

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032020\
 Data File : VN060660.D
 Acq On : 20 Mar 2020 18:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 23:26:37 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	193195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	321376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	298070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	146365	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	125817	47.44	ug/l	0.00
Spiked Amount						
			Recovery	=	94.88%	
35) Dibromofluoromethane	7.57	113	93013	47.86	ug/l	0.00
Spiked Amount						
			Recovery	=	95.72%	
50) Toluene-d8	10.08	98	374148	47.14	ug/l	0.00
Spiked Amount						
			Recovery	=	94.28%	
62) 4-Bromofluorobenzene	12.40	95	138972	47.77	ug/l	0.00
Spiked Amount						
			Recovery	=	95.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	91902	49.163	ug/l	100
3) Chloromethane	2.04	50	158534	45.408	ug/l	99
4) Vinyl Chloride	2.16	62	127206	46.583	ug/l	99
5) Bromomethane	2.54	94	58440	49.575	ug/l	97
6) Chloroethane	2.68	64	76654	48.730	ug/l	98
7) Trichlorofluoromethane	3.00	101	162093	48.186	ug/l	96
8) Diethyl Ether	3.38	74	66369	49.113	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	96050	49.277	ug/l	100
10) Methyl Iodide	3.93	142	82546	47.592	ug/l	99
11) Tert butyl alcohol	4.73	59	92173	236.314	ug/l	100
12) 1,1-Dichloroethene	3.72	96	98351	47.020	ug/l	97
13) Acrolein	3.58	56	89287	206.547	ug/l	99
14) Allyl chloride	4.29	41	174283	47.374	ug/l	99
15) Acrylonitrile	4.94	53	287180	250.384	ug/l	99
16) Acetone	3.78	43	226264	240.850	ug/l	98
17) Carbon Disulfide	4.03	76	297073	46.699	ug/l	100
18) Methyl Acetate	4.29	43	130181	49.231	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	342652	47.647	ug/l	97
20) Methylene Chloride	4.52	84	113472	49.101	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	106888	47.947	ug/l	96
22) Diisopropyl ether	5.91	45	387266	49.827	ug/l	99
23) Vinyl Acetate	5.86	43	1615650	254.773	ug/l	99
24) 1,1-Dichloroethane	5.82	63	209181	49.370	ug/l	99
25) 2-Butanone	6.80	43	375072	246.730	ug/l	100
26) 2,2-Dichloropropane	6.80	77	163531	49.054	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	122961	48.537	ug/l	100
28) Bromochloromethane	7.17	49	100192	49.424	ug/l	100
29) Tetrahydrofuran	7.18	42	259252	241.034	ug/l	99
30) Chloroform	7.35	83	199904	49.215	ug/l	100
31) Cyclohexane	7.63	56	196843	46.082	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	170594	48.718	ug/l	99
36) 1,1-Dichloropropene	7.77	75	152945	49.148	ug/l	99
37) Ethyl Acetate	6.90	43	161896	48.148	ug/l	99
38) Carbon Tetrachloride	7.75	117	139430	49.992	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	181959	49.203	ug/l	99
40) Benzene	8.02	78	463771	49.368	ug/l	100
41) Methacrylonitrile	7.18	41	232349	161.914	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	161590	50.332	ug/l	100
43) Isopropyl Acetate	8.14	43	274002	49.411	ug/l	100
44) Trichloroethene	8.82	130	117458	49.599	ug/l	100
45) 1,2-Dichloropropane	9.10	63	124823	50.356	ug/l	98
46) Dibromomethane	9.19	93	77041	51.409	ug/l	99
47) Bromodichloromethane	9.39	83	158606	50.932	ug/l	98
48) Methyl methacrylate	9.18	41	124442	50.402	ug/l	100
49) 1,4-Dioxane	9.18	88	32173	1096.311	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	803999	254.787	ug/l	100
52) Toluene	10.14	92	282848	49.855	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	182769	51.095	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	194653	49.603	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	108782	49.840	ug/l	99
56) Ethyl methacrylate	10.42	69	176860	51.968	ug/l	99
57) 1,3-Dichloropropane	10.70	76	190922	50.408	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	427529	252.759	ug/l	100
59) 2-Hexanone	10.74	43	583013	256.481	ug/l	100
60) Dibromochloromethane	10.89	129	116406	51.631	ug/l	100
61) 1,2-Dibromoethane	11.00	107	111530	50.817	ug/l	100
64) Tetrachloroethene	10.62	164	112321	47.887	ug/l	99
65) Chlorobenzene	11.43	112	288979	48.905	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	106307	49.689	ug/l	98
67) Ethyl Benzene	11.50	91	543755	49.484	ug/l	99
68) m/p-Xylenes	11.62	106	400868	98.170	ug/l	99
69) o-Xylene	11.94	106	192796	49.459	ug/l	99
70) Styrene	11.96	104	322405	50.571	ug/l	100
71) Bromoform	12.12	173	84102	47.388	ug/l #	100
73) Isopropylbenzene	12.25	105	513802	46.777	ug/l	99
74) N-amyl acetate	12.06	43	245073	48.284	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	159826	48.116	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	214183	67.817	ug/l #	100
77) Bromobenzene	12.52	156	123737	46.750	ug/l	99
78) n-propylbenzene	12.59	91	611865	47.150	ug/l	99
79) 2-Chlorotoluene	12.67	91	358005	46.172	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	437084	46.890	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	56432	45.891	ug/l	97
82) 4-Chlorotoluene	12.77	91	374129	47.375	ug/l	99
83) tert-Butylbenzene	12.99	119	357962	46.325	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	436679	47.353	ug/l	99
85) sec-Butylbenzene	13.17	105	490856	47.240	ug/l	100
86) p-Isopropyltoluene	13.28	119	442893	47.400	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	222151	47.589	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	223571	47.669	ug/l	100
89) n-Butylbenzene	13.61	91	404539	47.954	ug/l	100
90) Hexachloroethane	13.87	117	61488	45.272	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	214626	48.083	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32426	46.588	ug/l	98

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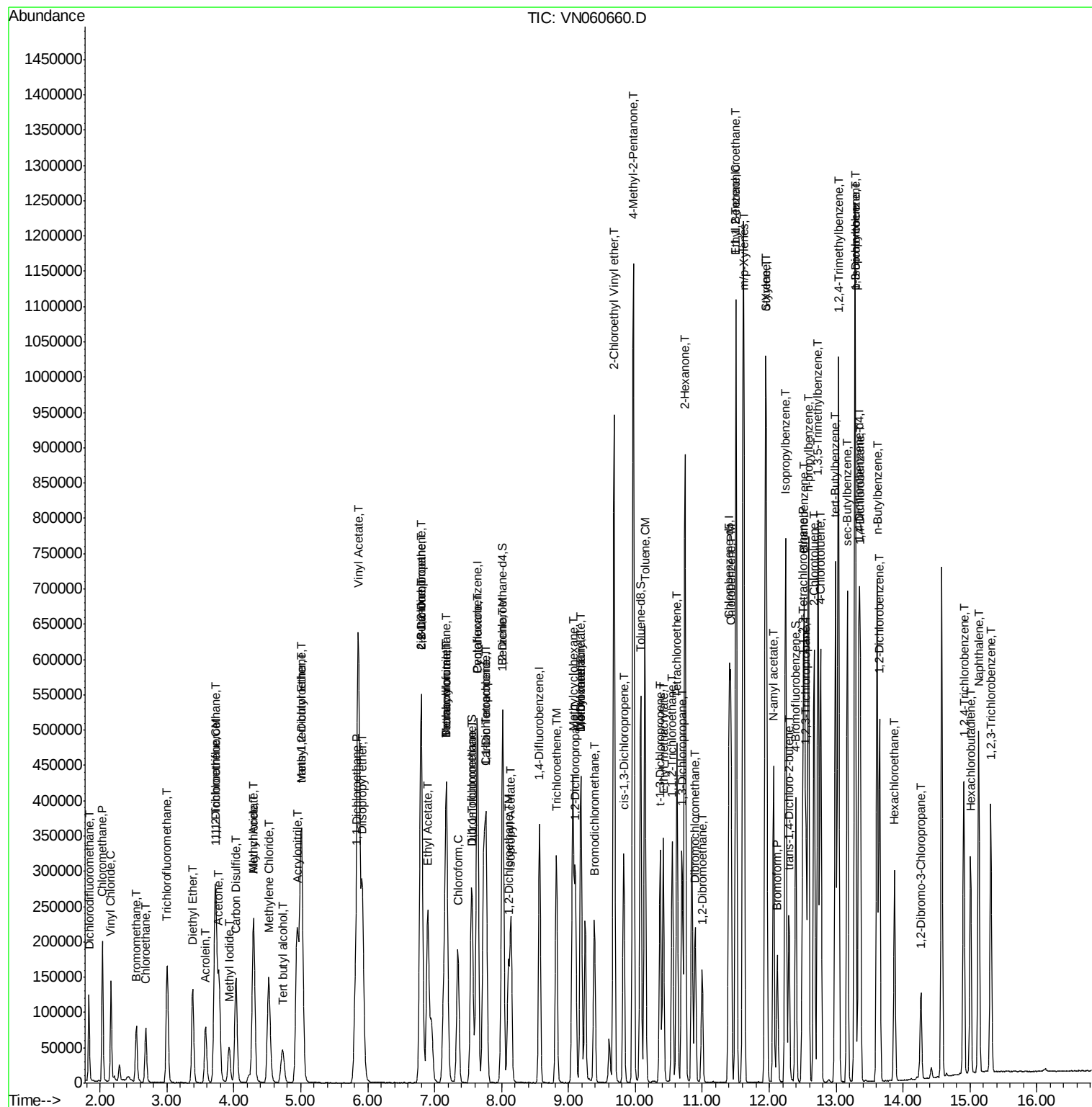
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	134807	49.180	ug/l	99
94) Hexachlorobutadiene	15.01	225	60641	45.128	ug/l	99
95) Naphthalene	15.13	128	406340	49.285	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	127633	47.273	ug/l	99

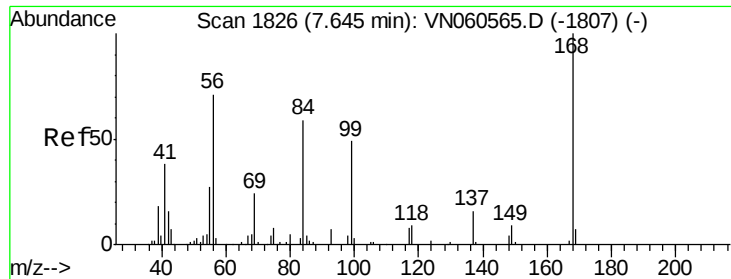
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

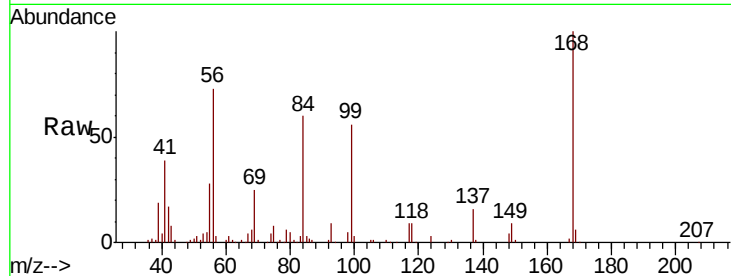
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 193195

Ion Ratio Lower Upper

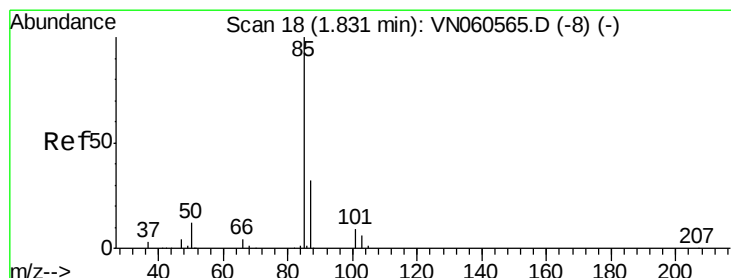
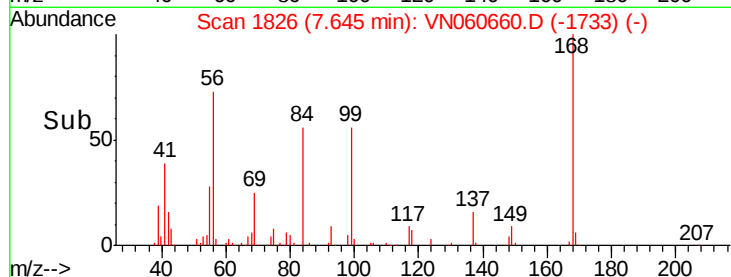
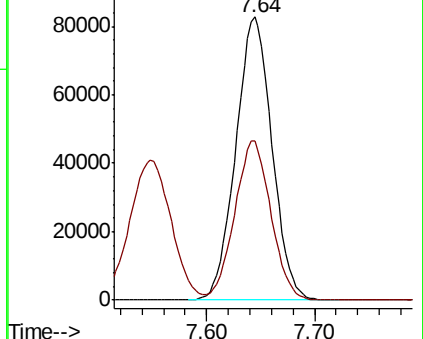
168 100

99 56.1 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.163 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060660.D

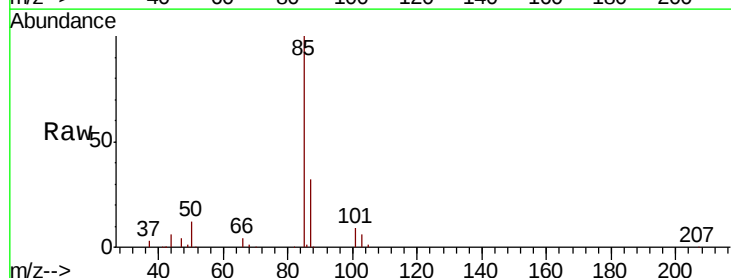
Acq: 20 Mar 2020 18:04

Tgt Ion: 85 Resp: 91902

Ion Ratio Lower Upper

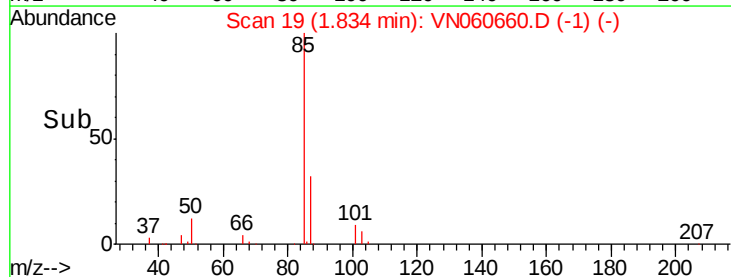
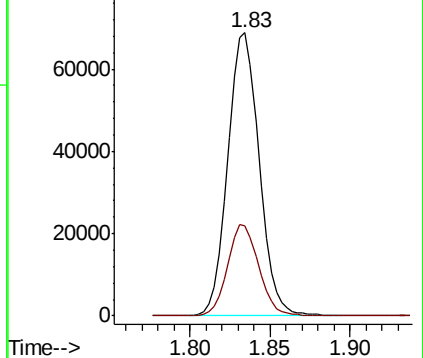
85 100

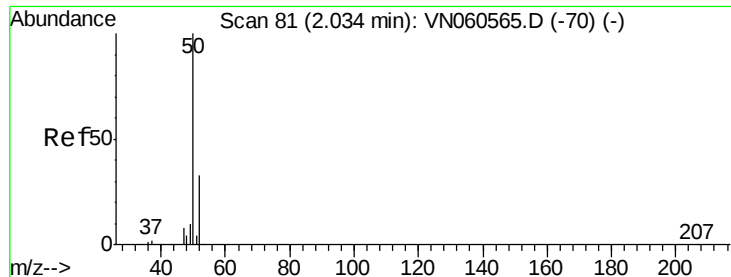
87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.408 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Instrument :

MSVOA_N

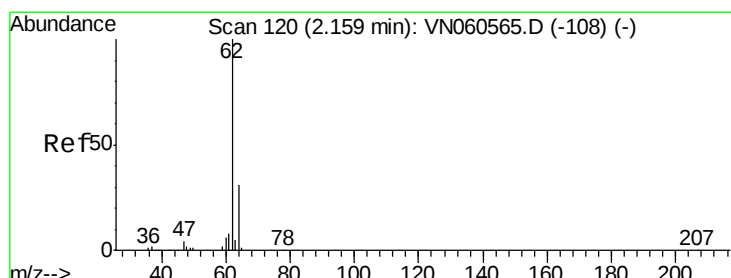
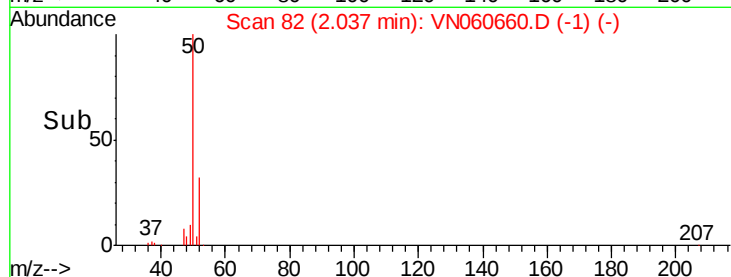
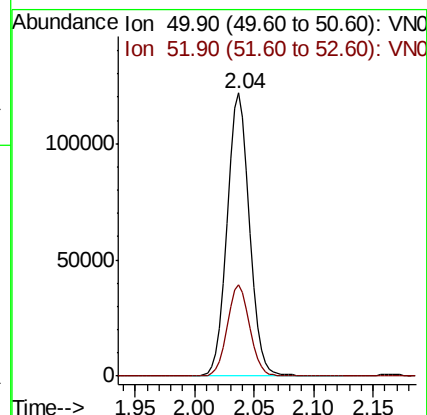
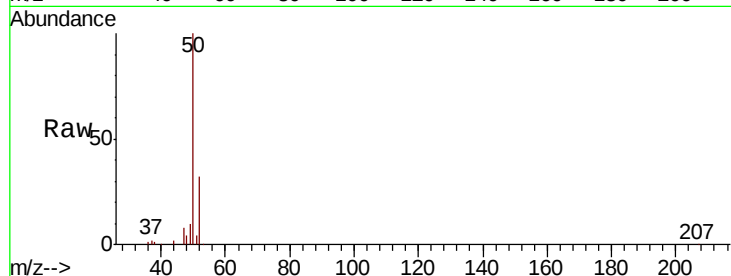
ClientSampled :

Tot Ion: 50 Resp: 158534

Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.2



#4

Vinyl Chloride

Concen: 46.583 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060660.D

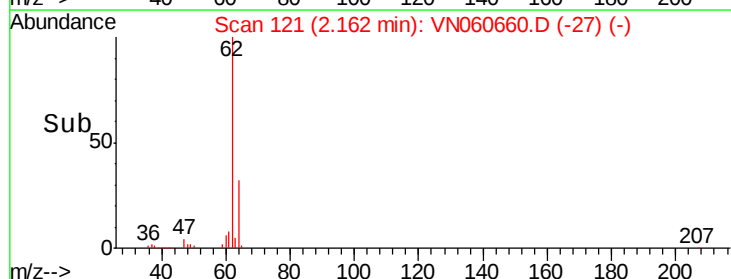
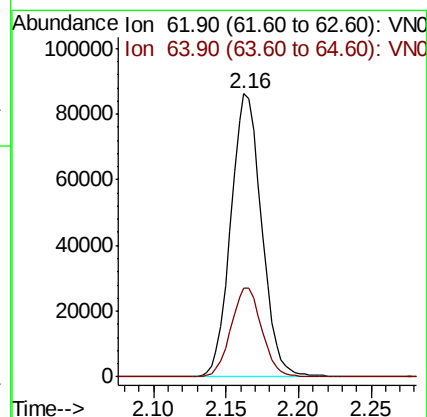
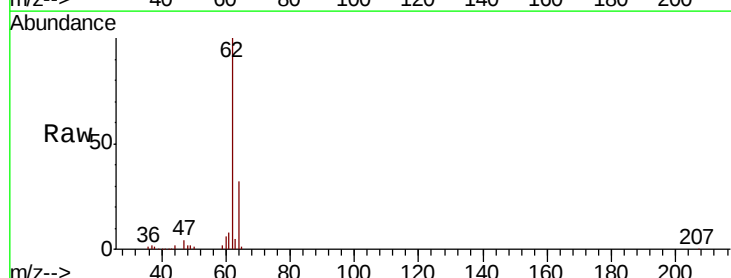
Acq: 20 Mar 2020 18:04

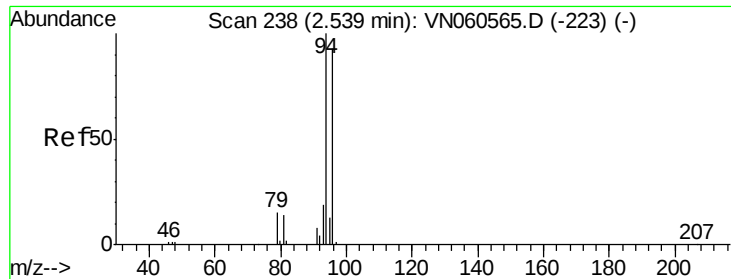
Tgt Ion: 62 Resp: 127206

Ion Ratio Lower Upper

62 100

64 31.5 24.7 37.1





#5

Bromomethane

Concen: 49.575 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Instrument :

MSVOA_N

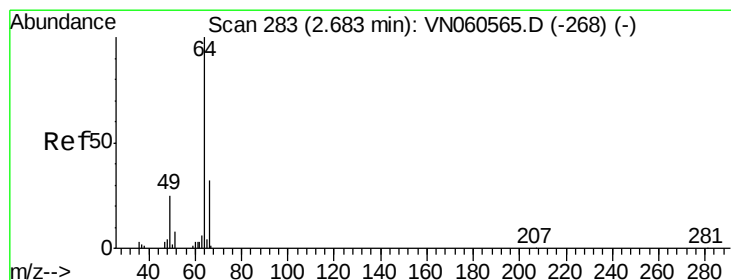
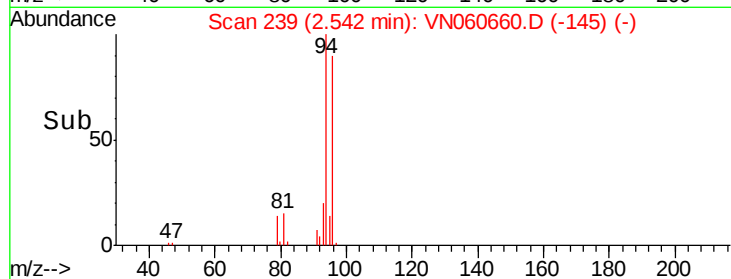
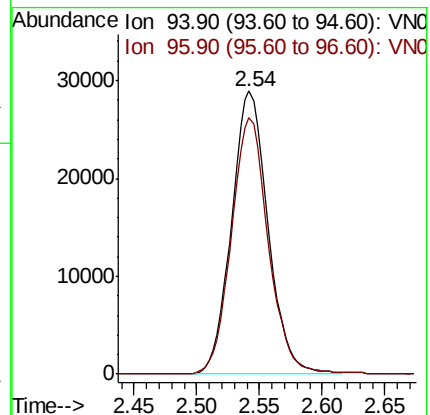
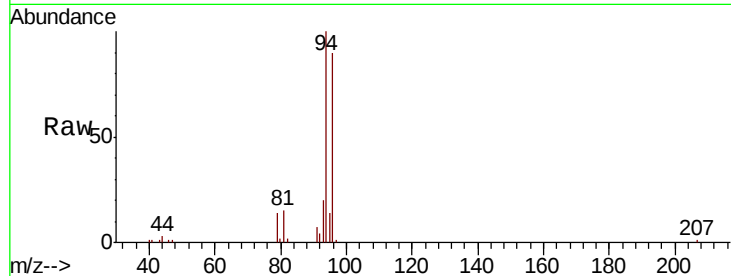
ClientSampleId :

Tot Ion: 94 Resp: 58440

Ion Ratio Lower Upper

94 100

96 90.4 74.6 112.0



#6

Chloroethane

Concen: 48.730 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060660.D

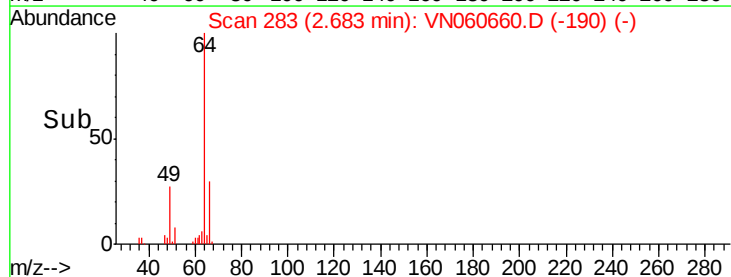
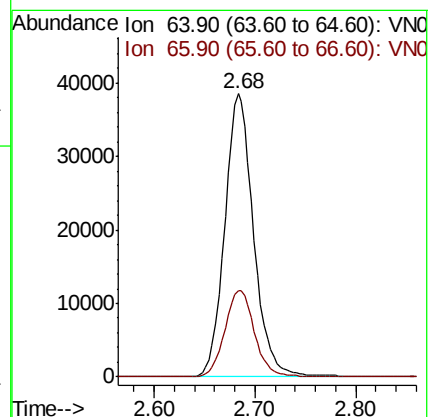
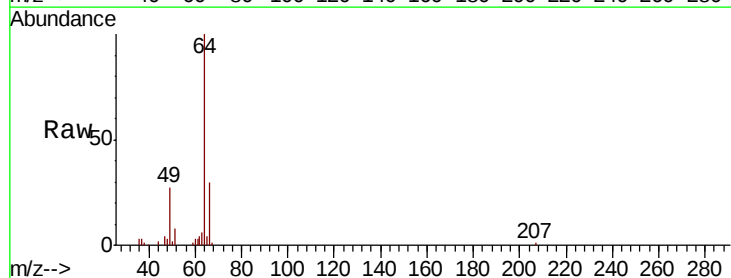
Acq: 20 Mar 2020 18:04

Tgt Ion: 64 Resp: 76654

Ion Ratio Lower Upper

64 100

66 30.4 25.3 37.9



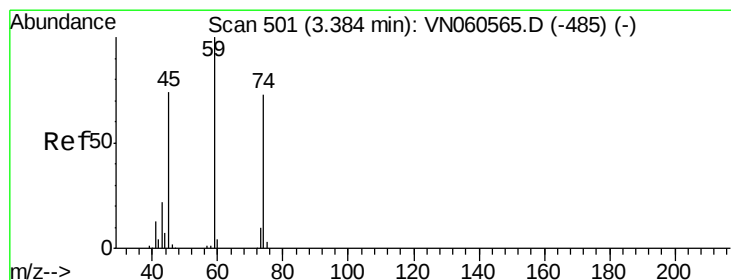
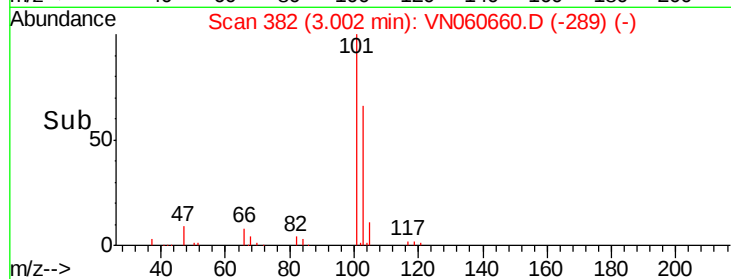
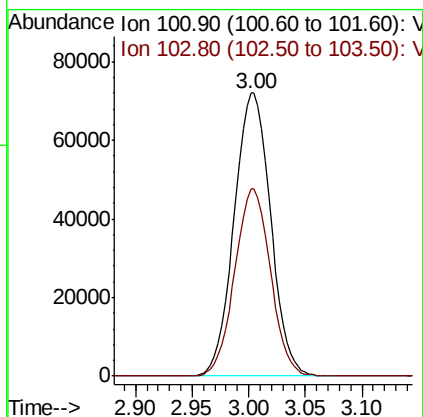
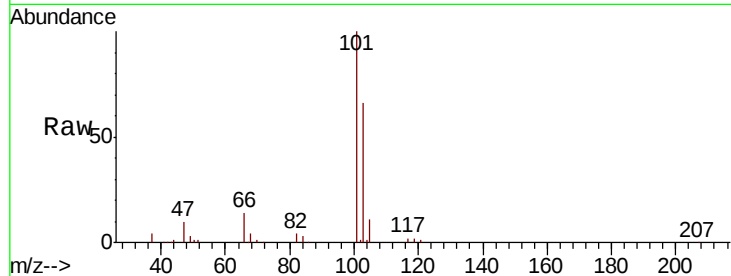


#7

Trichlorofluoromethane
 Concen: 48.186 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060660.D
 Acq: 20 Mar 2020 18:04

Instrument :
 MSVOA_N
 ClientSampleId :

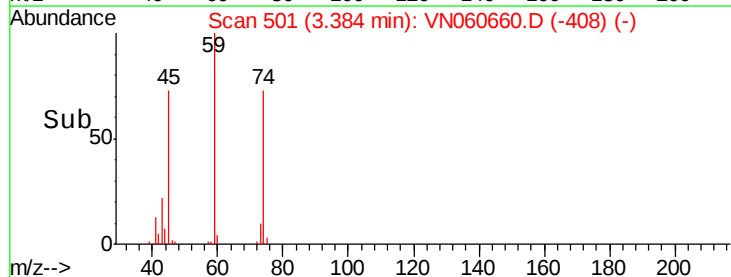
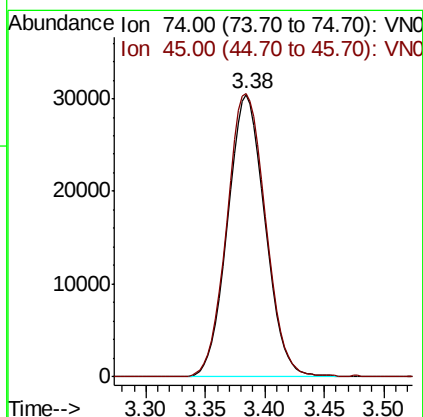
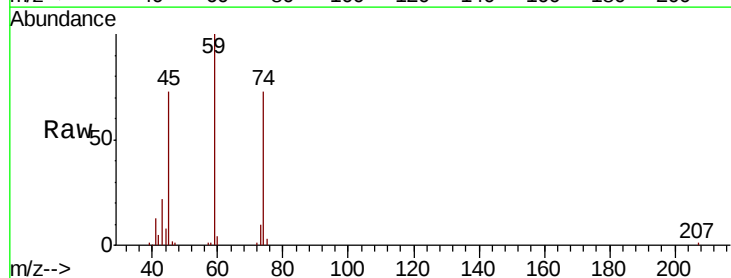
Tot Ion:101 Resp: 162093
 Ion Ratio Lower Upper
 101 100
 103 66.1 50.6 76.0



#8

Diethyl Ether
 Concen: 49.113 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060660.D
 Acq: 20 Mar 2020 18:04

Tgt Ion: 74 Resp: 66369
 Ion Ratio Lower Upper
 74 100
 45 104.2 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.277 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Instrument :

MSVOA_N

ClientSampleId :

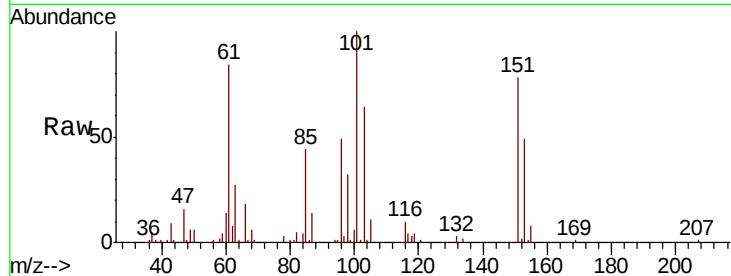
Tot Ion:101 Resp: 96050

Ion Ratio Lower Upper

101 100

85 44.1 35.6 53.4

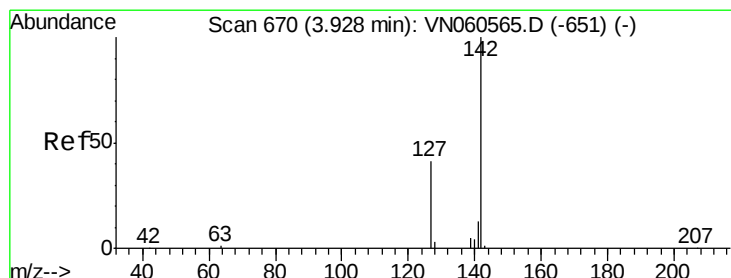
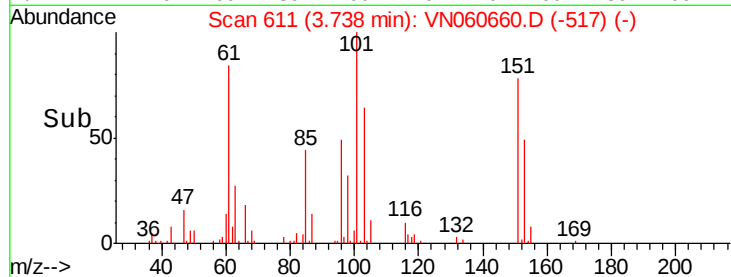
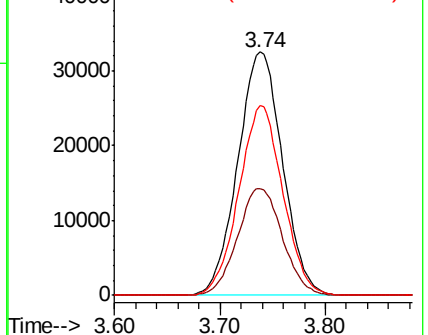
151 76.7 61.4 92.2



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: 47.592 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

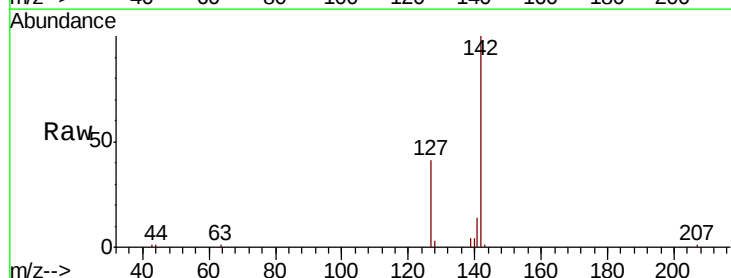
Tgt Ion:142 Resp: 82546

Ion Ratio Lower Upper

142 100

127 41.4 33.5 50.3

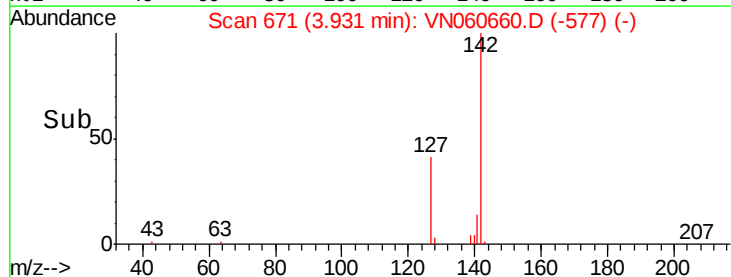
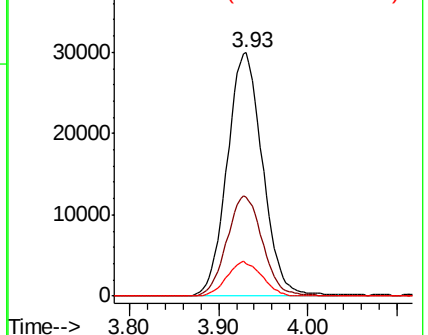
141 13.9 11.0 16.6

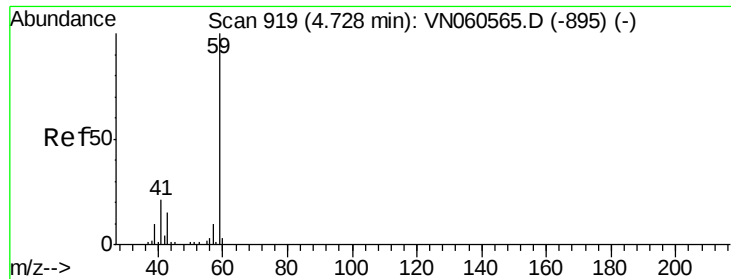


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

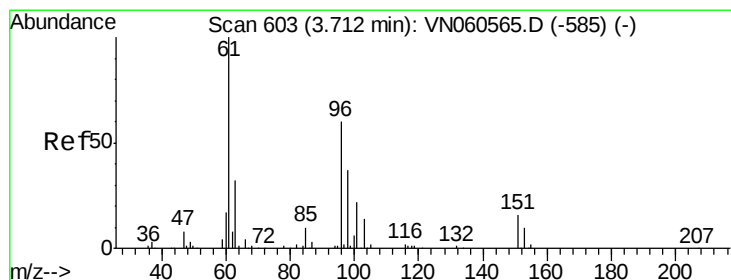
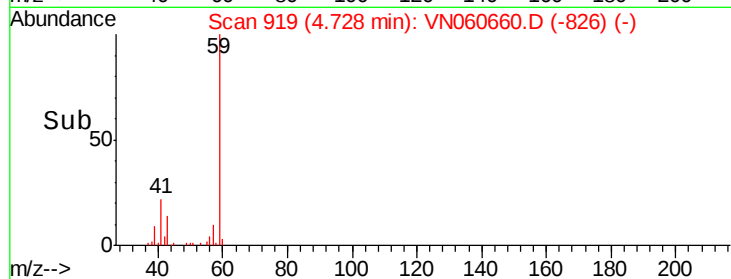
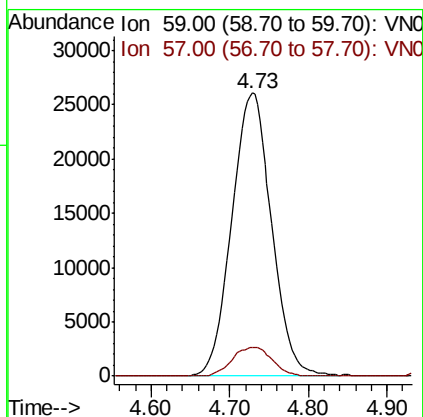
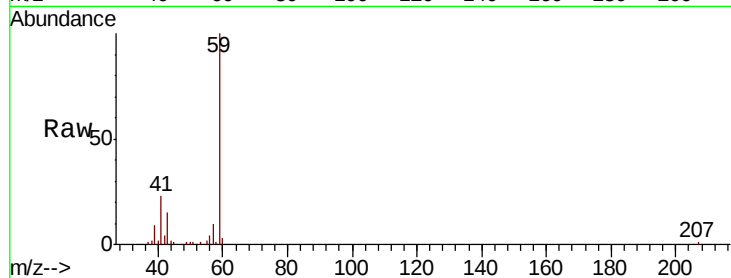




#11
Tert butyl alcohol
Concen: 236.314 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

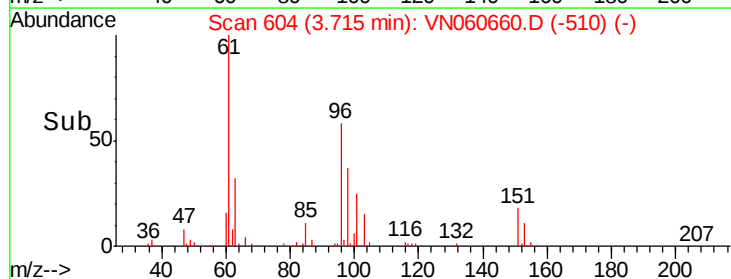
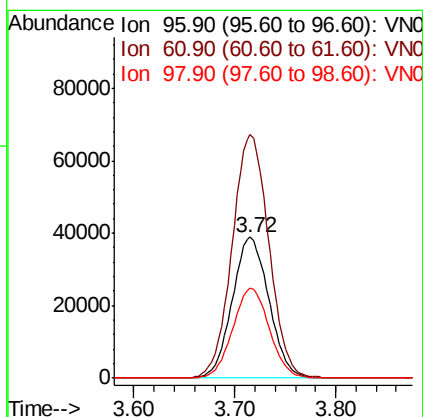
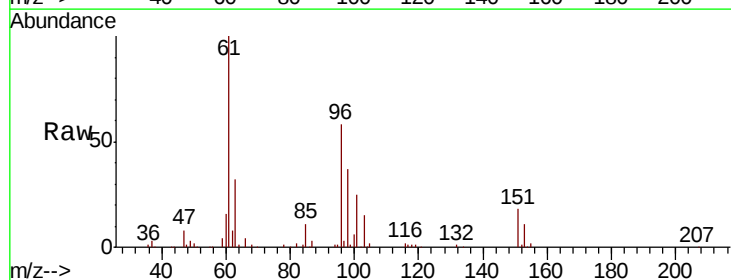
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 59 Resp: 92173
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4



#12
1,1-Dichloroethene
Concen: 47.020 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

Tgt Ion: 96 Resp: 98351
Ion Ratio Lower Upper
96 100
61 173.0 134.1 201.1
98 63.5 49.9 74.9





#13

Acrolein

Concen: 206.547 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Instrument :

MSVOA_N

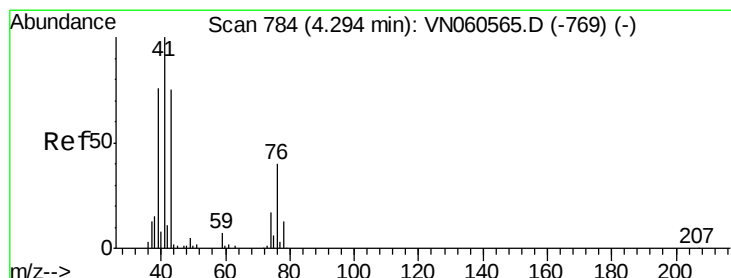
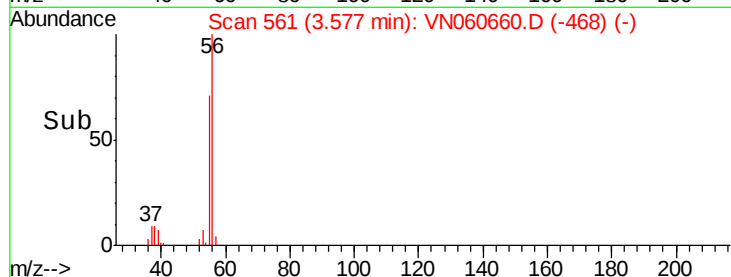
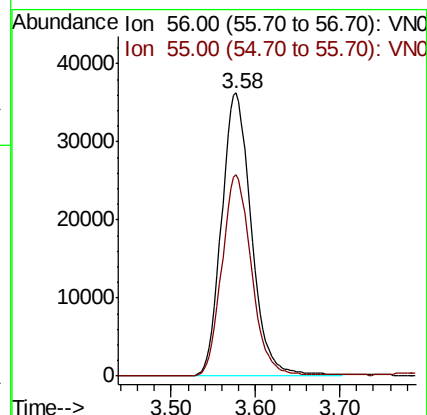
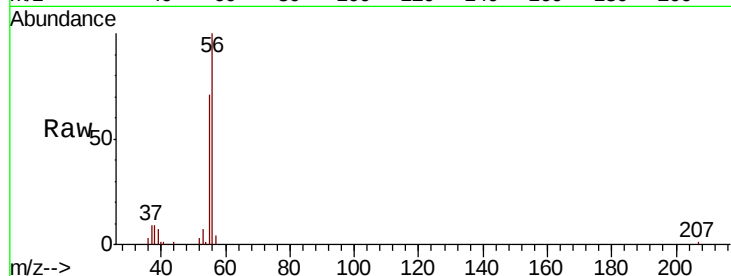
ClientSampled :

Tot Ion: 56 Resp: 89287

Ion Ratio Lower Upper

56 100

55 70.5 56.7 85.1



#14

Allyl chloride

Concen: 47.374 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

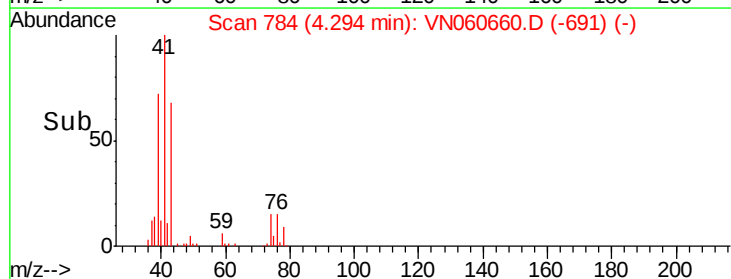
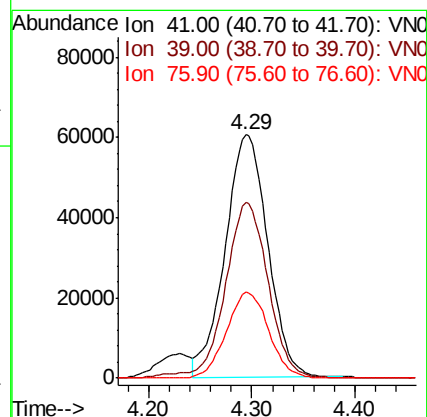
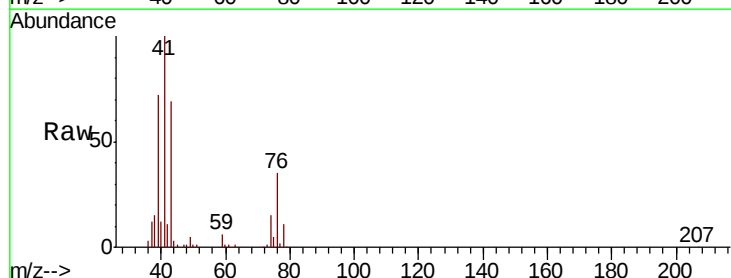
Tgt Ion: 41 Resp: 174283

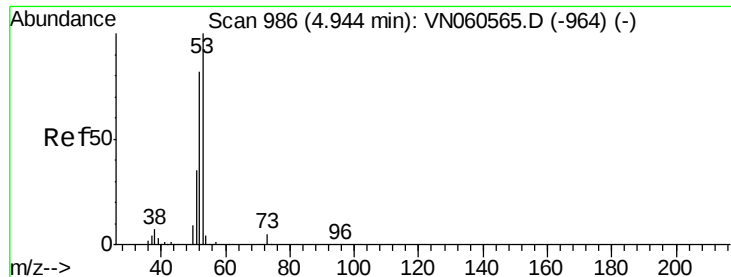
Ion Ratio Lower Upper

41 100

39 72.9 57.8 86.8

76 35.1 28.6 43.0





#15

Acrylonitrile

Concen: 250.384 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Instrument :

MSVOA_N

ClientSampled :

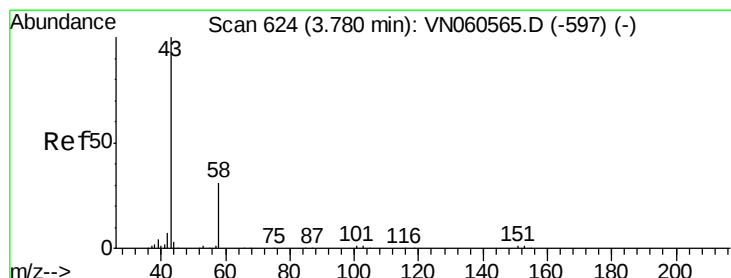
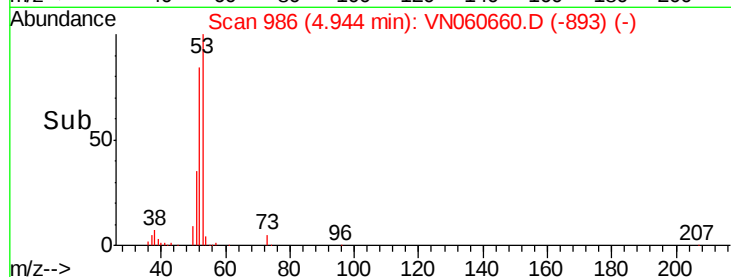
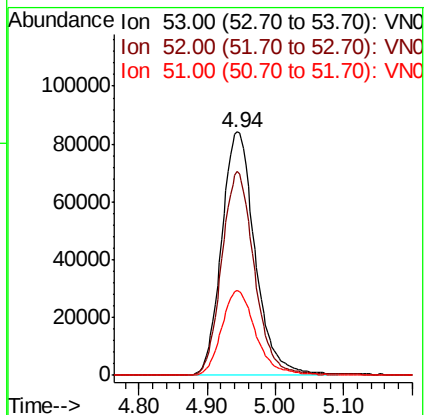
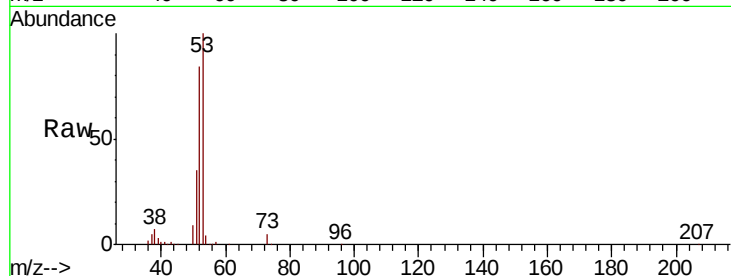
Tot Ion: 53 Resp: 287180

Ion Ratio Lower Upper

53 100

52 81.7 66.2 99.4

51 35.5 28.7 43.1



#16

Acetone

Concen: 240.850 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060660.D

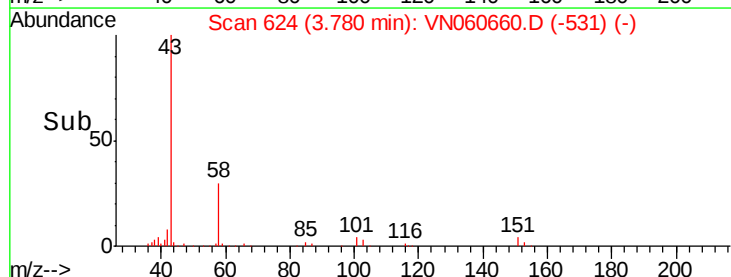
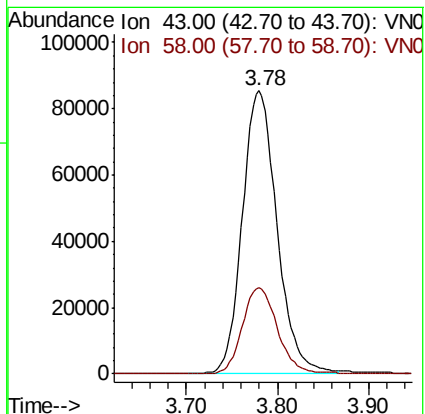
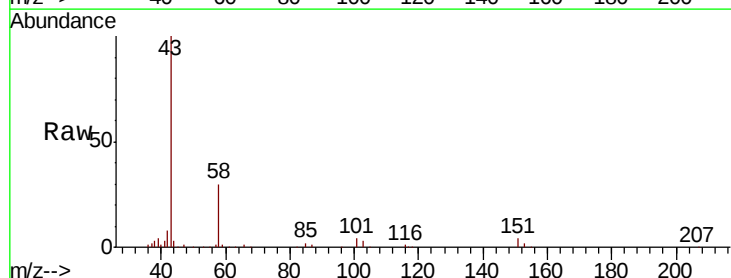
Acq: 20 Mar 2020 18:04

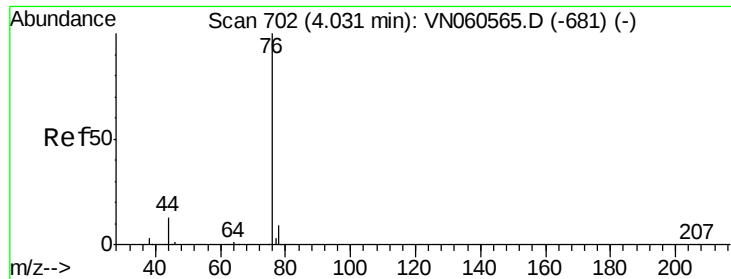
Tgt Ion: 43 Resp: 226264

Ion Ratio Lower Upper

43 100

58 30.5 25.1 37.7

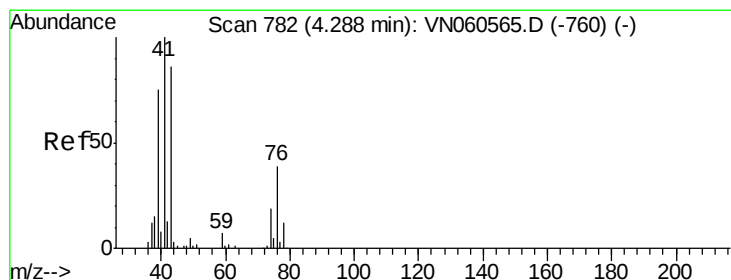
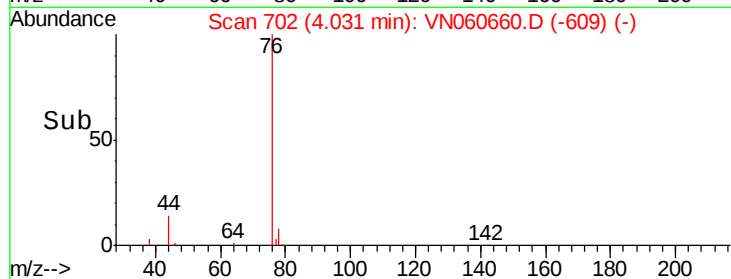
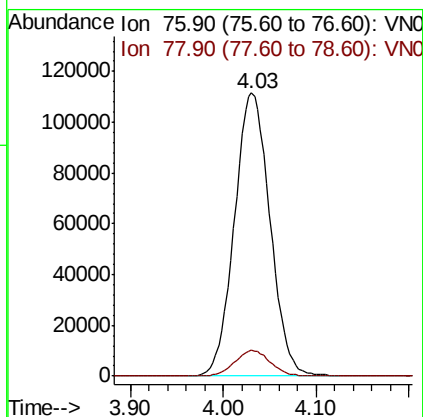
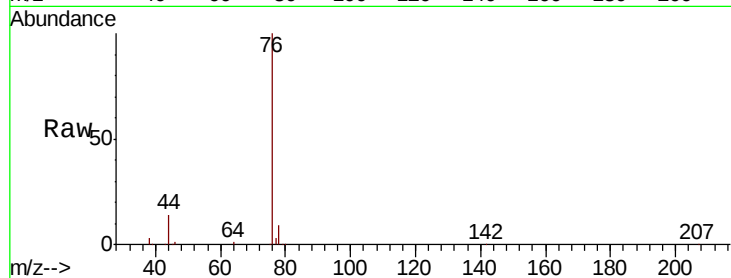




#17
Carbon Disulfide
Concen: 46.699 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

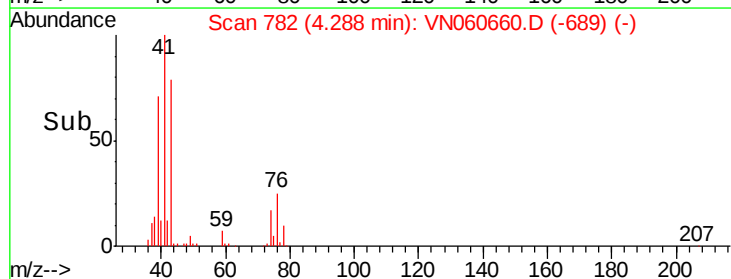
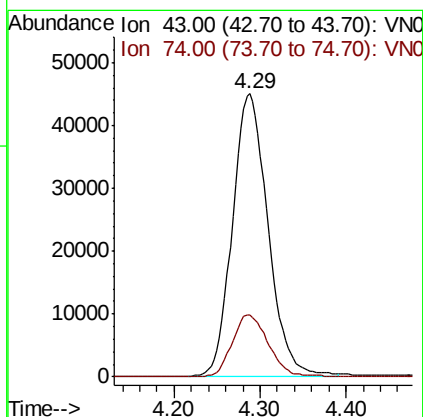
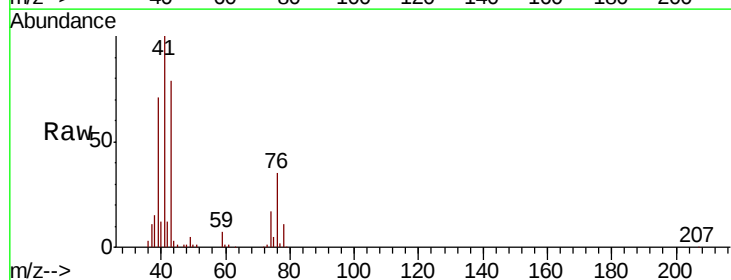
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 76 Resp: 297073
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 49.231 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

Tgt Ion: 43 Resp: 130181
Ion Ratio Lower Upper
43 100
74 21.9 17.5 26.3

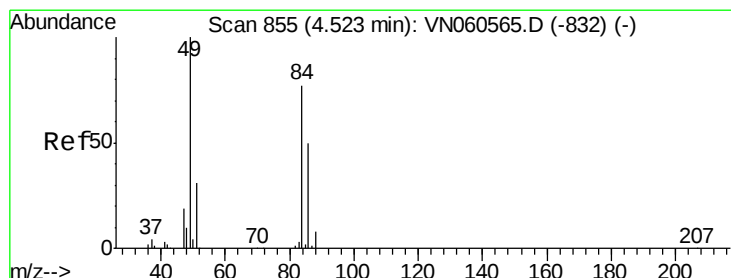
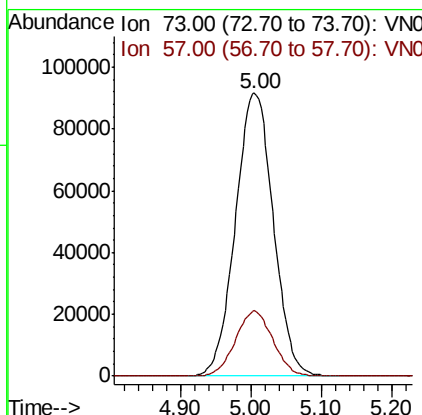
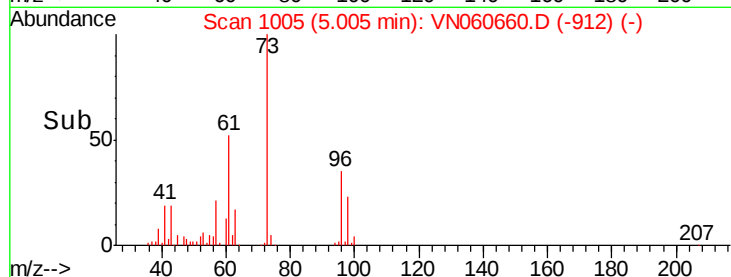
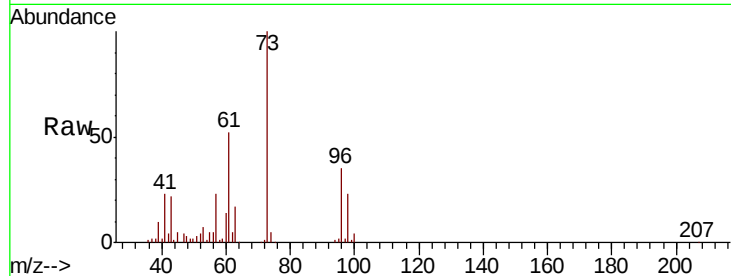




#19
Methvl tert-butvl Ether
Concen: 47.647 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

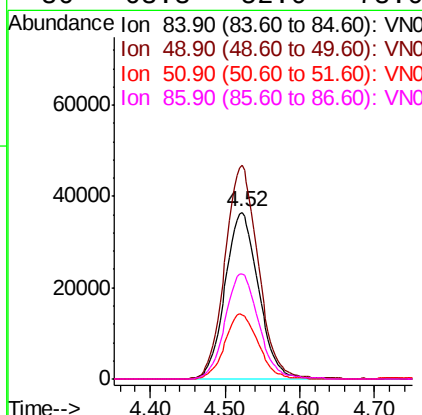
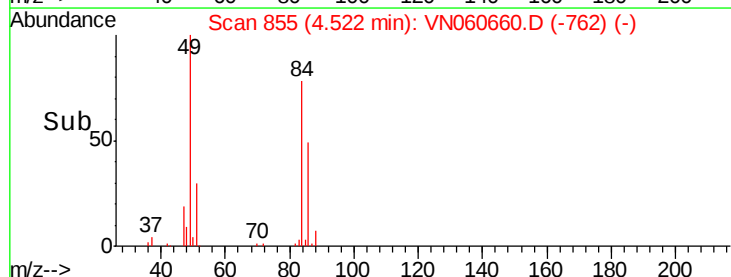
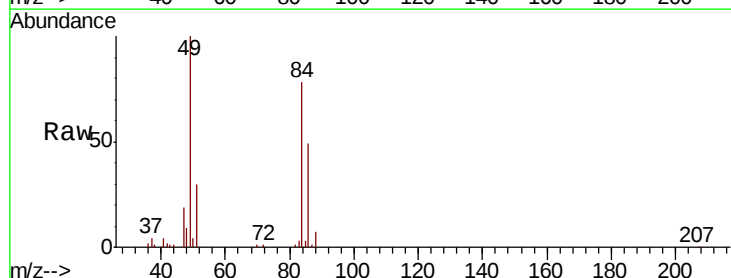
Instrument :
MSVOA_N
ClientSampled :

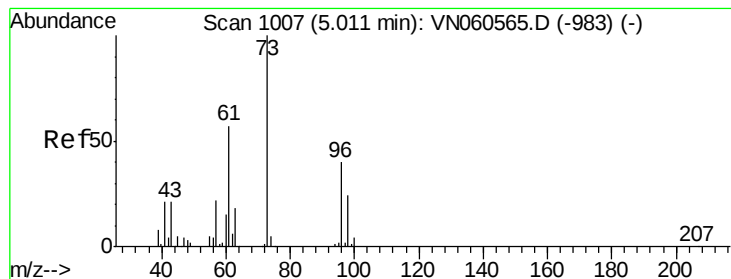
Tot Ion: 73 Resp: 342652
Ion Ratio Lower Upper
73 100
57 23.2 17.5 26.3



#20
Methylene Chloride
Concen: 49.101 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

Tgt Ion: 84 Resp: 113472
Ion Ratio Lower Upper
84 100
49 128.2 103.3 154.9
51 38.3 31.6 47.4
86 63.3 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 47.947 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Instrument :

MSVOA_N

ClientSampleId :

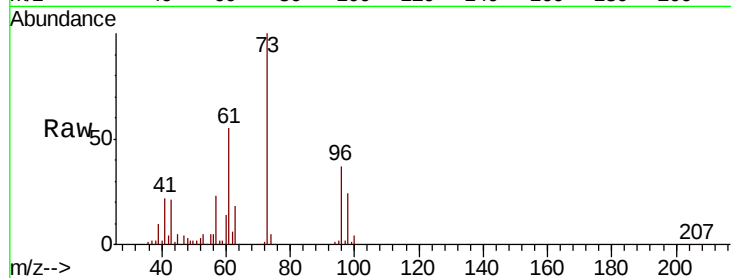
Tot Ion: 96 Resp: 106888

Ion Ratio Lower Upper

96 100

61 147.9 114.4 171.6

98 63.8 48.4 72.6

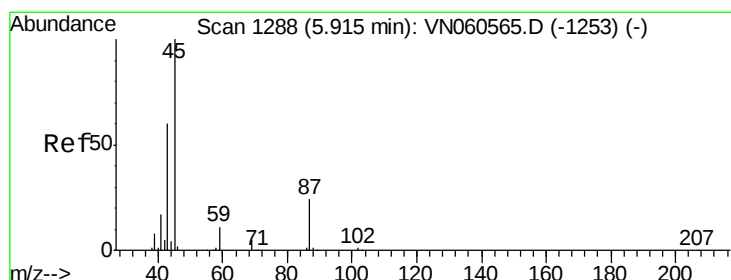
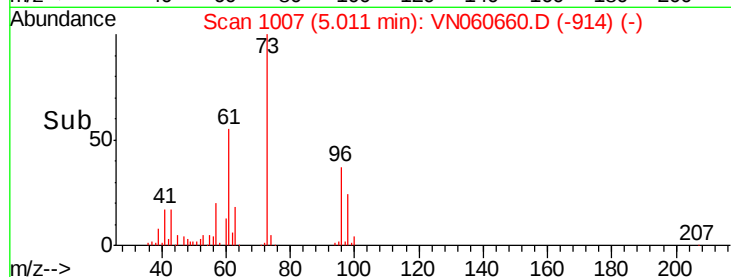
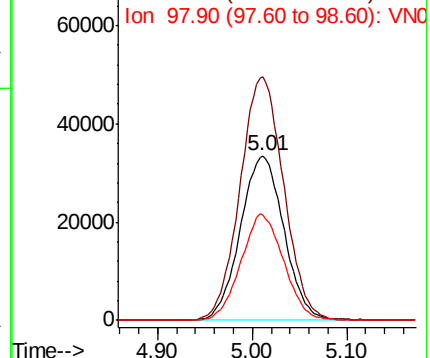


Abundance

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: 49.827 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Tgt Ion: 45 Resp: 387266

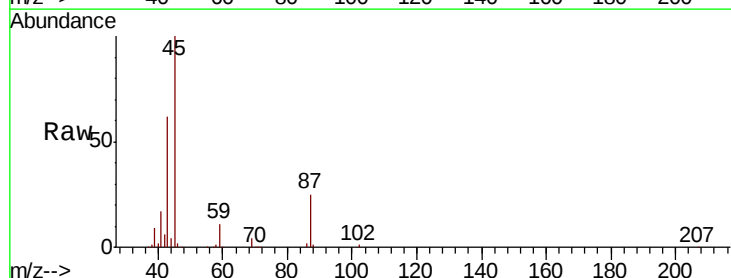
Ion Ratio Lower Upper

45 100

43 61.7 49.8 74.8

87 25.4 20.1 30.1

59 11.4 9.2 13.8



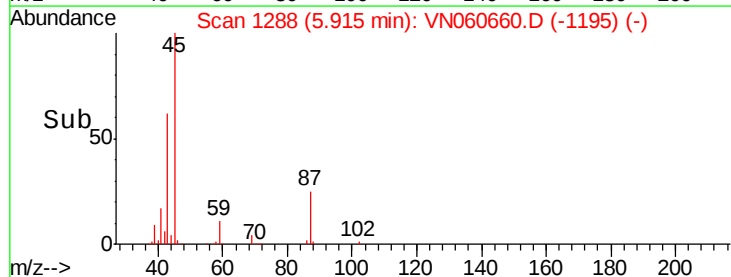
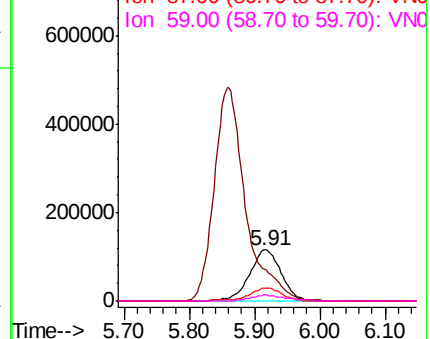
Abundance

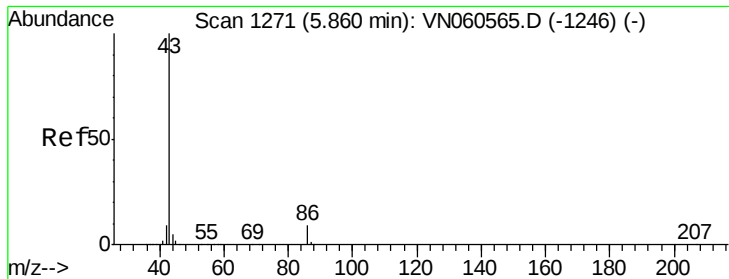
Ion 45.00 (44.70 to 45.70): VN0

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: 254.773 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

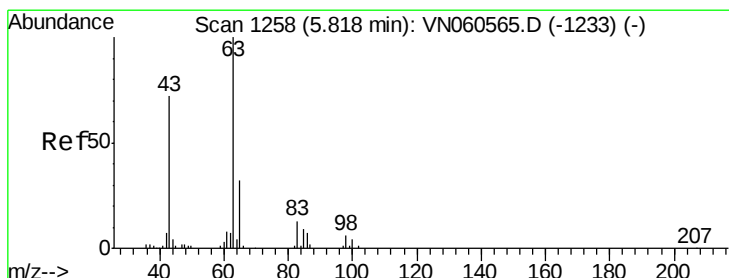
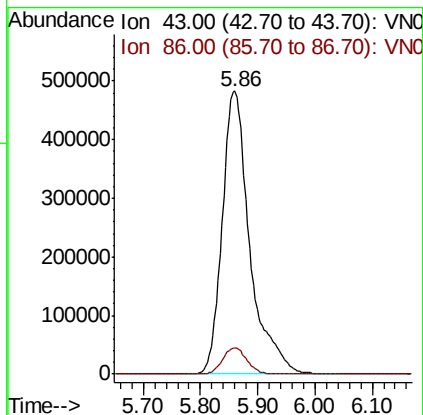
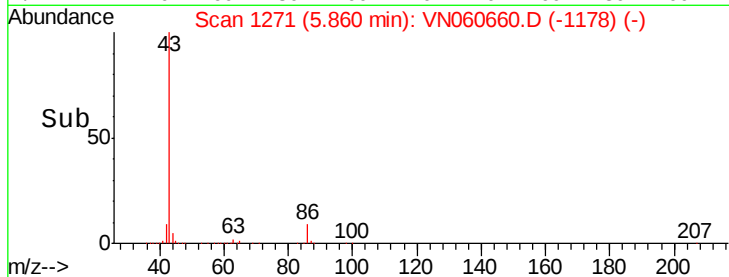
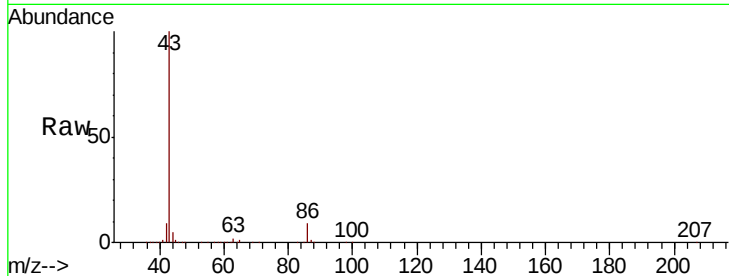
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1615650

Ion Ratio Lower Upper

43 100

86 9.3 7.6 11.4



#24

1,1-Dichloroethane

Concen: 49.370 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

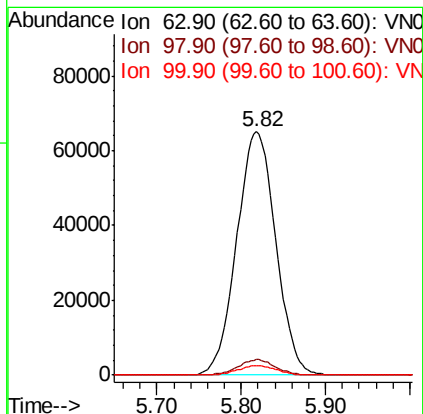
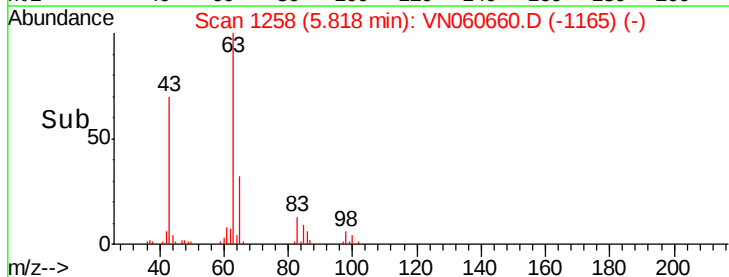
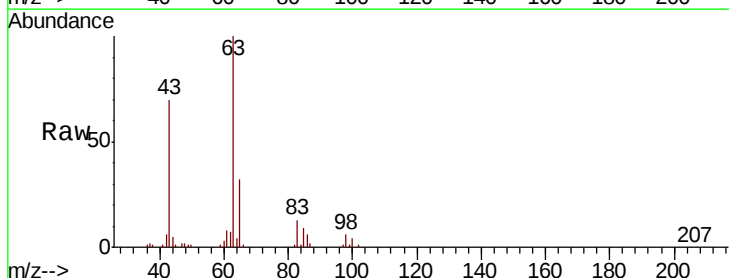
Tgt Ion: 63 Resp: 209181

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.7

100 4.0 1.8 5.5





#25

2-Butanone

Concen: 246.730 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Instrument :

MSVOA_N

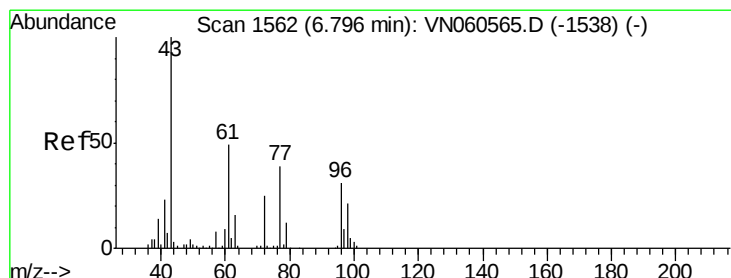
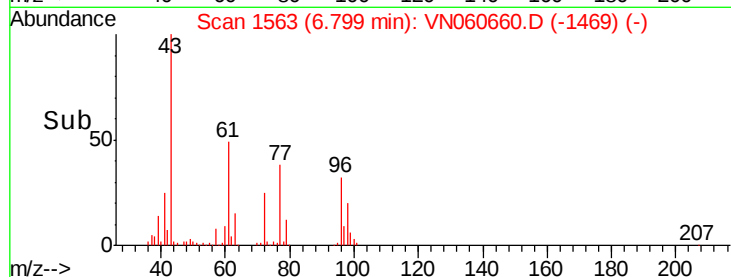
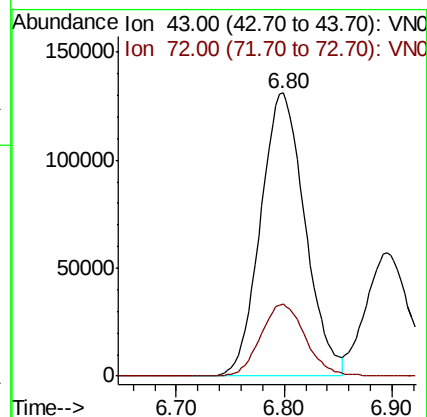
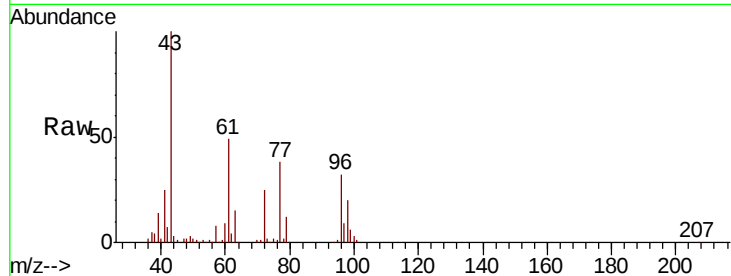
ClientSampleId :

Tot Ion: 43 Resp: 375072

Ion Ratio Lower Upper

43 100

72 25.3 20.4 30.6



#26

2,2-Dichloropropane

Concen: 49.054 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060660.D

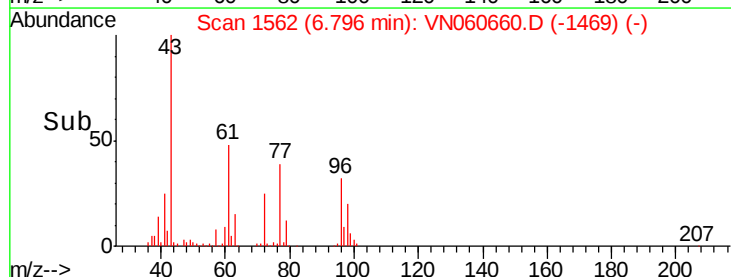
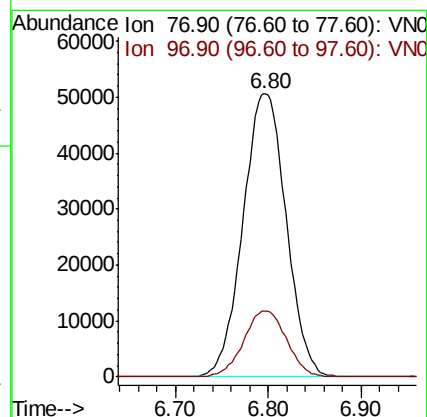
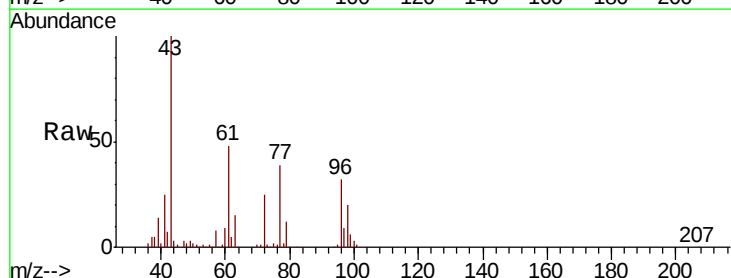
Acq: 20 Mar 2020 18:04

Tgt Ion: 77 Resp: 163531

Ion Ratio Lower Upper

77 100

97 23.2 11.4 34.1

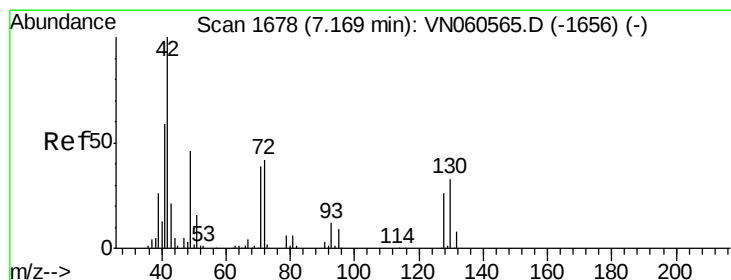
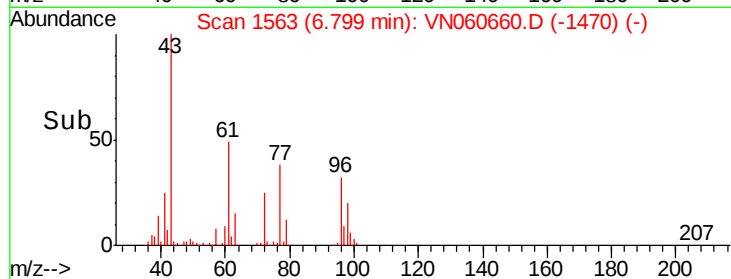
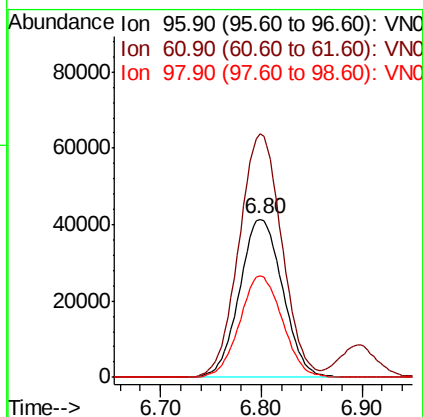
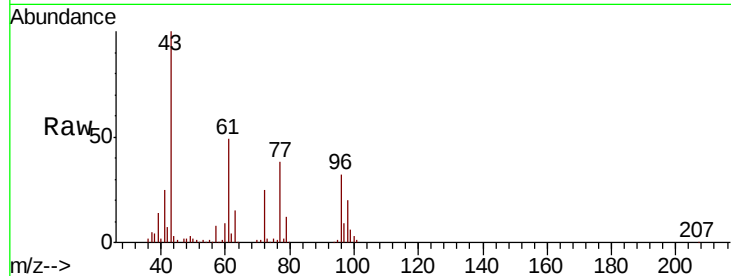




#27
 cis-1,2-Dichloroethene
 Concen: 48.537 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VN060660.D
 Acq: 20 Mar 2020 18:04

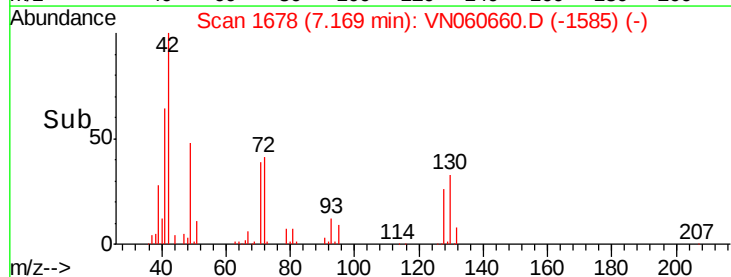
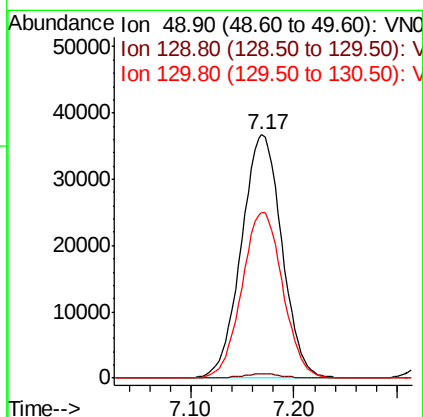
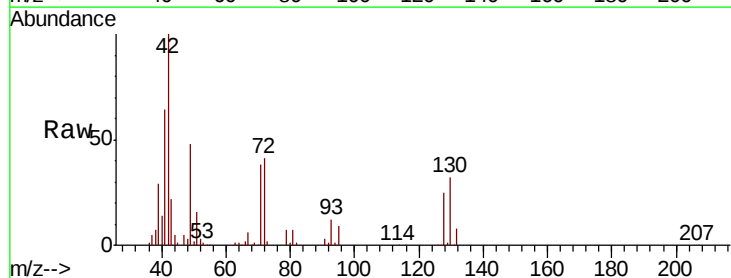
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.1	0.0	305.6
98	63.5	0.0	127.6



#28
 Bromochloromethane
 Concen: 49.424 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: VN060660.D
 Acq: 20 Mar 2020 18:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	68.5	55.0	82.4

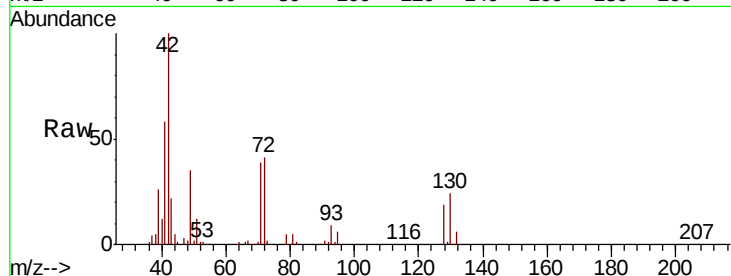




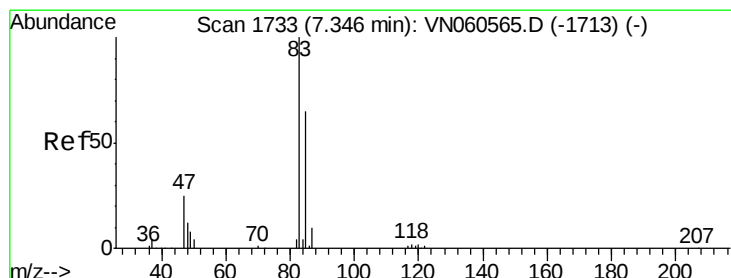
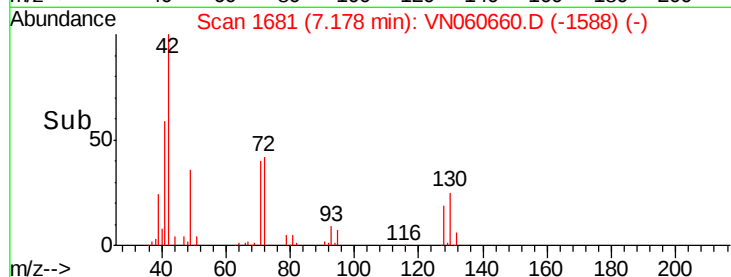
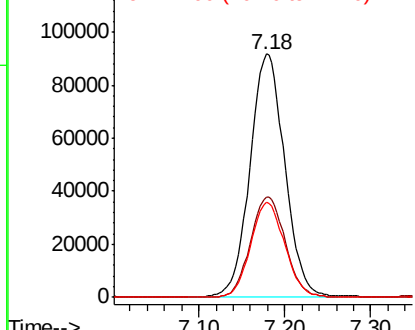
#29
Tetrahydrofuran
Concen: 241.034 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 259252
Ion Ratio Lower Upper
42 100
72 41.3 33.2 49.8
71 38.4 31.1 46.7

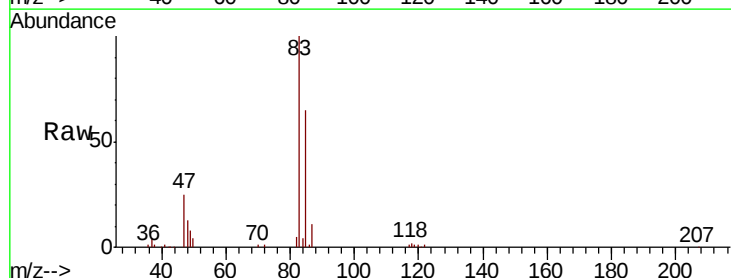


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

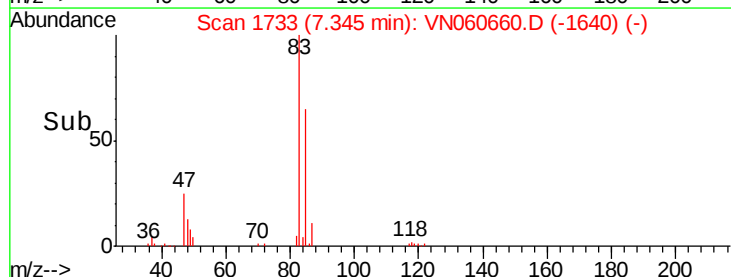
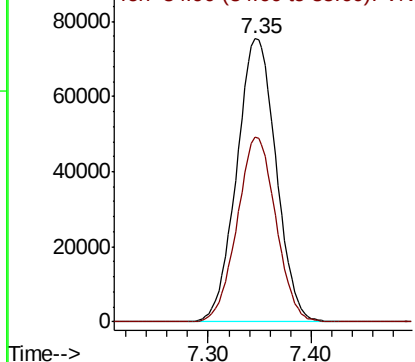


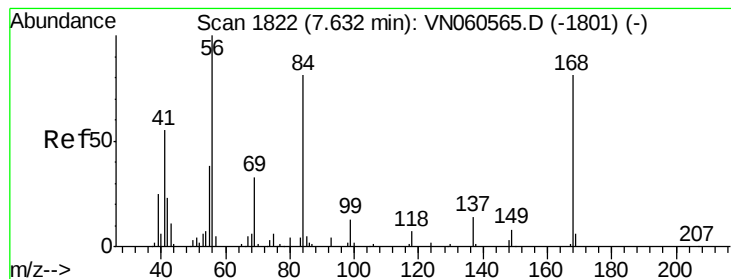
#30
Chloroform
Concen: 49.215 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

Tgt Ion: 83 Resp: 199904
Ion Ratio Lower Upper
83 100
85 65.1 51.8 77.8



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





#31

Cyclohexane

Concen: 46.082 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Instrument :
MSVOA_N
ClientSampled :

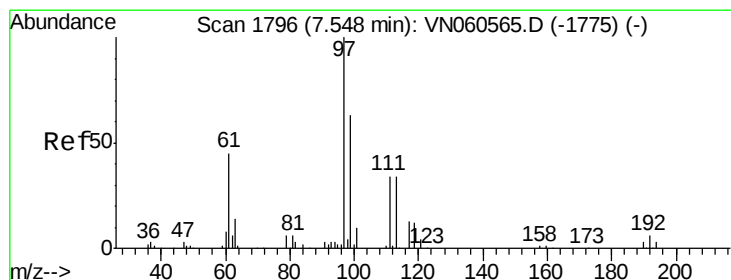
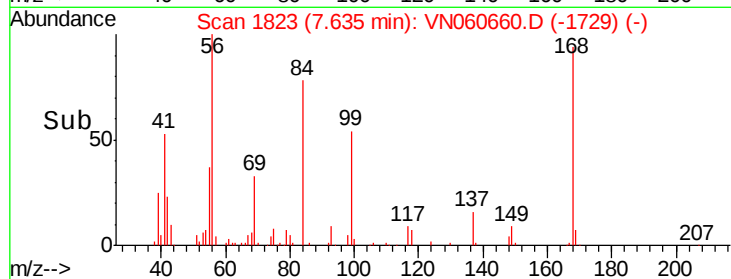
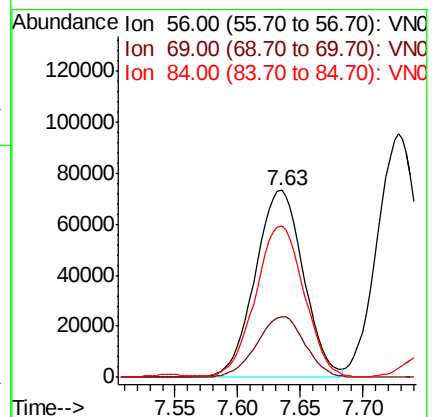
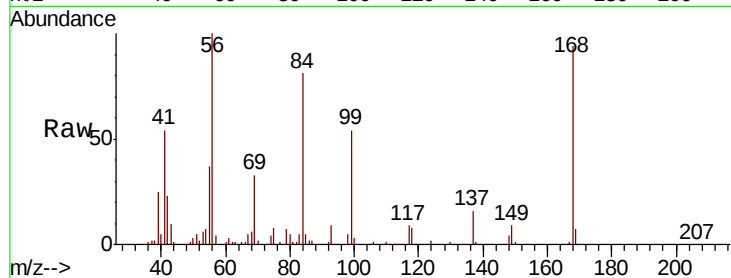
Tot Ion: 56 Resp: 196843

Ion Ratio Lower Upper

56 100

69 32.6 26.6 40.0

84 79.8 64.3 96.5



#32

1,1,1-Trichloroethane

Concen: 48.718 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

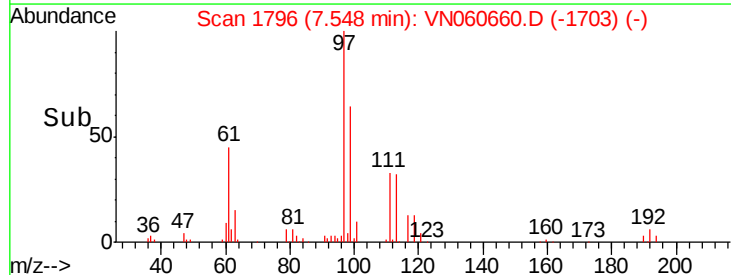
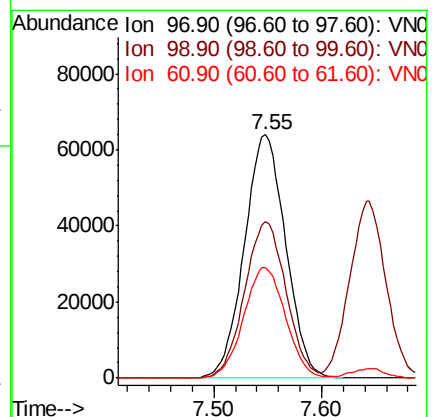
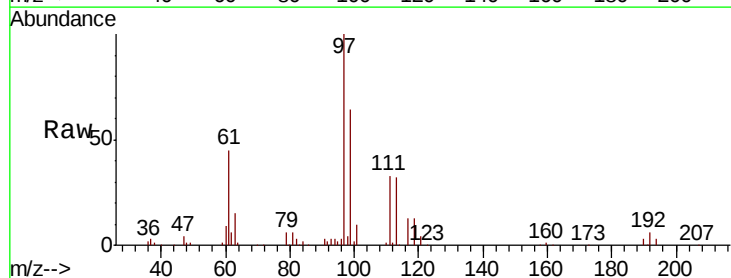
Tgt Ion: 97 Resp: 170594

Ion Ratio Lower Upper

97 100

99 64.5 50.6 75.8

61 45.9 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 47.440 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Instrument :

MSVOA_N

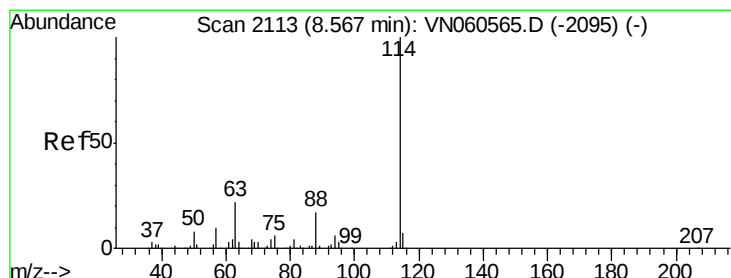
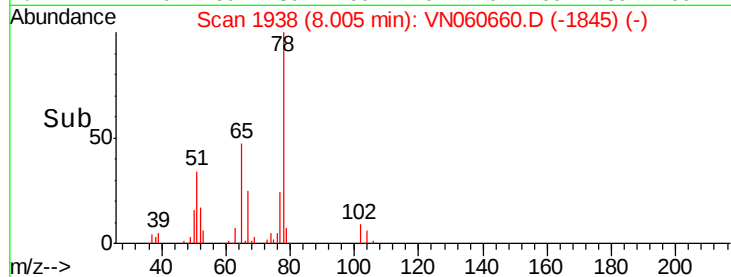
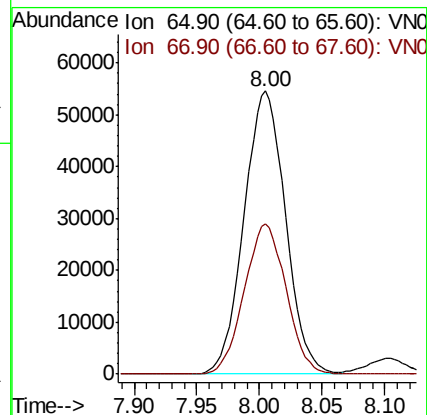
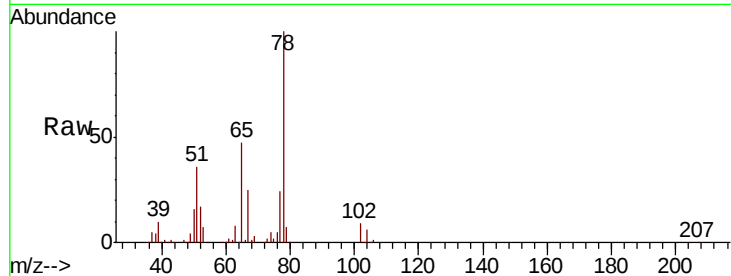
ClientSampleId :

Tot Ion: 65 Resp: 125817

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

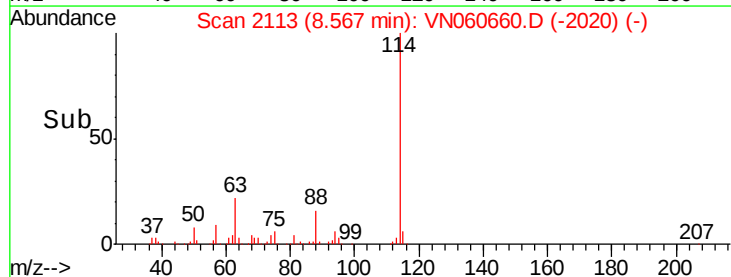
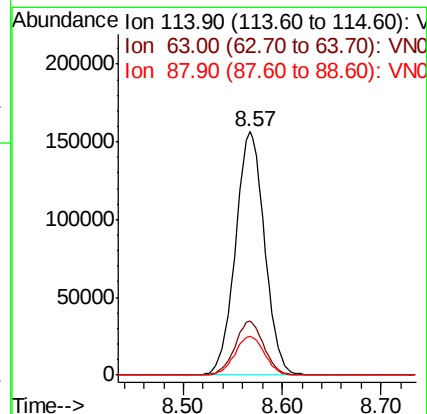
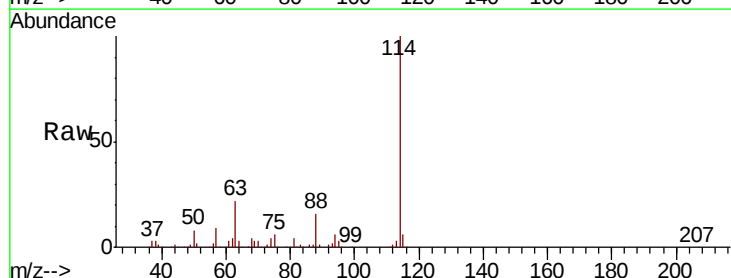
Tgt Ion: 114 Resp: 321376

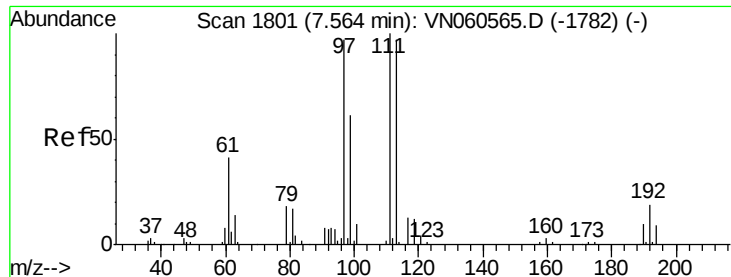
Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.8

88 15.8 0.0 33.0





#35

Dibromofluoromethane

Concen: 47.864 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Instrument :
MSVOA_N
ClientSampled :

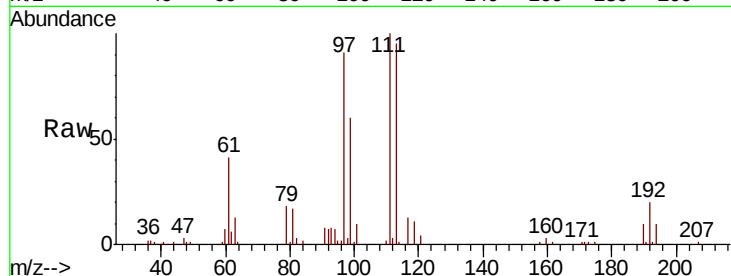
Tot Ion:113 Resp: 93013

Ion Ratio Lower Upper

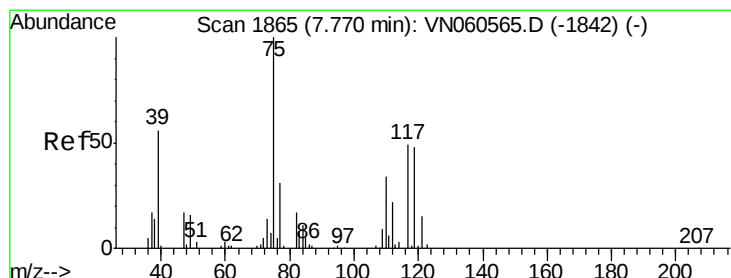
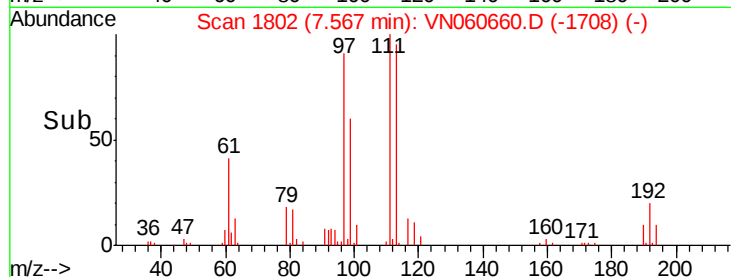
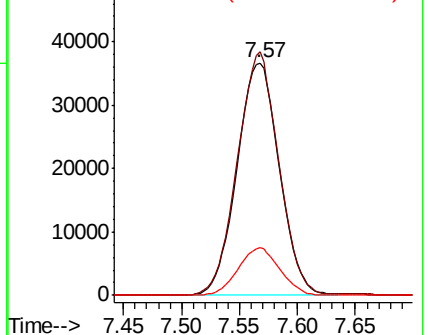
113 100

111 102.4 82.9 124.3

192 20.1 15.8 23.8



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.148 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

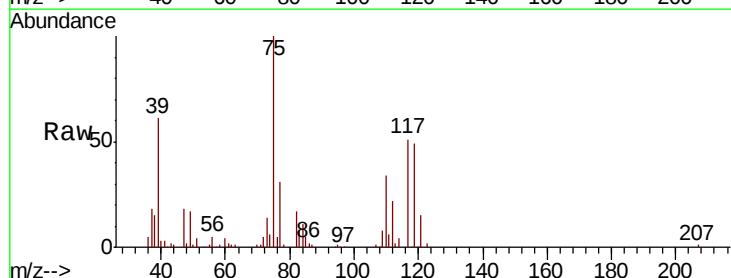
Tgt Ion: 75 Resp: 152945

Ion Ratio Lower Upper

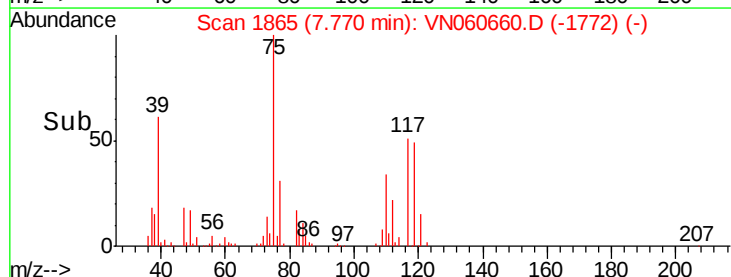
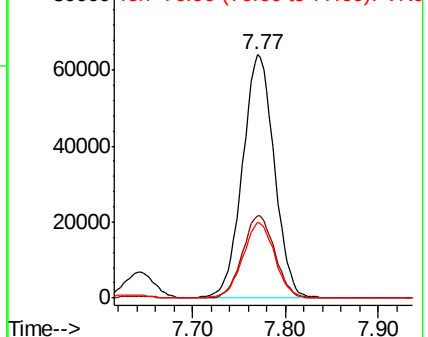
75 100

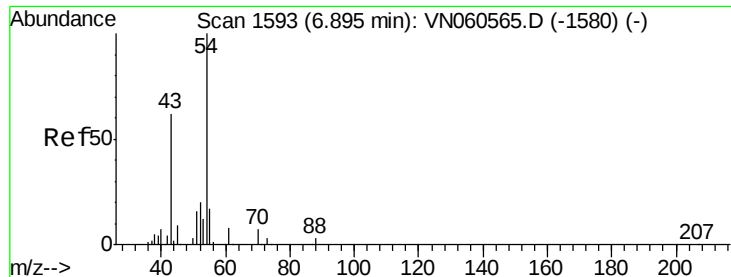
110 34.2 16.9 50.6

77 31.1 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VN0

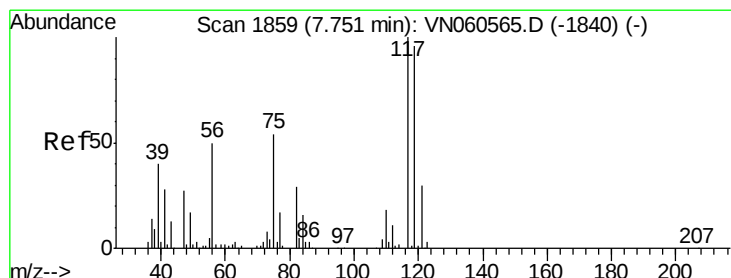
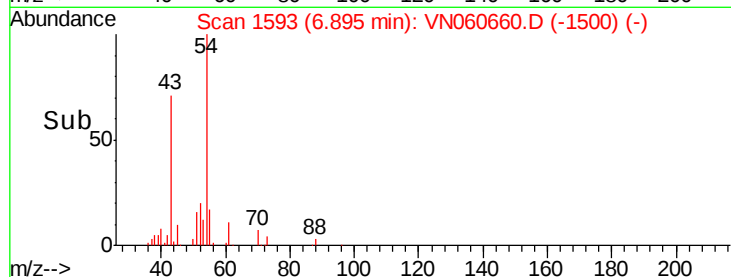
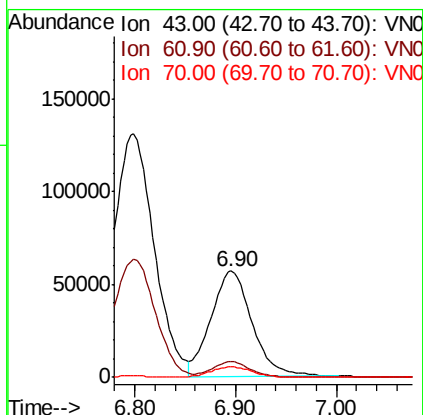
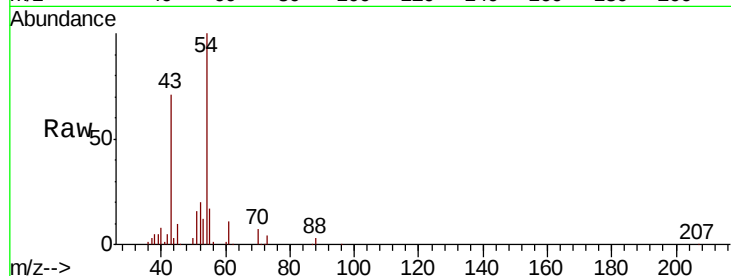




#37
Ethyl Acetate
Concen: 48.148 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

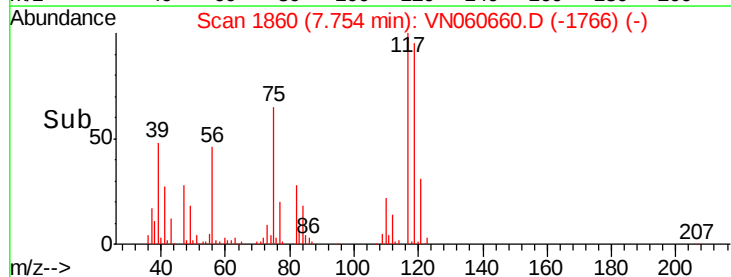
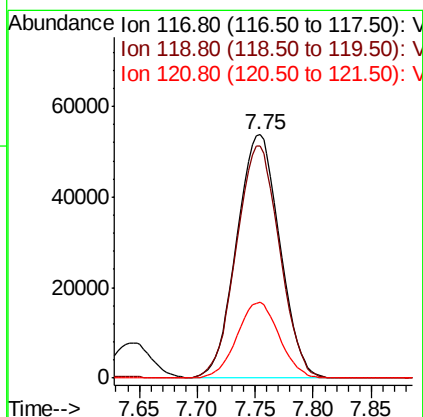
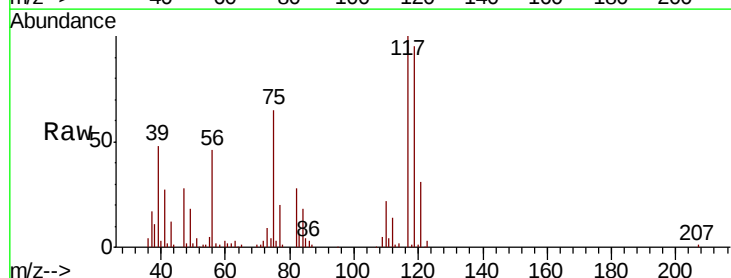
Instrument :
MSVOA_N
ClientSampleId :

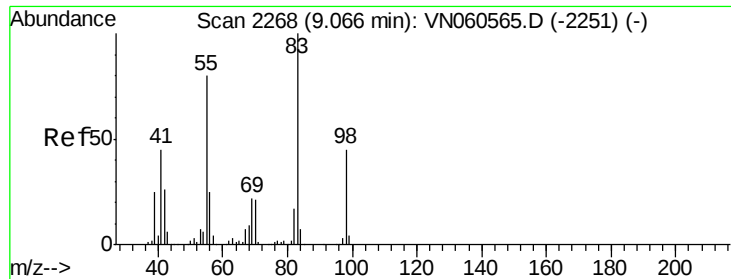
Tot Ion: 43 Resp: 161896
Ion Ratio Lower Upper
43 100
61 13.9 10.6 15.8
70 10.0 7.9 11.9



#38
Carbon Tetrachloride
Concen: 49.992 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

Tgt Ion: 117 Resp: 139430
Ion Ratio Lower Upper
117 100
119 95.2 76.2 114.2
121 31.0 23.7 35.5

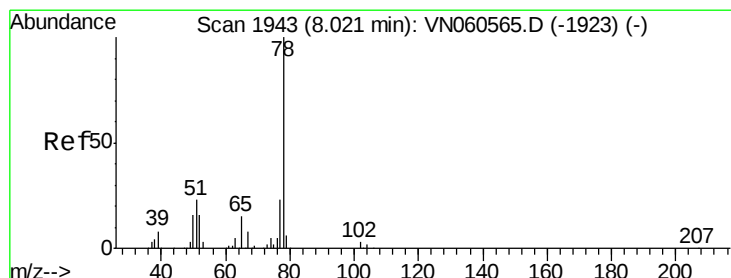
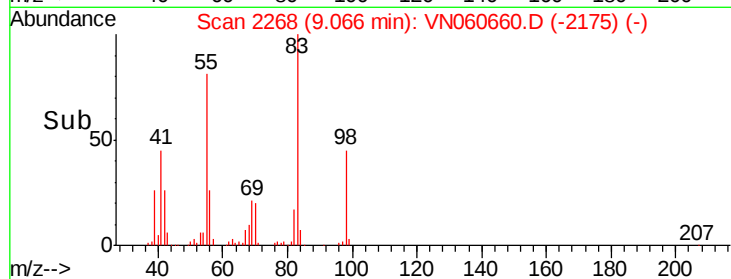
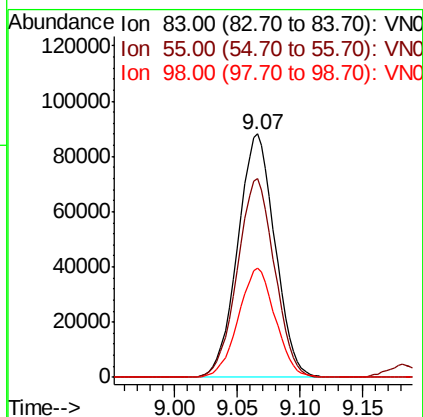
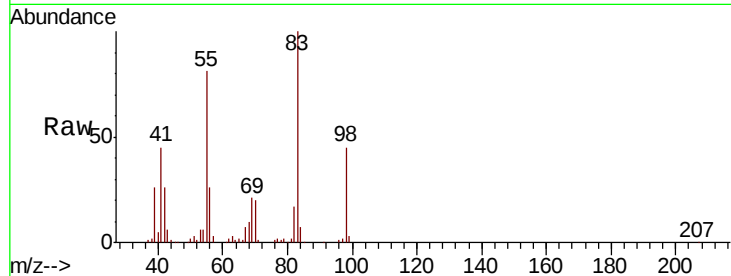




#39
Methvlcvclohexane
Concen: 49.203 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

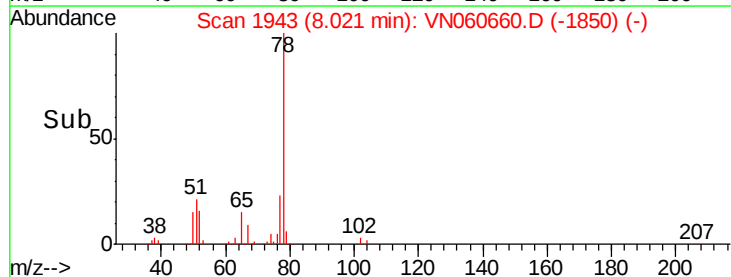
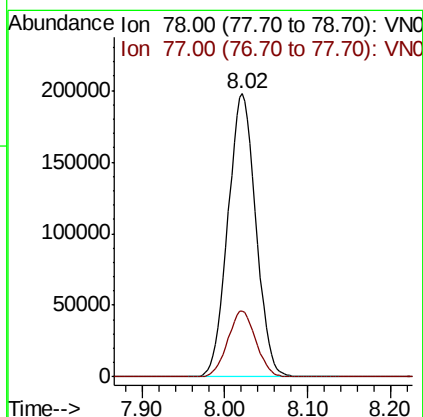
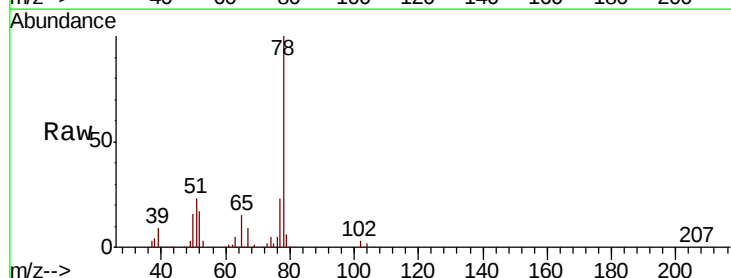
Instrument :
MSVOA_N
ClientSampled :

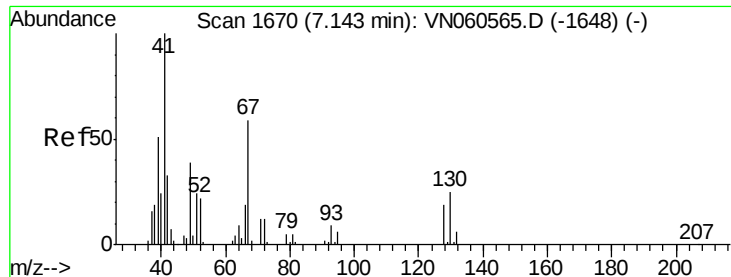
Tot Ion: 83 Resp: 181959
Ion Ratio Lower Upper
83 100
55 81.4 63.6 95.4
98 44.9 36.0 54.0



#40
Benzene
Concen: 49.368 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

Tgt Ion: 78 Resp: 463771
Ion Ratio Lower Upper
78 100
77 23.4 18.6 28.0

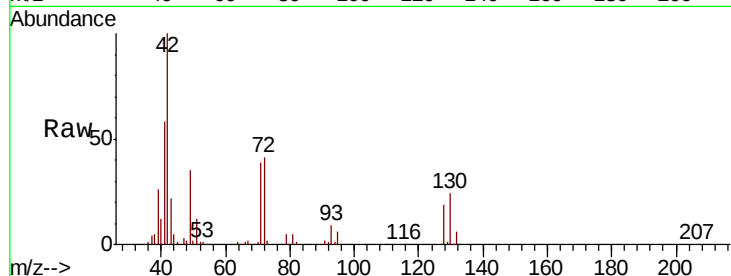




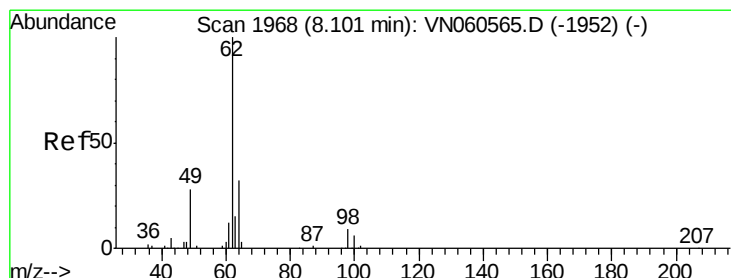
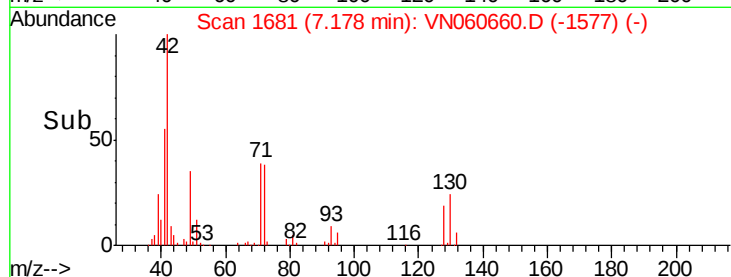
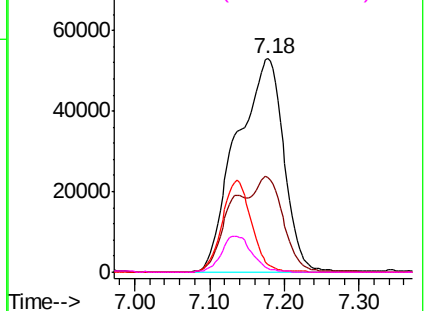
#41
Methacrylonitrile
Concen: 161.914 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.04 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	232349
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

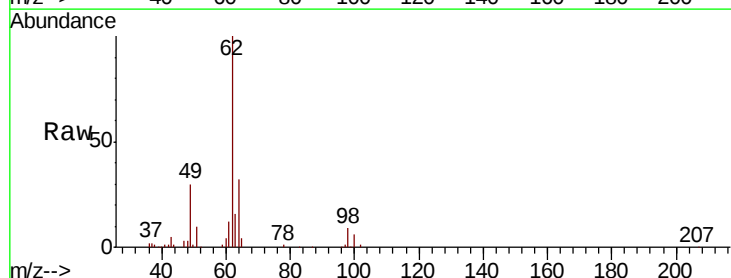


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

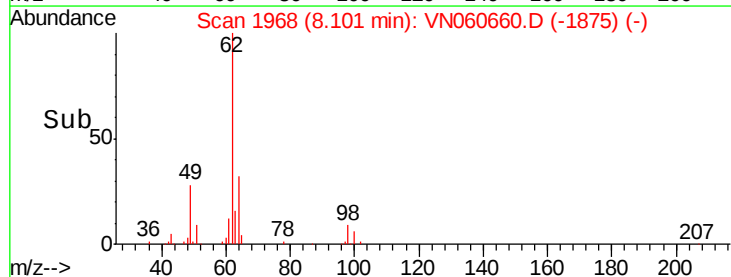
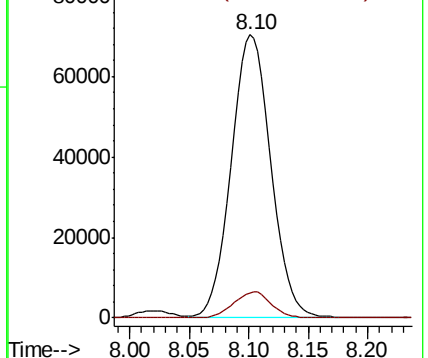


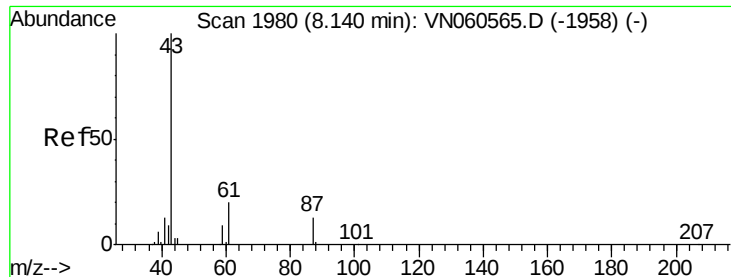
#42
1,2-Dichloroethane
Concen: 50.332 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

Tgt Ion:	62	Resp:	161590
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

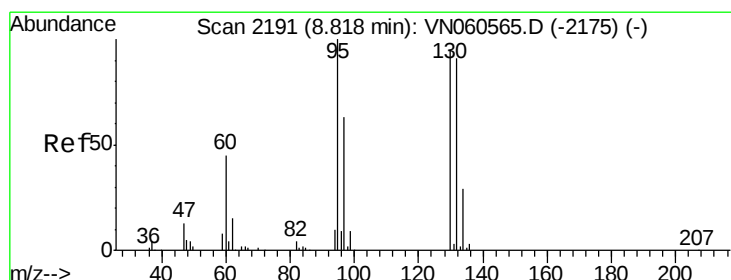
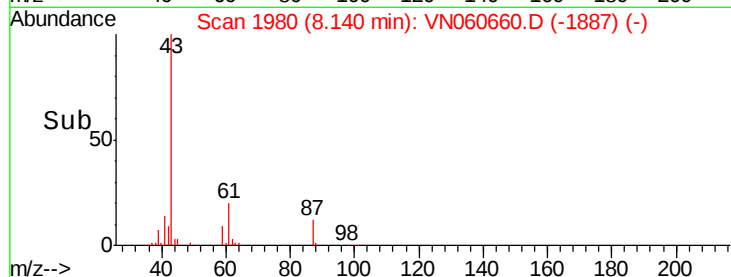
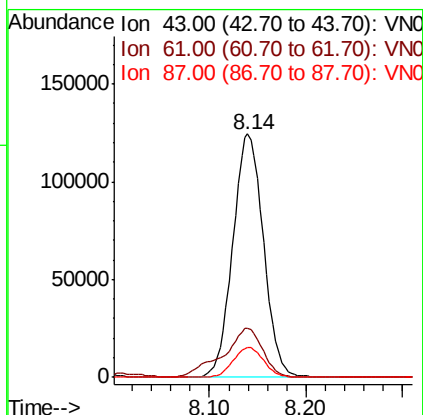
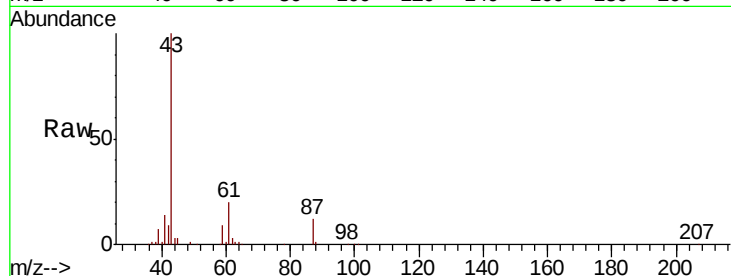




#43
Isopropyl Acetate
Concen: 49.411 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

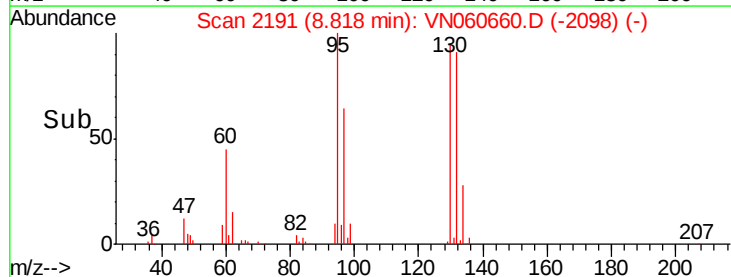
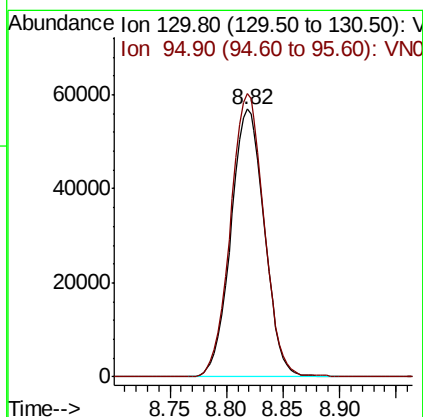
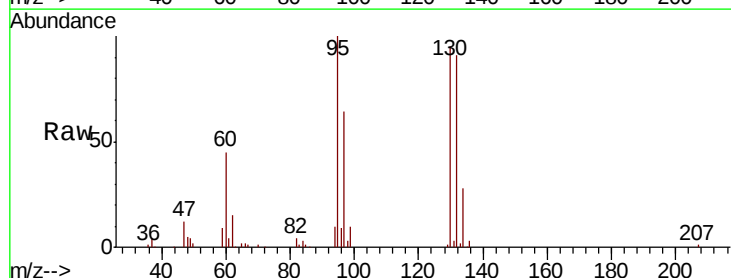
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 274002
Ion Ratio Lower Upper
43 100
61 26.0 20.7 31.1
87 12.2 9.8 14.8



#44
Trichloroethene
Concen: 49.599 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

Tgt Ion: 130 Resp: 117458
Ion Ratio Lower Upper
130 100
95 105.7 0.0 211.2

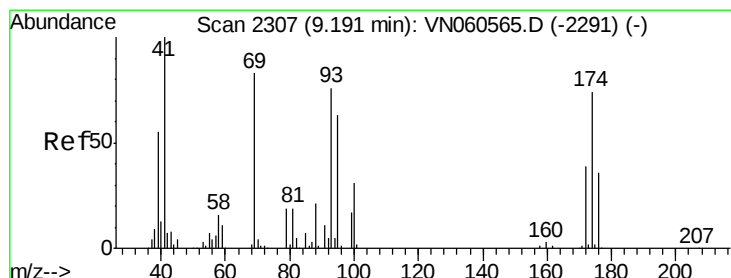
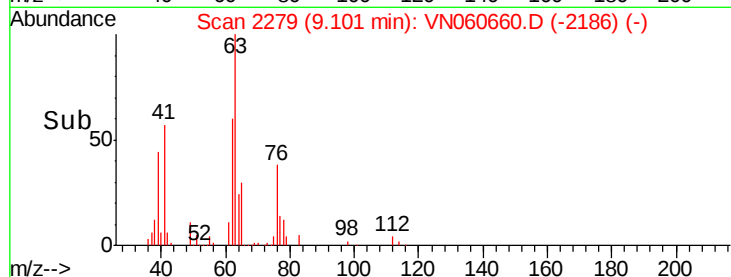
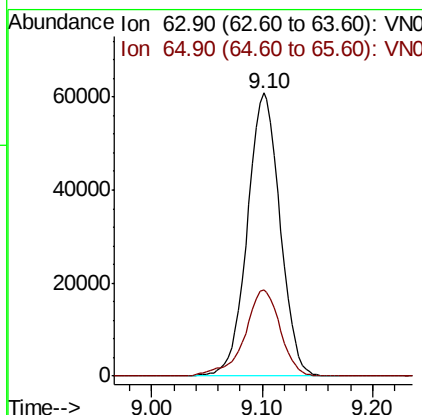
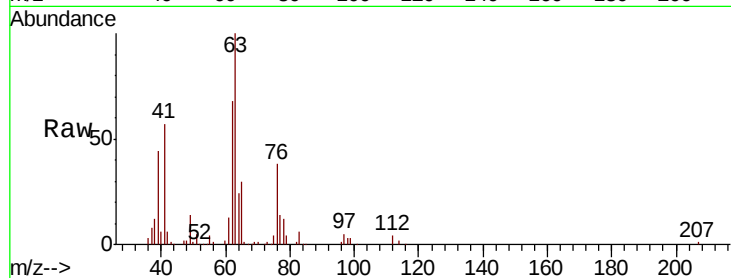




#45
 1,2-Dichloropropane
 Concen: 50.356 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060660.D
 Acq: 20 Mar 2020 18:04

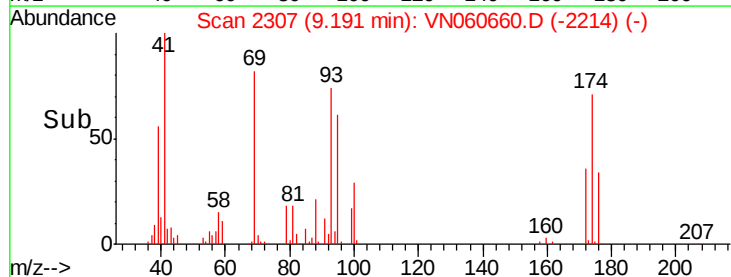
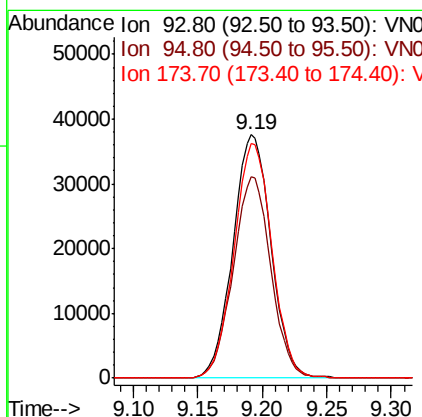
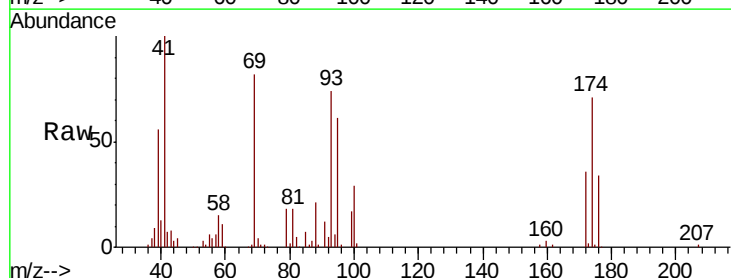
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 63 Resp: 124823
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.4 38.0



#46
 Dibromomethane
 Concen: 51.409 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060660.D
 Acq: 20 Mar 2020 18:04

Tgt Ion: 93 Resp: 77041
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.2 99.4
 174 96.0 77.9 116.9





#47

Bromodichloromethane

Concen: 50.932 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Instrument :

MSVOA_N

ClientSampleId :

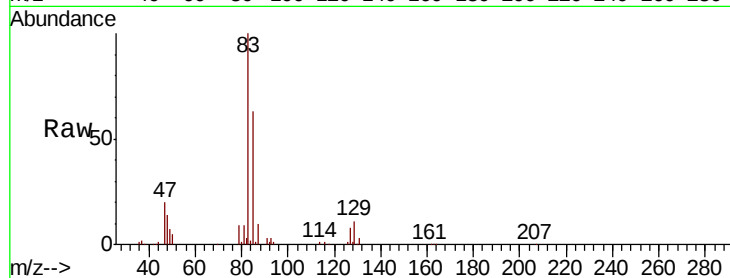
Tot Ion: 83 Resp: 158606

Ion Ratio Lower Upper

83 100

85 63.3 51.8 77.6

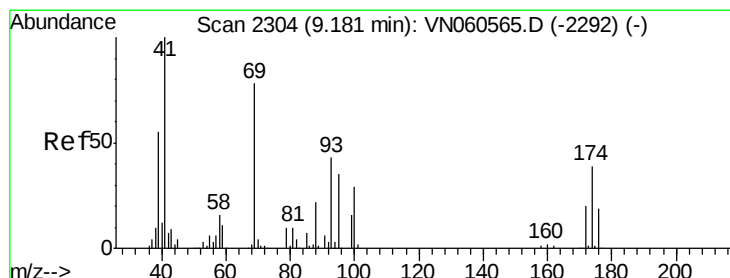
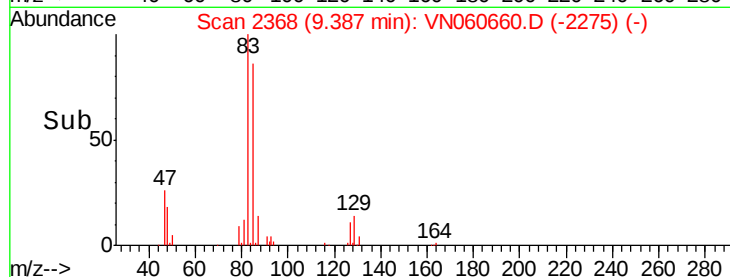
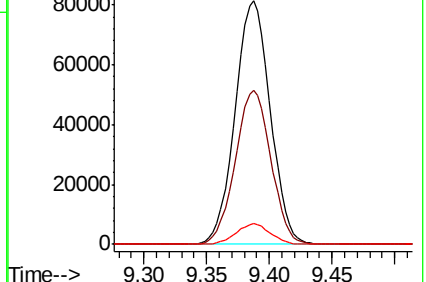
127 8.4 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060660.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060660.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060660.D (-2275) (-)



#48

Methyl methacrylate

Concen: 50.402 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

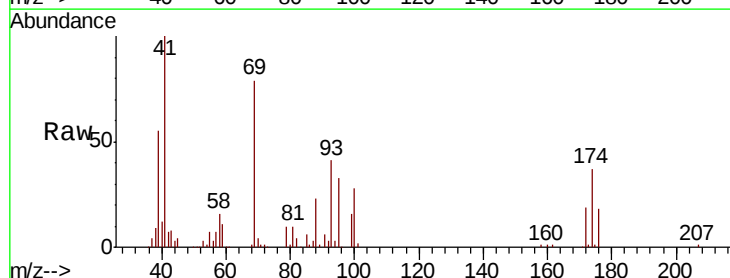
Tgt Ion: 41 Resp: 124442

Ion Ratio Lower Upper

41 100

69 81.7 65.4 98.0

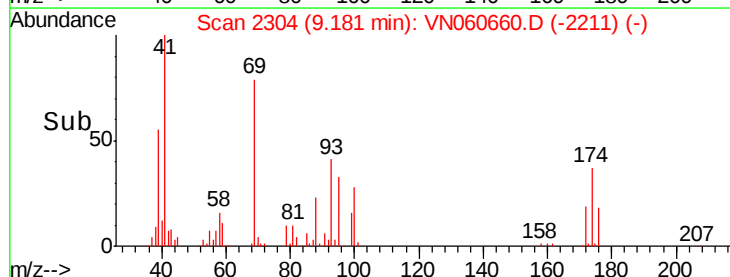
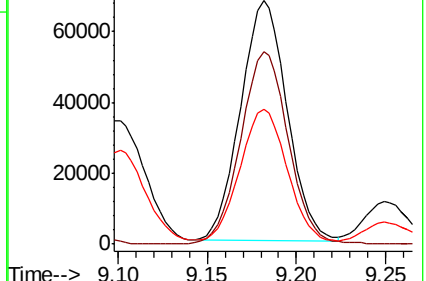
39 55.0 44.0 66.0

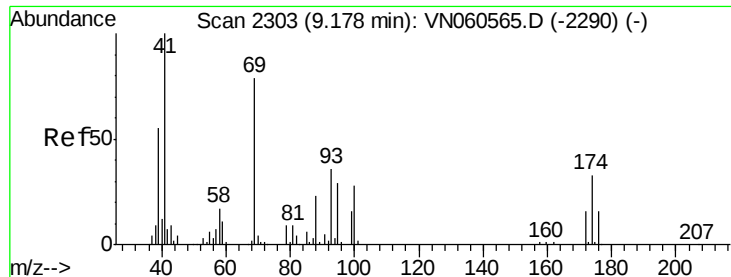


Abundance Ion 41.00 (40.70 to 41.70): VN060660.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060660.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060660.D (-2211) (-)

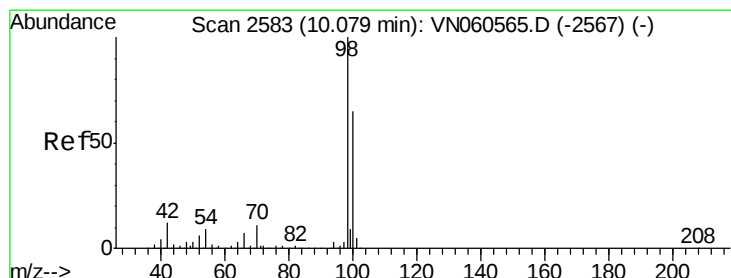
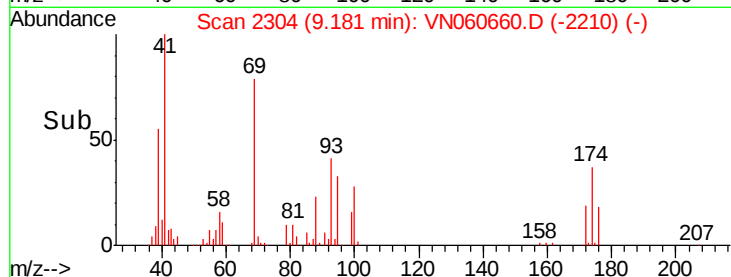
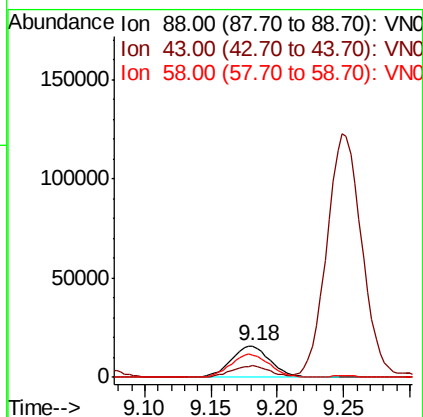
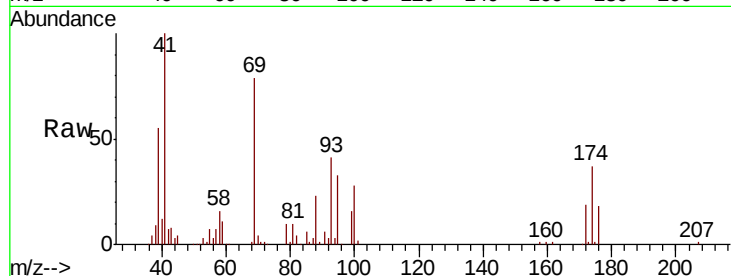




#49
1,4-Dioxane
Concen: 1096.311 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

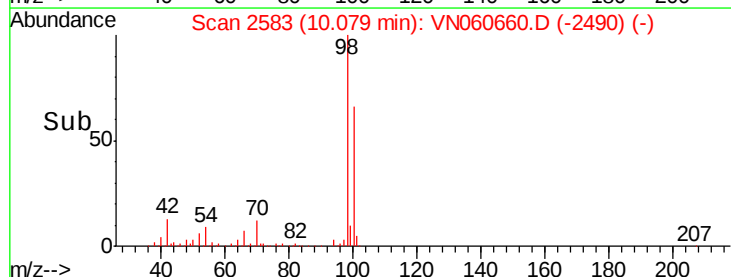
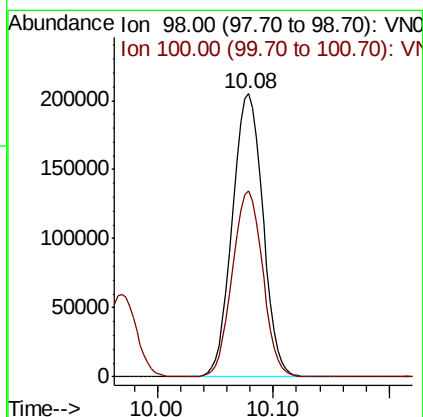
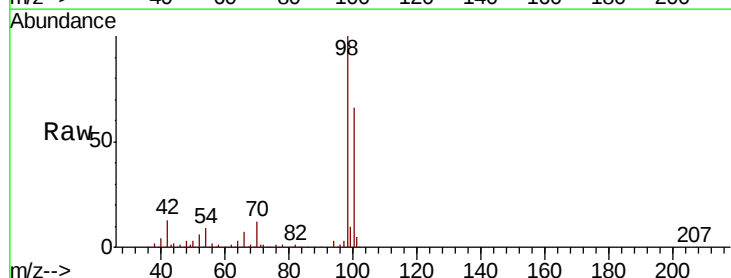
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 32173
Ion Ratio Lower Upper
88 100
43 37.0 30.8 46.2
58 73.3 59.8 89.8



#50
Toluene-d8
Concen: 47.137 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

Tgt Ion: 98 Resp: 374148
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 254.787 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Instrument :

MSVOA_N

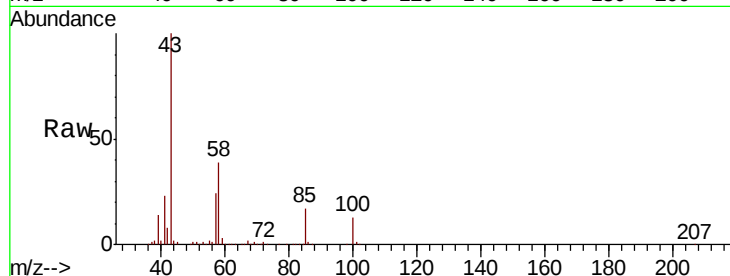
ClientSampleId :

Tot Ion: 43 Resp: 803999

Ion Ratio Lower Upper

43 100

58 38.4 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

400000

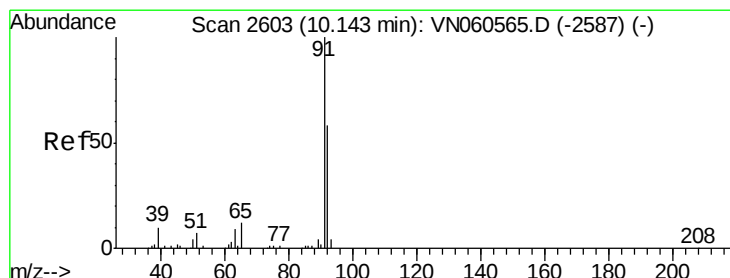
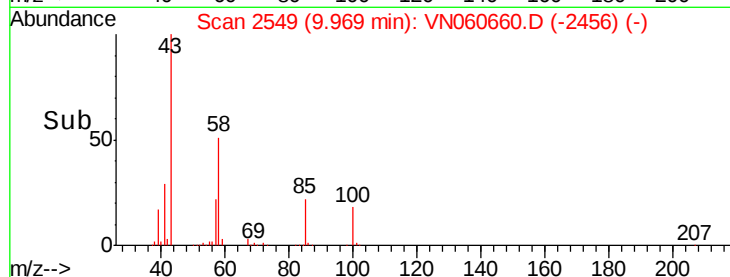
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.855 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060660.D

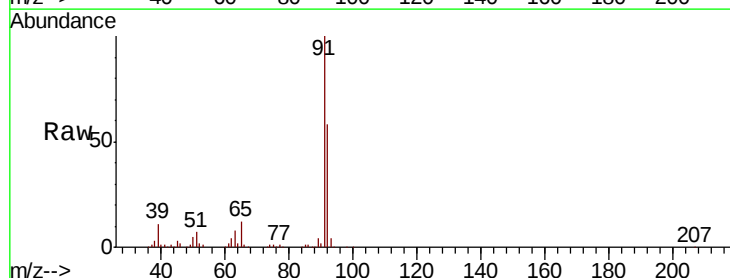
Acq: 20 Mar 2020 18:04

Tgt Ion: 92 Resp: 282848

Ion Ratio Lower Upper

92 100

91 171.1 137.6 206.4



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

300000

250000

200000

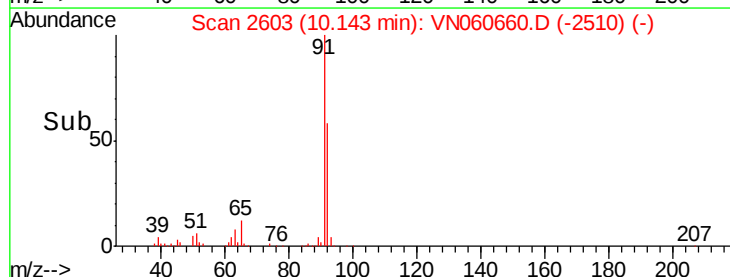
150000

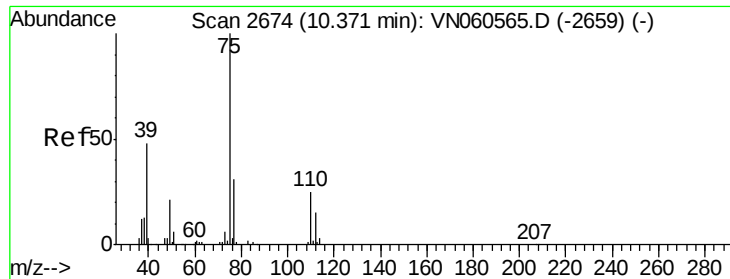
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.095 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Instrument :

MSVOA_N

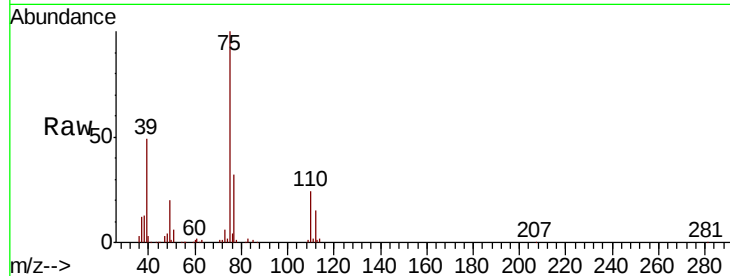
ClientSampled :

Tot Ion: 75 Resp: 182769

Ion Ratio Lower Upper

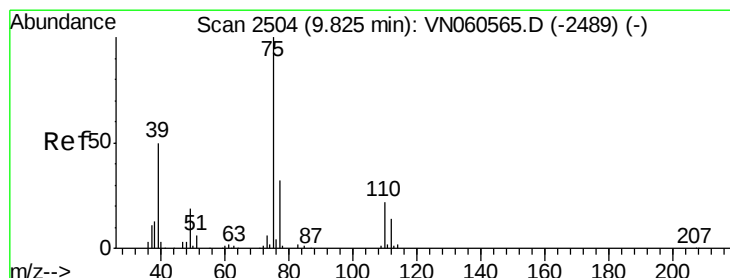
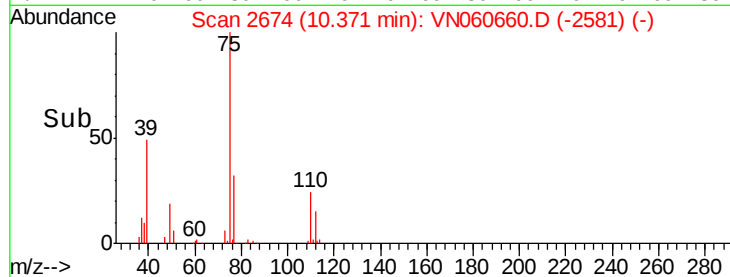
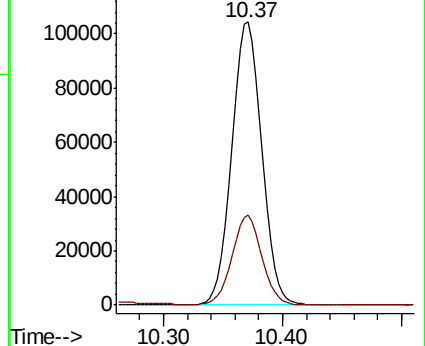
75 100

77 31.6 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 49.603 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

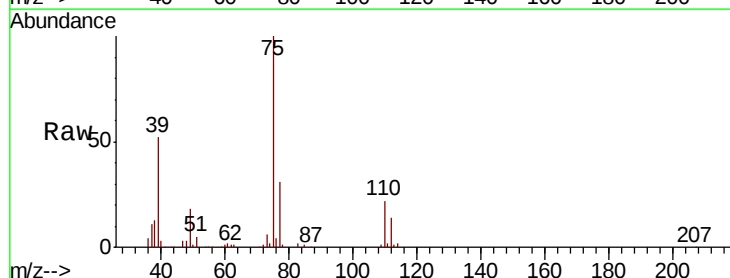
Tgt Ion: 75 Resp: 194653

Ion Ratio Lower Upper

75 100

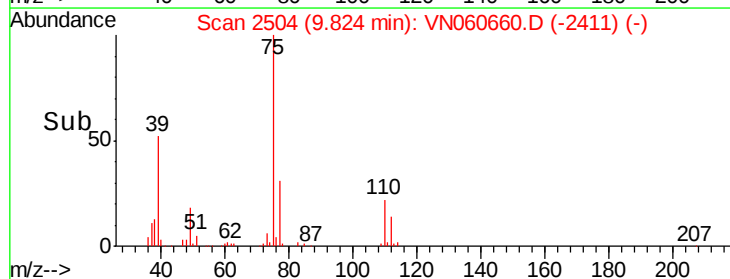
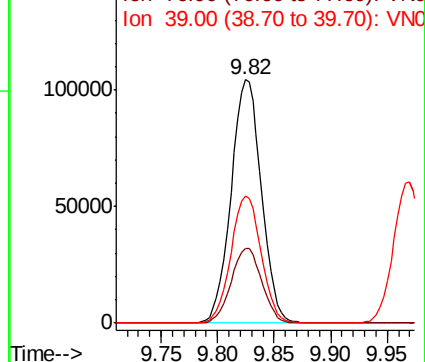
77 30.7 25.4 38.0

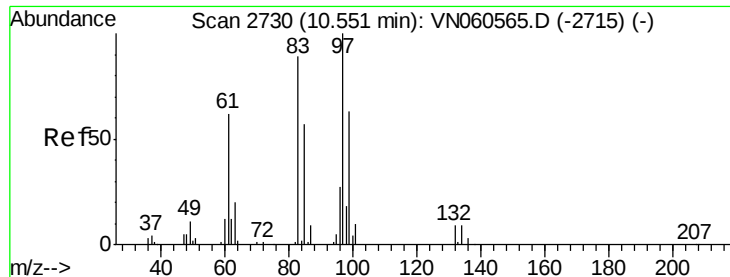
39 52.2 40.2 60.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

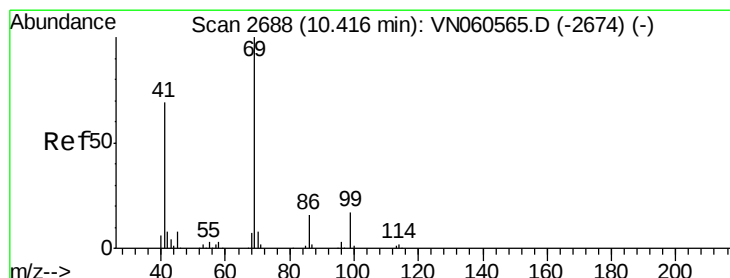
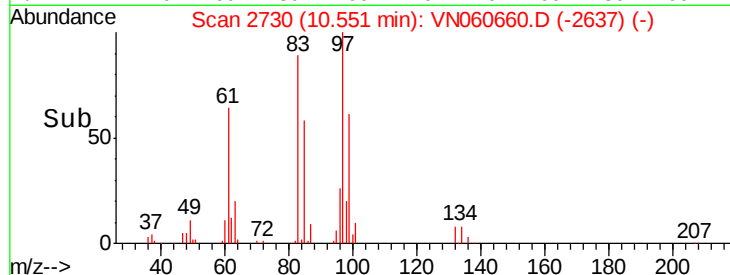
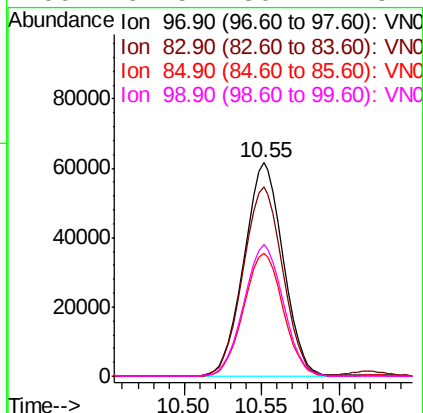
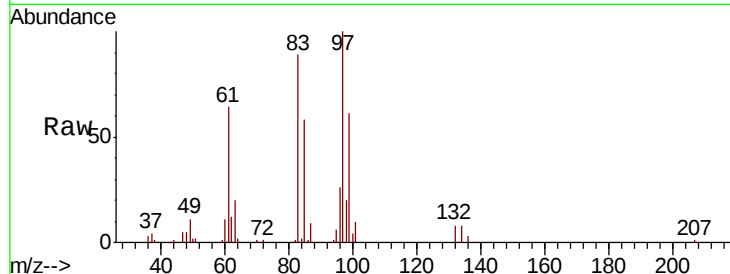




#55
 1,1,2-Trichloroethane
 Concen: 49.840 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060660.D
 Acq: 20 Mar 2020 18:04

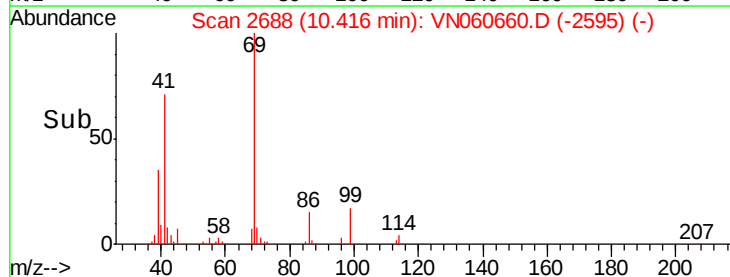
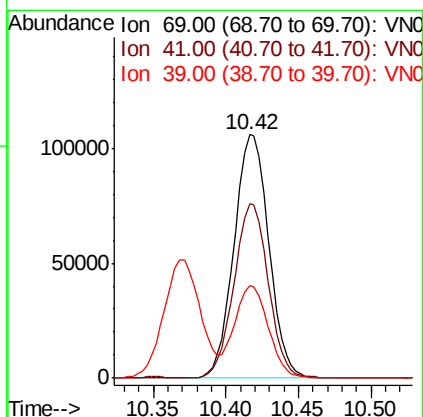
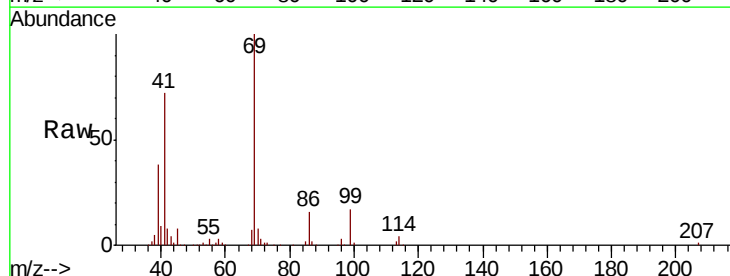
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	108782
Ion	Ratio	Lower	Upper
97	100		
83	88.9	71.3	106.9
85	57.8	45.2	67.8
99	61.5	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 51.968 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060660.D
 Acq: 20 Mar 2020 18:04

Tgt Ion:	69	Resp:	176860
Ion	Ratio	Lower	Upper
69	100		
41	70.1	55.4	83.2
39	37.5	29.4	44.0





#57

1,3-Dichloropropane

Concen: 50.408 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Instrument :

MSVOA_N

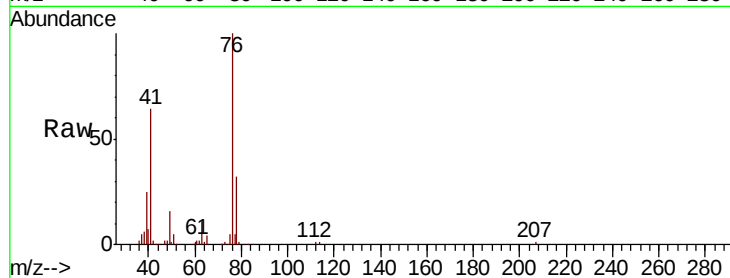
ClientSampled :

Tot Ion: 76 Resp: 190922

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN060660.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060660.D (-2682) (-)

10.70

120000

100000

80000

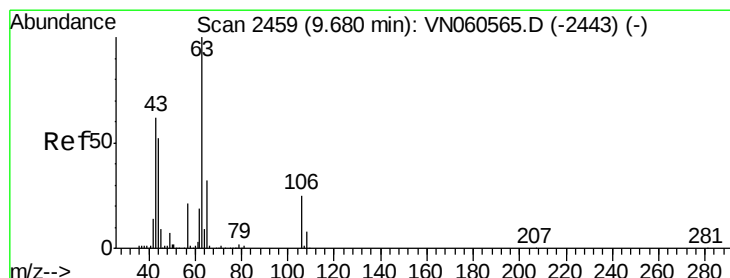
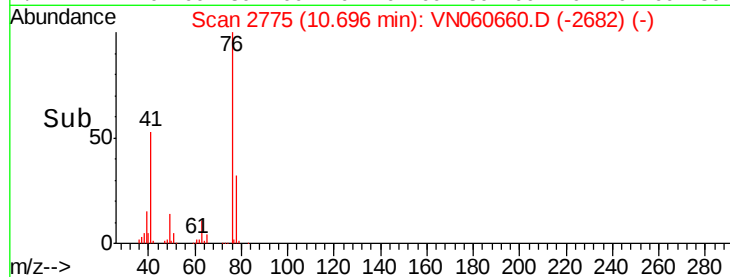
60000

40000

20000

0

Time--> 10.60 10.70



#58

2-Chloroethyl Vinyl ether

Concen: 252.759 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060660.D

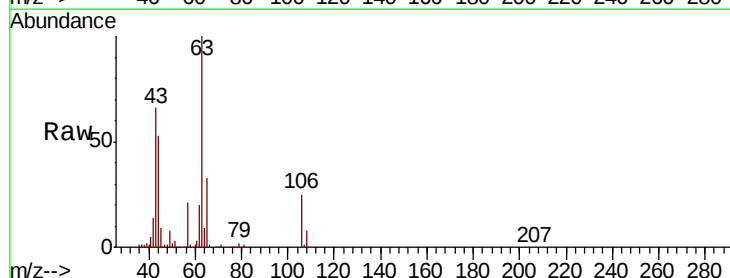
Acq: 20 Mar 2020 18:04

Tgt Ion: 63 Resp: 427529

Ion Ratio Lower Upper

63 100

106 25.0 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN060660.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060660.D (-2366) (-)

9.68

250000

200000

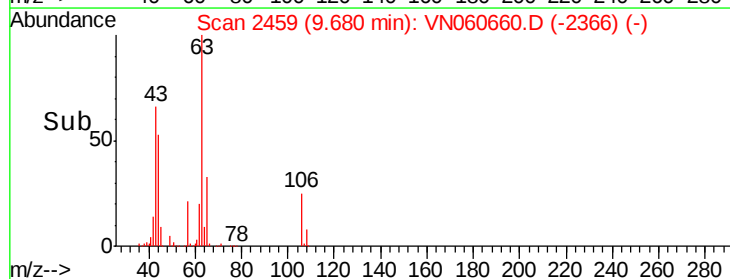
150000

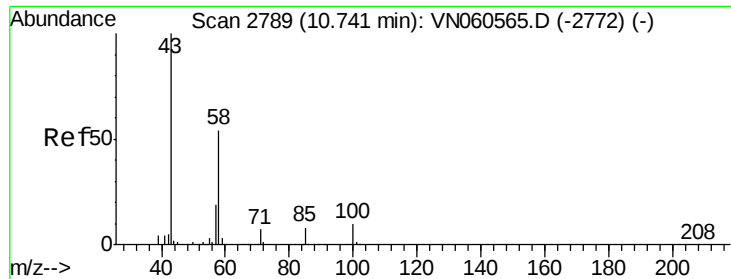
100000

50000

0

Time--> 9.60 9.70 9.80

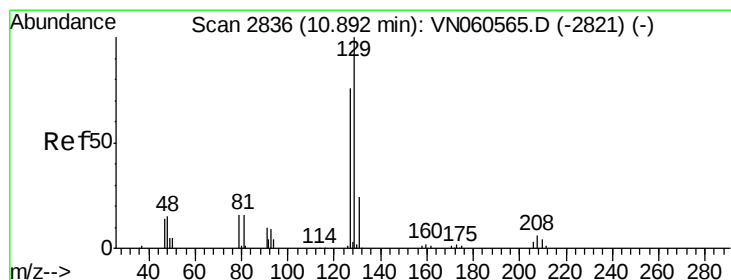
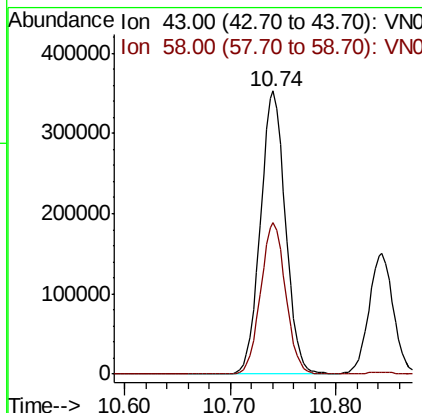
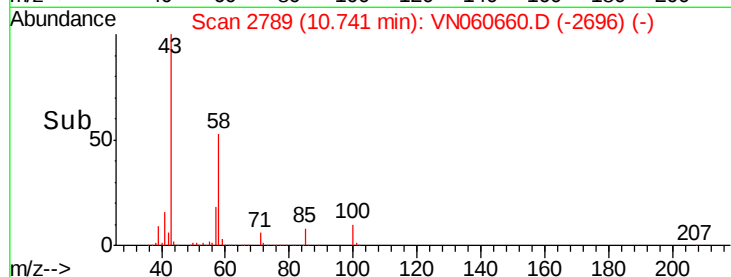
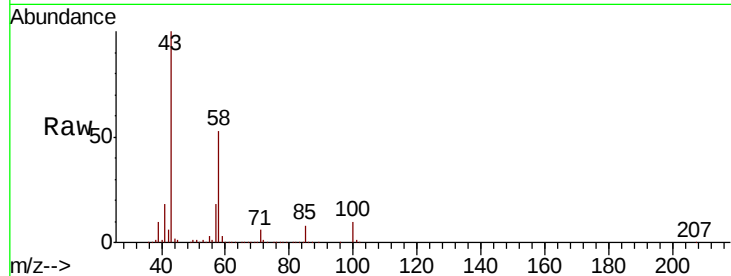




#59
2-Hexanone
Concen: 256.481 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

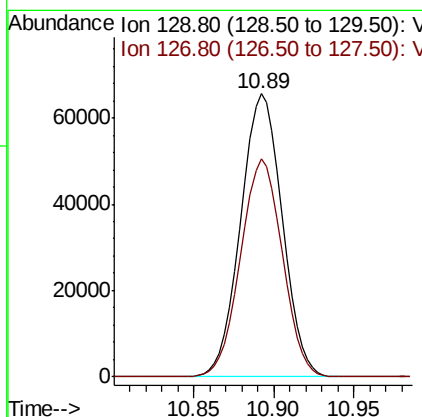
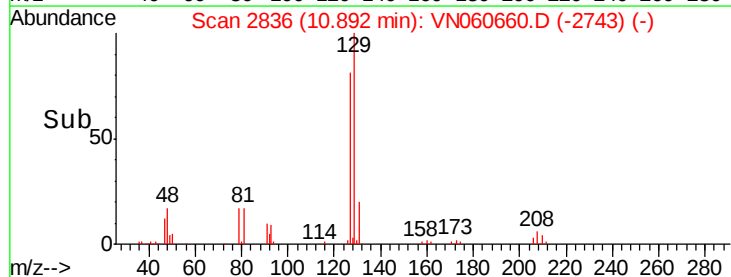
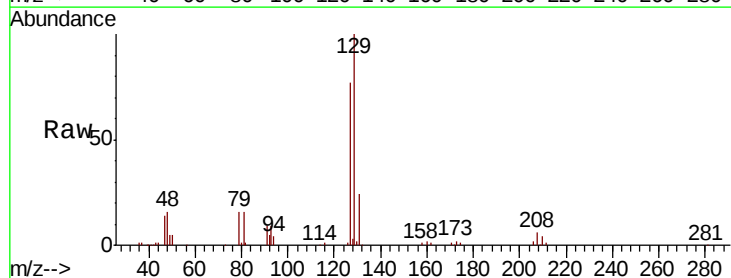
Instrument :
MSVOA_N
ClientSampled :

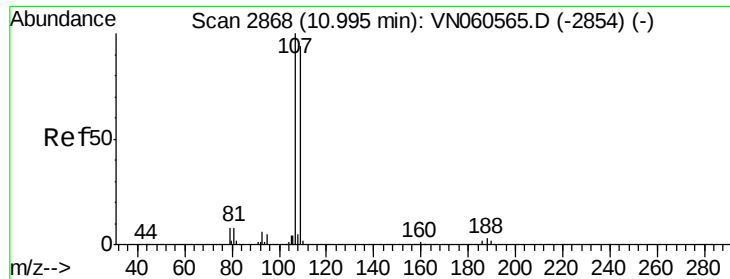
Tot Ion: 43 Resp: 583013
Ion Ratio Lower Upper
43 100
58 53.6 26.7 80.1



#60
Dibromochloromethane
Concen: 51.631 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

Tgt Ion: 129 Resp: 116406
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5

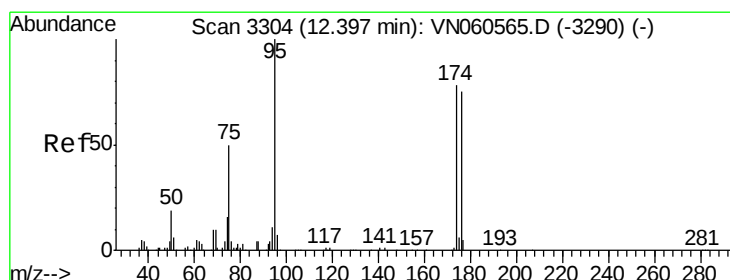
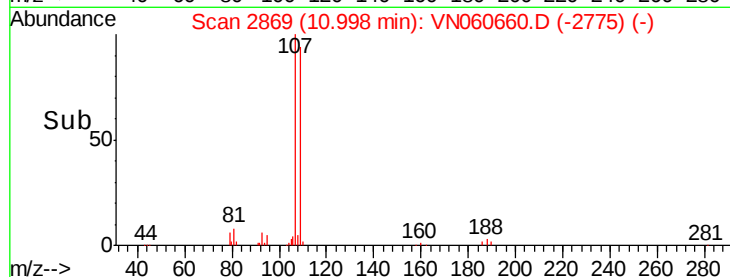
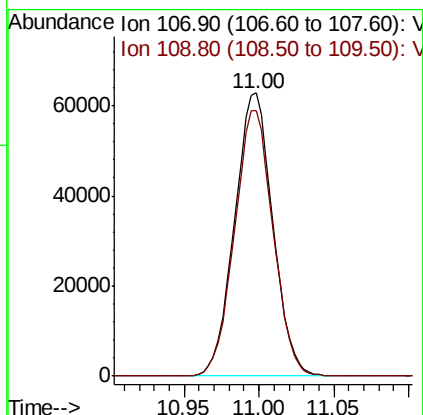
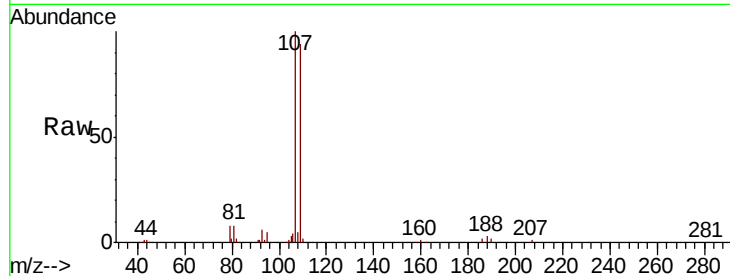




#61
 1,2-Dibromoethane
 Concen: 50.817 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060660.D
 Acq: 20 Mar 2020 18:04

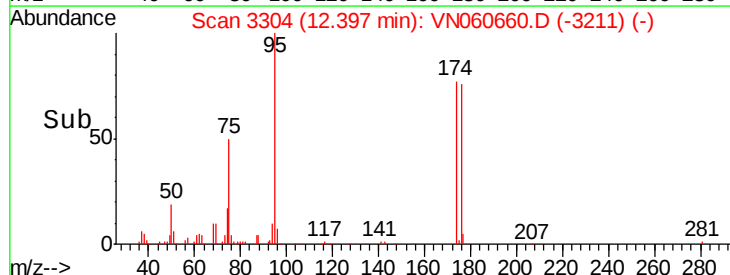
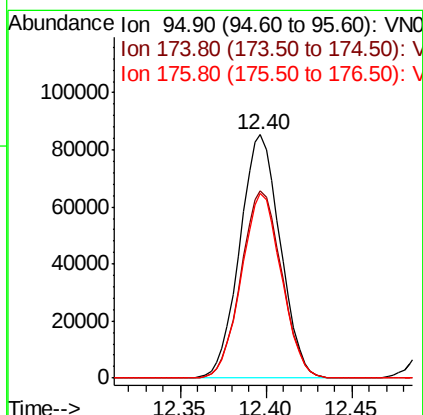
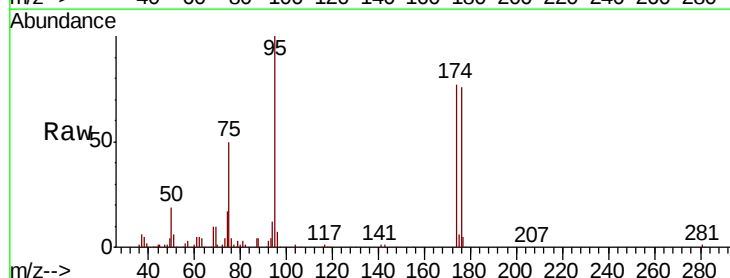
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:107 Resp: 111530
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 47.774 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060660.D
 Acq: 20 Mar 2020 18:04

Tgt Ion: 95 Resp: 138972
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 157.6
 176 75.3 0.0 150.6

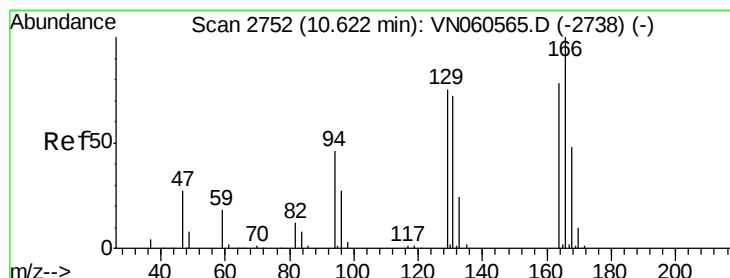
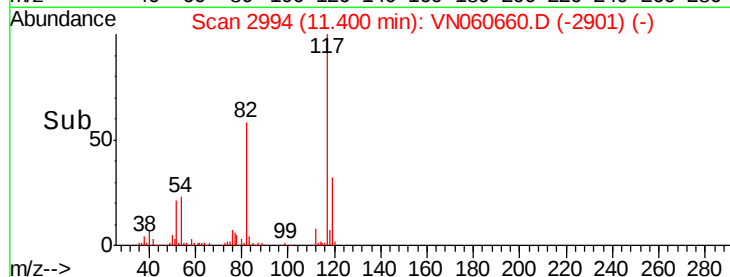
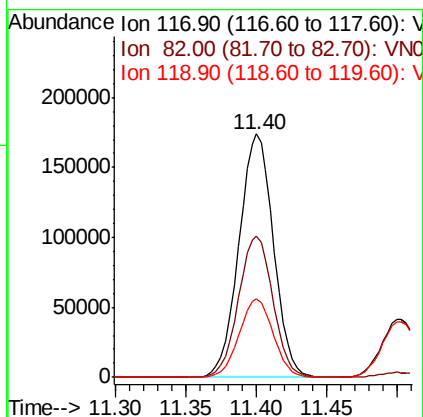
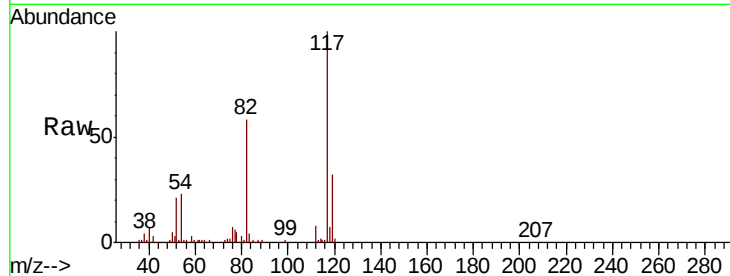




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

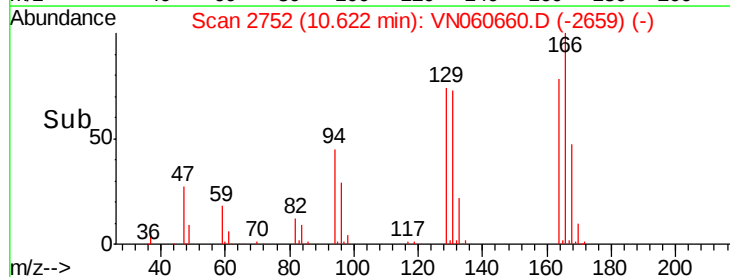
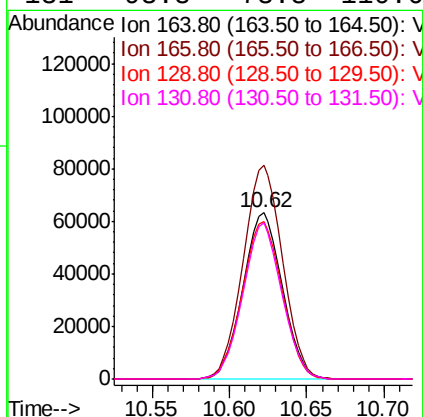
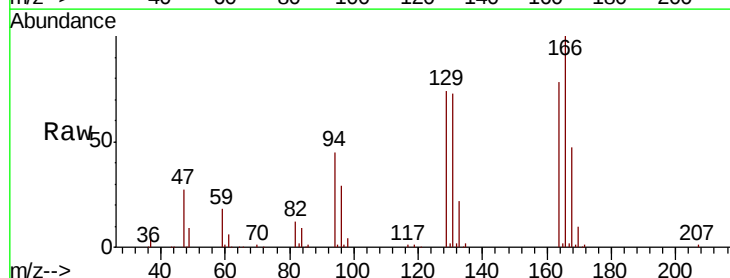
Instrument :
MSVOA_N
ClientSampled :

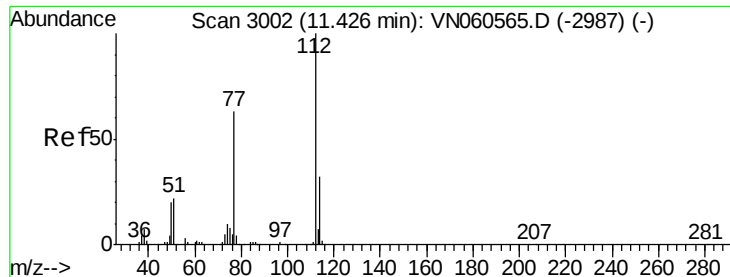
Tot Ion:117 Resp: 298070
Ion Ratio Lower Upper
117 100
82 57.8 46.7 70.1
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 47.887 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

Tgt Ion:164 Resp: 112321
Ion Ratio Lower Upper
164 100
166 128.7 102.7 154.1
129 94.7 77.2 115.8
131 93.8 73.8 110.6

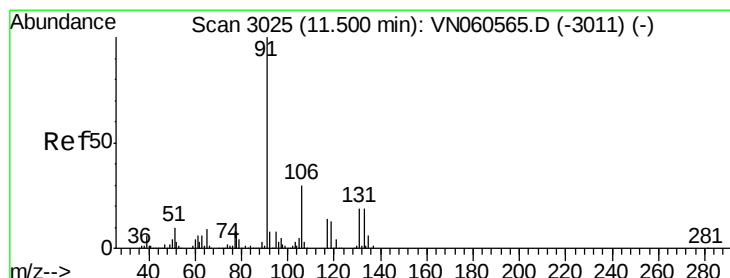
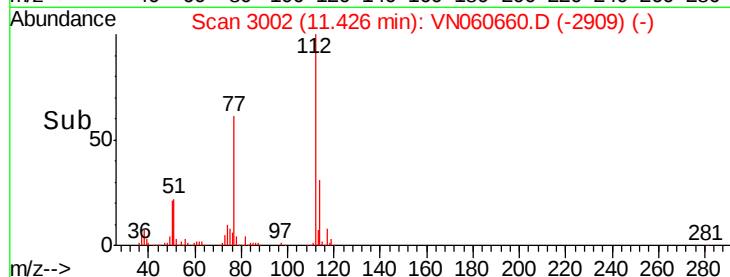
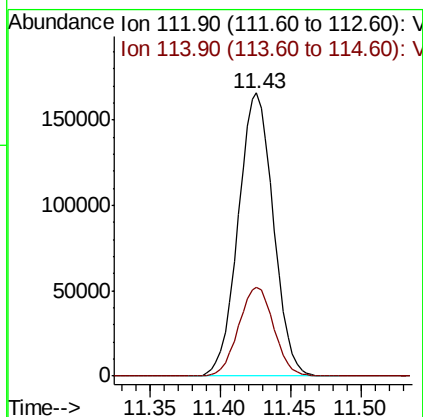
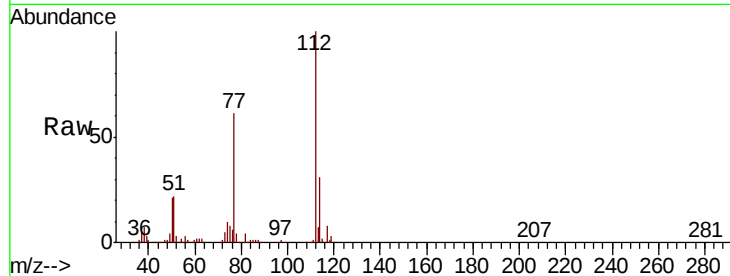




#65
Chlorobenzene
Concen: 48.905 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

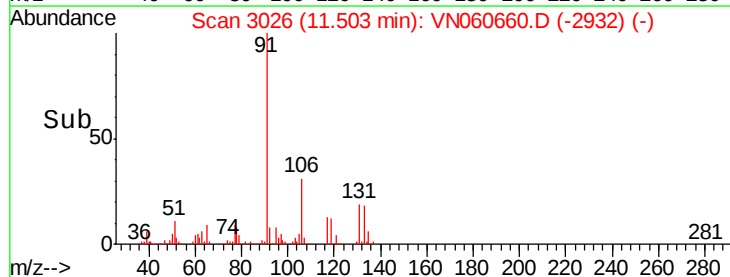
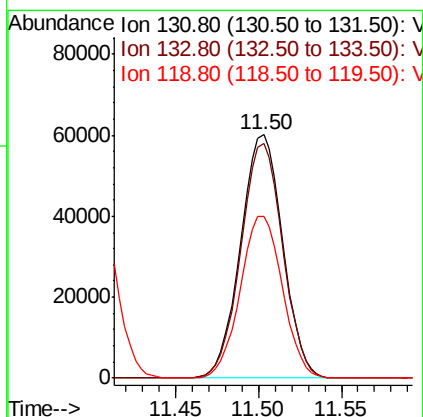
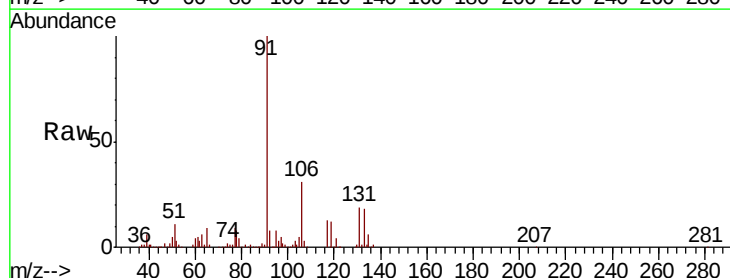
Instrument :
MSVOA_N
ClientSampled :

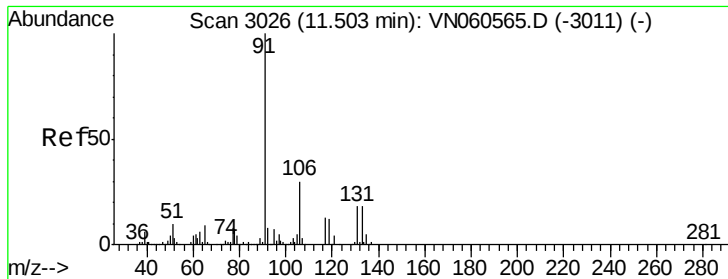
Tot Ion:112 Resp: 288979
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.689 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

Tgt Ion:131 Resp: 106307
Ion Ratio Lower Upper
131 100
133 95.8 48.9 146.8
119 66.5 33.9 101.7





#67

Ethyl Benzene

Concen: 49.484 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Instrument :

MSVOA_N

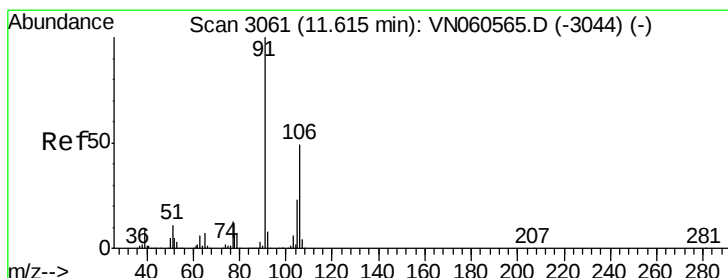
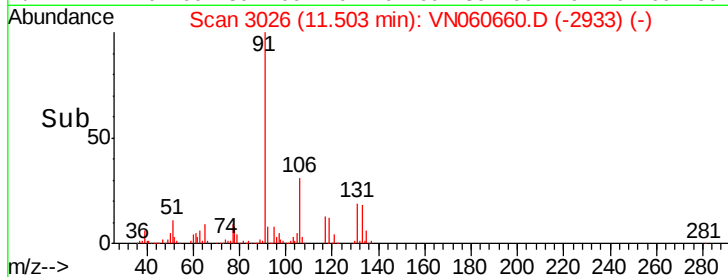
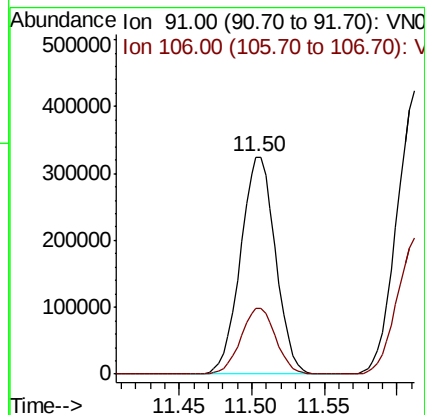
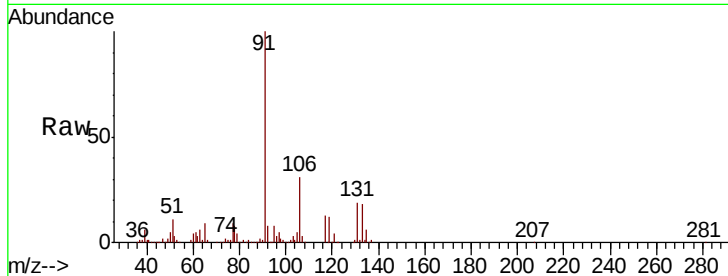
ClientSampled :

Tot Ion: 91 Resp: 543755

Ion Ratio Lower Upper

91 100

106 30.5 24.2 36.2



#68

m/p-Xylenes

Concen: 98.170 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060660.D

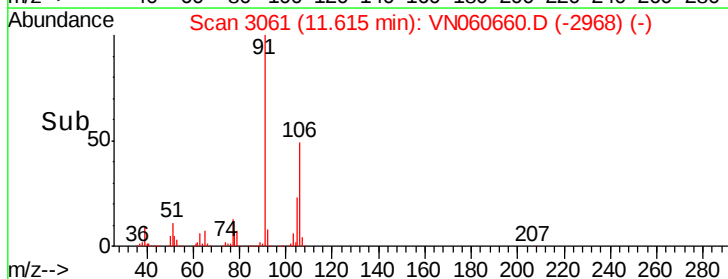
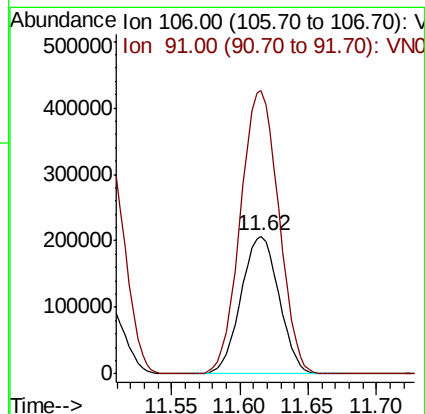
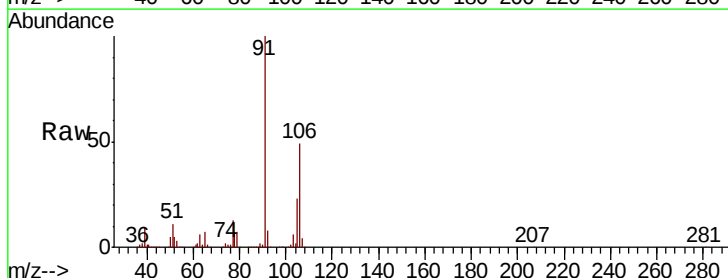
Acq: 20 Mar 2020 18:04

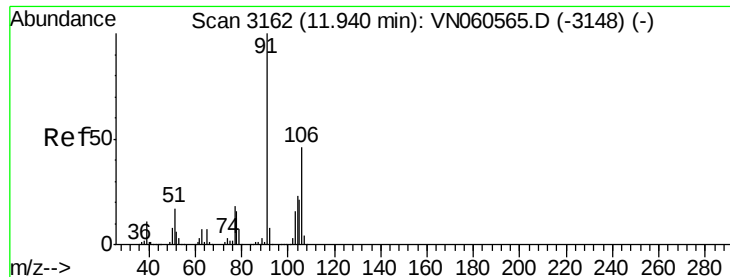
Tgt Ion: 106 Resp: 400868

Ion Ratio Lower Upper

106 100

91 207.2 165.0 247.4

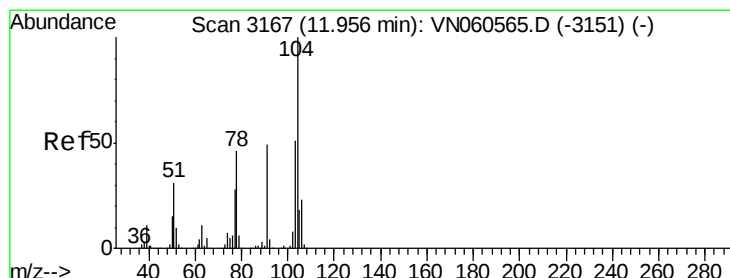
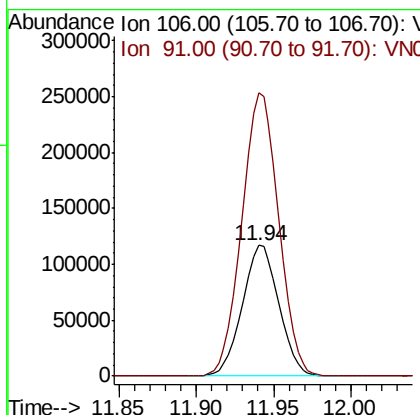
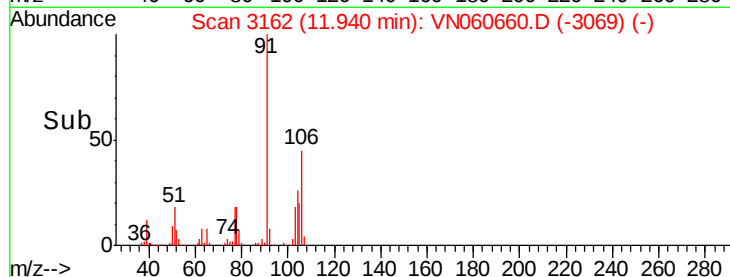
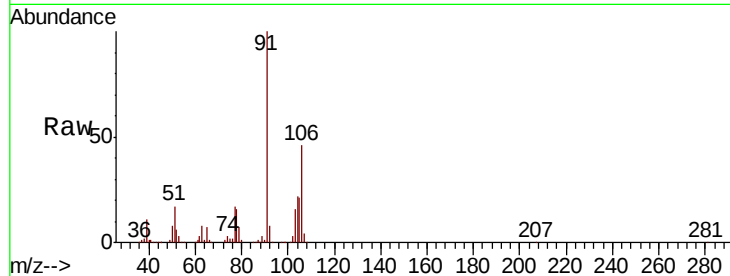




#69
o-Xylene
Concen: 49.459 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

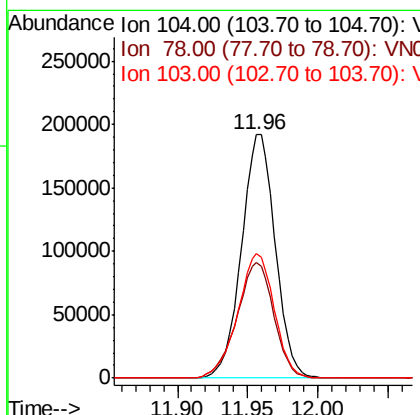
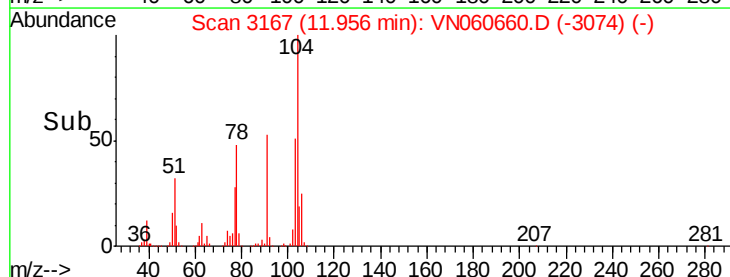
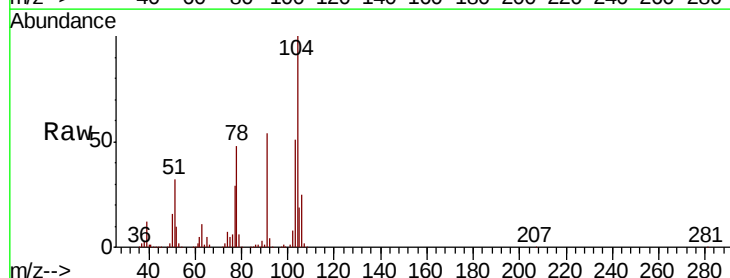
Instrument :
MSVOA_N
ClientSampled :

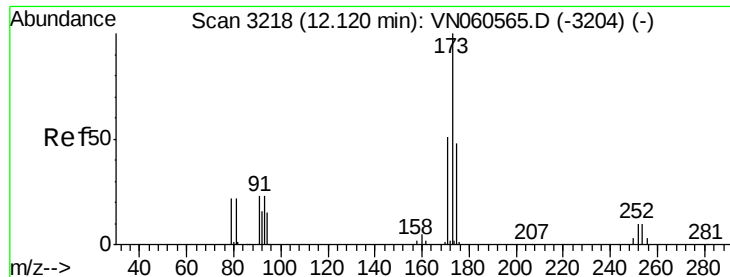
Tot Ion:106 Resp: 192796
Ion Ratio Lower Upper
106 100
91 217.8 109.5 328.4



#70
Styrene
Concen: 50.571 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

Tgt Ion:104 Resp: 322405
Ion Ratio Lower Upper
104 100
78 51.9 41.2 61.8
103 55.1 44.0 66.0

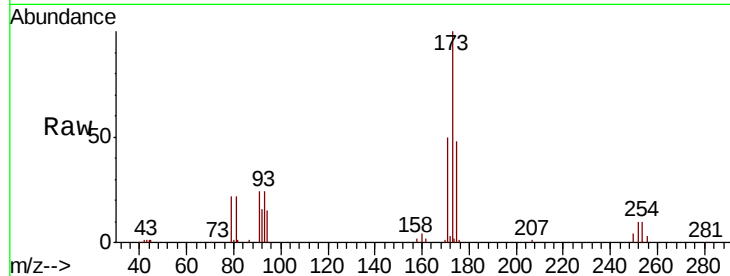




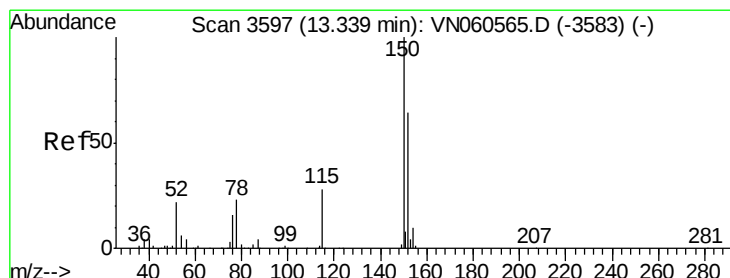
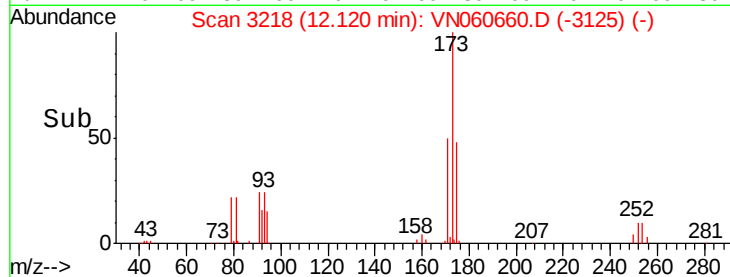
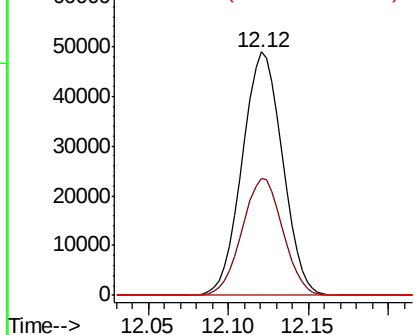
#71
Bromoform
Concen: 47.388 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 84102
Ion Ratio Lower Upper
173 100
175 48.5 24.1 72.4
254 0.0 0.0 0.0

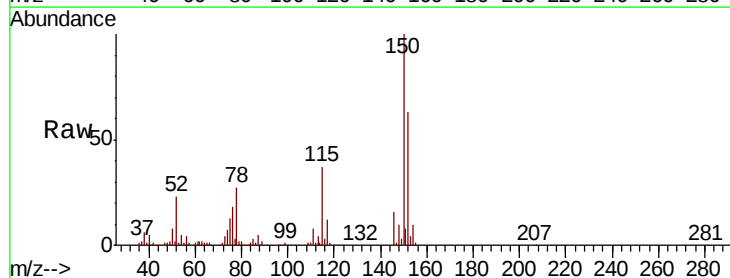


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

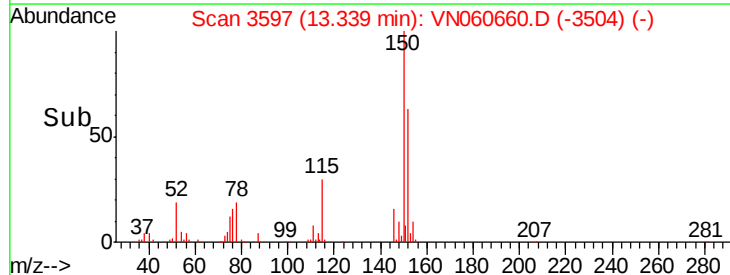
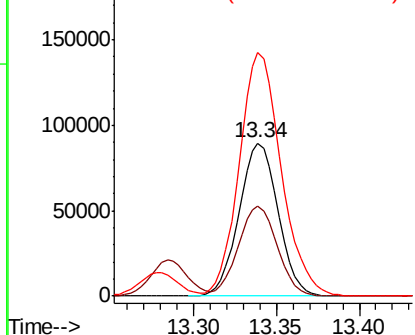


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

Tgt Ion:152 Resp: 146365
Ion Ratio Lower Upper
152 100
115 58.7 30.2 90.6
150 171.6 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: 46.777 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Instrument :

MSVOA_N

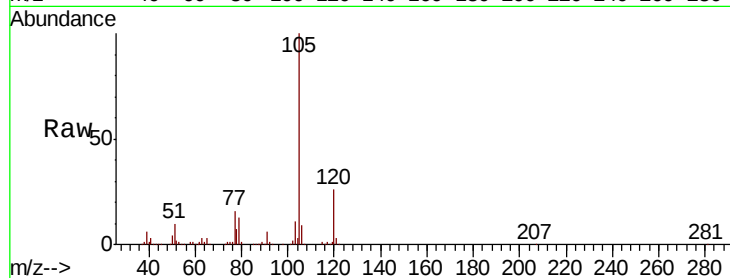
ClientSampleId :

Tot Ion:105 Resp: 513802

Ion Ratio Lower Upper

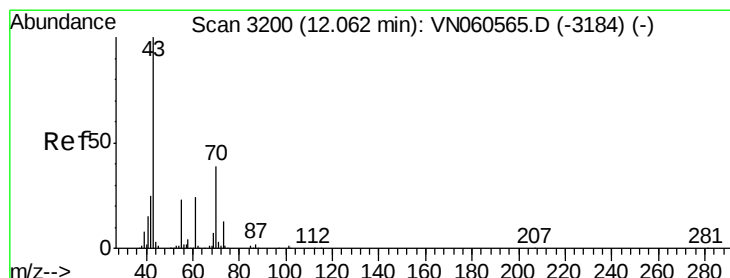
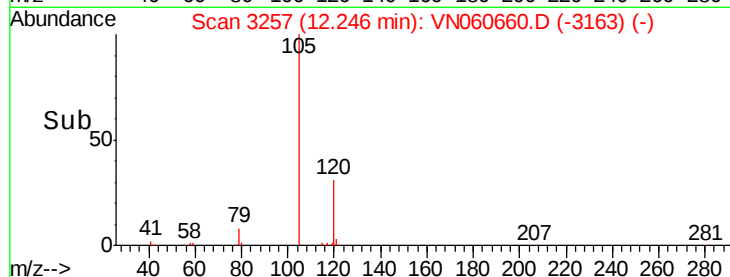
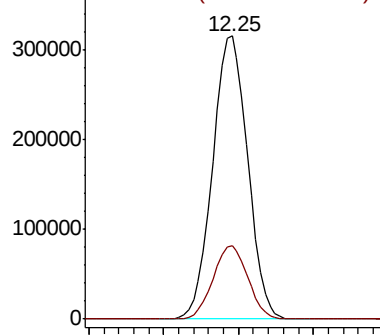
105 100

120 25.7 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.284 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Tgt Ion: 43 Resp: 245073

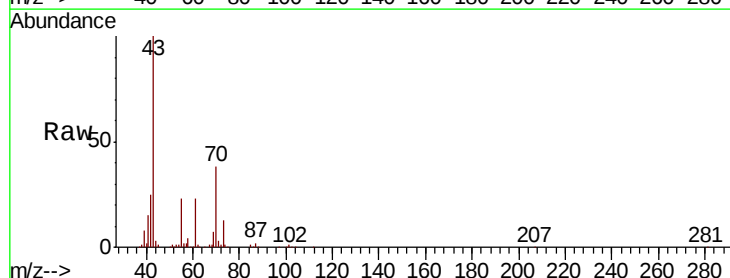
Ion Ratio Lower Upper

43 100

70 39.1 31.1 46.7

55 23.3 18.6 27.8

61 23.0 18.9 28.3

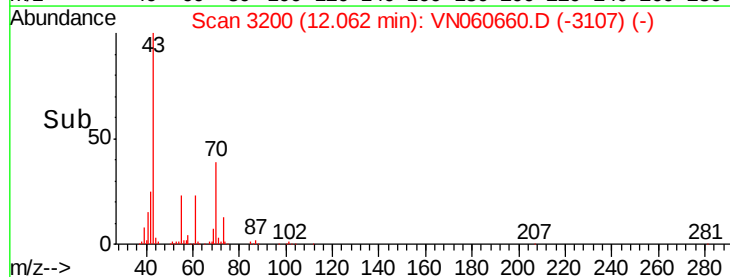
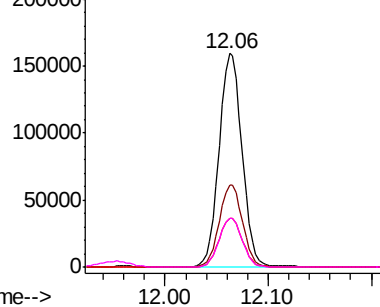


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.116 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Instrument :

MSVOA_N

ClientSampled :

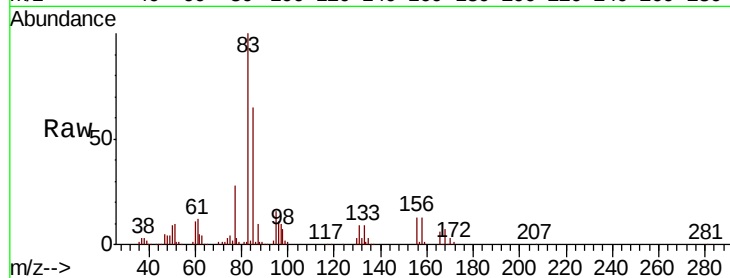
Tot Ion: 83 Resp: 159826

Ion Ratio Lower Upper

83 100

131 9.4 4.9 14.7

85 64.2 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN060660.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060660.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060660.D (-3243) (-)

12.50

100000

80000

60000

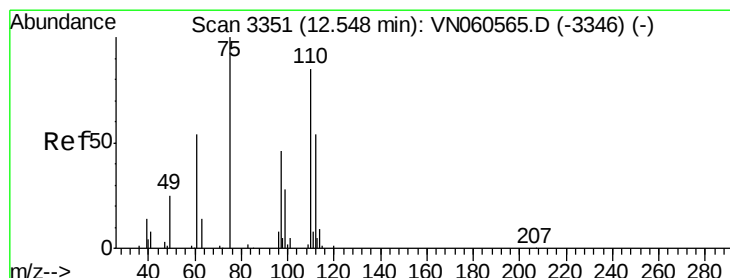
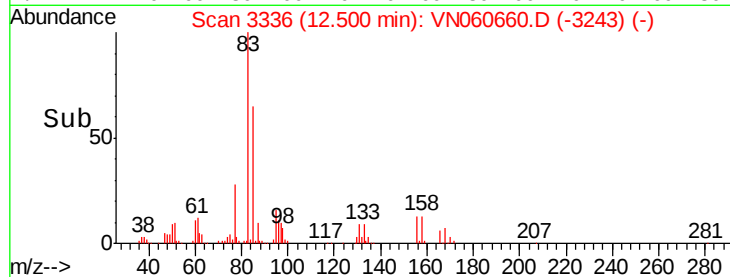
40000

20000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 67.817 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060660.D

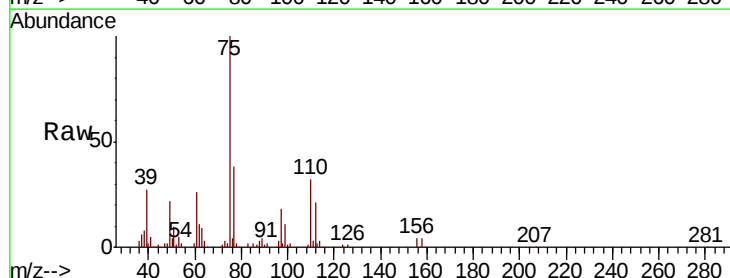
Acq: 20 Mar 2020 18:04

Tgt Ion: 75 Resp: 214183

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060660.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060660.D (-3258) (-)

12.55

150000

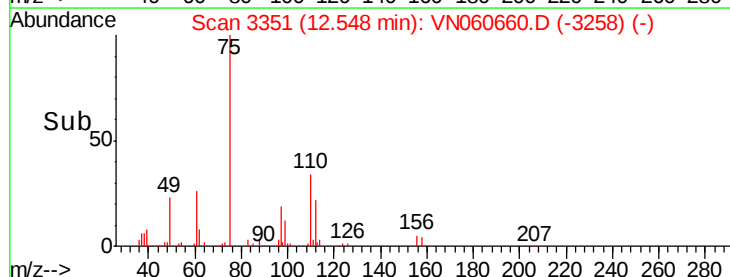
100000

50000

0

12.50 12.55 12.60

Time-->





#77

Bromobenzene

Concen: 46.750 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Instrument :

MSVOA_N

ClientSampled :

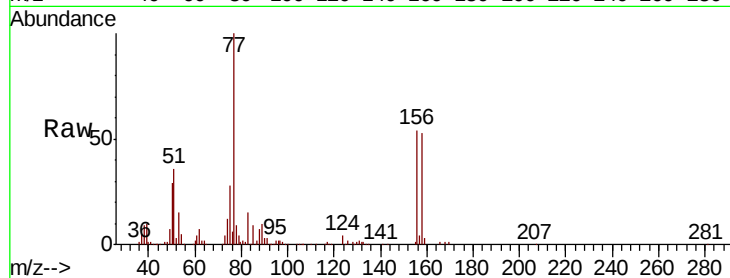
Tot Ion:156 Resp: 123737

Ion Ratio Lower Upper

156 100

77 222.6 112.3 337.0

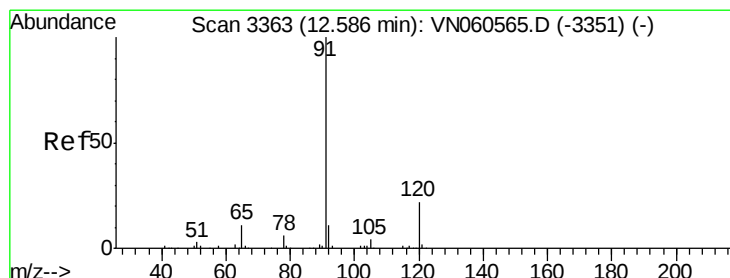
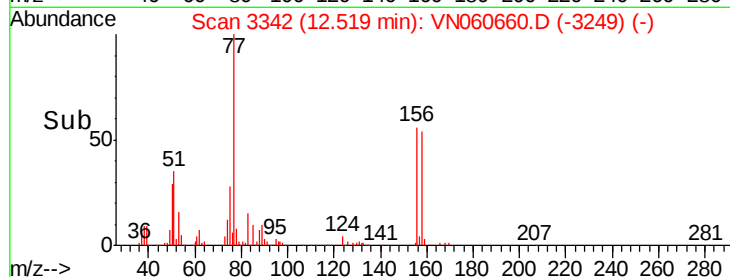
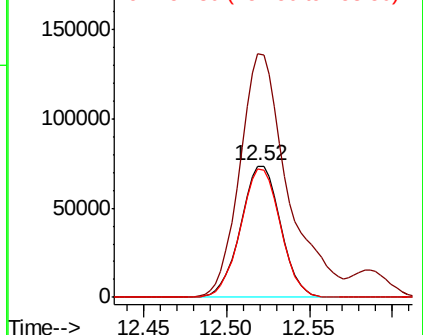
158 97.7 48.6 145.8



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: 47.150 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060660.D

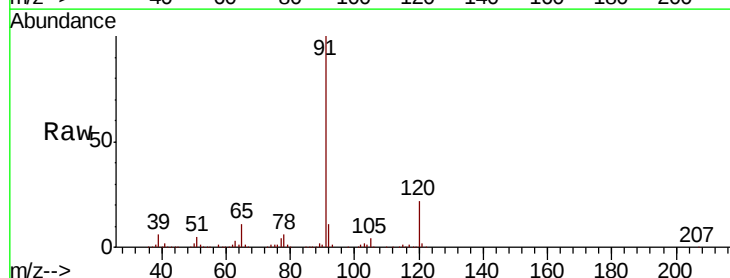
Acq: 20 Mar 2020 18:04

Tgt Ion: 91 Resp: 611865

Ion Ratio Lower Upper

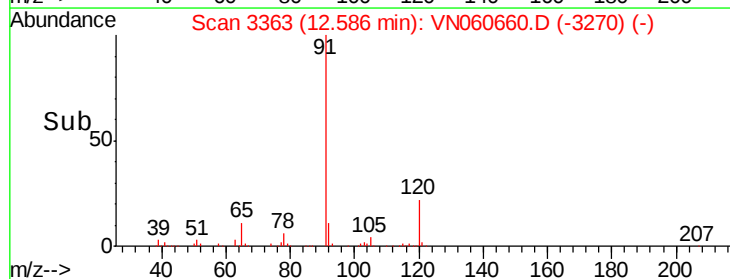
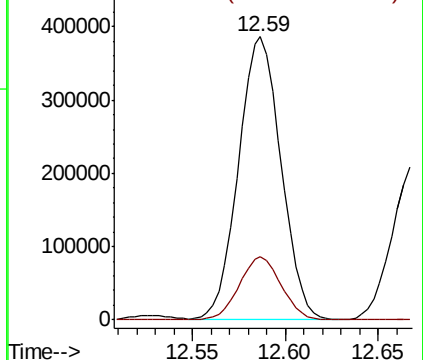
91 100

120 22.1 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: 46.172 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Instrument :

MSVOA_N

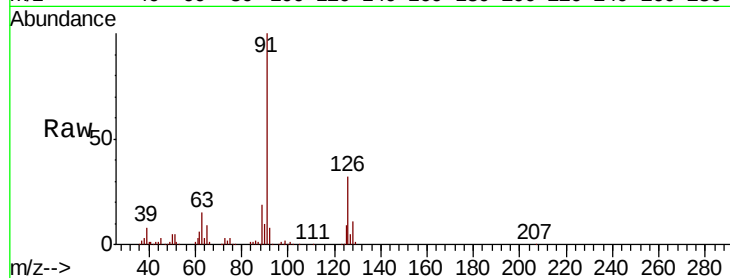
ClientSampleId :

Tot Ion: 91 Resp: 358005

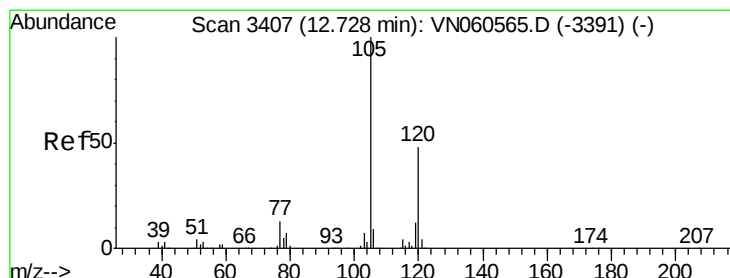
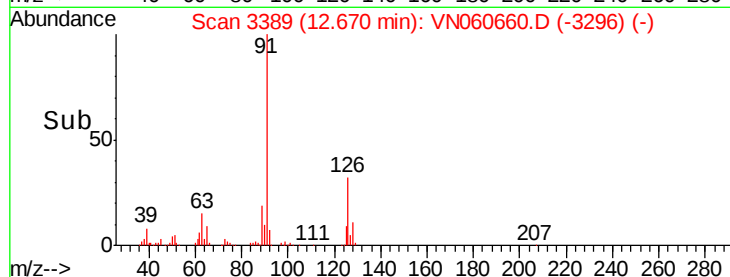
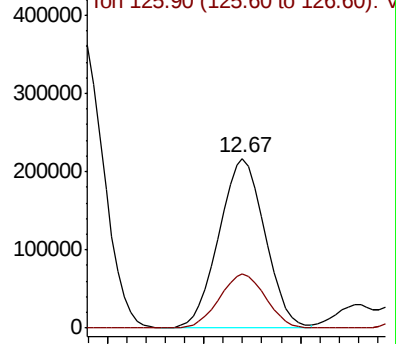
Ion Ratio Lower Upper

91 100

126 32.2 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060660.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.890 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060660.D

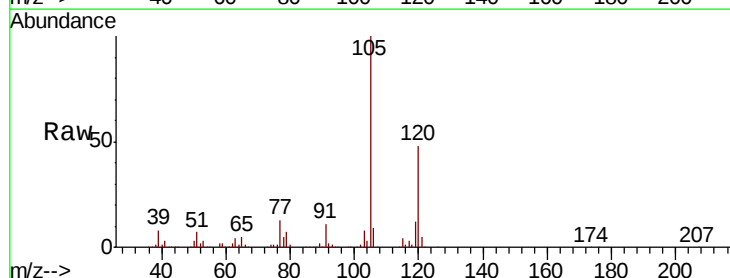
Acq: 20 Mar 2020 18:04

Tgt Ion: 105 Resp: 437084

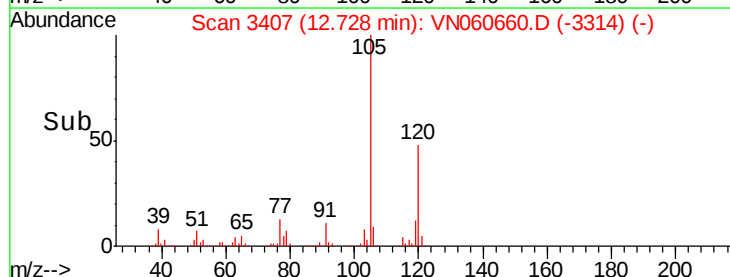
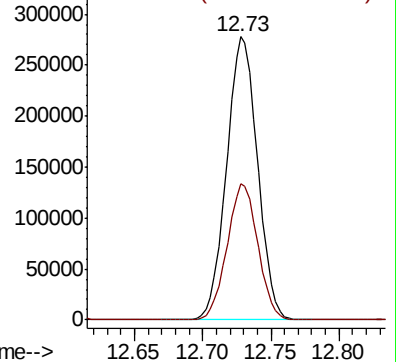
Ion Ratio Lower Upper

105 100

120 47.8 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060660.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.891 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Instrument :

MSVOA_N

ClientSampleId :

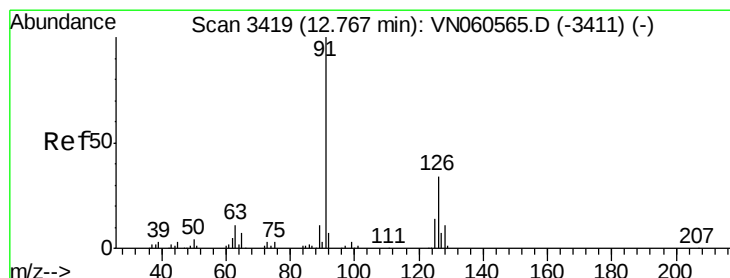
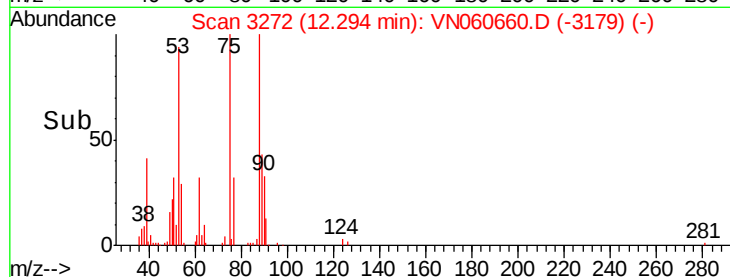
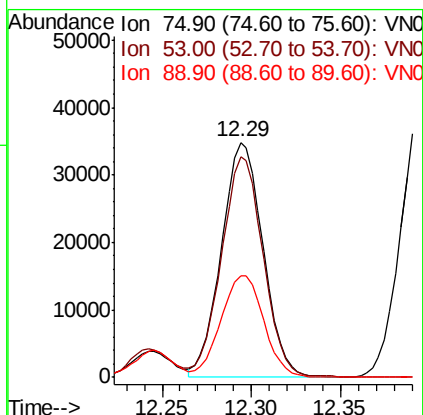
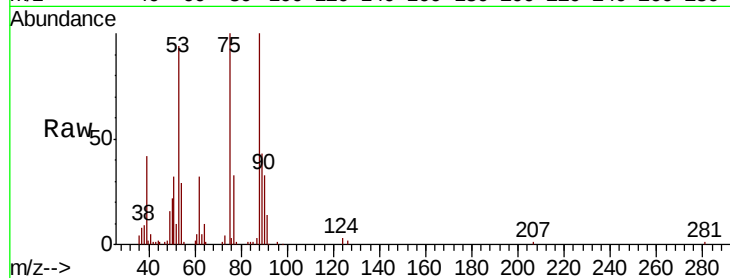
Tot Ion: 75 Resp: 56432

Ion Ratio Lower Upper

75 100

53 94.3 73.0 109.4

89 44.7 34.8 52.2



#82

4-Chlorotoluene

Concen: 47.375 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060660.D

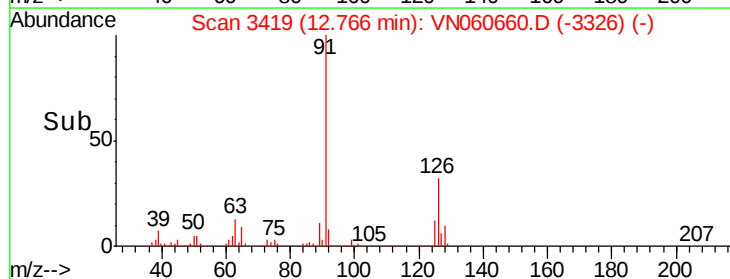
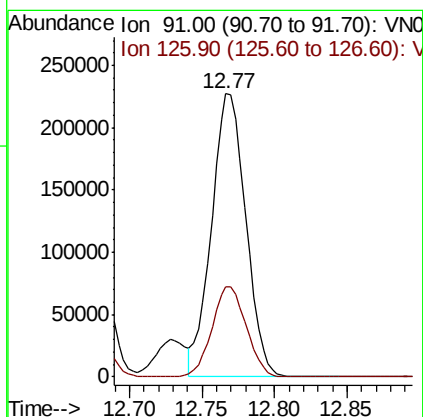
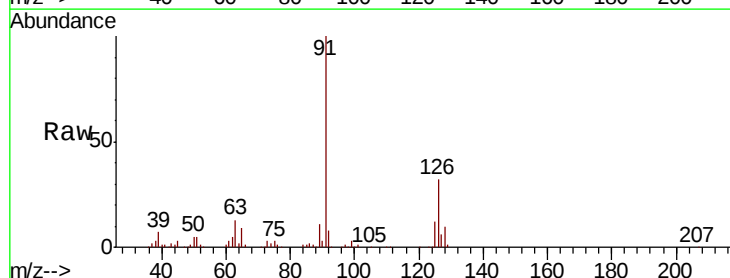
Acq: 20 Mar 2020 18:04

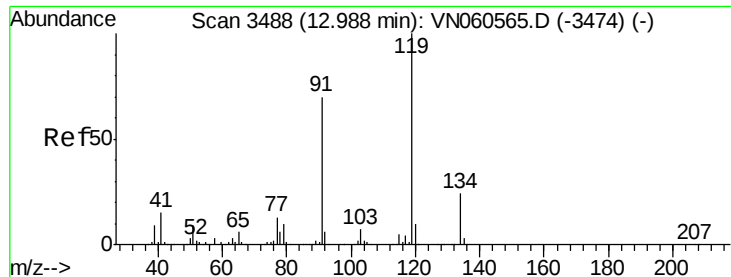
Tgt Ion: 91 Resp: 374129

Ion Ratio Lower Upper

91 100

126 31.9 16.2 48.5

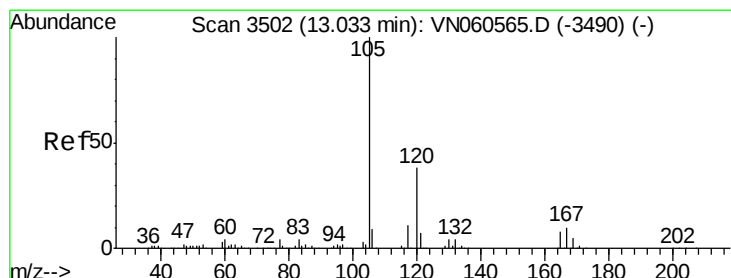
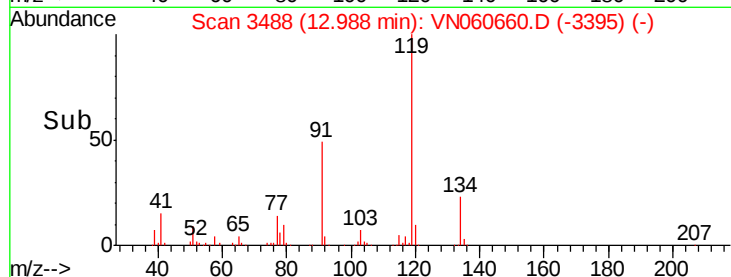
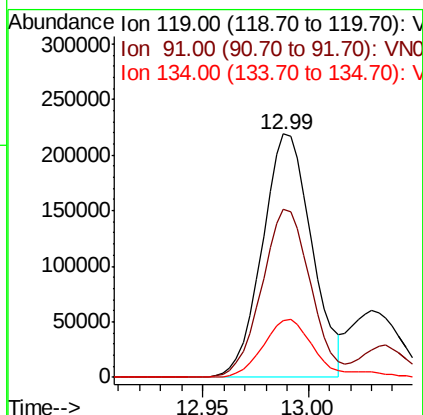
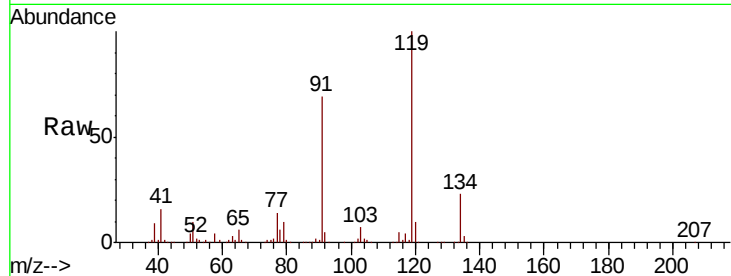




#83
tert-Butylbenzene
Concen: 46.325 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

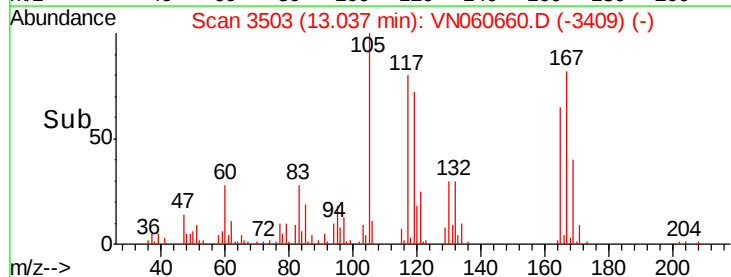
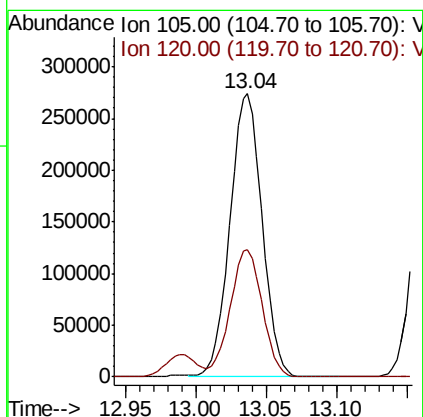
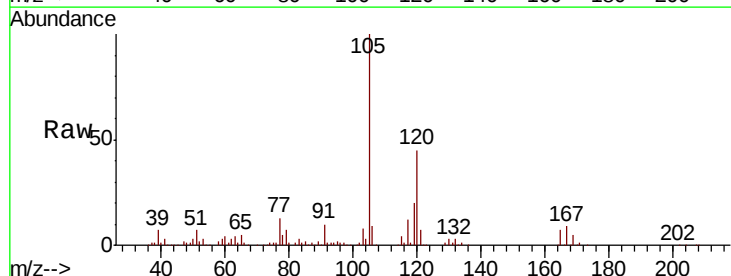
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 357962
Ion Ratio Lower Upper
119 100
91 67.9 34.0 101.8
134 25.4 12.7 38.0



#84
1,2,4-Trimethylbenzene
Concen: 47.353 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

Tgt Ion:105 Resp: 436679
Ion Ratio Lower Upper
105 100
120 44.9 22.1 66.5





#85

sec-Butylbenzene

Concen: 47.240 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Instrument :

MSVOA_N

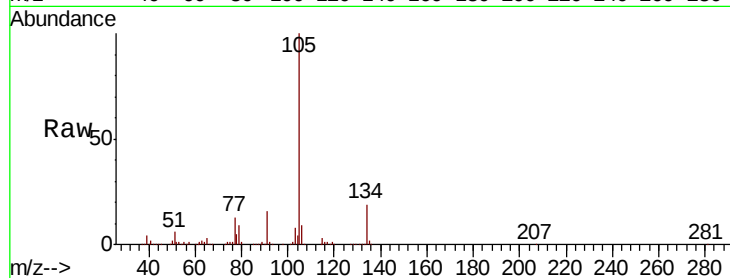
ClientSampleId :

Tot Ion:105 Resp: 490856

Ion Ratio Lower Upper

105 100

134 19.2 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

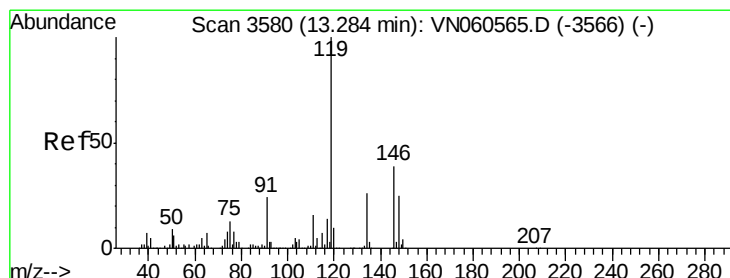
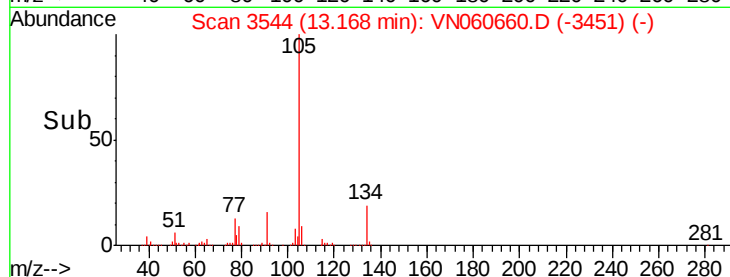
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 47.400 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

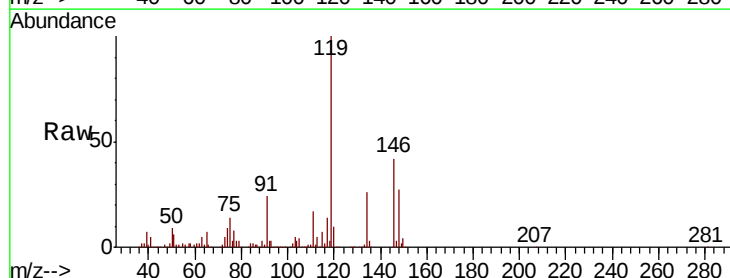
Tgt Ion:119 Resp: 442893

Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

91 24.3 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

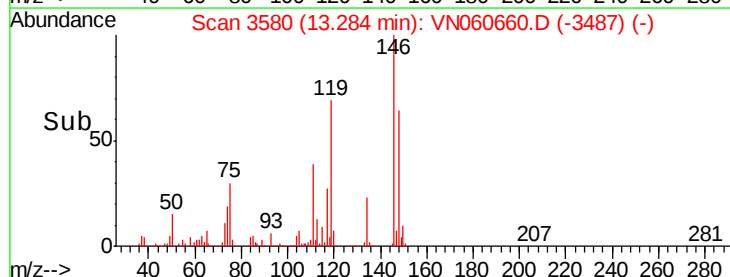
300000

200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 47.589 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060660.D

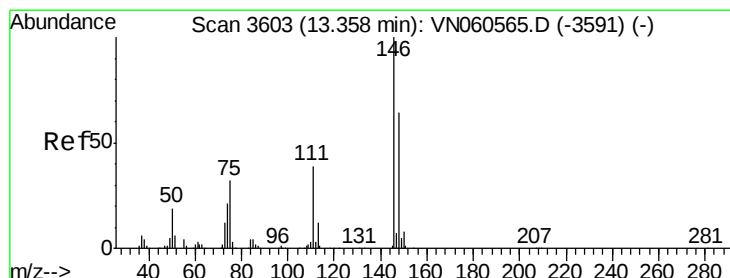
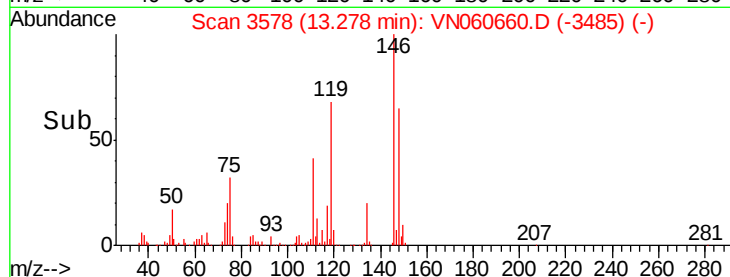
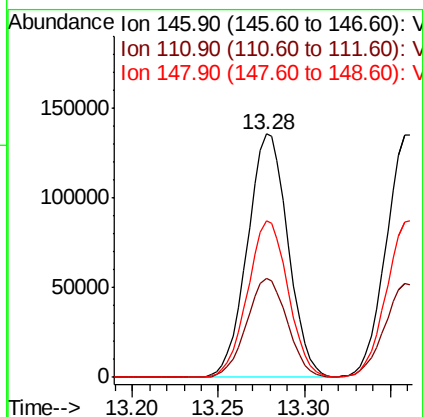
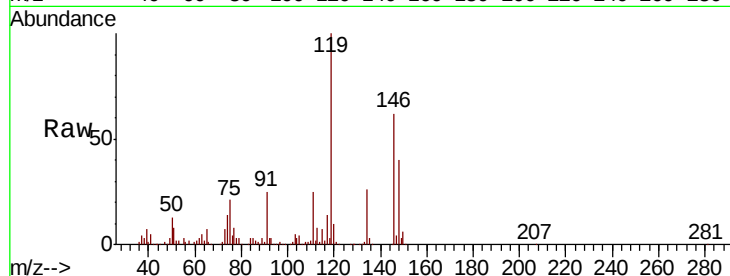
Acq: 20 Mar 2020 18:04

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	222151
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.8
148	64.2	32.5	97.4



#88

1,4-Dichlorobenzene

Concen: 47.669 ug/l

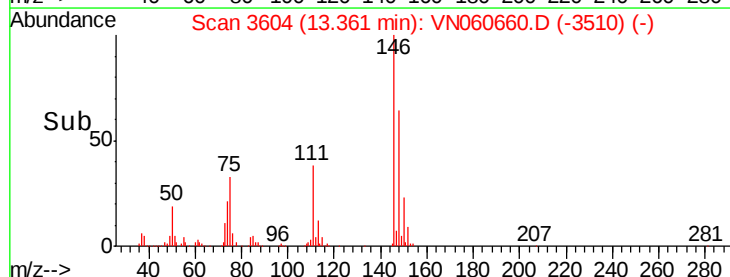
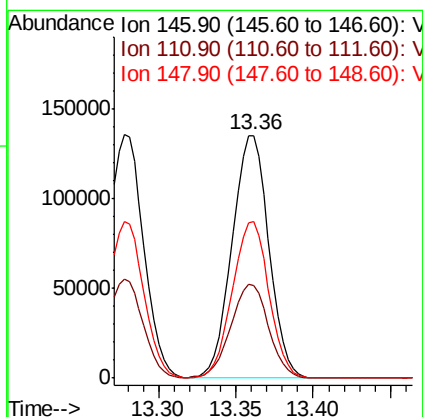
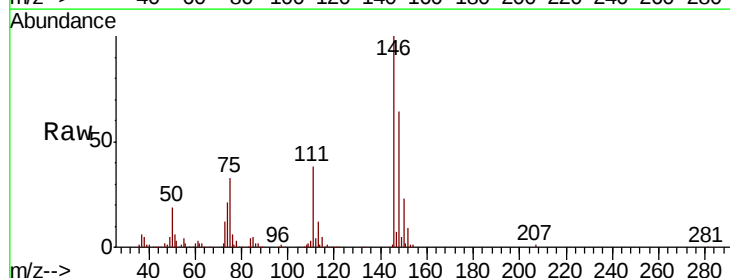
RT: 13.36 min Scan# 3604

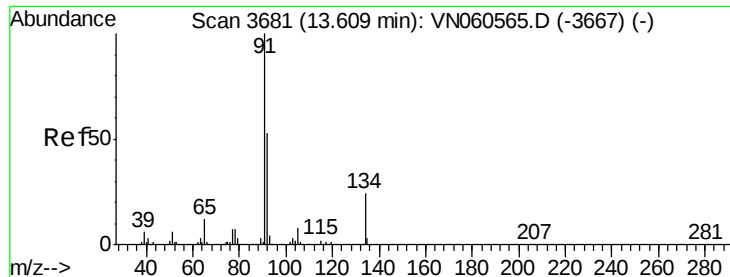
Delta R.T. 0.00 min

Lab File: VN060660.D

Acq: 20 Mar 2020 18:04

Tgt Ion:	146	Resp:	223571
Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.7
148	64.2	32.1	96.3

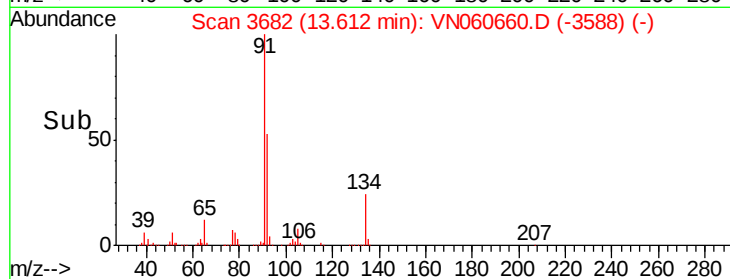
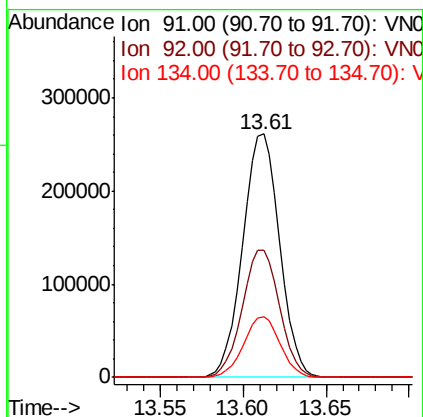
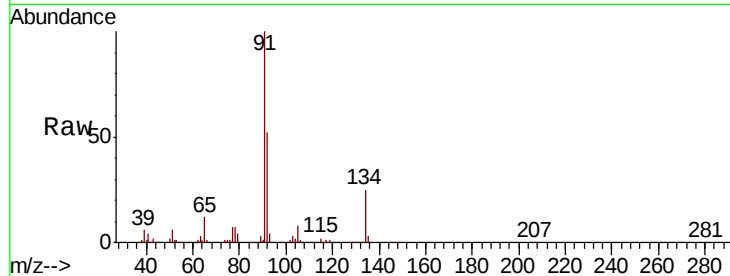




#89
n-Butylbenzene
Concen: 47.954 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

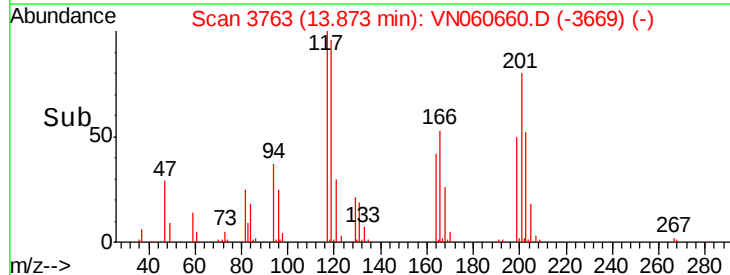
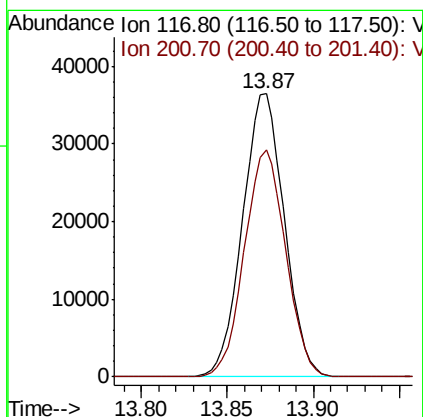
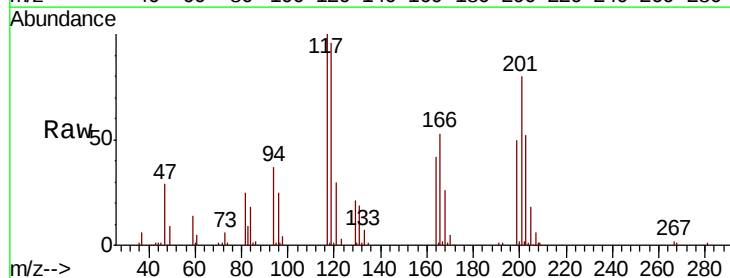
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 404539
Ion Ratio Lower Upper
91 100
92 52.7 26.2 78.5
134 24.7 12.3 36.9



#90
Hexachloroethane
Concen: 45.272 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

Tgt Ion: 117 Resp: 61488
Ion Ratio Lower Upper
117 100
201 79.2 40.8 122.5

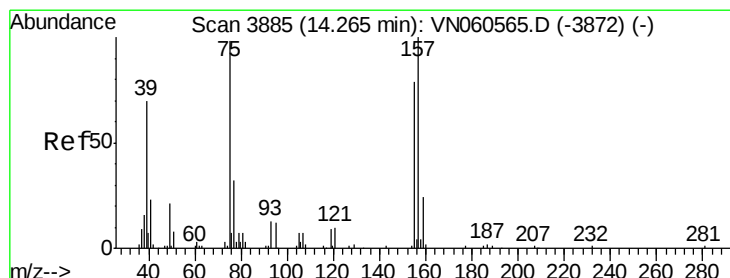
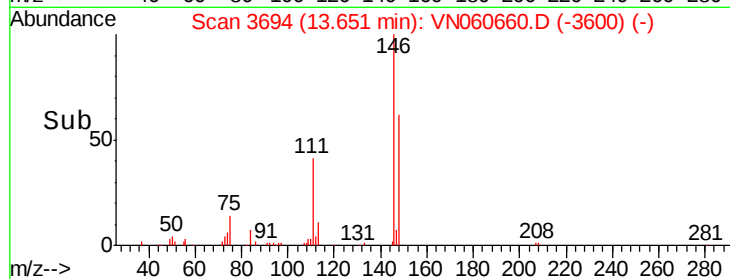
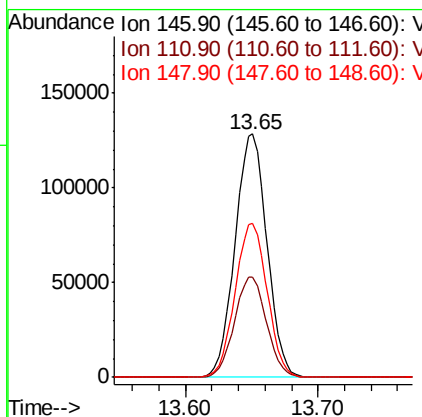
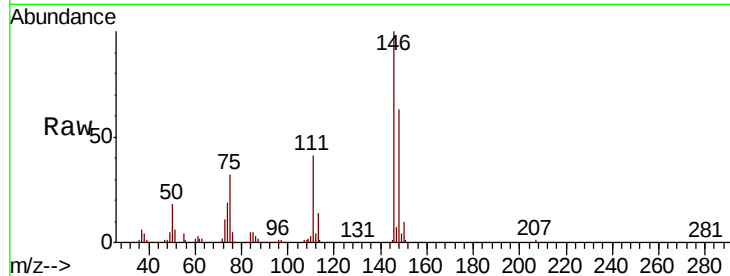




#91
 1,2-Dichlorobenzene
 Concen: 48.083 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060660.D
 Acq: 20 Mar 2020 18:04

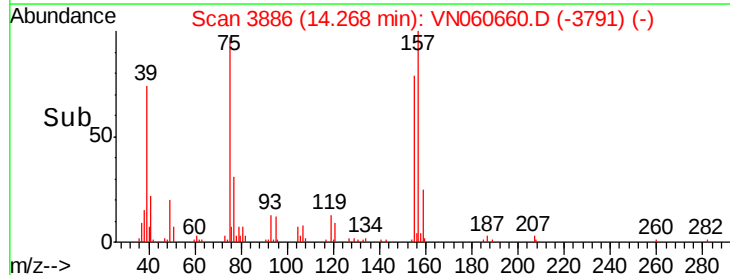
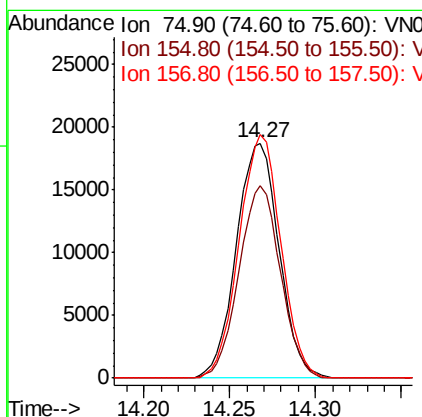
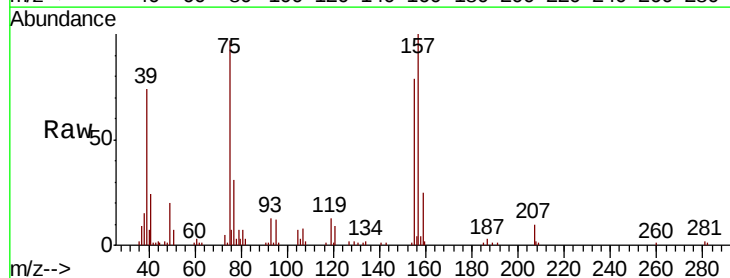
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:146 Resp: 214626
 Ion Ratio Lower Upper
 146 100
 111 41.4 21.0 63.0
 148 63.4 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.588 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060660.D
 Acq: 20 Mar 2020 18:04

Tgt Ion: 75 Resp: 32426
 Ion Ratio Lower Upper
 75 100
 155 79.5 40.7 122.1
 157 100.9 51.5 154.7

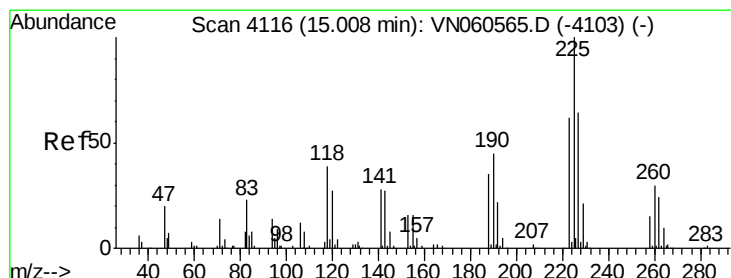
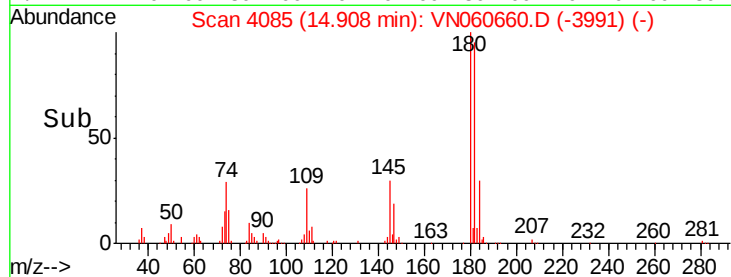
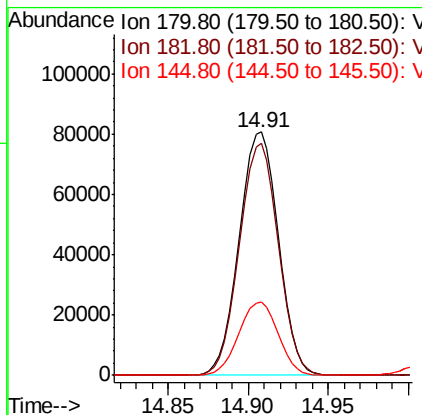
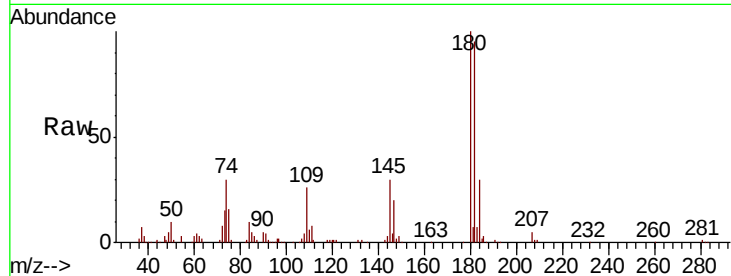




#93
 1,2,4-Trichlorobenzene
 Concen: 49.180 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060660.D
 Acq: 20 Mar 2020 18:04

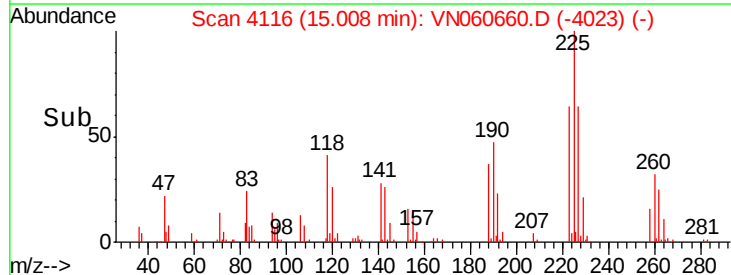
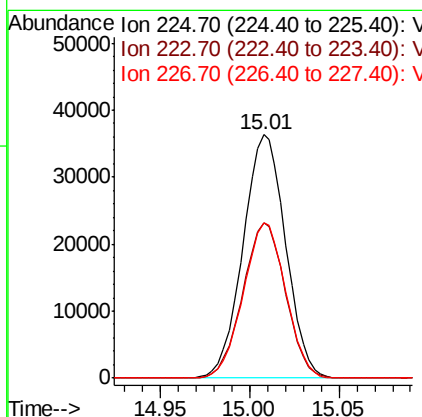
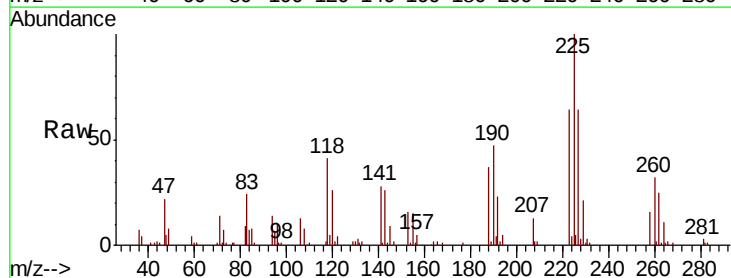
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 134807
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.9 143.8
 145 30.3 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 45.128 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060660.D
 Acq: 20 Mar 2020 18:04

Tgt Ion:225 Resp: 60641
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.6 95.0
 227 63.5 32.3 96.8

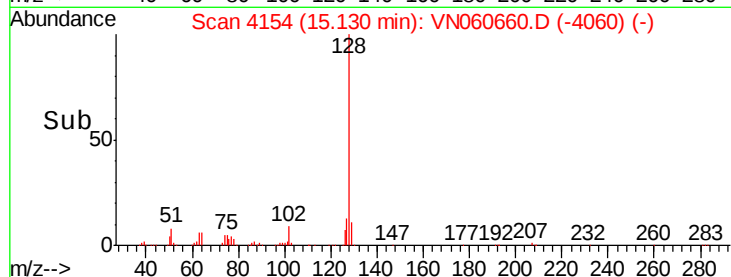
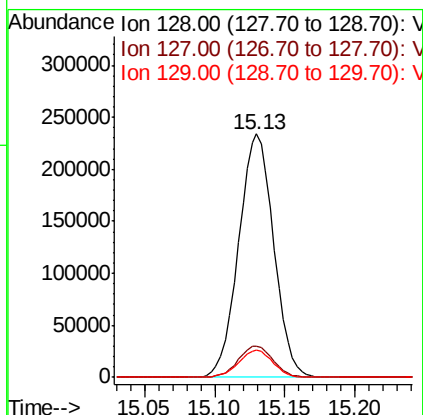
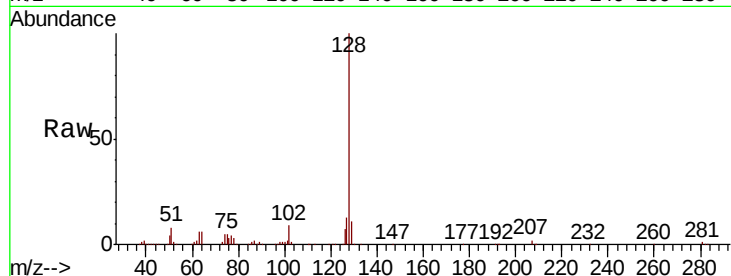




#95
Naphthalene
Concen: 49.285 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 406340
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 47.273 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060660.D
Acq: 20 Mar 2020 18:04

Tgt Ion:180 Resp: 127633
Ion Ratio Lower Upper
180 100
182 96.4 47.5 142.6
145 32.4 16.3 48.8

