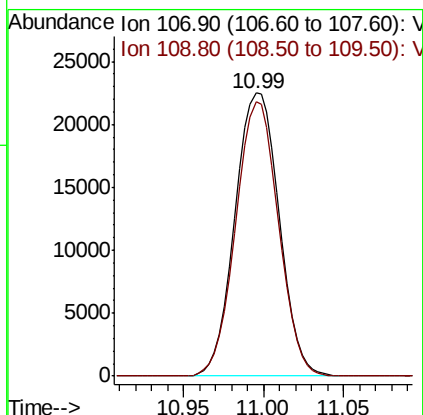
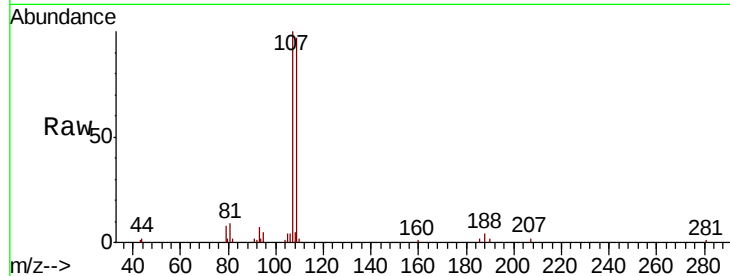




#61
 1,2-Dibromoethane
 Concen: 20.100 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

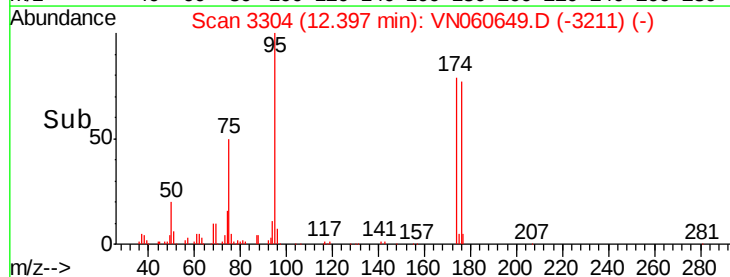
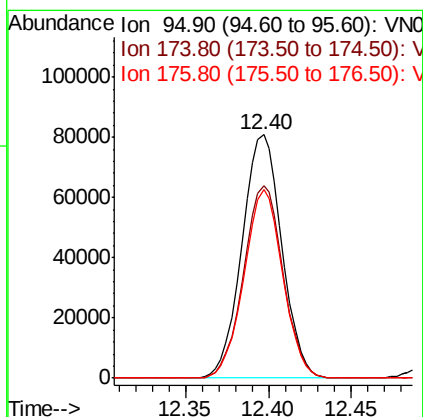
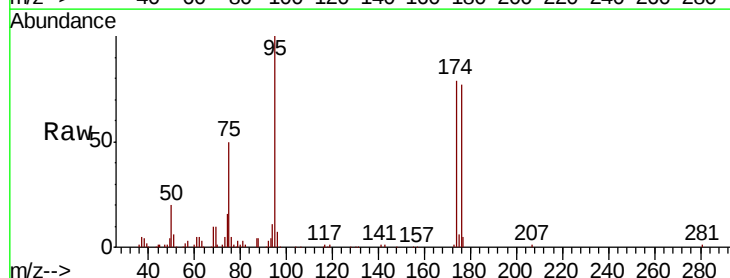
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 107 Resp: 42387
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 48.203 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Tgt Ion: 95 Resp: 134725
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 157.6
 176 75.5 0.0 150.6

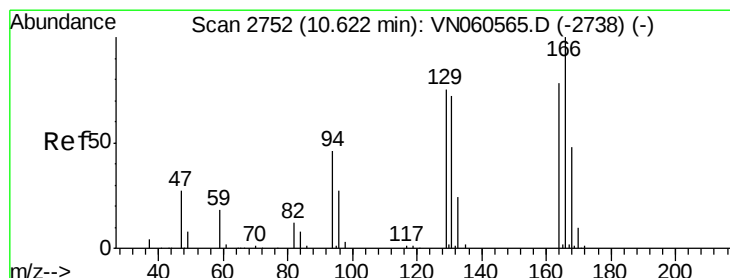
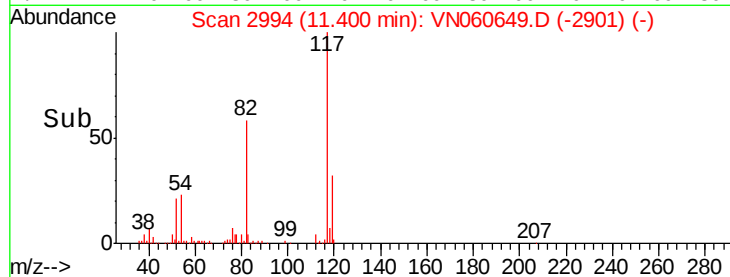
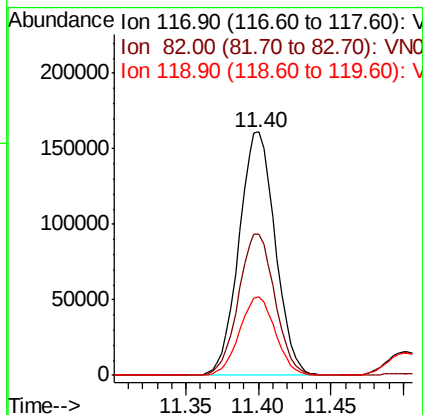
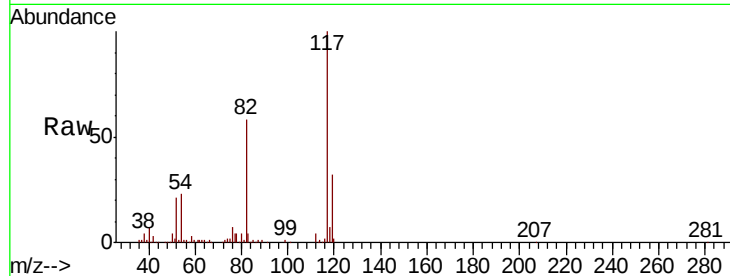




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

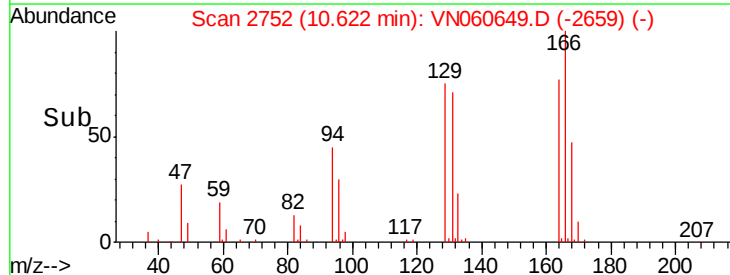
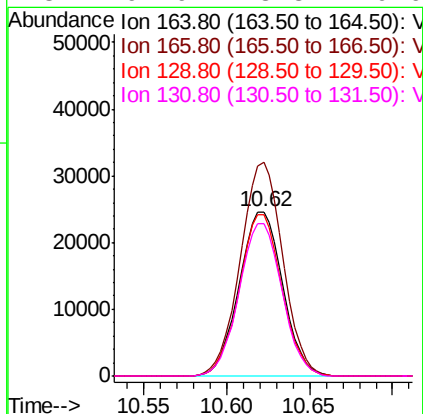
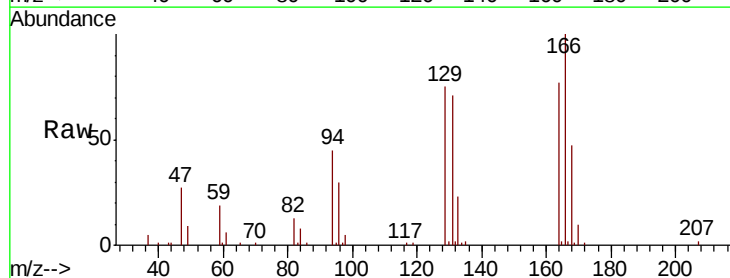
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 279877
Ion Ratio Lower Upper
117 100
82 58.0 46.7 70.1
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 20.418 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion:164 Resp: 44968
Ion Ratio Lower Upper
164 100
166 130.3 102.7 154.1
129 98.3 77.2 115.8
131 92.9 73.8 110.6

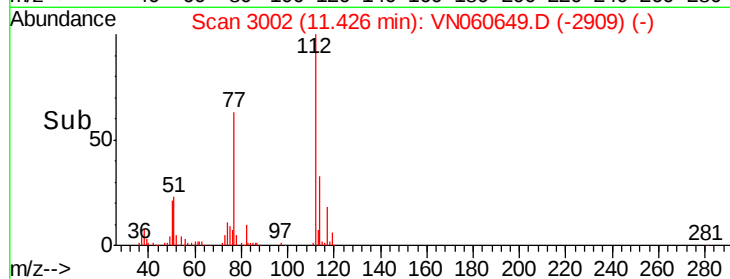
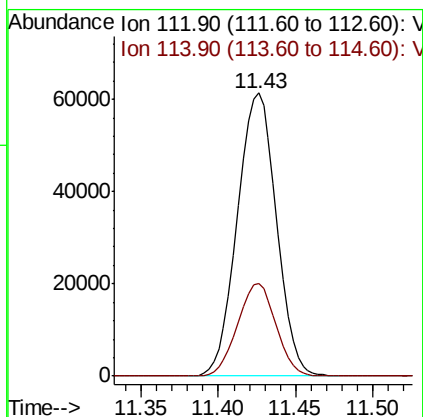
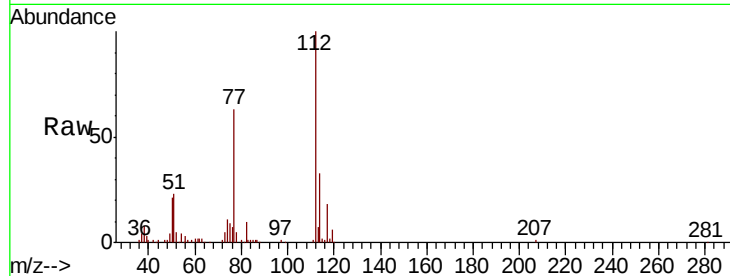




#65
Chlorobenzene
Concen: 19.441 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

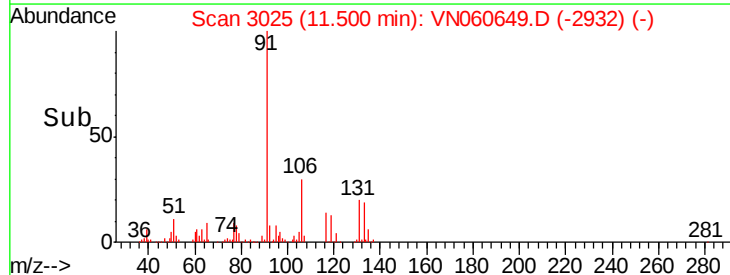
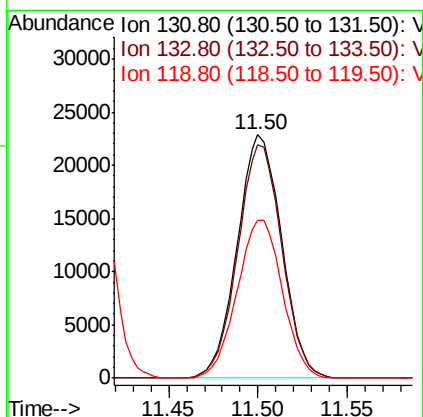
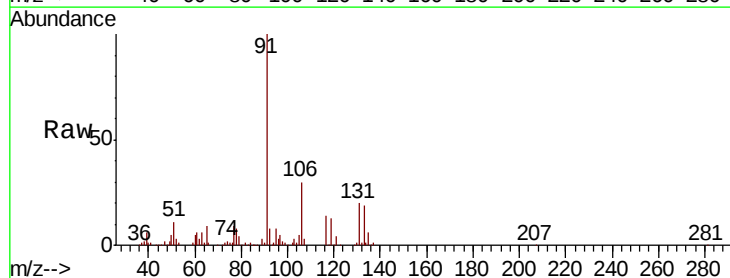
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:112 Resp: 107864
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.685 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion:131 Resp: 39545
Ion Ratio Lower Upper
131 100
133 95.9 48.9 146.8
119 66.2 33.9 101.7





#67

Ethyl Benzene

Concen: 19.687 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

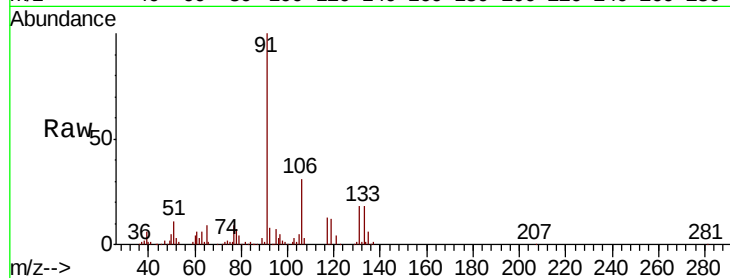
ClientSampled :

Tot Ion: 91 Resp: 203128

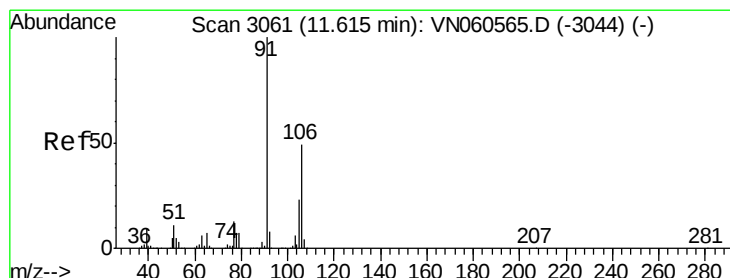
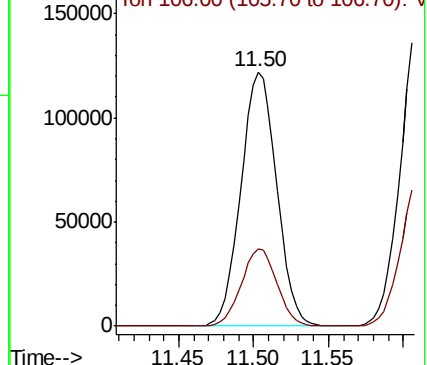
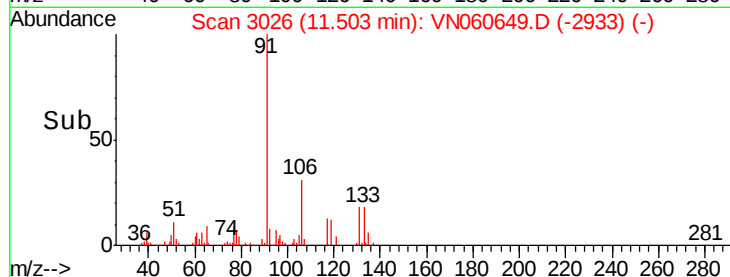
Ion Ratio Lower Upper

91 100

106 30.6 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VN060649.D (-2933) (-)



#68

m/p-Xylenes

Concen: 39.092 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060649.D

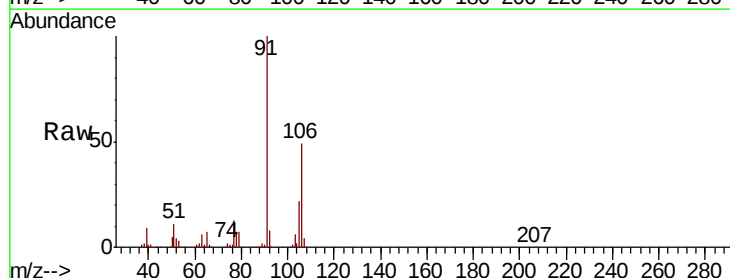
Acq: 20 Mar 2020 13:55

Tgt Ion: 106 Resp: 149887

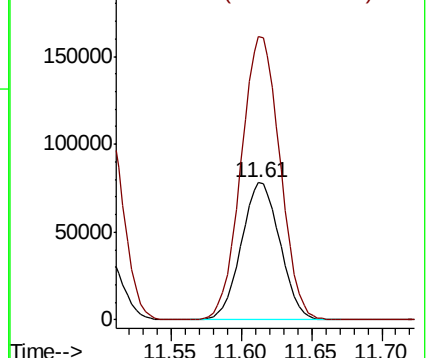
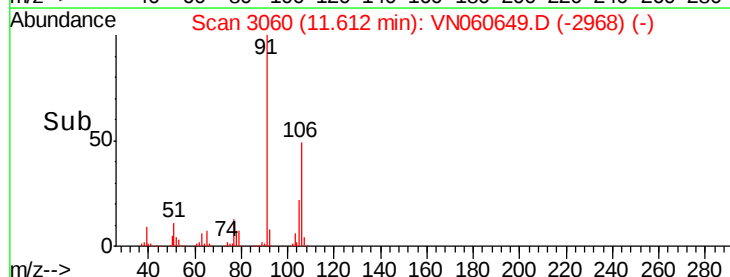
Ion Ratio Lower Upper

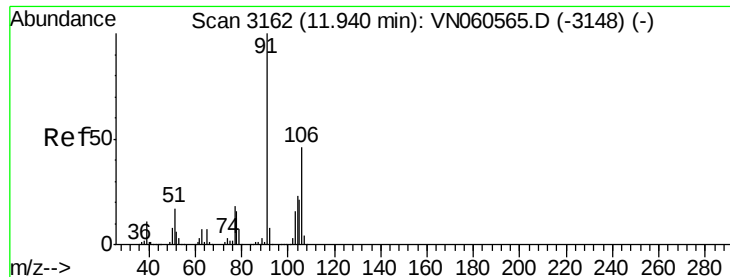
106 100

91 207.8 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060649.D (-2968) (-)

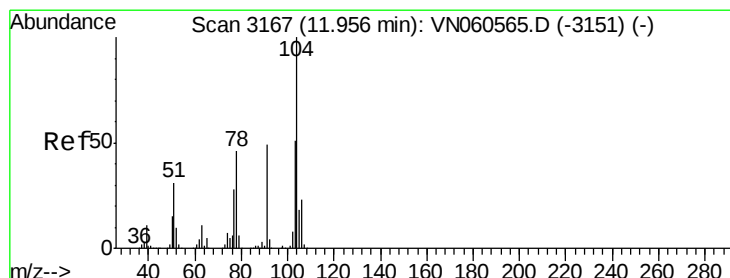
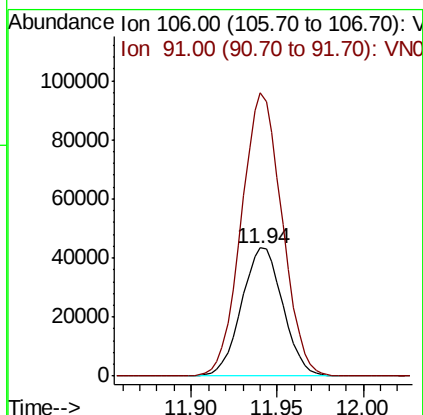
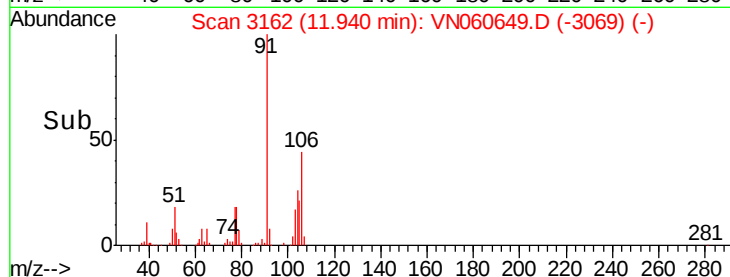
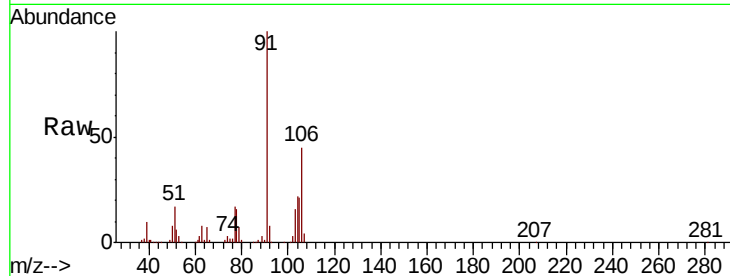




#69
o-Xylene
Concen: 19.759 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

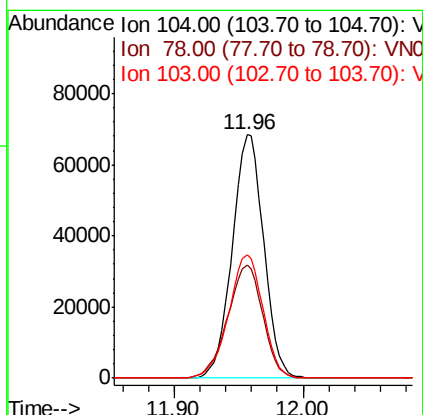
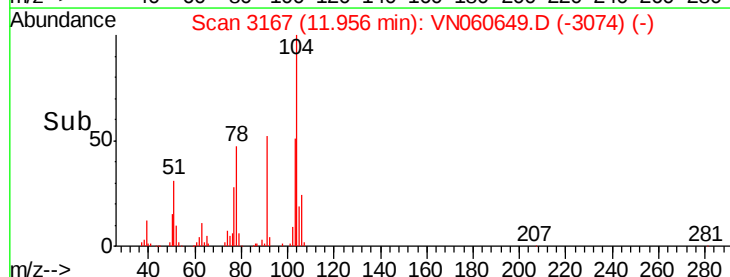
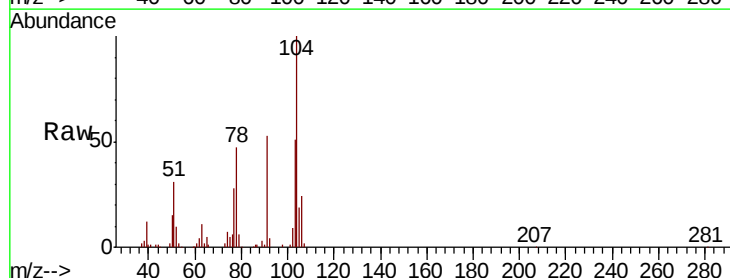
Instrument :
MSVOA_N
ClientSampled :

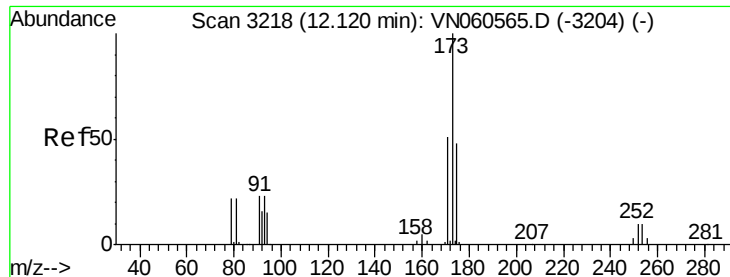
Tot Ion:106 Resp: 72322
Ion Ratio Lower Upper
106 100
91 217.9 109.5 328.4



#70
Styrene
Concen: 19.413 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion:104 Resp: 116213
Ion Ratio Lower Upper
104 100
78 51.6 41.2 61.8
103 54.9 44.0 66.0

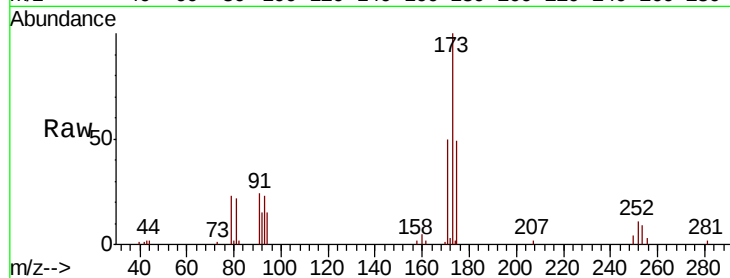




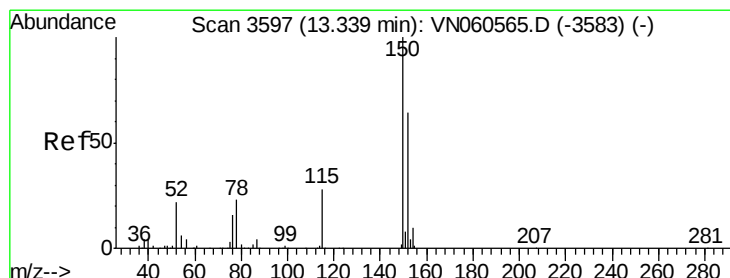
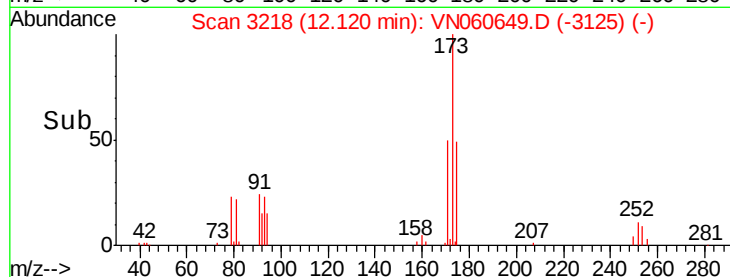
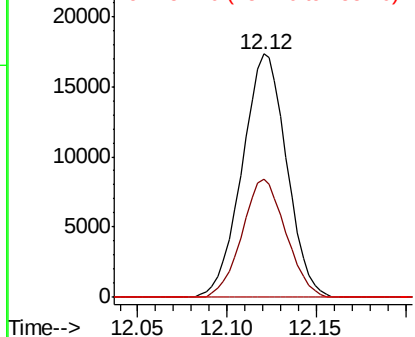
#71
Bromoform
Concen: 19.142 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 30168
Ion Ratio Lower Upper
173 100
175 47.7 24.1 72.4
254 0.0 0.0 0.0

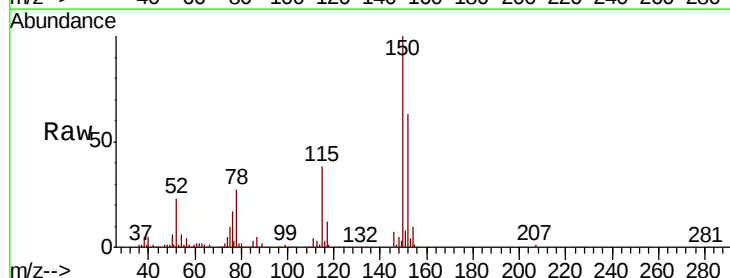


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

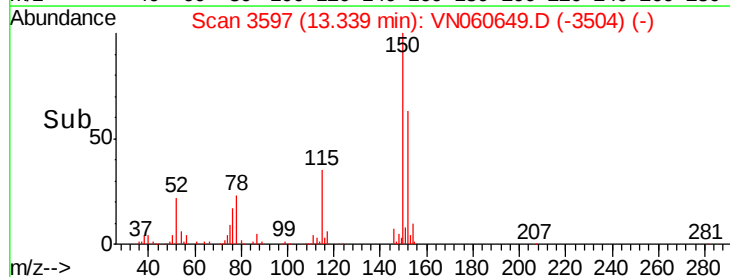
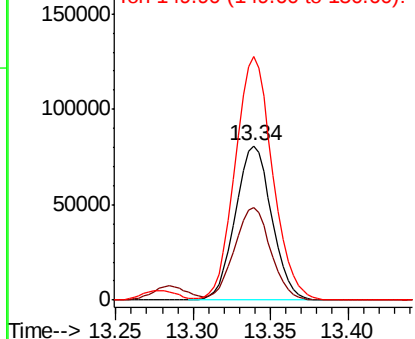


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion:152 Resp: 131725
Ion Ratio Lower Upper
152 100
115 60.1 30.2 90.6
150 162.9 0.0 350.2



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: 19.478 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

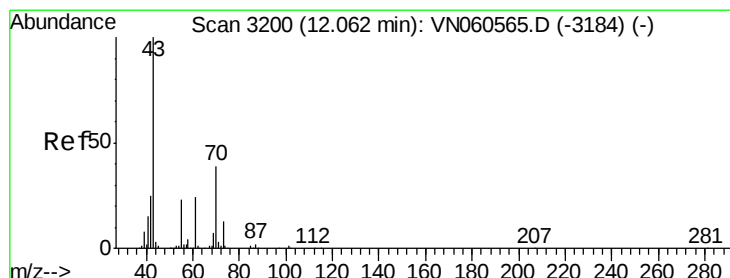
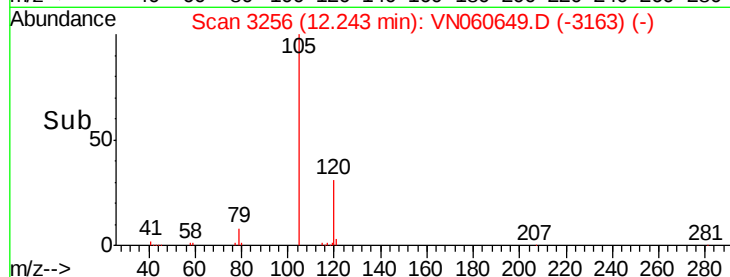
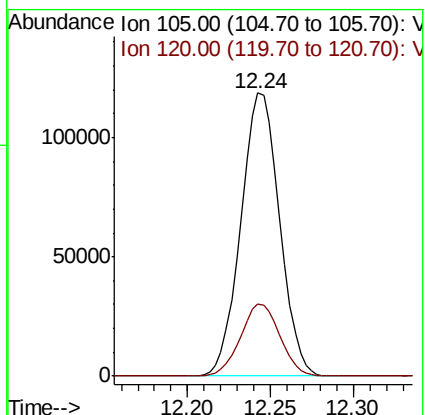
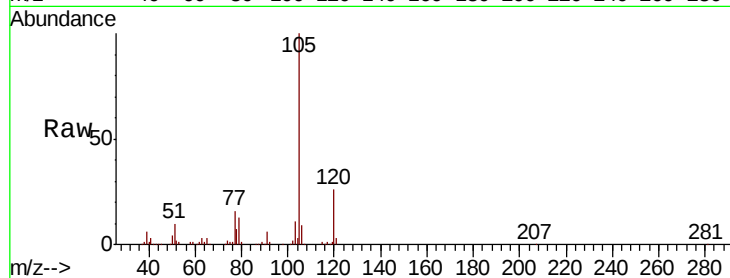
ClientSampleId :

Tot Ion:105 Resp: 192551

Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.1



#74

N-ethyl acetate

Concen: 19.102 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Tgt Ion: 43 Resp: 87256

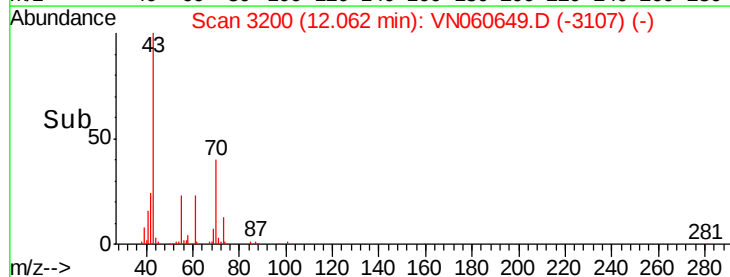
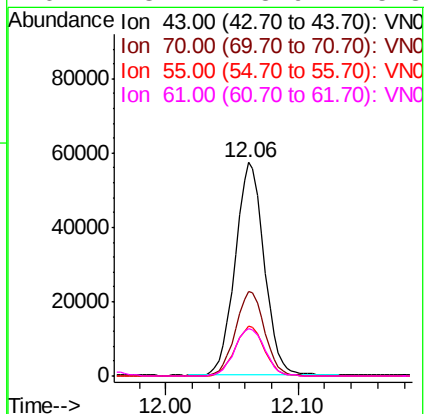
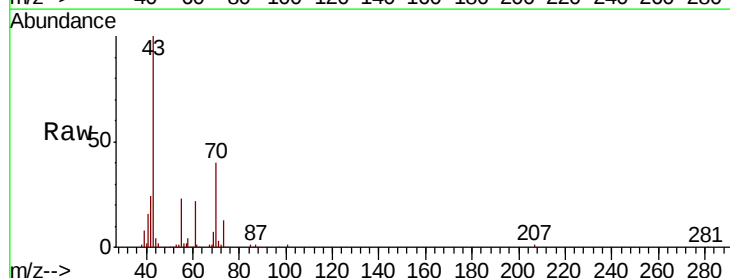
Ion Ratio Lower Upper

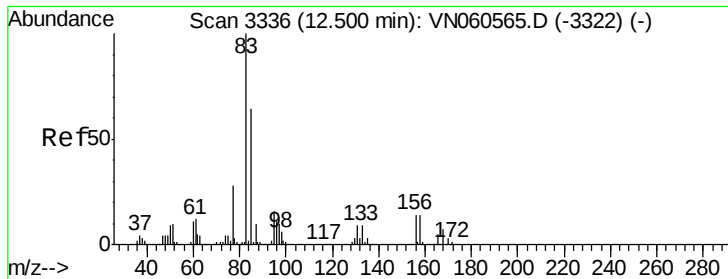
43 100

70 39.7 31.1 46.7

55 23.8 18.6 27.8

61 23.2 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.820 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

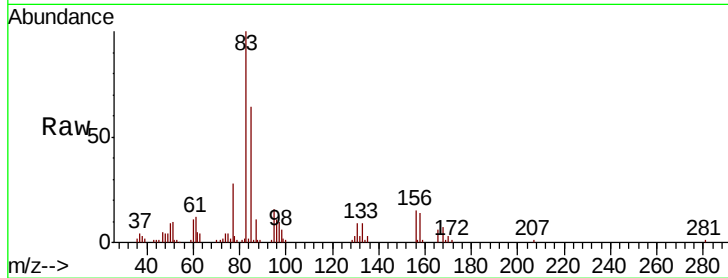
Tot Ion: 83 Resp: 59250

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.7

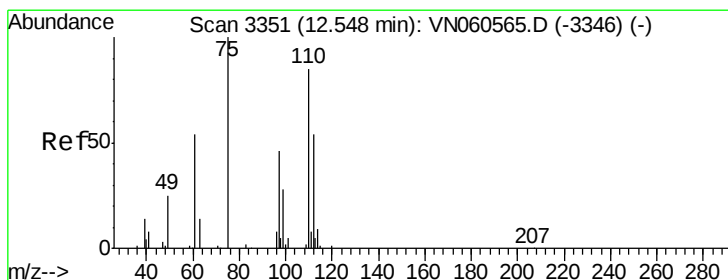
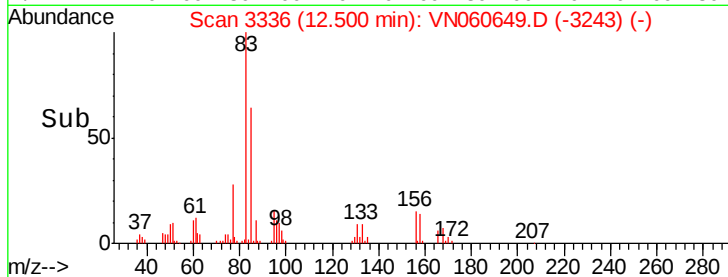
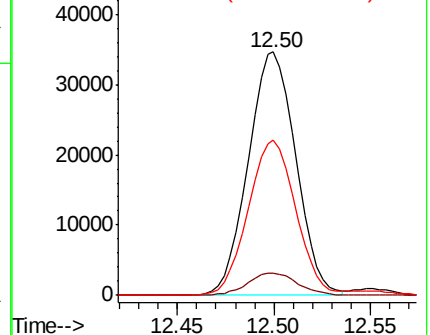
85 63.7 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN060649.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060649.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060649.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 28.345 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060649.D

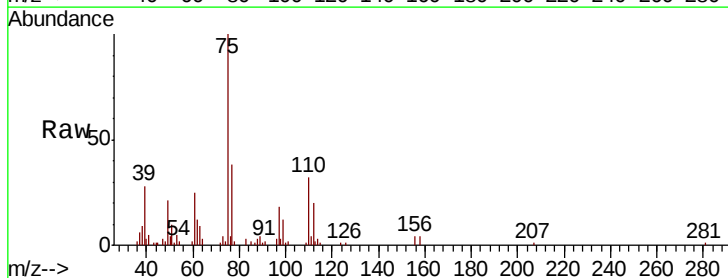
Acq: 20 Mar 2020 13:55

Tgt Ion: 75 Resp: 80567

Ion Ratio Lower Upper

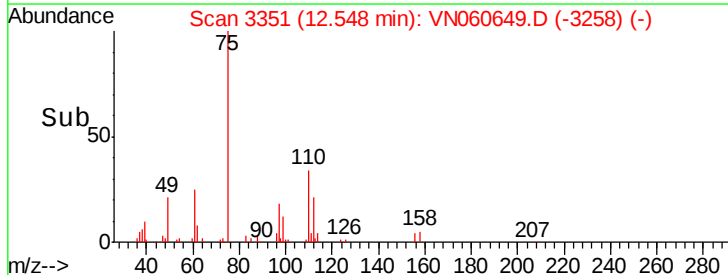
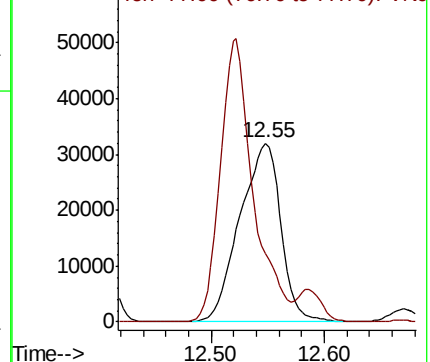
75 100

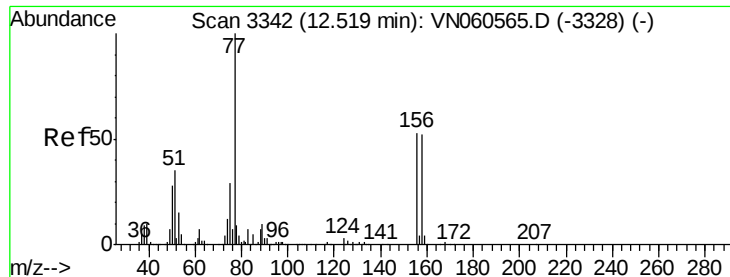
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060649.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060649.D (-3258) (-)





#77

Bromobenzene

Concen: 19.046 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

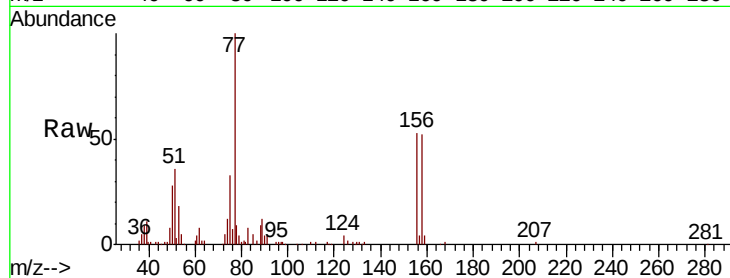
Tot Ion:156 Resp: 45368

Ion Ratio Lower Upper

156 100

77 225.2 112.3 337.0

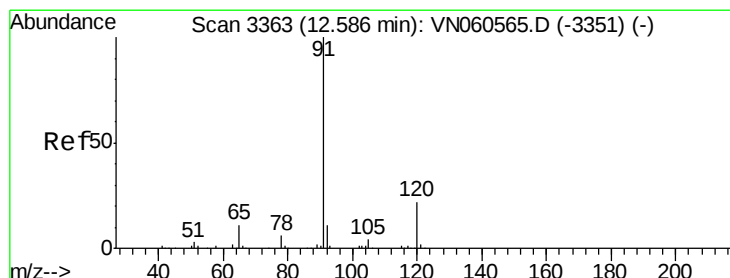
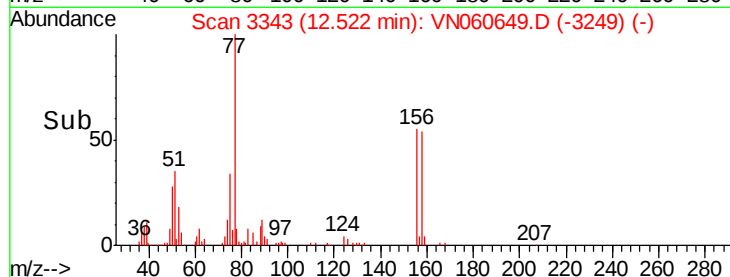
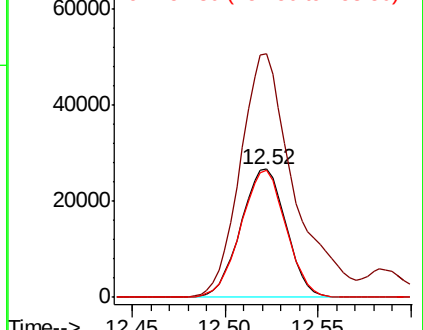
158 98.5 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.432 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060649.D

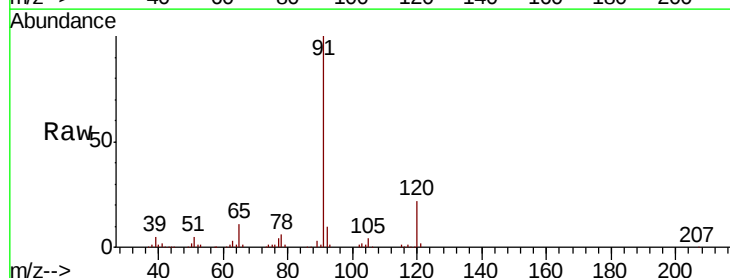
Acq: 20 Mar 2020 13:55

Tgt Ion: 91 Resp: 226950

Ion Ratio Lower Upper

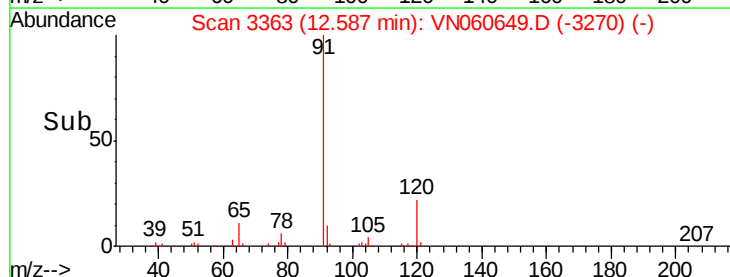
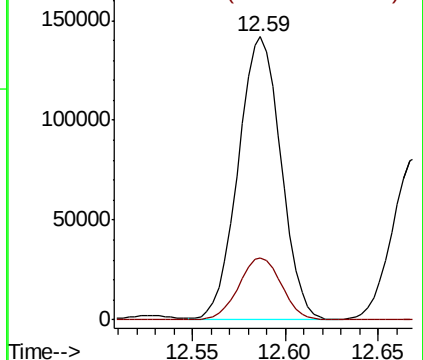
91 100

120 22.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

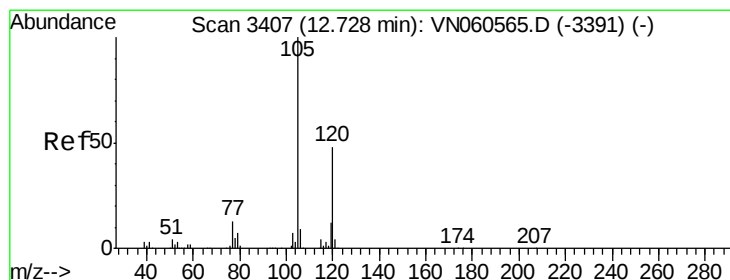
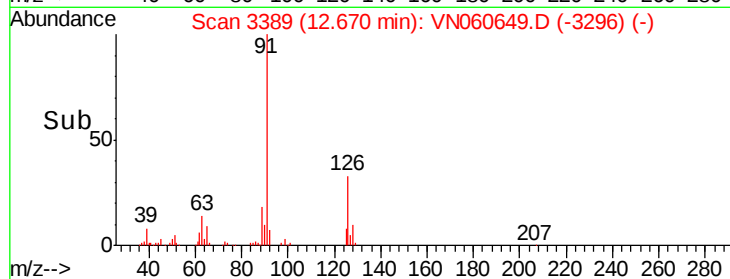
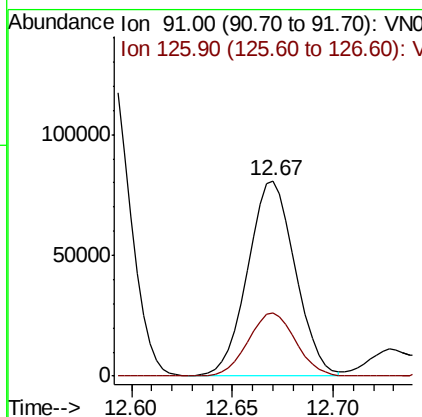
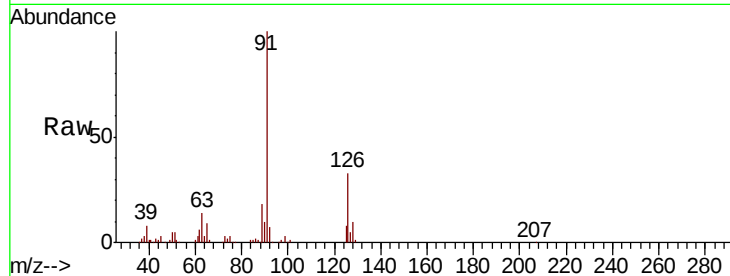




#79
 2-Chlorotoluene
 Concen: 19.008 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

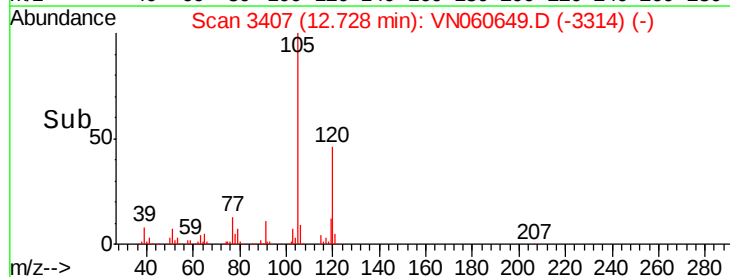
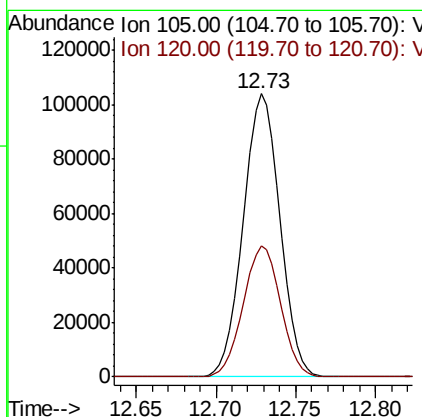
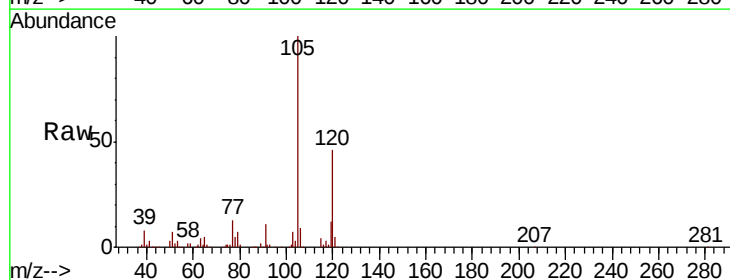
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 91 Resp: 132642
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 19.332 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Tgt Ion: 105 Resp: 162180
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.9 71.7

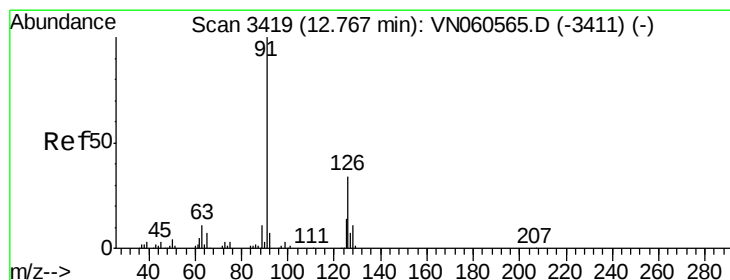
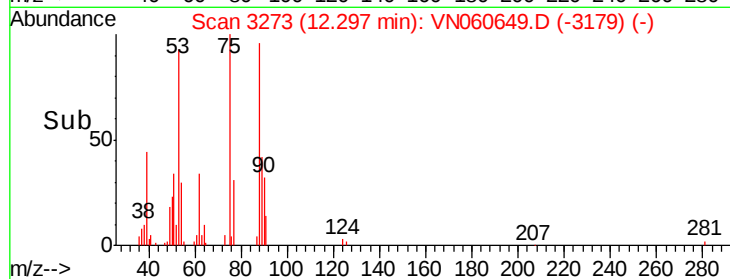
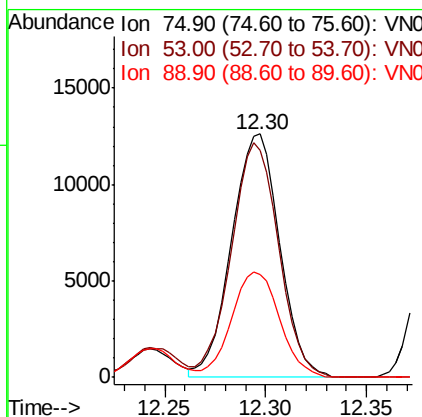
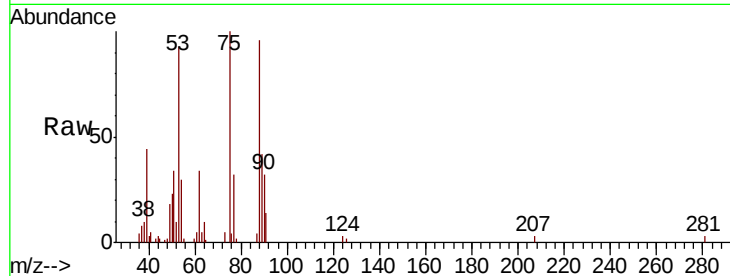




#81
trans-1,4-Dichloro-2-butene
Concen: 19.036 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

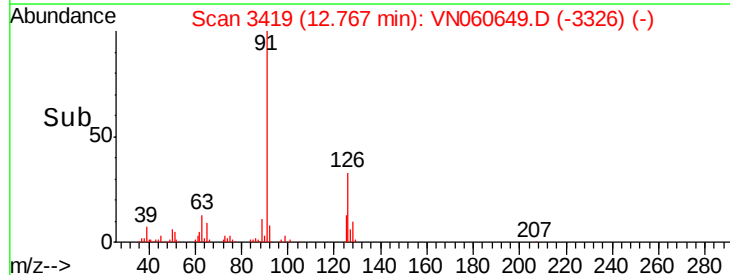
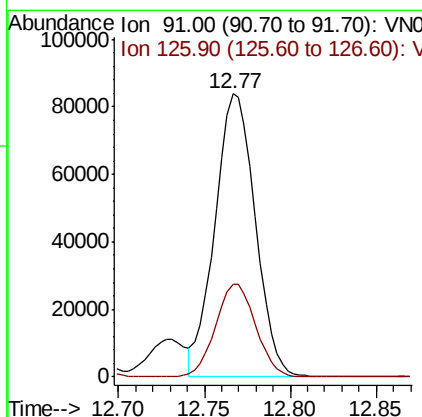
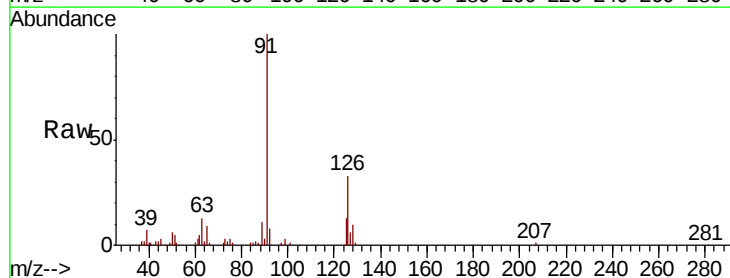
Instrument :
MSVOA_N
ClientSampleId :

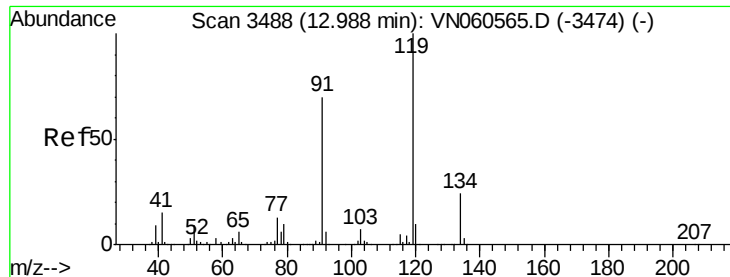
Tot Ion: 75 Resp: 21067
Ion Ratio Lower Upper
75 100
53 95.3 73.0 109.4
89 43.5 34.8 52.2



#82
4-Chlorotoluene
Concen: 19.332 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion: 91 Resp: 137397
Ion Ratio Lower Upper
91 100
126 32.4 16.2 48.5

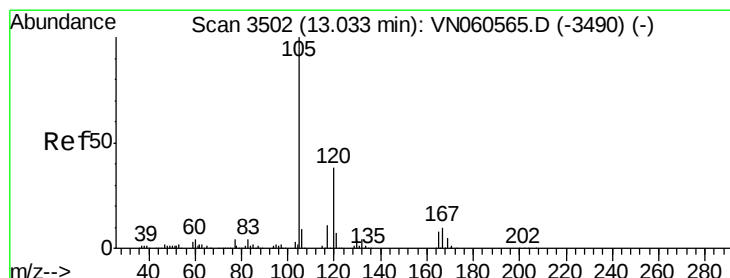
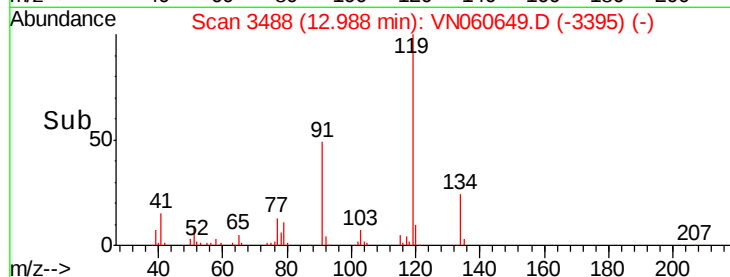
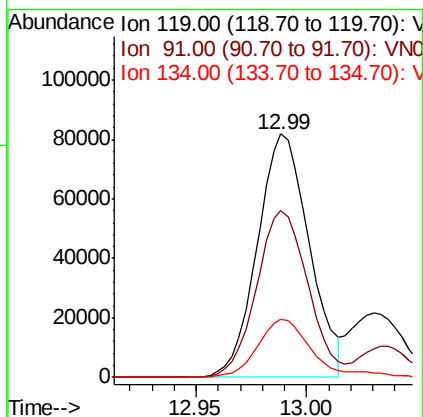
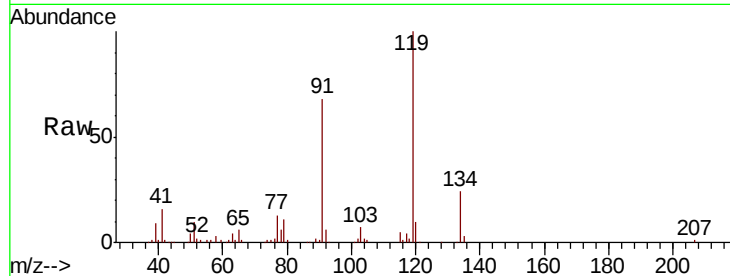




#83
tert-Butylbenzene
Concen: 19.199 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

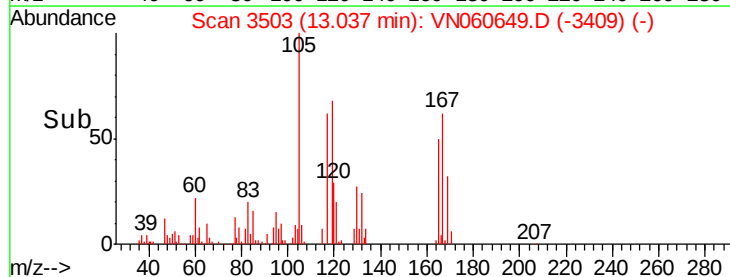
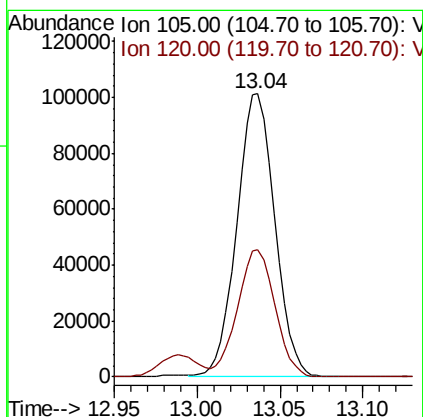
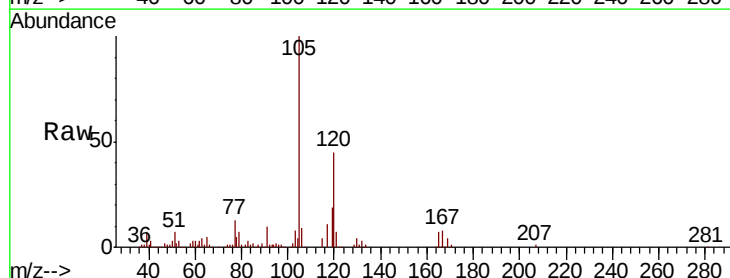
Instrument :
MSVOA_N
ClientSampled :

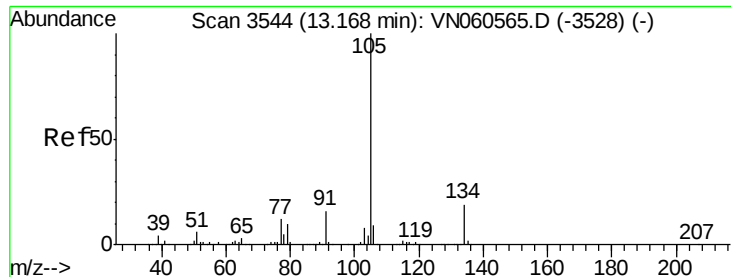
Tot Ion:119 Resp: 133512
Ion Ratio Lower Upper
119 100
91 68.1 34.0 101.8
134 25.1 12.7 38.0



#84
1,2,4-Trimethylbenzene
Concen: 19.420 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion:105 Resp: 161176
Ion Ratio Lower Upper
105 100
120 44.4 22.1 66.5





#85

sec-Butylbenzene

Concen: 19.129 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

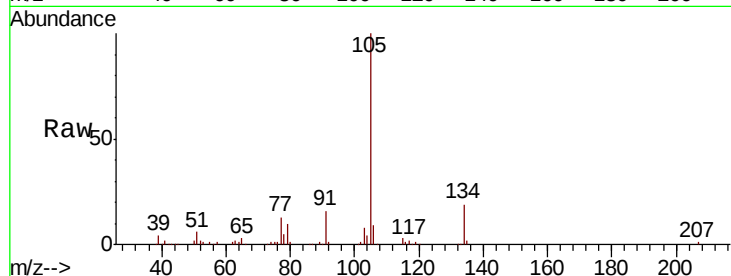
ClientSampled :

Tot Ion:105 Resp: 178887

Ion Ratio Lower Upper

105 100

134 19.1 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

120000

100000

80000

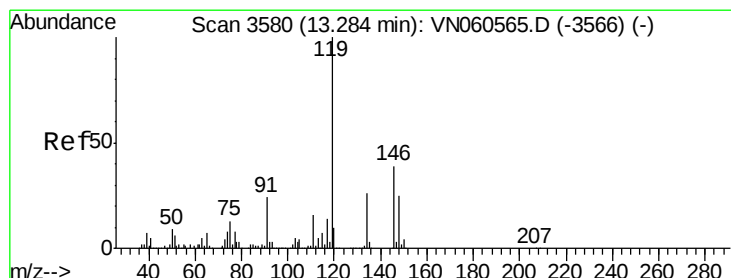
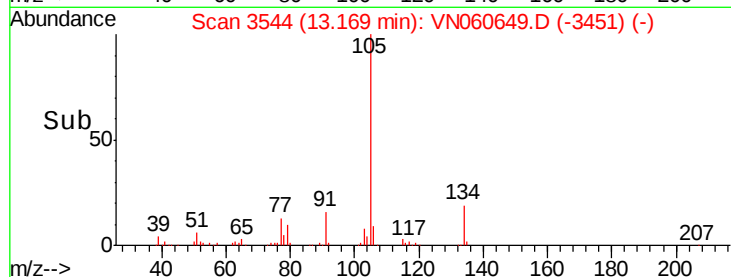
60000

40000

20000

0

Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 19.212 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

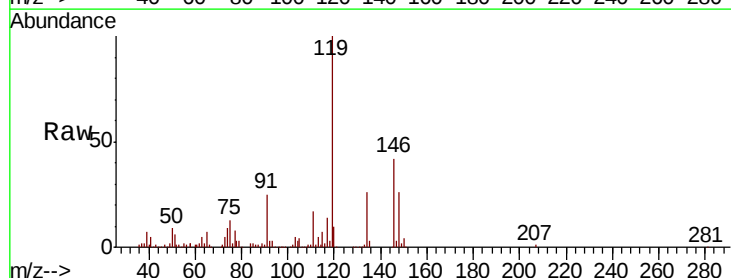
Tgt Ion:119 Resp: 161558

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 24.5 12.0 36.0



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

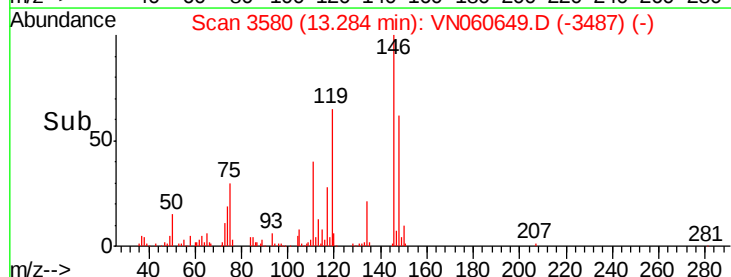
13.28

100000

50000

0

Time--> 13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 19.626 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

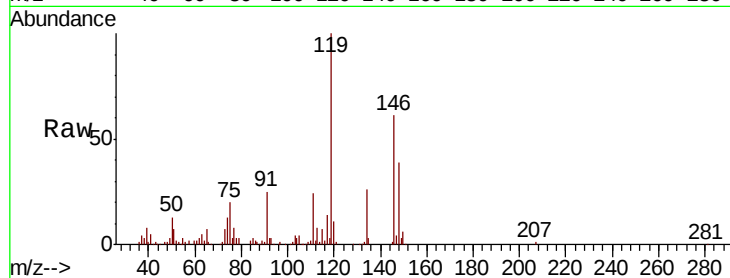
Tot Ion:146 Resp: 82455

Ion Ratio Lower Upper

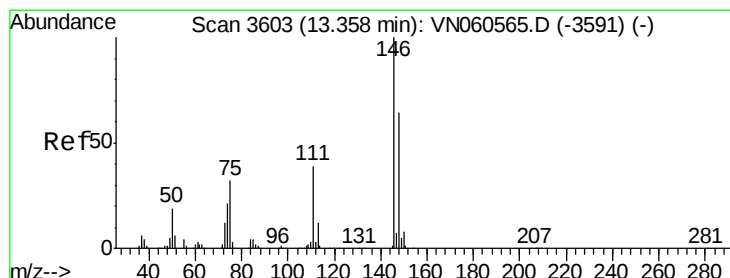
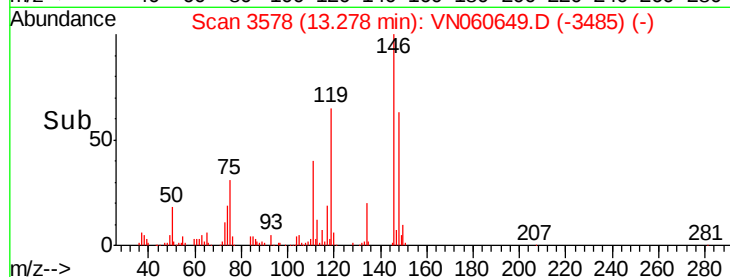
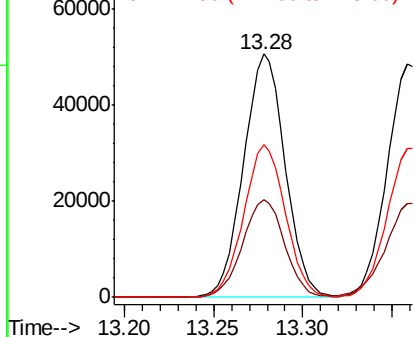
146 100

111 40.5 20.3 60.8

148 62.9 32.5 97.4



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



#88

1,4-Dichlorobenzene

Concen: 19.399 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

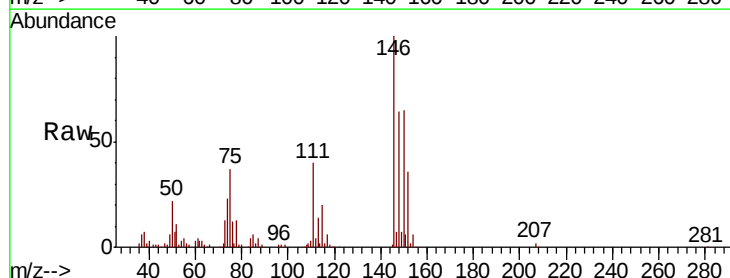
Tgt Ion:146 Resp: 81881

Ion Ratio Lower Upper

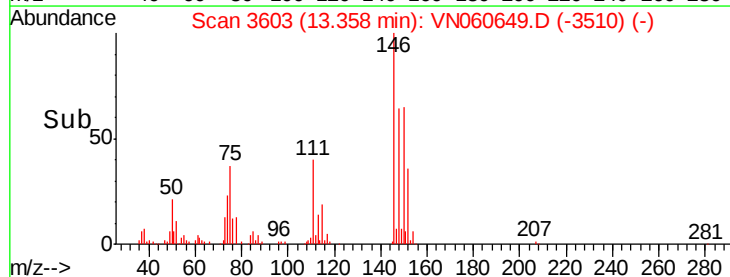
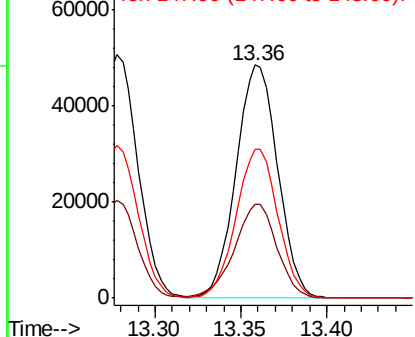
146 100

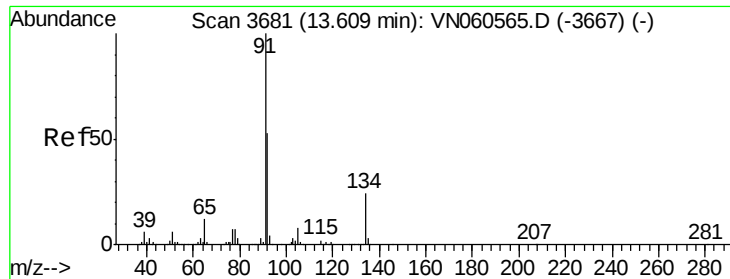
111 41.4 19.6 58.7

148 64.3 32.1 96.3



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

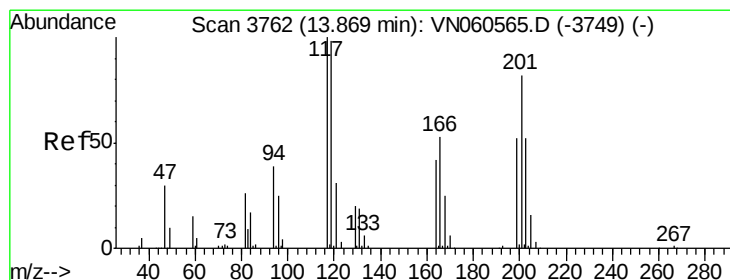
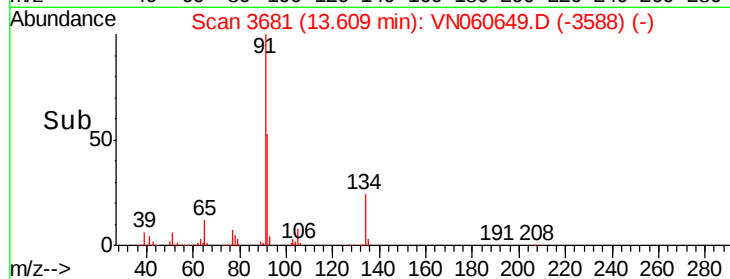
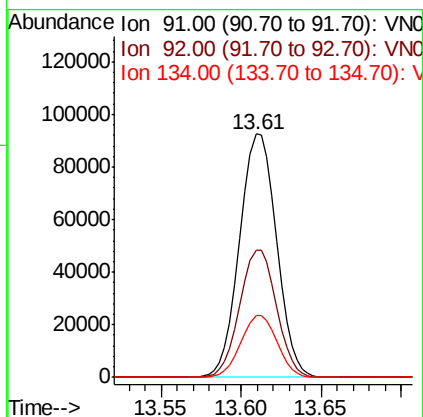
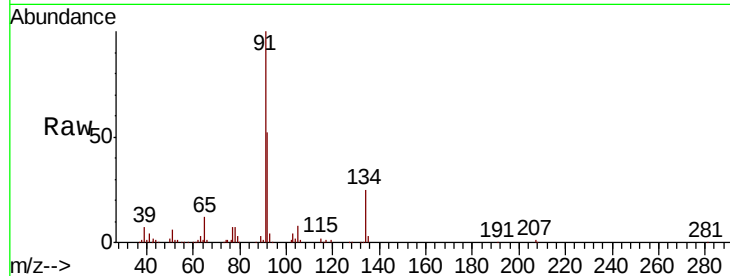




#89
n-Butylbenzene
Concen: 19.193 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

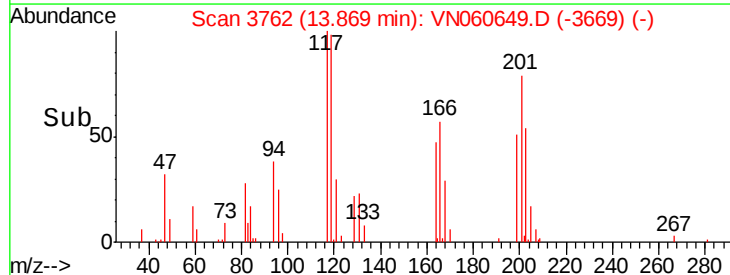
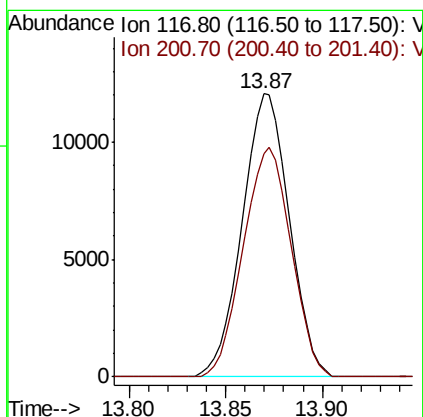
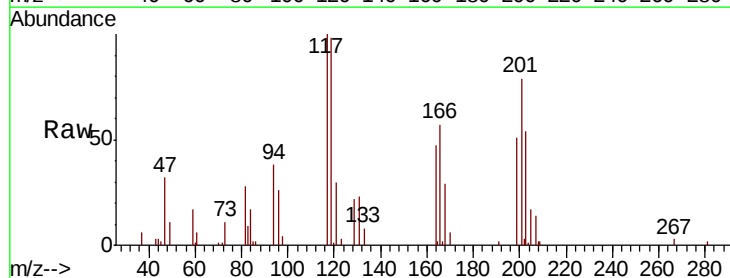
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 145713
Ion Ratio Lower Upper
91 100
92 51.9 26.2 78.5
134 25.0 12.3 36.9



#90
Hexachloroethane
Concen: 16.740 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion: 117 Resp: 20462
Ion Ratio Lower Upper
117 100
201 82.3 40.8 122.5

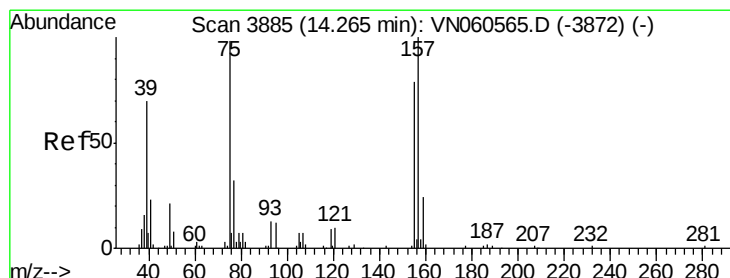
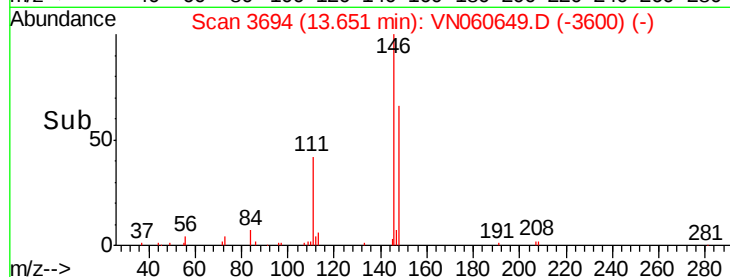
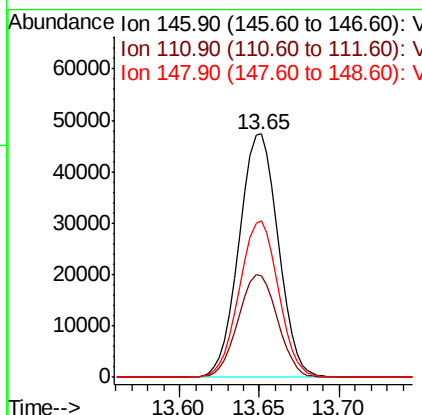
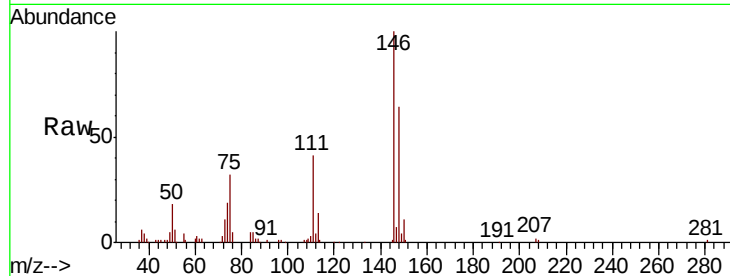




#91
 1,2-Dichlorobenzene
 Concen: 19.697 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

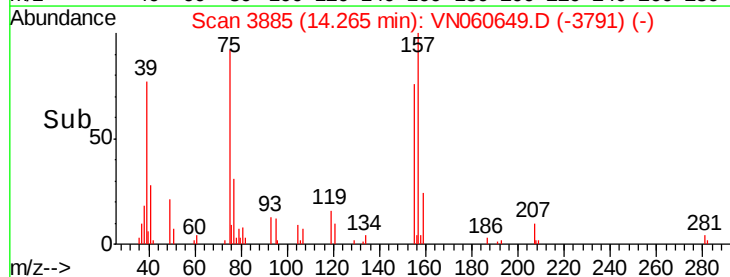
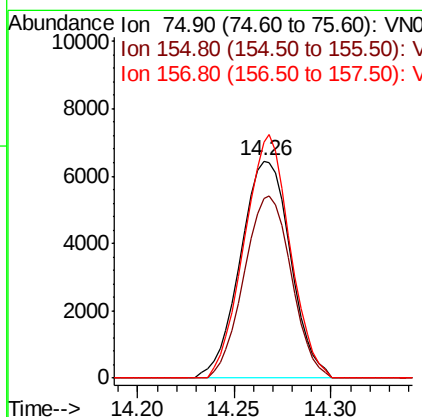
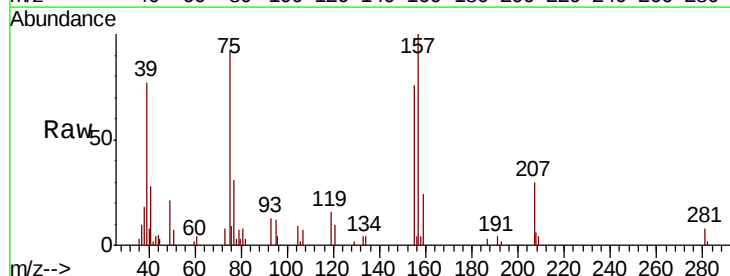
Instrument :
 MSVOA_N
 ClientSampleId :

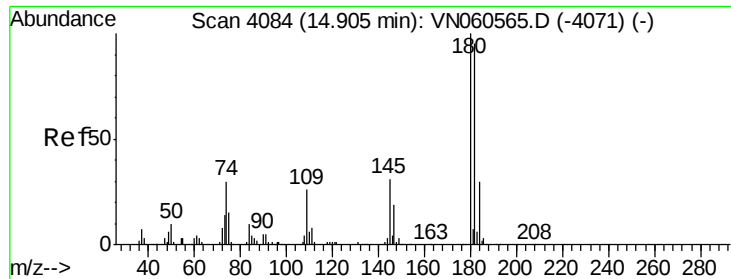
Tot Ion:146 Resp: 79126
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.0 63.0
 148 64.1 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.381 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Tgt Ion: 75 Resp: 11615
 Ion Ratio Lower Upper
 75 100
 155 79.0 40.7 122.1
 157 102.4 51.5 154.7

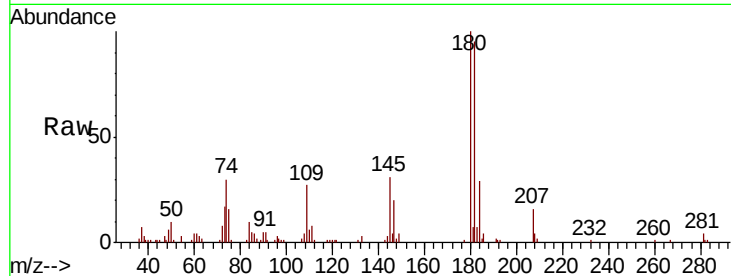




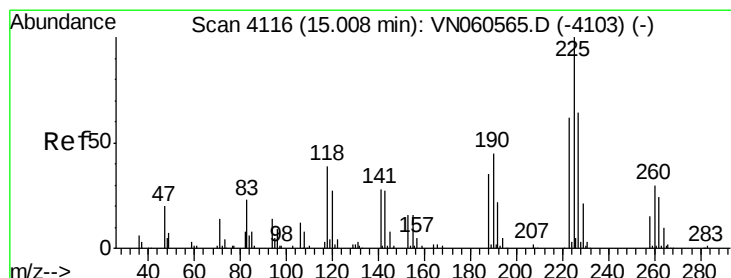
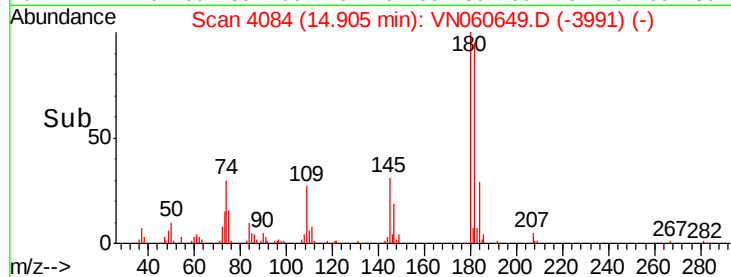
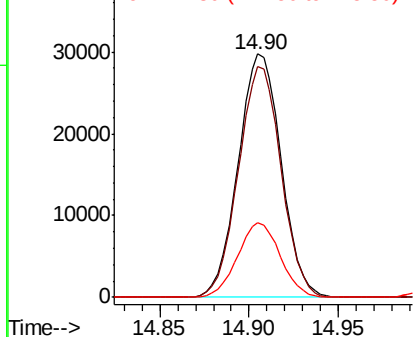
#93
 1,2,4-Trichlorobenzene
 Concen: 20.232 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 49910
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.9 143.8
 145 30.4 15.4 46.2

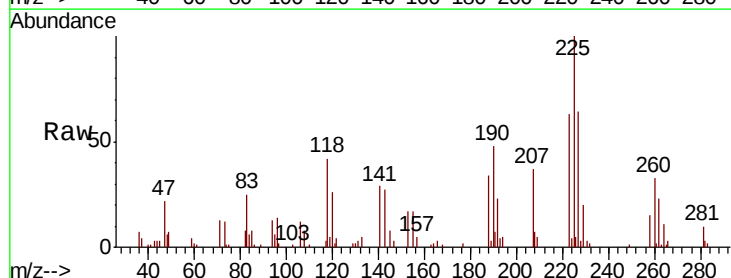


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

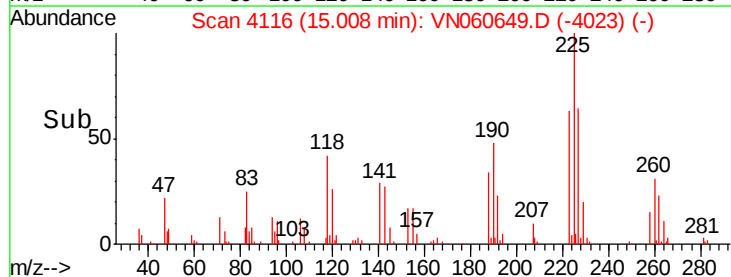
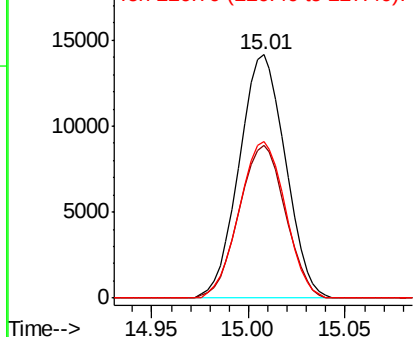


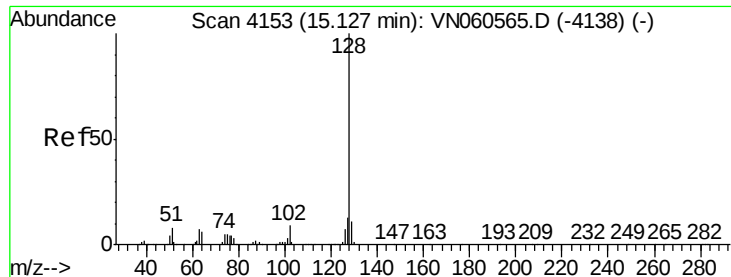
#94
 Hexachlorobutadiene
 Concen: 19.479 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Tgt Ion:225 Resp: 23557
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.6 95.0
 227 64.2 32.3 96.8



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

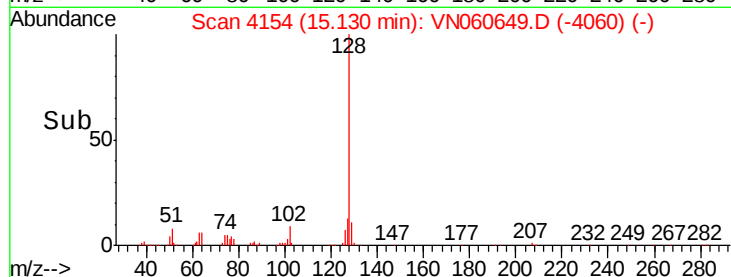
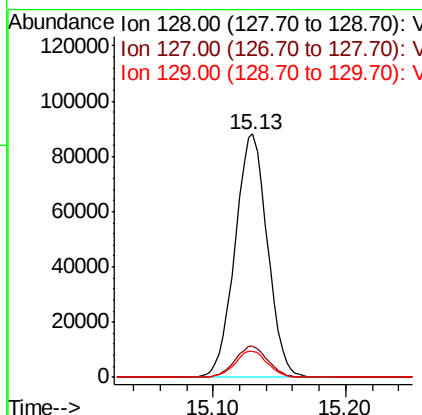
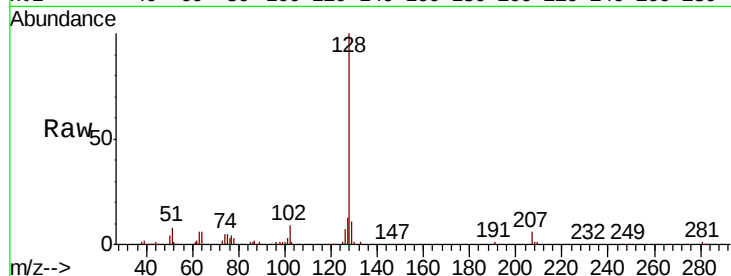




#95
Naphthalene
Concen: 20.158 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 149576
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.590 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion:180 Resp: 47602
Ion Ratio Lower Upper
180 100
182 94.3 47.5 142.6
145 32.3 16.3 48.8

