

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032420\
 Data File : VN060685.D
 Acq On : 24 Mar 2020 20:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 25 04:00:01 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	185868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	316302	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	296058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145690	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	128429	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
35) Dibromofluoromethane	7.56	113	95460	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
50) Toluene-d8	10.08	98	384990	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.40	95	143225	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	91963	51.135	ug/l	99
3) Chloromethane	2.04	50	157141	46.784	ug/l	99
4) Vinyl Chloride	2.17	62	124178	47.267	ug/l	100
5) Bromomethane	2.54	94	56566	49.877	ug/l	99
6) Chloroethane	2.68	64	76641	50.642	ug/l	100
7) Trichlorofluoromethane	3.00	101	163628	50.560	ug/l	97
8) Diethyl Ether	3.38	74	66676	51.286	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	95695	51.030	ug/l	99
10) Methyl Iodide	3.93	142	85147	51.027	ug/l	100
11) Tert butyl alcohol	4.72	59	99900	266.222	ug/l	99
12) 1,1-Dichloroethene	3.72	96	98854	49.123	ug/l	95
13) Acrolein	3.57	56	147005	353.471	ug/l	100
14) Allyl chloride	4.29	41	170578	48.195	ug/l	99
15) Acrylonitrile	4.94	53	300465	272.293	ug/l	100
16) Acetone	3.78	43	242820	268.663	ug/l	99
17) Carbon Disulfide	4.03	76	294697	48.152	ug/l	99
18) Methyl Acetate	4.28	43	137034	53.866	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	346703	50.111	ug/l	99
20) Methylene Chloride	4.52	84	111432	50.119	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	106387	49.603	ug/l	96
22) Diisopropyl ether	5.91	45	390180	52.181	ug/l	98
23) Vinyl Acetate	5.86	43	1652897	270.921	ug/l	99
24) 1,1-Dichloroethane	5.82	63	209794	51.466	ug/l	100
25) 2-Butanone	6.80	43	399366	273.067	ug/l	100
26) 2,2-Dichloropropane	6.80	77	155525	48.492	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	123372	50.619	ug/l	100
28) Bromochloromethane	7.17	49	101838	52.216	ug/l	99
29) Tetrahydrofuran	7.18	42	275539	266.275	ug/l	99
30) Chloroform	7.35	83	199138	50.959	ug/l	99
31) Cyclohexane	7.63	56	196399	47.791	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	172396	51.174	ug/l	99
36) 1,1-Dichloropropene	7.77	75	154214	50.351	ug/l	100
37) Ethyl Acetate	6.90	43	170934	51.651	ug/l	100
38) Carbon Tetrachloride	7.75	117	137567	50.115	ug/l	98

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

39) Methylcyclohexane	9.07	83	181685	49.917	ug/l	99
40) Benzene	8.02	78	464268	50.214	ug/l	100
41) Methacrylonitrile	7.18	41	246507	174.536	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	161258	51.035	ug/l	100
43) Isopropyl Acetate	8.14	43	284188	52.070	ug/l	100
44) Trichloroethene	8.82	130	116631	50.040	ug/l	99
45) 1,2-Dichloropropane	9.10	63	125087	51.272	ug/l	98
46) Dibromomethane	9.19	93	76749	52.036	ug/l	99
47) Bromodichloromethane	9.39	83	159463	52.029	ug/l	99
48) Methyl methacrylate	9.18	41	129261	53.194	ug/l	100
49) 1,4-Dioxane	9.18	88	32474	1124.319	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	850241	273.763	ug/l	100
52) Toluene	10.14	92	283501	50.772	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	181753	51.626	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	194194	50.280	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	110235	51.316	ug/l	98
56) Ethyl methacrylate	10.42	69	180748	53.963	ug/l	99
57) 1,3-Dichloropropane	10.70	76	193558	51.924	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	410926	246.840	ug/l	100
59) 2-Hexanone	10.74	43	622768	278.365	ug/l	100
60) Dibromochloromethane	10.89	129	118344	53.333	ug/l	100
61) 1,2-Dibromoethane	10.99	107	113380	52.488	ug/l	100
64) Tetrachloroethene	10.62	164	108779	46.692	ug/l	99
65) Chlorobenzene	11.43	112	289079	49.255	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	106146	49.951	ug/l	99
67) Ethyl Benzene	11.50	91	538957	49.380	ug/l	99
68) m/p-Xylenes	11.62	106	400251	98.685	ug/l	99
69) o-Xylene	11.94	106	191737	49.521	ug/l	99
70) Styrene	11.96	104	324516	51.248	ug/l	100
71) Bromoform	12.12	173	85546	48.489	ug/l #	99
73) Isopropylbenzene	12.25	105	513623	46.977	ug/l	100
74) N-amyl acetate	12.06	43	255770	50.625	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	164292	49.690	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	220543	70.154	ug/l #	100
77) Bromobenzene	12.52	156	124678	47.324	ug/l	99
78) n-propylbenzene	12.59	91	610519	47.264	ug/l	99
79) 2-Chlorotoluene	12.67	91	355900	46.113	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	436651	47.061	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	58682	47.941	ug/l	98
82) 4-Chlorotoluene	12.77	91	372855	47.433	ug/l	100
83) tert-Butylbenzene	12.99	119	362906	47.183	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	440913	48.034	ug/l	100
85) sec-Butylbenzene	13.17	105	490147	47.390	ug/l	100
86) p-Isopropyltoluene	13.28	119	439354	47.240	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	224037	48.215	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	224837	48.161	ug/l	99
89) n-Butylbenzene	13.61	91	402492	47.933	ug/l	99
90) Hexachloroethane	13.87	117	68588	50.734	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	219043	49.300	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	35270	50.934	ug/l	96

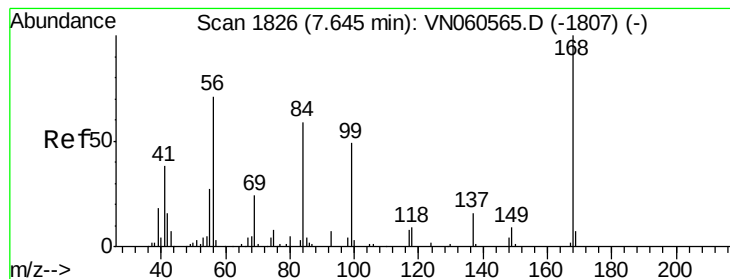
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	138144	50.631	ug/l	100
94) Hexachlorobutadiene	15.01	225	60699	45.381	ug/l	99
95) Naphthalene	15.13	128	426248	51.939	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	132919	49.459	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

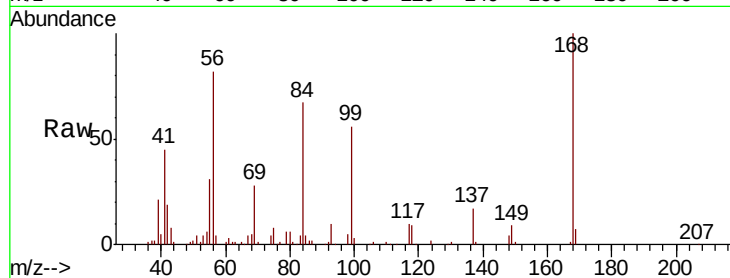
ClientSampleId :

Tot Ion:168 Resp: 185868

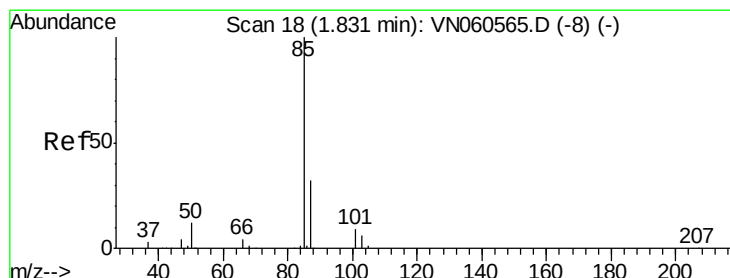
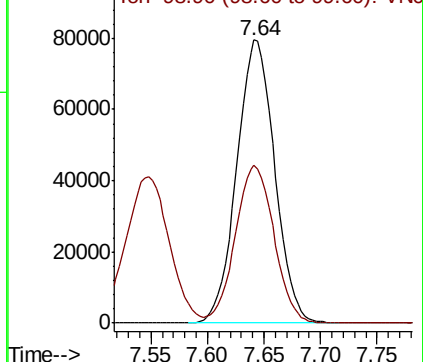
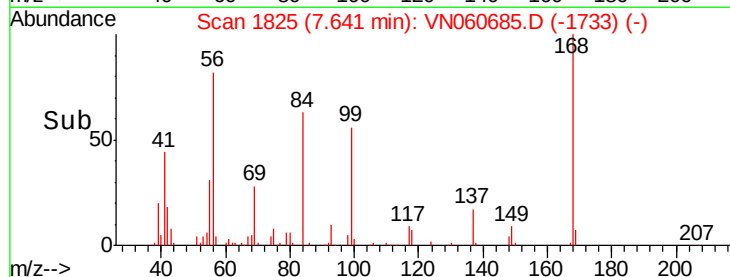
Ion Ratio Lower Upper

168 100

99 55.9 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060685.D (-1733) (-)



#2

Dichlorodifluoromethane

Concen: 51.135 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060685.D

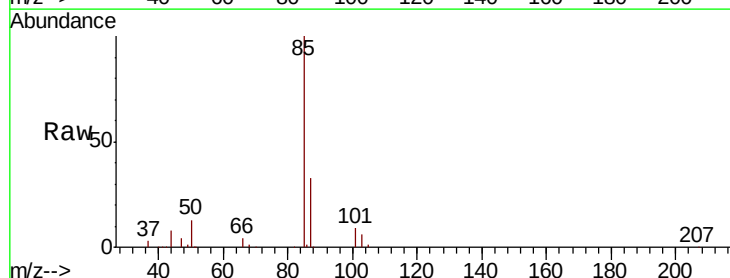
Acq: 24 Mar 2020 20:09

Tgt Ion: 85 Resp: 91963

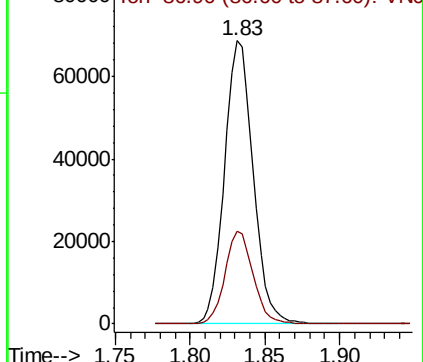
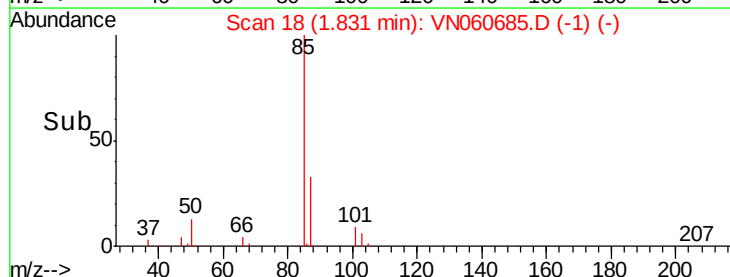
Ion Ratio Lower Upper

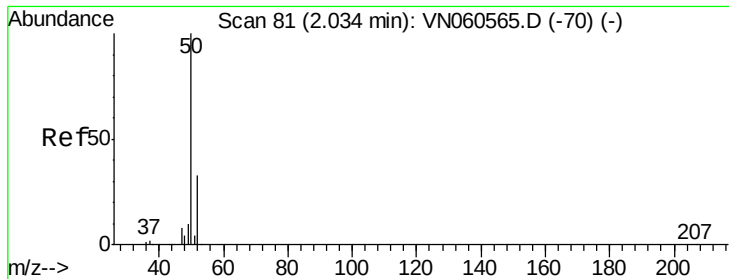
85 100

87 32.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN060685.D (-1) (-)





#3

Chloromethane

Concen: 46.784 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

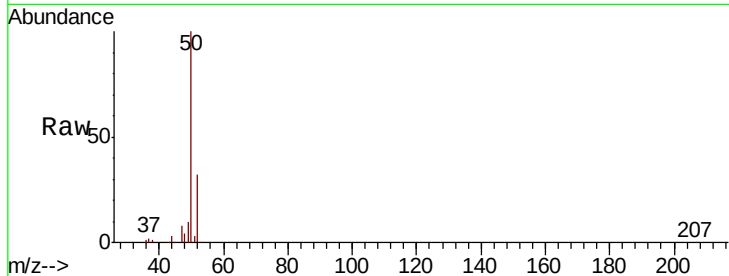
ClientSampleId :

Tot Ion: 50 Resp: 157141

Ion Ratio Lower Upper

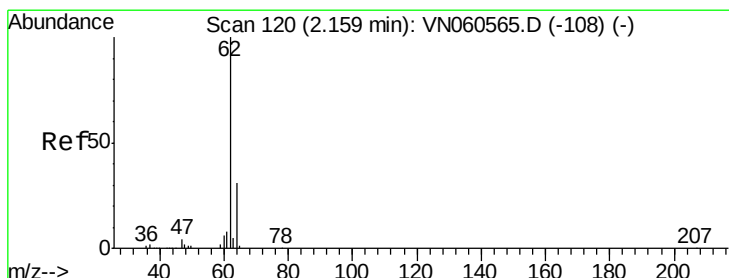
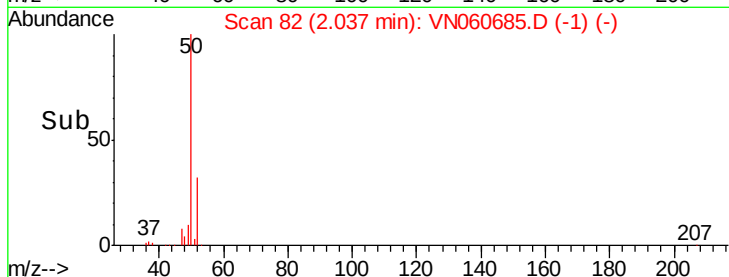
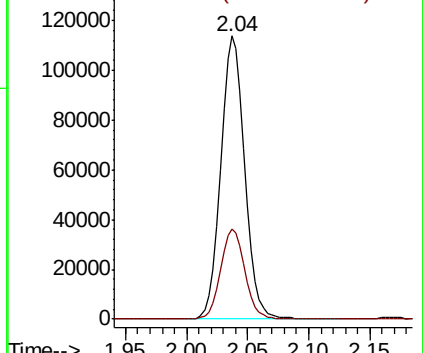
50 100

52 32.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 47.267 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060685.D

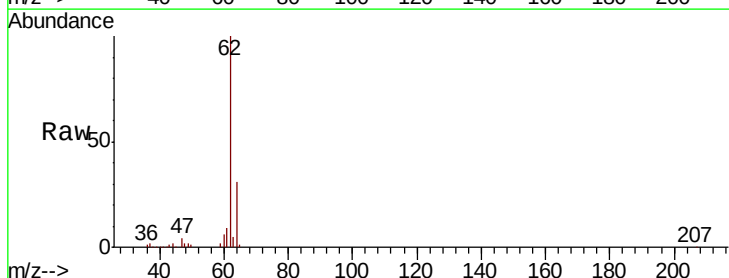
Acq: 24 Mar 2020 20:09

Tgt Ion: 62 Resp: 124178

Ion Ratio Lower Upper

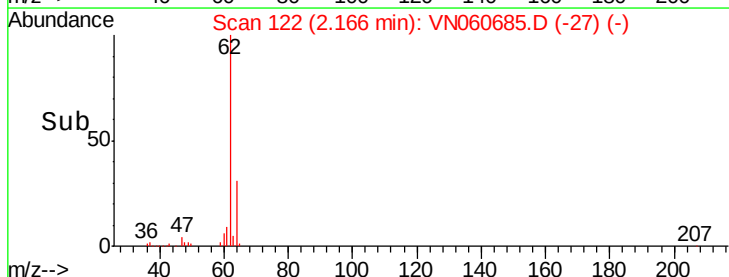
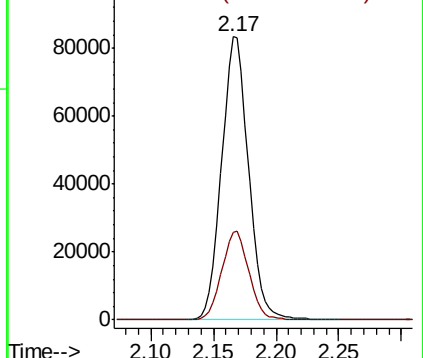
62 100

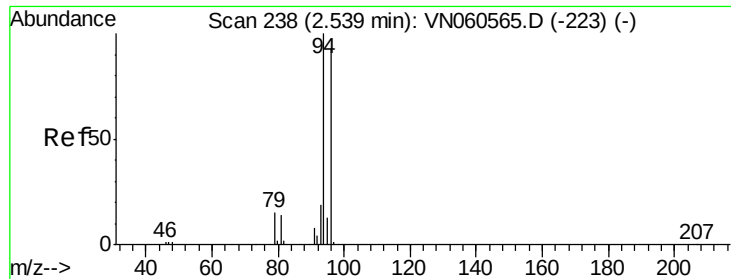
64 30.9 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 49.877 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

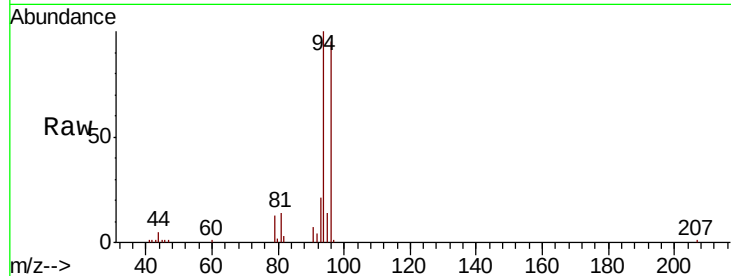
ClientSampled :

Tot Ion: 94 Resp: 56566

Ion Ratio Lower Upper

94 100

96 94.6 74.6 112.0

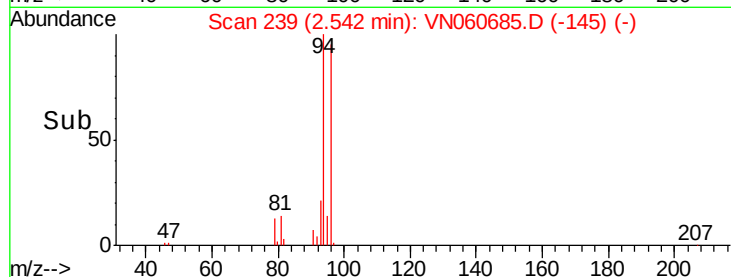


Abundance Ion 93.90 (93.60 to 94.60): VN060565.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN060565.D (-223) (-)

2.54

Time-->



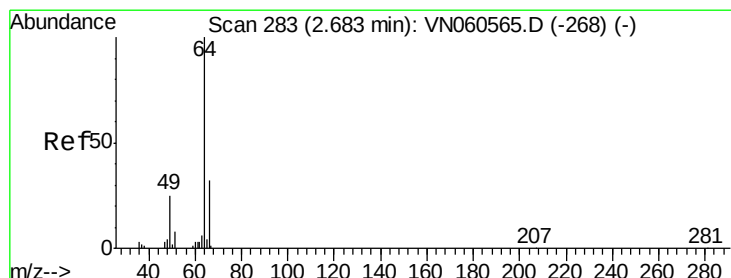
Abundance

Ion 93.90 (93.60 to 94.60): VN060685.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN060685.D (-145) (-)

2.54

Time-->



#6

Chloroethane

Concen: 50.642 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060685.D

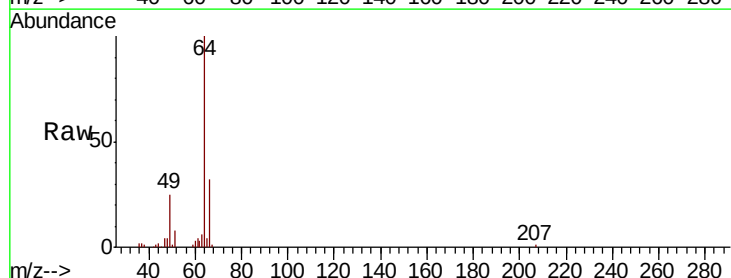
Acq: 24 Mar 2020 20:09

Tgt Ion: 64 Resp: 76641

Ion Ratio Lower Upper

64 100

66 31.6 25.3 37.9

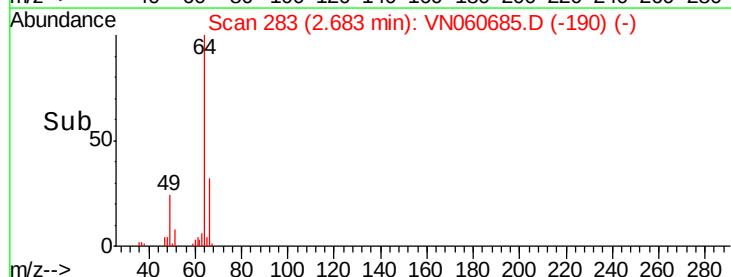


Abundance Ion 63.90 (63.60 to 64.60): VN060565.D (-268) (-)

Ion 65.90 (65.60 to 66.60): VN060565.D (-268) (-)

2.68

Time-->



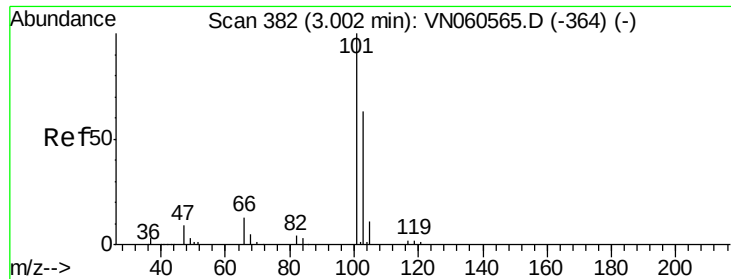
Abundance

Ion 63.90 (63.60 to 64.60): VN060685.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060685.D (-190) (-)

2.68

Time-->

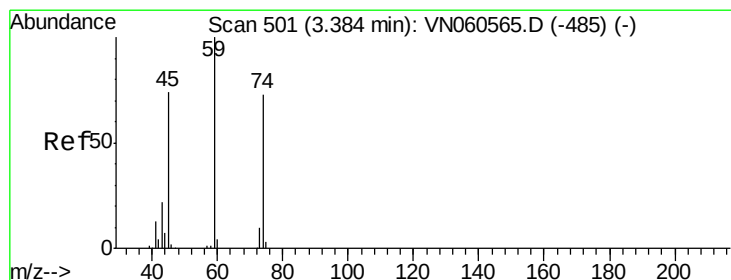
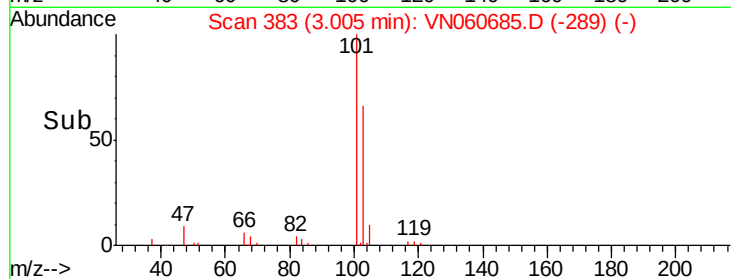
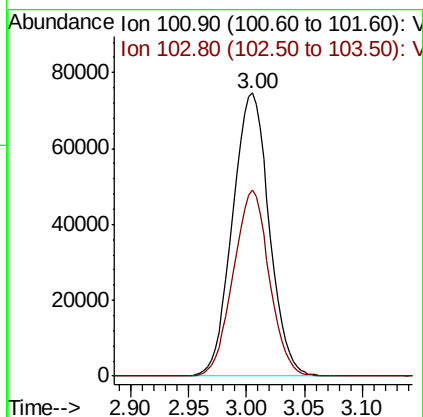
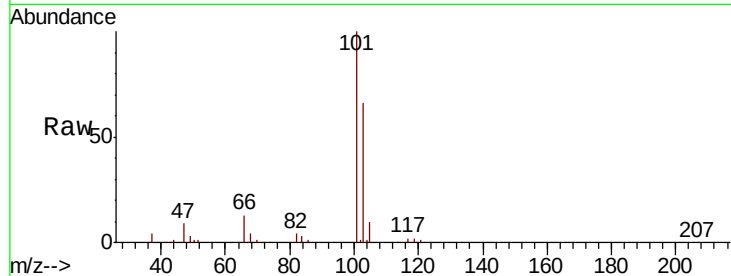


#7

Trichlorofluoromethane
 Concen: 50.560 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

Instrument :
 MSVOA_N
 ClientSampled :

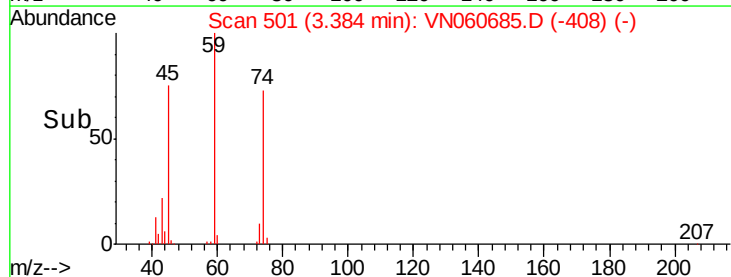
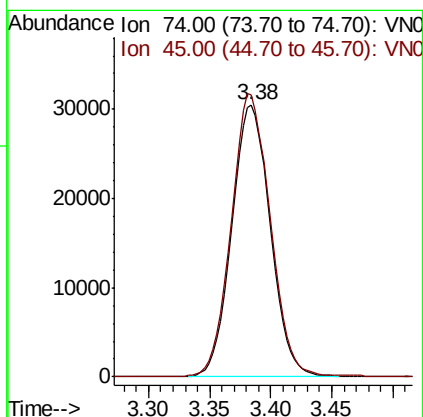
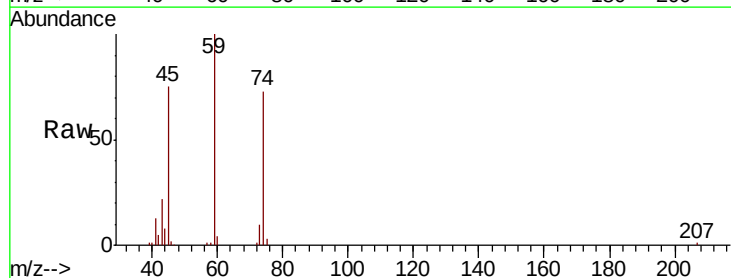
Tot Ion:101 Resp: 163628
 Ion Ratio Lower Upper
 101 100
 103 65.6 50.6 76.0

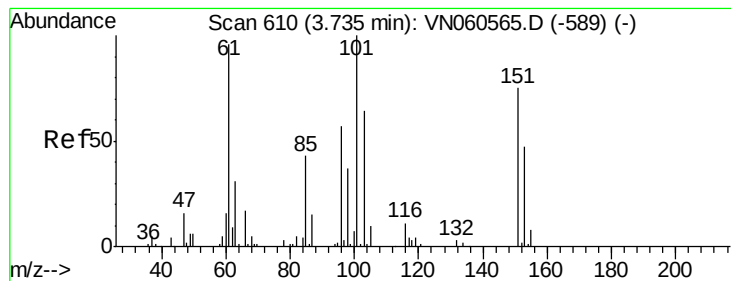


#8

Diethyl Ether
 Concen: 51.286 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

Tgt Ion: 74 Resp: 66676
 Ion Ratio Lower Upper
 74 100
 45 105.5 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.030 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

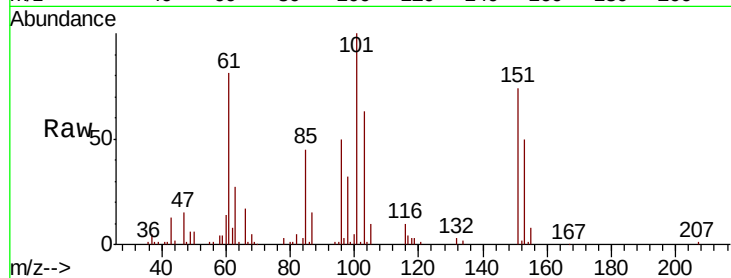
Tot Ion:101 Resp: 95695

Ion Ratio Lower Upper

101 100

85 44.3 35.6 53.4

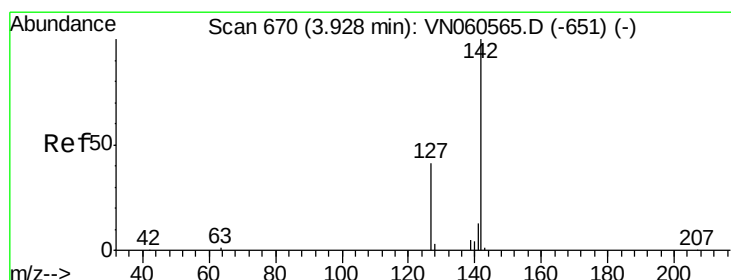
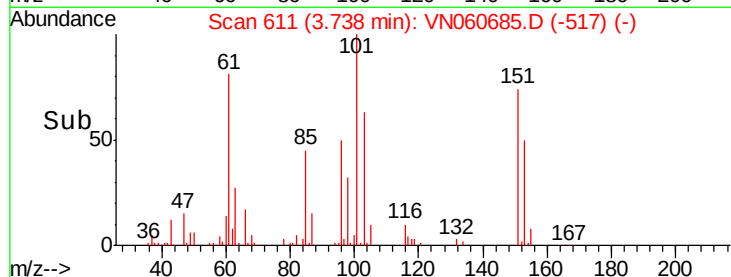
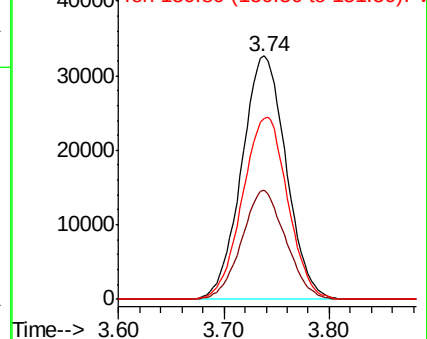
151 76.2 61.4 92.2



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: 51.027 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

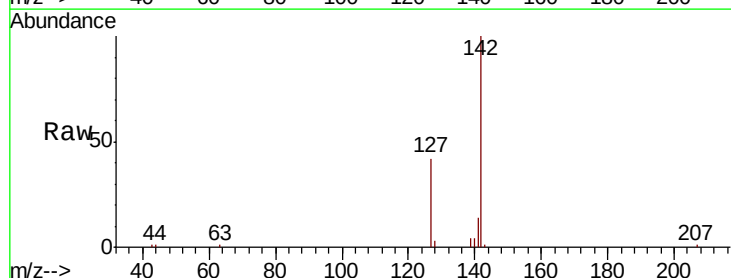
Tgt Ion:142 Resp: 85147

Ion Ratio Lower Upper

142 100

127 41.8 33.5 50.3

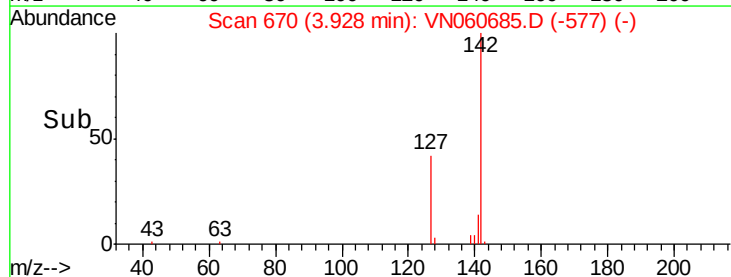
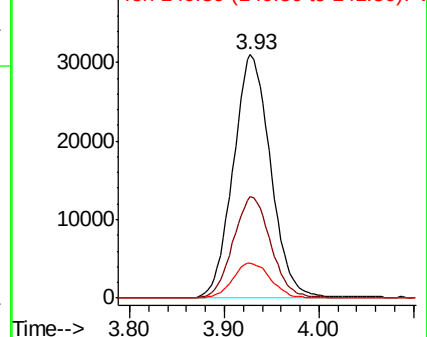
141 14.5 11.0 16.6

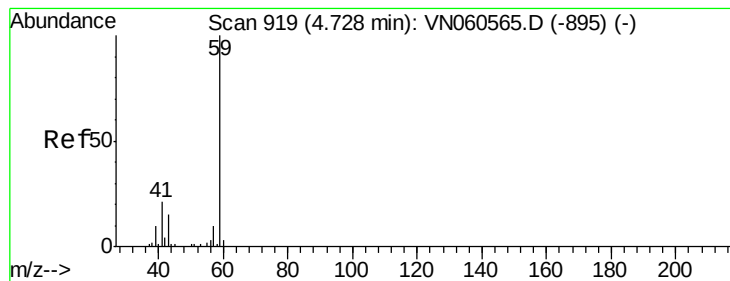


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



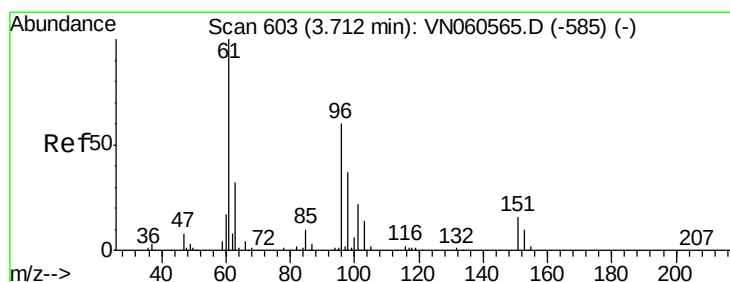
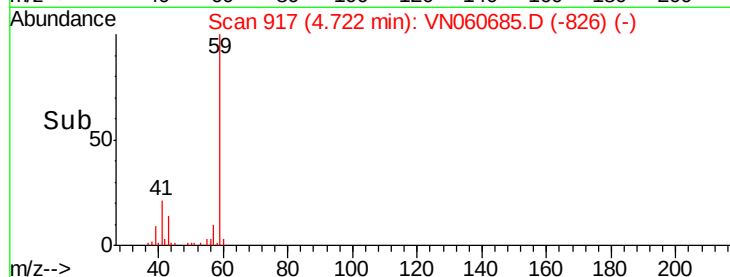
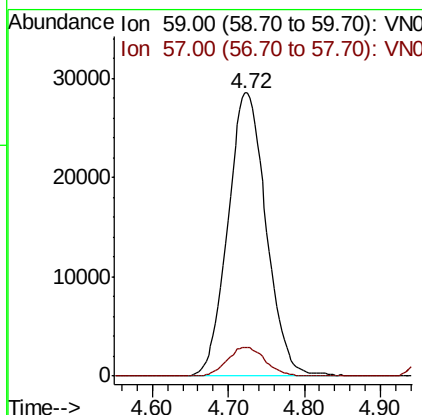
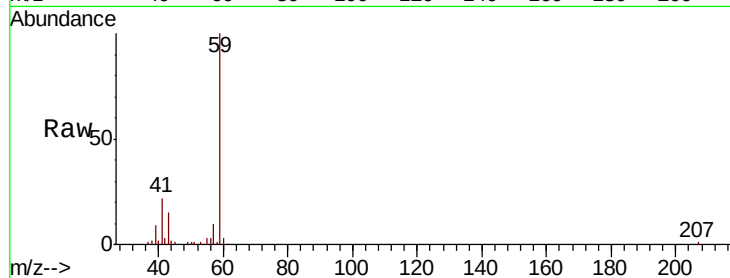


#11

Tert butyl alcohol
 Concen: 266.222 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :

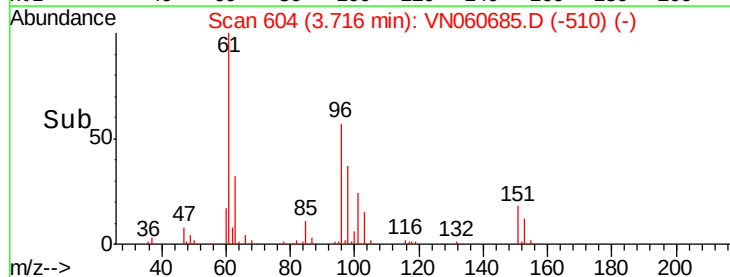
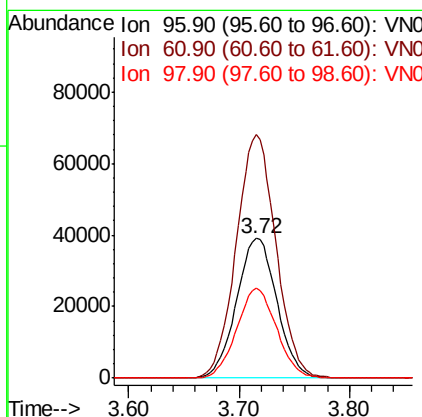
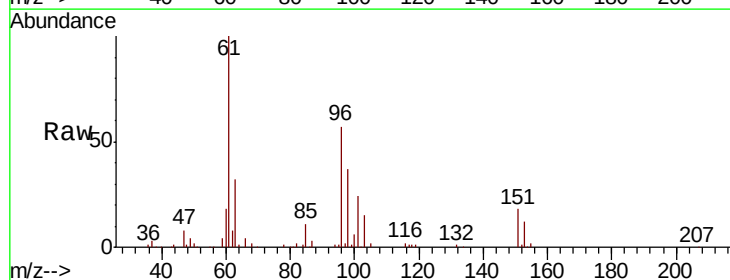
Tot Ion: 59 Resp: 99900
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.4

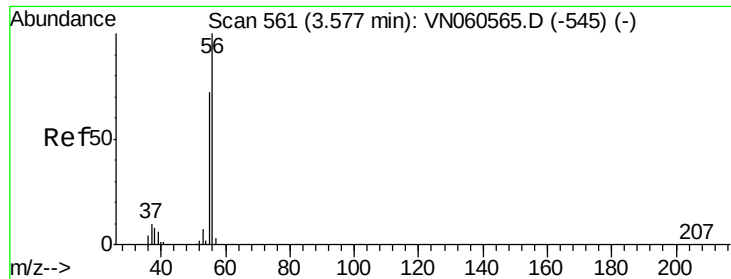


#12

1,1-Dichloroethene
 Concen: 49.123 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

Tgt Ion: 96 Resp: 98854
 Ion Ratio Lower Upper
 96 100
 61 174.7 134.1 201.1
 98 64.3 49.9 74.9





#13

Acrolein

Concen: 353.471 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

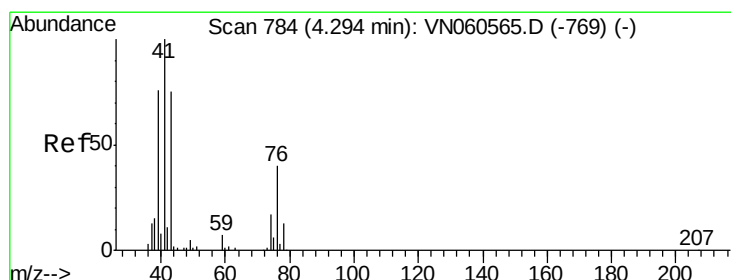
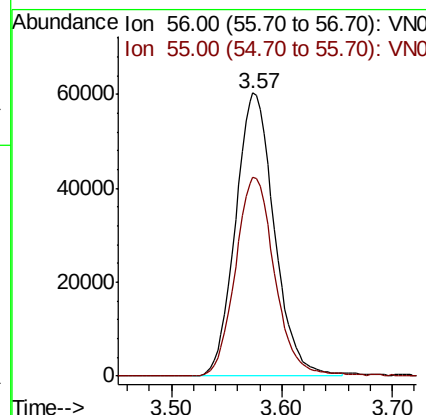
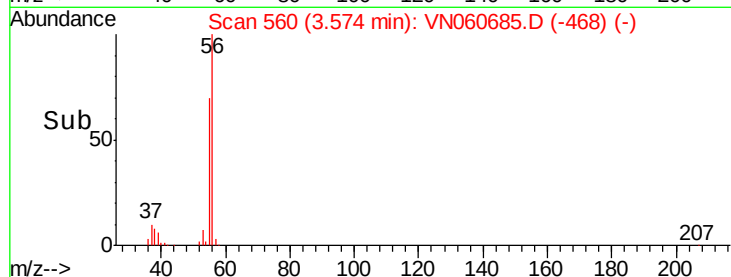
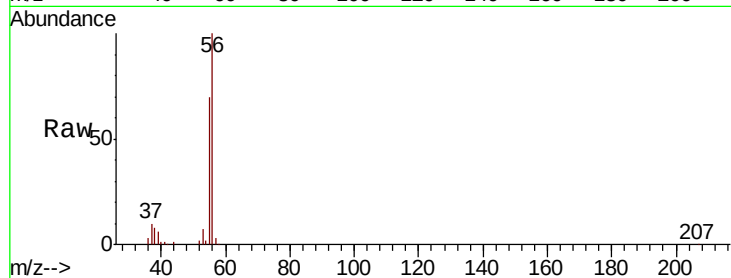
ClientSampleId :

Tot Ion: 56 Resp: 147005

Ion Ratio Lower Upper

56 100

55 71.0 56.7 85.1



#14

Allyl chloride

Concen: 48.195 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

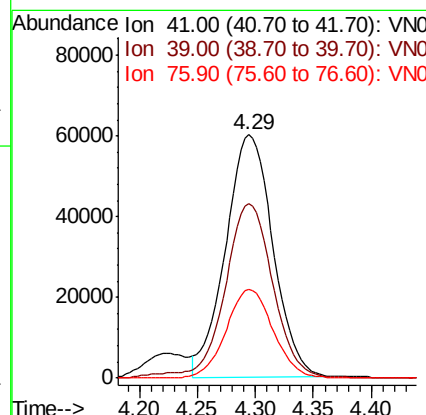
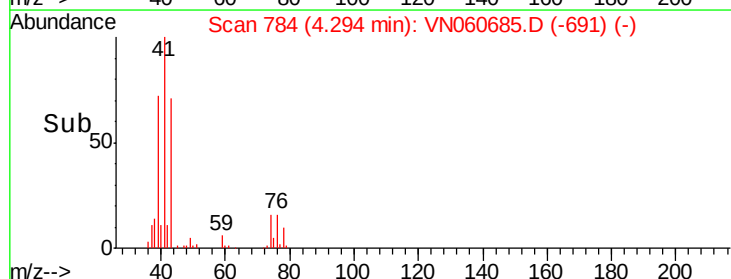
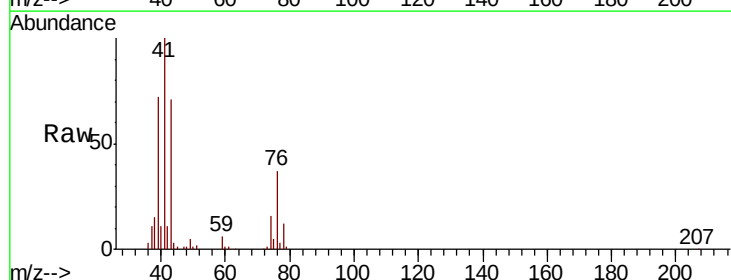
Tgt Ion: 41 Resp: 170578

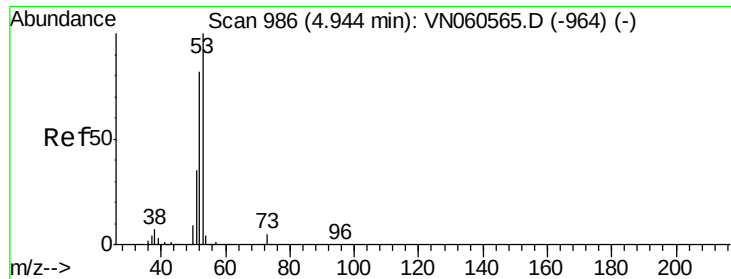
Ion Ratio Lower Upper

41 100

39 73.4 57.8 86.8

76 36.4 28.6 43.0





#15

Acrylonitrile

Concen: 272.293 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampled :

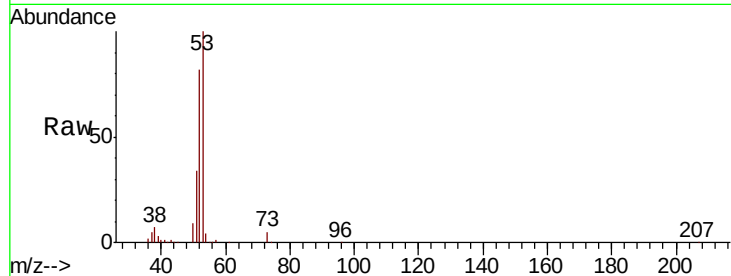
Tot Ion: 53 Resp: 300465

Ion Ratio Lower Upper

53 100

52 82.5 66.2 99.4

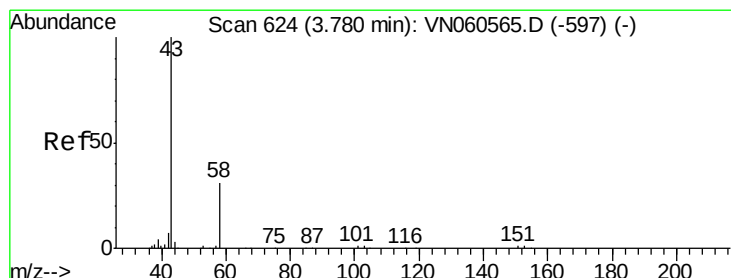
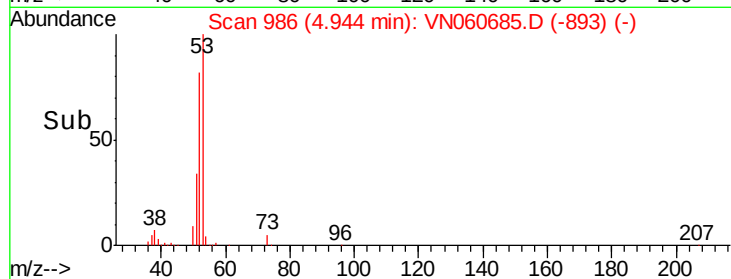
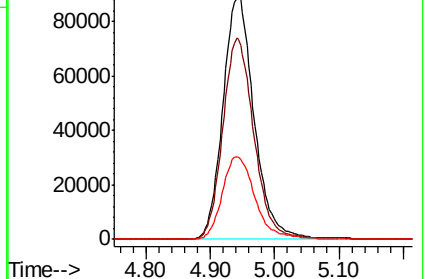
51 35.8 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VN060685.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN060685.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN060685.D (-964) (-)



#16

Acetone

Concen: 268.663 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060685.D

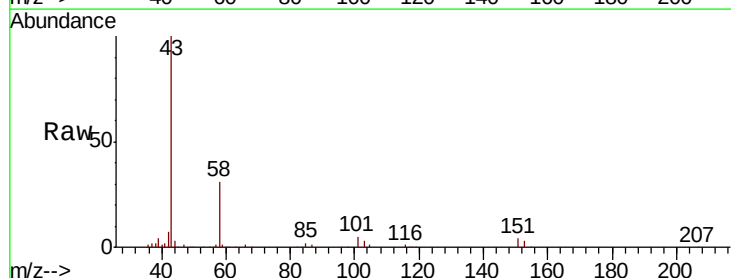
Acq: 24 Mar 2020 20:09

Tgt Ion: 43 Resp: 242820

Ion Ratio Lower Upper

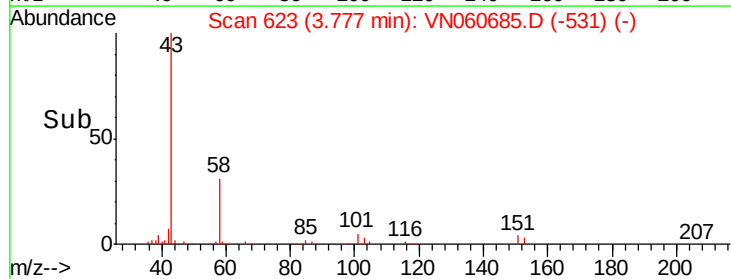
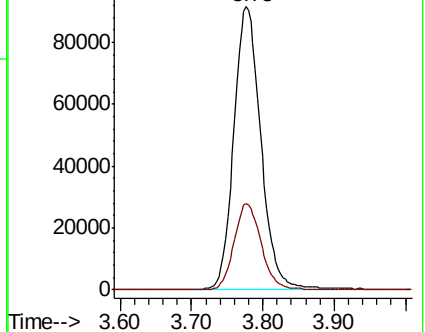
43 100

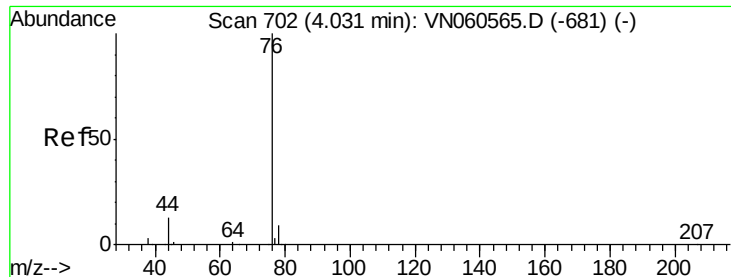
58 30.6 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060685.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060685.D (-597) (-)





#17

Carbon Disulfide

Concen: 48.152 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

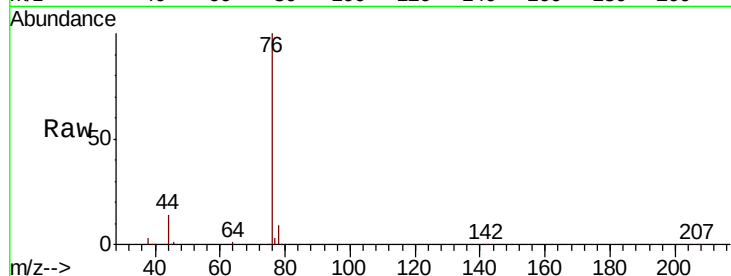
ClientSampled :

Tot Ion: 76 Resp: 294697

Ion Ratio Lower Upper

76 100

78 8.7 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN060685.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN060685.D (-681) (-)

4.03

120000

100000

80000

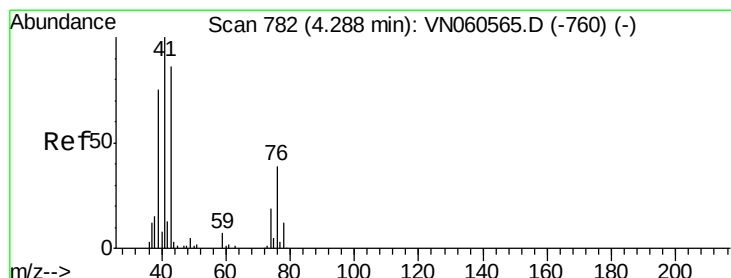
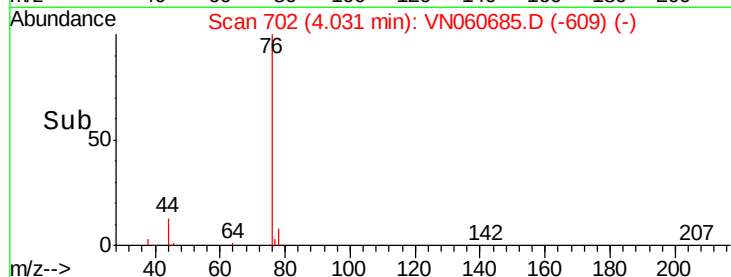
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 53.866 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060685.D

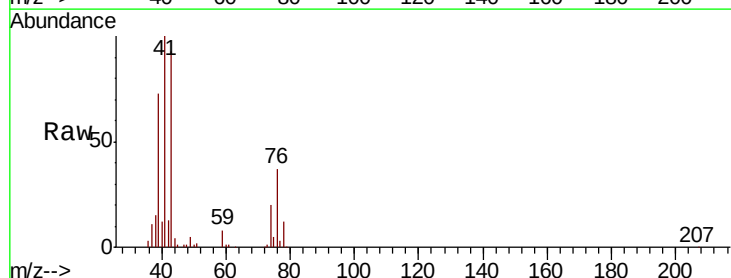
Acq: 24 Mar 2020 20:09

Tgt Ion: 43 Resp: 137034

Ion Ratio Lower Upper

43 100

74 22.2 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN060685.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060685.D (-689) (-)

4.28

50000

40000

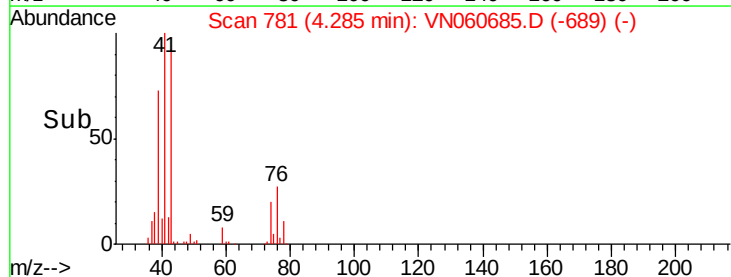
30000

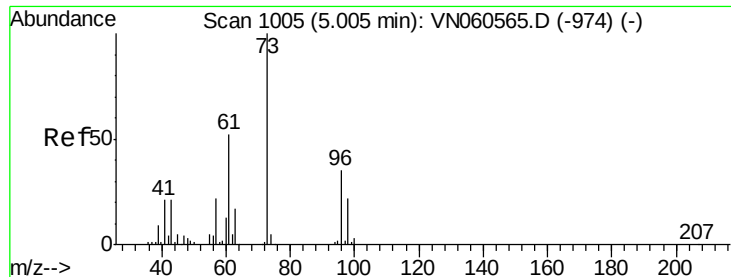
20000

10000

0

Time-->

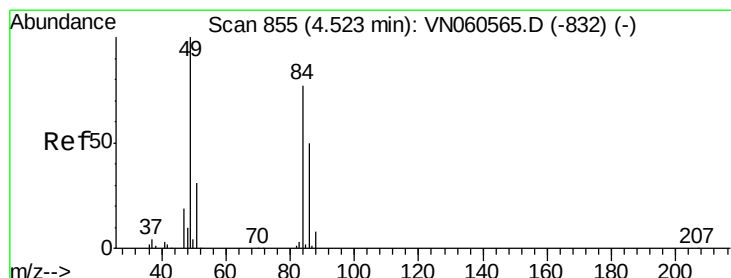
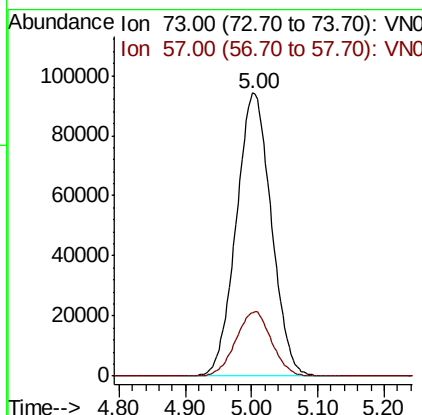
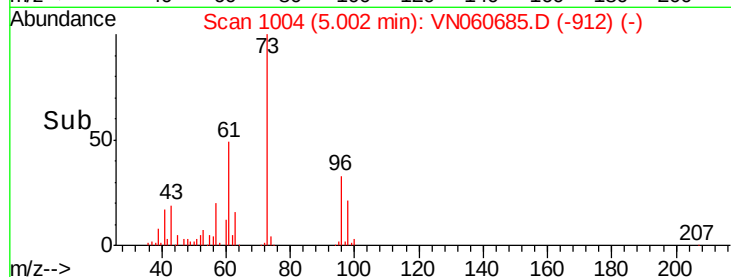
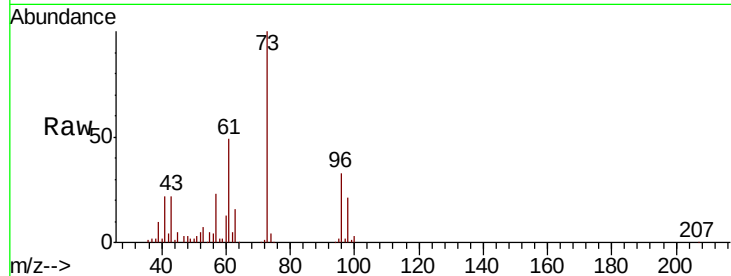




#19
Methyl tert-butyl Ether
Concen: 50.111 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

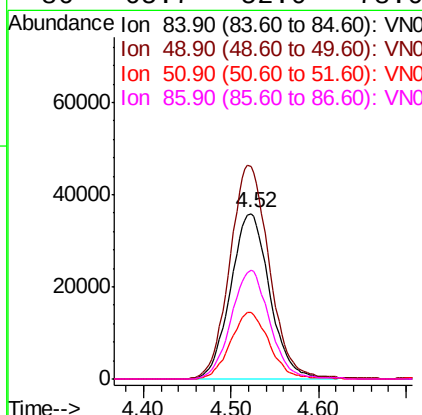
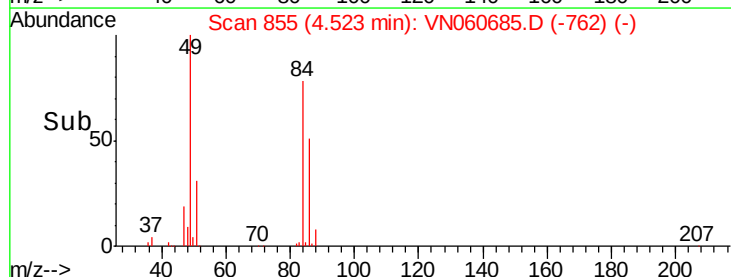
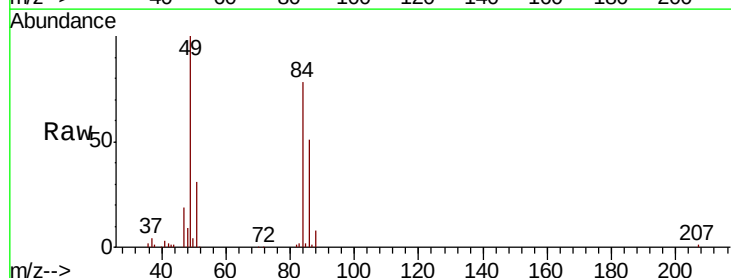
Instrument :
MSVOA_N
ClientSampled :

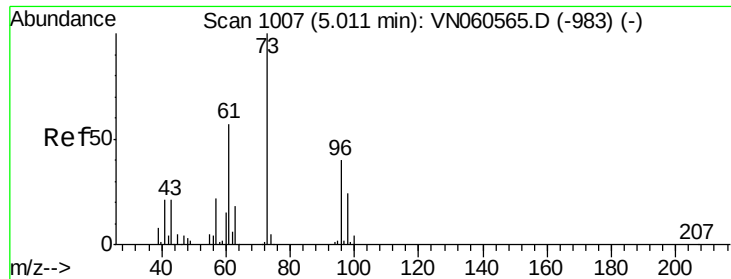
Tot Ion: 73 Resp: 346703
Ion Ratio Lower Upper
73 100
57 22.5 17.5 26.3



#20
Methylene Chloride
Concen: 50.119 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion: 84 Resp: 111432
Ion Ratio Lower Upper
84 100
49 128.4 103.3 154.9
51 40.0 31.6 47.4
86 65.7 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 49.603 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampled :

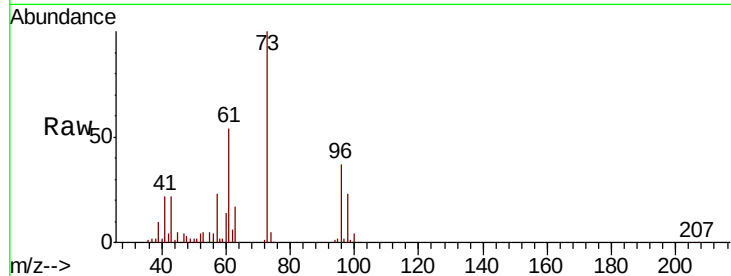
Tot Ion: 96 Resp: 106387

Ion Ratio Lower Upper

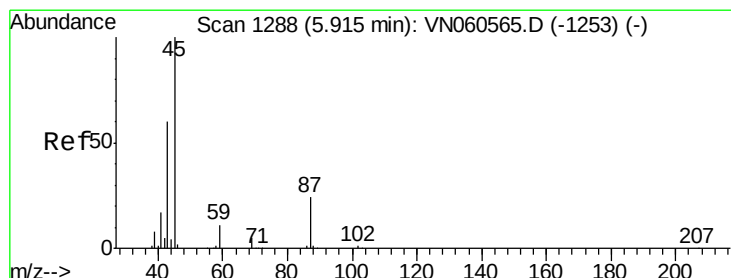
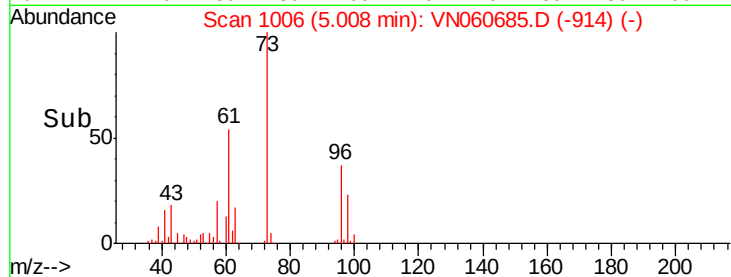
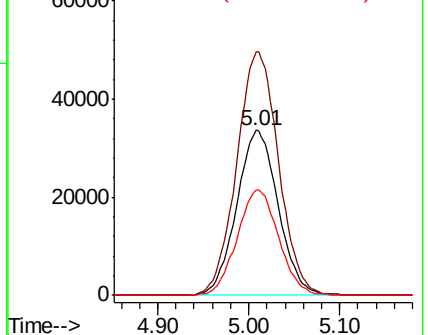
96 100

61 147.4 114.4 171.6

98 64.0 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: 52.181 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Tgt Ion: 45 Resp: 390180

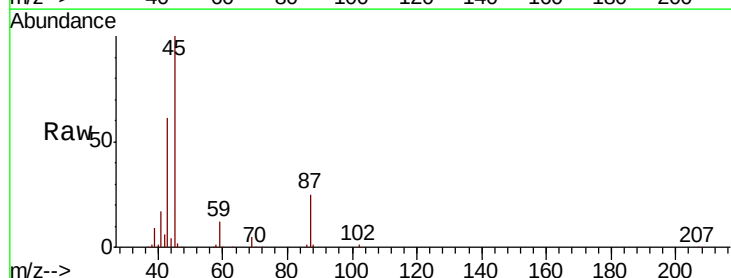
Ion Ratio Lower Upper

45 100

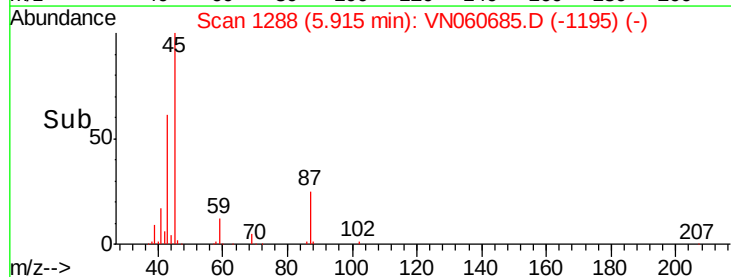
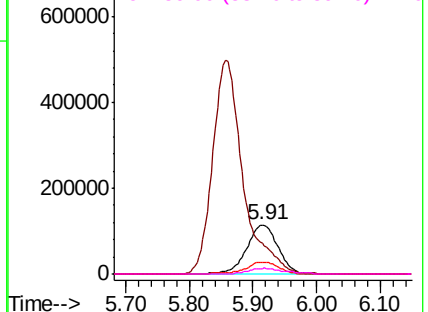
43 60.5 49.8 74.8

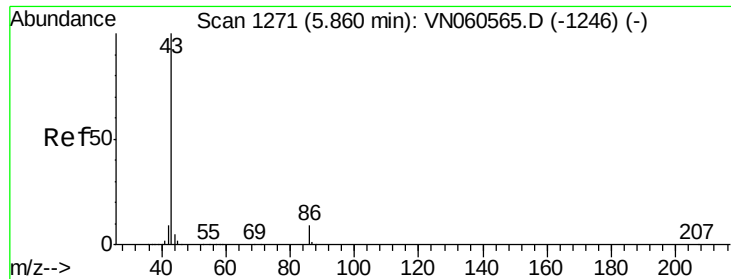
87 24.7 20.1 30.1

59 11.7 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: 270.921 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

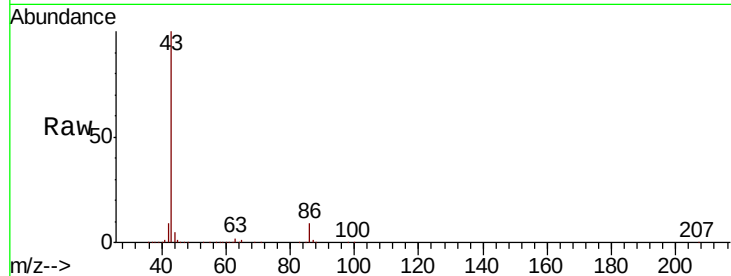
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1652897

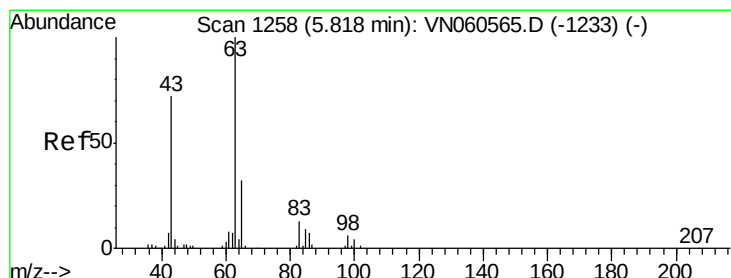
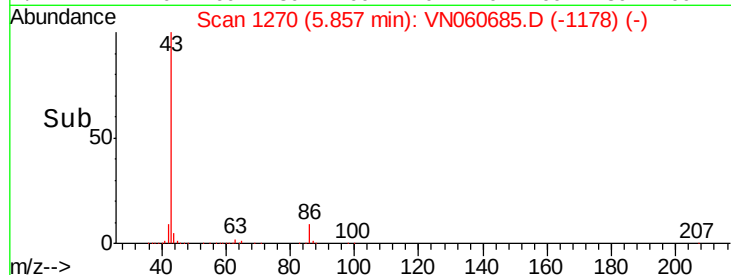
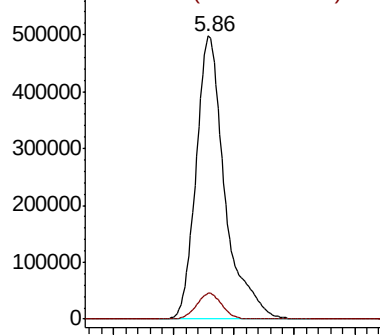
Ion Ratio Lower Upper

43 100

86 9.1 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.466 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

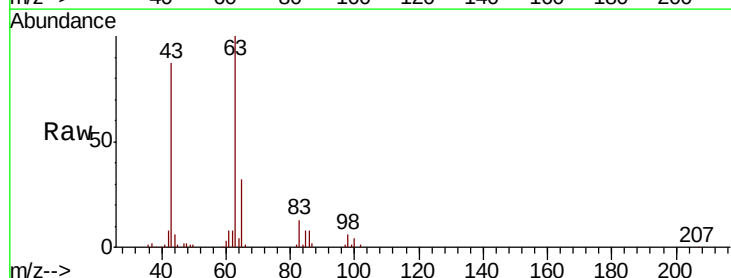
Tgt Ion: 63 Resp: 209794

Ion Ratio Lower Upper

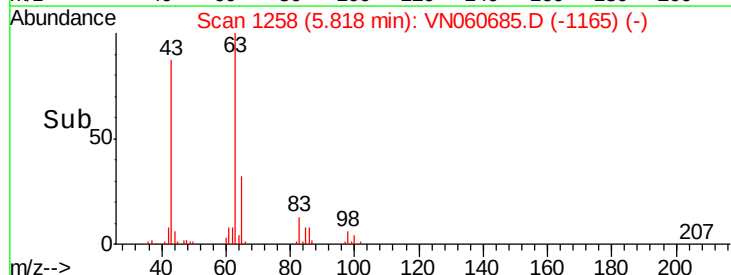
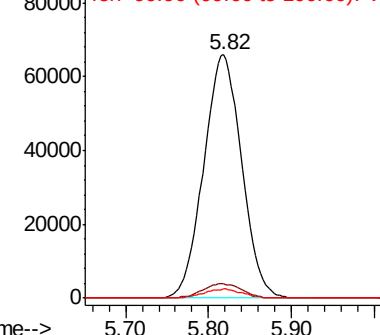
63 100

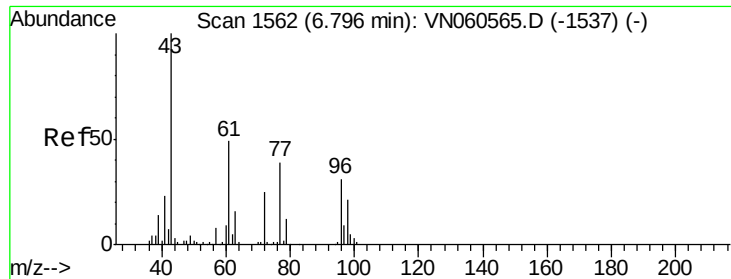
98 5.9 2.9 8.7

100 3.7 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0

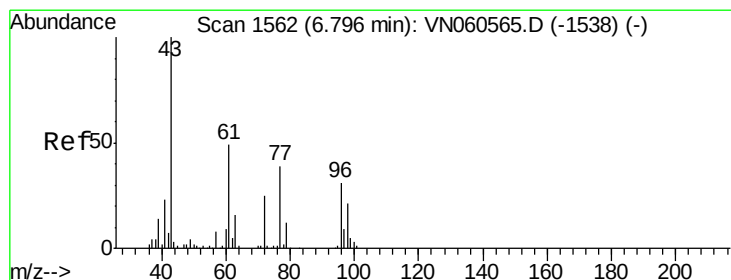
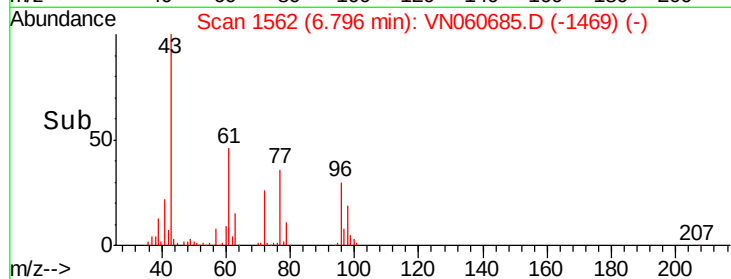
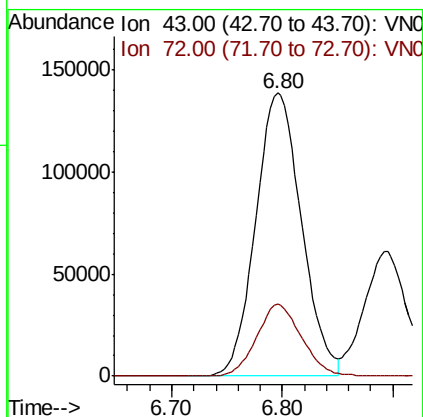
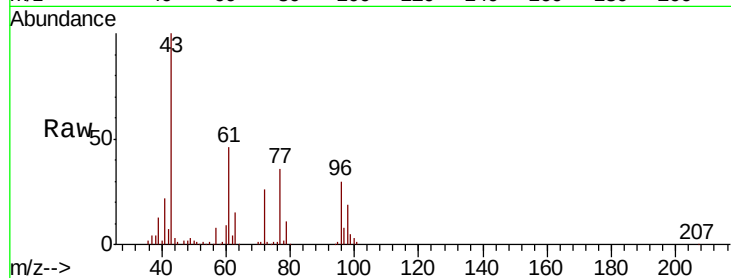




#25
 2-Butanone
 Concen: 273.067 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

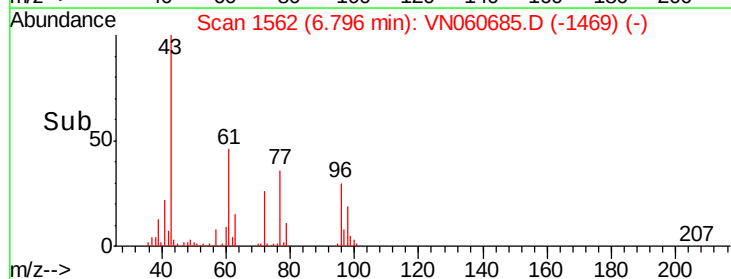
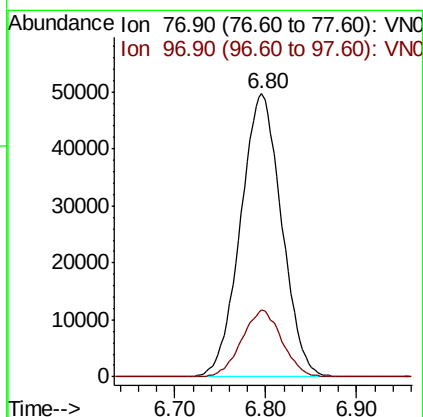
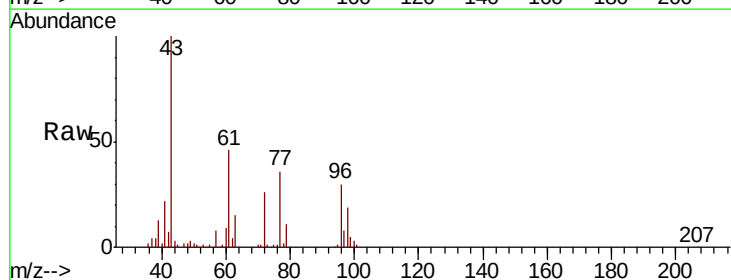
Instrument :
 MSVOA_N
 ClientSampled :

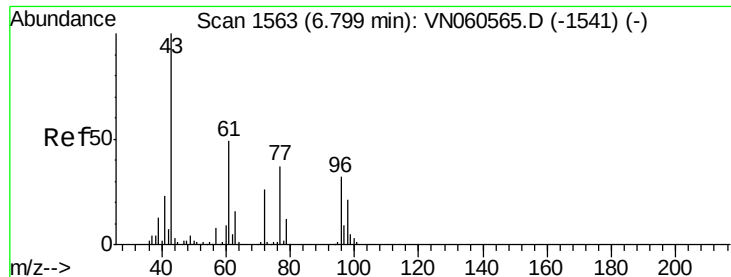
Tot Ion: 43 Resp: 399366
 Ion Ratio Lower Upper
 43 100
 72 25.6 20.4 30.6



#26
 2,2-Dichloropropane
 Concen: 48.492 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

Tgt Ion: 77 Resp: 155525
 Ion Ratio Lower Upper
 77 100
 97 23.0 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 50.619 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampled :

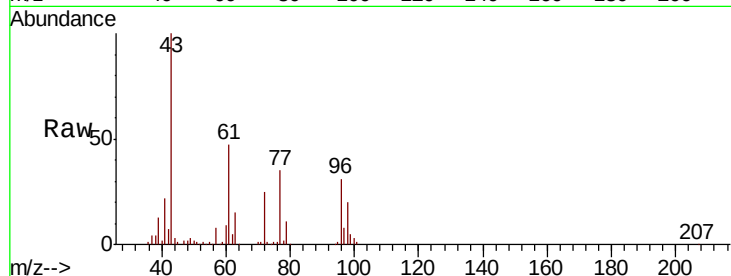
Tot Ion: 96 Resp: 123372

Ion Ratio Lower Upper

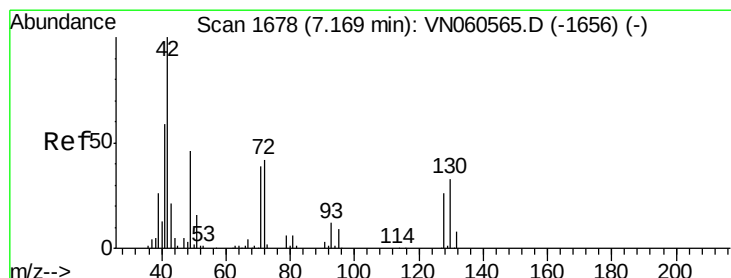
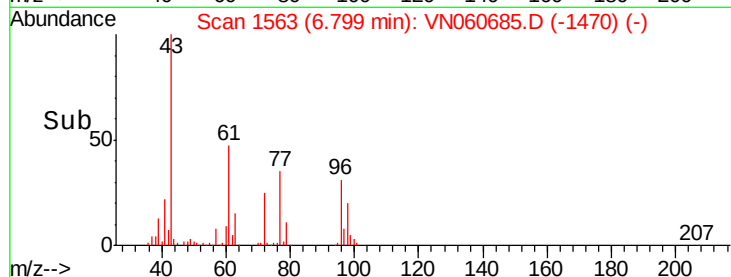
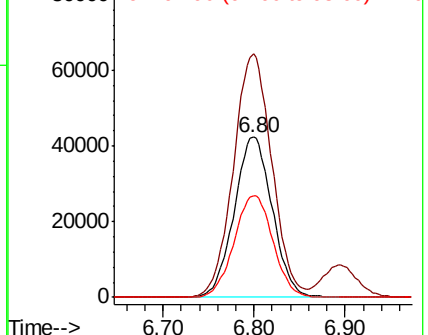
96 100

61 152.7 0.0 305.6

98 64.5 0.0 127.6



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



#28

Bromochloromethane

Concen: 52.216 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

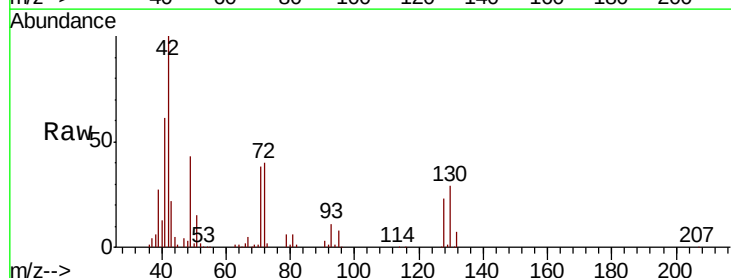
Tgt Ion: 49 Resp: 101838

Ion Ratio Lower Upper

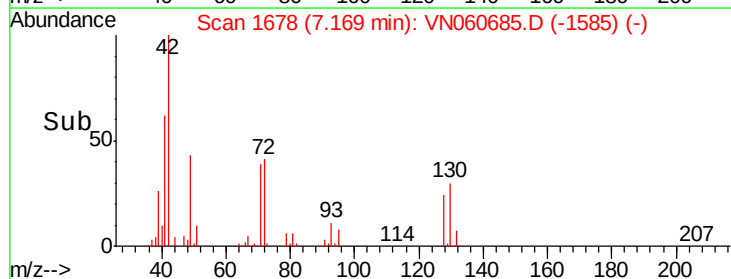
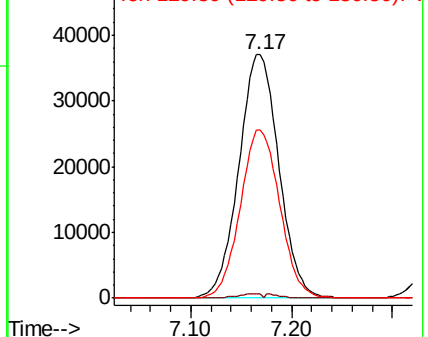
49 100

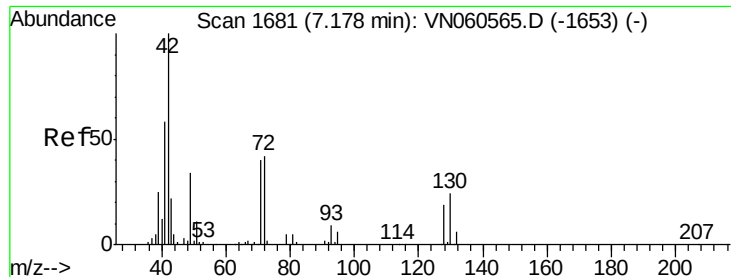
129 0.6 0.0 3.4

130 68.1 55.0 82.4



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

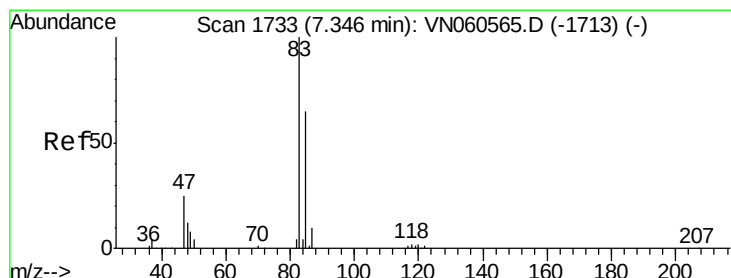
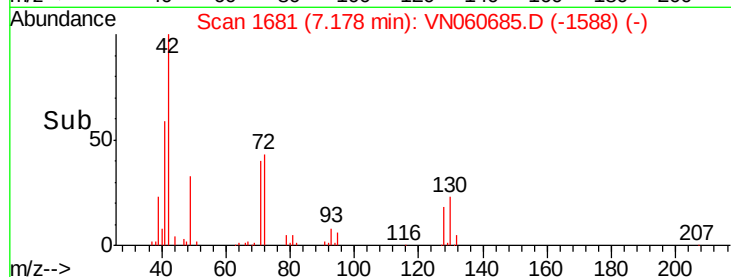
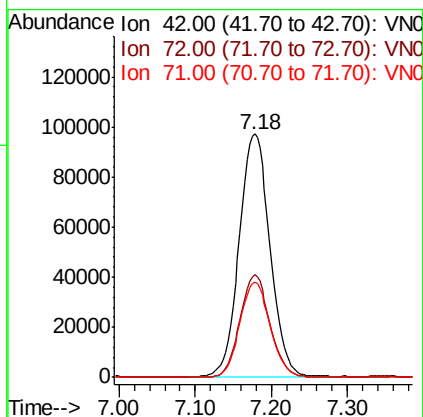
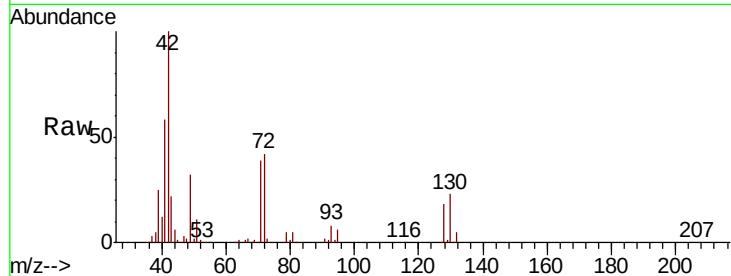




#29
Tetrahydrofuran
Concen: 266.275 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

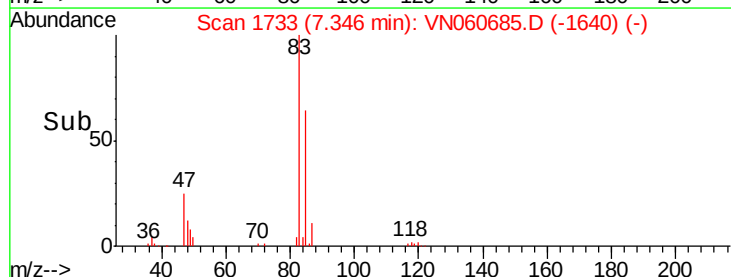
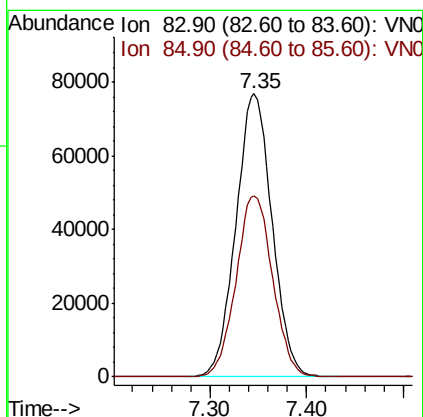
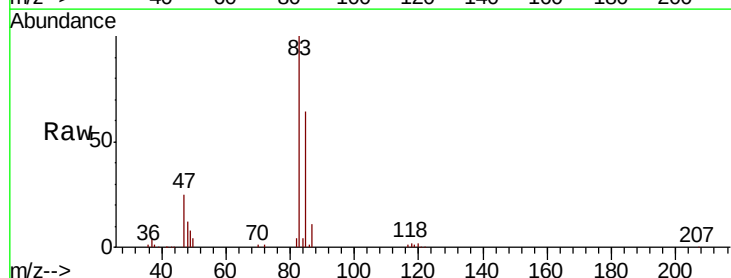
Instrument :
MSVOA_N
ClientSampled :

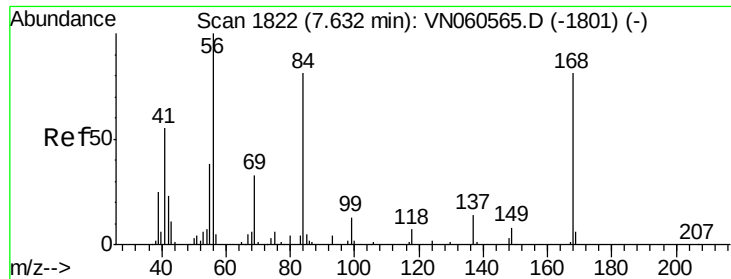
Tot Ion: 42 Resp: 275539
Ion Ratio Lower Upper
42 100
72 40.7 33.2 49.8
71 38.3 31.1 46.7



#30
Chloroform
Concen: 50.959 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion: 83 Resp: 199138
Ion Ratio Lower Upper
83 100
85 64.0 51.8 77.8

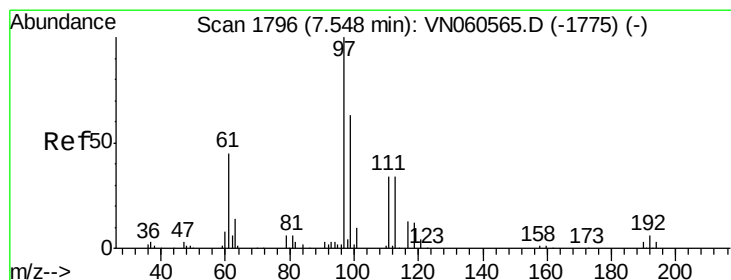
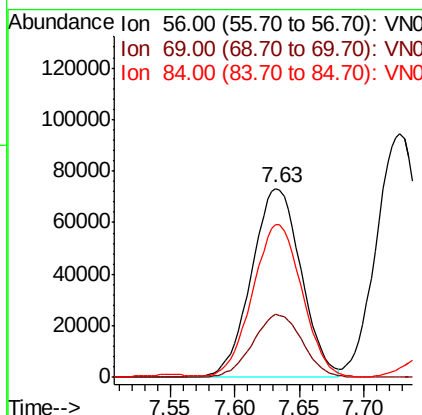
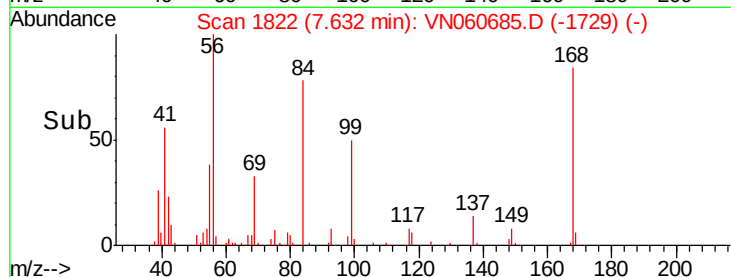
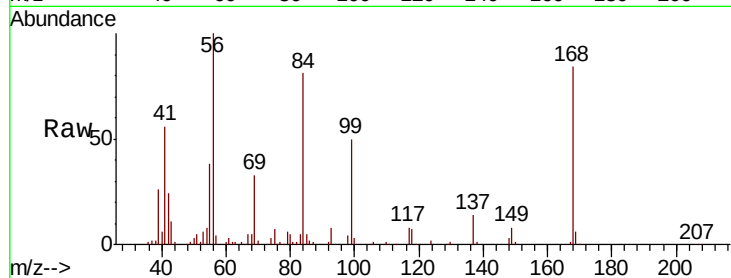




#31
Cyclohexane
Concen: 47.791 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

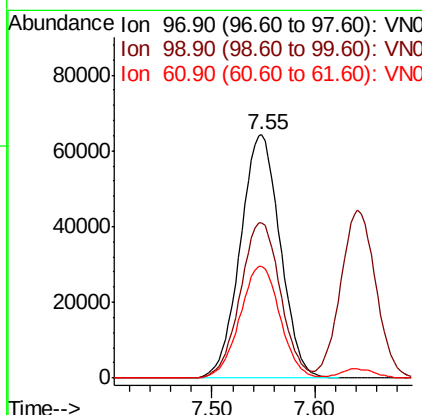
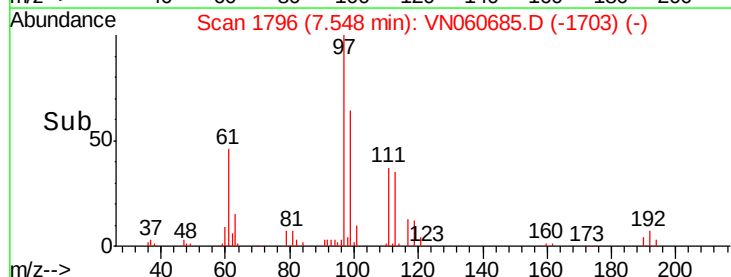
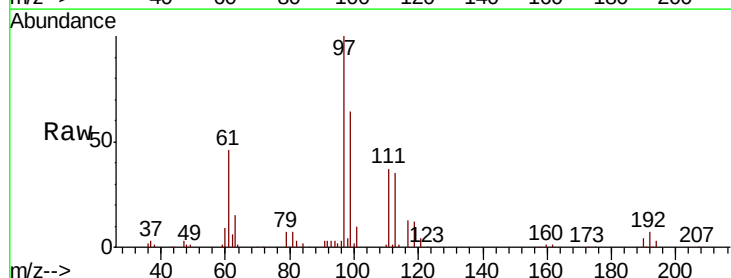
Instrument :
MSVOA_N
ClientSampled :

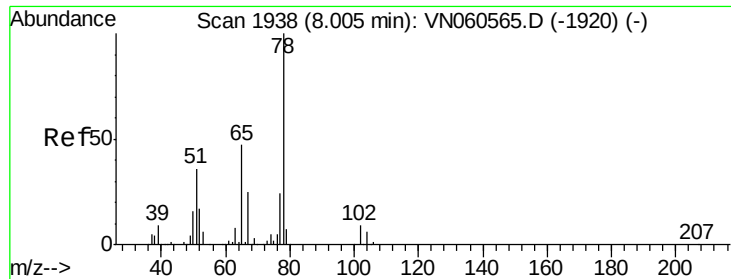
Tot Ion: 56 Resp: 196399
Ion Ratio Lower Upper
56 100
69 33.4 26.6 40.0
84 80.2 64.3 96.5



#32
1,1,1-Trichloroethane
Concen: 51.174 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion: 97 Resp: 172396
Ion Ratio Lower Upper
97 100
99 64.3 50.6 75.8
61 46.3 36.2 54.4

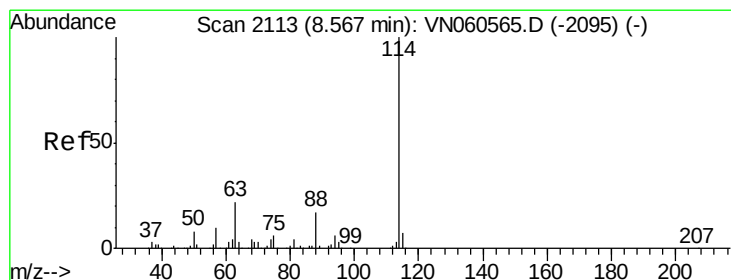
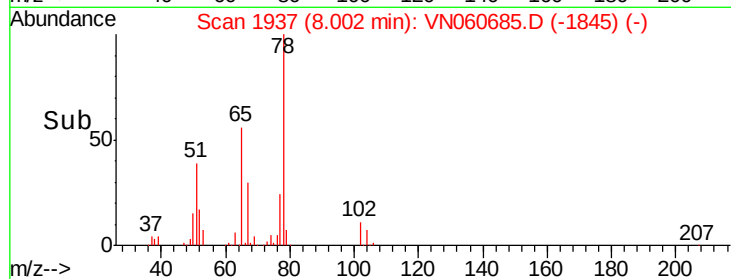
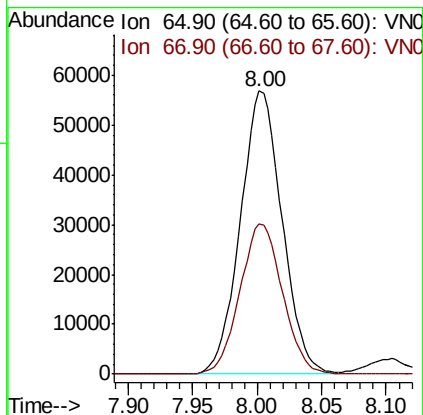
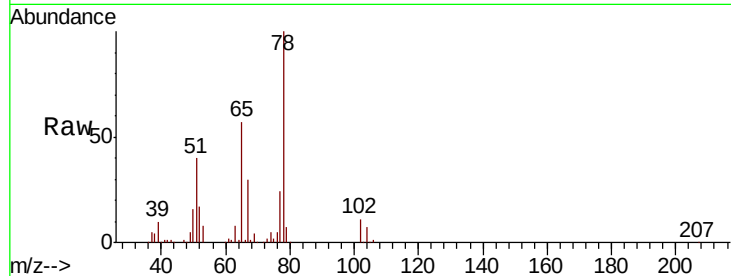




#33
 1,2-Dichloroethane-d4
 Concen: 50.334 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

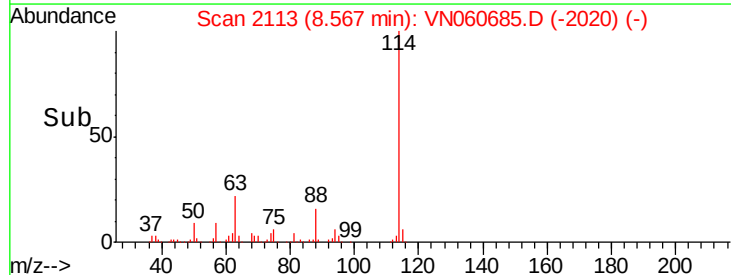
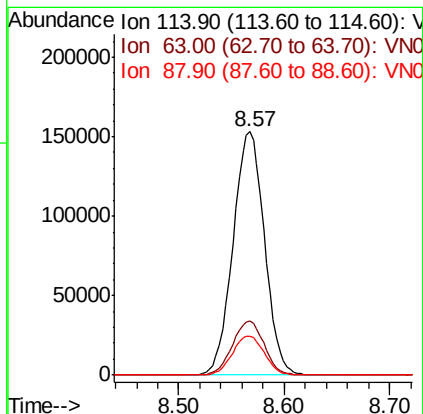
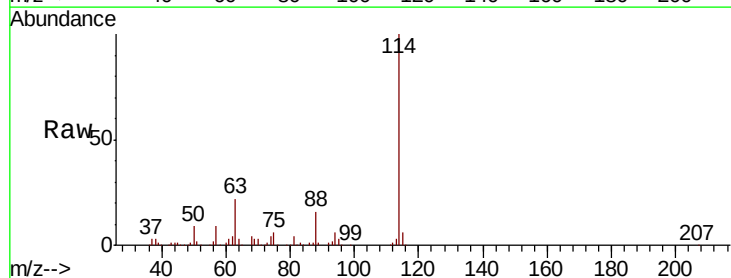
Instrument :
 MSVOA_N
 ClientSampleId :

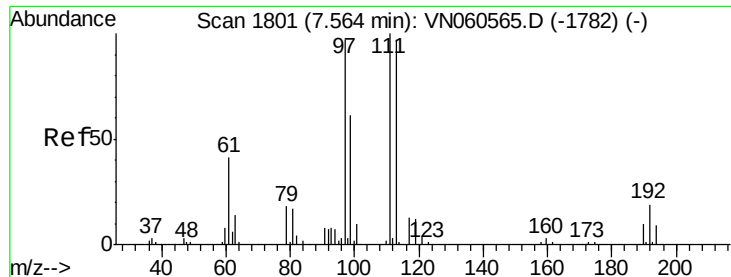
Tot Ion: 65 Resp: 128429
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

Tgt Ion: 114 Resp: 316302
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.8
 88 16.0 0.0 33.0

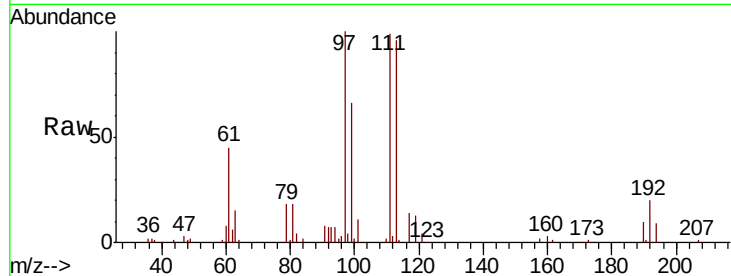




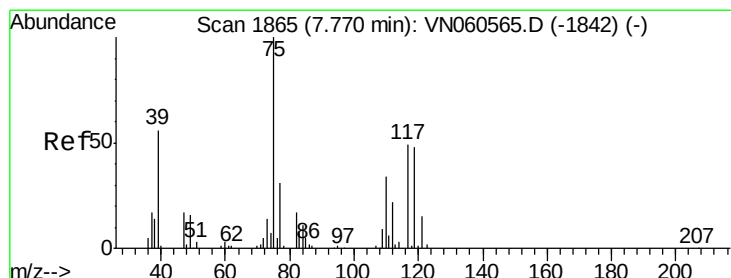
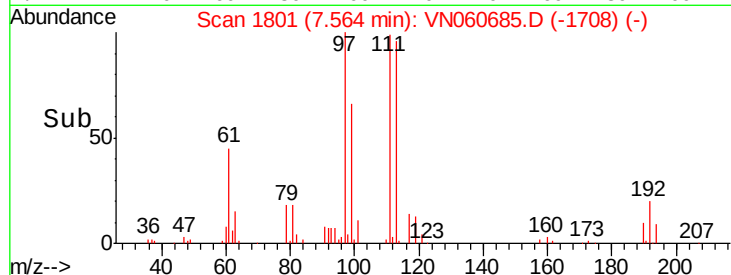
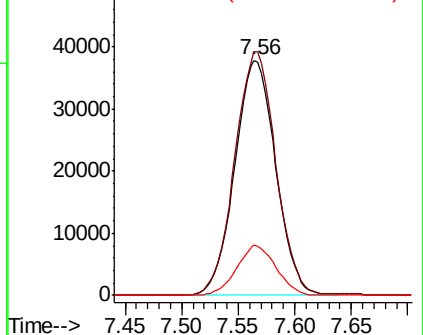
#35
Dibromofluoromethane
Concen: 49.912 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:113 Resp: 95460
Ion Ratio Lower Upper
113 100
111 103.7 82.9 124.3
192 20.3 15.8 23.8

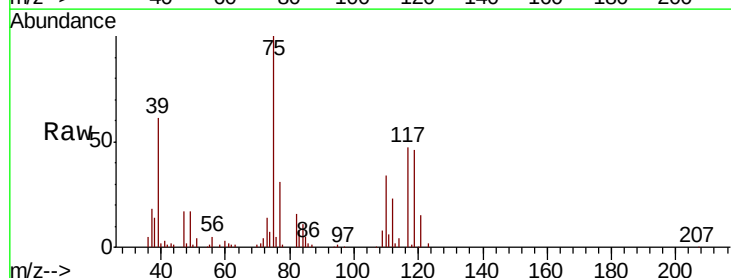


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

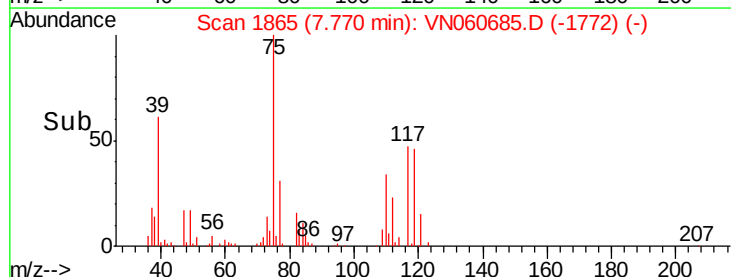
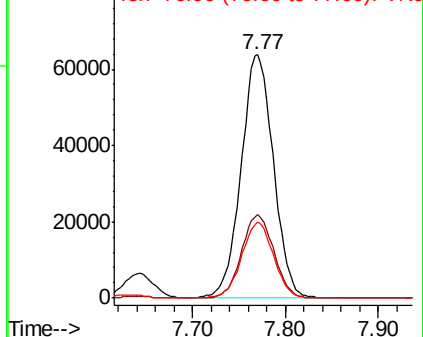


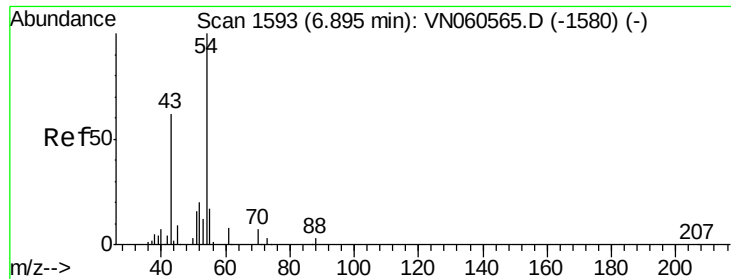
#36
1,1-Dichloropropene
Concen: 50.351 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion: 75 Resp: 154214
Ion Ratio Lower Upper
75 100
110 34.1 16.9 50.6
77 30.9 24.6 36.8



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

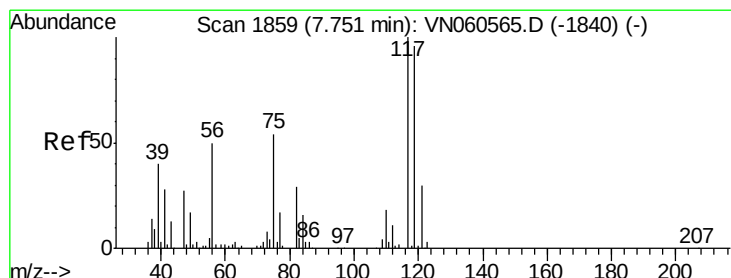
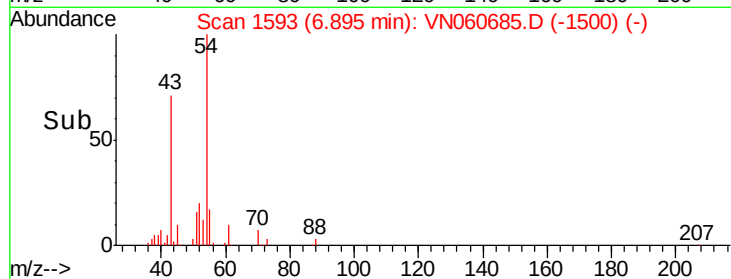
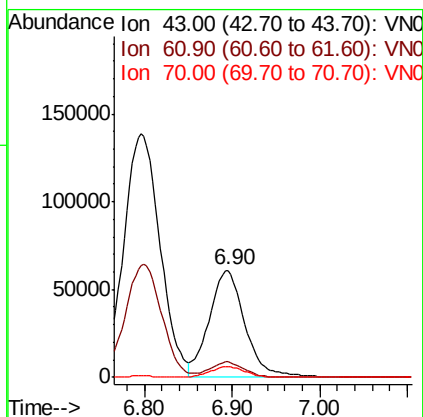
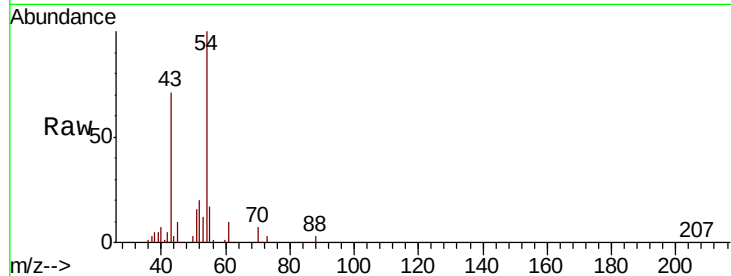




#37
Ethyl Acetate
Concen: 51.651 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

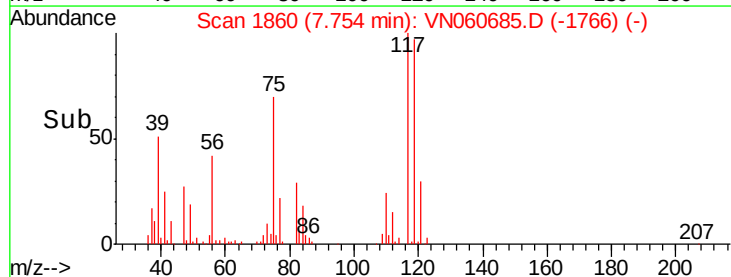
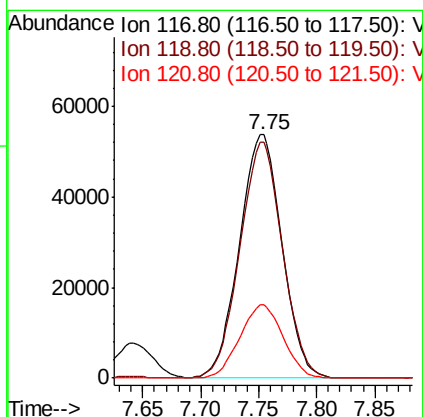
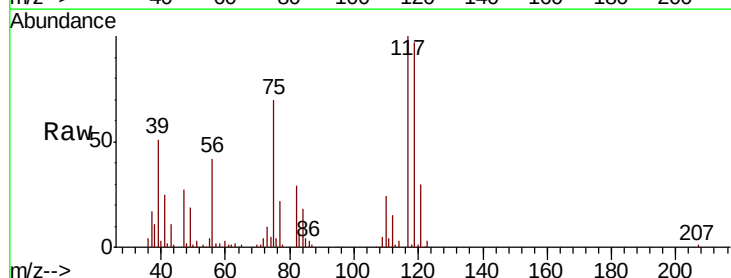
Instrument :
MSVOA_N
ClientSampleId :

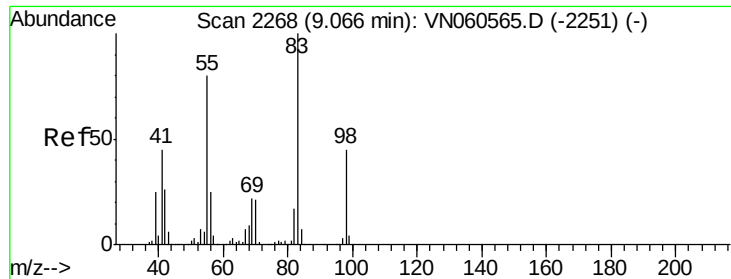
Tot Ion: 43 Resp: 170934
Ion Ratio Lower Upper
43 100
61 13.2 10.6 15.8
70 9.8 7.9 11.9



#38
Carbon Tetrachloride
Concen: 50.115 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion: 117 Resp: 137567
Ion Ratio Lower Upper
117 100
119 97.1 76.2 114.2
121 30.2 23.7 35.5

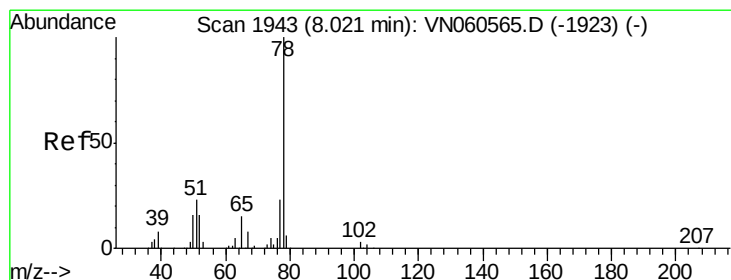
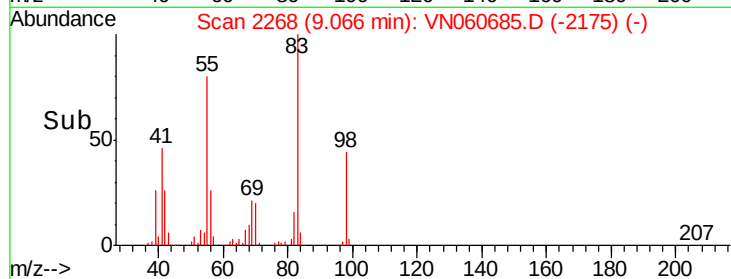
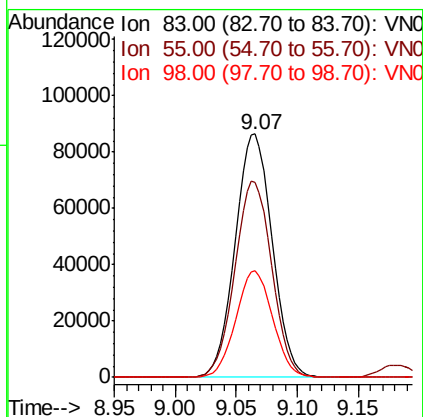
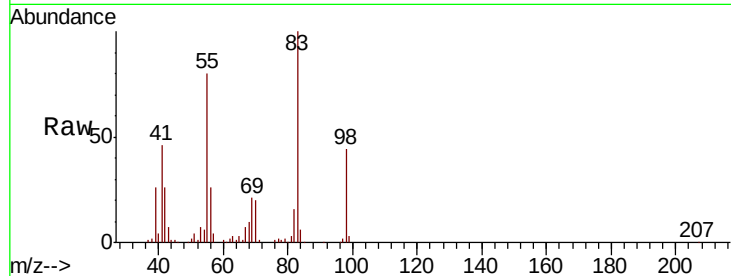




#39
Methylvlcyclohexane
Concen: 49.917 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

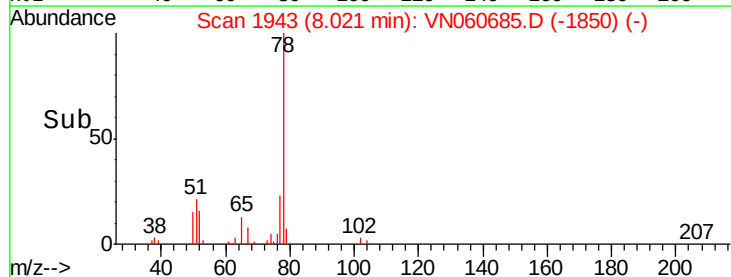
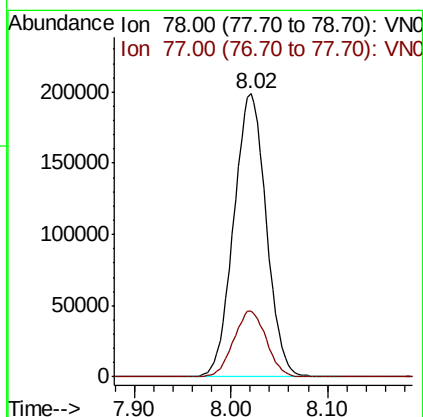
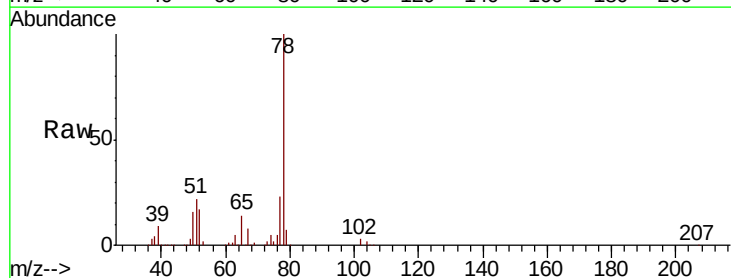
Instrument :
MSVOA_N
ClientSampled :

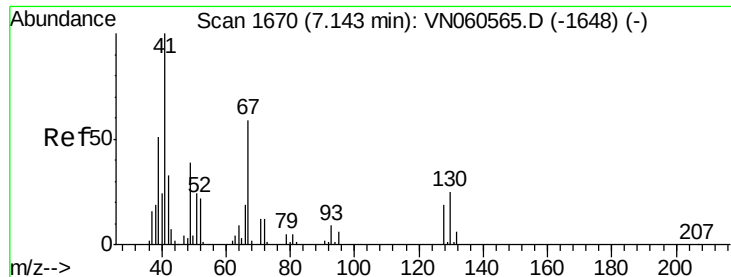
Tot Ion	83	Resp	181685
Ion Ratio	Lower	Upper	
83	100		
55	80.2	63.6	95.4
98	44.0	36.0	54.0



#40
Benzene
Concen: 50.214 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion	78	Resp	464268
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.6	28.0

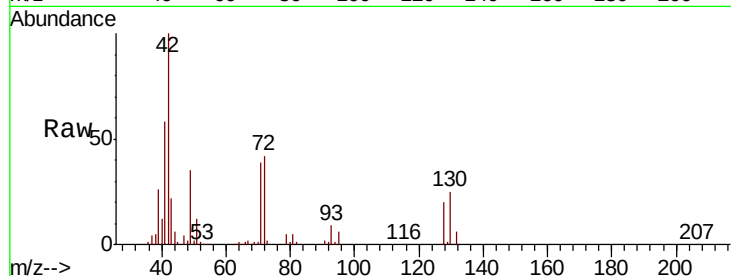




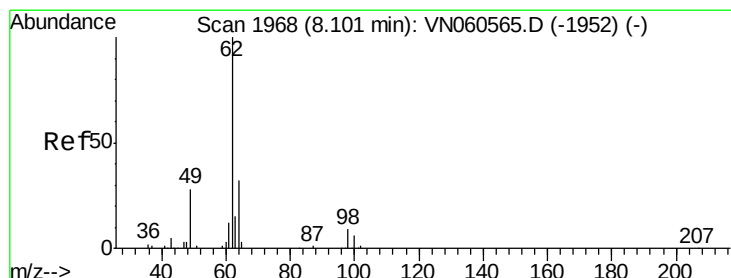
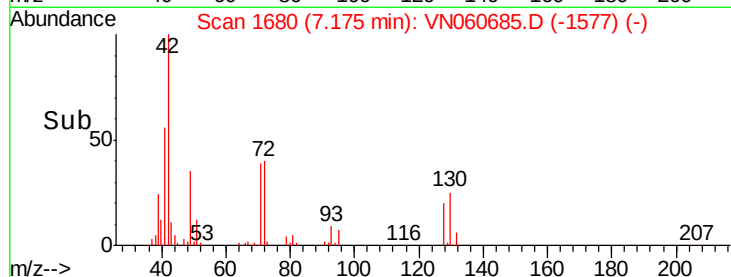
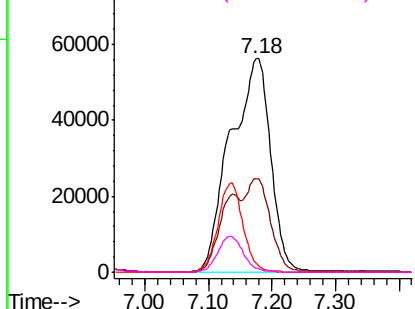
#41
Methacrylonitrile
Concen: 174.536 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	246507
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

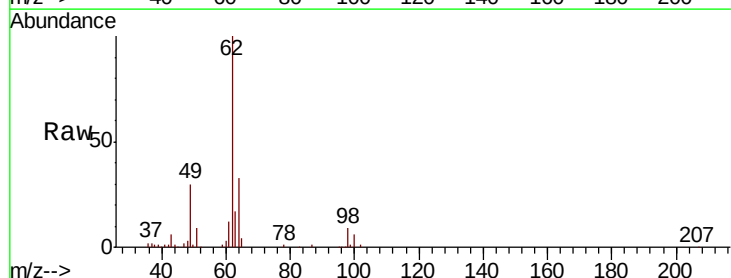


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

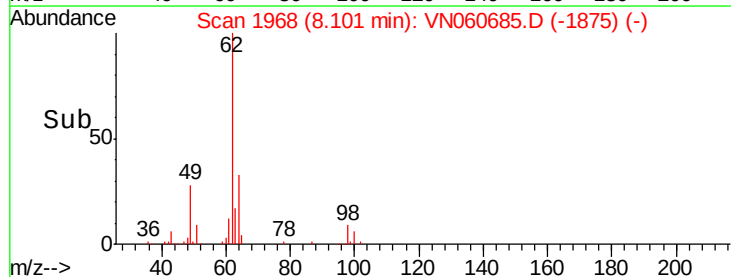
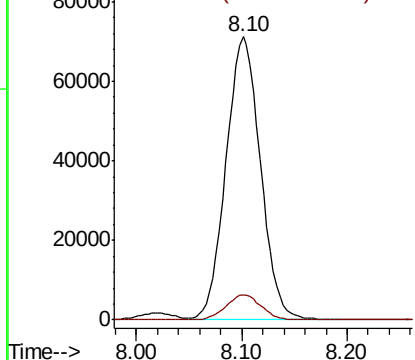


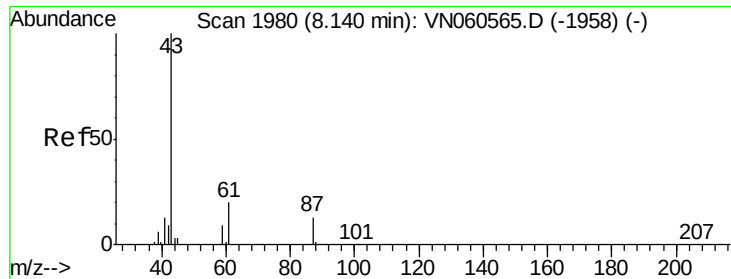
#42
1,2-Dichloroethane
Concen: 51.035 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion:	62	Resp:	161258
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8



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

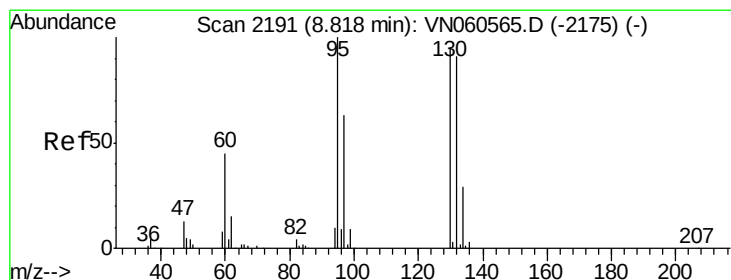
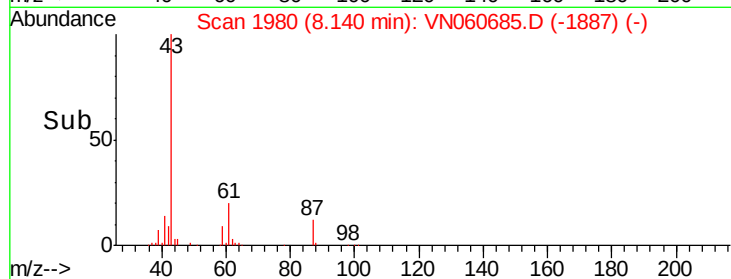
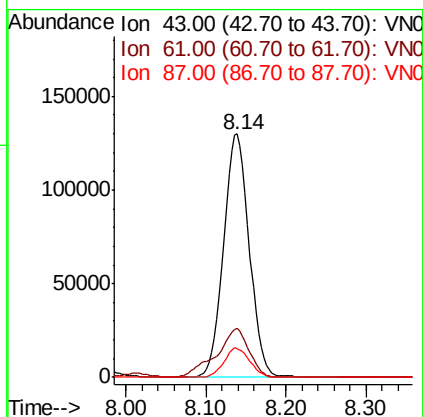
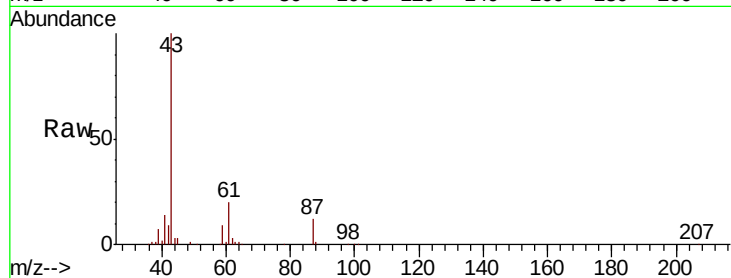




#43
Isopropyl Acetate
Concen: 52.070 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

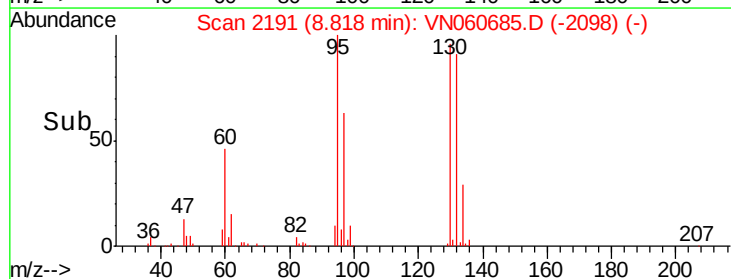
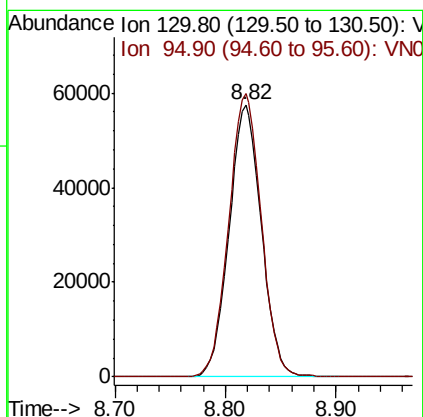
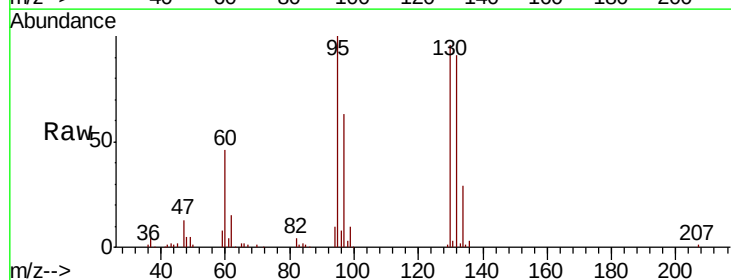
Instrument :
MSVOA_N
ClientSampleId :

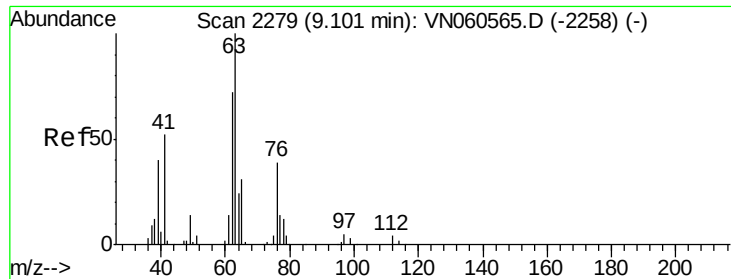
Tot Ion: 43 Resp: 284188
Ion Ratio Lower Upper
43 100
61 25.8 20.7 31.1
87 12.0 9.8 14.8



#44
Trichloroethene
Concen: 50.040 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion:130 Resp: 116631
Ion Ratio Lower Upper
130 100
95 104.1 0.0 211.2

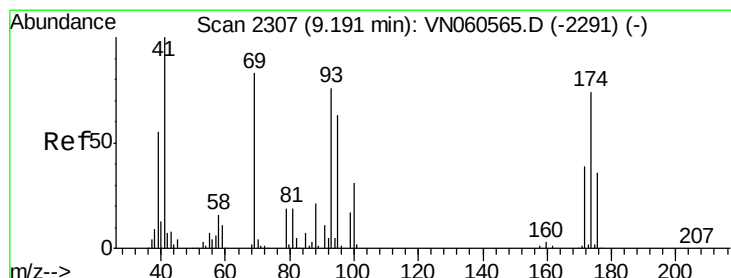
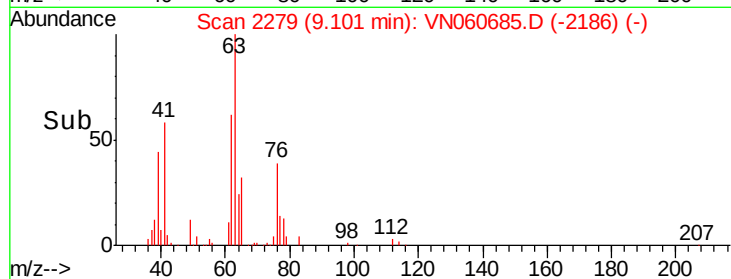
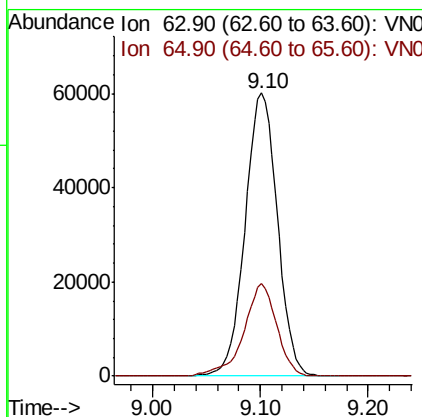
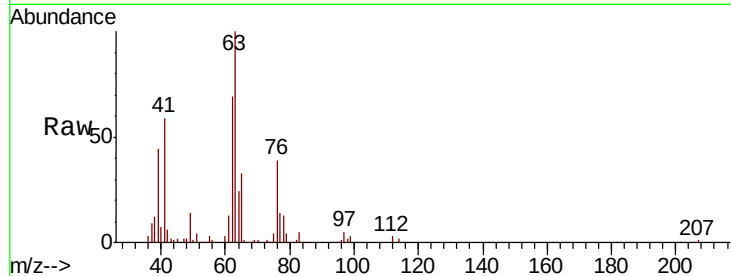




#45
 1,2-Dichloropropane
 Concen: 51.272 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

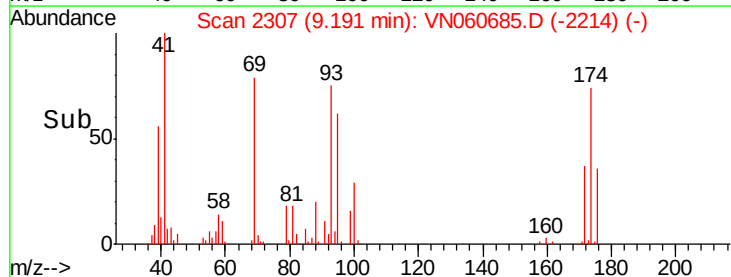
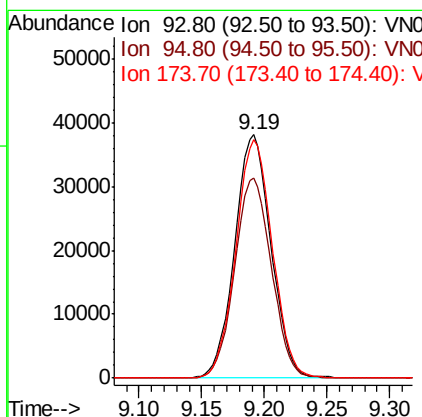
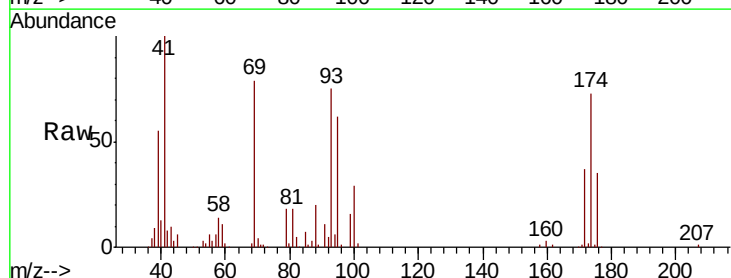
Instrument :
 MSVOA_N
 ClientSampleId :

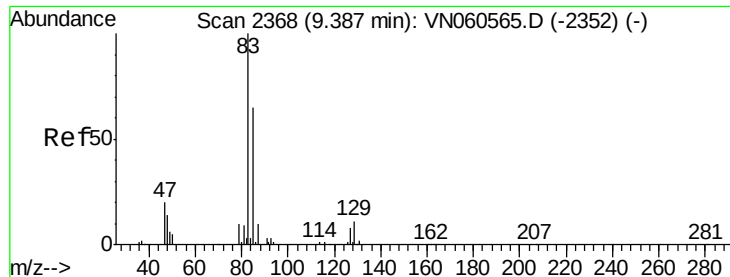
Tot Ion: 63 Resp: 125087
 Ion Ratio Lower Upper
 63 100
 65 32.5 25.4 38.0



#46
 Dibromomethane
 Concen: 52.036 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

Tgt Ion: 93 Resp: 76749
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.2 99.4
 174 98.4 77.9 116.9





#47

Bromodichloromethane

Concen: 52.029 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampled :

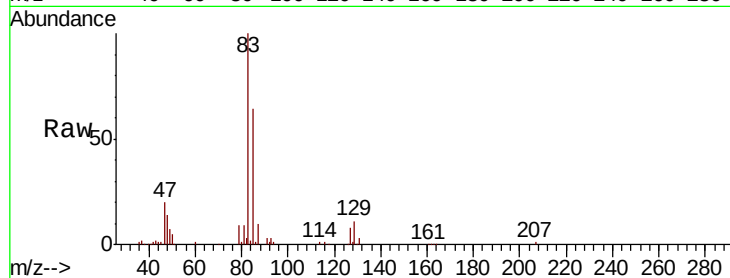
Tot Ion: 83 Resp: 159463

Ion Ratio Lower Upper

83 100

85 64.1 51.8 77.6

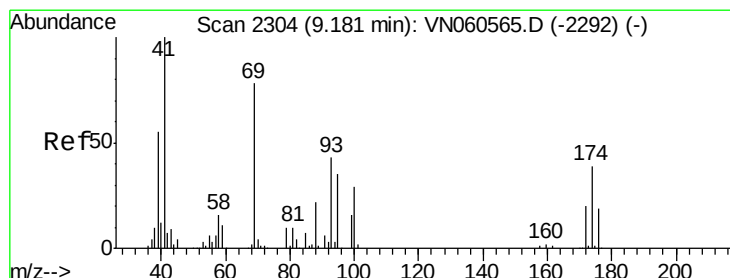
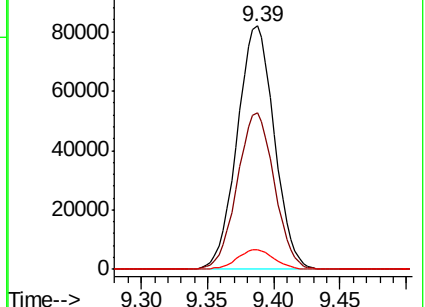
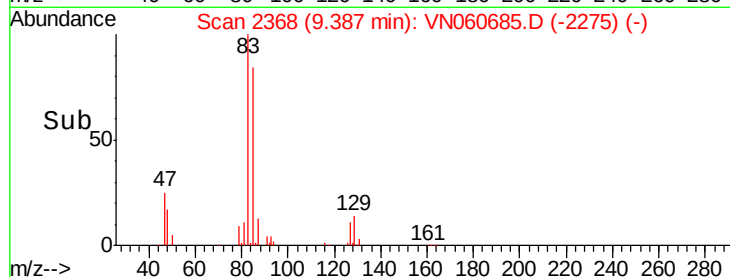
127 8.3 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060685.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060685.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060685.D (-2275) (-)



#48

Methyl methacrylate

Concen: 53.194 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

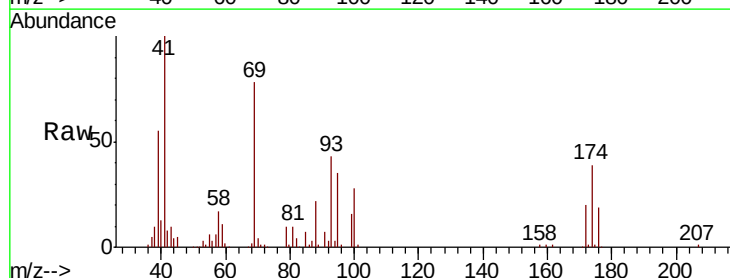
Tgt Ion: 41 Resp: 129261

Ion Ratio Lower Upper

41 100

69 81.7 65.4 98.0

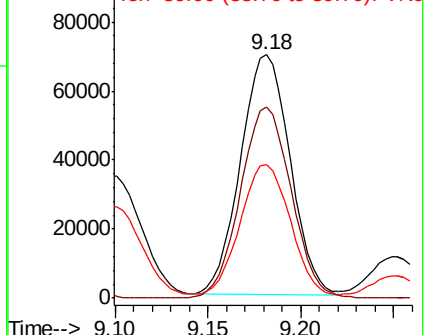
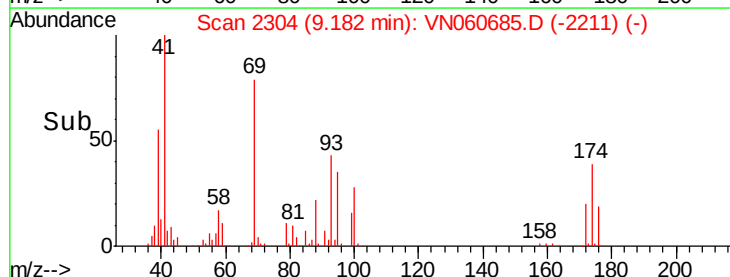
39 54.6 44.0 66.0

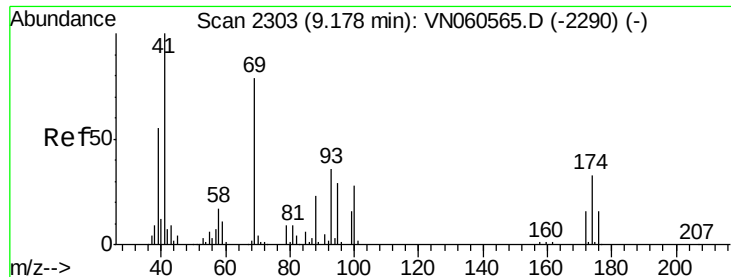


Abundance Ion 41.00 (40.70 to 41.70): VN060685.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060685.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060685.D (-2211) (-)

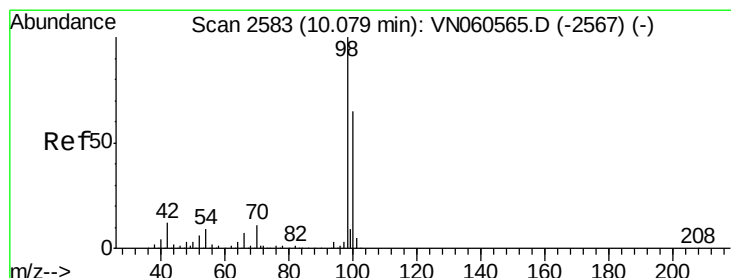
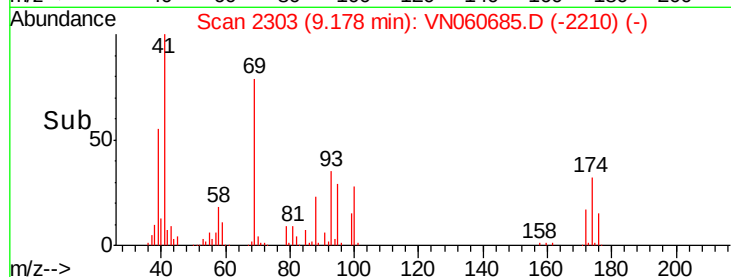
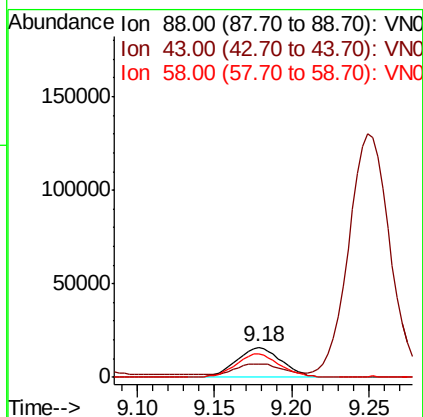
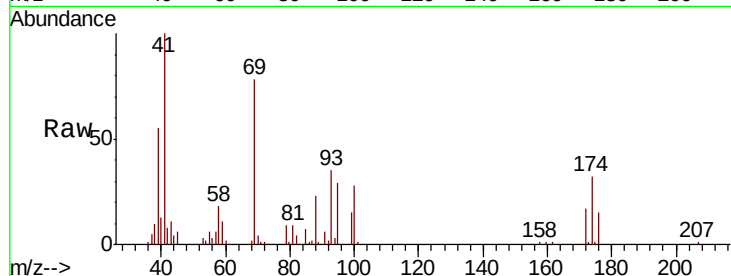




#49
1,4-Dioxane
Concen: 1124.319 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

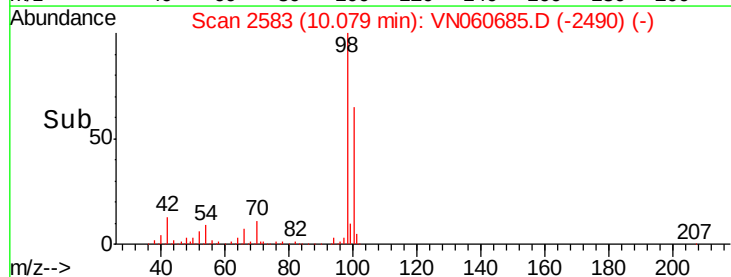
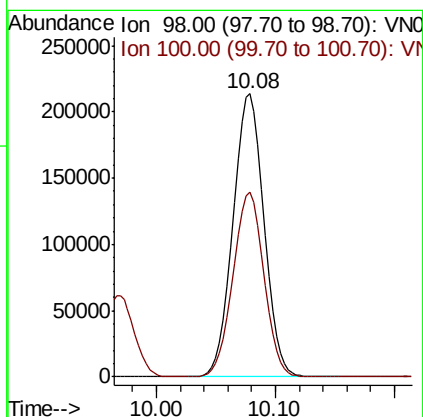
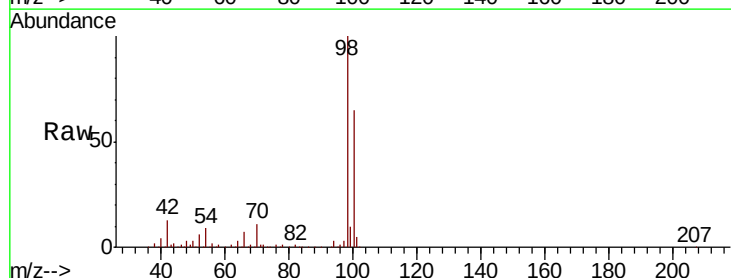
Instrument :
MSVOA_N
ClientSampleId :

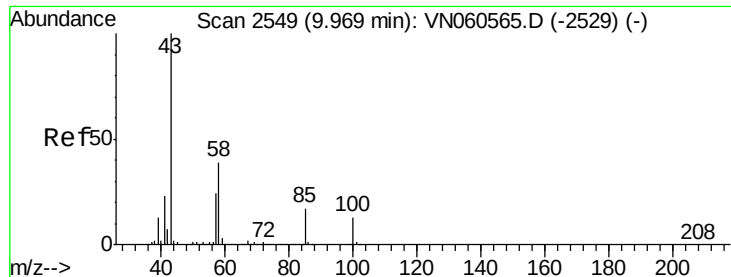
Tot Ion: 88 Resp: 32474
Ion Ratio Lower Upper
88 100
43 37.1 30.8 46.2
58 75.4 59.8 89.8



#50
Toluene-d8
Concen: 49.281 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion: 98 Resp: 384990
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 273.763 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

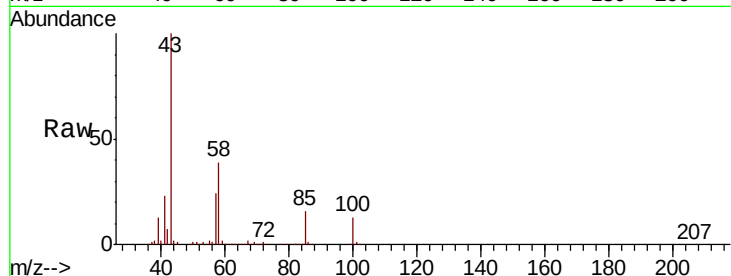
ClientSampleId :

Tot Ion: 43 Resp: 850241

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

500000

400000

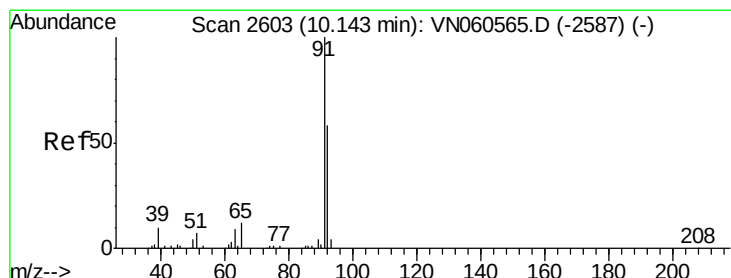
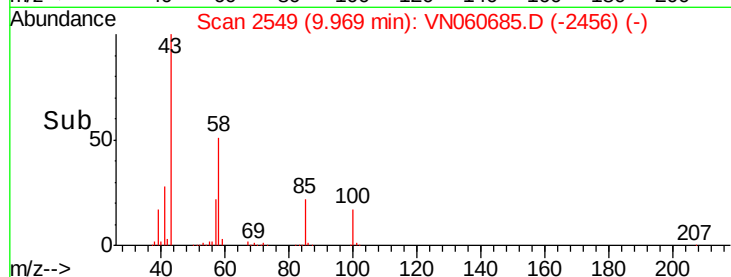
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.772 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060685.D

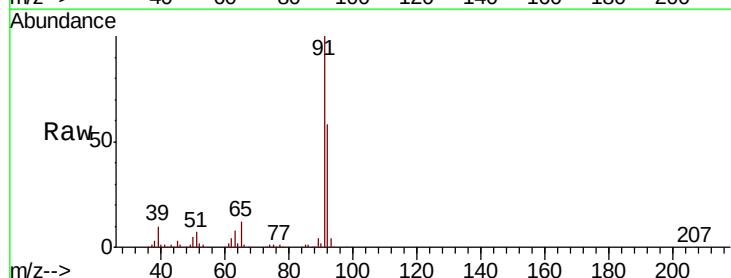
Acq: 24 Mar 2020 20:09

Tgt Ion: 92 Resp: 283501

Ion Ratio Lower Upper

92 100

91 171.9 137.6 206.4



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

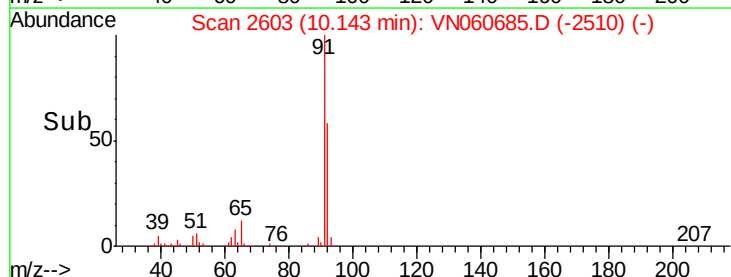
150000

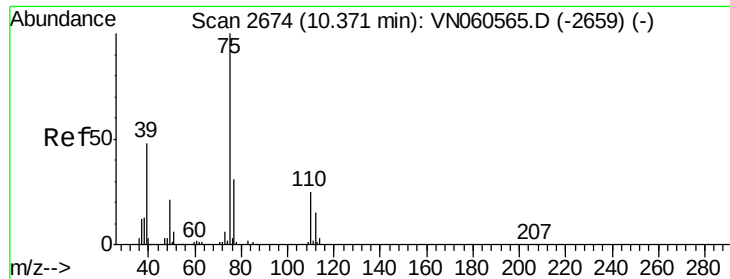
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.626 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

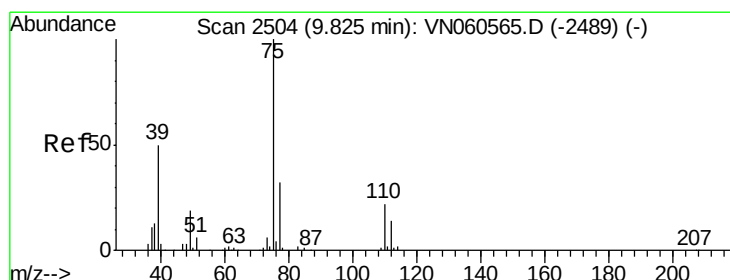
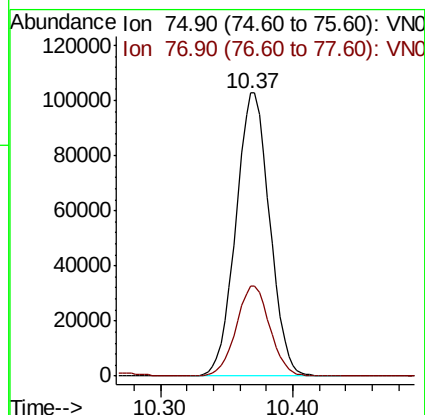
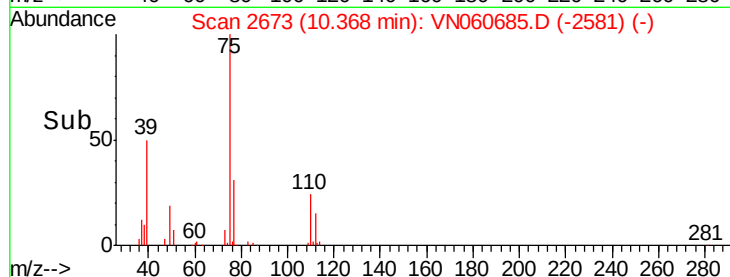
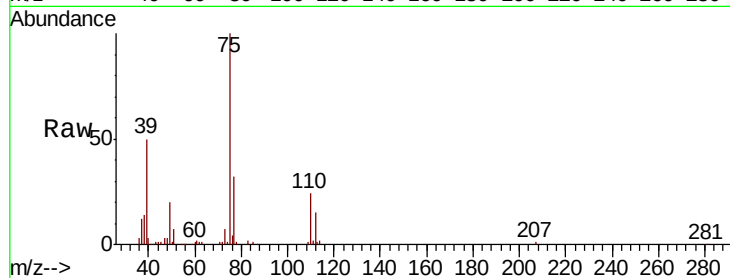
ClientSampled :

Tot Ion: 75 Resp: 181753

Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 50.280 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

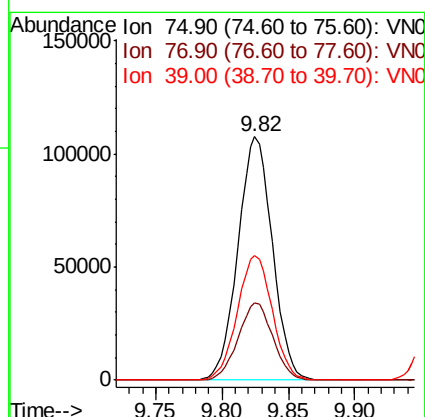
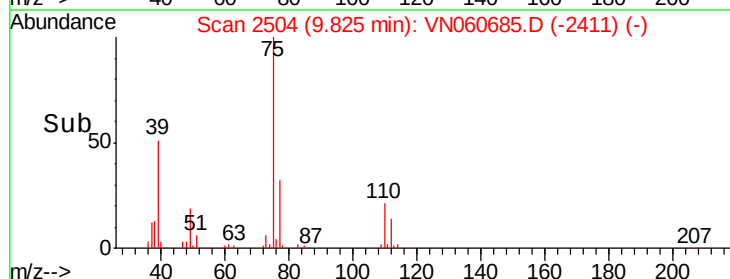
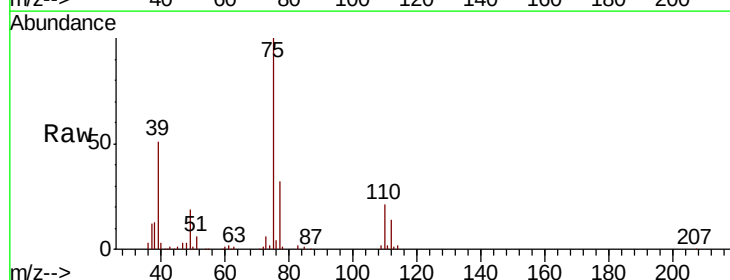
Tgt Ion: 75 Resp: 194194

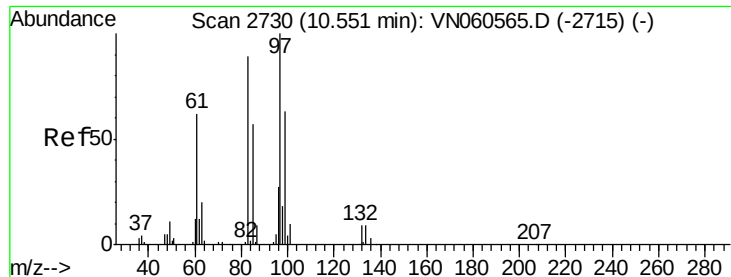
Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 51.4 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 51.316 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

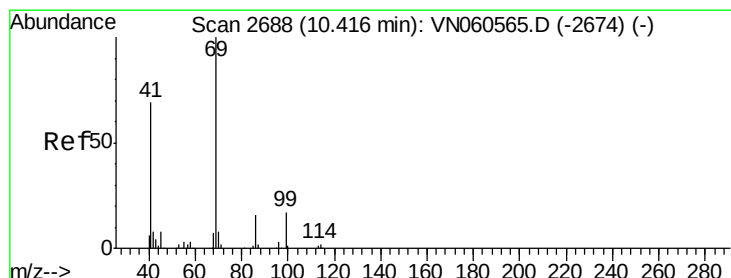
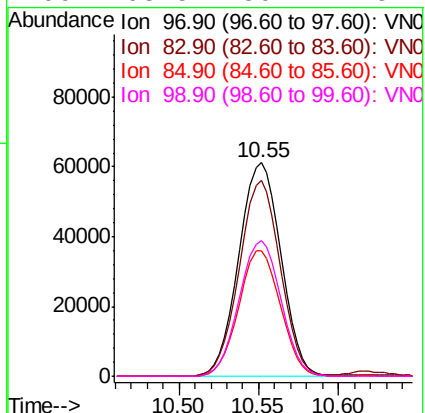
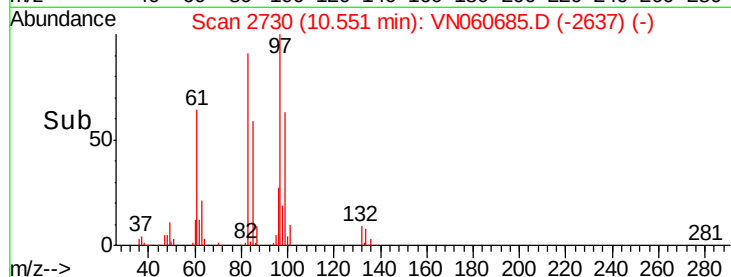
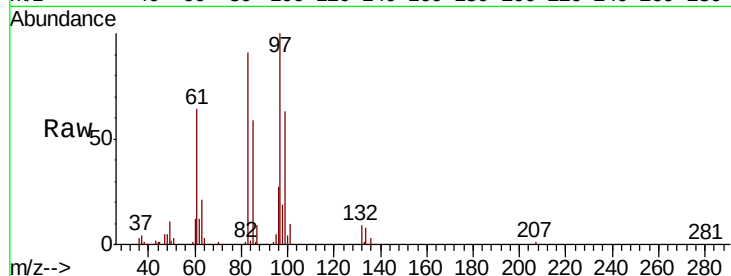
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 110235

Ion	Ratio	Lower	Upper
97	100		
83	91.5	71.3	106.9
85	58.9	45.2	67.8
99	63.5	50.1	75.1



#56

Ethyl methacrylate

Concen: 53.963 ug/l

RT: 10.42 min Scan# 2688

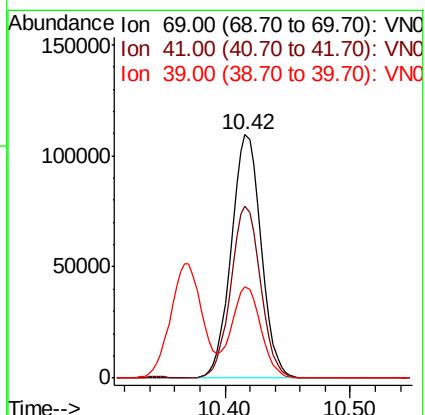
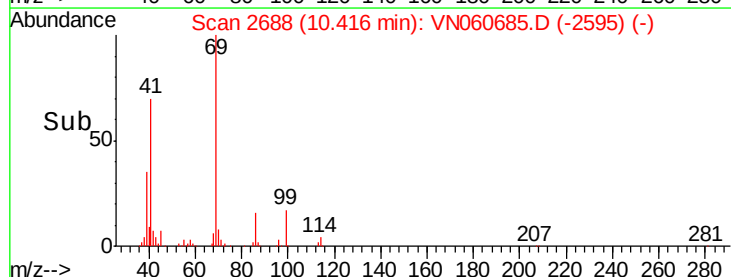
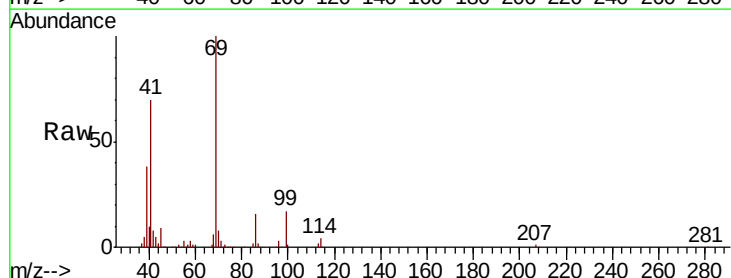
Delta R.T. 0.00 min

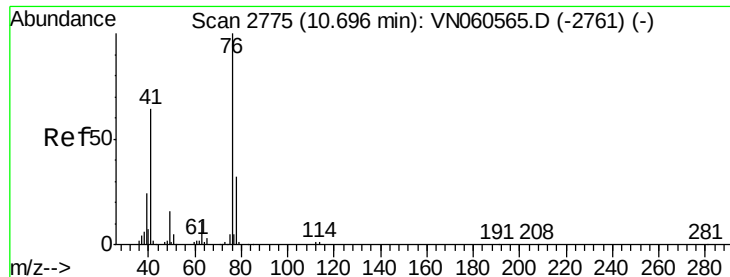
Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Tgt Ion: 69 Resp: 180748

Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.4	83.2
39	37.2	29.4	44.0





#57

1,3-Dichloropropane

Concen: 51.924 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

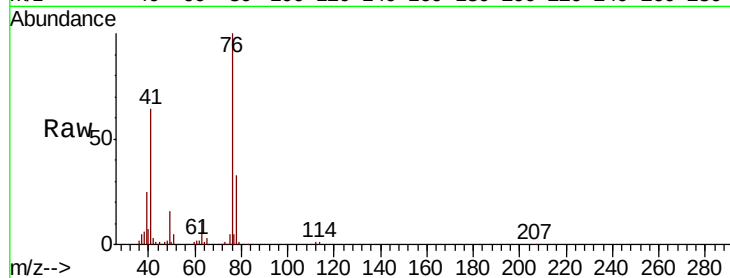
ClientSampled :

Tot Ion: 76 Resp: 193558

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN060685.D (-2761) (-)

Ion 77.90 (77.60 to 78.60): VN060685.D (-2761) (-)

10.70

120000

100000

80000

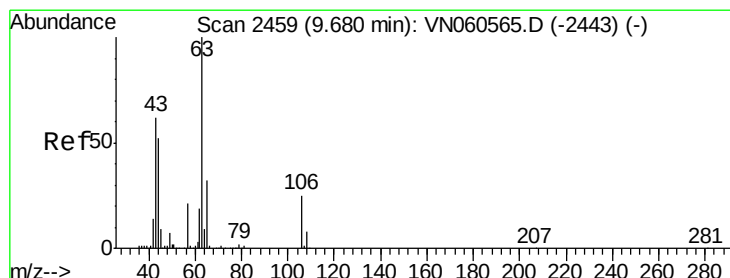
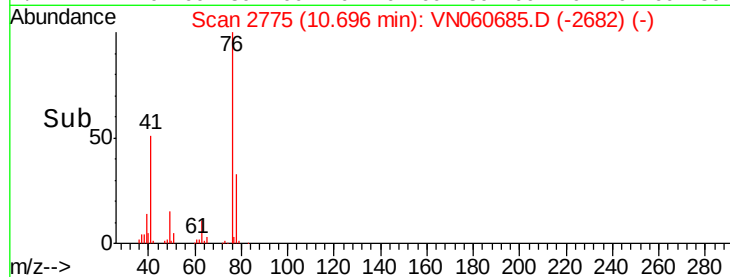
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 246.840 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060685.D

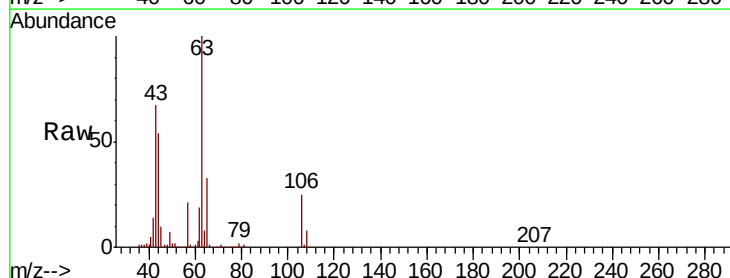
Acq: 24 Mar 2020 20:09

Tgt Ion: 63 Resp: 410926

Ion Ratio Lower Upper

63 100

106 25.0 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN060685.D (-2443) (-)

Ion 105.90 (105.60 to 106.60): VN060685.D (-2443) (-)

9.68

250000

200000

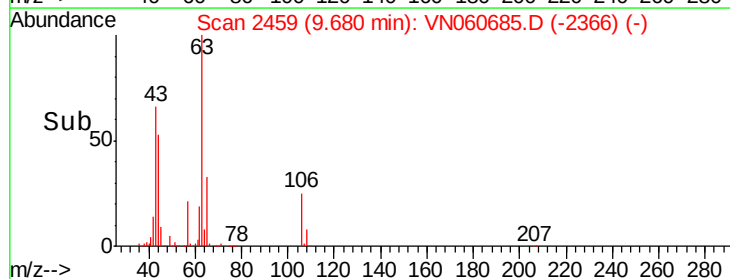
150000

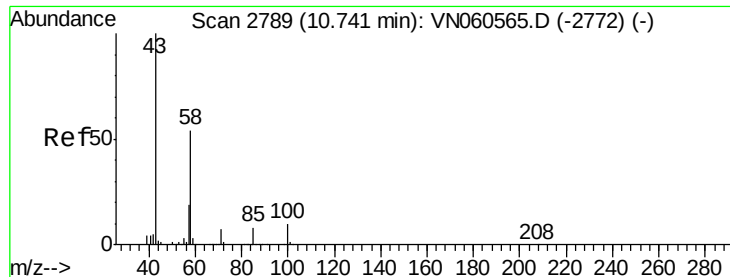
100000

50000

0

Time--> 9.60 9.70 9.80

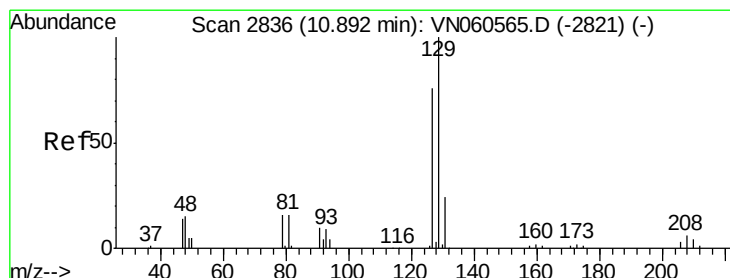
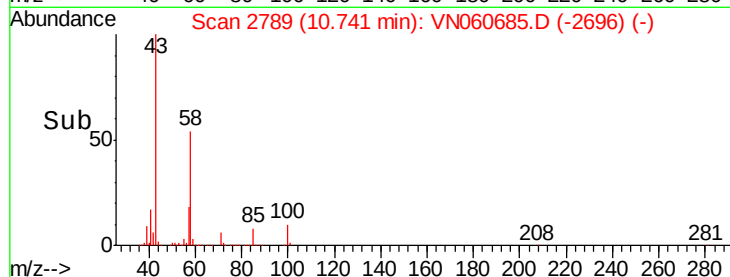
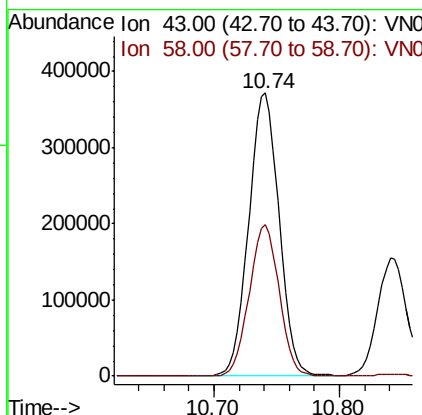
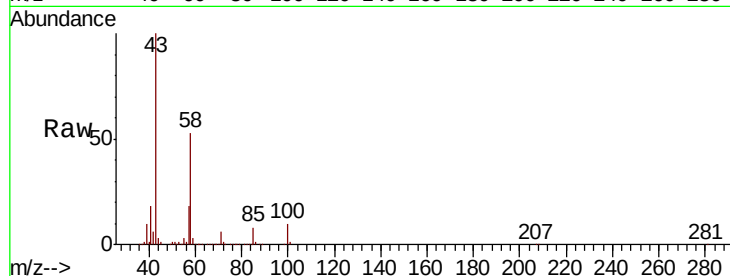




#59
2-Hexanone
Concen: 278.365 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

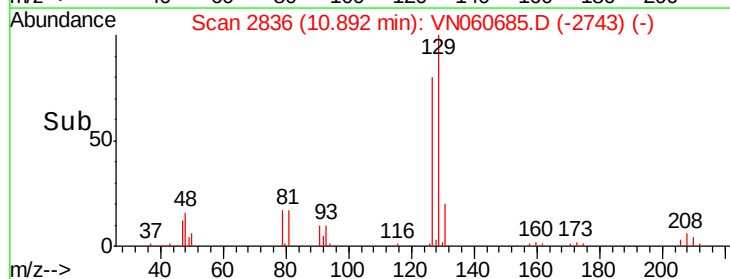
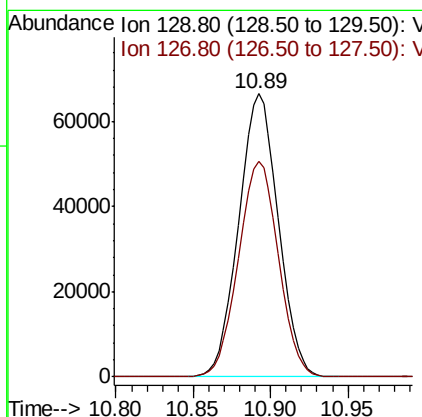
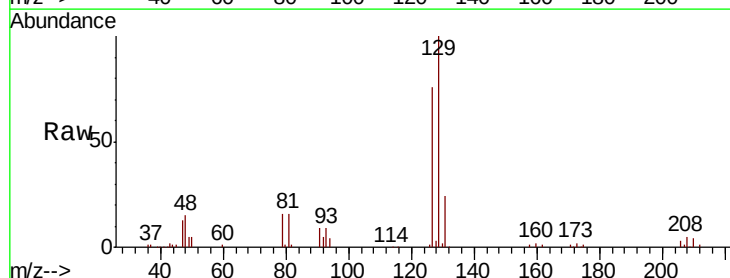
Instrument :
MSVOA_N
ClientSampled :

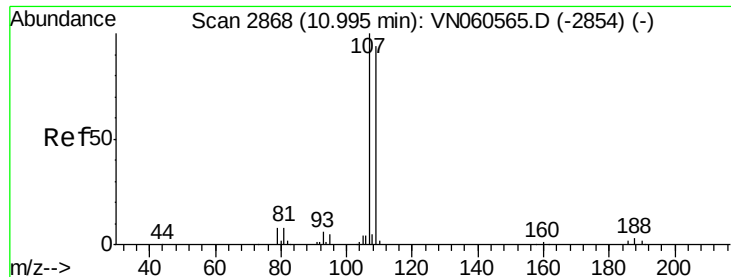
Tot Ion: 43 Resp: 622768
Ion Ratio Lower Upper
43 100
58 53.1 26.7 80.1



#60
Dibromochloromethane
Concen: 53.333 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion: 129 Resp: 118344
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5

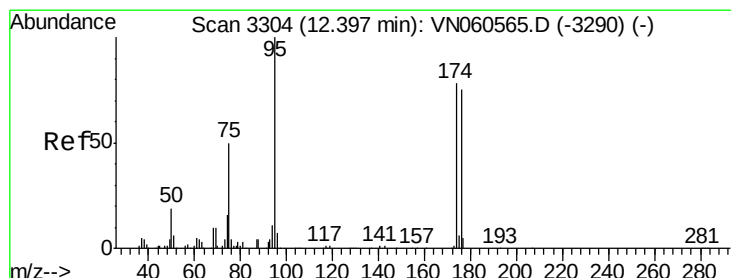
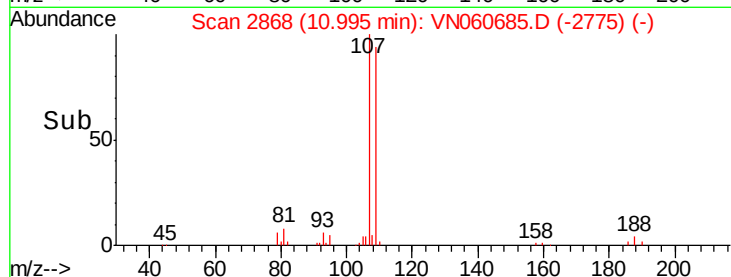
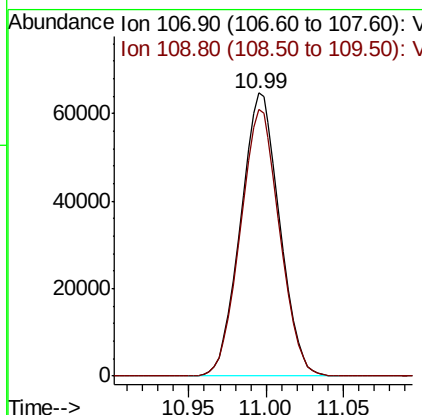
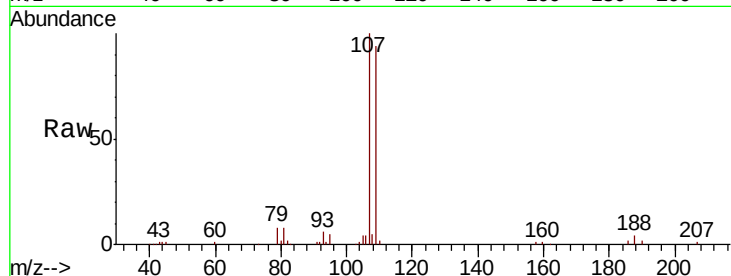




#61
 1,2-Dibromoethane
 Concen: 52.488 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

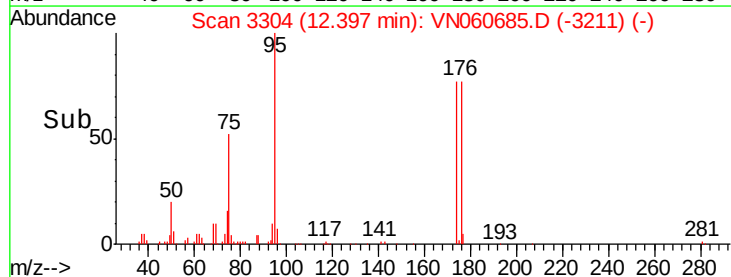
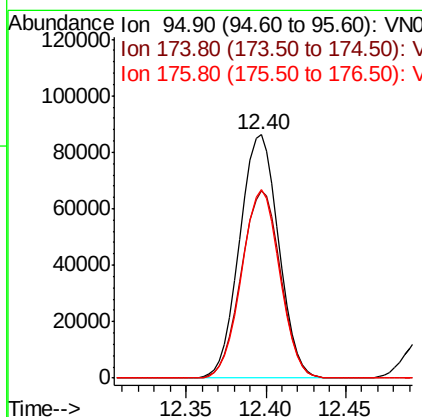
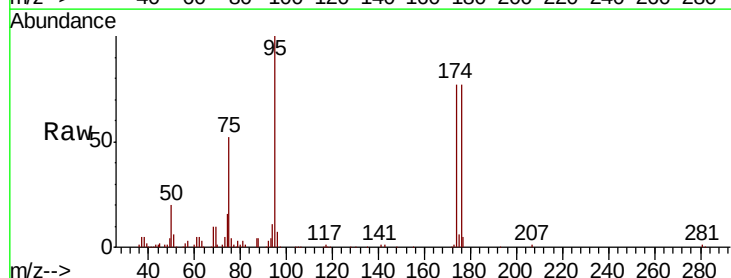
Instrument :
 MSVOA_N
 ClientSampleId :

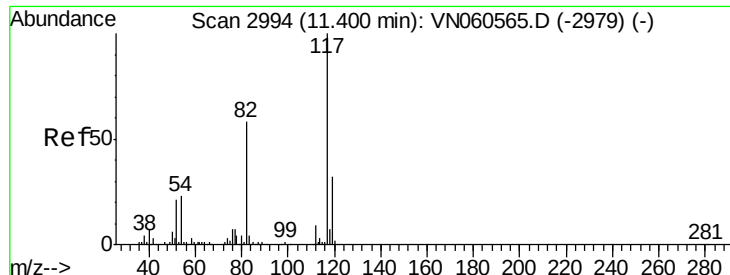
Tot Ion:107 Resp: 113380
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 50.026 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

Tgt Ion: 95 Resp: 143225
 Ion Ratio Lower Upper
 95 100
 174 77.4 0.0 157.6
 176 75.8 0.0 150.6

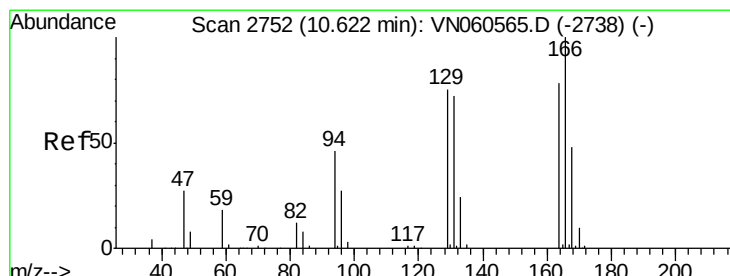
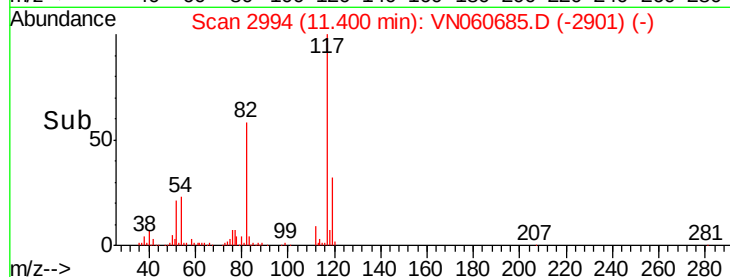
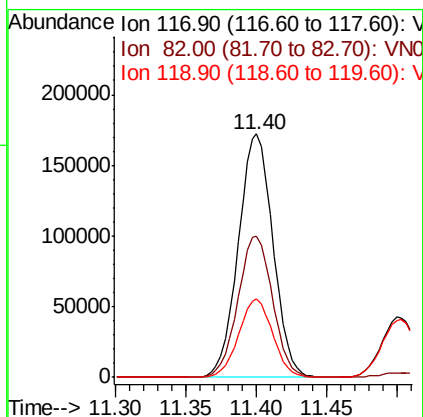
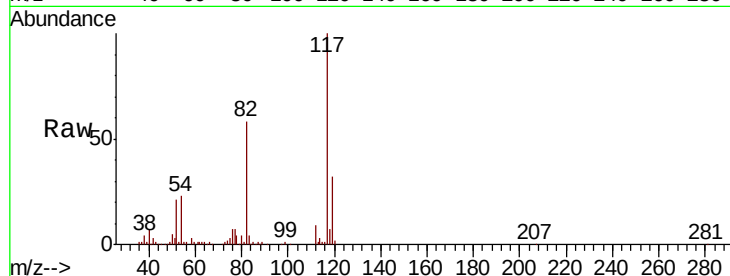




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

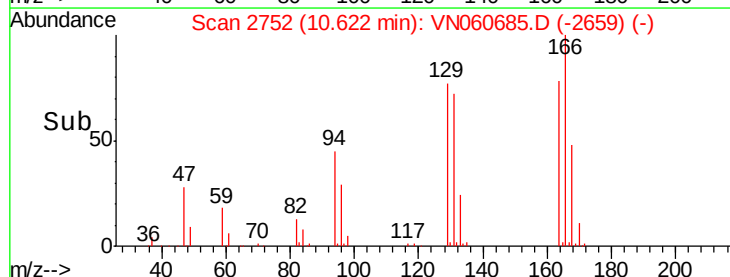
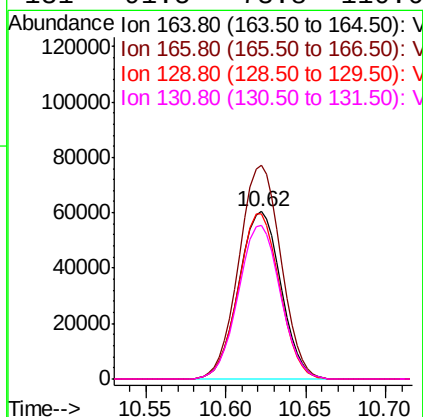
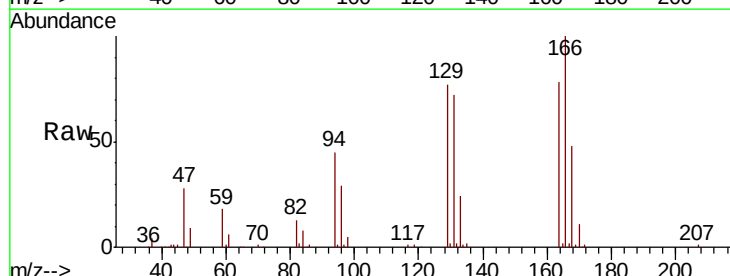
Instrument :
MSVOA_N
ClientSampled :

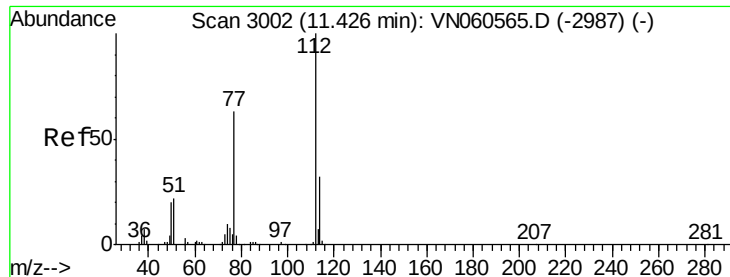
Tot Ion:117 Resp: 296058
Ion Ratio Lower Upper
117 100
82 58.2 46.7 70.1
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 46.692 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion:164 Resp: 108779
Ion Ratio Lower Upper
164 100
166 127.4 102.7 154.1
129 98.4 77.2 115.8
131 91.5 73.8 110.6

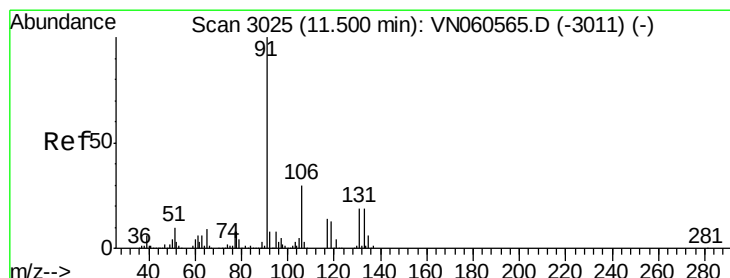
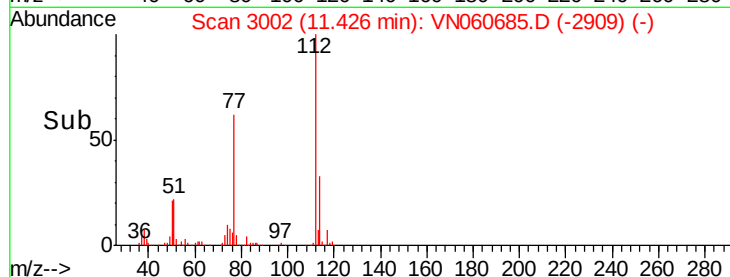
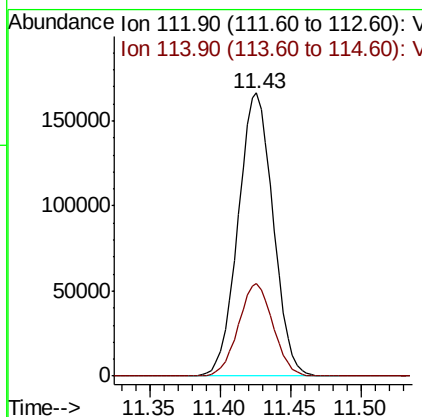
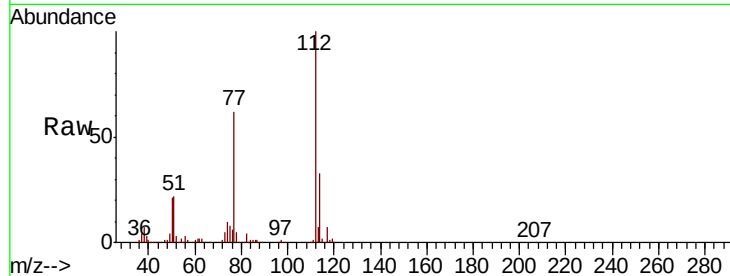




#65
Chlorobenzene
Concen: 49.255 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

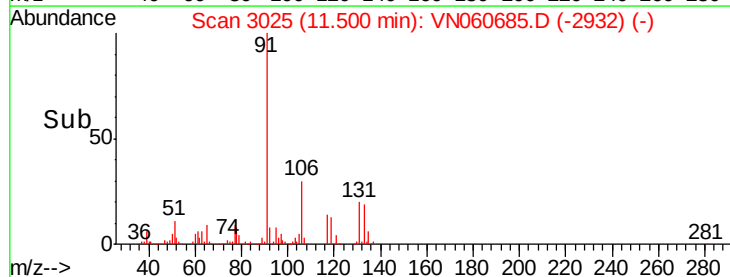
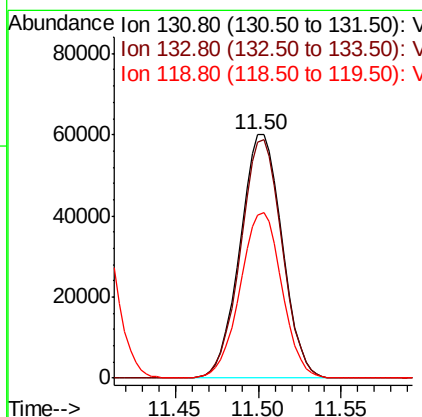
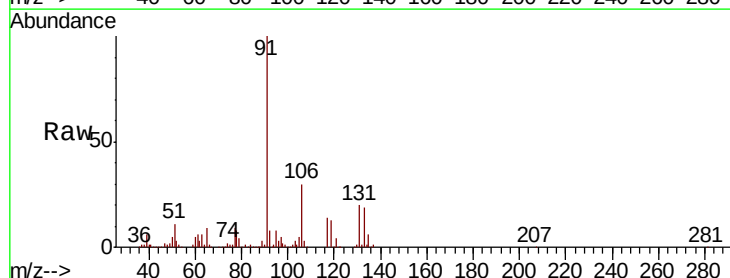
Instrument :
MSVOA_N
ClientSampleId :

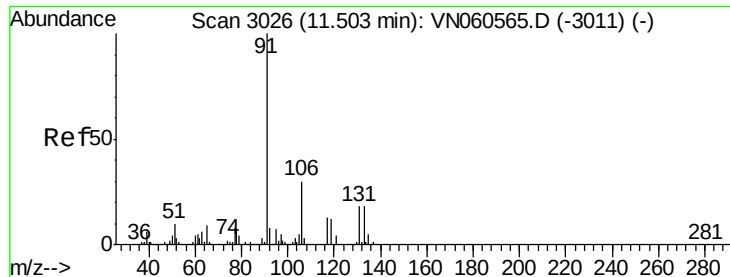
Tot Ion:112 Resp: 289079
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.951 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion:131 Resp: 106146
Ion Ratio Lower Upper
131 100
133 96.7 48.9 146.8
119 67.2 33.9 101.7





#67

Ethyl Benzene

Concen: 49.380 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

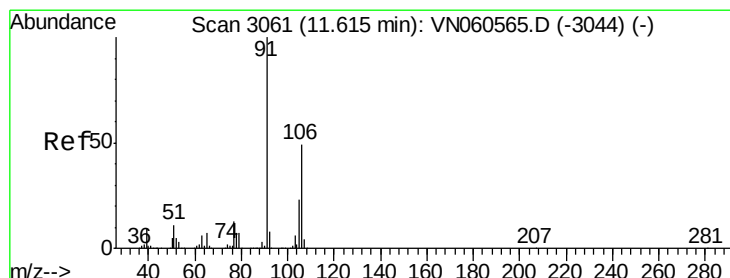
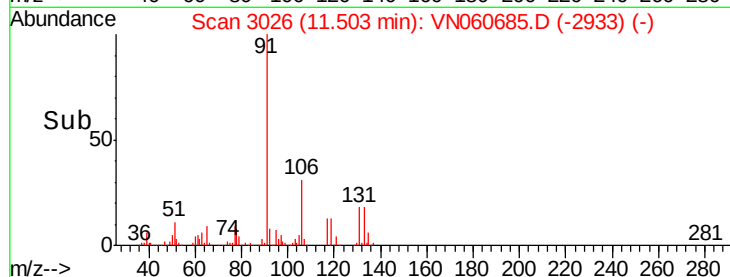
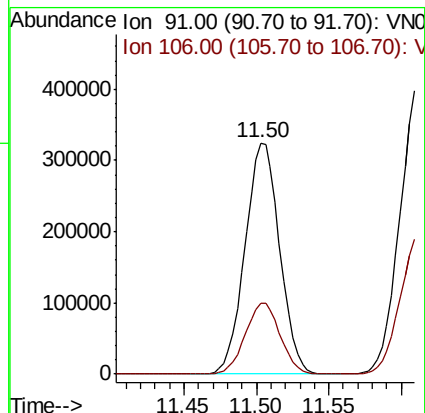
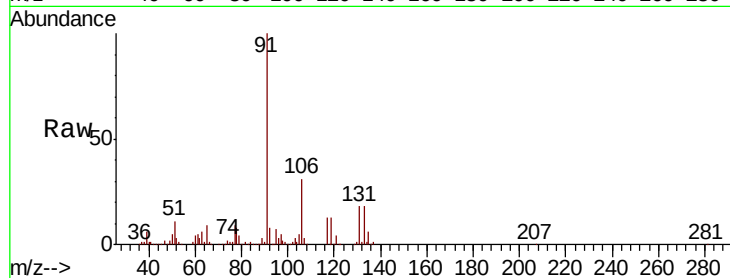
ClientSampleId :

Tot Ion: 91 Resp: 538957

Ion Ratio Lower Upper

91 100

106 30.6 24.2 36.2



#68

m/p-Xylenes

Concen: 98.685 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060685.D

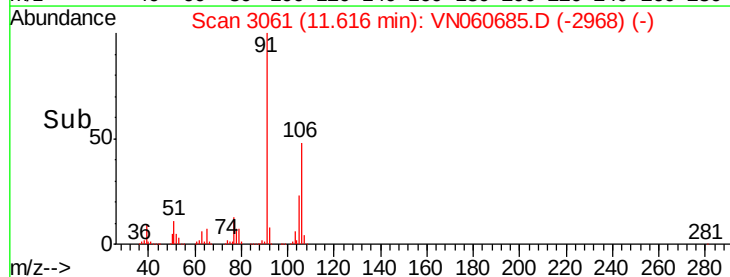
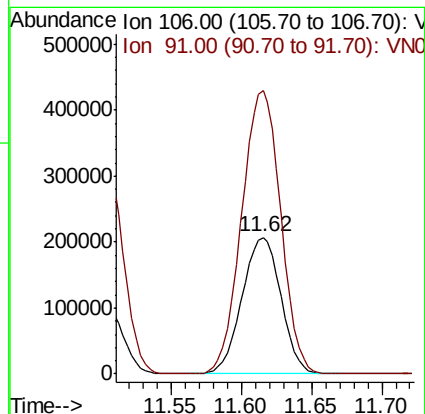
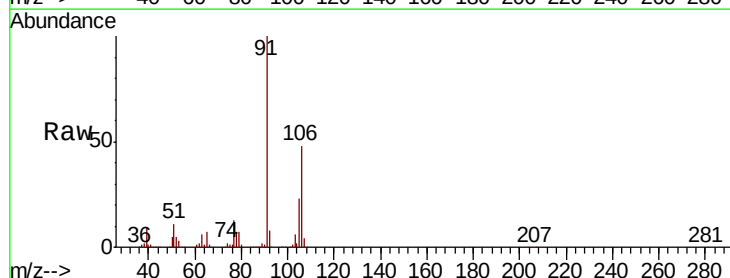
Acq: 24 Mar 2020 20:09

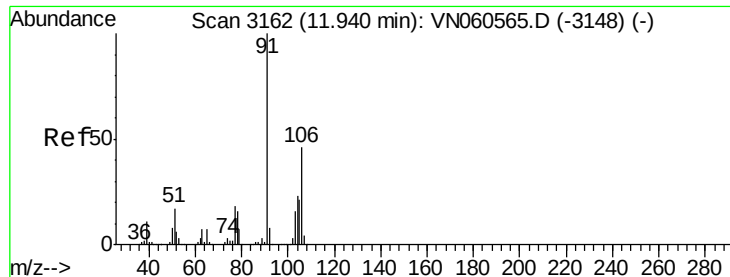
Tgt Ion: 106 Resp: 400251

Ion Ratio Lower Upper

106 100

91 208.1 165.0 247.4

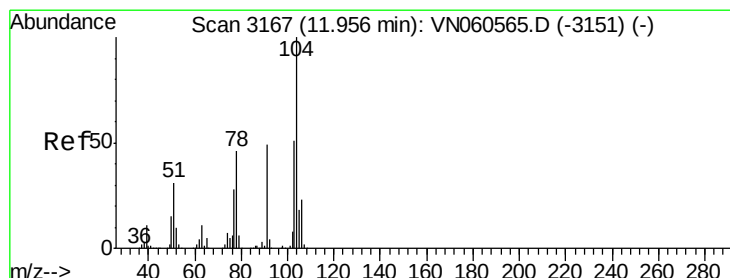
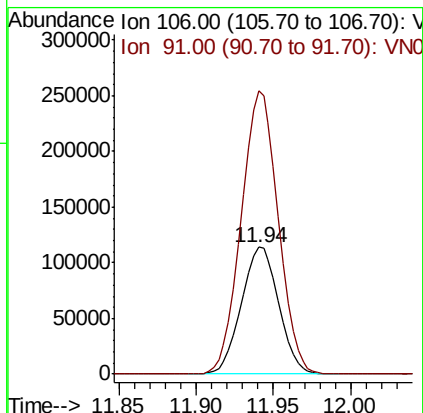
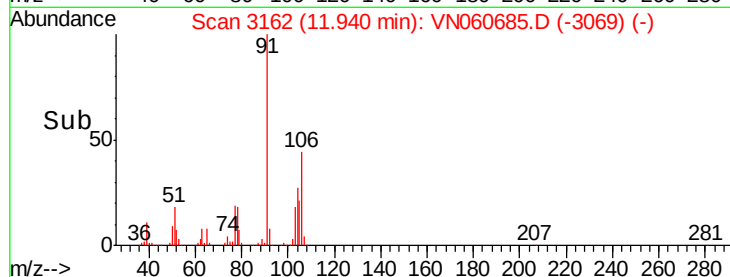
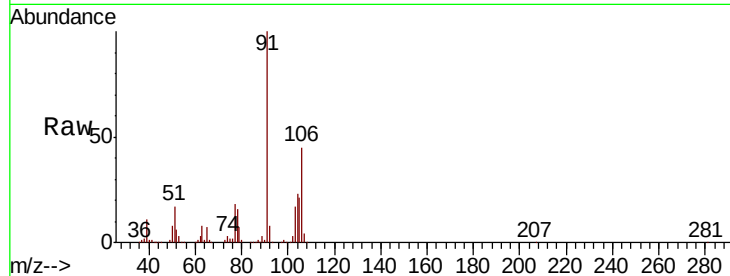




#69
o-Xylene
Concen: 49.521 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

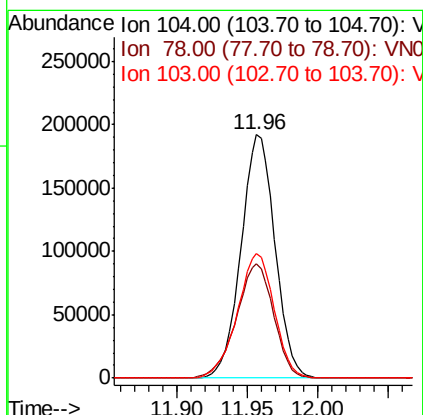
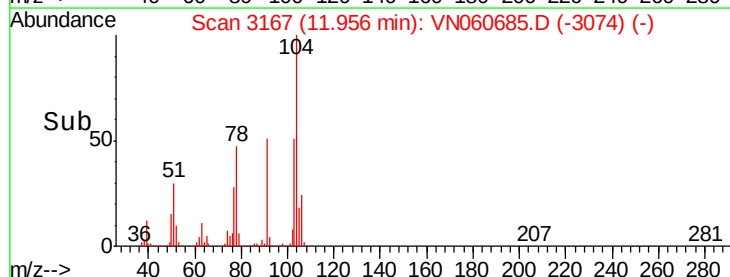
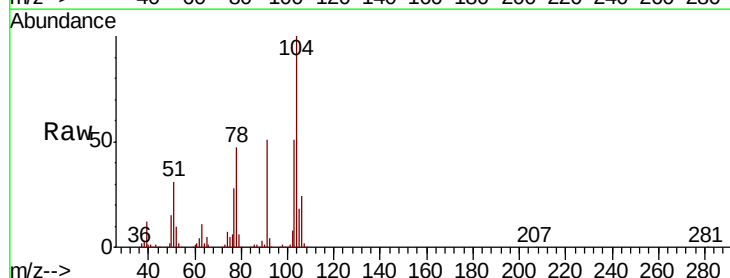
Instrument :
MSVOA_N
ClientSampled :

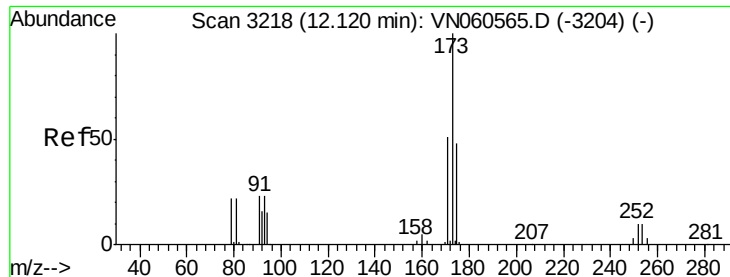
Tot Ion:106 Resp: 191737
Ion Ratio Lower Upper
106 100
91 220.4 109.5 328.4



#70
Styrene
Concen: 51.248 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion:104 Resp: 324516
Ion Ratio Lower Upper
104 100
78 51.4 41.2 61.8
103 55.3 44.0 66.0





#71

Bromoform

Concen: 48.489 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

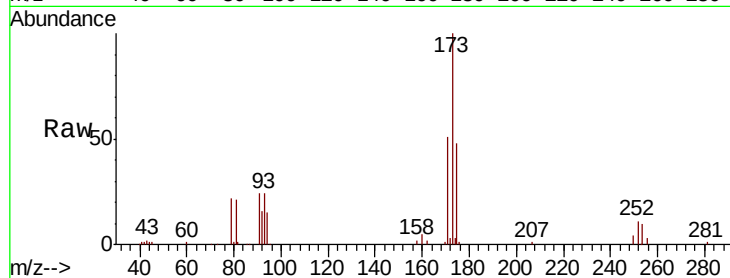
Tot Ion:173 Resp: 85546

Ion Ratio Lower Upper

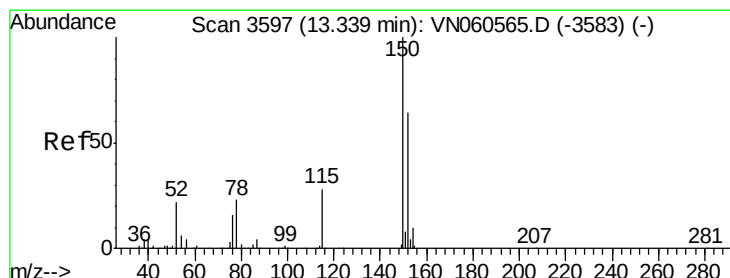
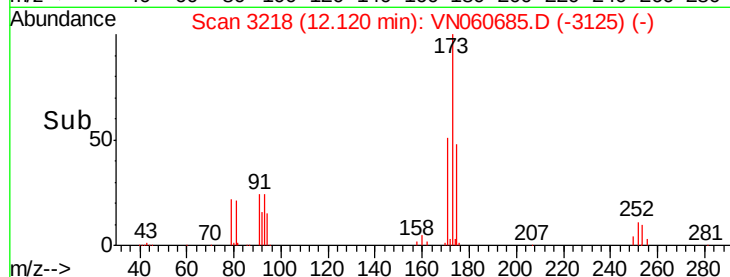
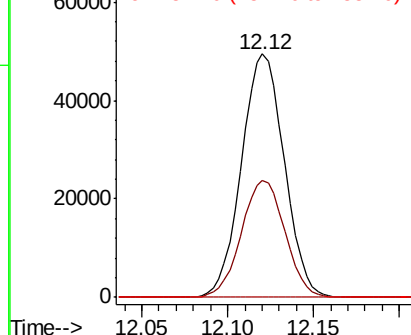
173 100

175 48.8 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: VN060685.D

Acq: 24 Mar 2020 20:09

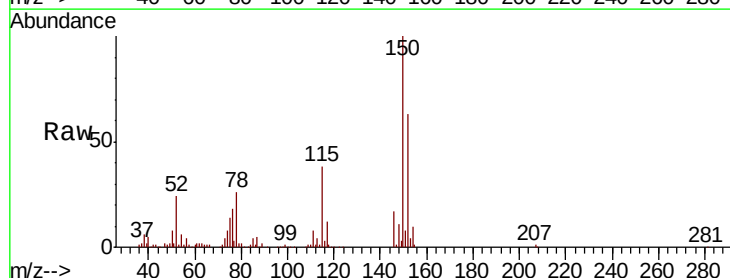
Tgt Ion:152 Resp: 145690

Ion Ratio Lower Upper

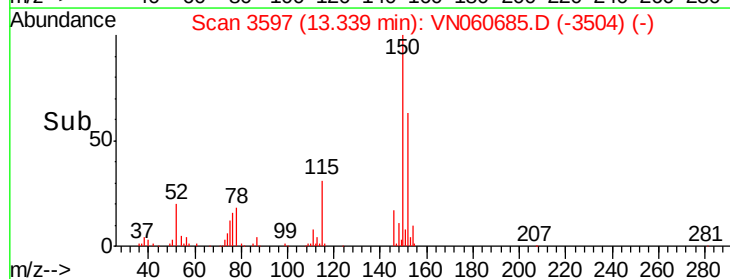
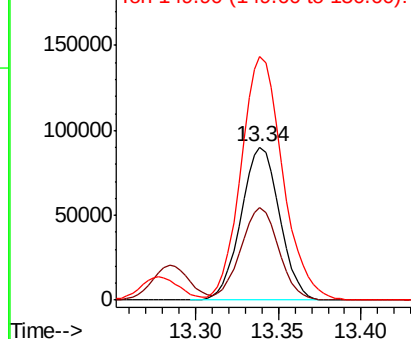
152 100

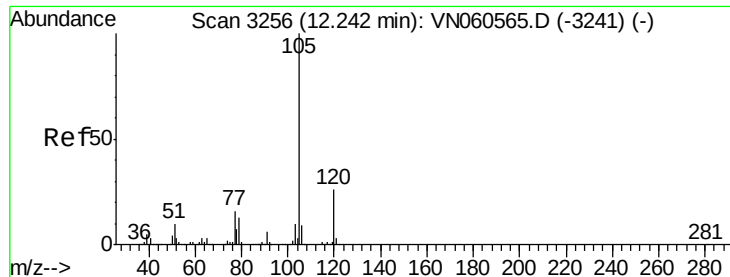
115 59.8 30.2 90.6

150 172.5 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: 46.977 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

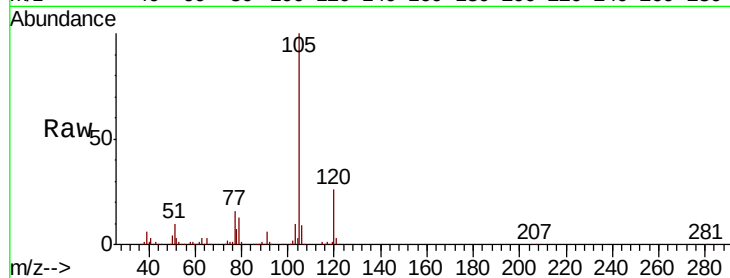
ClientSampled :

Tot Ion:105 Resp: 513623

Ion Ratio Lower Upper

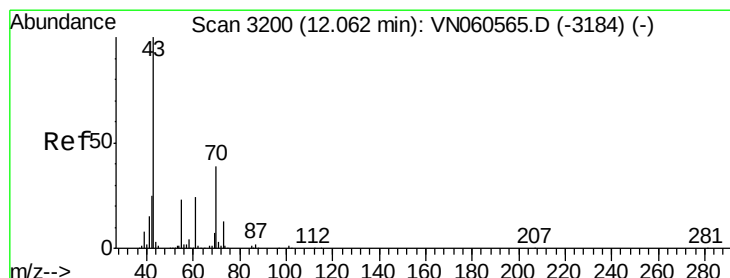
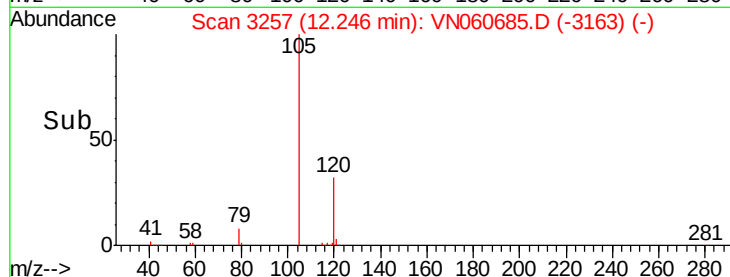
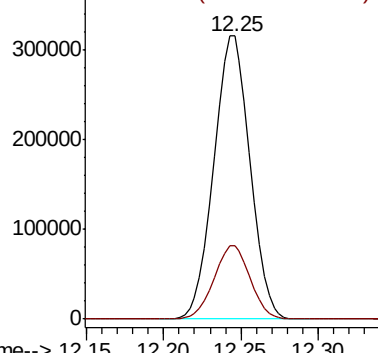
105 100

120 25.9 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: 50.625 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Tgt Ion: 43 Resp: 255770

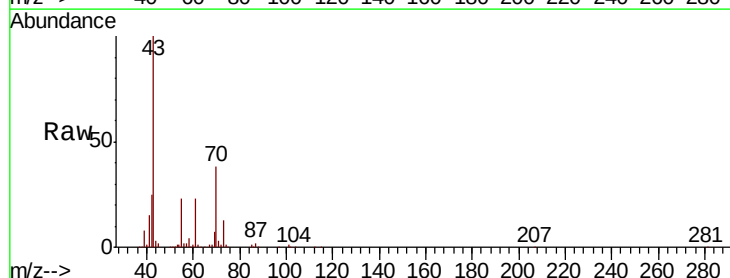
Ion Ratio Lower Upper

43 100

70 38.9 31.1 46.7

55 23.1 18.6 27.8

61 22.9 18.9 28.3

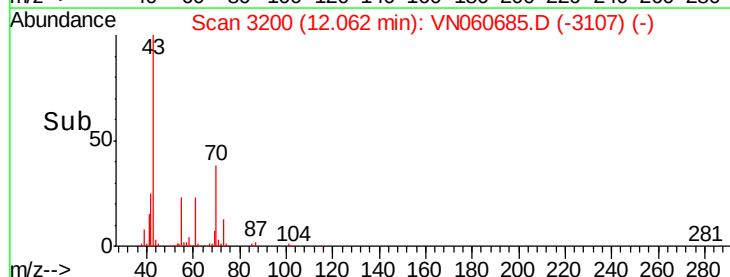
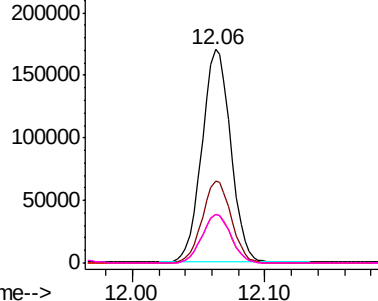


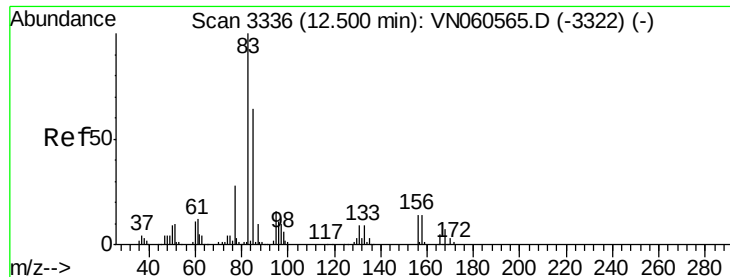
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.690 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampled :

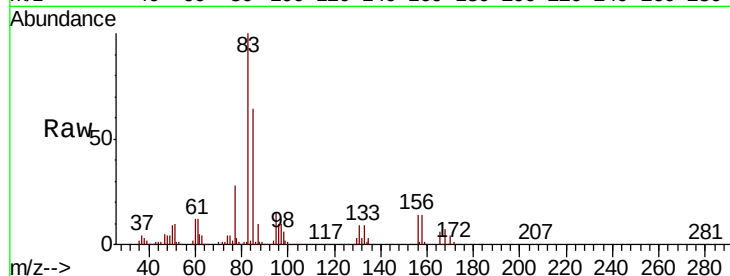
Tot Ion: 83 Resp: 164292

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

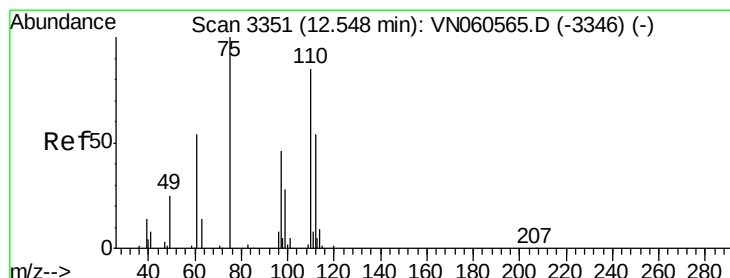
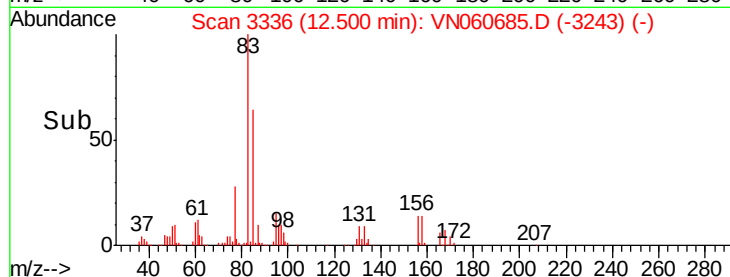
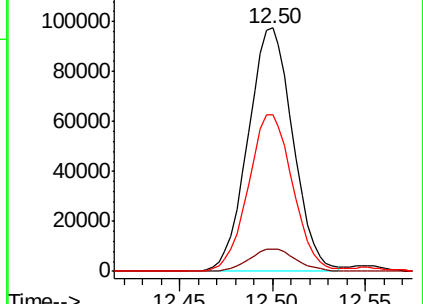
85 64.1 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN060685.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060685.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060685.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 70.154 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060685.D

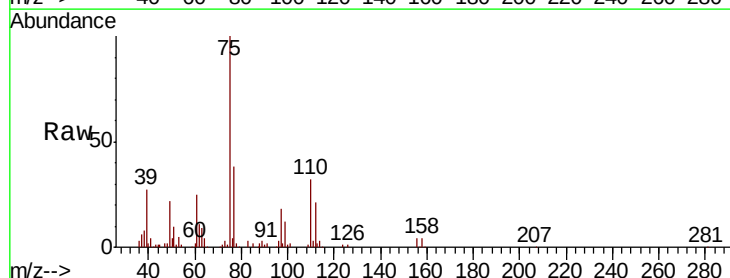
Acq: 24 Mar 2020 20:09

Tgt Ion: 75 Resp: 220543

Ion Ratio Lower Upper

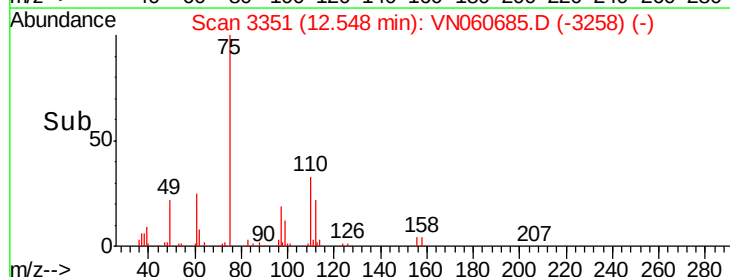
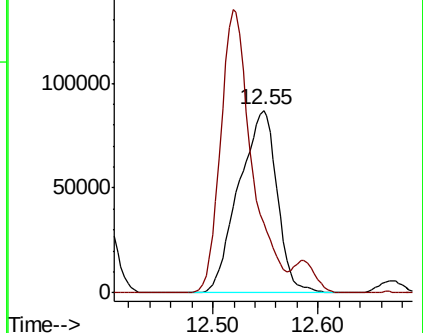
75 100

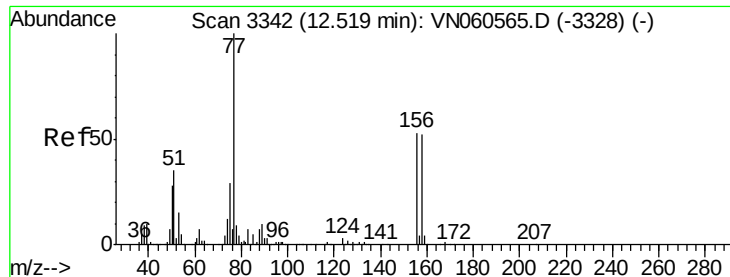
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060685.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060685.D (-3258) (-)





#77

Bromobenzene

Concen: 47.324 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

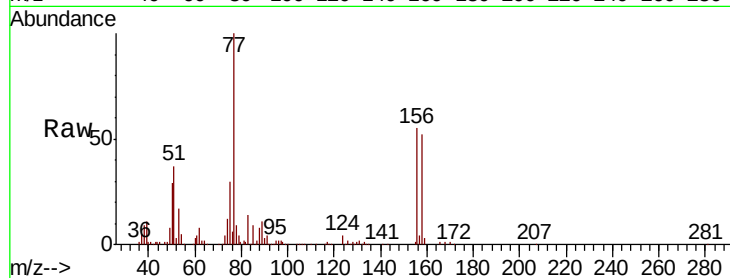
Tot Ion:156 Resp: 124678

Ion Ratio Lower Upper

156 100

77 223.1 112.3 337.0

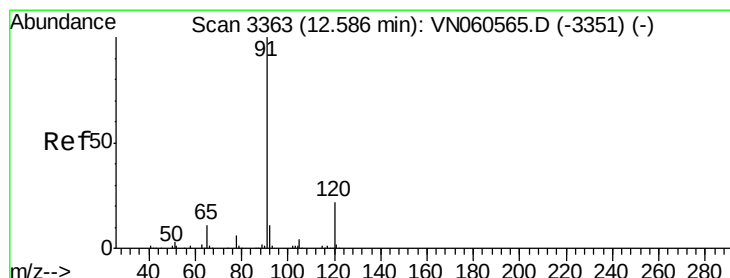
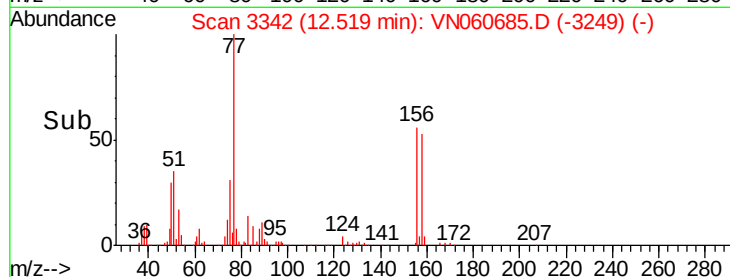
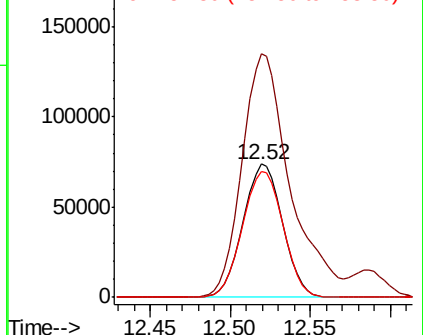
158 96.7 48.6 145.8



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: 47.264 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060685.D

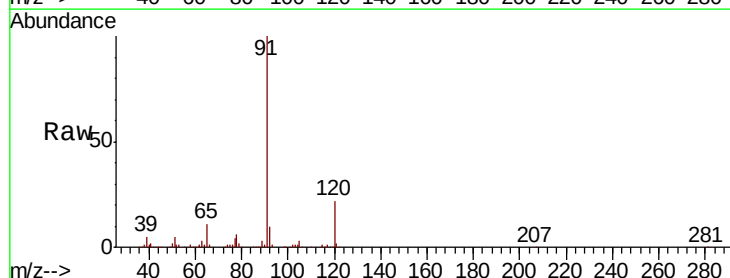
Acq: 24 Mar 2020 20:09

Tgt Ion: 91 Resp: 610519

Ion Ratio Lower Upper

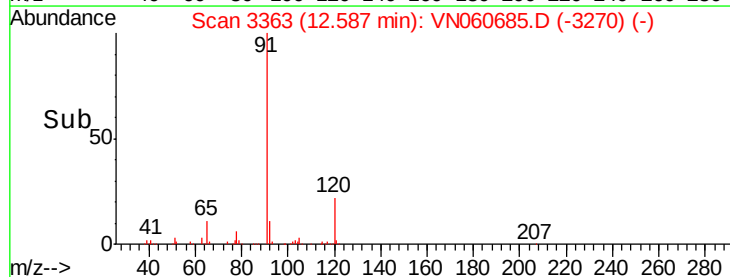
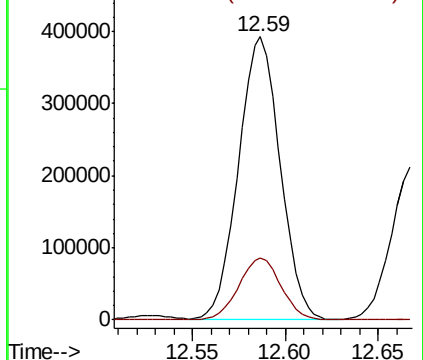
91 100

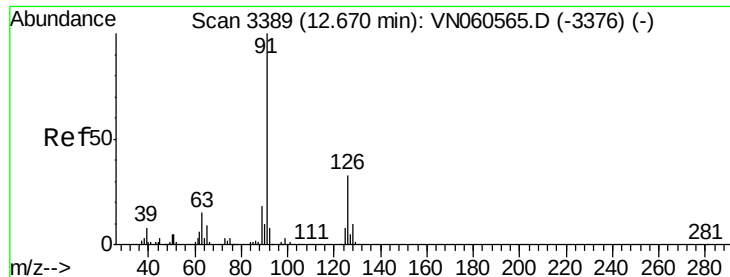
120 22.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

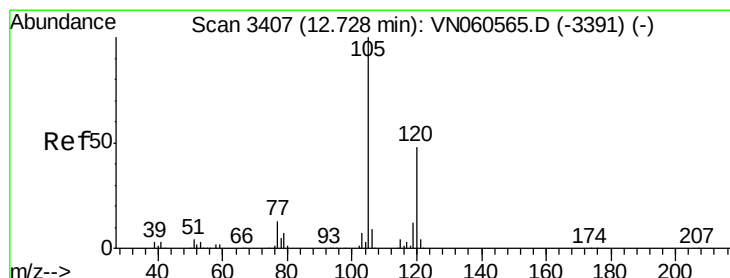
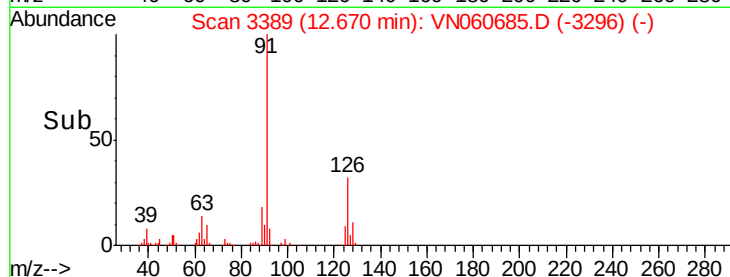
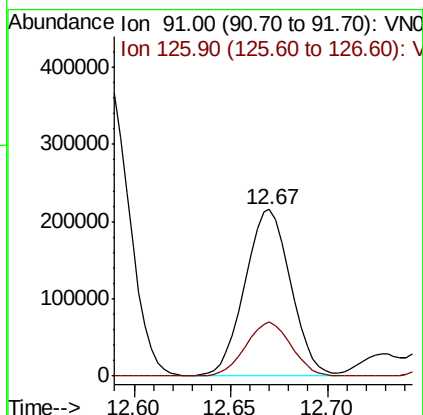
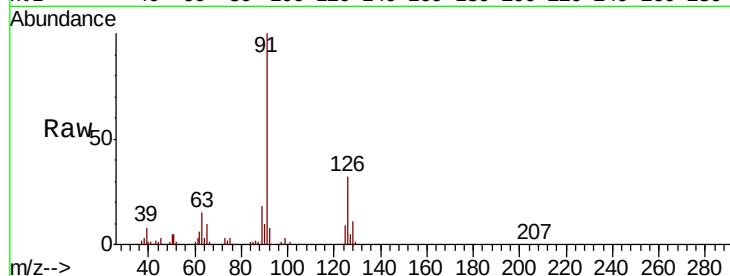




#79
 2-Chlorotoluene
 Concen: 46.113 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

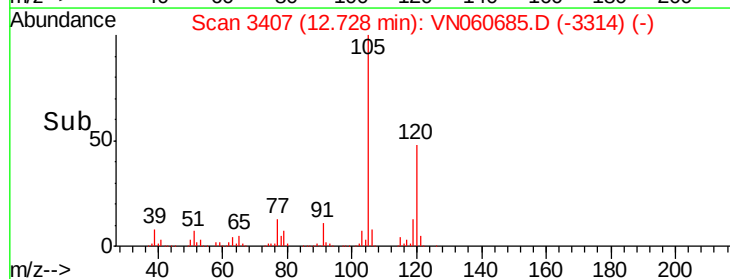
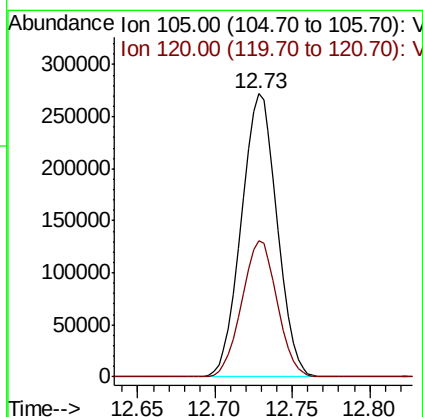
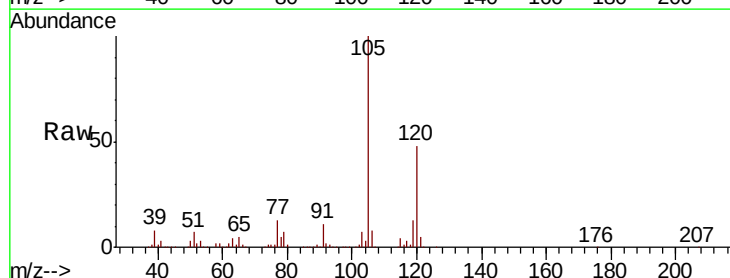
Instrument :
 MSVOA_N
 ClientSampled :

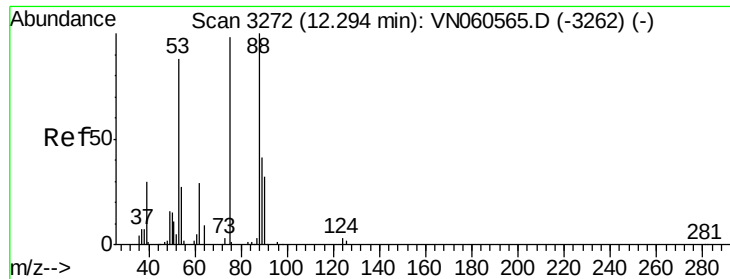
Tot Ion: 91 Resp: 355900
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 47.061 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

Tgt Ion: 105 Resp: 436651
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 47.941 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

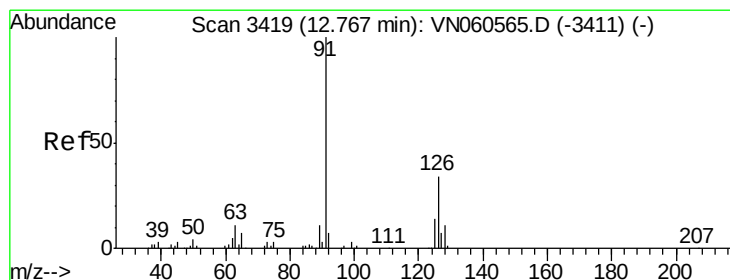
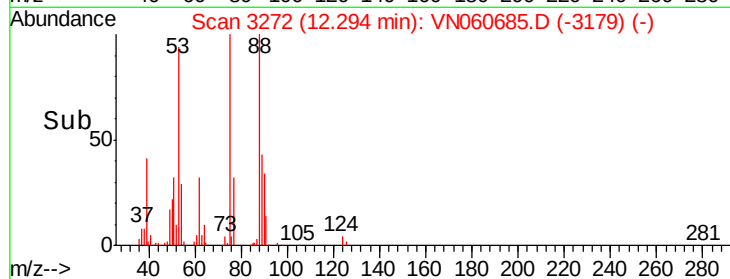
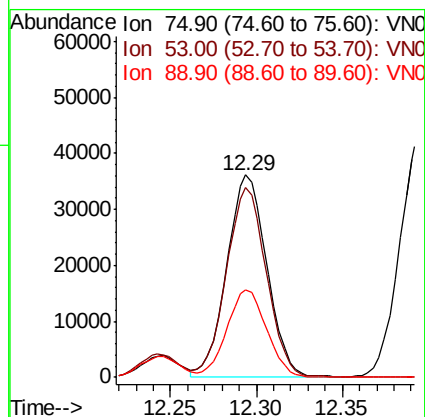
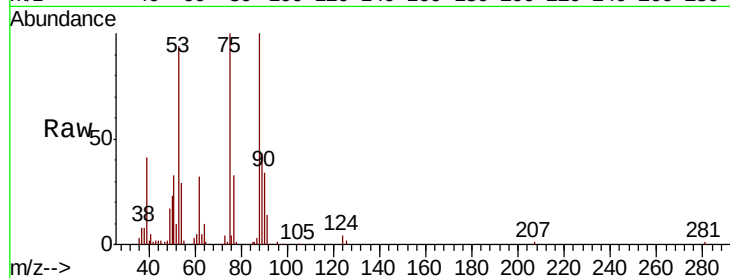
Tot Ion: 75 Resp: 58682

Ion Ratio Lower Upper

75 100

53 93.9 73.0 109.4

89 42.8 34.8 52.2



#82

4-Chlorotoluene

Concen: 47.433 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN060685.D

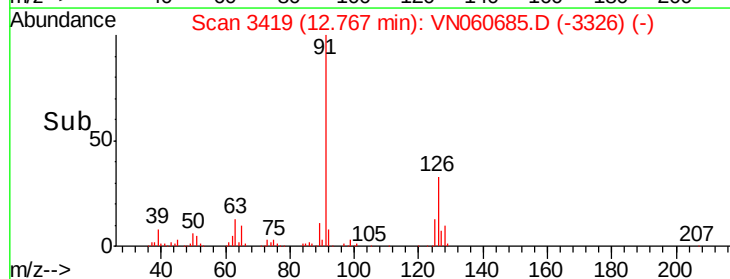
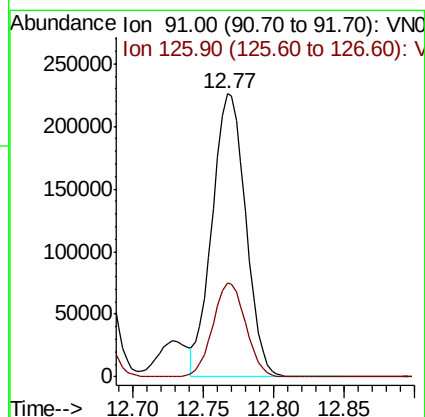
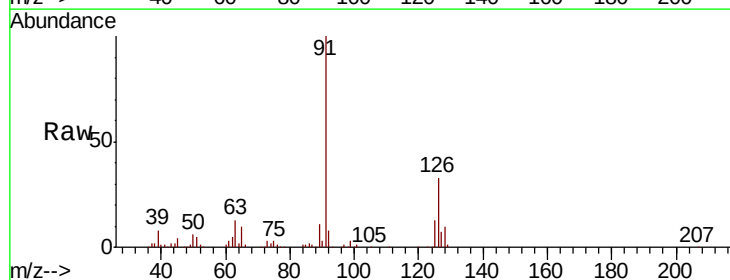
Acq: 24 Mar 2020 20:09

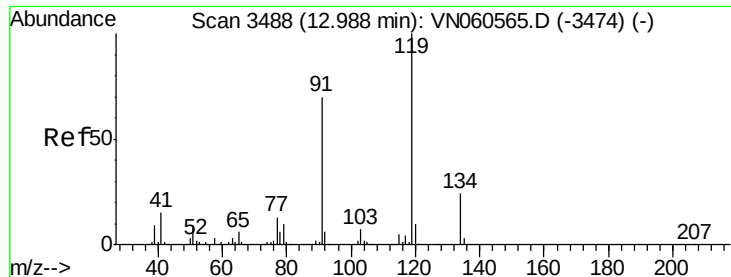
Tgt Ion: 91 Resp: 372855

Ion Ratio Lower Upper

91 100

126 32.5 16.2 48.5





#83

tert-Butylbenzene

Concen: 47.183 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampled :

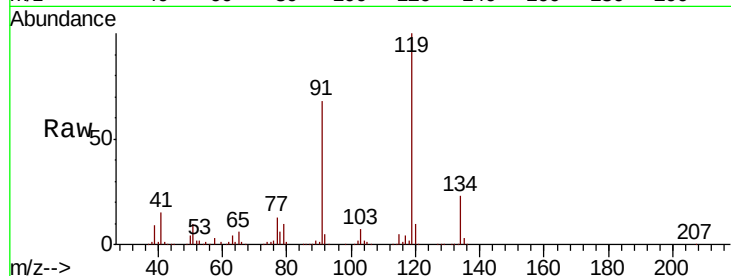
Tot Ion:119 Resp: 362906

Ion Ratio Lower Upper

119 100

91 67.3 34.0 101.8

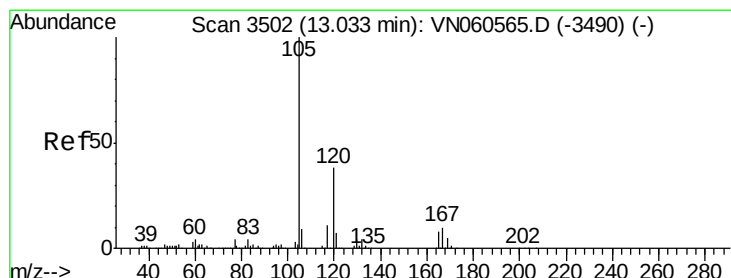
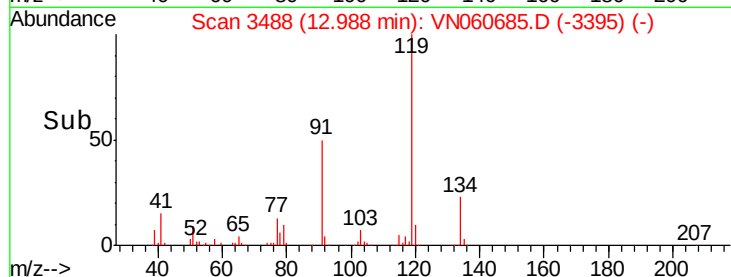
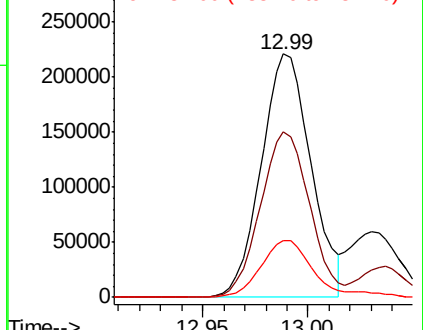
134 25.0 12.7 38.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.034 ug/l

RT: 13.03 min Scan# 3502

Delta R.T. 0.00 min

Lab File: VN060685.D

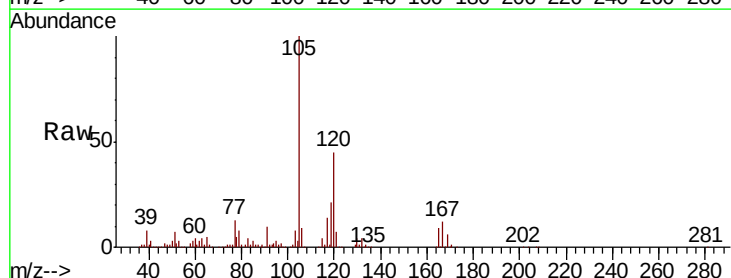
Acq: 24 Mar 2020 20:09

Tgt Ion:105 Resp: 440913

Ion Ratio Lower Upper

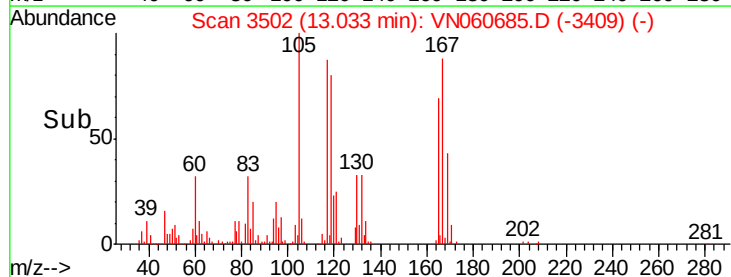
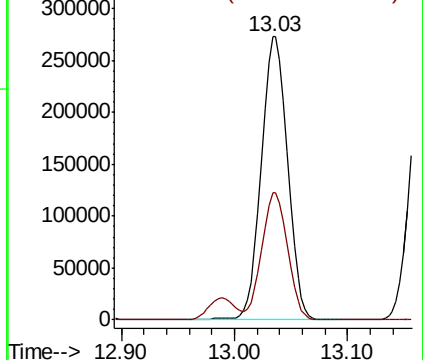
105 100

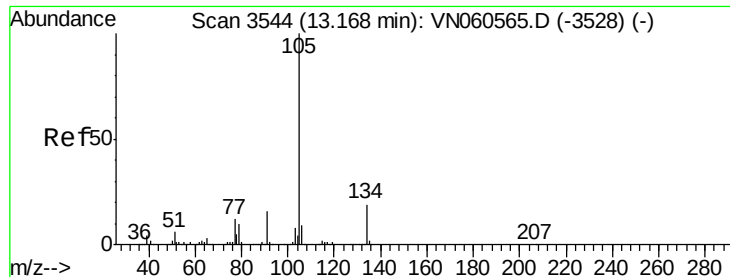
120 44.3 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.390 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

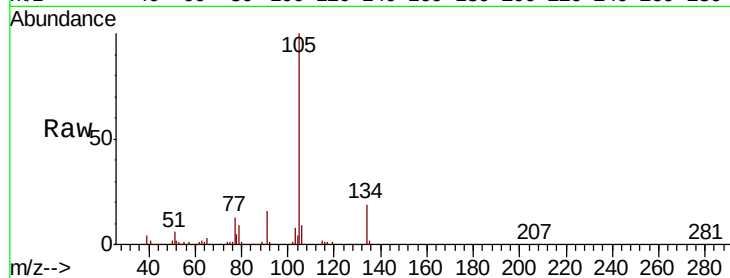
ClientSampleId :

Tot Ion:105 Resp: 490147

Ion Ratio Lower Upper

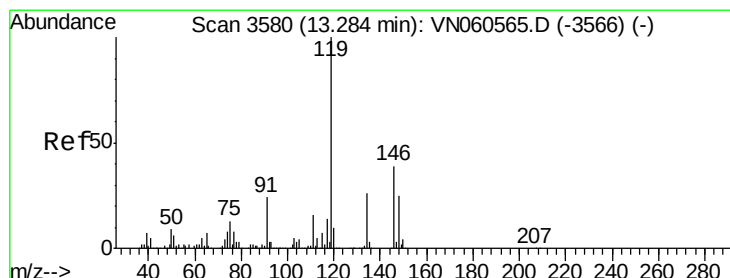
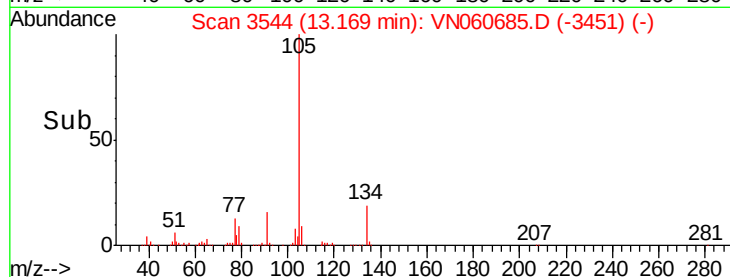
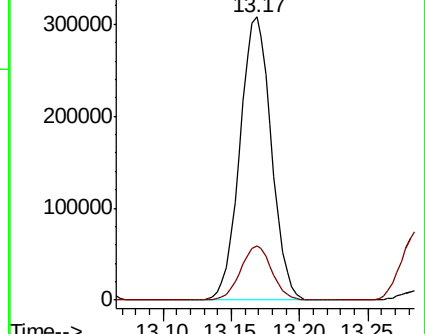
105 100

134 19.0 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.240 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

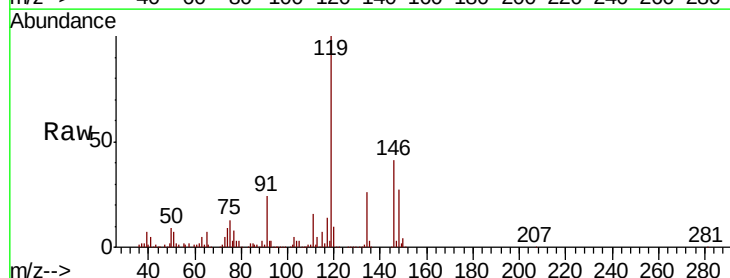
Tgt Ion:119 Resp: 439354

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

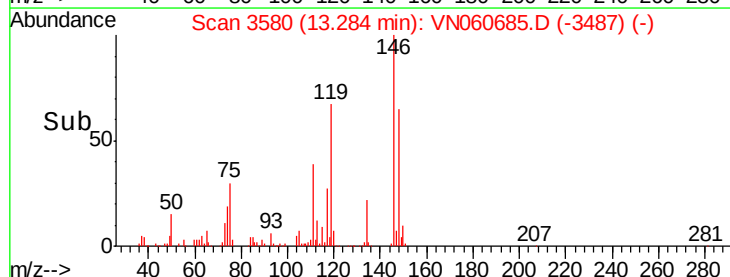
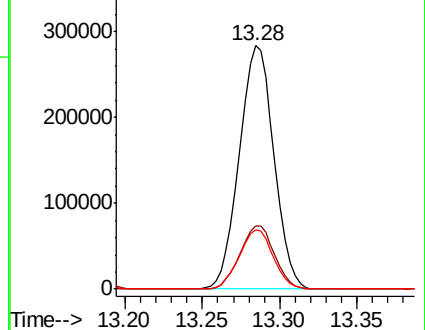
91 24.2 12.0 36.0

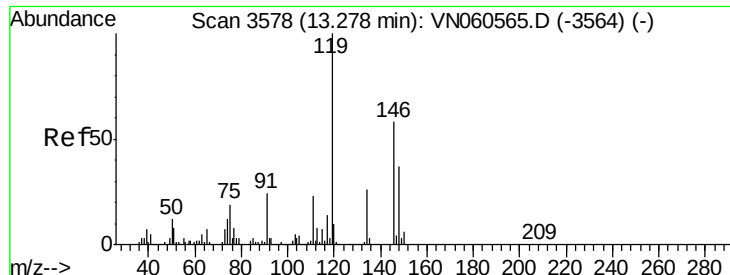


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

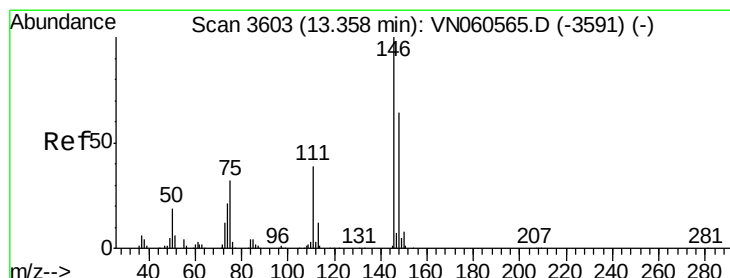
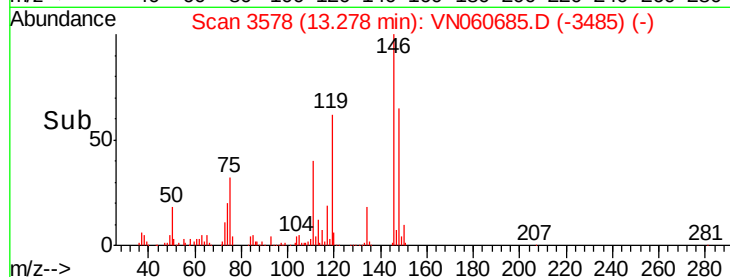
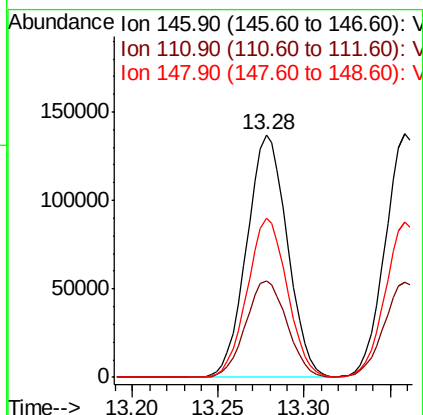
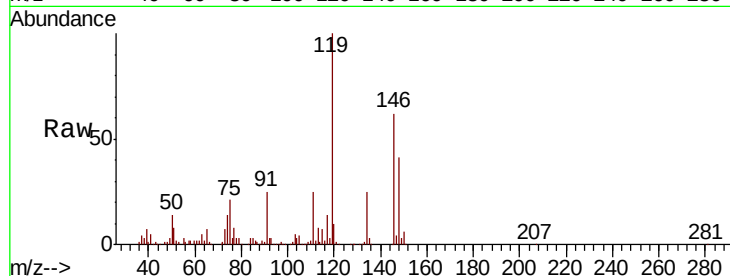




#87
 1,3-Dichlorobenzene
 Concen: 48.215 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

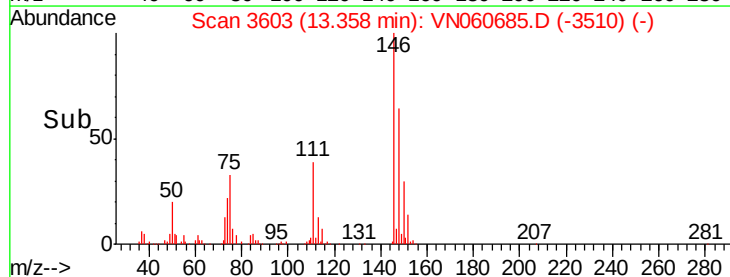
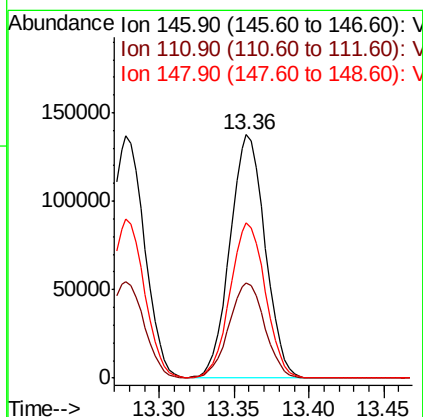
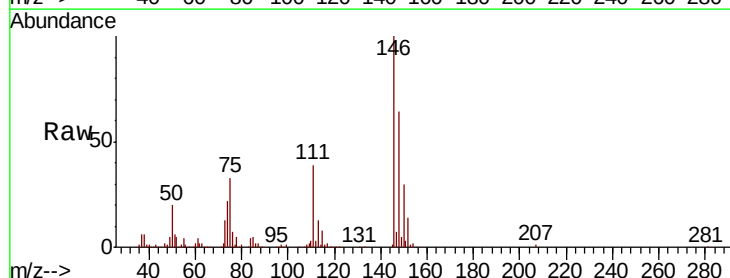
Instrument :
 MSVOA_N
 ClientSampled :

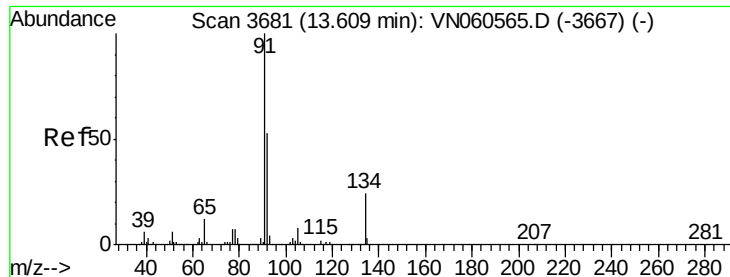
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	64.6	32.5	97.4



#88
 1,4-Dichlorobenzene
 Concen: 48.161 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.6	58.7
148	64.1	32.1	96.3

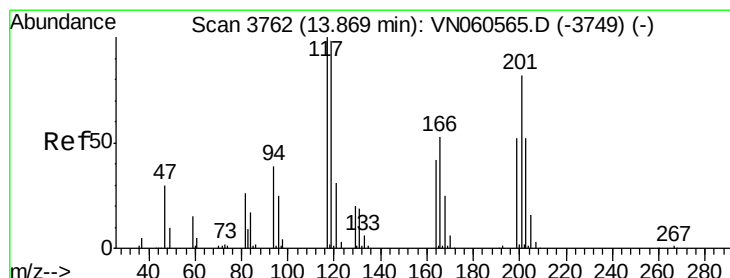
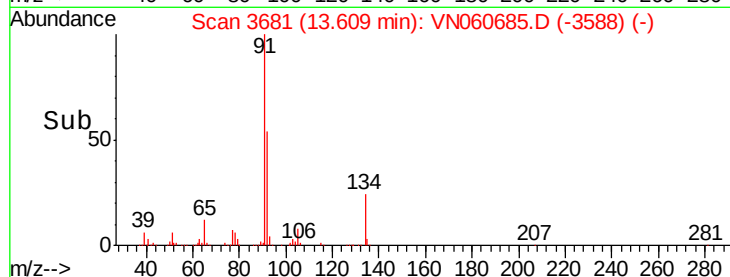
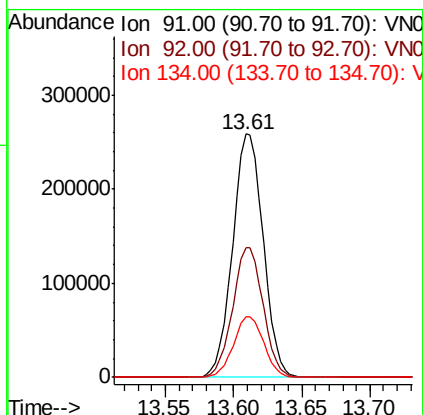
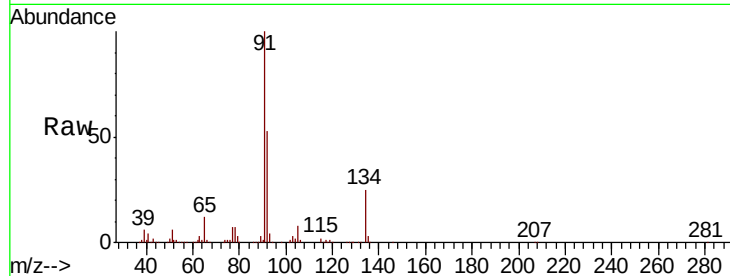




#89
n-Butylbenzene
Concen: 47.933 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

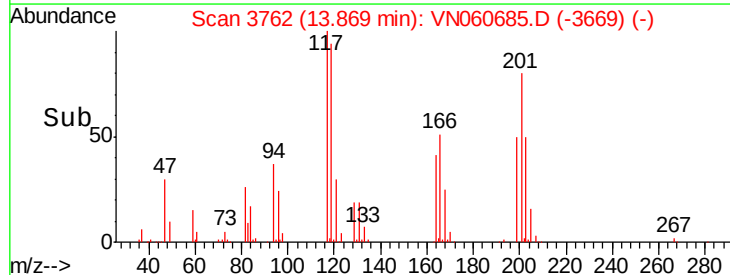
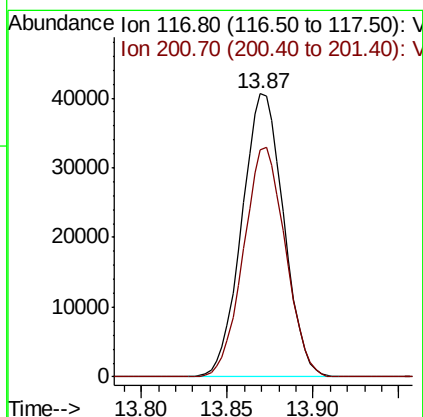
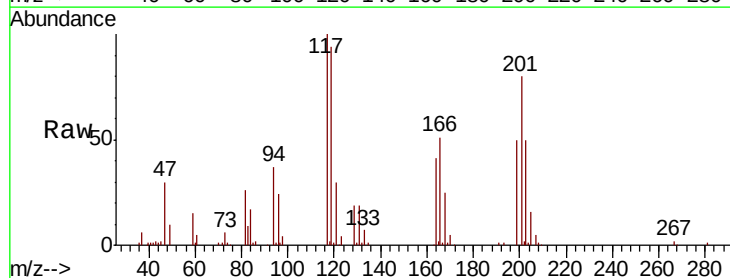
Instrument :
MSVOA_N
ClientSampleId :

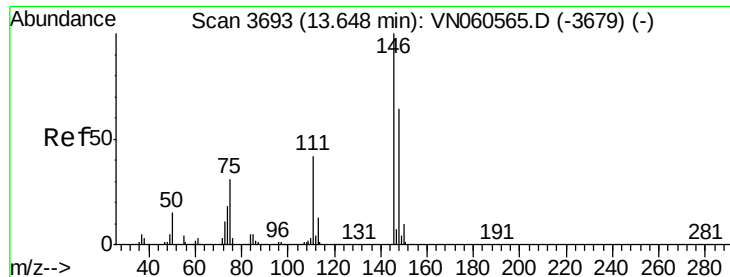
Tot Ion: 91 Resp: 402492
Ion Ratio Lower Upper
91 100
92 52.8 26.2 78.5
134 24.7 12.3 36.9



#90
Hexachloroethane
Concen: 50.734 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion: 117 Resp: 68588
Ion Ratio Lower Upper
117 100
201 81.1 40.8 122.5





#91

1,2-Dichlorobenzene

Concen: 49.300 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

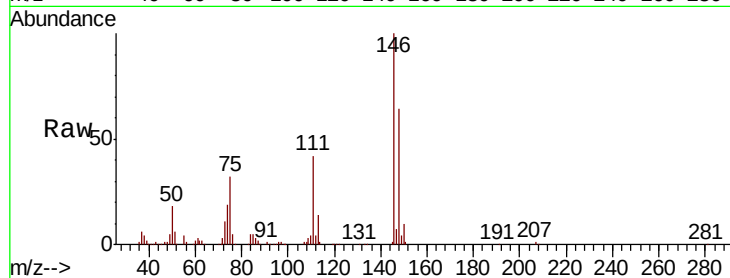
Tot Ion:146 Resp: 219043

Ion Ratio Lower Upper

146 100

111 41.7 21.0 63.0

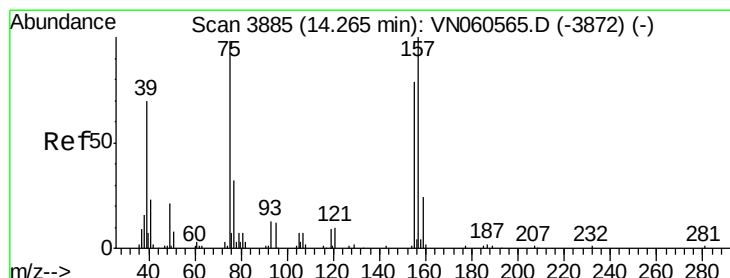
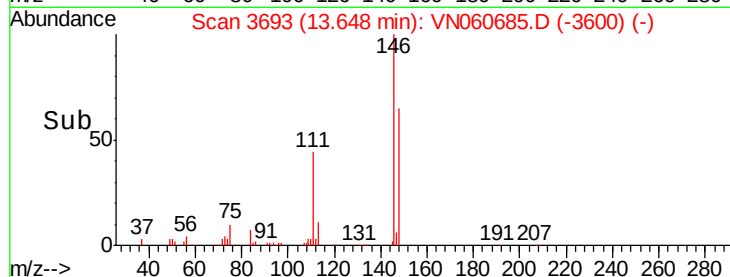
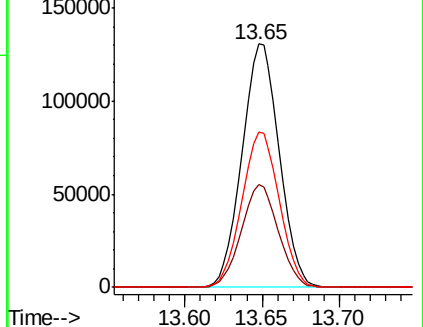
148 64.1 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.934 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060685.D

Acq: 24 Mar 2020 20:09

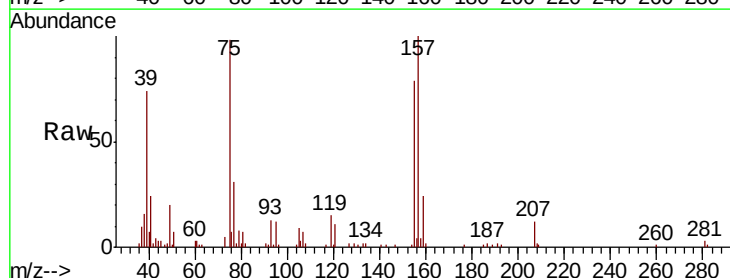
Tgt Ion: 75 Resp: 35270

Ion Ratio Lower Upper

75 100

155 78.2 40.7 122.1

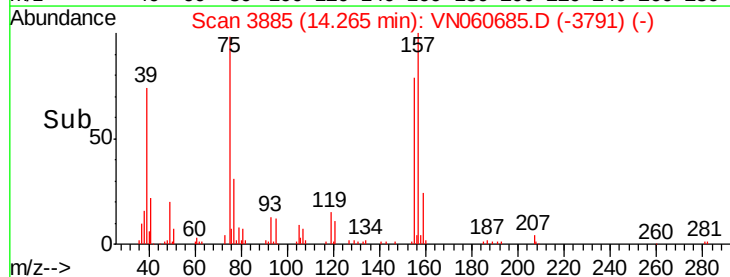
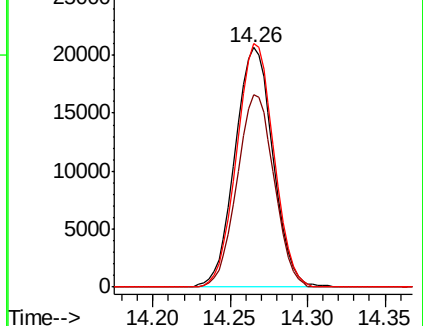
157 99.0 51.5 154.7

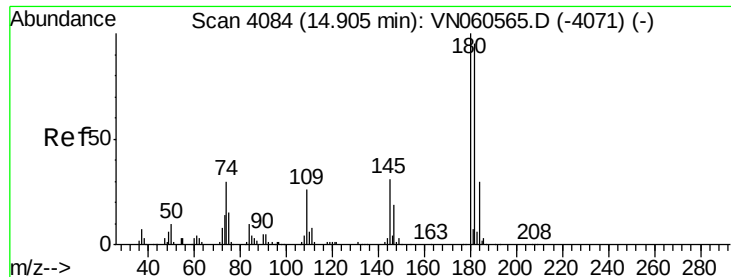


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

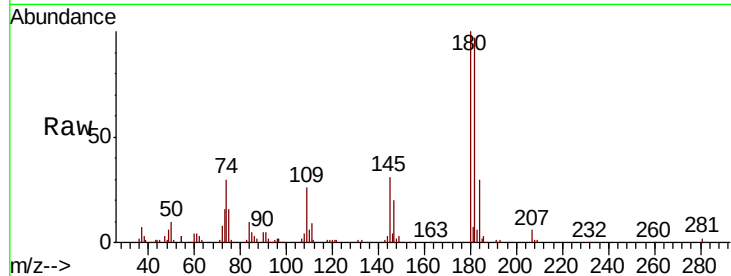




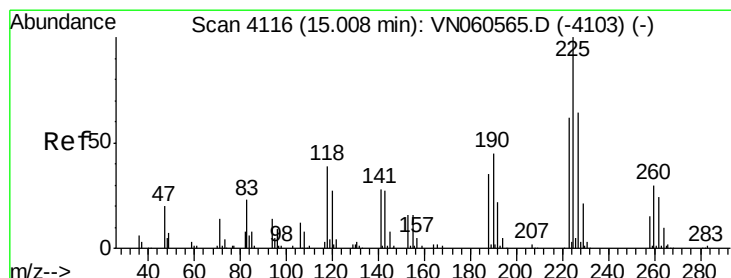
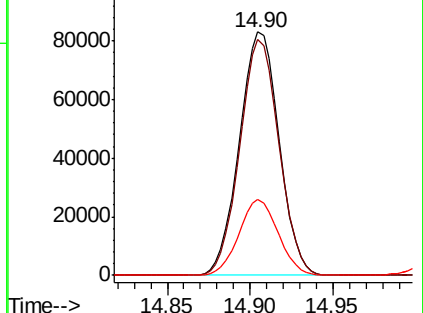
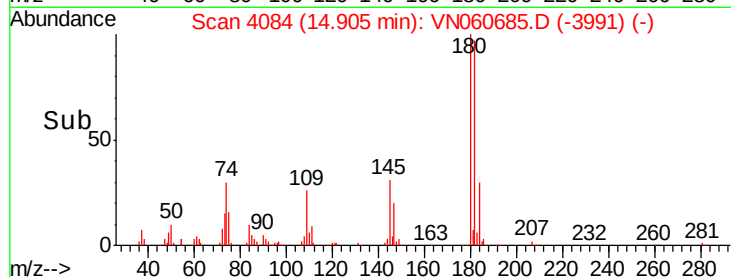
#93
 1,2,4-Trichlorobenzene
 Concen: 50.631 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.8
145	30.7	15.4	46.2

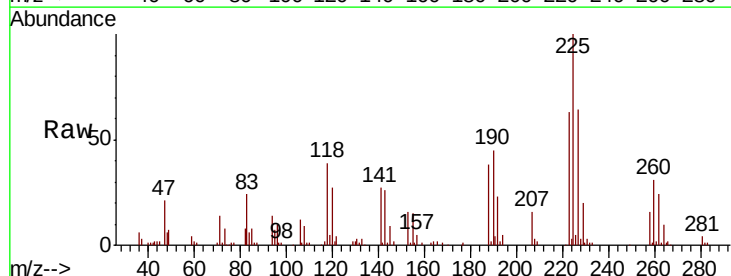


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

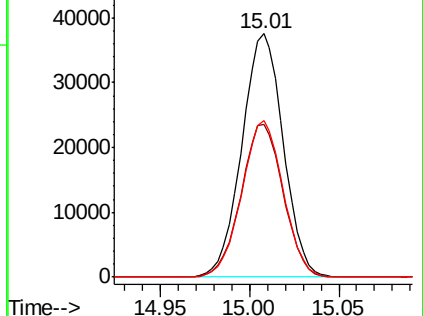
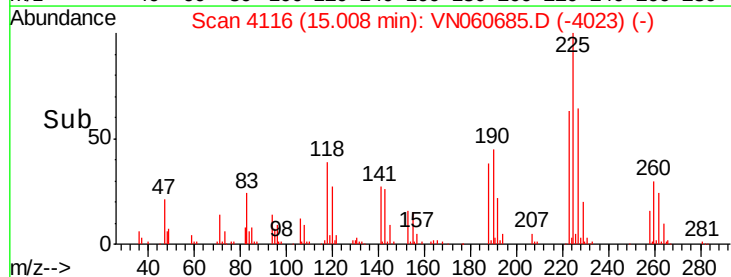


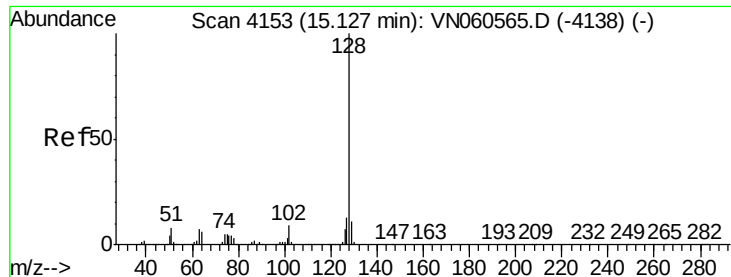
#94
 Hexachlorobutadiene
 Concen: 45.381 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060685.D
 Acq: 24 Mar 2020 20:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.6	95.0
227	64.1	32.3	96.8



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

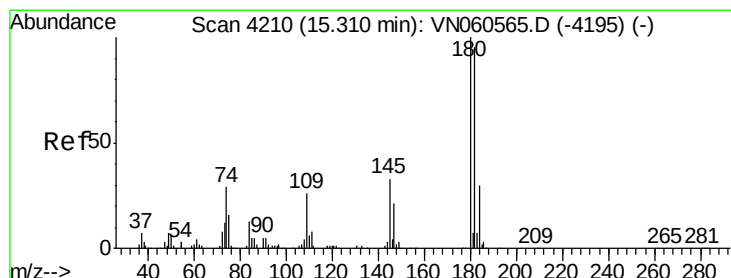
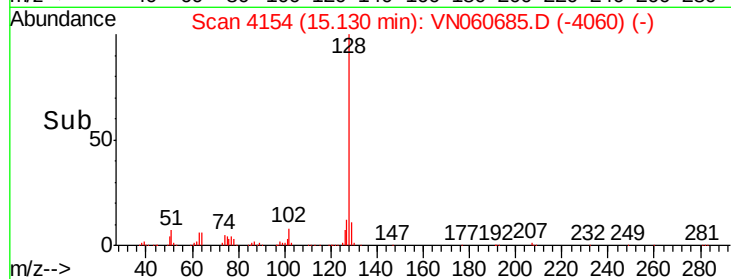
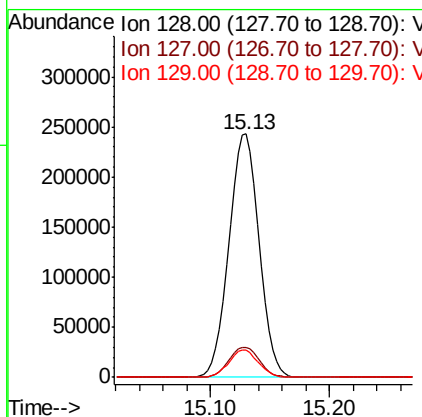
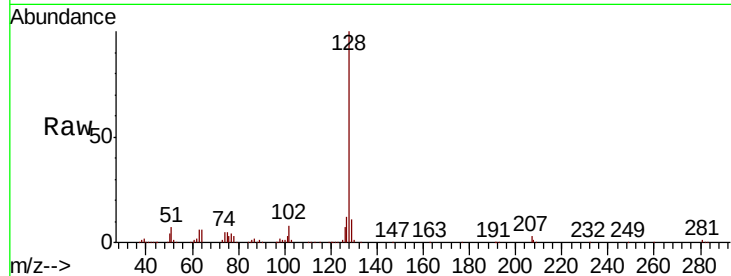




#95
Naphthalene
Concen: 51.939 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 426248
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 49.459 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060685.D
Acq: 24 Mar 2020 20:09

Tgt Ion:180 Resp: 132919
Ion Ratio Lower Upper
180 100
182 94.6 47.5 142.6
145 31.6 16.3 48.8

