

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040820\
 Data File : VN060893.D
 Acq On : 8 Apr 2020 12:05
 Operator : JC/MD
 Sample : VN0408WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 09 08:24:10 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	185934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	302952	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	272842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128072	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	124341	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
35) Dibromofluoromethane	7.56	113	93023	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
50) Toluene-d8	10.08	98	369380	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.40	95	133160	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	31059	17.264	ug/l	98
3) Chloromethane	2.04	50	56146	16.710	ug/l	98
4) Vinyl Chloride	2.17	62	44808	17.050	ug/l	96
5) Bromomethane	2.55	94	23814	20.990	ug/l	96
6) Chloroethane	2.69	64	28898	19.088	ug/l	99
7) Trichlorofluoromethane	3.00	101	61614	19.032	ug/l	97
8) Diethyl Ether	3.38	74	26100	20.068	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37643	20.066	ug/l	99
10) Methyl Iodide	3.93	142	30778	18.438	ug/l	100
11) Tert butyl alcohol	4.72	59	36219	96.485	ug/l	98
12) 1,1-Dichloroethene	3.72	96	37771	18.763	ug/l	98
13) Acrolein	3.58	56	22942	55.144	ug/l	100
14) Allyl chloride	4.29	41	69939	19.753	ug/l	95
15) Acrylonitrile	4.94	53	105880	95.919	ug/l	99
16) Acetone	3.78	43	96876	107.148	ug/l	99
17) Carbon Disulfide	4.03	76	103893	16.969	ug/l	100
18) Methyl Acetate	4.29	43	52112	20.477	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	134043	19.367	ug/l	98
20) Methylene Chloride	4.52	84	43222	19.433	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	40068	18.675	ug/l	98
22) Diisopropyl ether	5.91	45	156288	20.894	ug/l	99
23) Vinyl Acetate	5.85	43	612983	100.437	ug/l	98
24) 1,1-Dichloroethane	5.81	63	83363	20.443	ug/l	99
25) 2-Butanone	6.80	43	143067	97.788	ug/l	99
26) 2,2-Dichloropropane	6.79	77	69631	21.703	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	47652	19.545	ug/l	97
28) Bromochloromethane	7.17	49	38975	19.977	ug/l	99
29) Tetrahydrofuran	7.18	42	95218	91.984	ug/l	98
30) Chloroform	7.35	83	77619	19.855	ug/l	98
31) Cyclohexane	7.63	56	76579	18.628	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	66462	19.721	ug/l	99
36) 1,1-Dichloropropene	7.77	75	59090	20.143	ug/l	100
37) Ethyl Acetate	6.89	43	59857	18.884	ug/l	100
38) Carbon Tetrachloride	7.75	117	51084	19.430	ug/l	94

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 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)
39) Methylcyclohexane	9.06	83	70627	20.260	ug/l	98
40) Benzene	8.02	78	177603	20.056	ug/l	99
41) Methacrylonitrile	7.18	41	85959	63.544	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	61904	20.455	ug/l	98
43) Isopropyl Acetate	8.14	43	102872	19.679	ug/l	99
44) Trichloroethene	8.81	130	44768	20.054	ug/l	98
45) 1,2-Dichloropropane	9.10	63	49551	21.206	ug/l	100
46) Dibromomethane	9.19	93	28908	20.463	ug/l	100
47) Bromodichloromethane	9.38	83	60602	20.644	ug/l	98
48) Methyl methacrylate	9.18	41	44604	19.165	ug/l	99
49) 1,4-Dioxane	9.18	88	12711	459.475	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	293581	98.694	ug/l	99
52) Toluene	10.14	92	107358	20.074	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	69145	20.506	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	76737	20.744	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	42433	20.623	ug/l	100
56) Ethyl methacrylate	10.42	69	62553	19.498	ug/l	96
57) 1,3-Dichloropropane	10.70	76	73099	20.474	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	134924	84.619	ug/l	100
59) 2-Hexanone	10.74	43	205629	95.962	ug/l	99
60) Dibromochloromethane	10.89	129	43231	20.341	ug/l	99
61) 1,2-Dibromoethane	10.99	107	41803	20.205	ug/l	100
64) Tetrachloroethene	10.62	164	42952	20.005	ug/l	97
65) Chlorobenzene	11.43	112	110633	20.454	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	41066	20.970	ug/l	98
67) Ethyl Benzene	11.50	91	206700	20.550	ug/l	100
68) m/p-Xylenes	11.61	106	150538	40.274	ug/l	98
69) o-Xylene	11.94	106	73450	20.585	ug/l	100
70) Styrene	11.96	104	115423	19.779	ug/l	99
71) Bromoform	12.12	173	29338	19.099	ug/l #	98
73) Isopropylbenzene	12.24	105	197134	20.511	ug/l	100
74) N-amyl acetate	12.06	43	83401	18.779	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	58513	20.132	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	77049	27.881	ug/l #	100
77) Bromobenzene	12.52	156	45507	19.649	ug/l	98
78) n-propylbenzene	12.59	91	232839	20.505	ug/l	99
79) 2-Chlorotoluene	12.67	91	136199	20.074	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	165569	20.299	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	20065	18.647	ug/l	99
82) 4-Chlorotoluene	12.77	91	137148	19.847	ug/l	99
83) tert-Butylbenzene	12.99	119	138340	20.460	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	164623	20.401	ug/l	99
85) sec-Butylbenzene	13.17	105	190153	20.914	ug/l	99
86) p-Isopropyltoluene	13.28	119	168770	20.642	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	82870	20.288	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	81278	19.805	ug/l	98
89) n-Butylbenzene	13.61	91	153823	20.839	ug/l	100
90) Hexachloroethane	13.87	117	26266	22.101	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	79541	20.365	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10498	17.068	ug/l	97

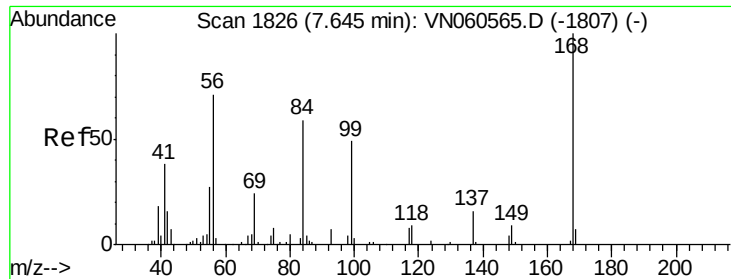
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	46536	19.402	ug/l	99
94) Hexachlorobutadiene	15.01	225	25894	22.022	ug/l	100
95) Naphthalene	15.13	128	128232	17.775	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45824	19.396	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: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

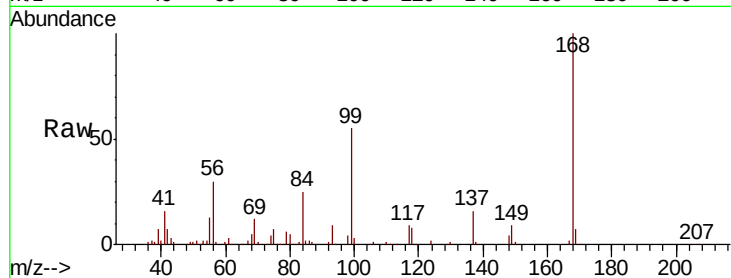
ClientSampleId :

Tot Ion:168 Resp: 185934

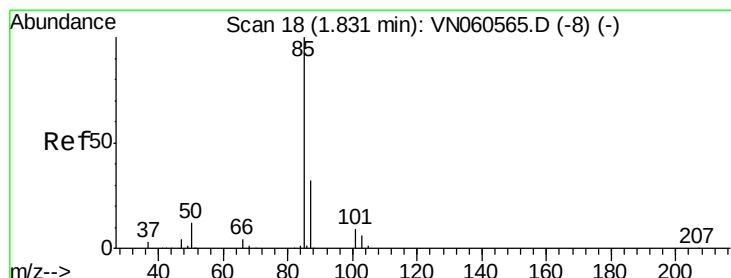
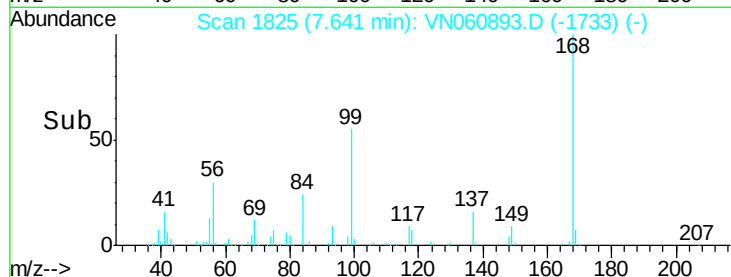
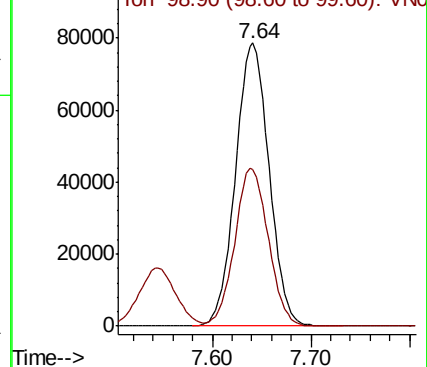
Ion Ratio Lower Upper

168 100

99 55.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060893.D (-1733) (-)



#2

Dichlorodifluoromethane

Concen: 17.264 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060893.D

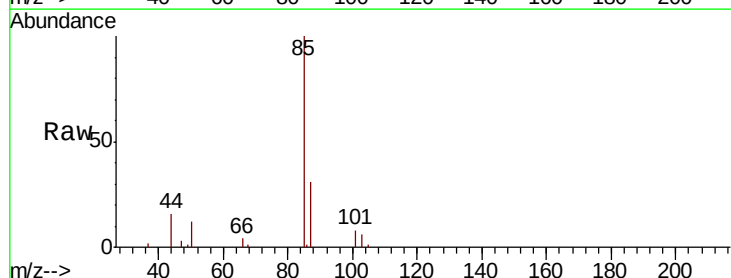
Acq: 8 Apr 2020 12:05

Tgt Ion: 85 Resp: 31059

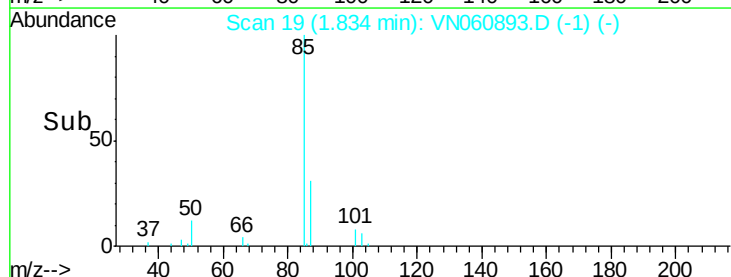
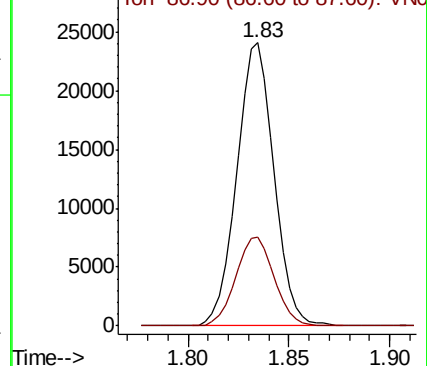
Ion Ratio Lower Upper

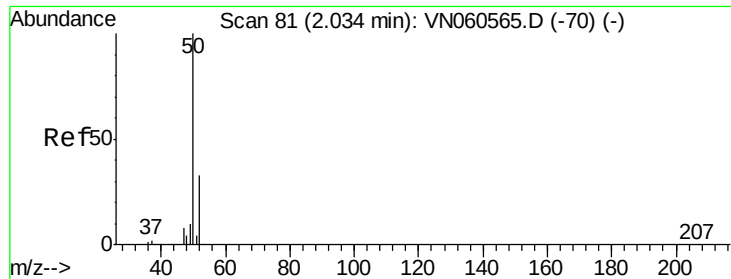
85 100

87 31.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN060893.D (-1) (-)





#3

Chloromethane

Concen: 16.710 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

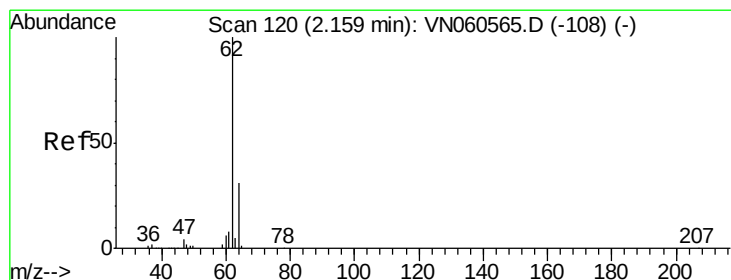
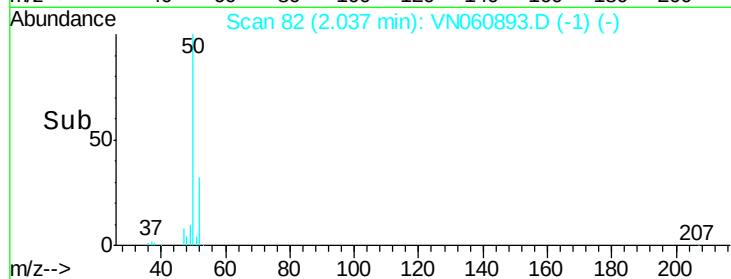
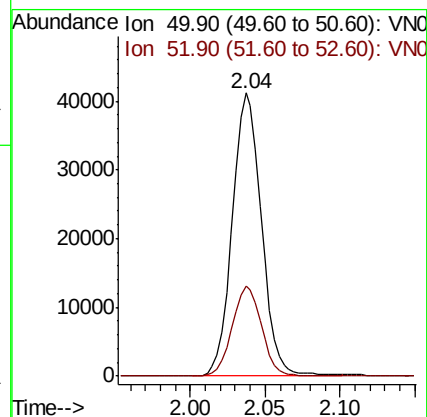
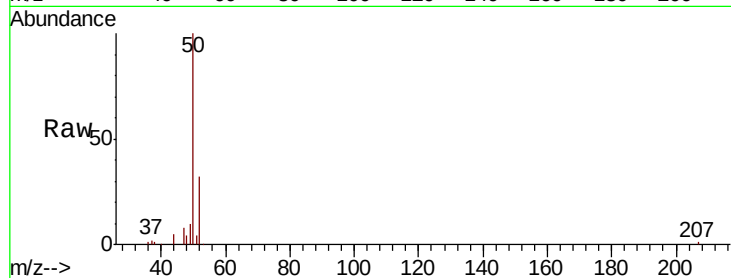
ClientSampleId :

Tot Ion: 50 Resp: 56146

Ion Ratio Lower Upper

50 100

52 31.8 26.2 39.2



#4

Vinyl Chloride

Concen: 17.050 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060893.D

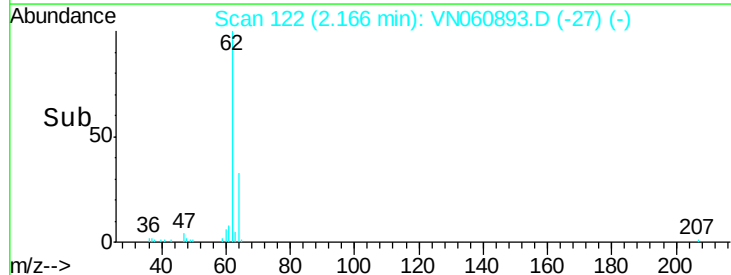
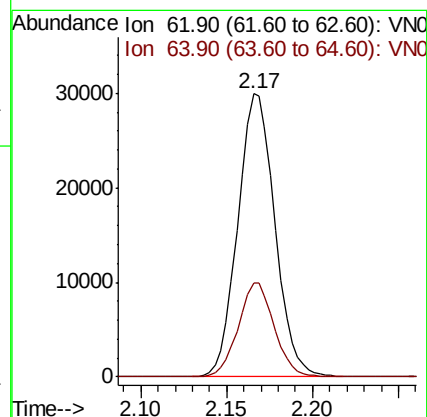
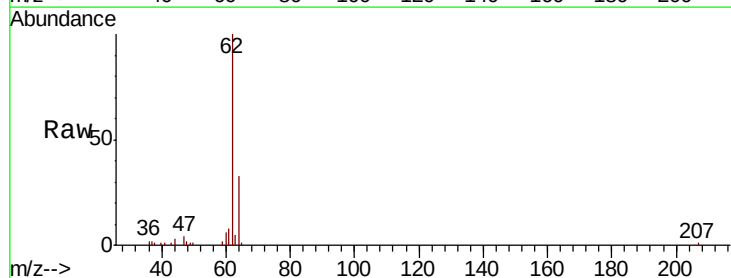
Acq: 8 Apr 2020 12:05

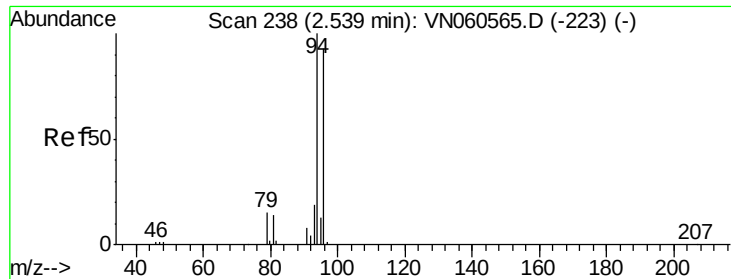
Tgt Ion: 62 Resp: 44808

Ion Ratio Lower Upper

62 100

64 33.2 24.7 37.1

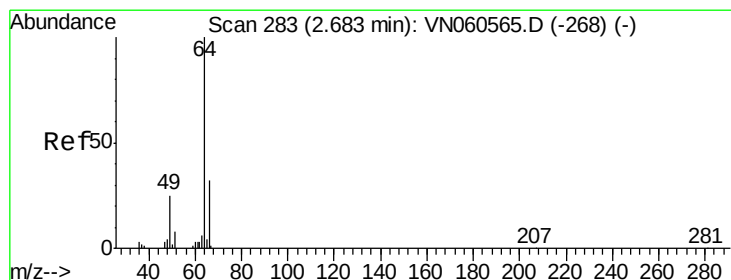
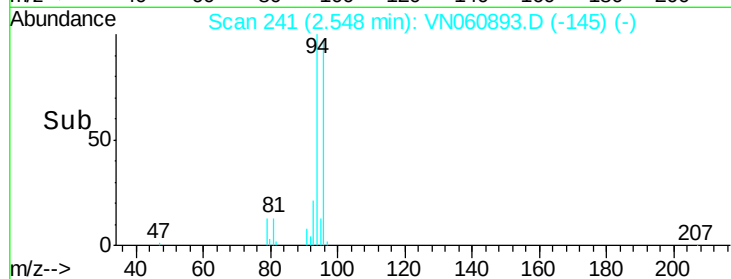
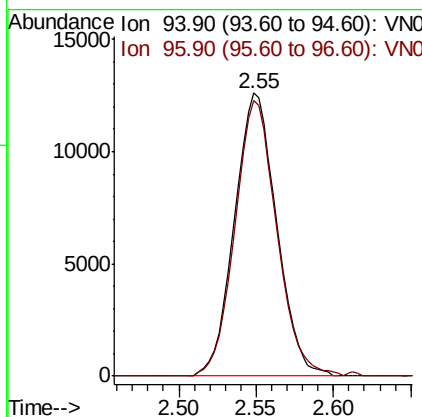
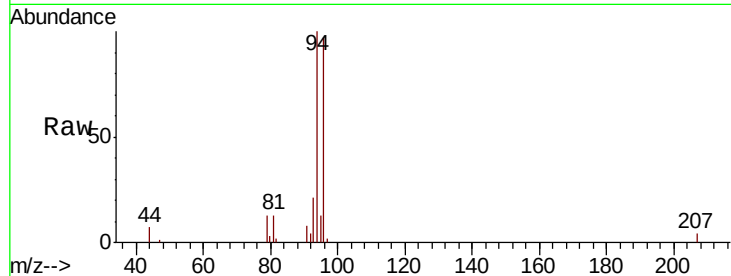




#5
Bromomethane
Concen: 20.990 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

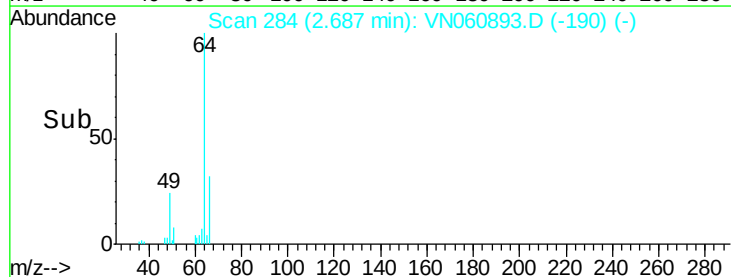
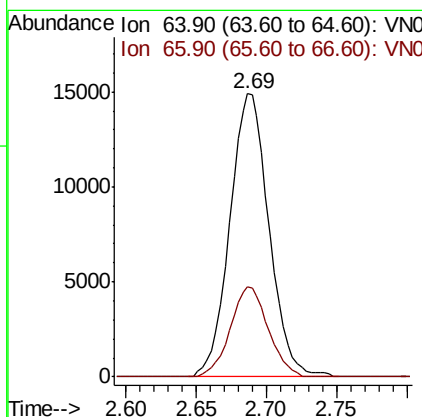
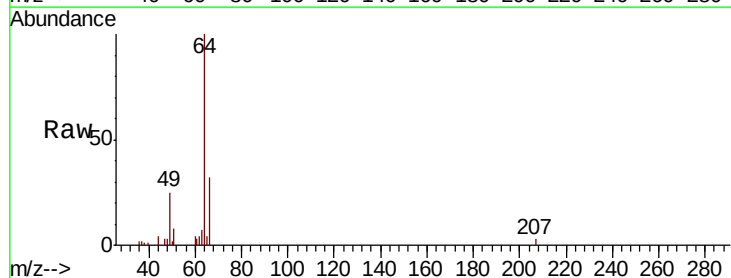
Instrument :
MSVOA_N
ClientSampled :

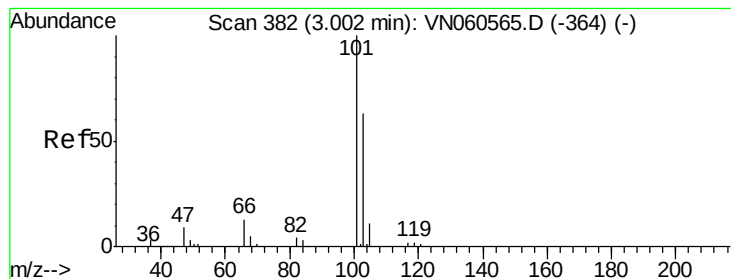
Tot Ion: 94 Resp: 23814
Ion Ratio Lower Upper
94 100
96 97.4 74.6 112.0



#6
Chloroethane
Concen: 19.088 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion: 64 Resp: 28898
Ion Ratio Lower Upper
64 100
66 32.0 25.3 37.9



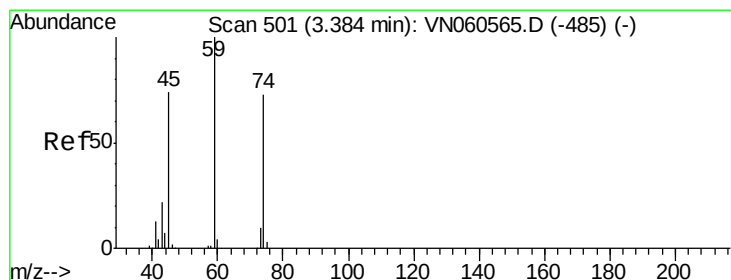
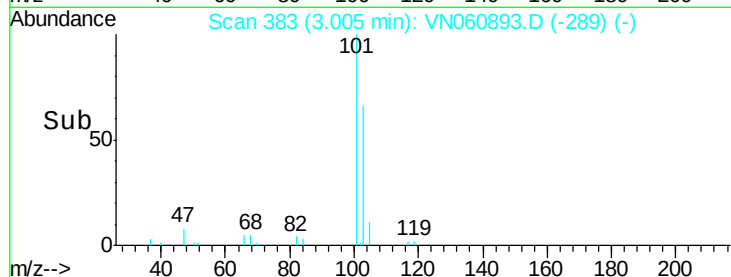
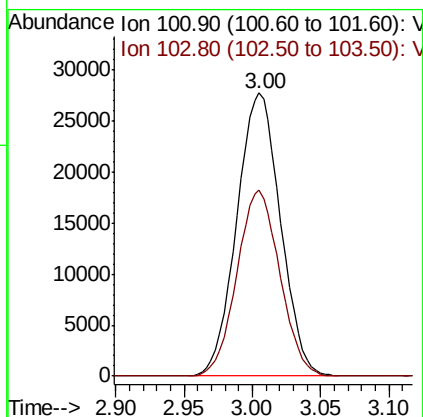
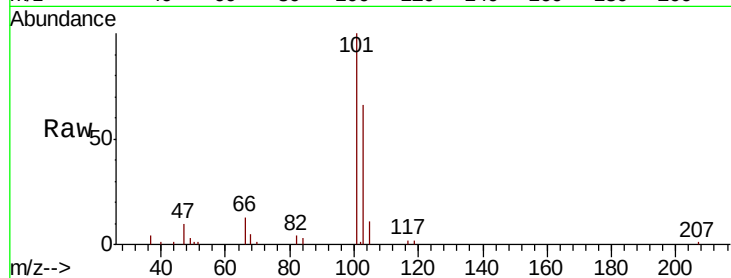


#7

Trichlorofluoromethane
 Concen: 19.032 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Instrument :
 MSVOA_N
 ClientSampled :

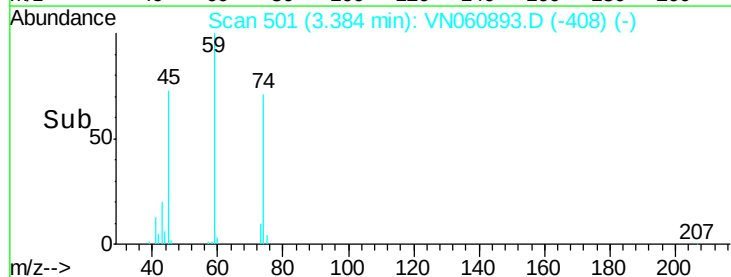
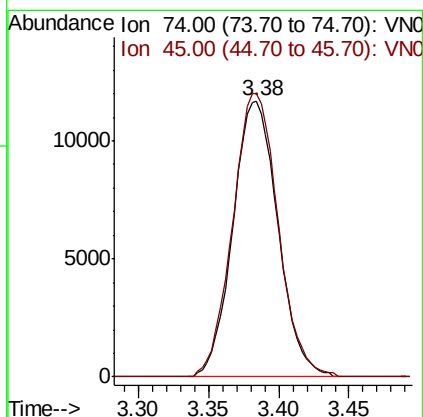
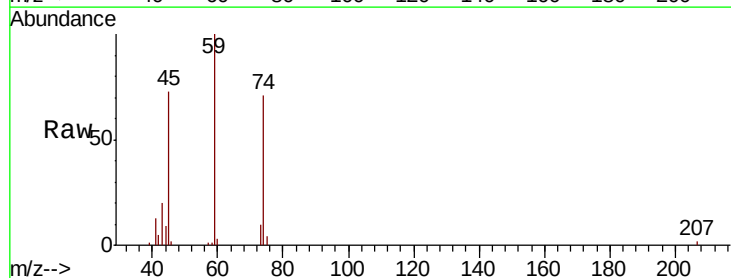
Tot Ion:101 Resp: 61614
 Ion Ratio Lower Upper
 101 100
 103 65.6 50.6 76.0

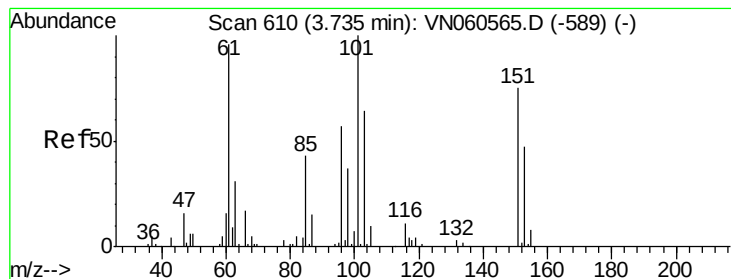


#8

Diethyl Ether
 Concen: 20.068 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Tgt Ion: 74 Resp: 26100
 Ion Ratio Lower Upper
 74 100
 45 104.0 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.066 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

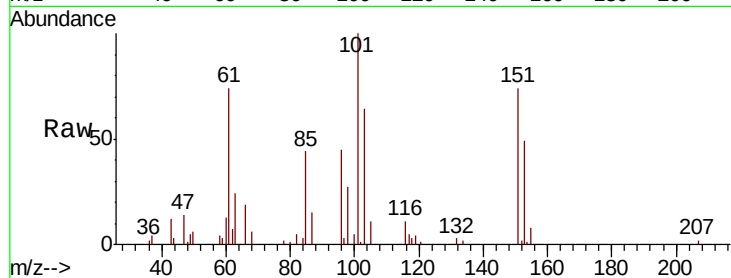
Tot Ion:101 Resp: 37643

Ion Ratio Lower Upper

101 100

85 44.8 35.6 53.4

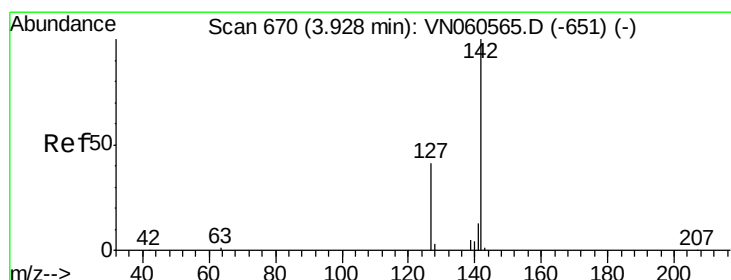
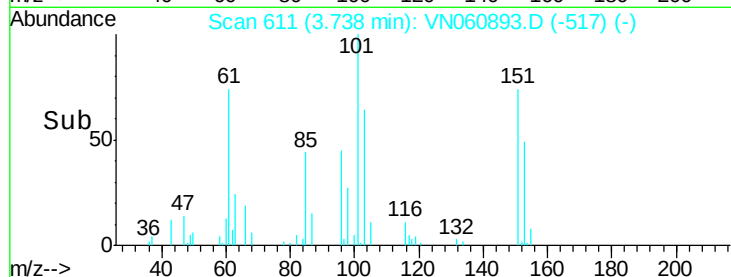
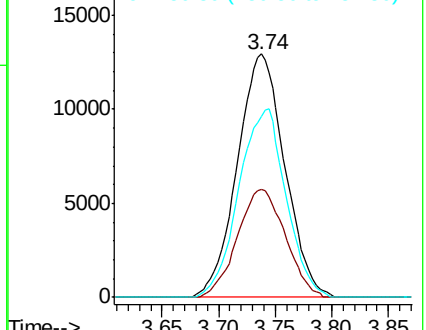
151 77.2 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.438 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

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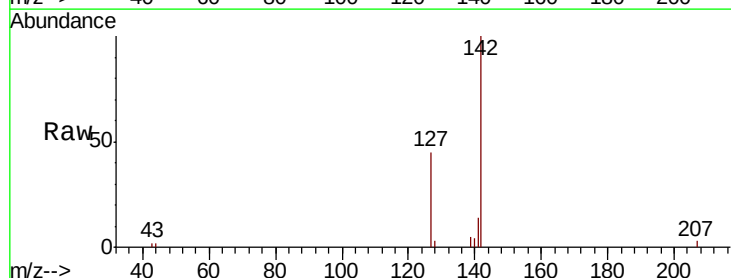
Tgt Ion:142 Resp: 30778

Ion Ratio Lower Upper

142 100

127 41.9 33.5 50.3

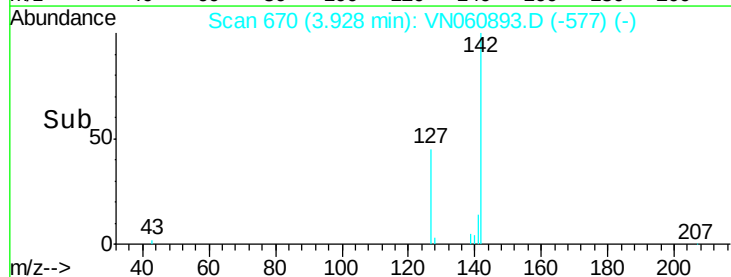
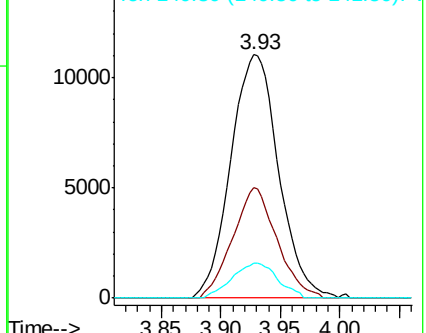
141 13.6 11.0 16.6

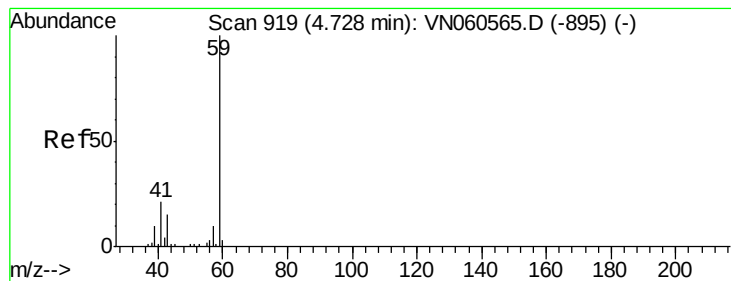


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



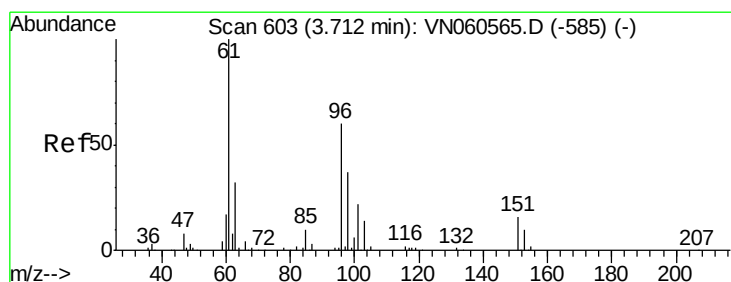
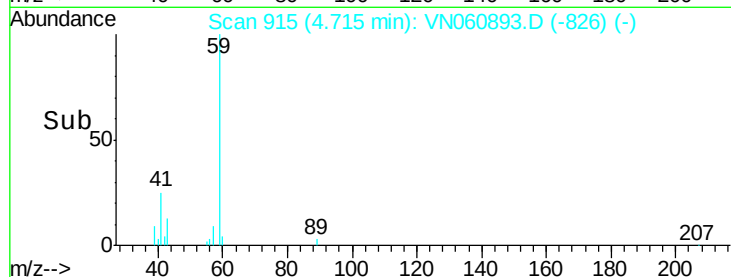
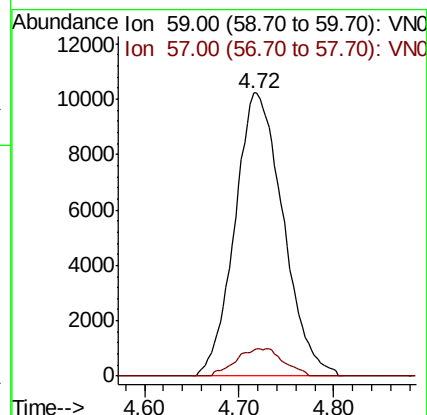
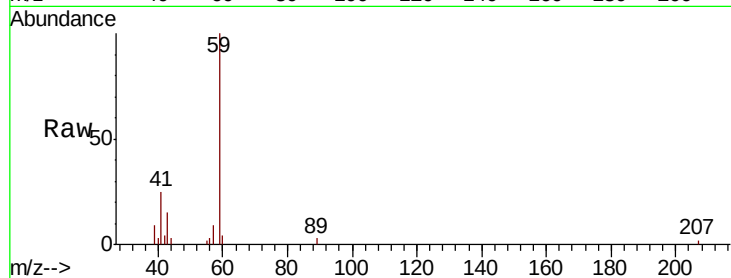


#11

Tert butyl alcohol
Concen: 96.485 ug/l
RT: 4.72 min Scan# 915
Delta R.T. -0.01 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampled :

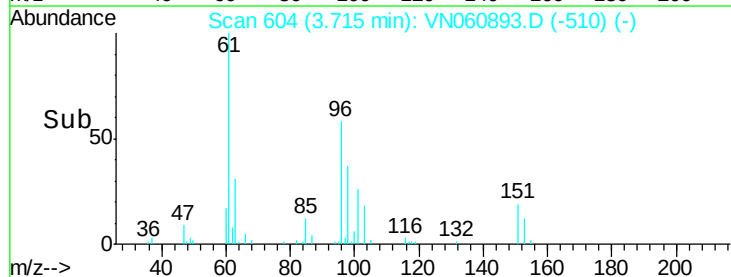
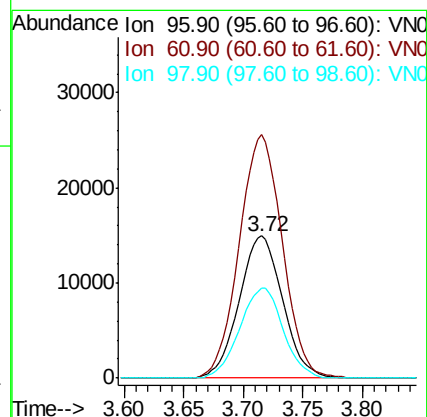
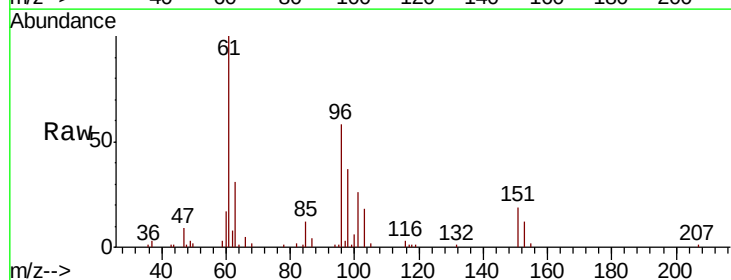
Tot Ion: 59 Resp: 36219
Ion Ratio Lower Upper
59 100
57 9.5 8.2 12.4

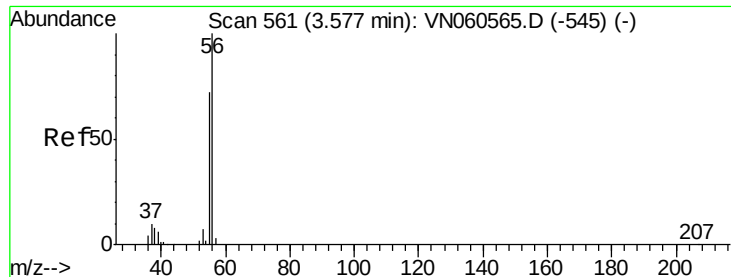


#12

1,1-Dichloroethene
Concen: 18.763 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion: 96 Resp: 37771
Ion Ratio Lower Upper
96 100
61 171.2 134.1 201.1
98 63.4 49.9 74.9





#13

Acrolein

Concen: 55.144 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

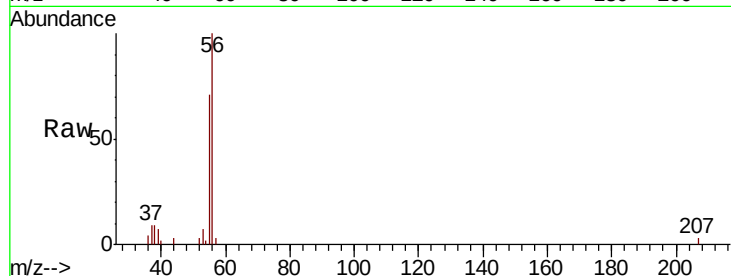
ClientSampleId :

Tot Ion: 56 Resp: 22942

Ion Ratio Lower Upper

56 100

55 71.3 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

10000

8000

6000

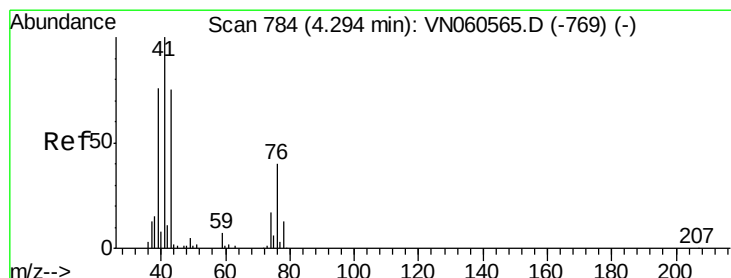
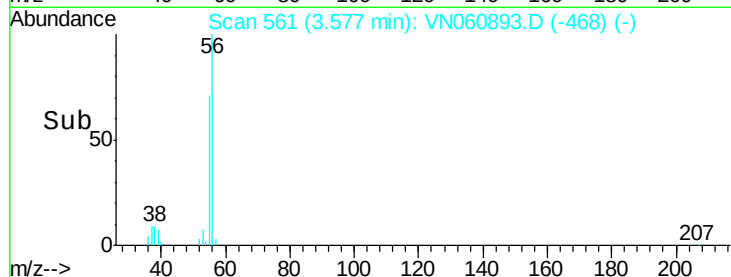
4000

2000

0

Time-->

3.50 3.55 3.60 3.65



#14

Allyl chloride

Concen: 19.753 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

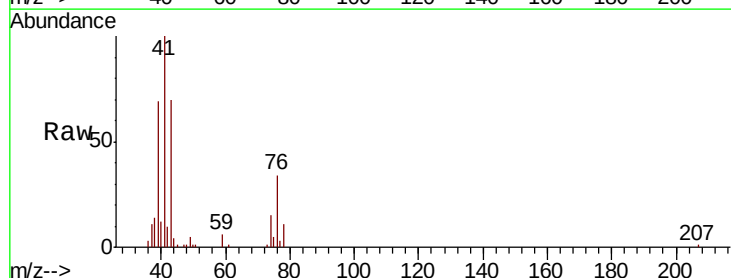
Tgt Ion: 41 Resp: 69939

Ion Ratio Lower Upper

41 100

39 67.1 57.8 86.8

76 33.6 28.6 43.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.29

30000

25000

20000

15000

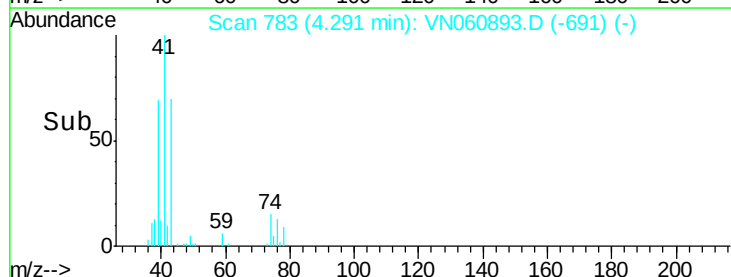
10000

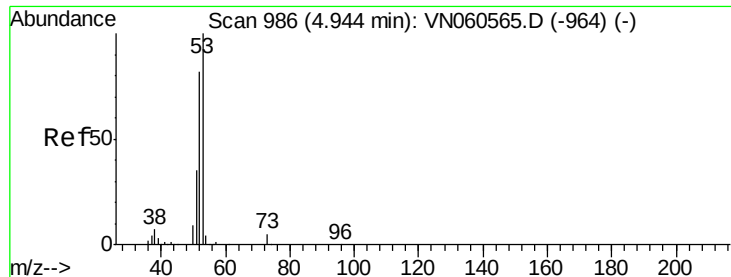
5000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 95.919 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

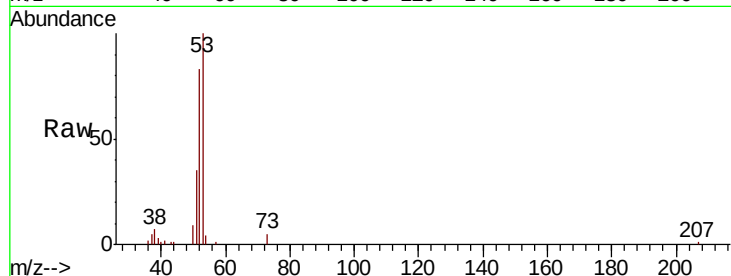
Tot Ion: 53 Resp: 105880

Ion Ratio Lower Upper

53 100

52 81.9 66.2 99.4

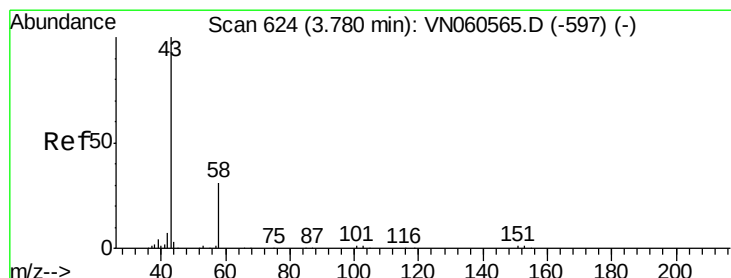
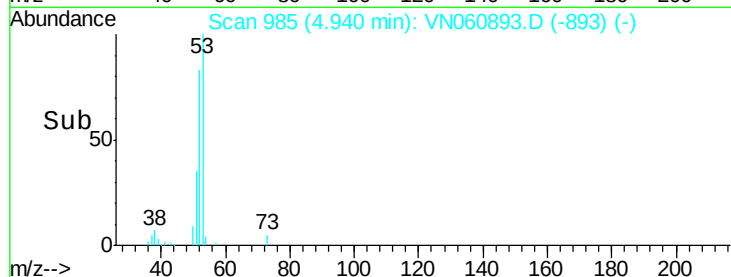
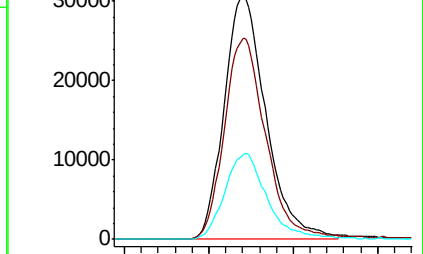
51 35.7 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VN060893.D (-893) (-)

Ion 52.00 (51.70 to 52.70): VN060893.D (-893) (-)

Ion 51.00 (50.70 to 51.70): VN060893.D (-893) (-)



#16

Acetone

Concen: 107.148 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060893.D

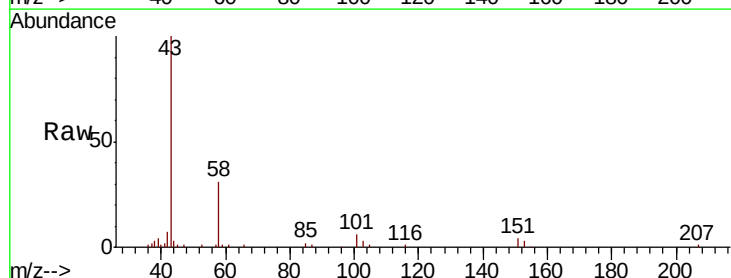
Acq: 8 Apr 2020 12:05

Tgt Ion: 43 Resp: 96876

Ion Ratio Lower Upper

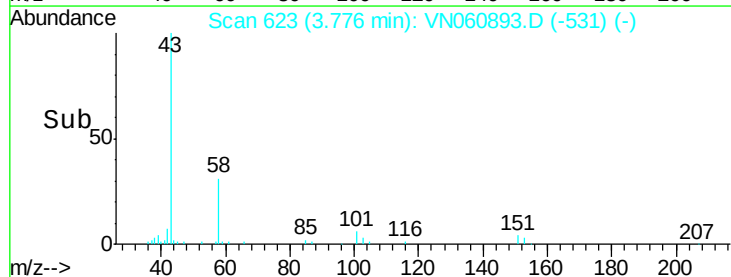
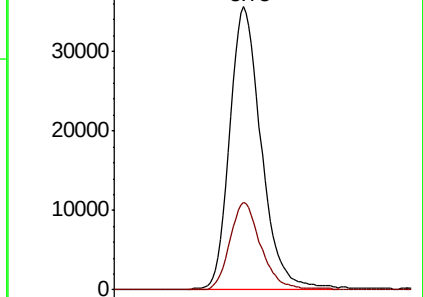
43 100

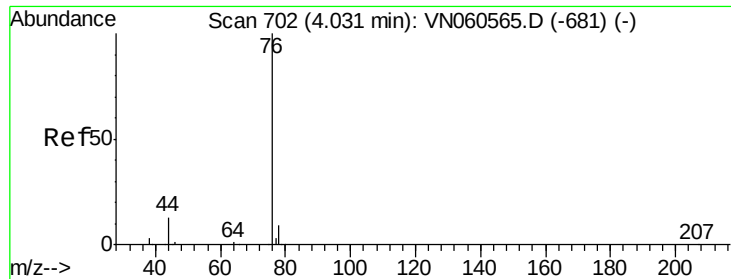
58 30.7 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060893.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060893.D (-531) (-)





#17

Carbon Disulfide

Concen: 16.969 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

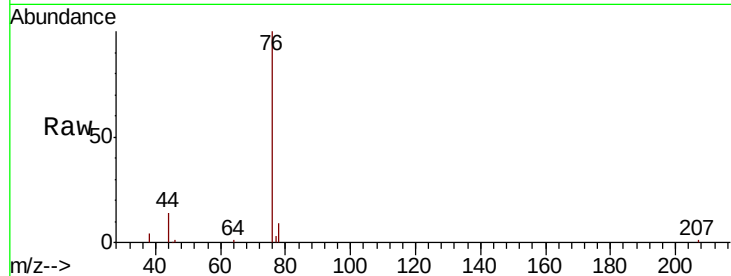
ClientSampled :

Tot Ion: 76 Resp: 103893

Ion Ratio Lower Upper

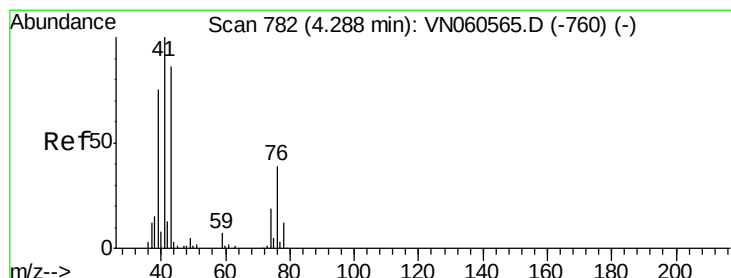
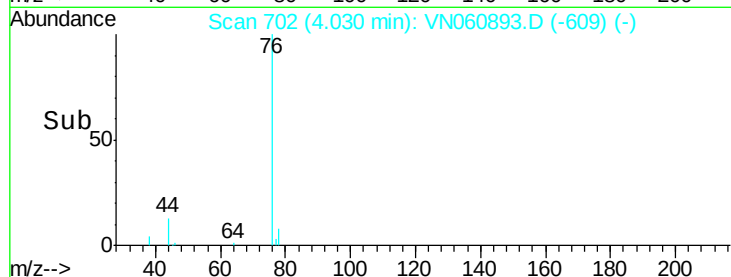
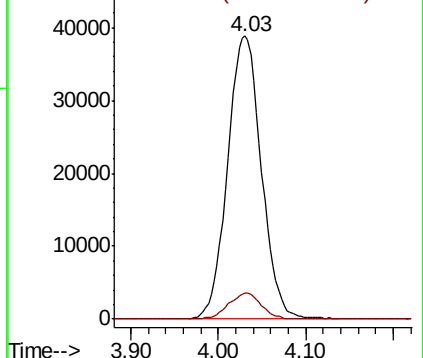
76 100

78 9.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.477 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN060893.D

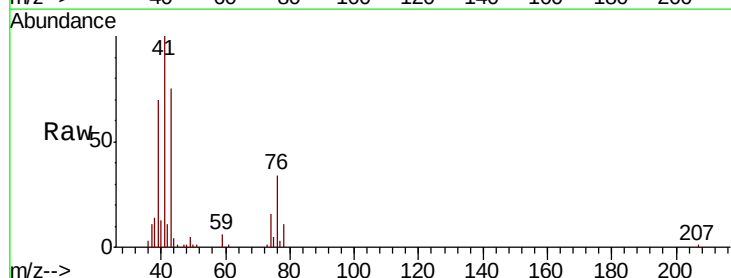
Acq: 8 Apr 2020 12:05

Tgt Ion: 43 Resp: 52112

Ion Ratio Lower Upper

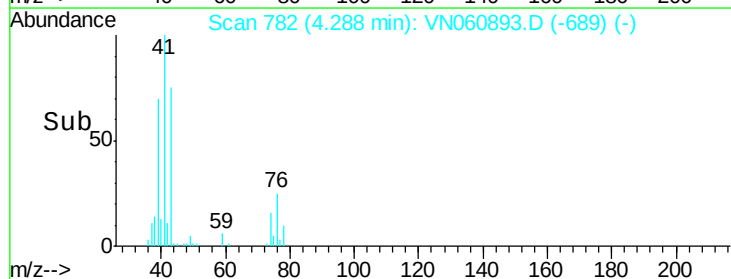
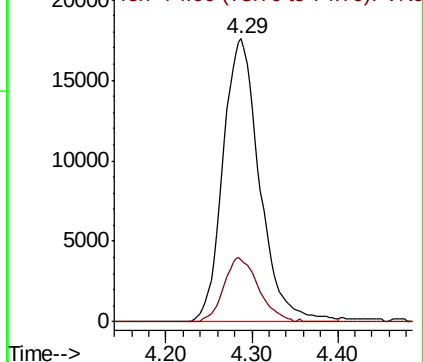
43 100

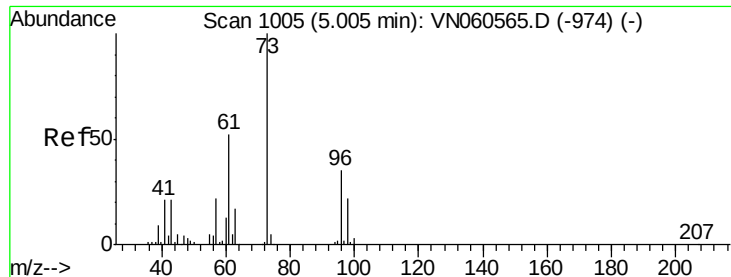
74 21.5 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

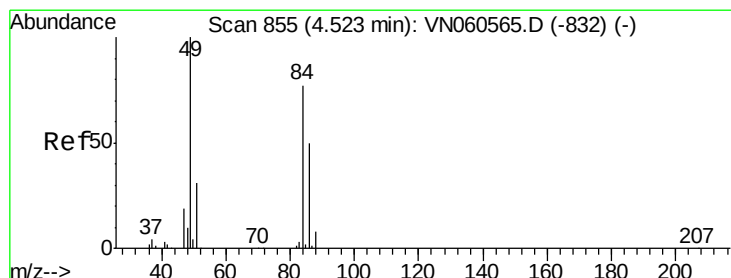
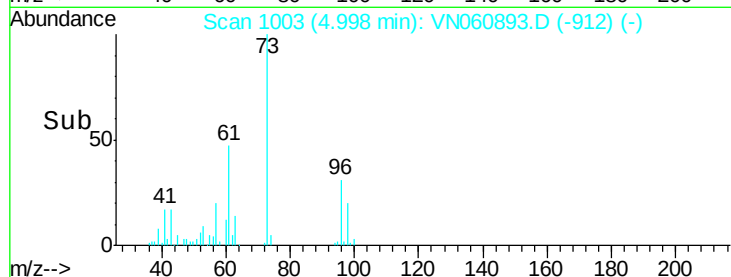
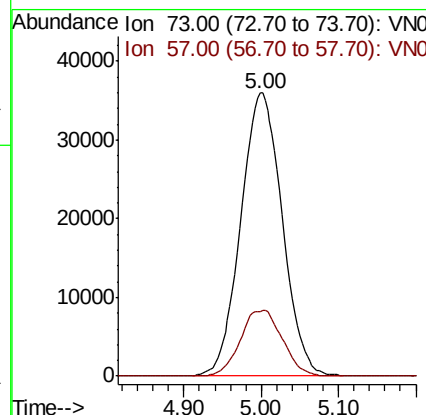
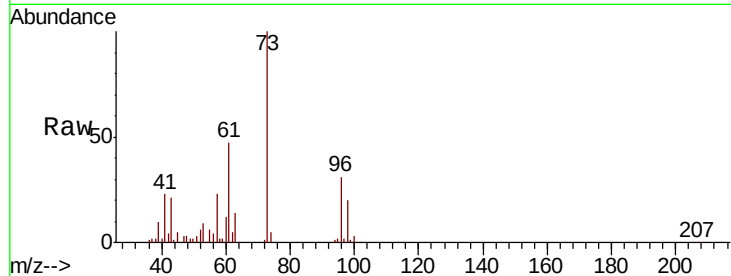




#19
Methyl tert-butyl Ether
Concen: 19.367 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

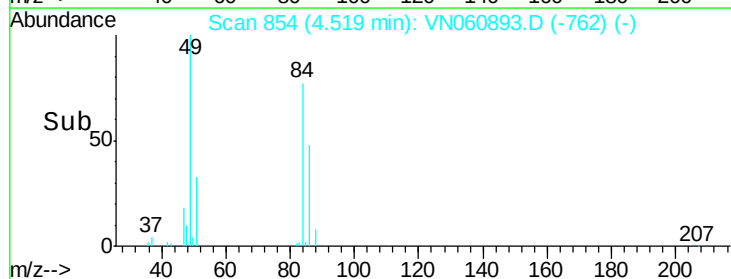
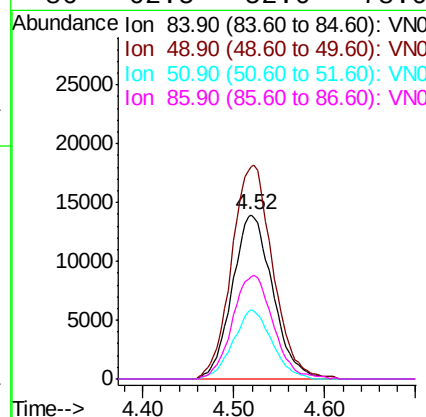
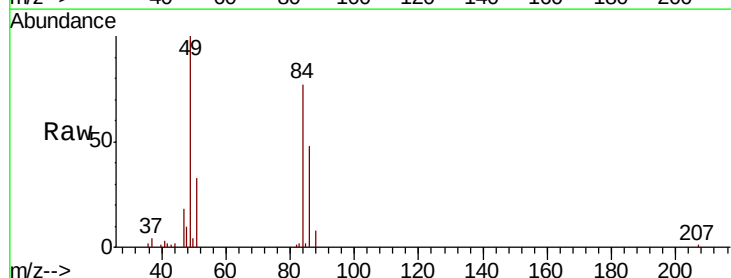
Instrument :
MSVOA_N
ClientSampled :

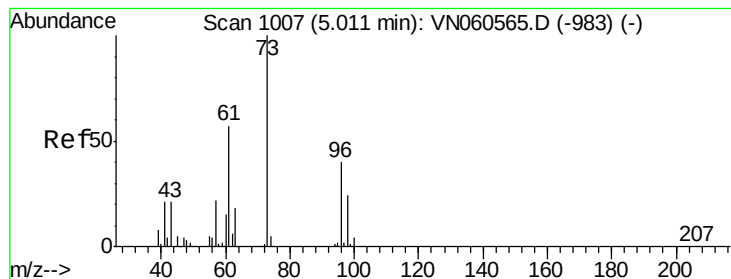
Tot Ion: 73 Resp: 134043
Ion Ratio Lower Upper
73 100
57 22.7 17.5 26.3



#20
Methylene Chloride
Concen: 19.433 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion: 84 Resp: 43222
Ion Ratio Lower Upper
84 100
49 129.5 103.3 154.9
51 42.3 31.6 47.4
86 62.5 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.675 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

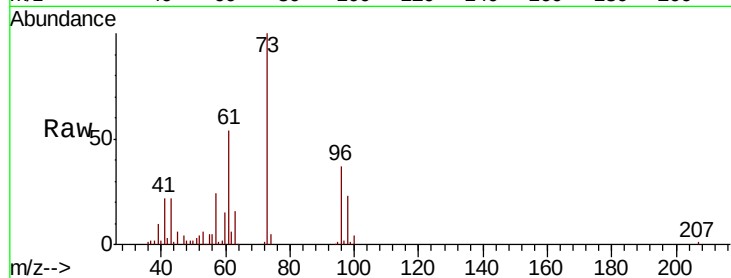
Tot Ion: 96 Resp: 40068

Ion Ratio Lower Upper

96 100

61 144.7 114.4 171.6

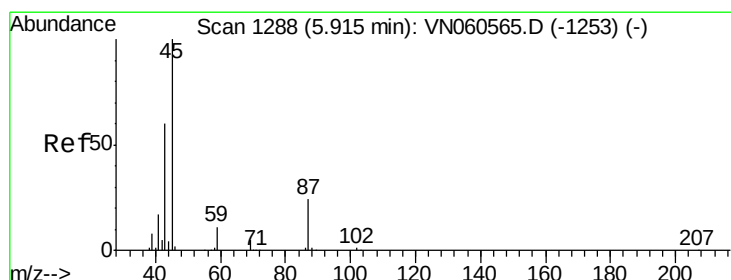
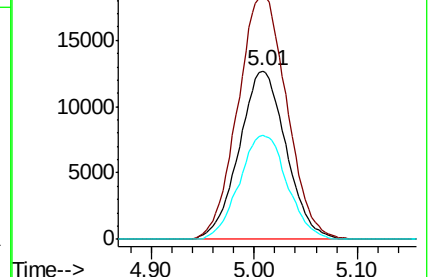
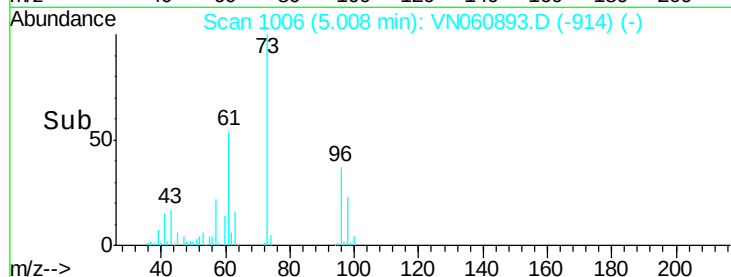
98 62.0 48.4 72.6



Abundance Ion 95.90 (95.60 to 96.60): VN060893.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN060893.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN060893.D (-914) (-)



#22

Diisopropyl ether

Concen: 20.894 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Tgt Ion: 45 Resp: 156288

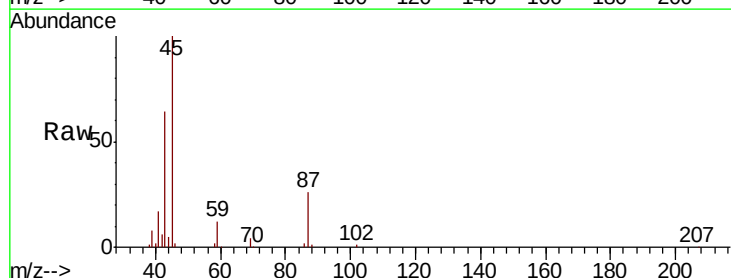
Ion Ratio Lower Upper

45 100

43 62.0 49.8 74.8

87 25.6 20.1 30.1

59 12.1 9.2 13.8

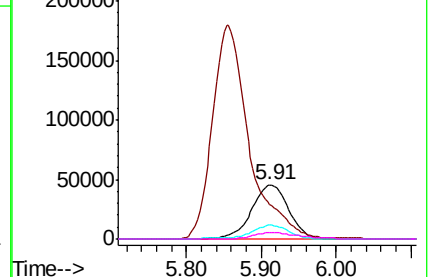
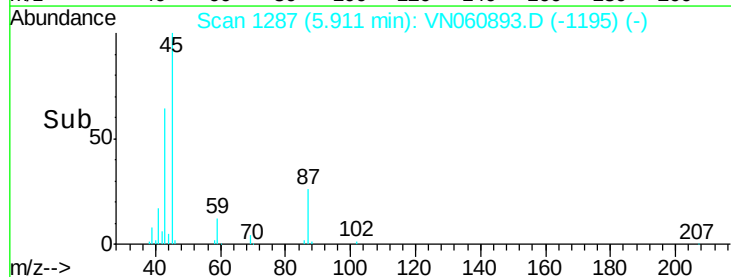


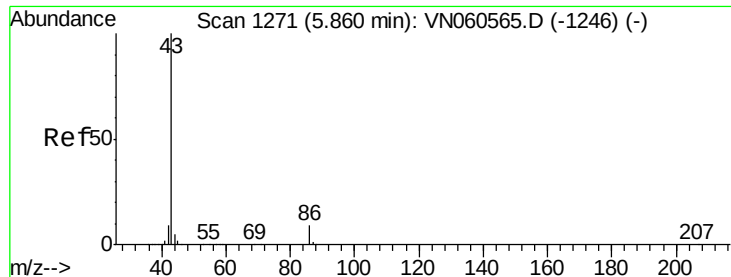
Abundance Ion 45.00 (44.70 to 45.70): VN060893.D (-1195) (-)

Ion 43.00 (42.70 to 43.70): VN060893.D (-1195) (-)

Ion 87.00 (86.70 to 87.70): VN060893.D (-1195) (-)

Ion 59.00 (58.70 to 59.70): VN060893.D (-1195) (-)

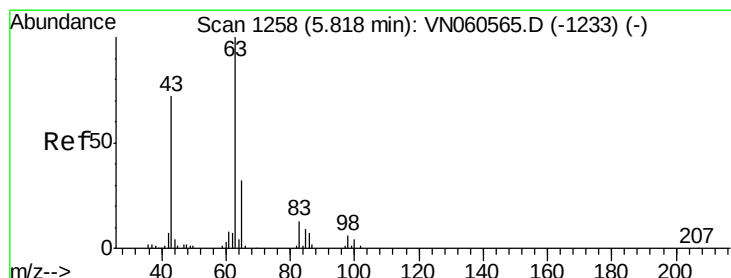
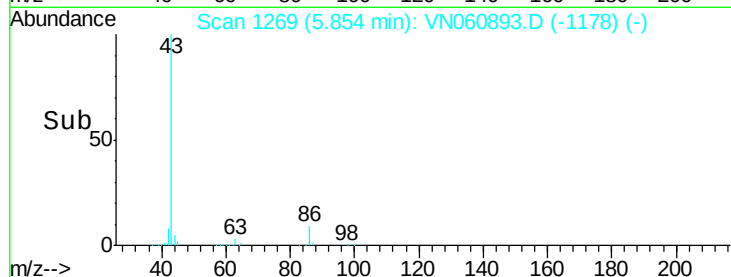
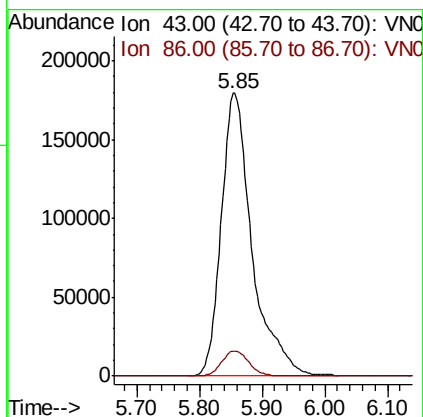
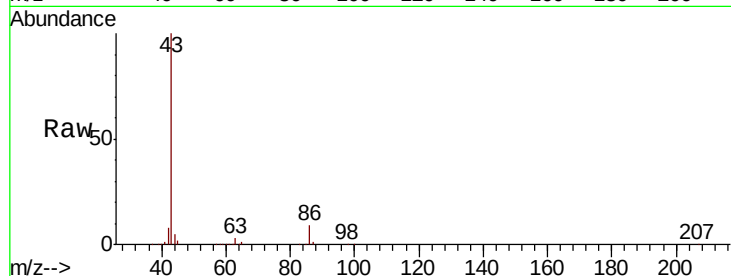




#23
 Vinyl Acetate
 Concen: 100.437 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

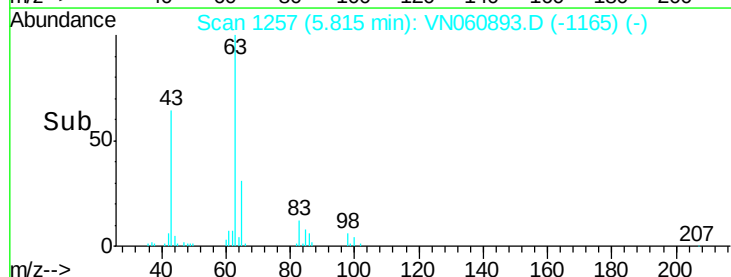
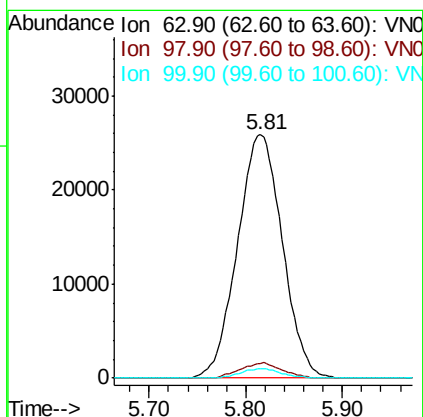
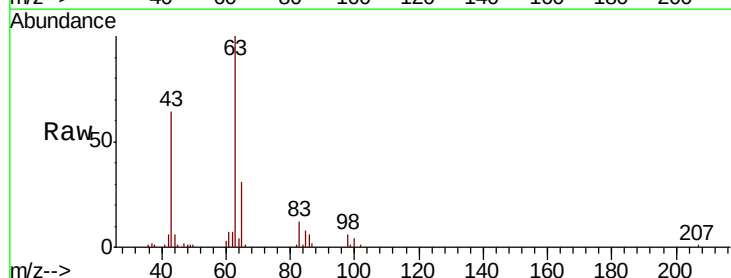
Instrument :
 MSVOA_N
 ClientSampled :

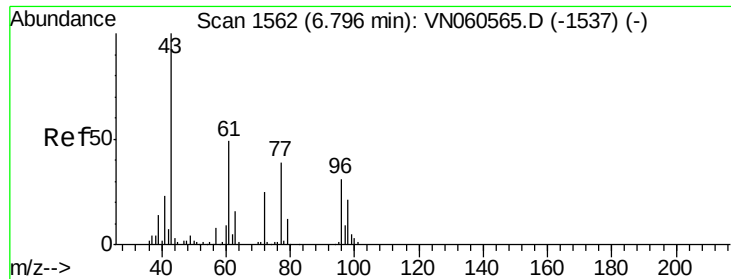
Tot Ion: 43 Resp: 612983
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 20.443 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Tgt Ion: 63 Resp: 83363
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.7
 100 4.0 1.8 5.5





#25

2-Butanone

Concen: 97.788 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

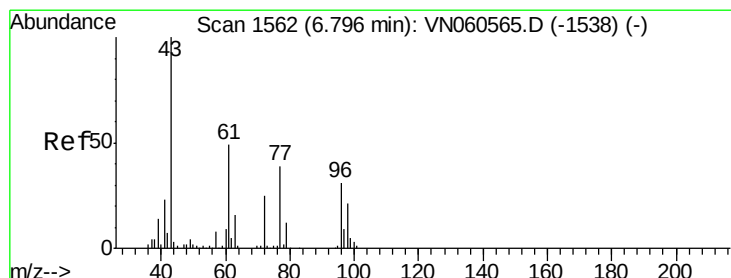
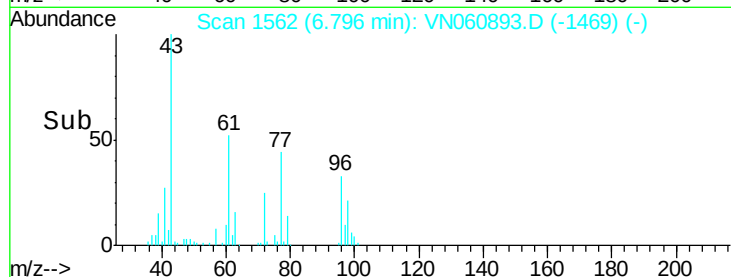
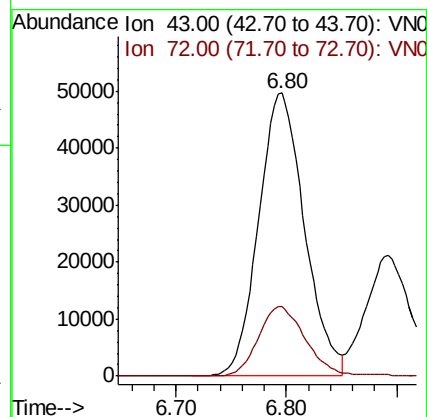
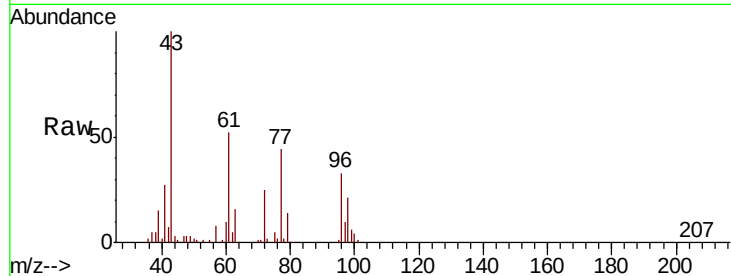
ClientSampled :

Tot Ion: 43 Resp: 143067

Ion Ratio Lower Upper

43 100

72 24.8 20.4 30.6



#26

2,2-Dichloropropane

Concen: 21.703 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060893.D

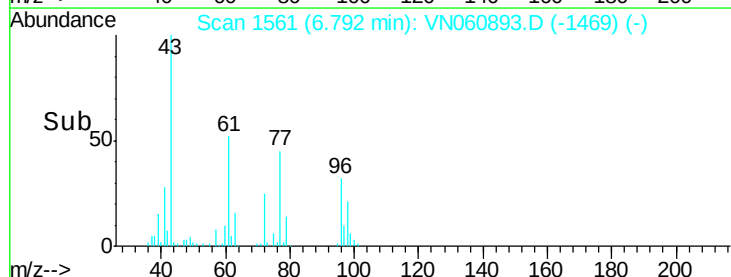
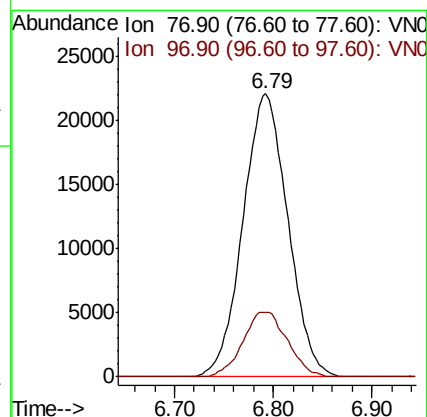
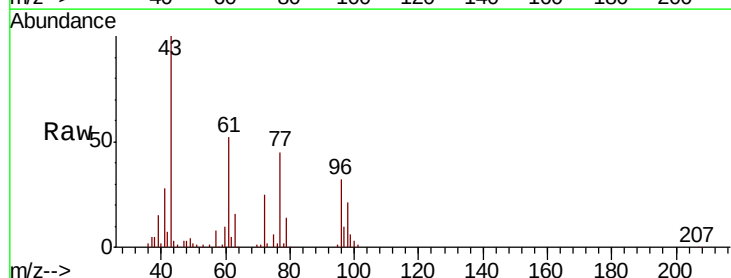
Acq: 8 Apr 2020 12:05

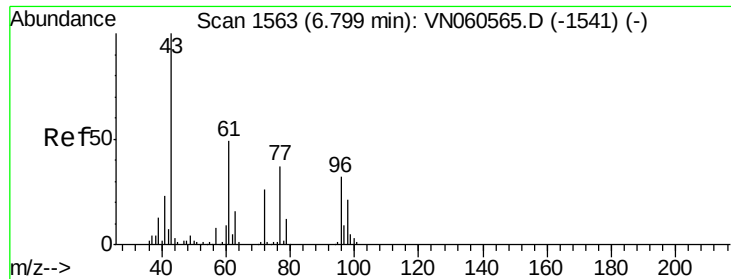
Tgt Ion: 77 Resp: 69631

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 19.545 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :

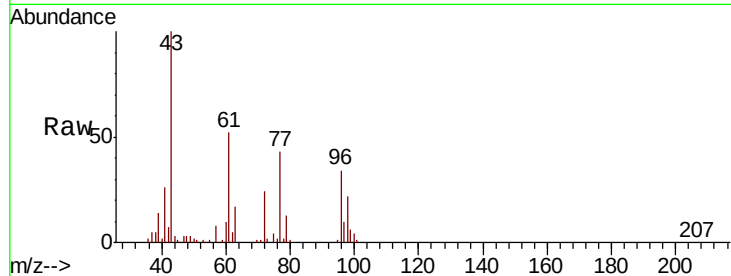
Tot Ion: 96 Resp: 47652

Ion Ratio Lower Upper

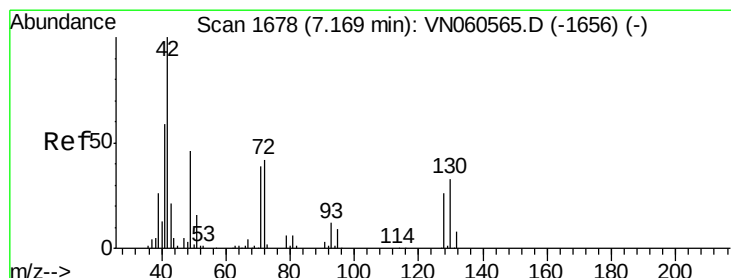
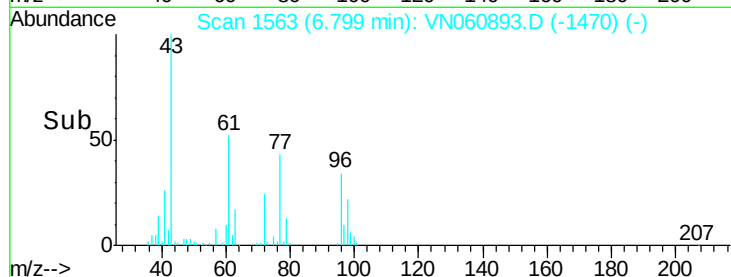
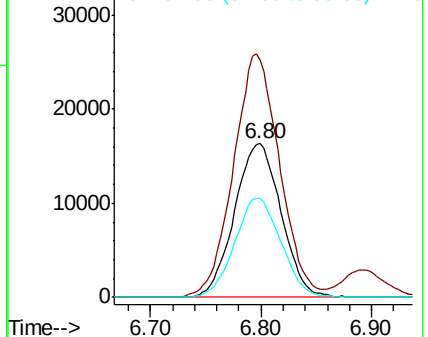
96 100

61 157.4 0.0 305.6

98 64.2 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: 19.977 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

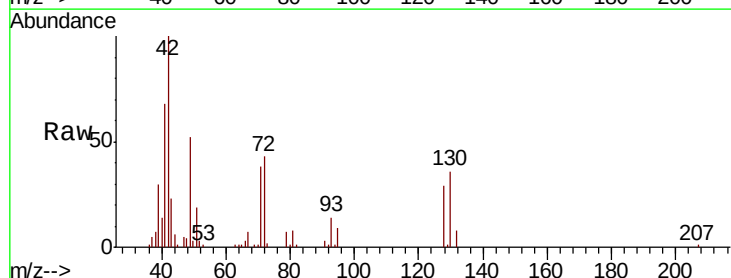
Tgt Ion: 49 Resp: 38975

Ion Ratio Lower Upper

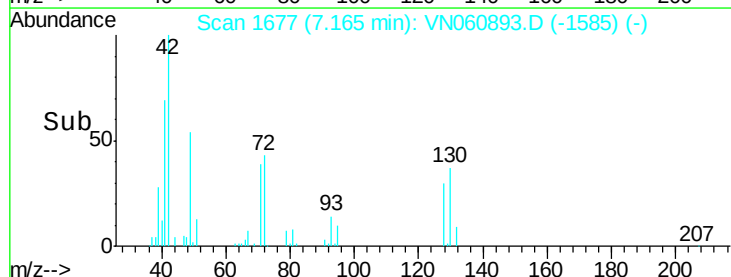
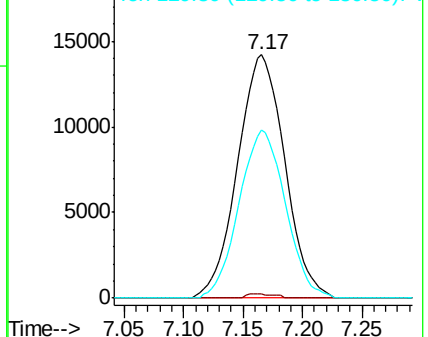
49 100

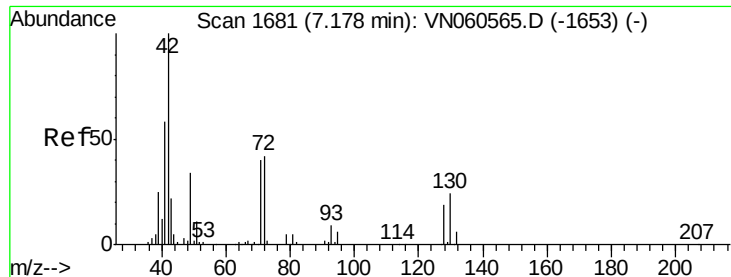
129 0.8 0.0 3.4

130 68.0 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

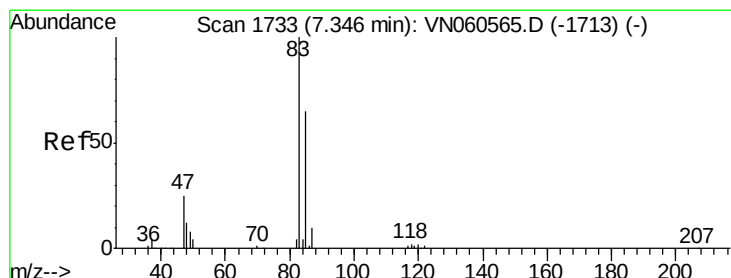
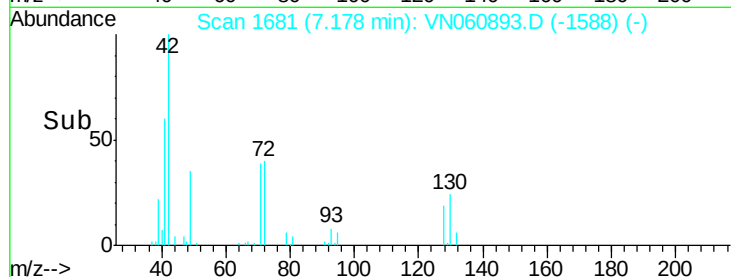
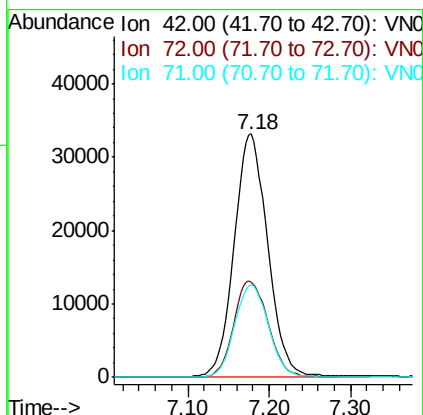
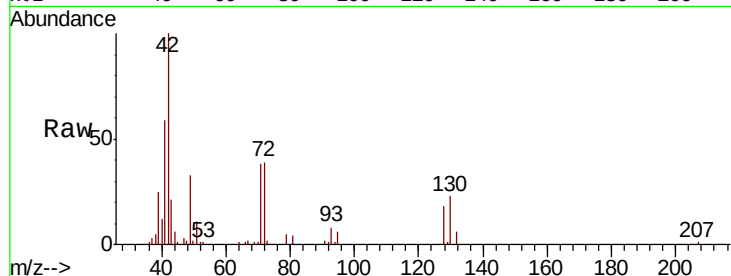




#29
Tetrahydrofuran
Concen: 91.984 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

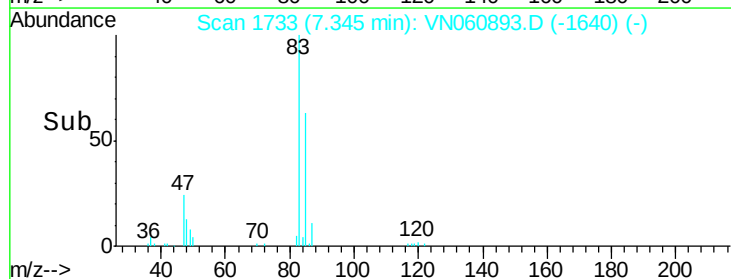
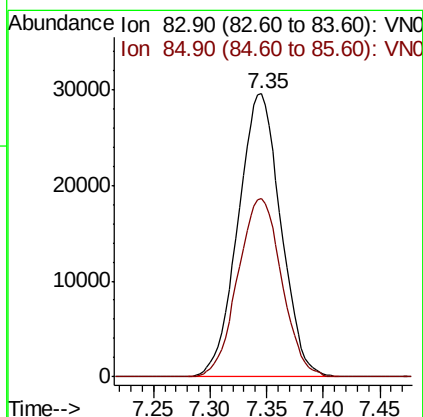
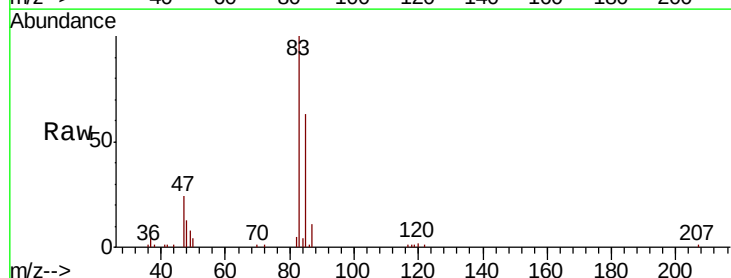
Instrument :
MSVOA_N
ClientSampled :

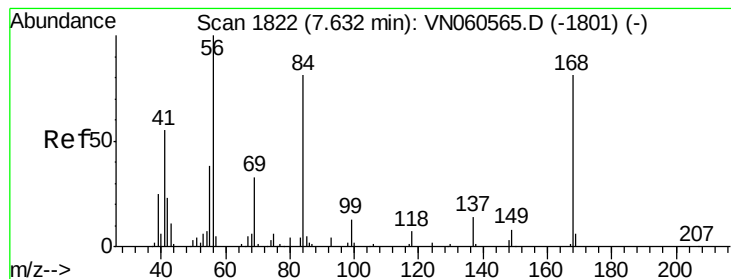
Tot Ion: 42 Resp: 95218
Ion Ratio Lower Upper
42 100
72 40.3 33.2 49.8
71 38.1 31.1 46.7



#30
Chloroform
Concen: 19.855 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion: 83 Resp: 77619
Ion Ratio Lower Upper
83 100
85 63.1 51.8 77.8





#31

Cyclohexane

Concen: 18.628 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

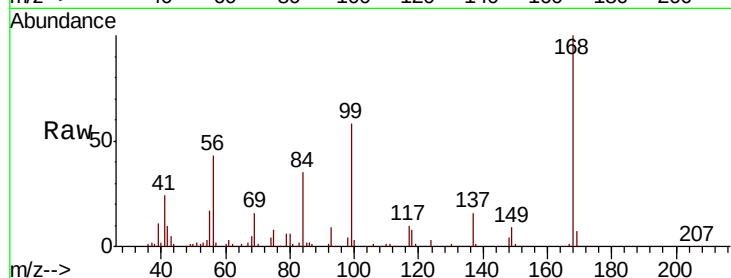
Tot Ion: 56 Resp: 76579

Ion Ratio Lower Upper

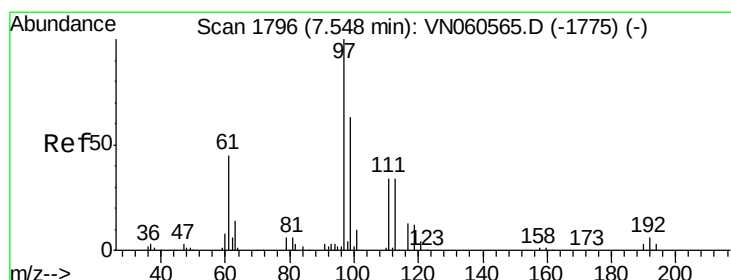
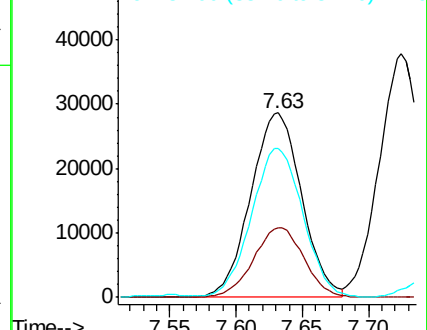
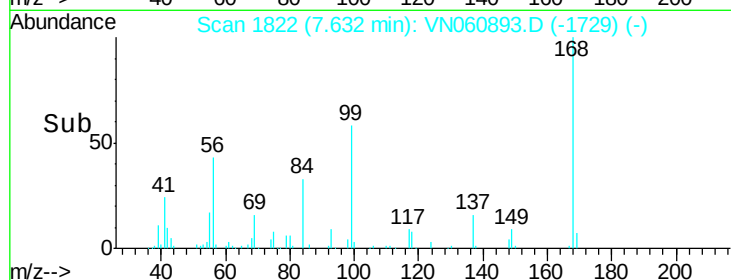
56 100

69 37.8 26.6 40.0

84 79.9 64.3 96.5



Abundance Ion 56.00 (55.70 to 56.70): VN060893.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 19.721 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

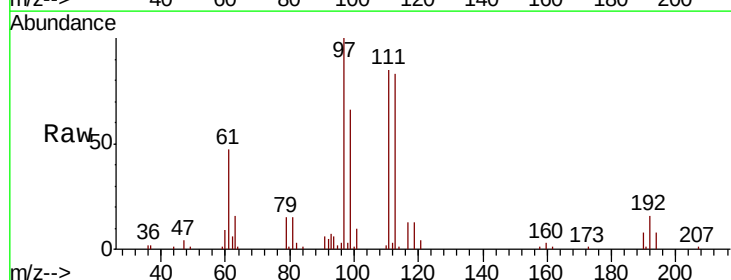
Tgt Ion: 97 Resp: 66462

Ion Ratio Lower Upper

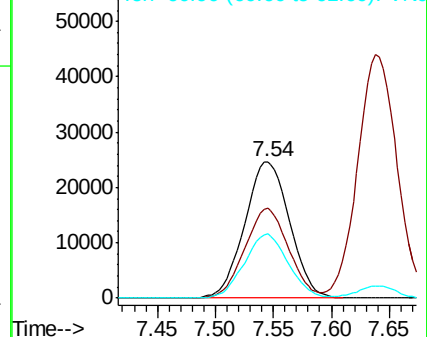
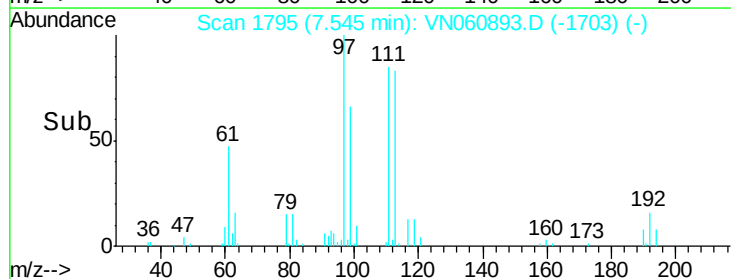
97 100

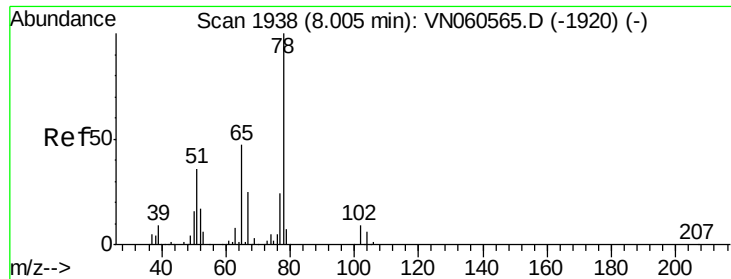
99 63.9 50.6 75.8

61 46.1 36.2 54.4



Abundance Ion 96.90 (96.60 to 97.60): VN060893.D (-1703) (-)

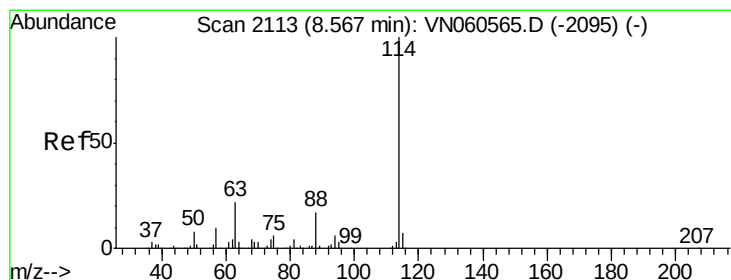
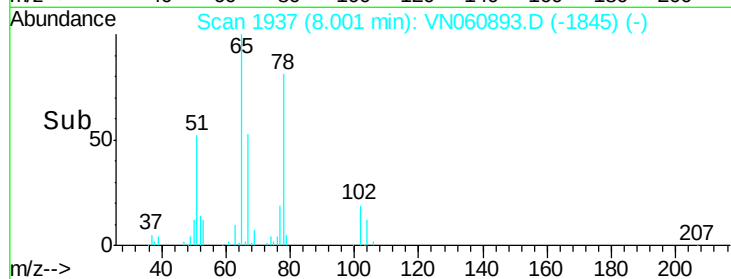
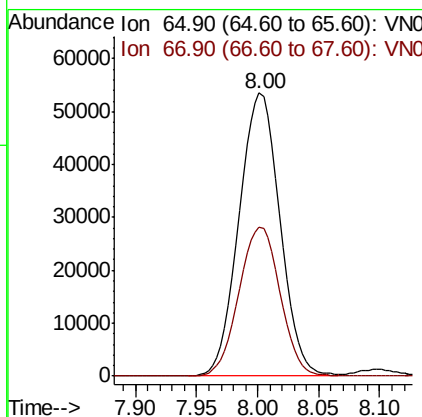
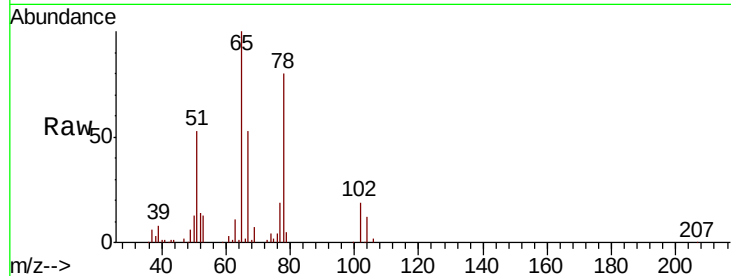




#33
 1,2-Dichloroethane-d4
 Concen: 48.714 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

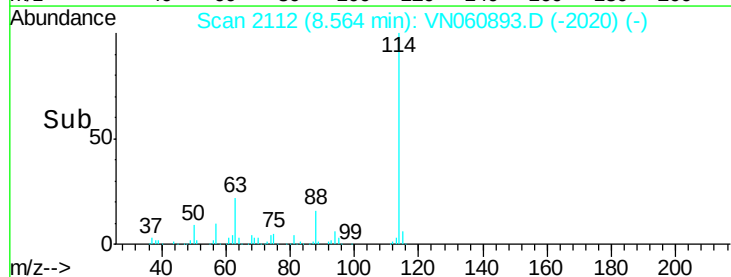
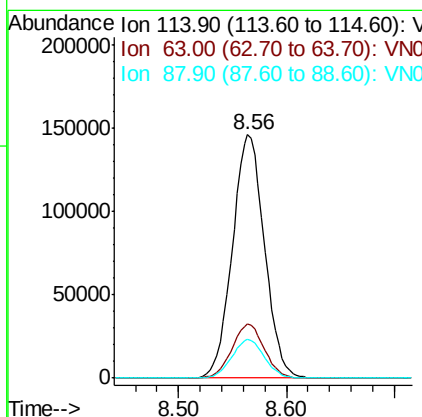
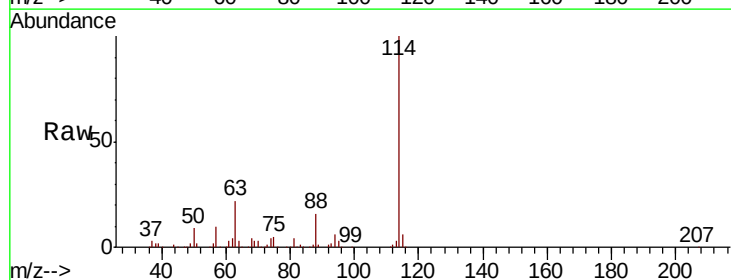
Instrument :
 MSVOA_N
 ClientSampleId :

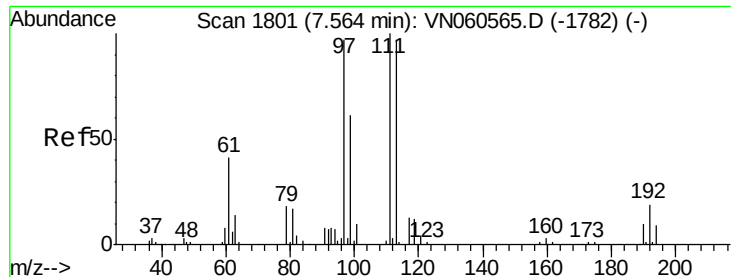
Tot Ion: 65 Resp: 124341
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Tgt Ion: 114 Resp: 302952
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.8
 88 16.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.781 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :

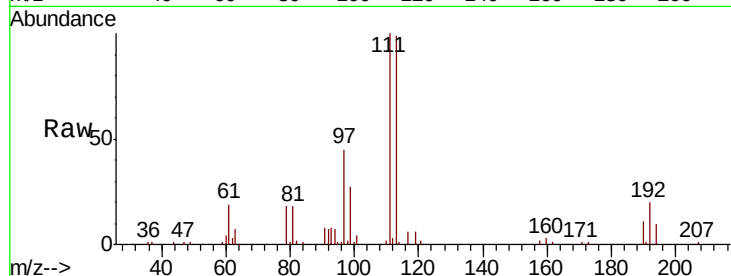
Tot Ion:113 Resp: 93023

Ion Ratio Lower Upper

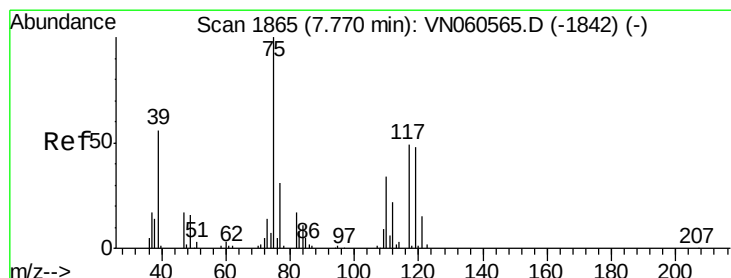
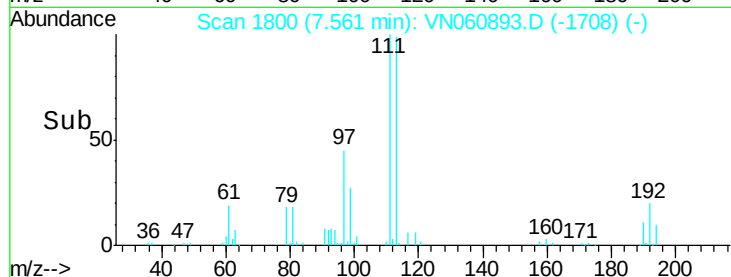
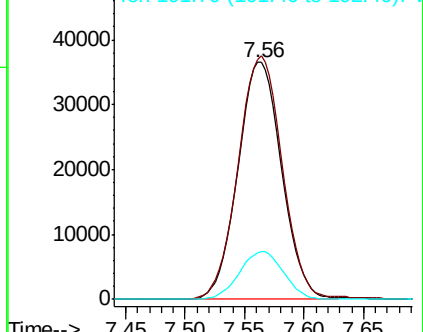
113 100

111 103.2 82.9 124.3

192 20.2 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: 20.143 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

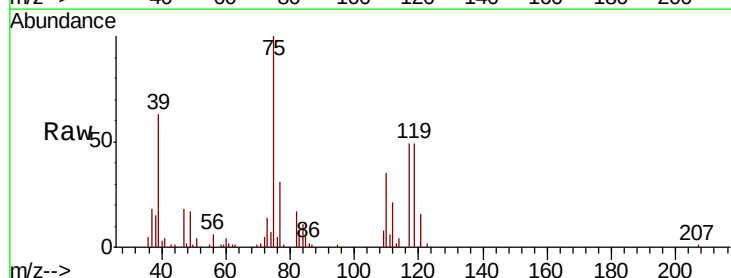
Tgt Ion: 75 Resp: 59090

Ion Ratio Lower Upper

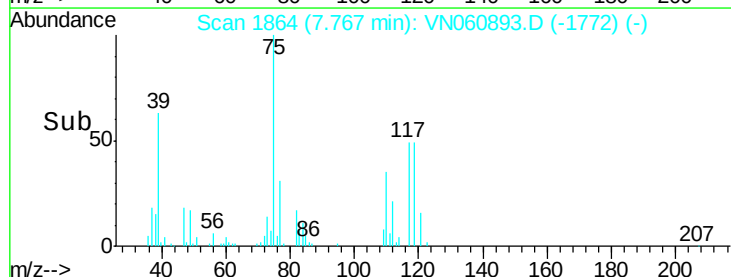
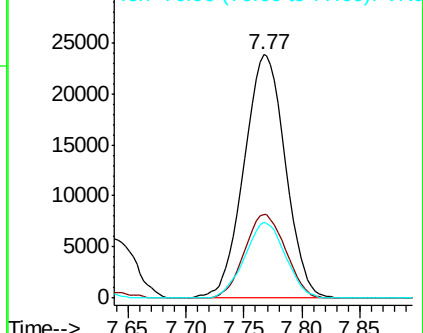
75 100

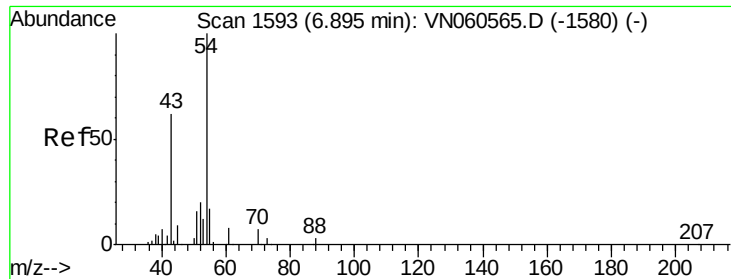
110 34.0 16.9 50.6

77 30.6 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

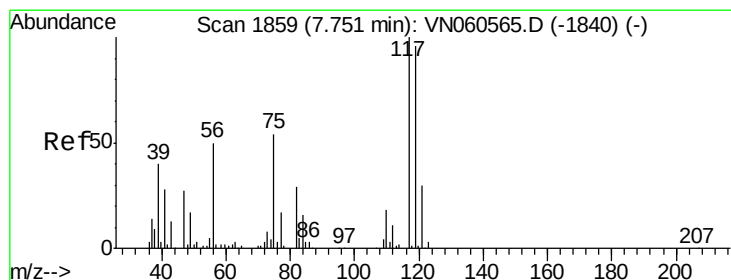
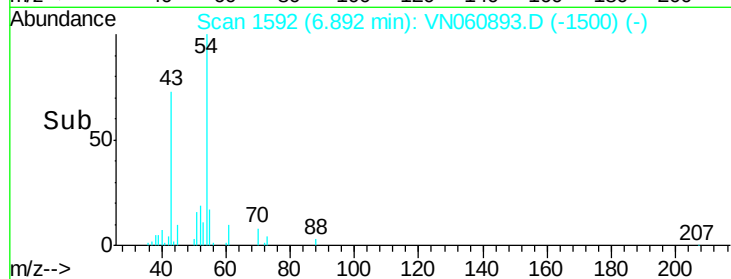
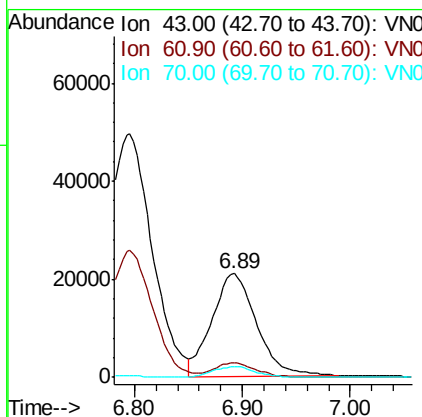
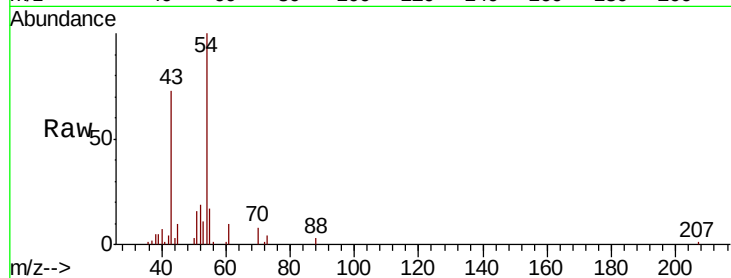




#37
Ethyl Acetate
Concen: 18.884 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

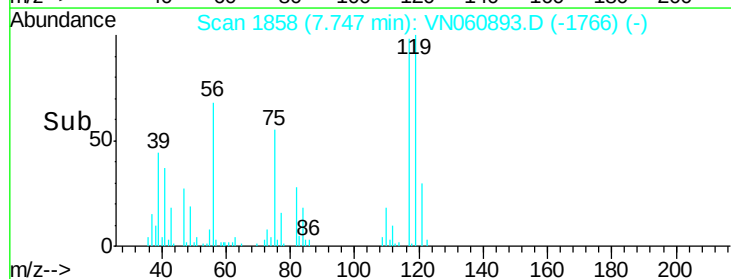
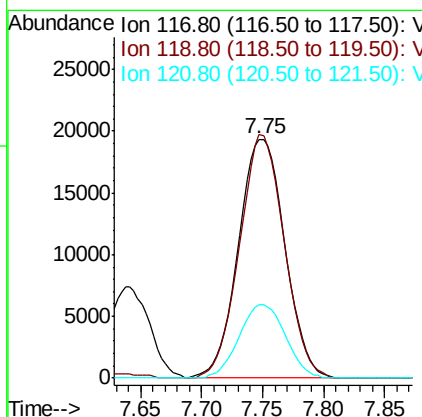
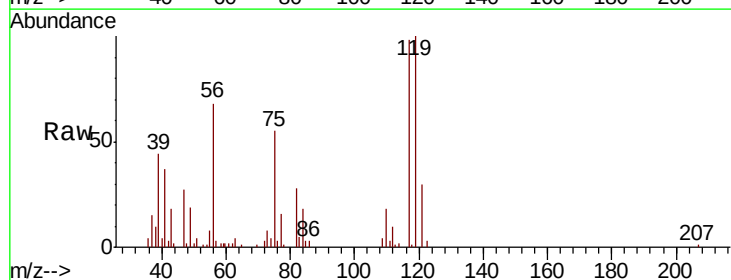
Instrument :
MSVOA_N
ClientSampleId :

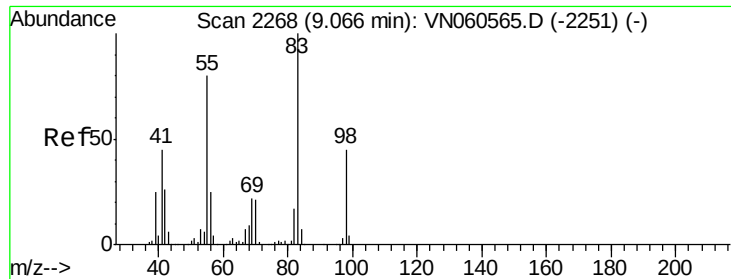
Tot Ion: 43 Resp: 59857
Ion Ratio Lower Upper
43 100
61 13.3 10.6 15.8
70 9.8 7.9 11.9



#38
Carbon Tetrachloride
Concen: 19.430 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion: 117 Resp: 51084
Ion Ratio Lower Upper
117 100
119 101.9 76.2 114.2
121 30.9 23.7 35.5

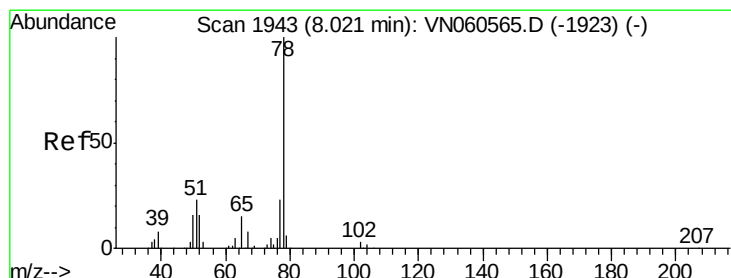
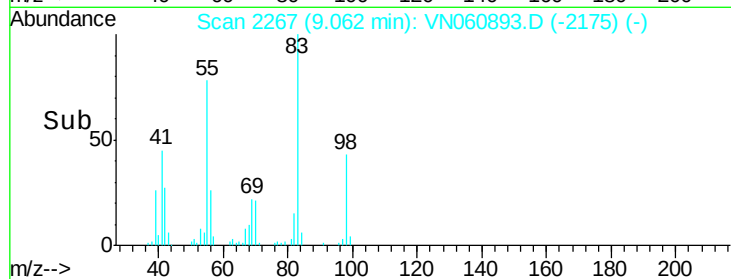
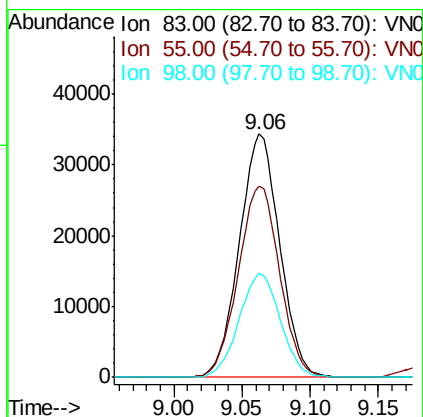
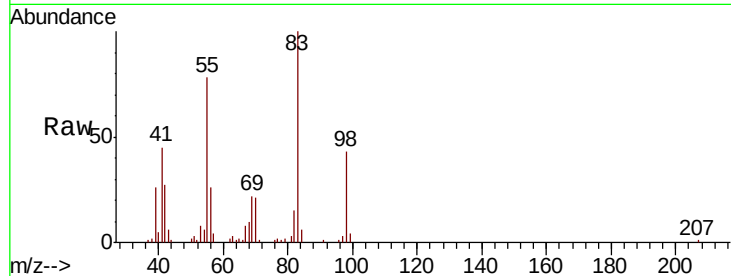




#39
Methylvlcyclohexane
Concen: 20.260 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

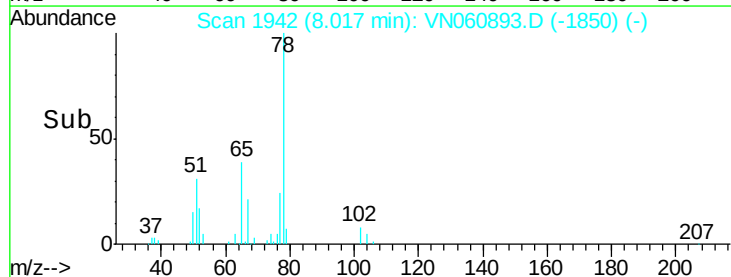
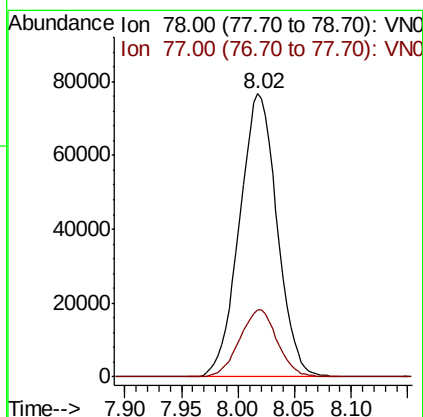
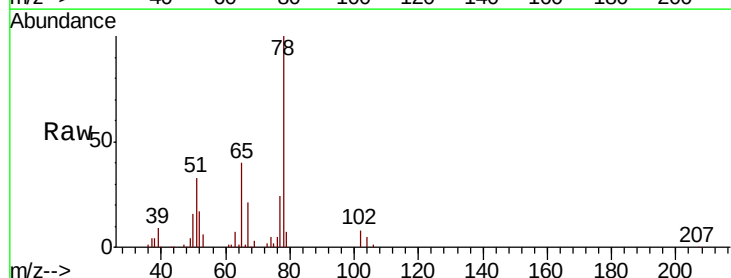
Instrument :
MSVOA_N
ClientSampleId :

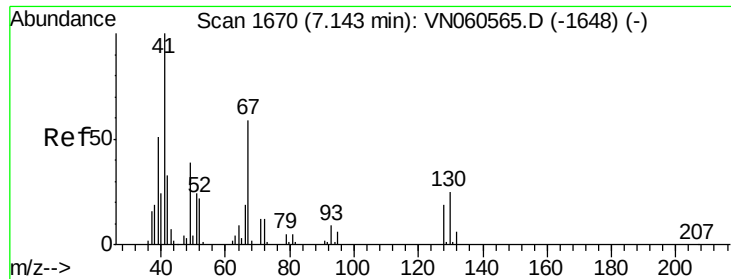
Tot Ion: 83 Resp: 70627
Ion Ratio Lower Upper
83 100
55 78.4 63.6 95.4
98 42.6 36.0 54.0



#40
Benzene
Concen: 20.056 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion: 78 Resp: 177603
Ion Ratio Lower Upper
78 100
77 23.8 18.6 28.0

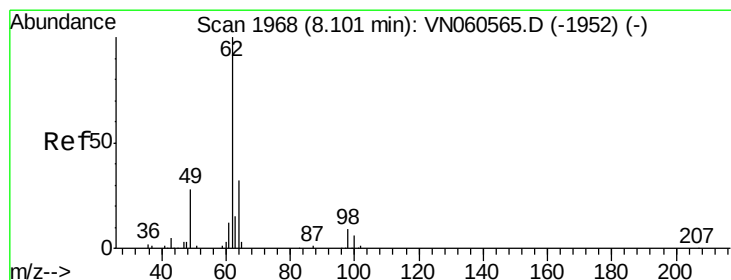
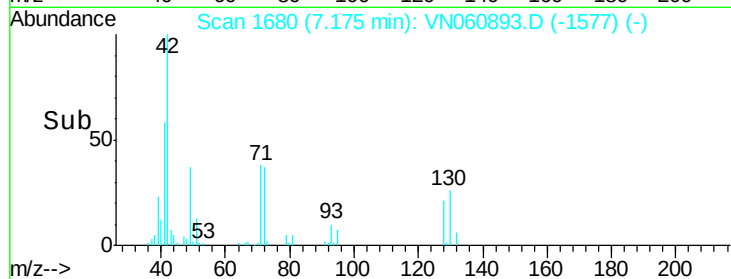
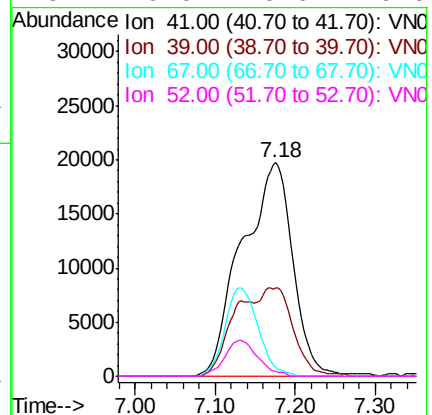
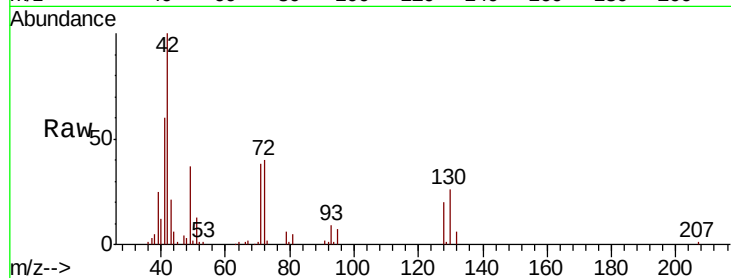




#41
Methacrylonitrile
Concen: 63.544 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

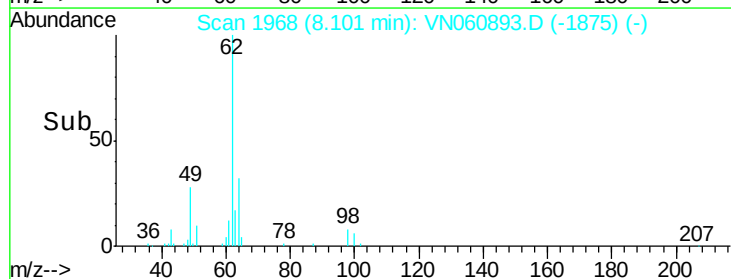
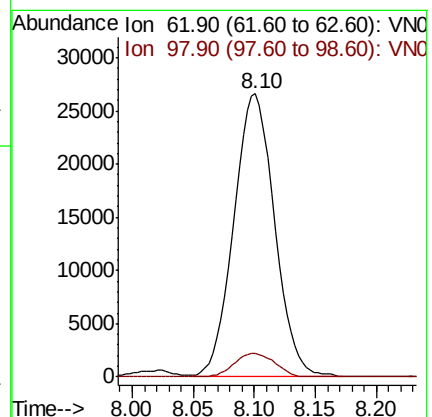
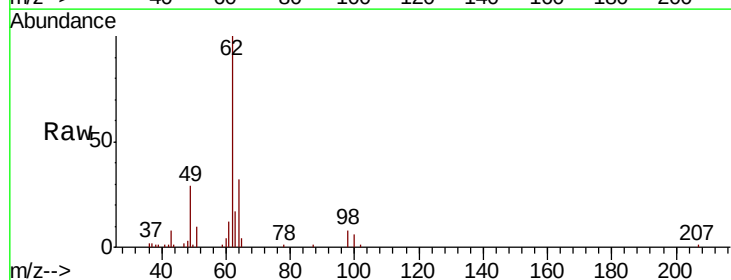
Instrument :
MSVOA_N
ClientSampled :

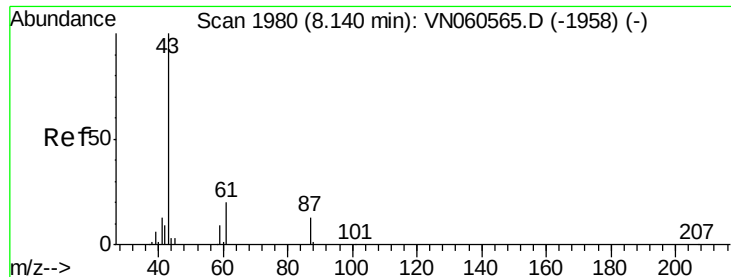
Tot Ion:	41	Resp:	85959
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 20.455 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion:	62	Resp:	61904
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.8





#43

Isopropyl Acetate

Concen: 19.679 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

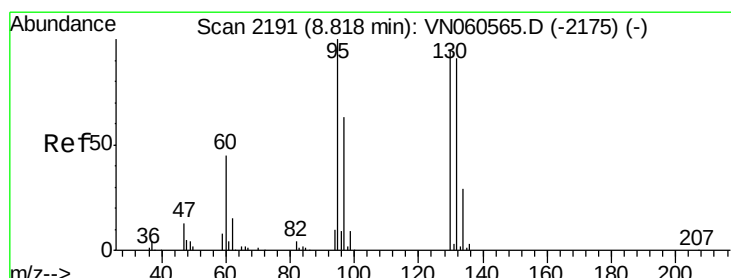
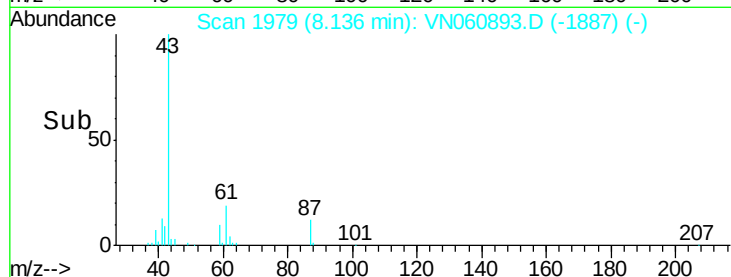
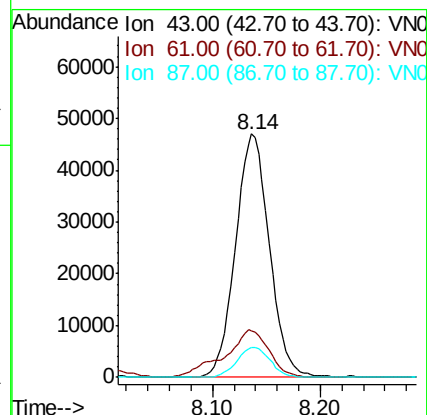
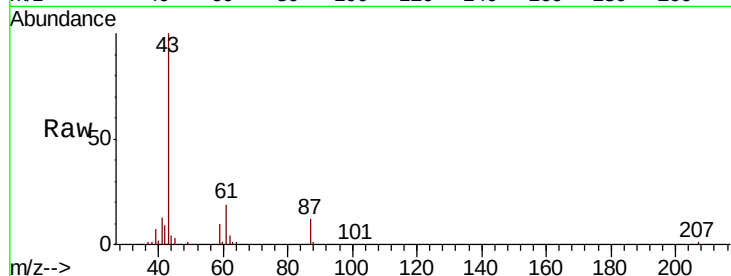
Tot Ion: 43 Resp: 102872

Ion Ratio Lower Upper

43 100

61 25.4 20.7 31.1

87 12.1 9.8 14.8



#44

Trichloroethene

Concen: 20.054 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060893.D

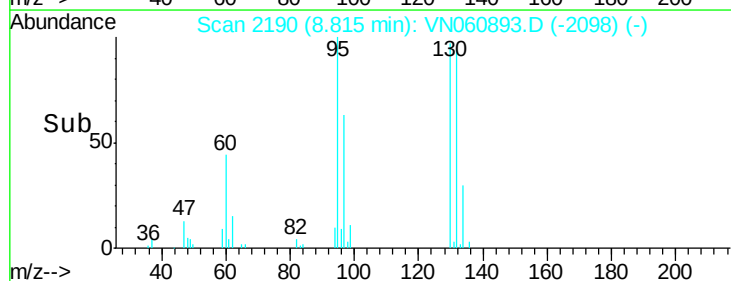
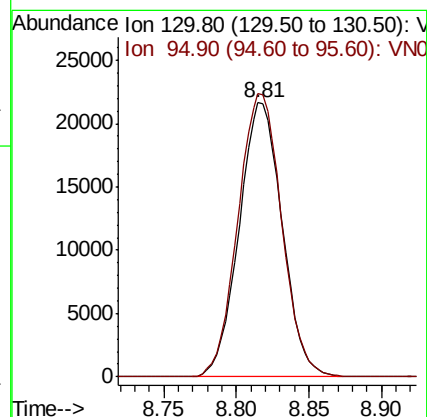
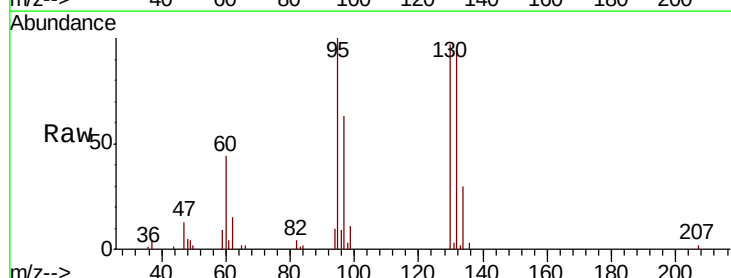
Acq: 8 Apr 2020 12:05

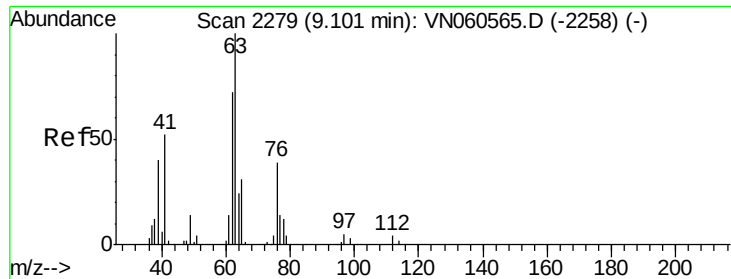
Tgt Ion:130 Resp: 44768

Ion Ratio Lower Upper

130 100

95 103.2 0.0 211.2

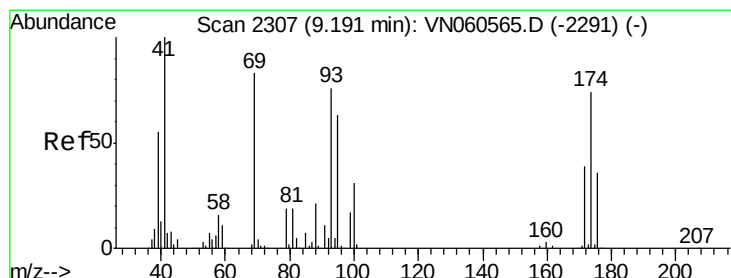
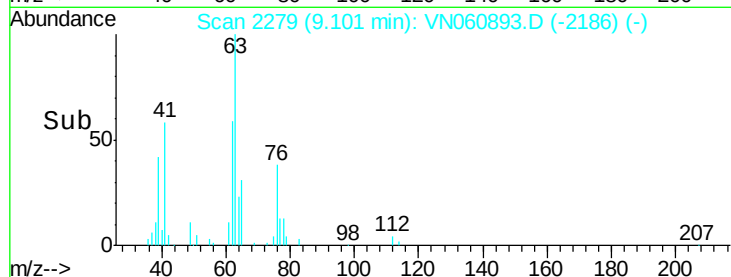
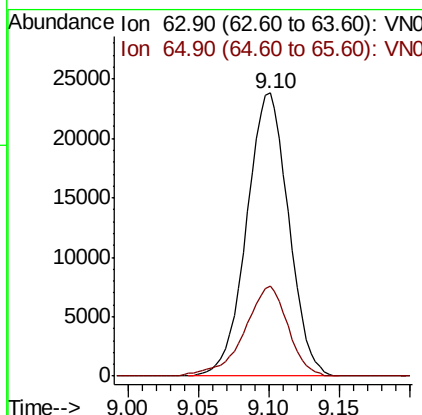
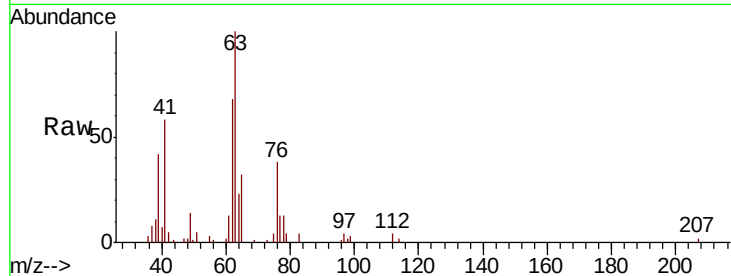




#45
 1,2-Dichloropropane
 Concen: 21.206 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

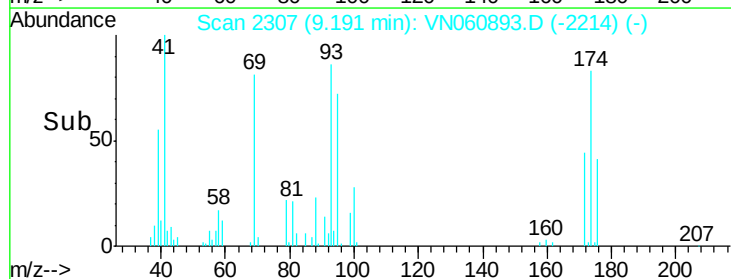
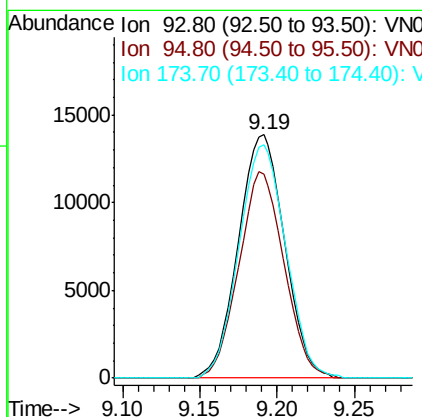
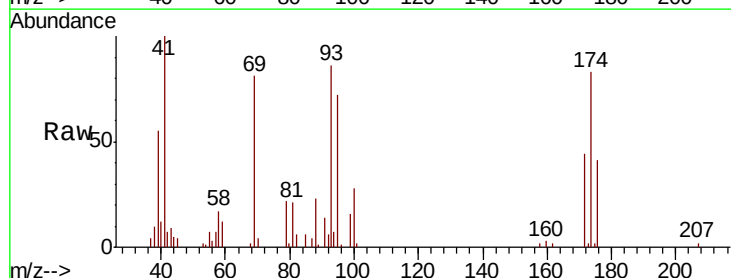
Instrument :
 MSVOA_N
 ClientSampled :

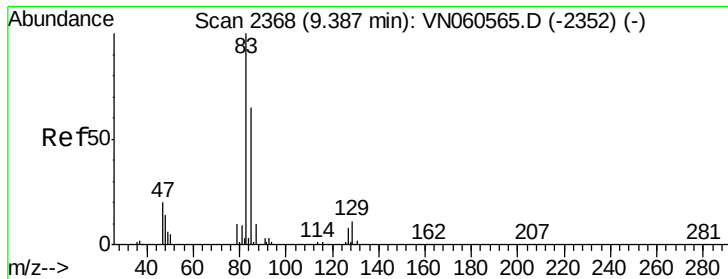
Tot Ion: 63 Resp: 49551
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.4 38.0



#46
 Dibromomethane
 Concen: 20.463 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Tgt Ion: 93 Resp: 28908
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.2 99.4
 174 97.2 77.9 116.9





#47

Bromodichloromethane

Concen: 20.644 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

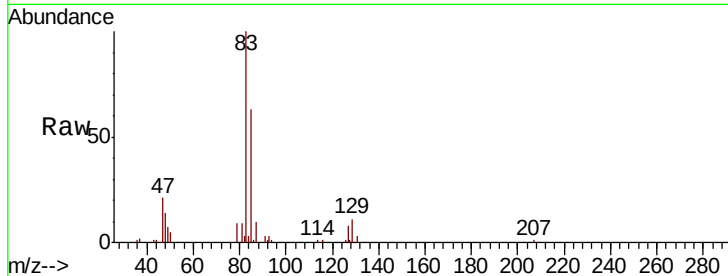
Tot Ion: 83 Resp: 60602

Ion Ratio Lower Upper

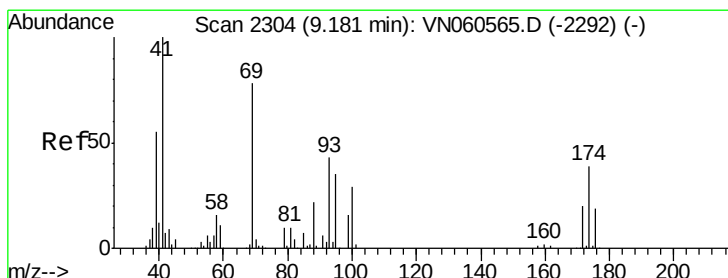
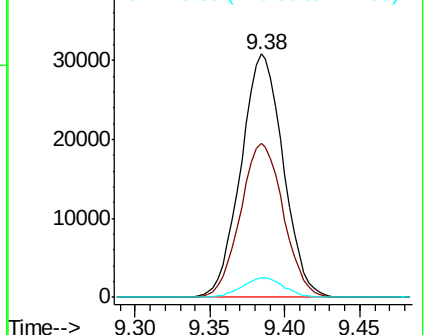
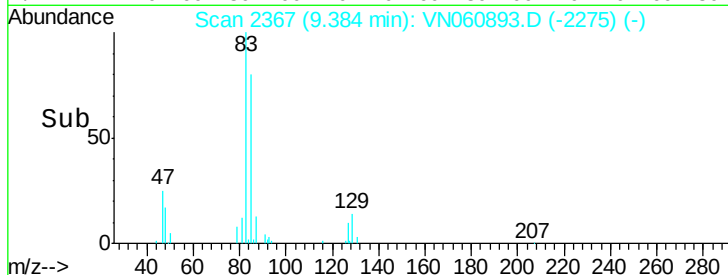
83 100

85 63.3 51.8 77.6

127 8.1 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060893.D (-2275) (-)



#48

Methyl methacrylate

Concen: 19.165 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

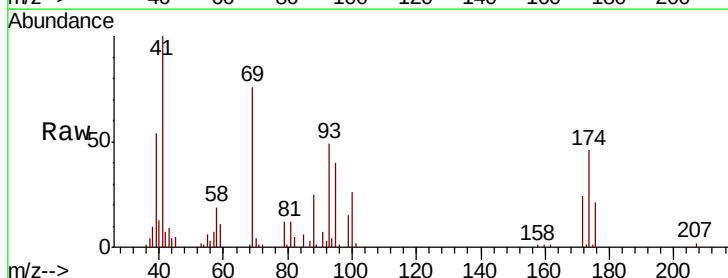
Tgt Ion: 41 Resp: 44604

Ion Ratio Lower Upper

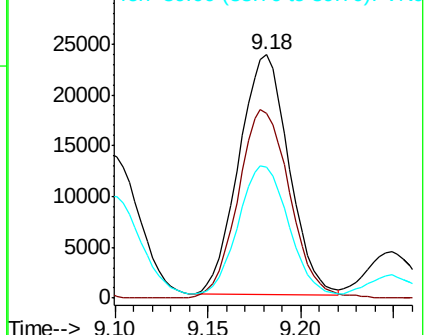
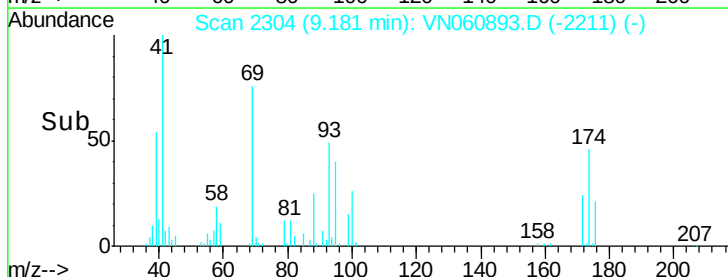
41 100

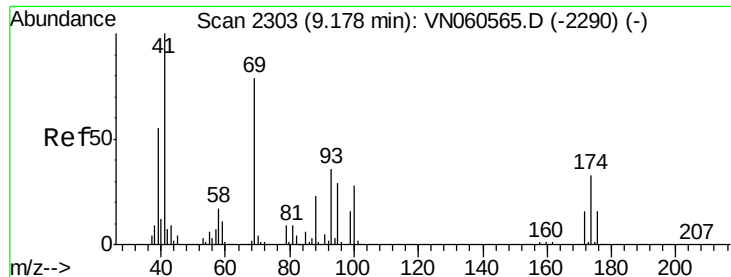
69 80.8 65.4 98.0

39 53.4 44.0 66.0



Abundance Ion 41.00 (40.70 to 41.70): VN060893.D (-2211) (-)

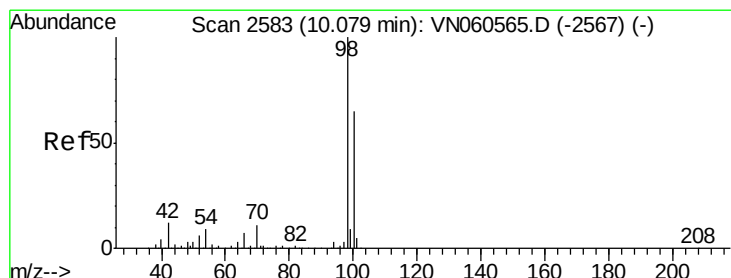
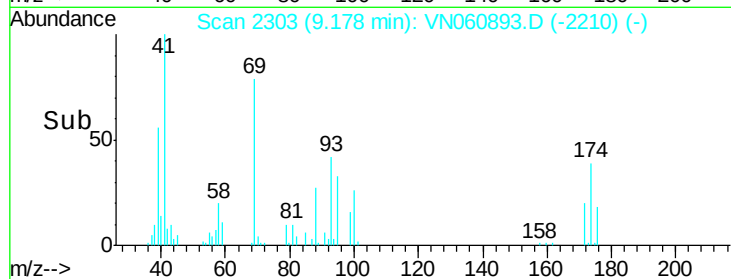
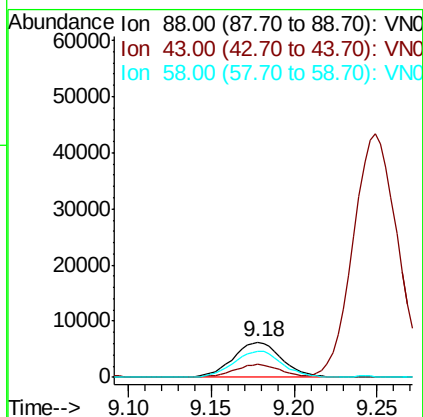
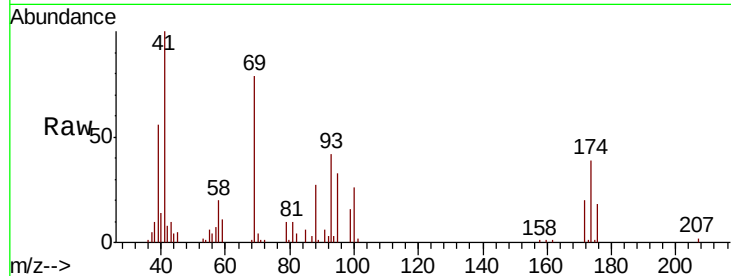




#49
 1,4-Dioxane
 Concen: 459.475 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

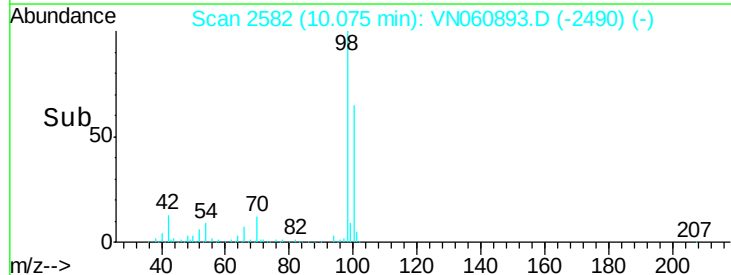
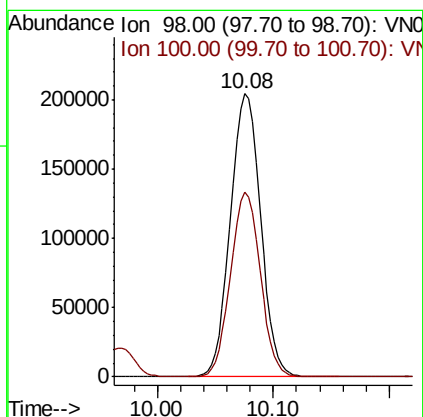
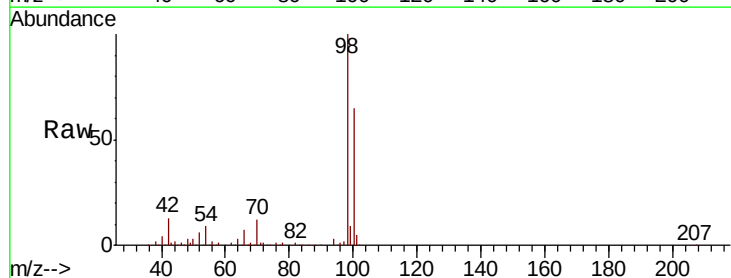
Instrument :
 MSVOA_N
 ClientSampled :

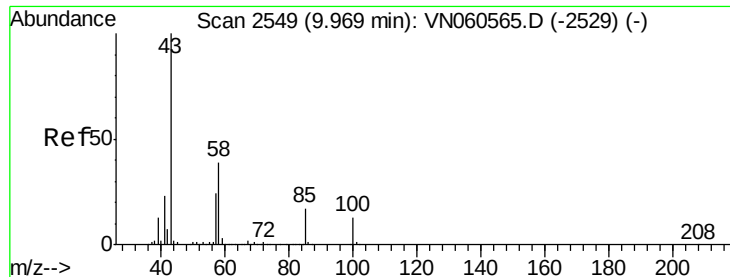
Tot Ion: 88 Resp: 12711
 Ion Ratio Lower Upper
 88 100
 43 35.6 30.8 46.2
 58 73.7 59.8 89.8



#50
 Toluene-d8
 Concen: 49.366 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Tgt Ion: 98 Resp: 369380
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.8 77.8

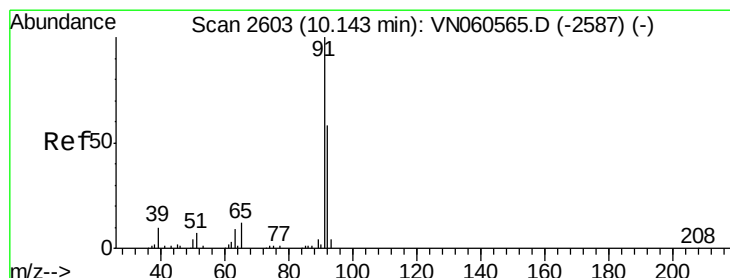
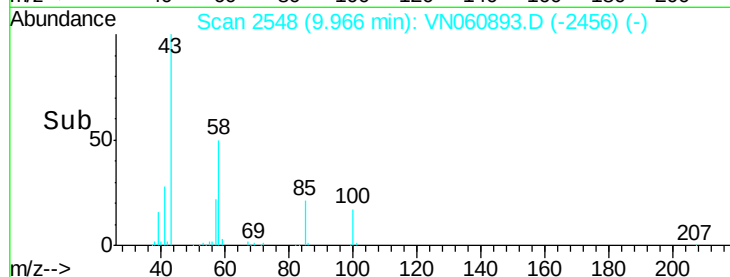
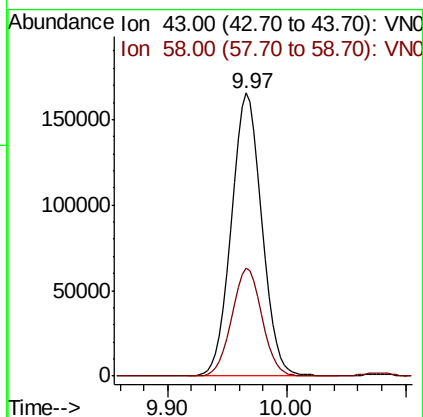
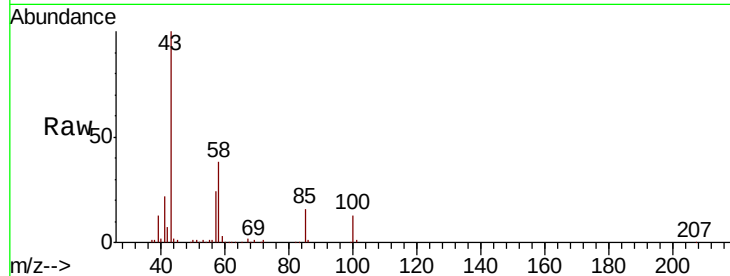




#51
4-Methyl-2-Pentanone
Concen: 98.694 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

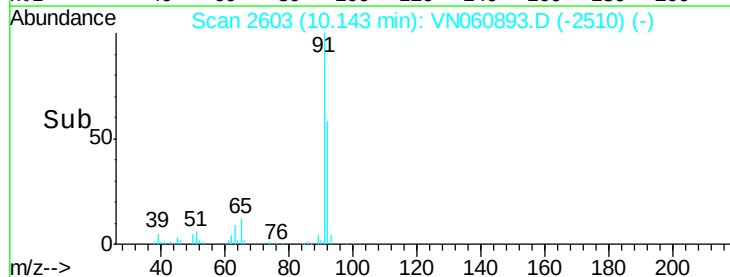
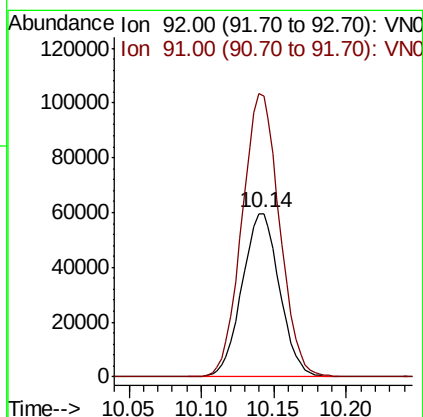
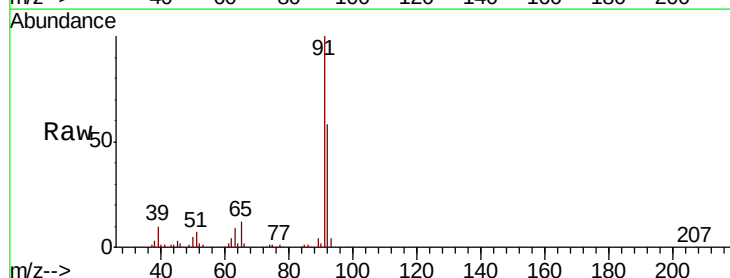
Instrument :
MSVOA_N
ClientSampled :

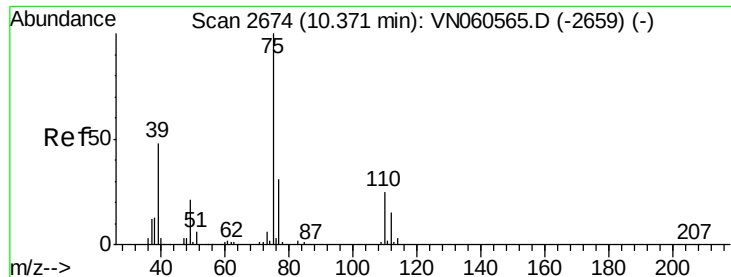
Tot Ion: 43 Resp: 293581
Ion Ratio Lower Upper
43 100
58 37.8 30.8 46.2



#52
Toluene
Concen: 20.074 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion: 92 Resp: 107358
Ion Ratio Lower Upper
92 100
91 173.7 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 20.506 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

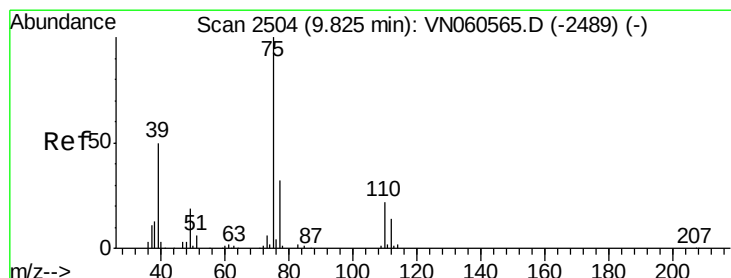
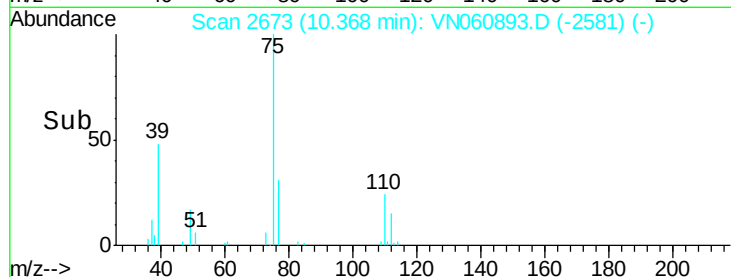
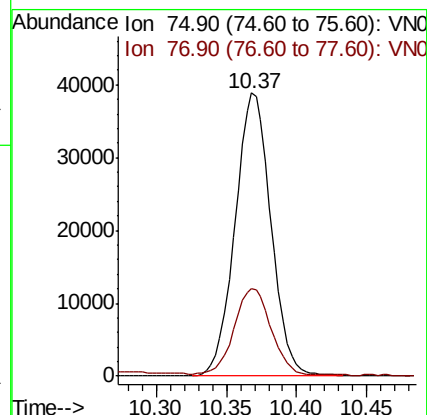
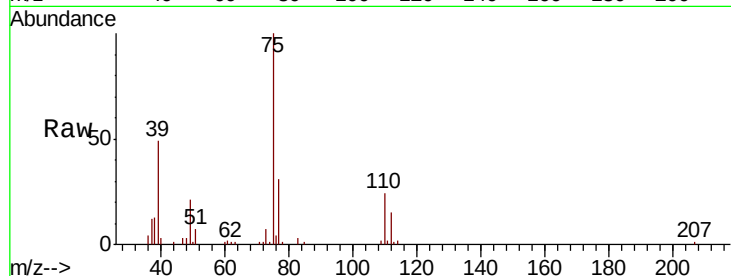
ClientSampled :

Tot Ion: 75 Resp: 69145

Ion Ratio Lower Upper

75 100

77 30.5 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 20.744 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

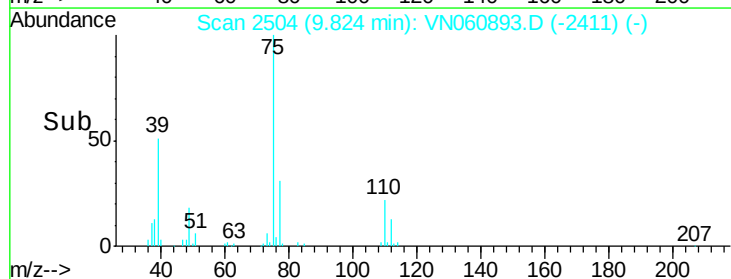
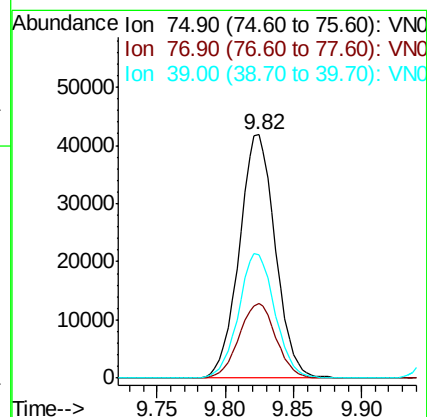
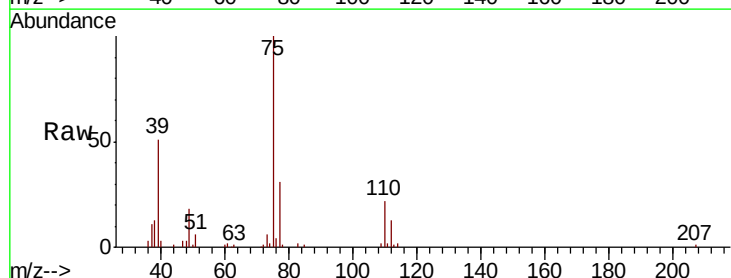
Tgt Ion: 75 Resp: 76737

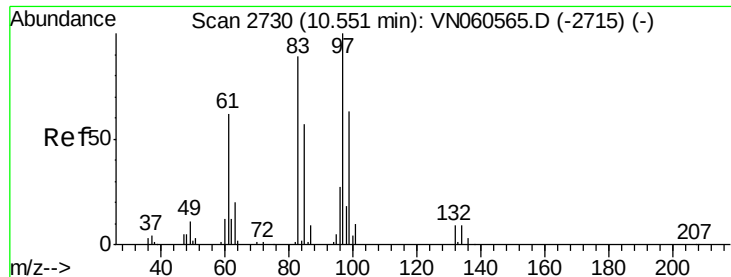
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 50.6 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 20.623 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 42433

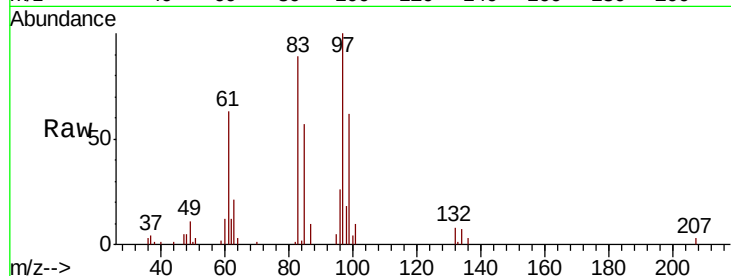
Ion	Ratio	Lower	Upper
97	100		
83	89.3	71.3	106.9
85	56.5	45.2	67.8
99	62.0	50.1	75.1

97 100

83 89.3 71.3 106.9

85 56.5 45.2 67.8

99 62.0 50.1 75.1

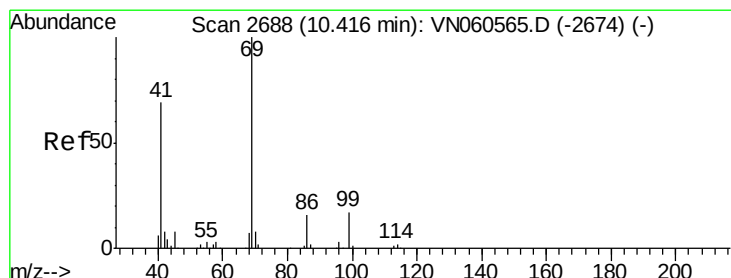
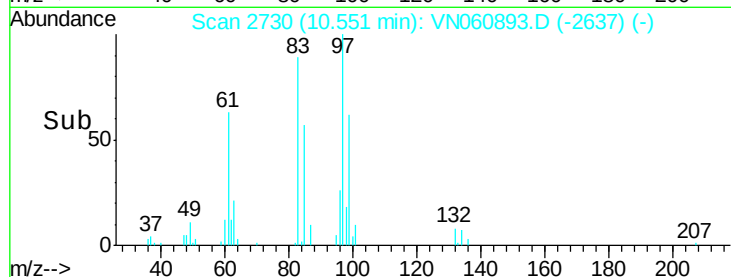
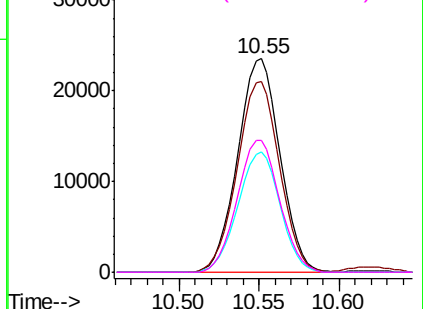


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.498 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

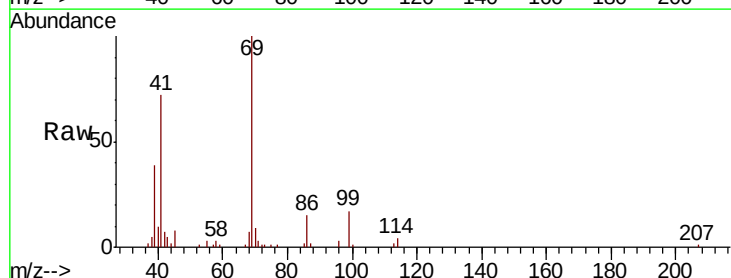
Tgt Ion: 69 Resp: 62553

Ion	Ratio	Lower	Upper
69	100		
41	72.7	55.4	83.2
39	38.2	29.4	44.0

69 100

41 72.7 55.4 83.2

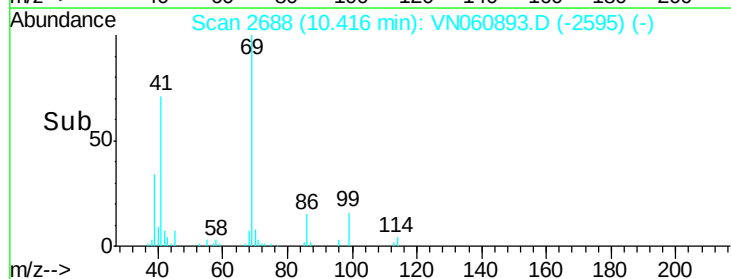
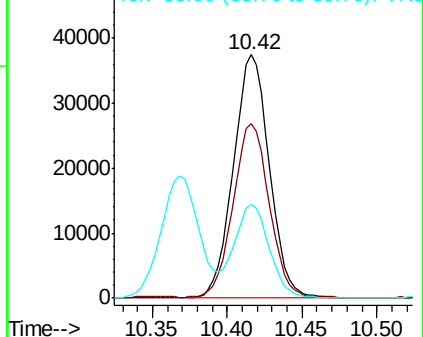
39 38.2 29.4 44.0

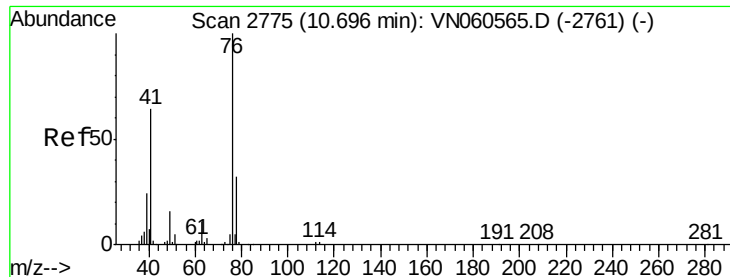


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.474 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

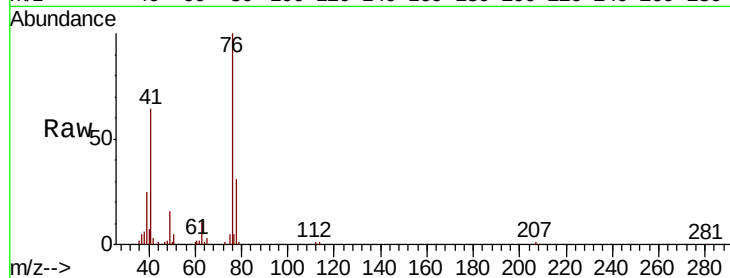
ClientSampled :

Tot Ion: 76 Resp: 73099

Ion Ratio Lower Upper

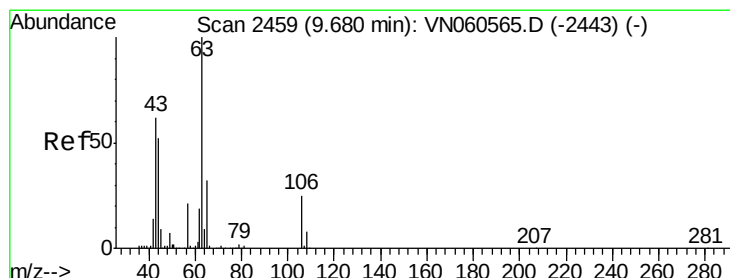
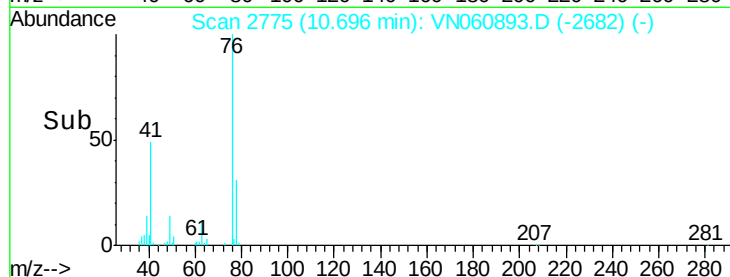
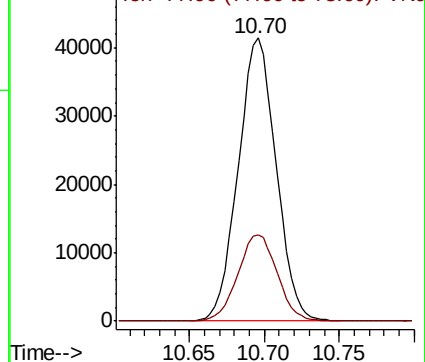
76 100

78 31.5 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 84.619 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060893.D

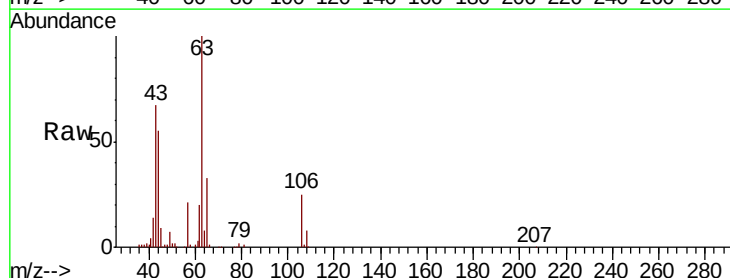
Acq: 8 Apr 2020 12:05

Tgt Ion: 63 Resp: 134924

Ion Ratio Lower Upper

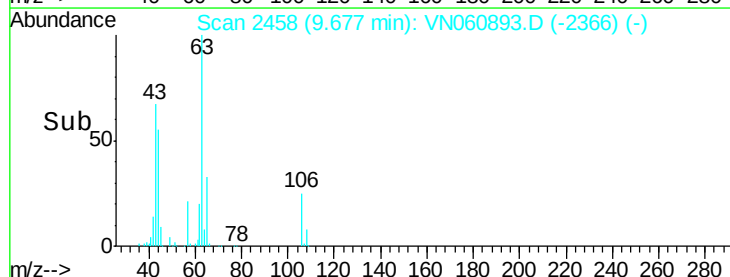
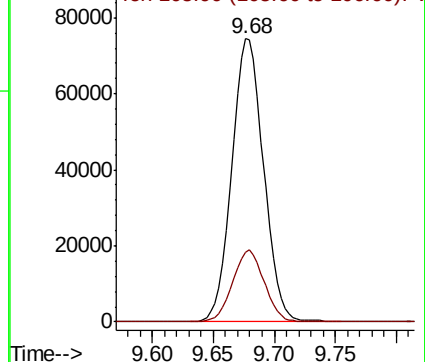
63 100

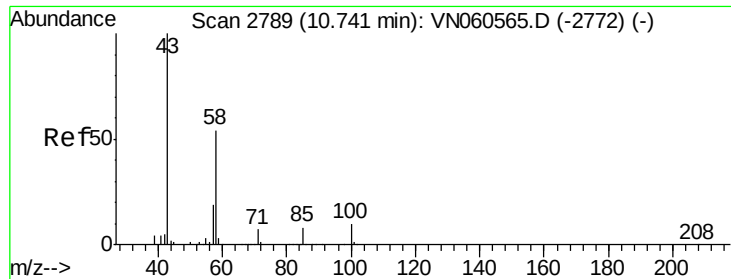
106 25.2 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

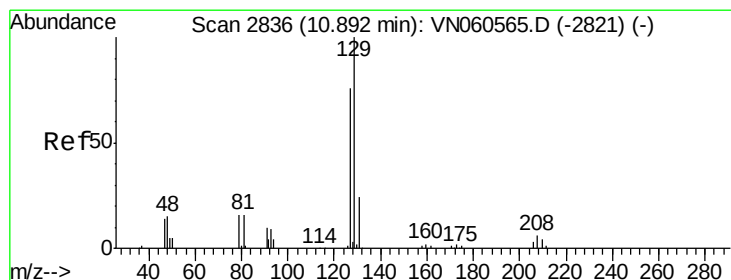
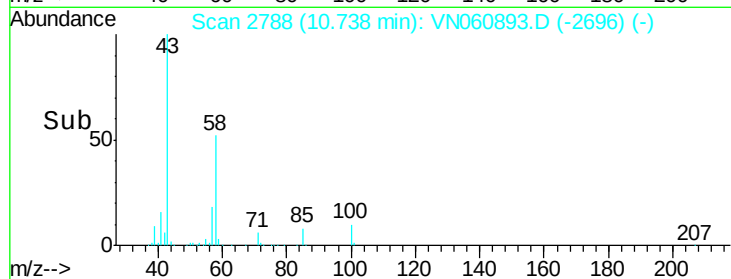
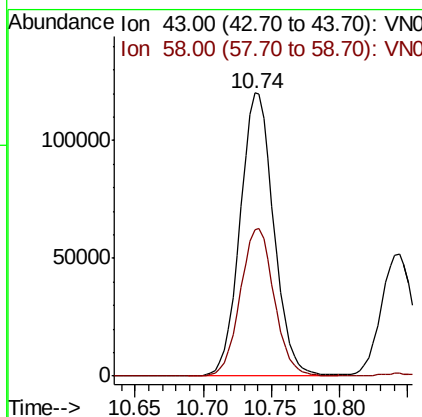
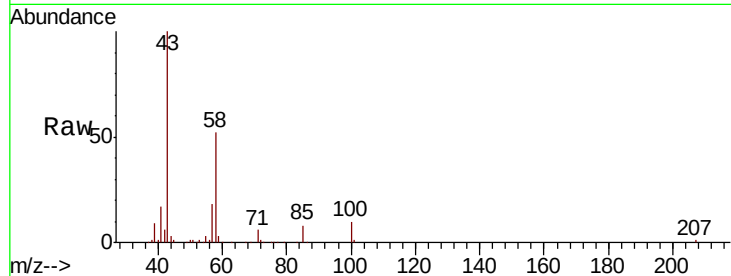




#59
2-Hexanone
Concen: 95.962 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

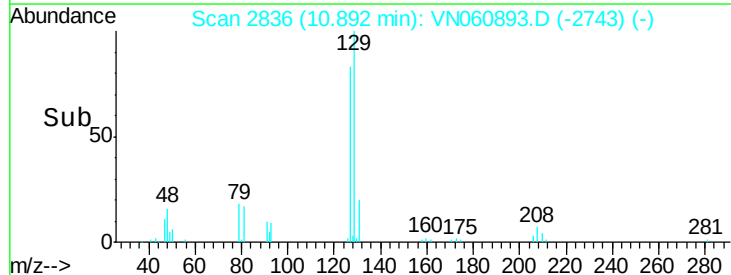
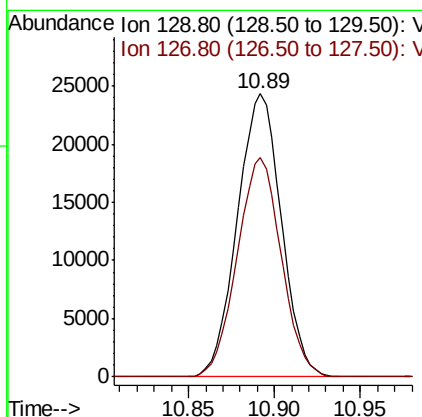
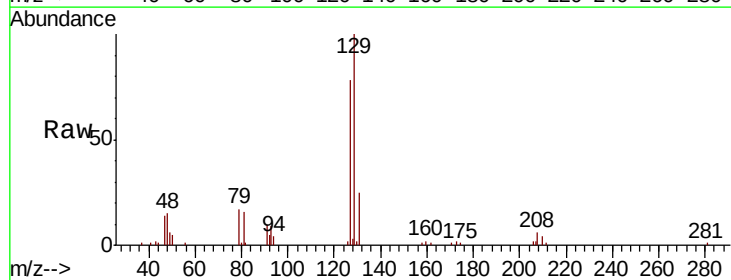
Instrument :
MSVOA_N
ClientSampleId :

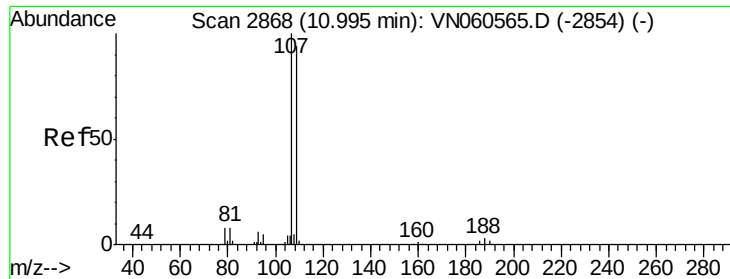
Tot Ion: 43 Resp: 205629
Ion Ratio Lower Upper
43 100
58 52.6 26.7 80.1



#60
Dibromochloromethane
Concen: 20.341 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion: 129 Resp: 43231
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.5

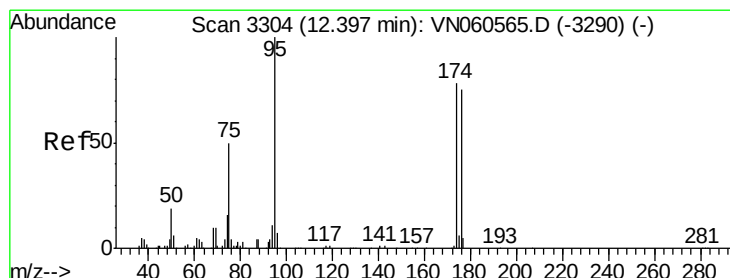
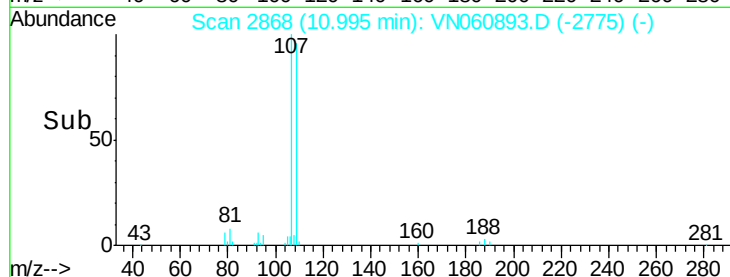
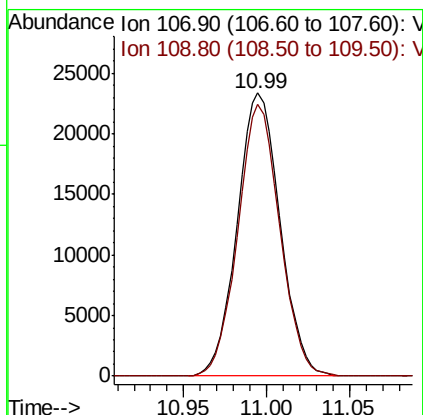
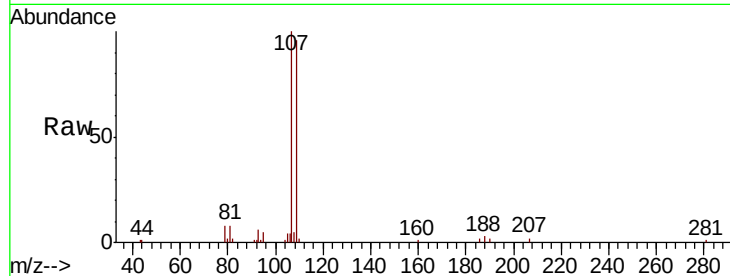




#61
 1,2-Dibromoethane
 Concen: 20.205 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

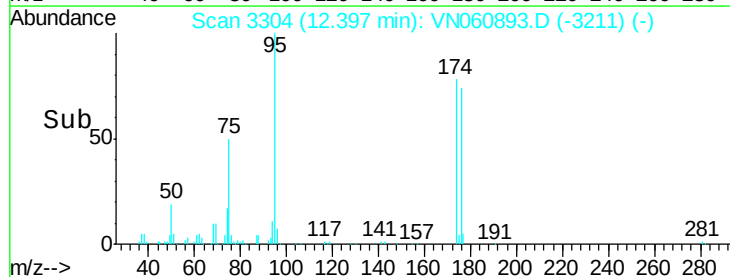
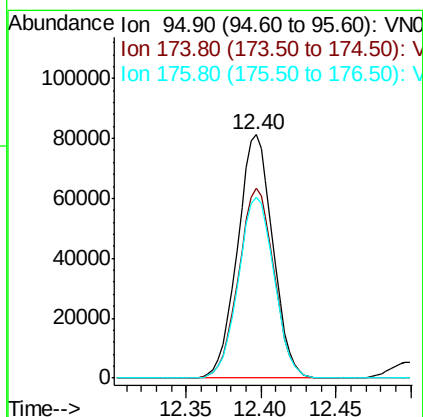
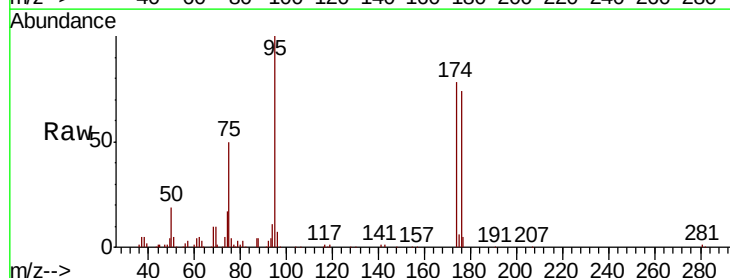
Instrument :
 MSVOA_N
 ClientSampled :

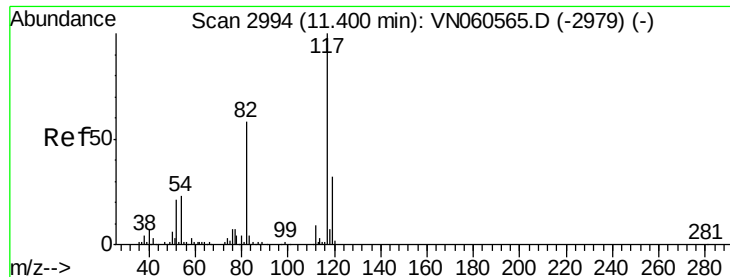
Tot Ion:107 Resp: 41803
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 48.560 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Tgt Ion: 95 Resp: 133160
 Ion Ratio Lower Upper
 95 100
 174 78.3 0.0 157.6
 176 75.6 0.0 150.6

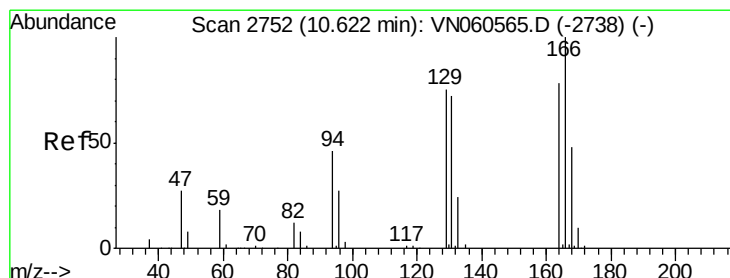
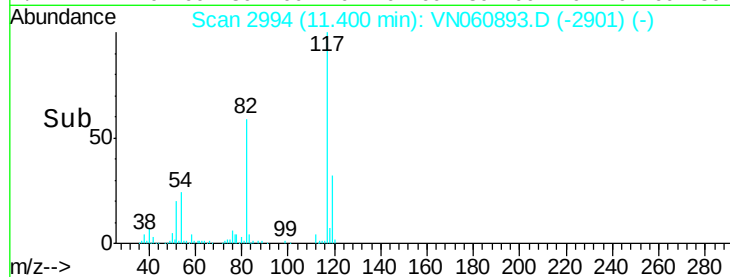
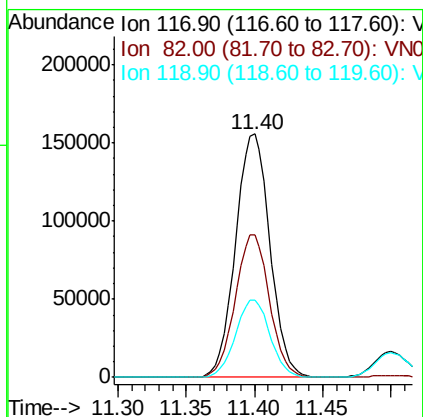
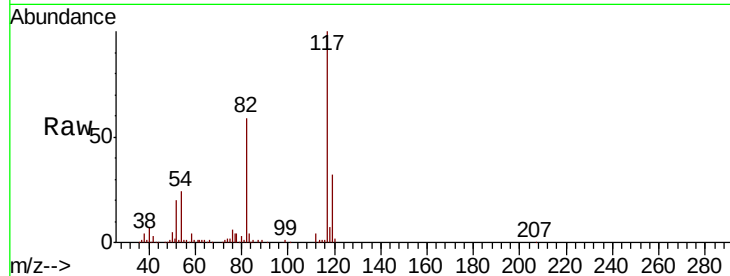




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

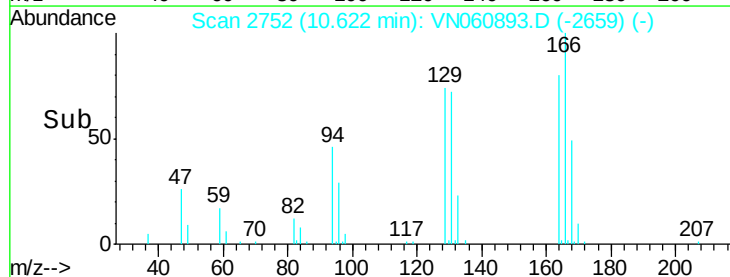
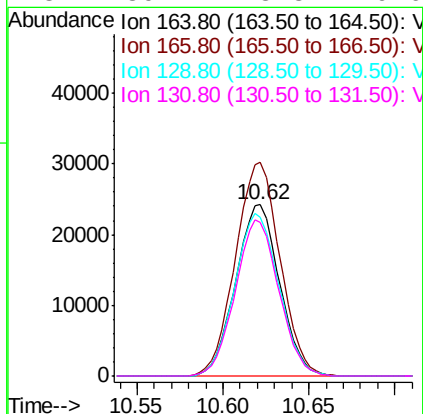
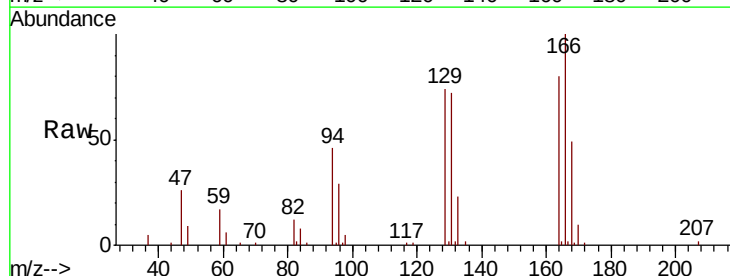
Instrument :
MSVOA_N
ClientSampled :

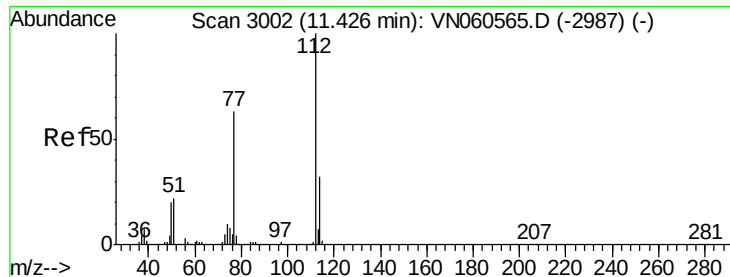
Tot Ion:117 Resp: 272842
Ion Ratio Lower Upper
117 100
82 58.6 46.7 70.1
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 20.005 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion:164 Resp: 42952
Ion Ratio Lower Upper
164 100
166 124.8 102.7 154.1
129 92.4 77.2 115.8
131 89.7 73.8 110.6

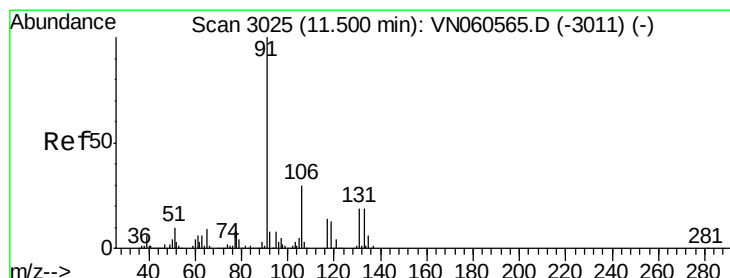
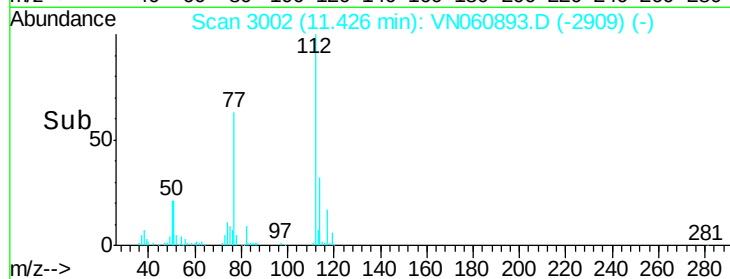
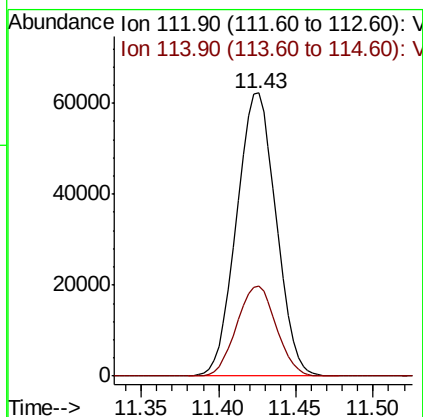
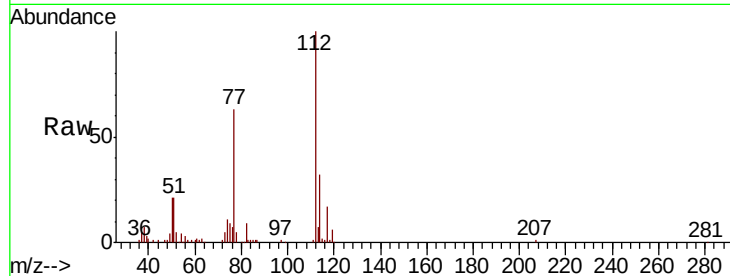




#65
Chlorobenzene
Concen: 20.454 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

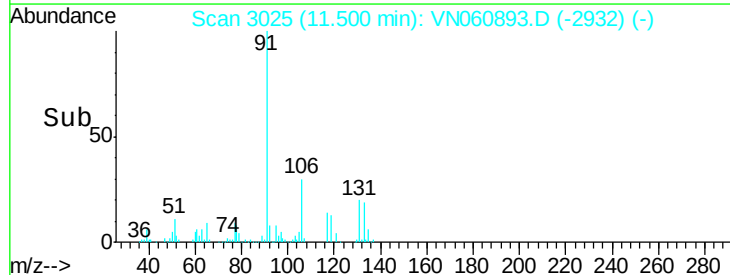
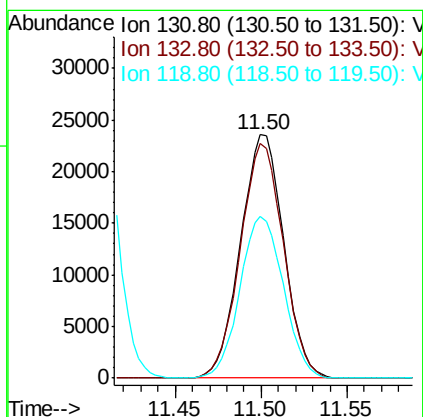
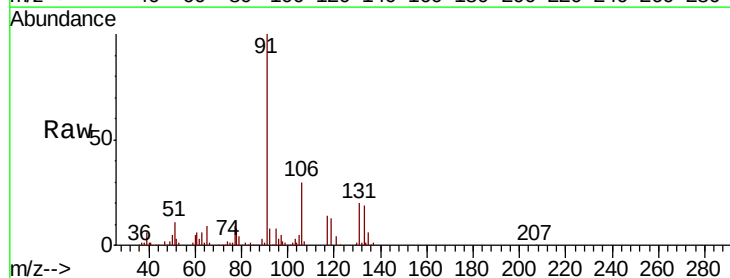
Instrument :
MSVOA_N
ClientSampleId :

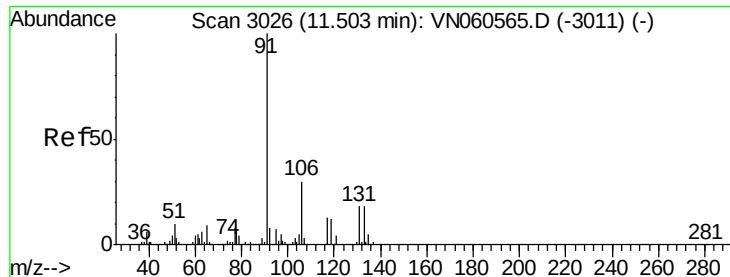
Tot Ion:112 Resp: 110633
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.970 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion:131 Resp: 41066
Ion Ratio Lower Upper
131 100
133 96.2 48.9 146.8
119 66.7 33.9 101.7





#67

Ethyl Benzene

Concen: 20.550 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

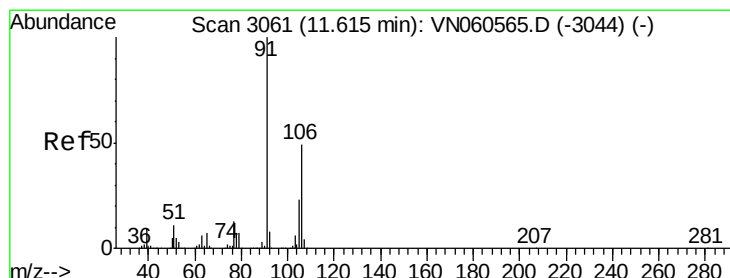
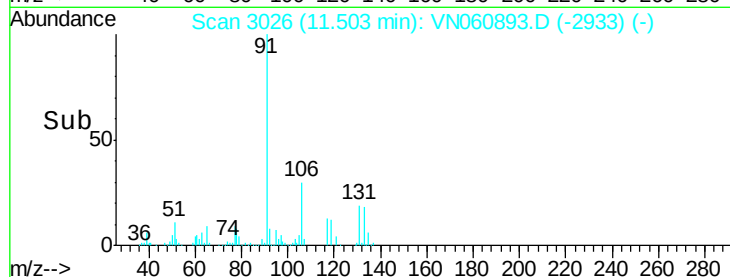
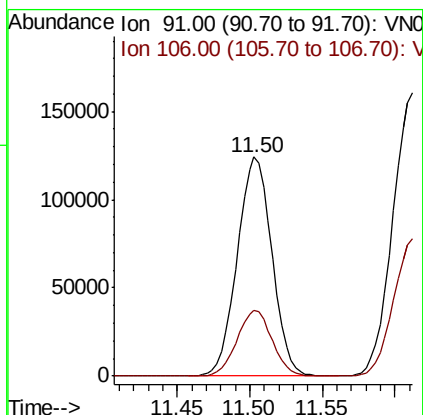
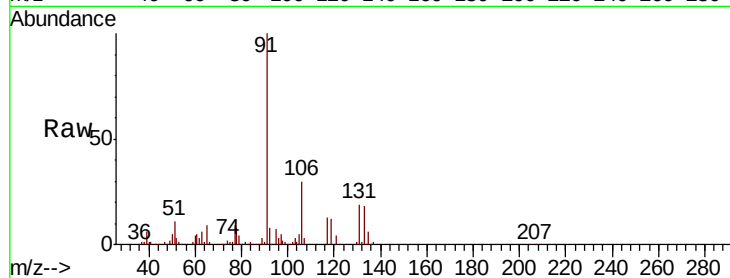
ClientSampled :

Tot Ion: 91 Resp: 206700

Ion Ratio Lower Upper

91 100

106 30.1 24.2 36.2



#68

m/p-Xylenes

Concen: 40.274 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060893.D

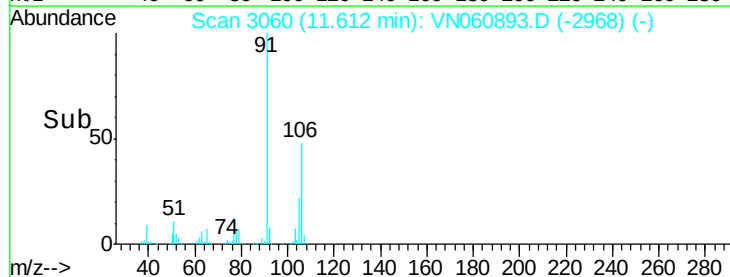
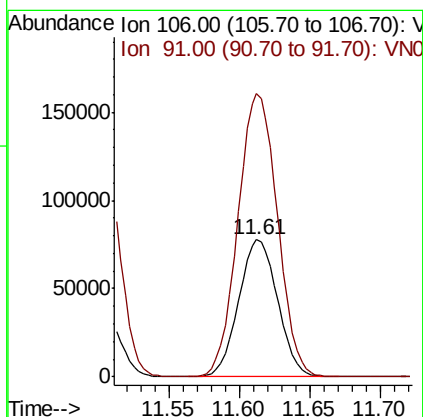
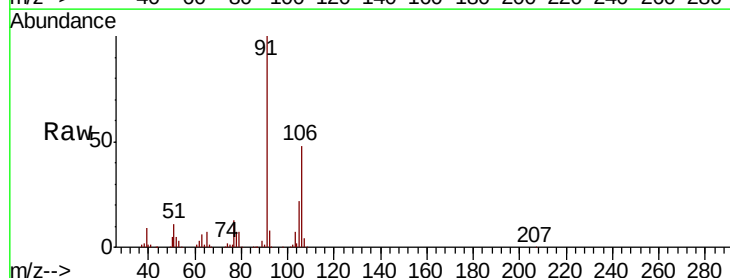
Acq: 8 Apr 2020 12:05

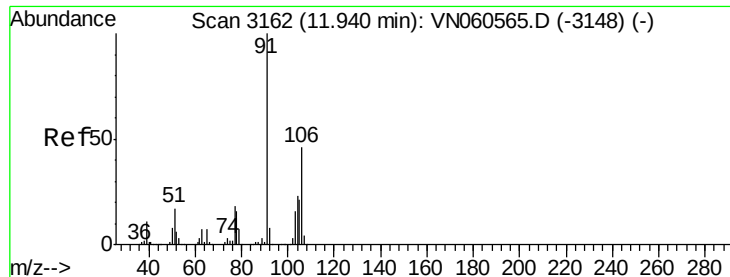
Tgt Ion: 106 Resp: 150538

Ion Ratio Lower Upper

106 100

91 209.2 165.0 247.4

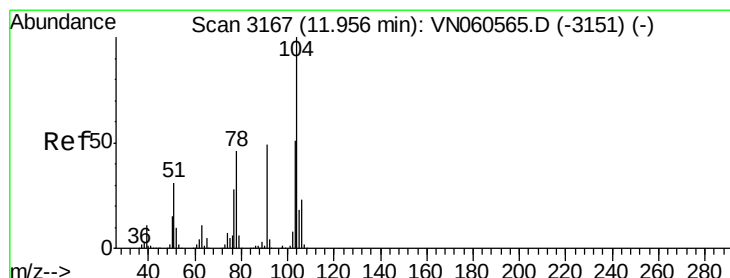
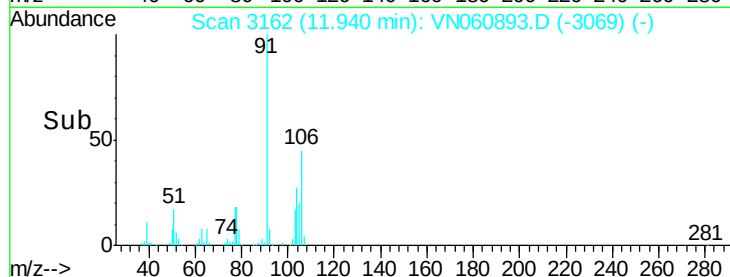
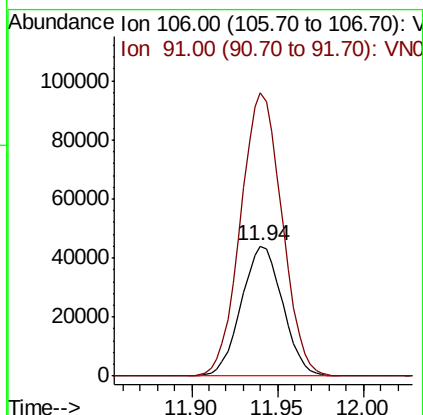
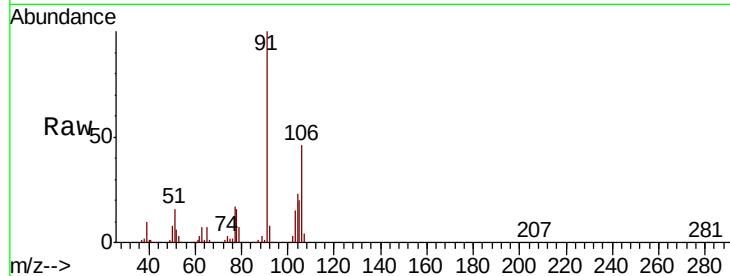




#69
o-Xylene
Concen: 20.585 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

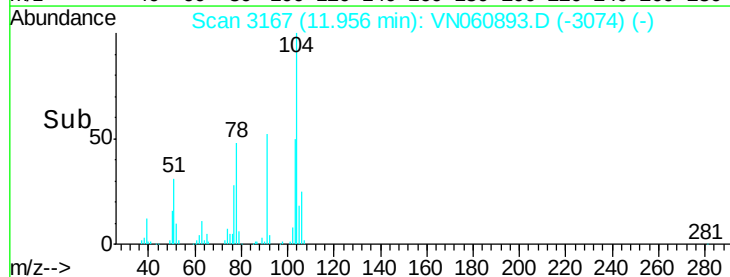
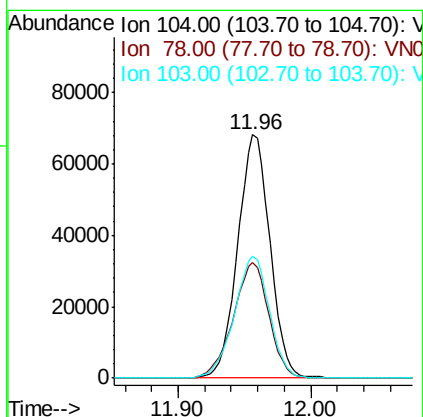
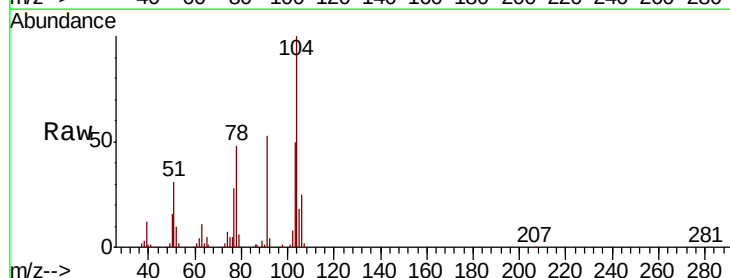
Instrument :
MSVOA_N
ClientSampled :

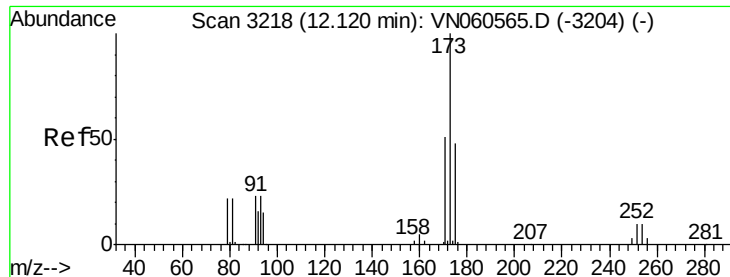
Tot Ion:106 Resp: 73450
Ion Ratio Lower Upper
106 100
91 218.7 109.5 328.4



#70
Styrene
Concen: 19.779 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion:104 Resp: 115423
Ion Ratio Lower Upper
104 100
78 52.2 41.2 61.8
103 54.1 44.0 66.0





#71

Bromoform

Concen: 19.099 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

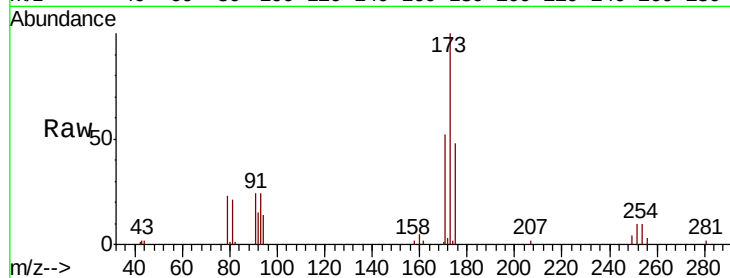
Tot Ion:173 Resp: 29338

Ion Ratio Lower Upper

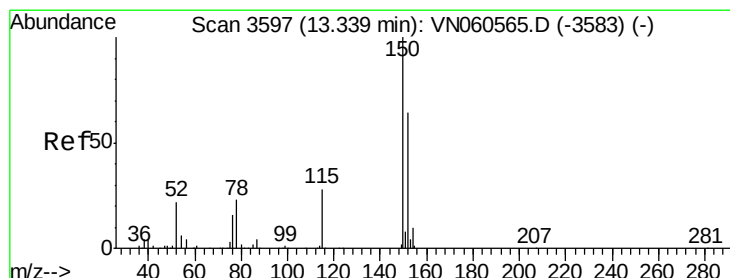
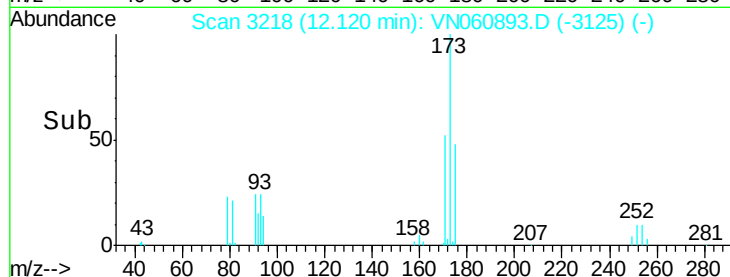
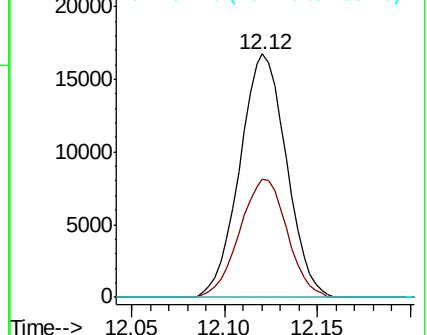
173 100

175 49.3 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: VN060893.D

Acq: 8 Apr 2020 12:05

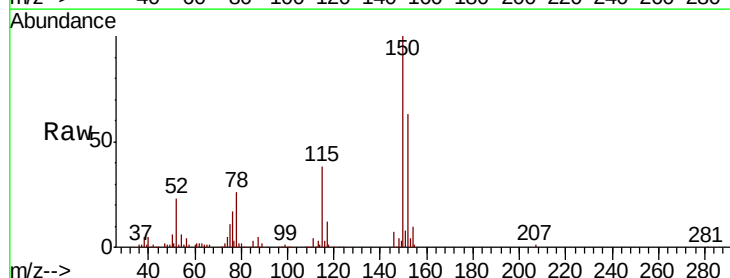
Tgt Ion:152 Resp: 128072

Ion Ratio Lower Upper

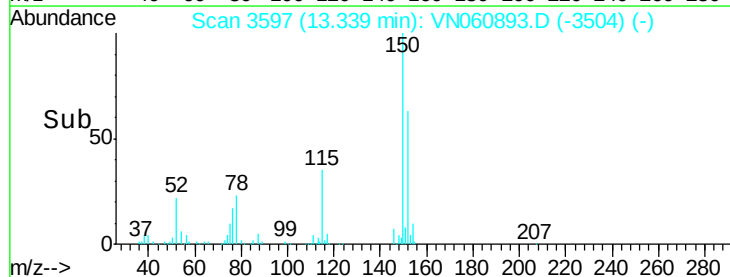
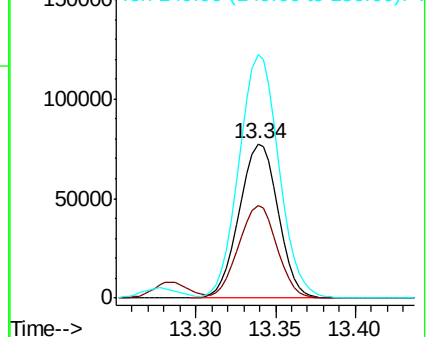
152 100

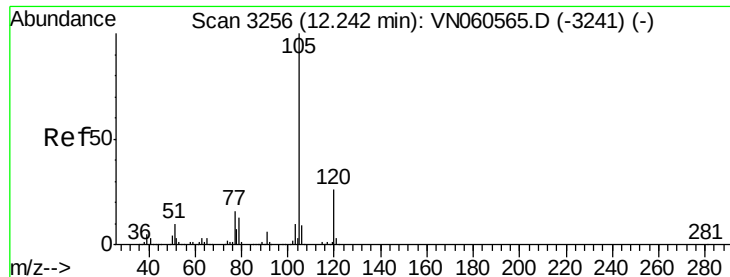
115 59.4 30.2 90.6

150 162.6 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.511 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

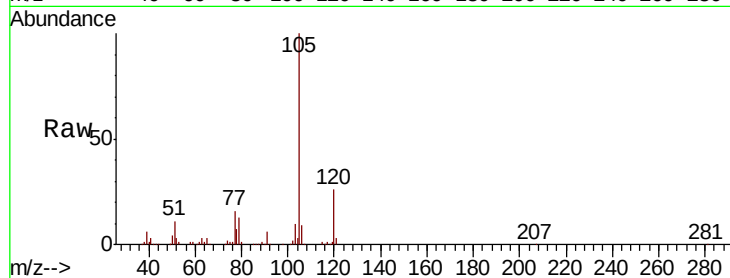
ClientSampleId :

Tot Ion:105 Resp: 197134

Ion Ratio Lower Upper

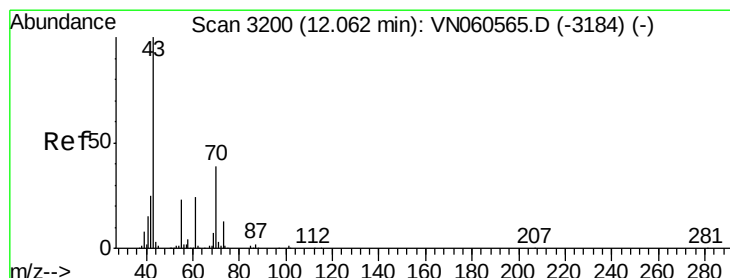
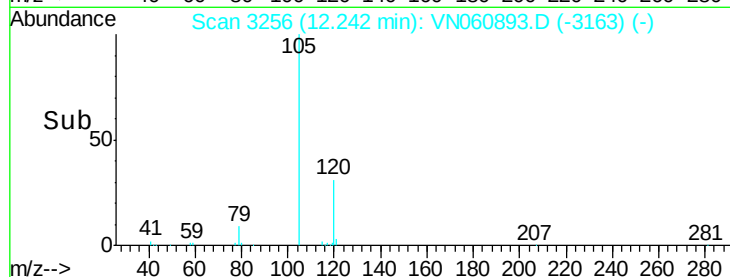
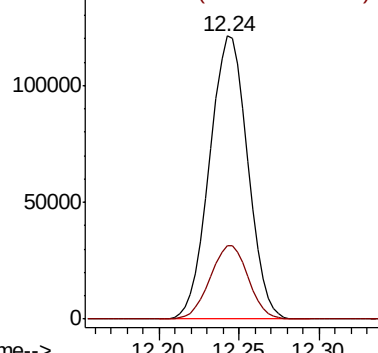
105 100

120 26.0 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: 18.779 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Tgt Ion: 43 Resp: 83401

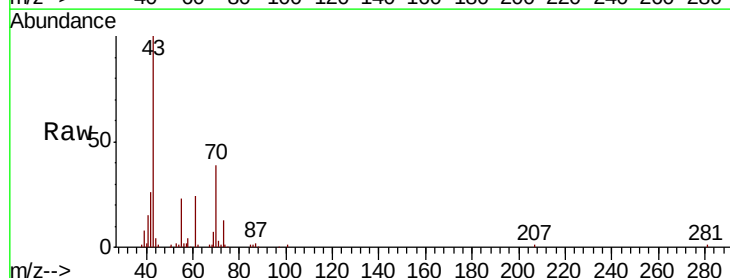
Ion Ratio Lower Upper

43 100

70 39.4 31.1 46.7

55 23.7 18.6 27.8

61 23.1 18.9 28.3

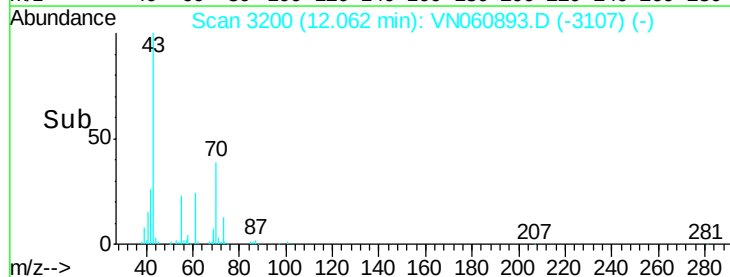
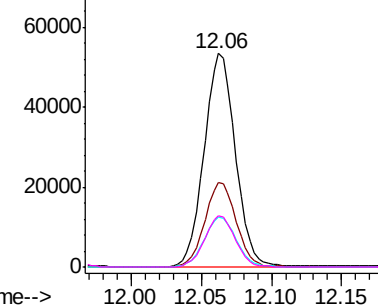


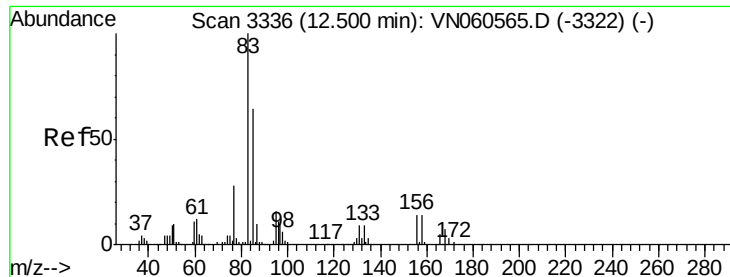
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 20.132 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

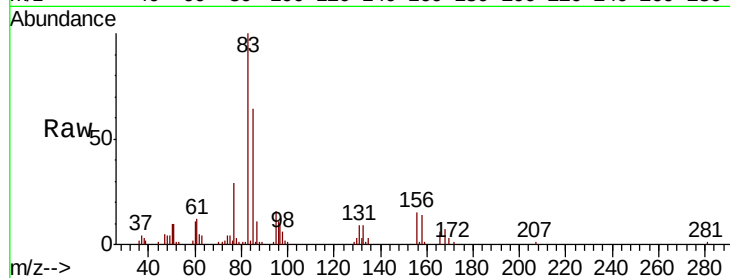
Tot Ion: 83 Resp: 58513

Ion Ratio Lower Upper

83 100

131 9.3 4.9 14.7

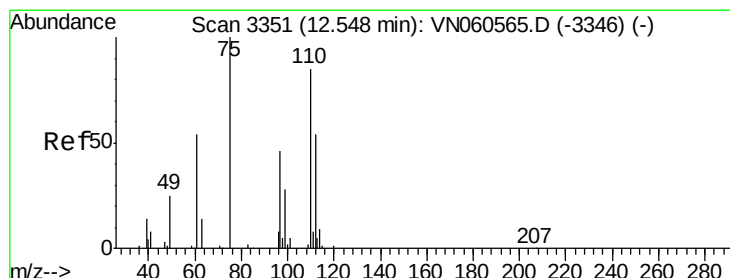
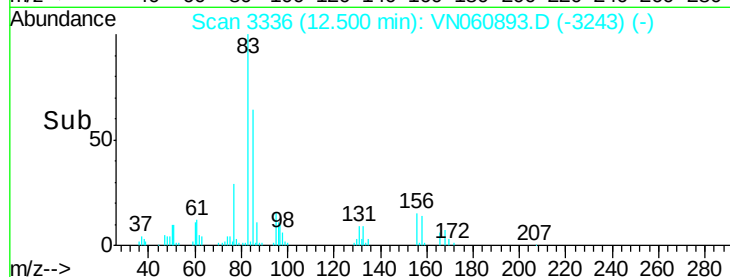
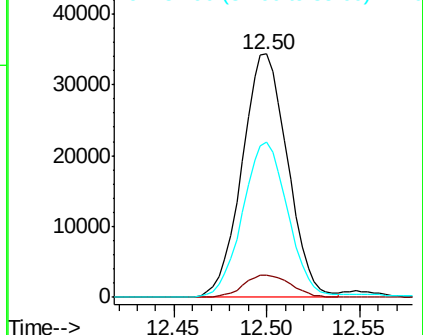
85 63.1 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.881 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060893.D

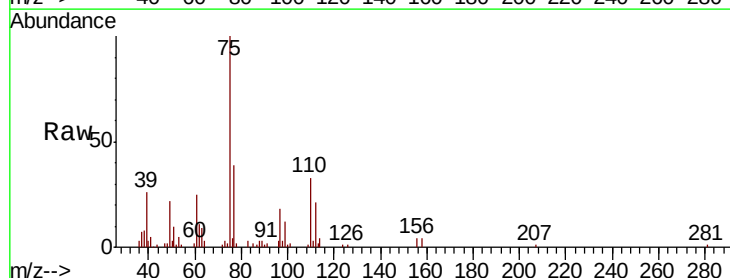
Acq: 8 Apr 2020 12:05

Tgt Ion: 75 Resp: 77049

Ion Ratio Lower Upper

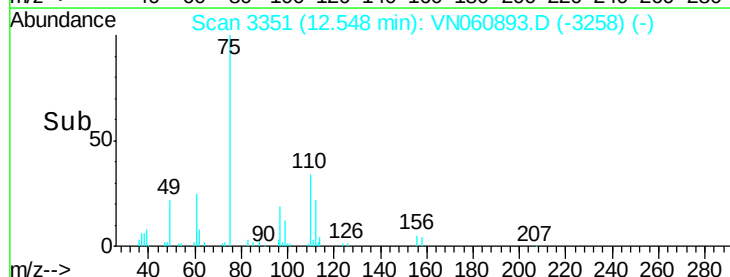
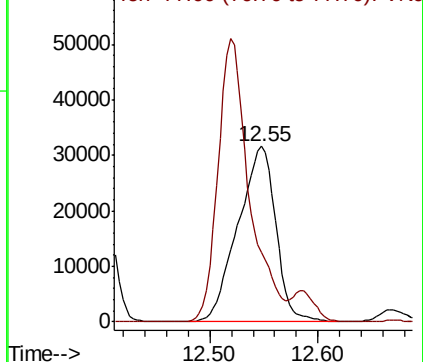
75 100

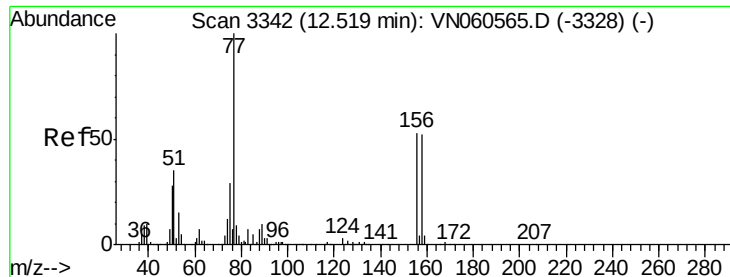
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.649 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

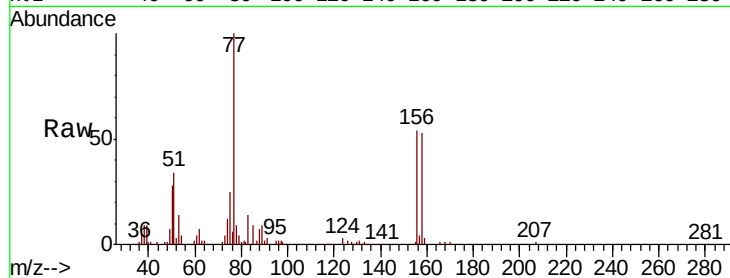
Tot Ion:156 Resp: 45507

Ion Ratio Lower Upper

156 100

77 226.8 112.3 337.0

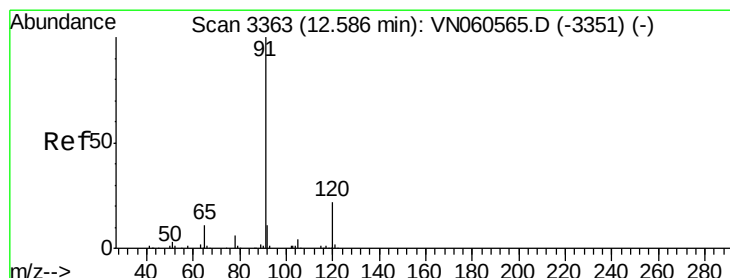
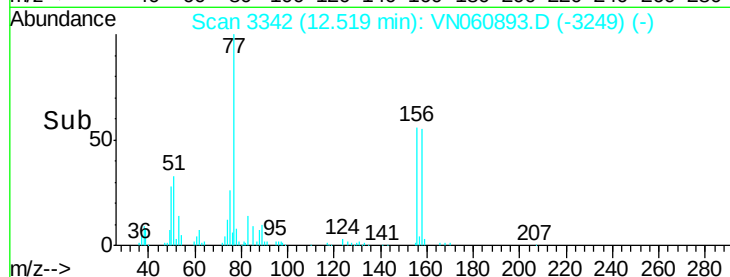
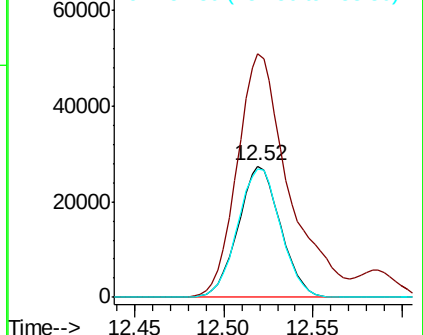
158 99.9 48.6 145.8



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: 20.505 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060893.D

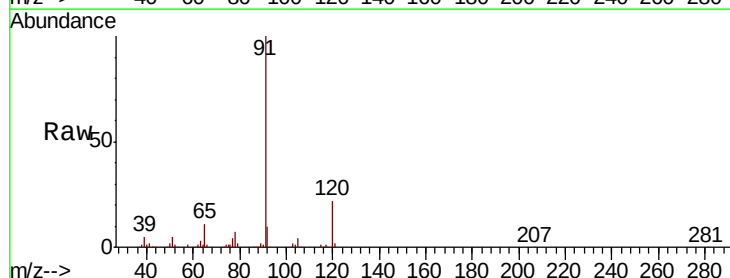
Acq: 8 Apr 2020 12:05

Tgt Ion: 91 Resp: 232839

Ion Ratio Lower Upper

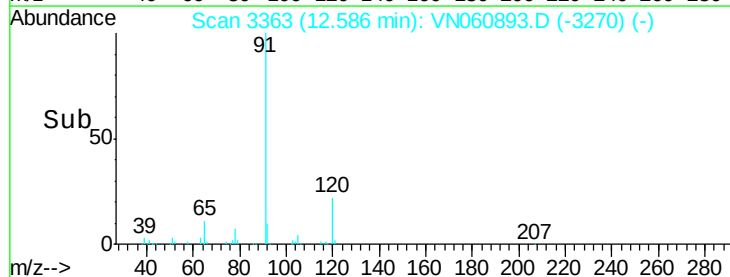
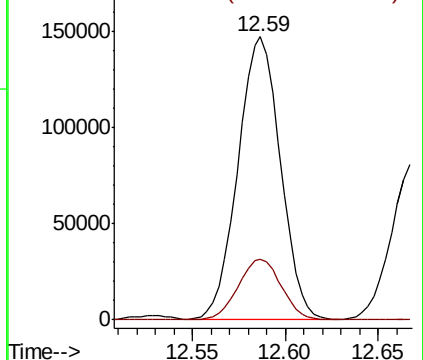
91 100

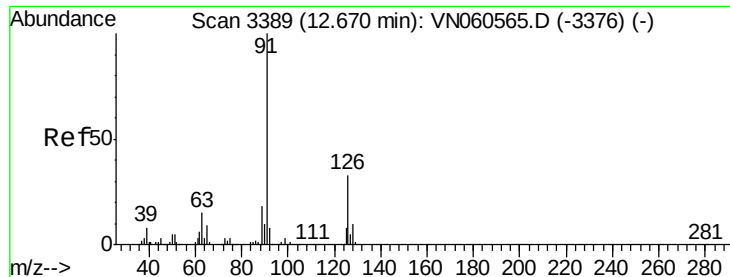
120 21.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

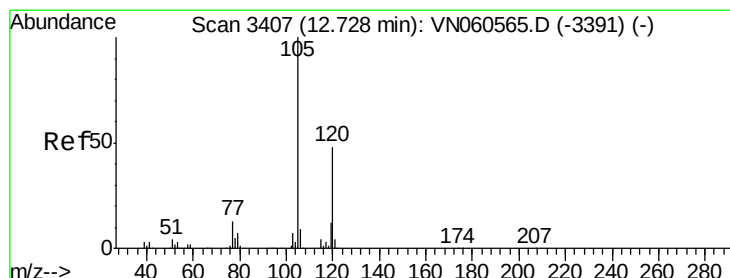
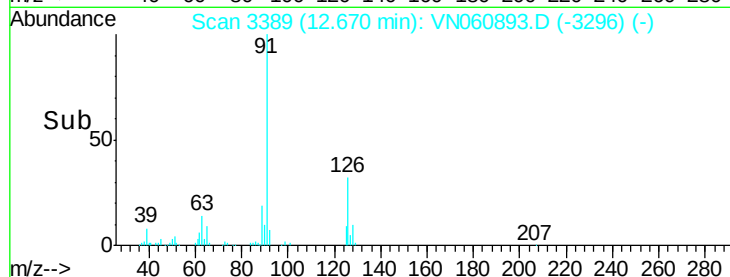
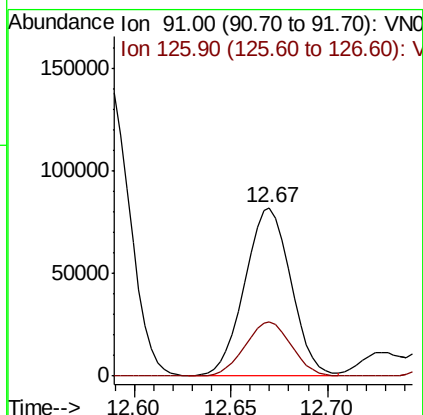
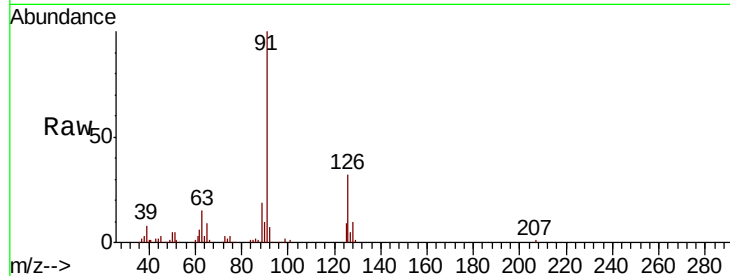




#79
 2-Chlorotoluene
 Concen: 20.074 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

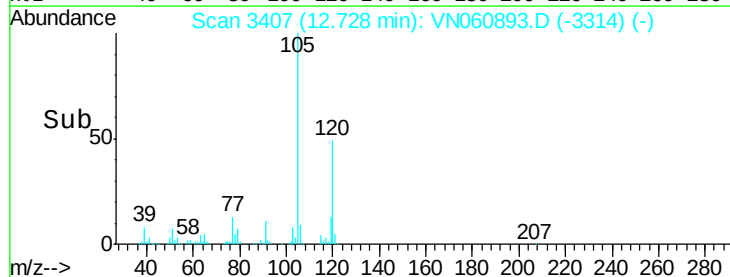
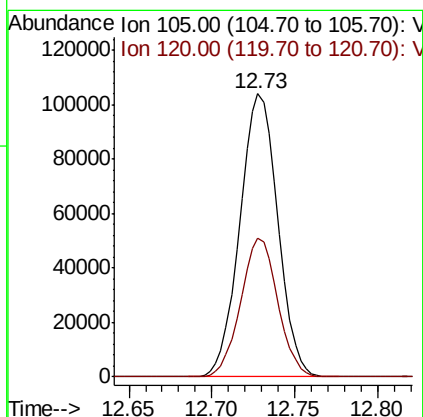
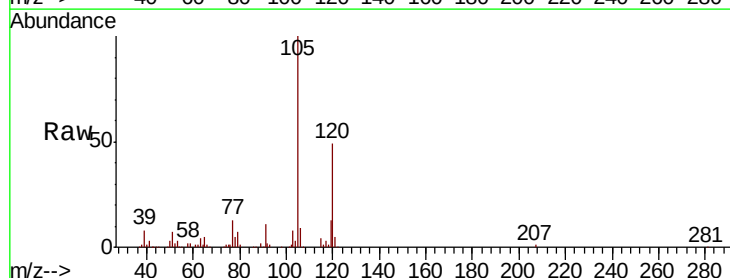
Instrument :
 MSVOA_N
 ClientSampleId :

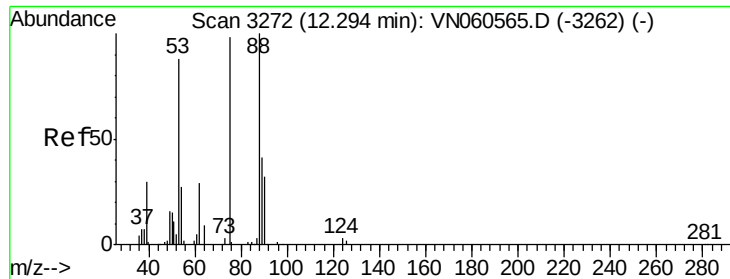
Tot Ion: 91 Resp: 136199
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.299 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Tgt Ion: 105 Resp: 165569
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.9 71.7

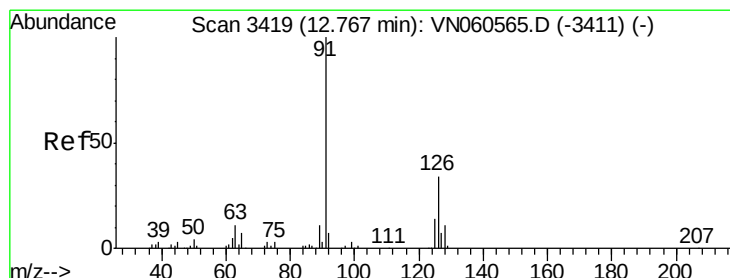
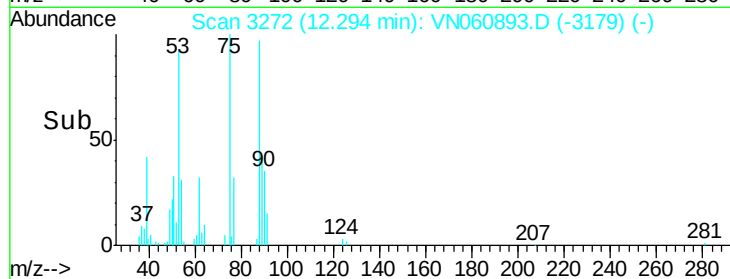
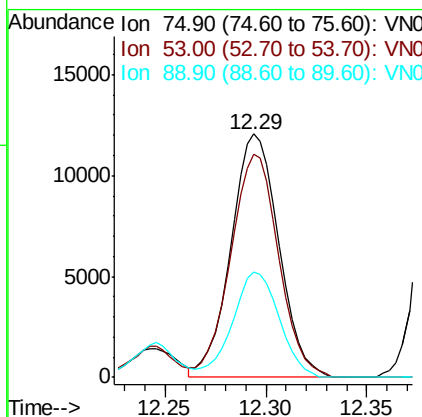
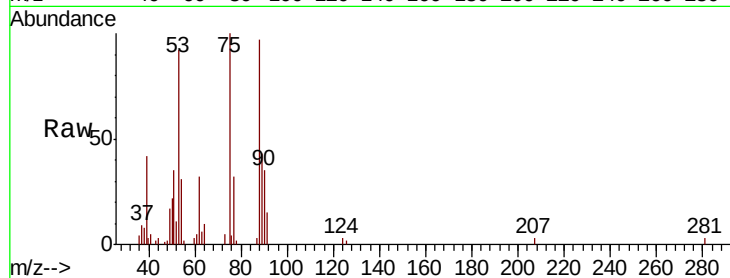




#81
trans-1,4-Dichloro-2-butene
Concen: 18.647 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

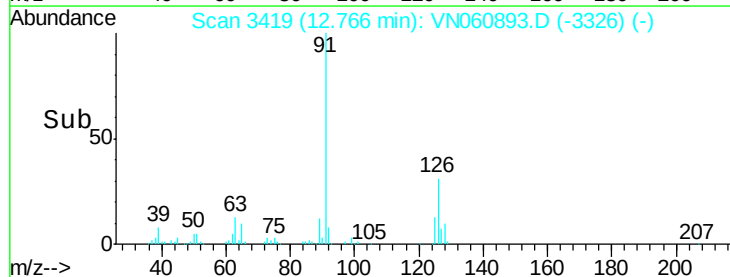
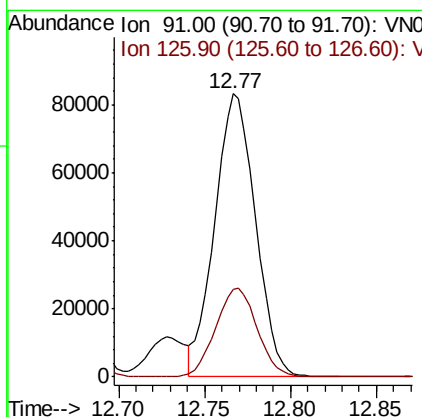
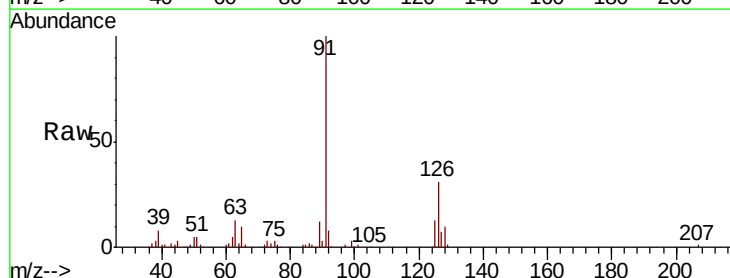
Instrument :
MSVOA_N
ClientSampleId :

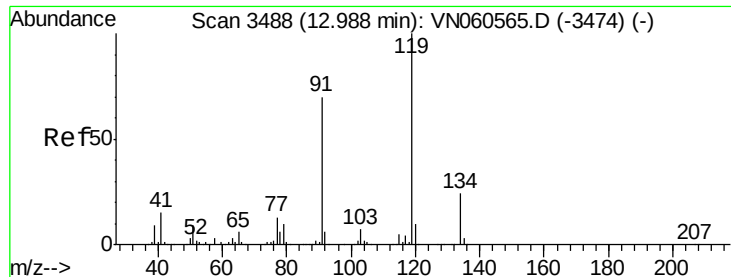
Tot Ion: 75 Resp: 20065
Ion Ratio Lower Upper
75 100
53 92.0 73.0 109.4
89 42.3 34.8 52.2



#82
4-Chlorotoluene
Concen: 19.847 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion: 91 Resp: 137148
Ion Ratio Lower Upper
91 100
126 32.0 16.2 48.5

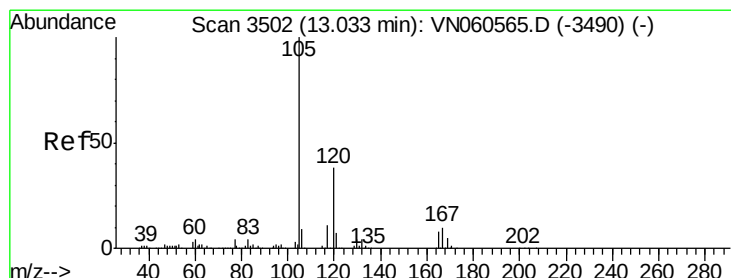
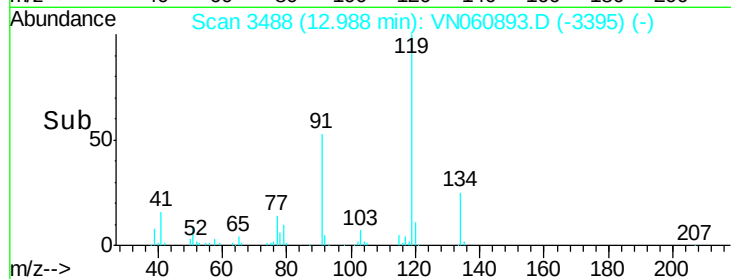
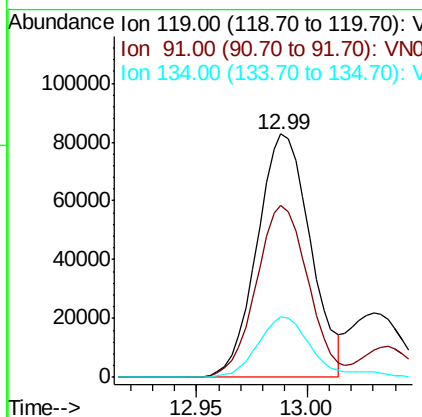
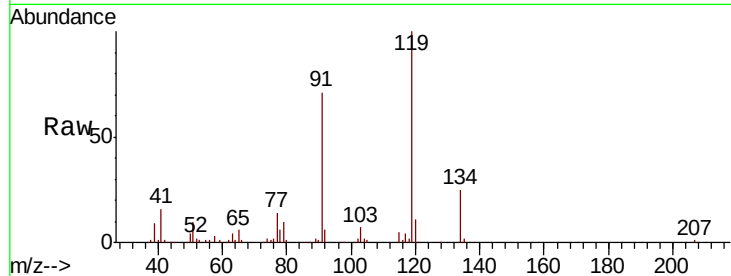




#83
tert-Butylbenzene
Concen: 20.460 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

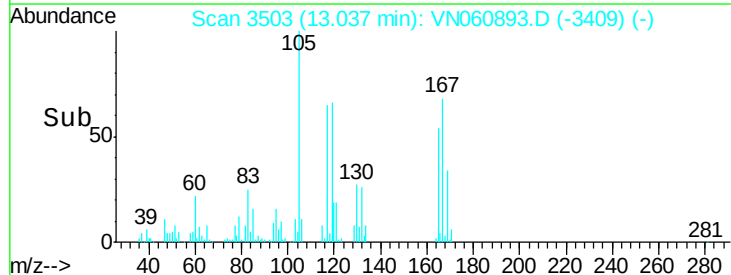
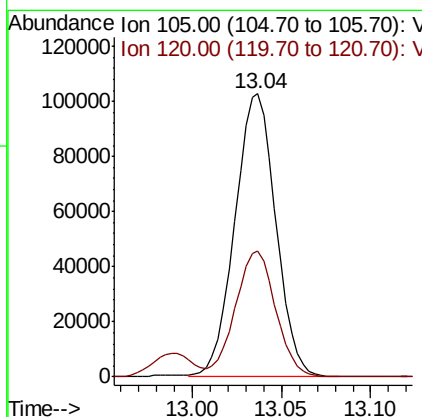
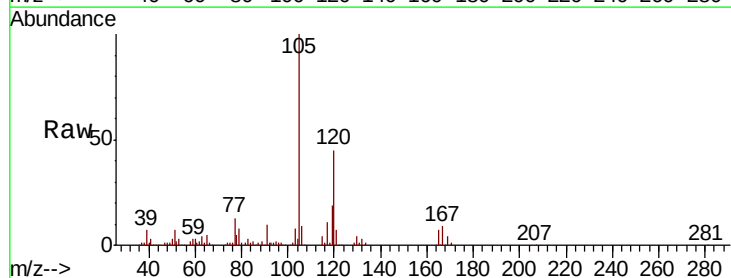
Instrument :
MSVOA_N
ClientSampled :

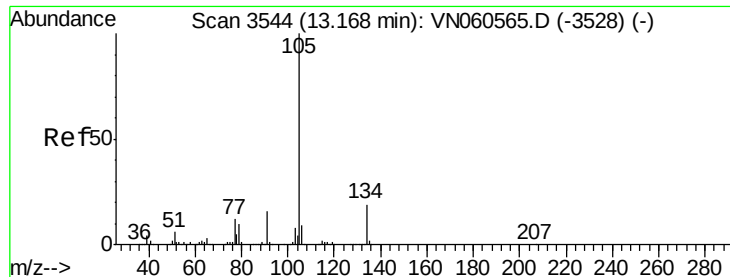
Tot Ion:119 Resp: 138340
Ion Ratio Lower Upper
119 100
91 69.0 34.0 101.8
134 25.5 12.7 38.0



#84
1,2,4-Trimethylbenzene
Concen: 20.401 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion:105 Resp: 164623
Ion Ratio Lower Upper
105 100
120 43.7 22.1 66.5





#85

sec-Butylbenzene

Concen: 20.914 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

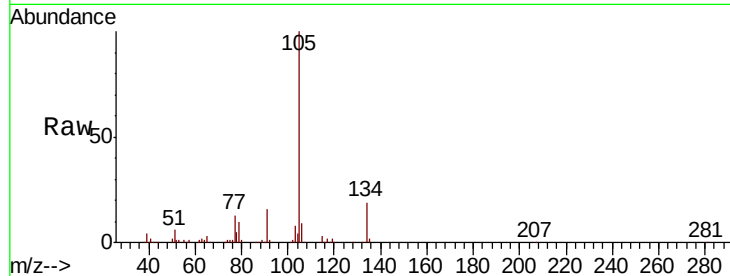
ClientSampleId :

Tot Ion:105 Resp: 190153

Ion Ratio Lower Upper

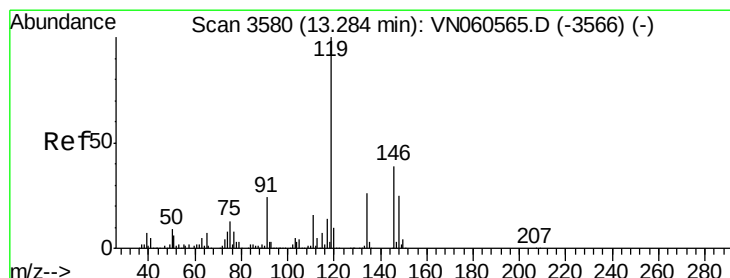
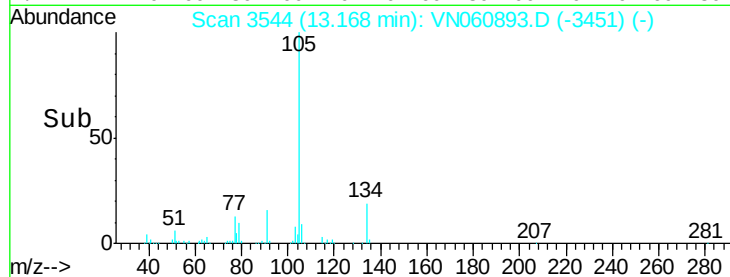
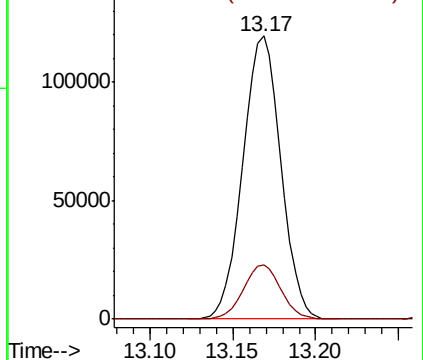
105 100

134 18.9 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: 20.642 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

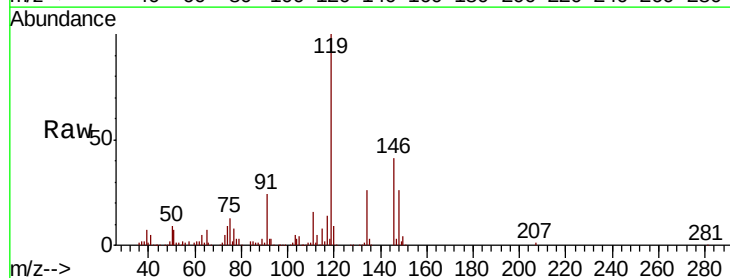
Tgt Ion:119 Resp: 168770

Ion Ratio Lower Upper

119 100

134 26.3 13.0 39.0

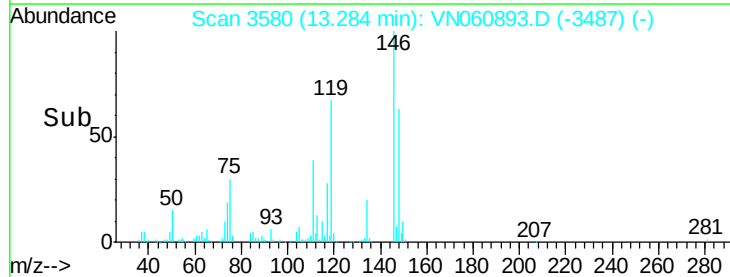
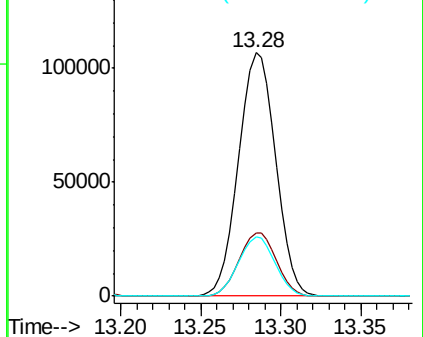
91 23.9 12.0 36.0

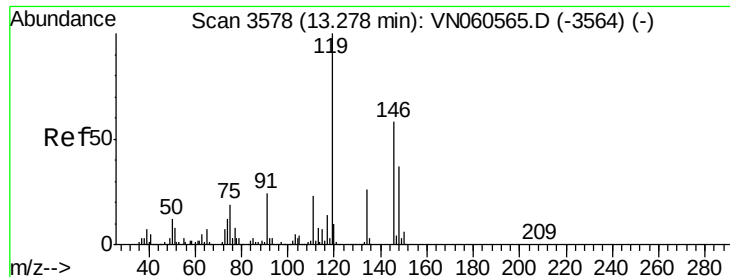


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.288 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

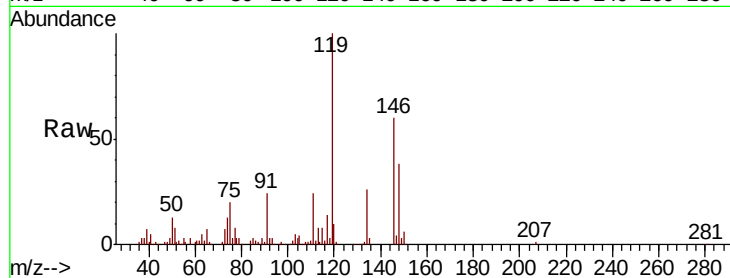
Tot Ion:146 Resp: 82870

Ion Ratio Lower Upper

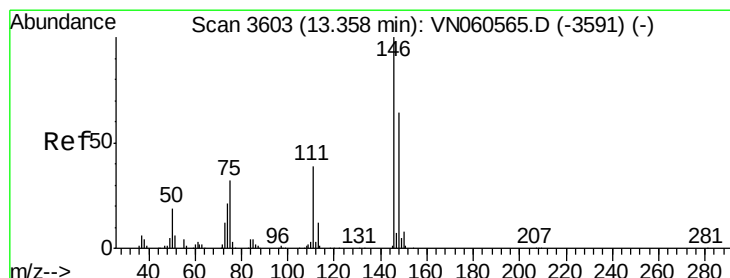
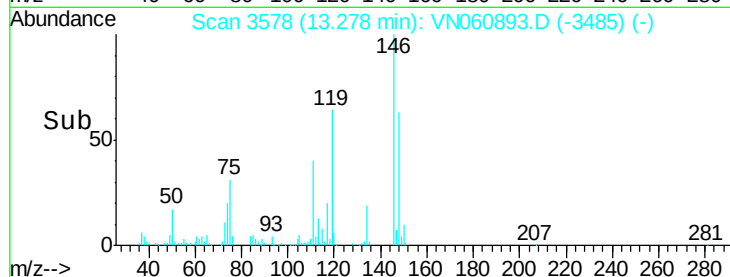
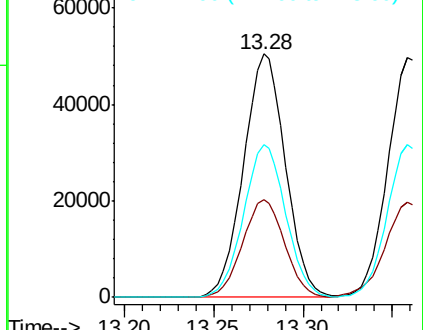
146 100

111 40.5 20.3 60.8

148 63.1 32.5 97.4



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



#88

1,4-Dichlorobenzene

Concen: 19.805 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

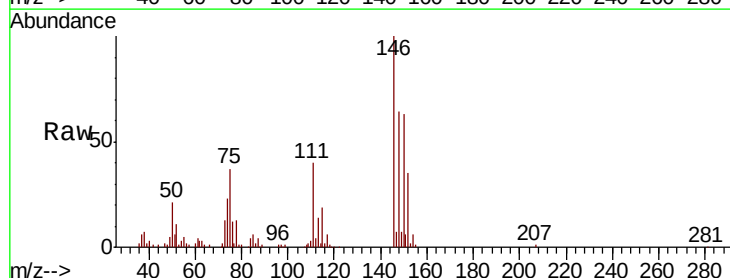
Tgt Ion:146 Resp: 81278

Ion Ratio Lower Upper

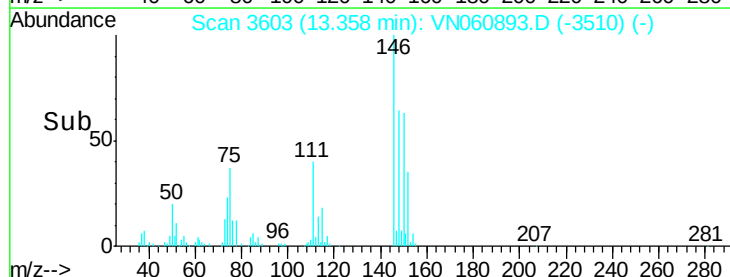
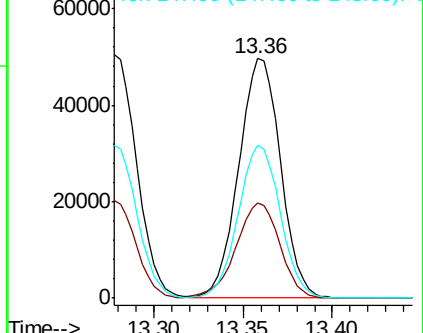
146 100

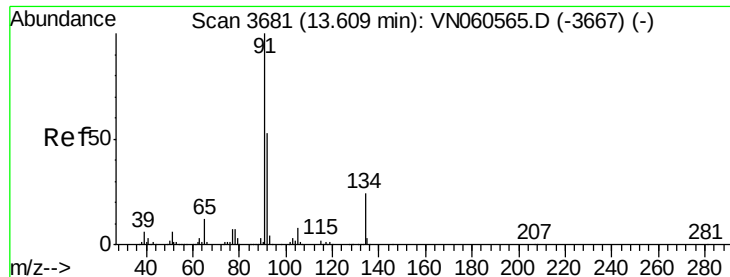
111 41.6 19.6 58.7

148 64.1 32.1 96.3



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





#89

n-Butylbenzene

Concen: 20.839 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

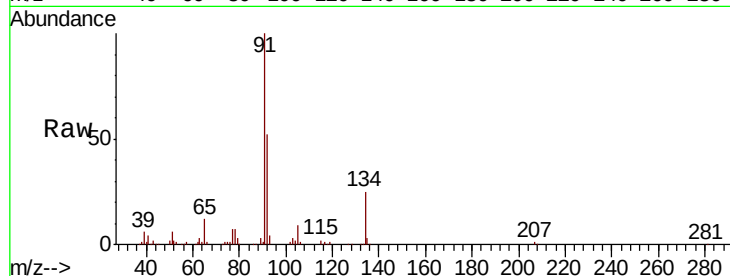
Tot Ion: 91 Resp: 153823

Ion Ratio Lower Upper

91 100

92 52.1 26.2 78.5

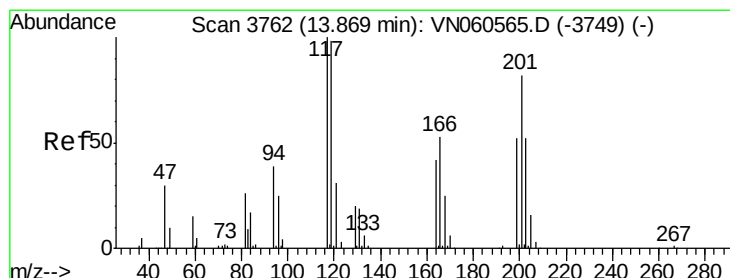
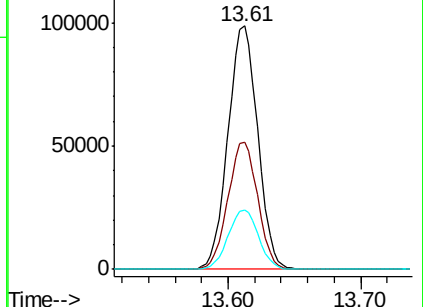
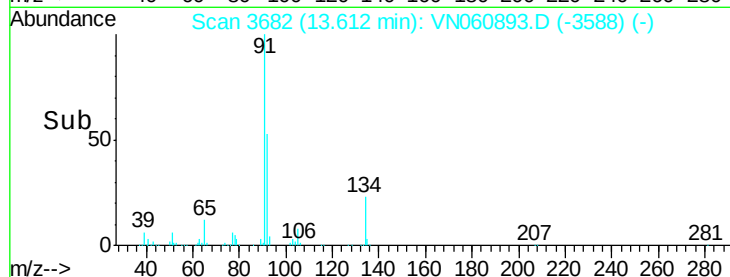
134 24.7 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN060893.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN060893.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN060893.D (-3667) (-)



#90

Hexachloroethane

Concen: 22.101 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060893.D

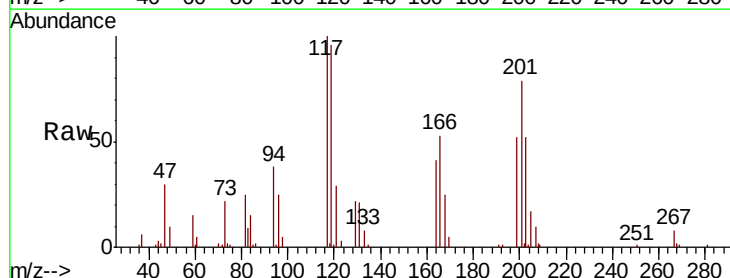
Acq: 8 Apr 2020 12:05

Tgt Ion: 117 Resp: 26266

Ion Ratio Lower Upper

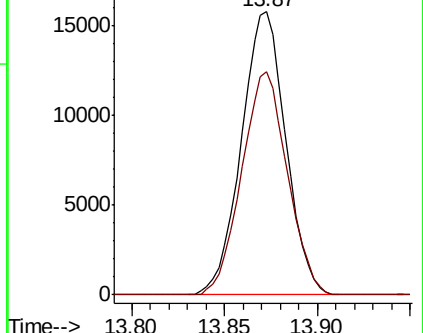
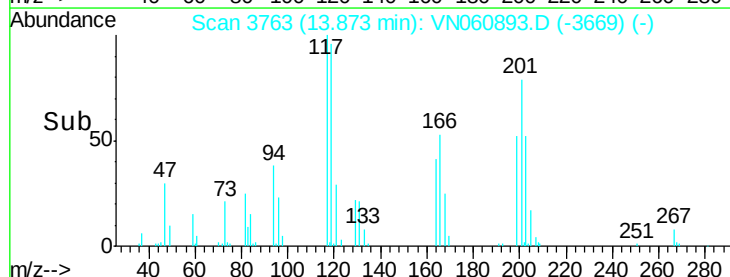
117 100

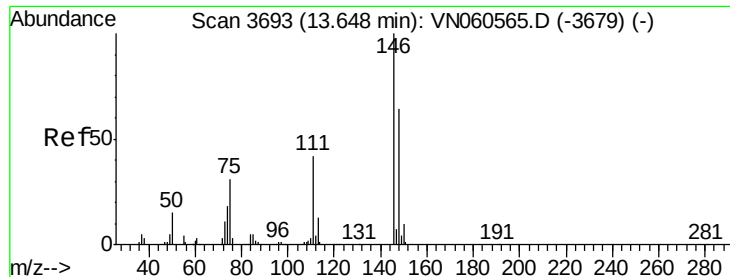
201 80.7 40.8 122.5



Abundance Ion 116.80 (116.50 to 117.50): VN060893.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060893.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 20.365 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

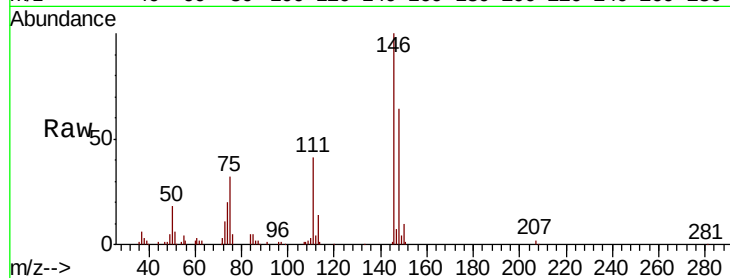
Tot Ion:146 Resp: 79541

Ion Ratio Lower Upper

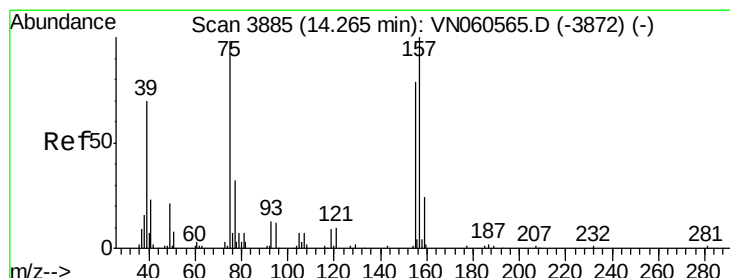
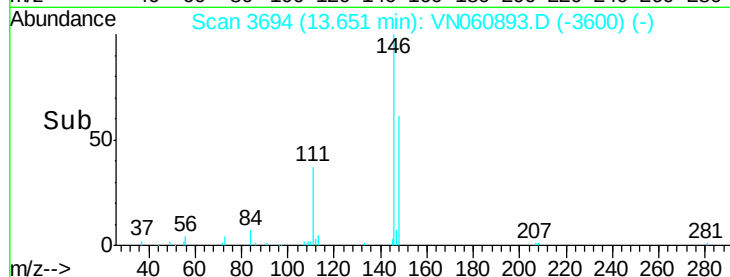
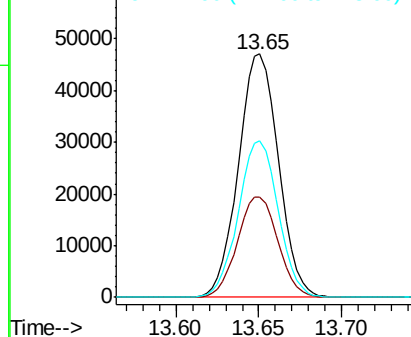
146 100

111 41.6 21.0 63.0

148 63.9 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: 17.068 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

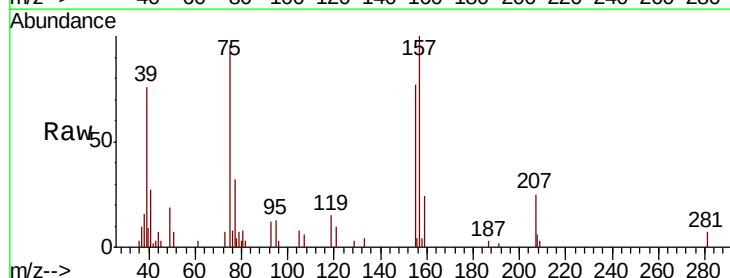
Tgt Ion: 75 Resp: 10498

Ion Ratio Lower Upper

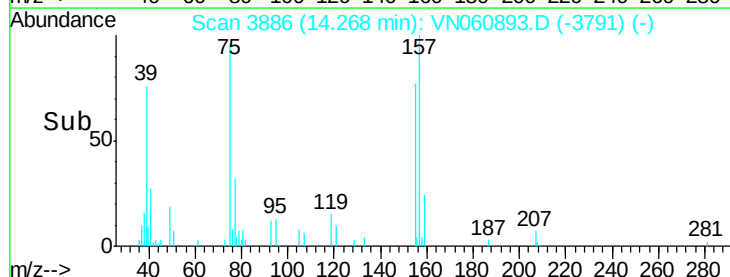
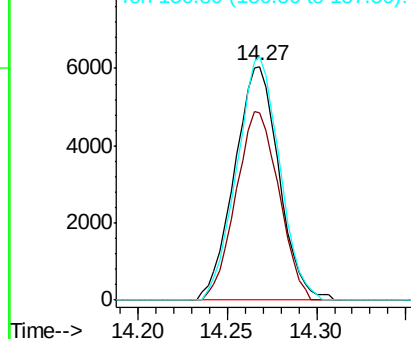
75 100

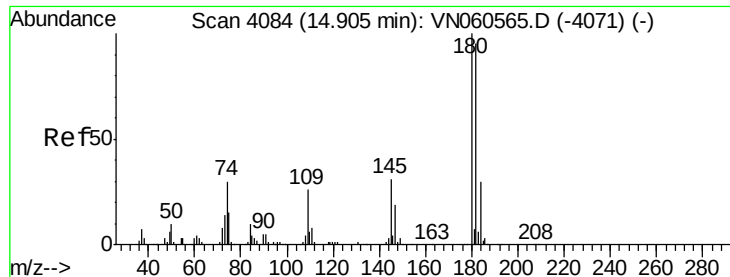
155 77.8 40.7 122.1

157 100.2 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: 19.402 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

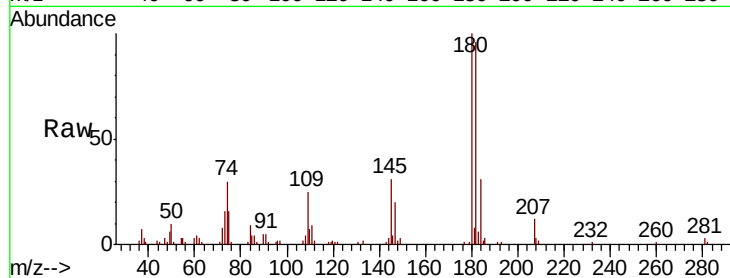
Tot Ion:180 Resp: 46536

Ion Ratio Lower Upper

180 100

182 96.7 47.9 143.8

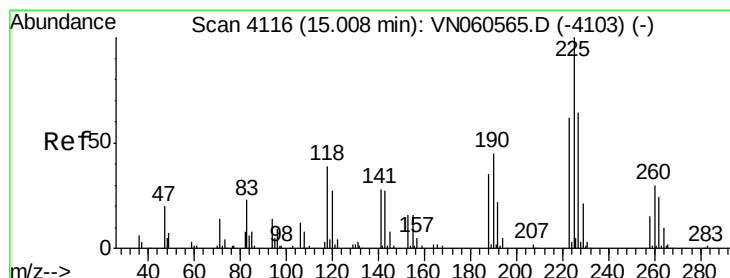
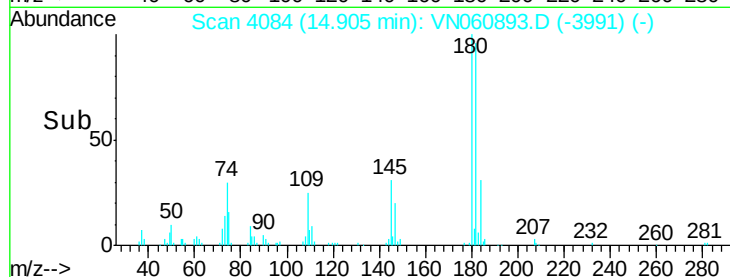
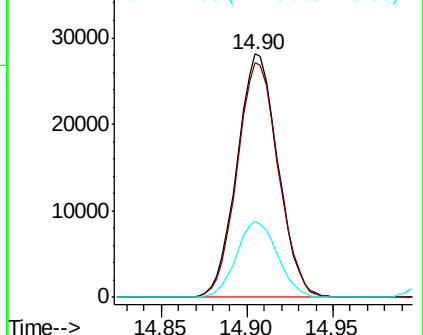
145 31.2 15.4 46.2



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: 22.022 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

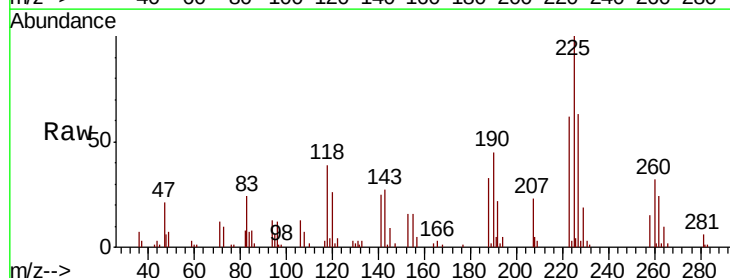
Tgt Ion:225 Resp: 25894

Ion Ratio Lower Upper

225 100

223 63.3 31.6 95.0

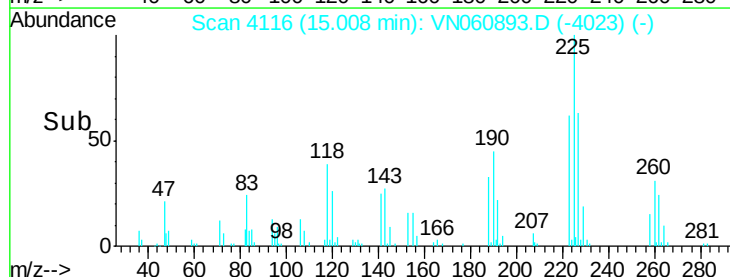
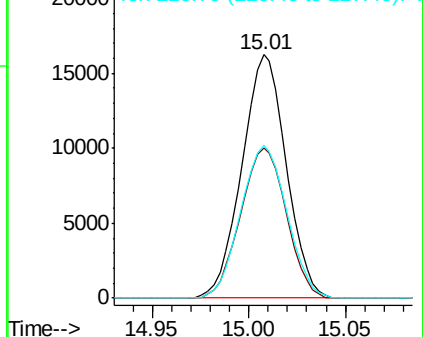
227 65.1 32.3 96.8

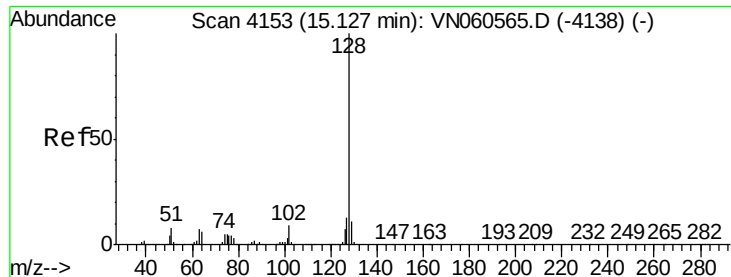


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

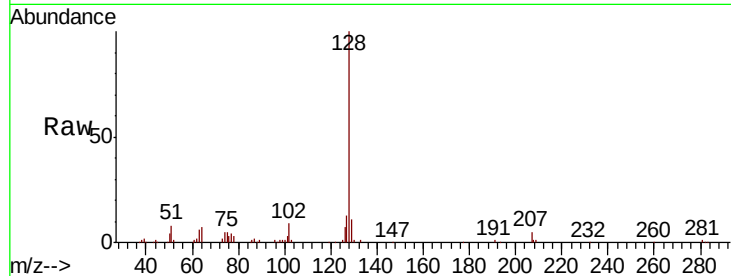




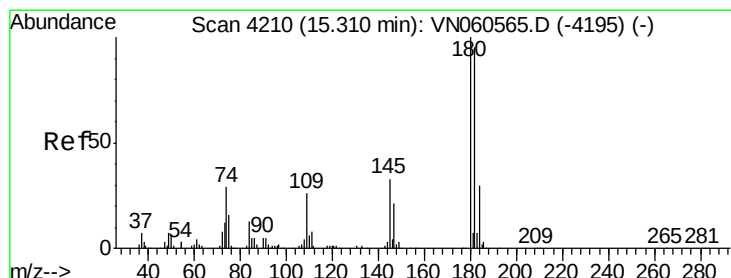
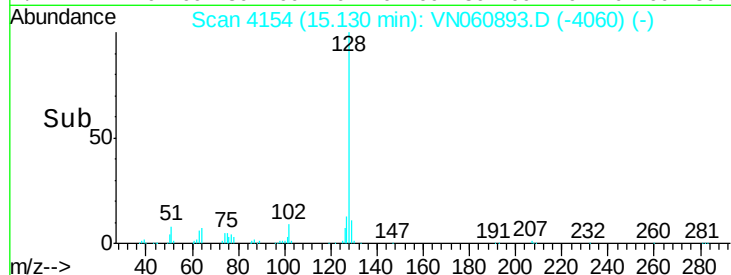
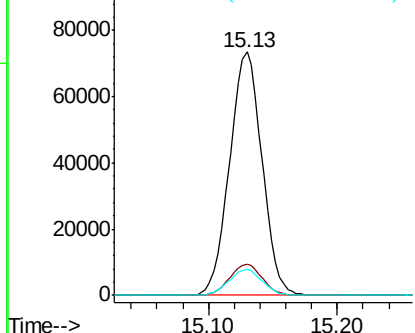
#95
Naphthalene
Concen: 17.775 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.8	13.2

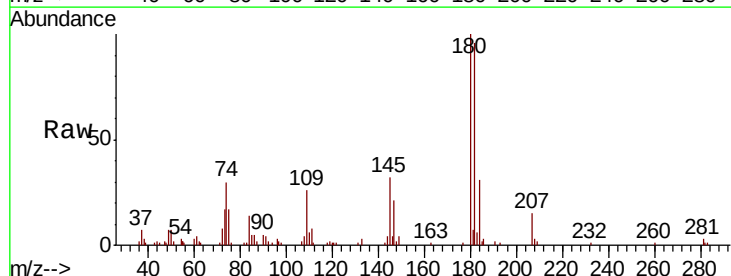


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.396 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.6
145	32.1	16.3	48.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

