

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061220\
 Data File : VN061781.D
 Acq On : 12 Jun 2020 11:09
 Operator : JC/MD
 Sample : VN0612WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

Quant Time: Jun 13 05:08:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	335628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	514795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	488908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	243358	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	182475	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	
35) Dibromofluoromethane	7.54	113	151165	57.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.78%	
50) Toluene-d8	10.06	98	631380	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.37	95	217955	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	60580	16.422	ug/l	96
3) Chloromethane	2.03	50	62714	15.320	ug/l	99
4) Vinyl Chloride	2.16	62	81856	14.592	ug/l	99
5) Bromomethane	2.53	94	55459	17.229	ug/l	99
6) Chloroethane	2.67	64	56040	15.520	ug/l	100
7) Trichlorofluoromethane	2.98	101	119513	16.521	ug/l	97
8) Diethyl Ether	3.37	74	34078	15.406	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.71	101	58555	18.241	ug/l	97
10) Methyl Iodide	3.91	142	76287	17.119	ug/l	99
11) Tert butyl alcohol	4.73	59	45640	85.808	ug/l	100
12) 1,1-Dichloroethene	3.69	96	54151	15.790	ug/l	94
13) Acrolein	3.56	56	7248	18.685	ug/l	97
14) Allyl chloride	4.27	41	63064	14.065	ug/l	97
15) Acrylonitrile	4.92	53	114213	76.932	ug/l	98
16) Acetone	3.77	43	96985	83.883	ug/l	97
17) Carbon Disulfide	4.01	76	117120	15.522	ug/l	96
18) Methyl Acetate	4.28	43	57392	15.854	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	181325	15.513	ug/l	95
20) Methylene Chloride	4.50	84	62869	16.119	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	60280	15.586	ug/l	96
22) Diisopropyl ether	5.90	45	149908	15.170	ug/l	97
23) Vinyl Acetate	5.84	43	548565	69.649	ug/l	96
24) 1,1-Dichloroethane	5.79	63	99998	15.958	ug/l	99
25) 2-Butanone	6.78	43	138906	73.296	ug/l	98
26) 2,2-Dichloropropane	6.77	77	92244	16.083	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	72256	16.499	ug/l	97
28) Bromochloromethane	7.14	49	48172	19.630	ug/l	92
29) Tetrahydrofuran	7.17	42	88018	70.432	ug/l	94
30) Chloroform	7.33	83	116246	16.768	ug/l	98
31) Cyclohexane	7.61	56	82727	14.679	ug/l	97
32) 1,1,1-Trichloroethane	7.52	97	101701	16.100	ug/l	99
36) 1,1-Dichloropropene	7.75	75	78627	17.253	ug/l	98
37) Ethyl Acetate	6.88	43	60146	16.386	ug/l	96
38) Carbon Tetrachloride	7.73	117	80328	18.274	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
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Quant Time: Jun 13 05:08:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	87966	15.660	ug/l	99
40) Benzene	8.00	78	251829	17.909	ug/l	100
41) Methacrylonitrile	7.16	41	80896	48.103	ug/l #	8
42) 1,2-Dichloroethane	8.08	62	81481	17.309	ug/l	98
43) Isopropyl Acetate	8.12	43	100401	15.204	ug/l #	92
44) Trichloroethene	8.80	130	77419	17.915	ug/l	94
45) 1,2-Dichloropropane	9.08	63	60353	18.076	ug/l	99
46) Dibromomethane	9.17	93	45369	17.717	ug/l	97
47) Bromodichloromethane	9.37	83	91227	17.981	ug/l	98
48) Methyl methacrylate	9.17	41	42361	14.258	ug/l	94
49) 1,4-Dioxane	9.16	88	23713	515.185	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	290728	78.123	ug/l	98
52) Toluene	10.12	92	163797	17.847	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	92426	16.911	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	101445	17.263	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	67452	18.448	ug/l	96
56) Ethyl methacrylate	10.40	69	82127	16.079	ug/l	96
57) 1,3-Dichloropropane	10.68	76	104113	17.803	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	112689	51.627	ug/l	99
59) 2-Hexanone	10.72	43	203163	76.017	ug/l	98
60) Dibromochloromethane	10.87	129	73688	17.727	ug/l	99
61) 1,2-Dibromoethane	10.98	107	69560	18.241	ug/l	98
64) Tetrachloroethene	10.60	164	81168	17.637	ug/l	97
65) Chlorobenzene	11.41	112	182308	17.939	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	69957	18.487	ug/l	99
67) Ethyl Benzene	11.48	91	305101	17.370	ug/l	100
68) m/p-Xylenes	11.59	106	241800	34.719	ug/l	98
69) o-Xylene	11.92	106	113542	17.164	ug/l	98
70) Styrene	11.94	104	187741	17.138	ug/l	99
71) Bromoform	12.10	173	51315	17.599	ug/l #	97
73) Isopropylbenzene	12.22	105	299587	16.867	ug/l	100
74) N-amyl acetate	12.05	43	78713	14.072	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	84846	17.046	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	103458	23.379	ug/l #	100
77) Bromobenzene	12.50	156	80700	17.799	ug/l	95
78) n-propylbenzene	12.56	91	333385	16.813	ug/l	99
79) 2-Chlorotoluene	12.65	91	197308	16.687	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	250953	16.904	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	25312	14.628	ug/l	99
82) 4-Chlorotoluene	12.75	91	207189	16.657	ug/l	99
83) tert-Butylbenzene	12.97	119	211824	16.149	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	246242	16.696	ug/l	97
85) sec-Butylbenzene	13.15	105	278178	16.458	ug/l	98
86) p-Isopropyltoluene	13.27	119	258862	16.630	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	140801	17.537	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	140991	17.238	ug/l	99
89) n-Butylbenzene	13.59	91	203577	15.615	ug/l	99
90) Hexachloroethane	13.85	117	36600	21.262	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	134464	17.525	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	13522	13.321	ug/l	93

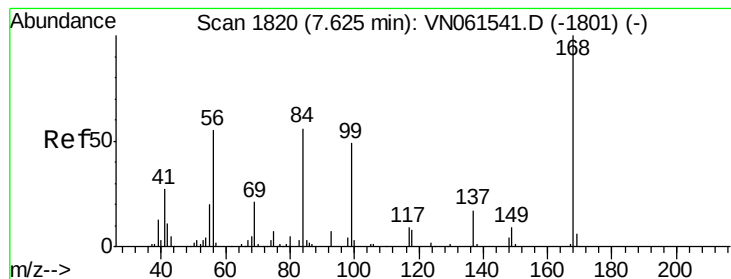
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061220\
Data File : VN061781.D
Acq On : 12 Jun 2020 11:09
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Sample : VN0612WBS01
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MSVOA_N
ClientSampleId :
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Quant Time: Jun 13 05:08:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	72018	16.050	ug/l	100
94) Hexachlorobutadiene	14.99	225	35473	18.536	ug/l	97
95) Naphthalene	15.10	128	194751	14.259	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	72212	16.368	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

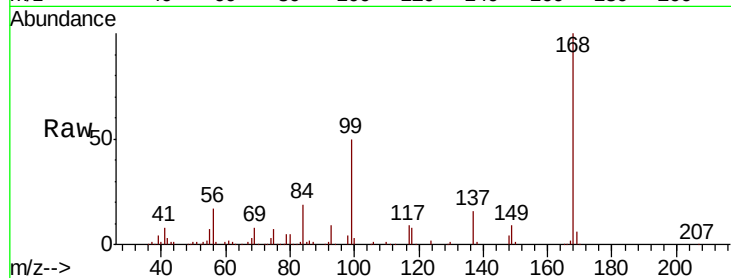
VN0612WBS01

Tot Ion:168 Resp: 335628

Ion Ratio Lower Upper

168 100

99 50.0 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

150000

100000

50000

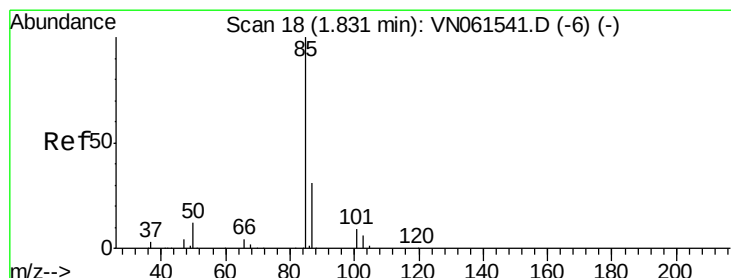
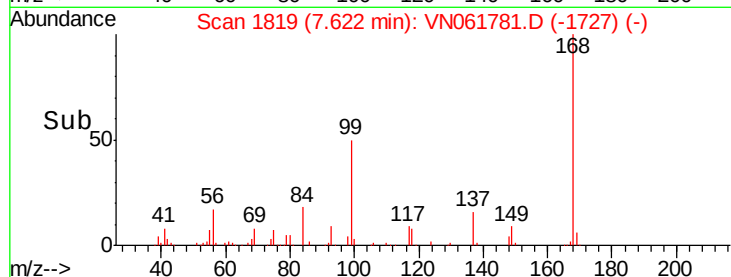
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 16.422 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061781.D

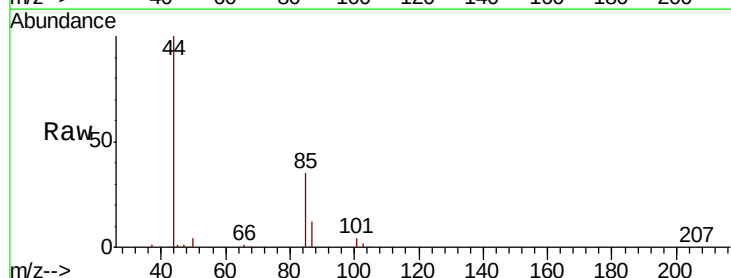
Acq: 12 Jun 2020 11:09

Tgt Ion: 85 Resp: 60580

Ion Ratio Lower Upper

85 100

87 33.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

30000

20000

10000

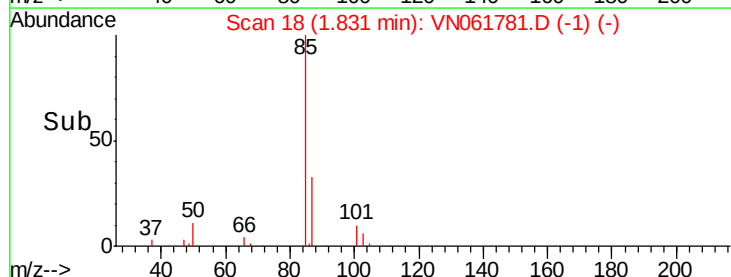
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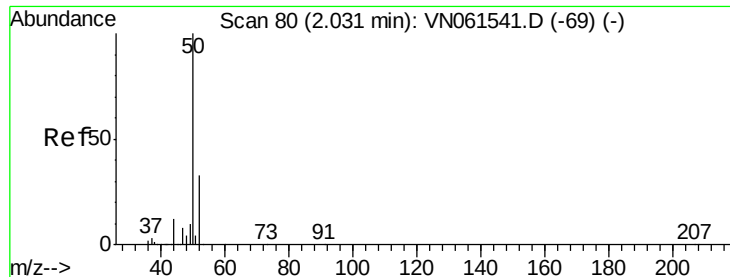
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 15.320 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampled :

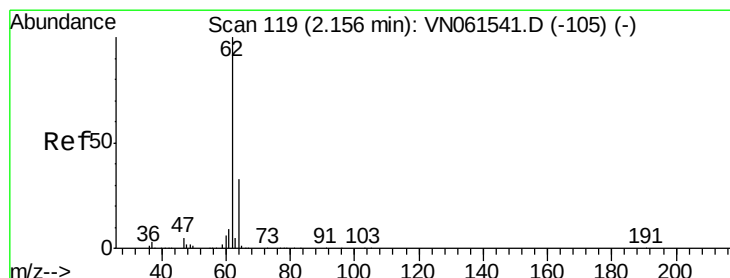
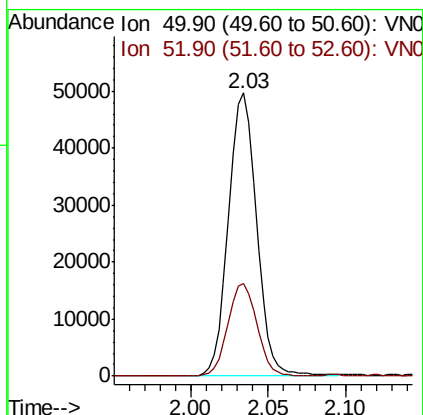
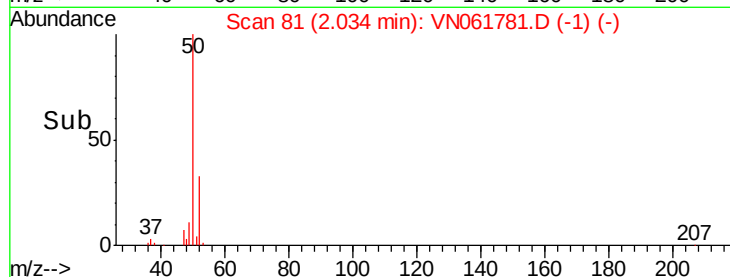
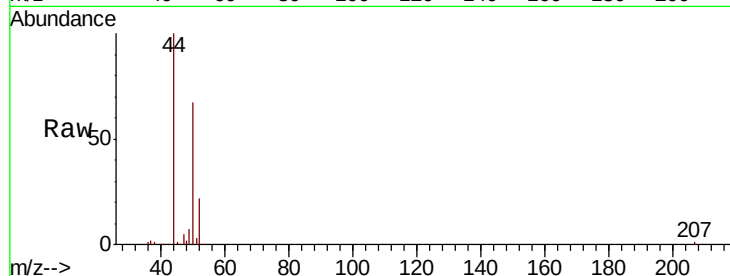
VN0612WBS01

Tot Ion: 50 Resp: 62714

Ion Ratio Lower Upper

50 100

52 32.6 26.7 40.1



#4

Vinyl Chloride

Concen: 14.592 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061781.D

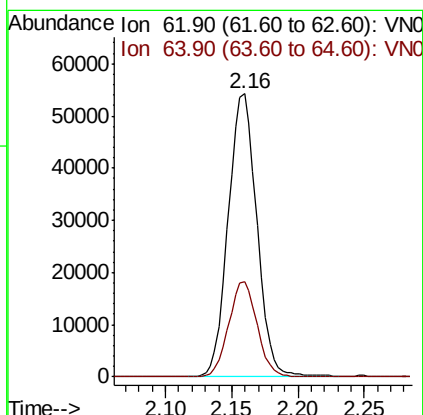
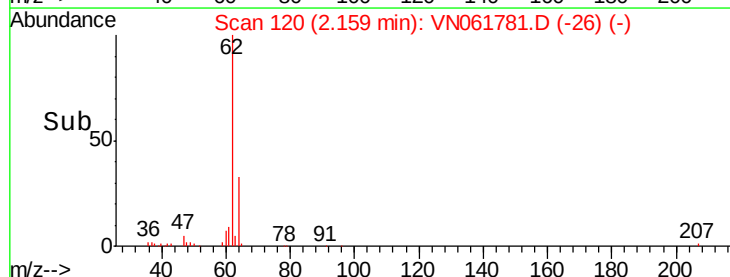
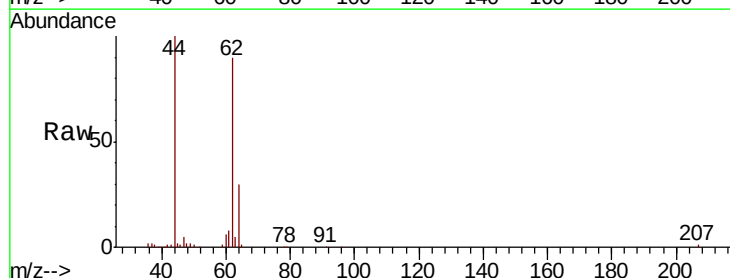
Acq: 12 Jun 2020 11:09

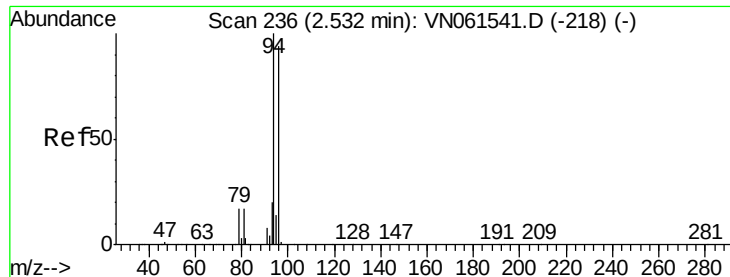
Tgt Ion: 62 Resp: 81856

Ion Ratio Lower Upper

62 100

64 33.5 26.2 39.2





#5

Bromomethane

Concen: 17.229 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

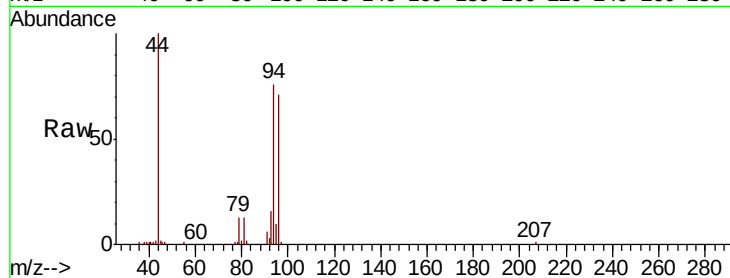
VN0612WBS01

Tot Ion: 94 Resp: 55459

Ion Ratio Lower Upper

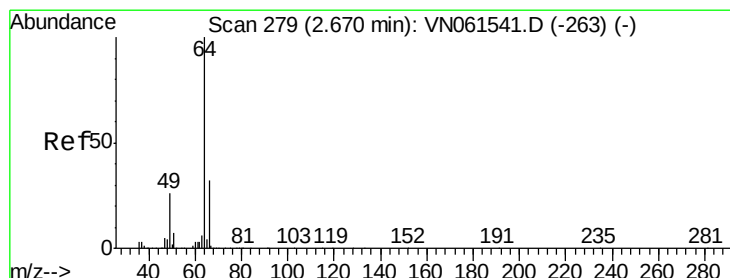
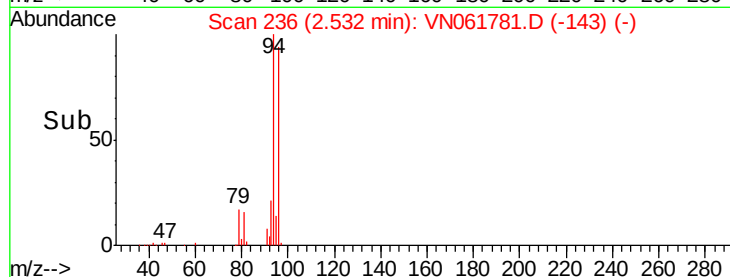
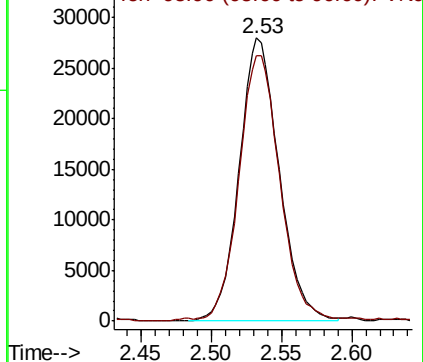
94 100

96 92.8 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 15.520 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061781.D

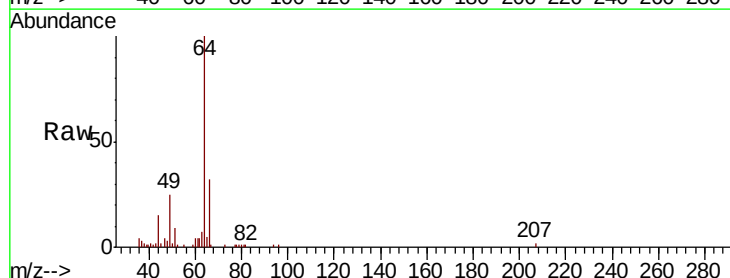
Acq: 12 Jun 2020 11:09

Tgt Ion: 64 Resp: 56040

Ion Ratio Lower Upper

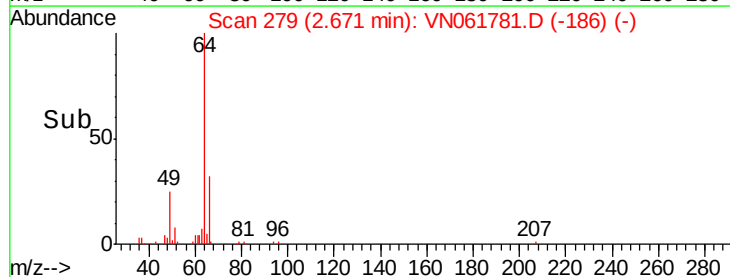
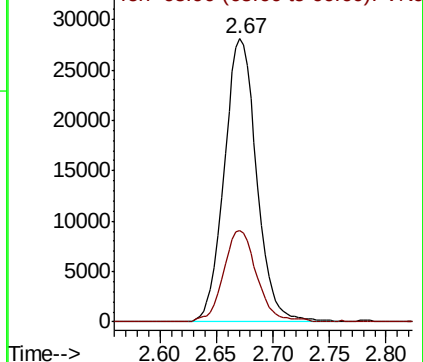
64 100

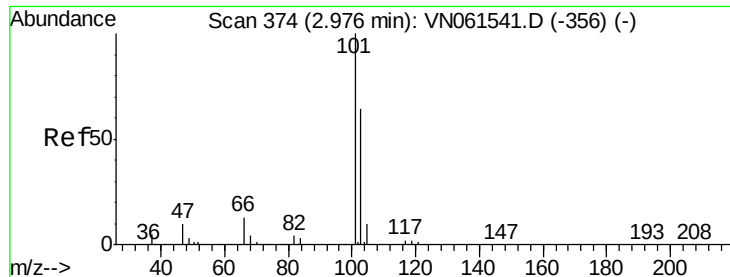
66 32.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



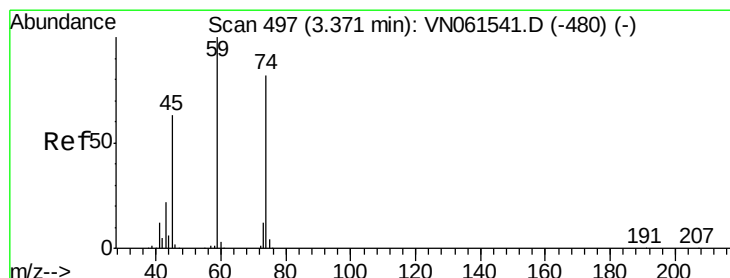
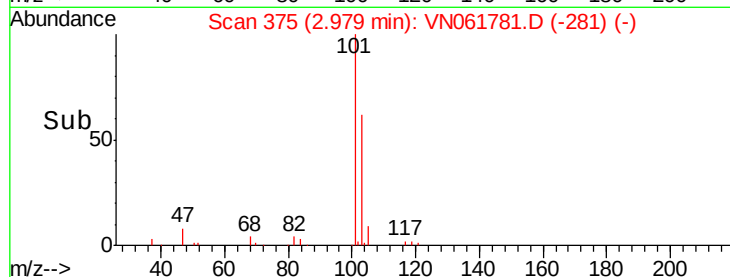
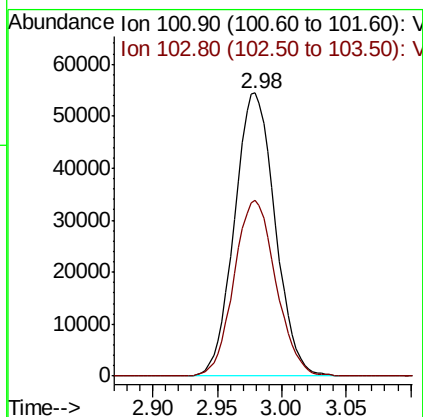
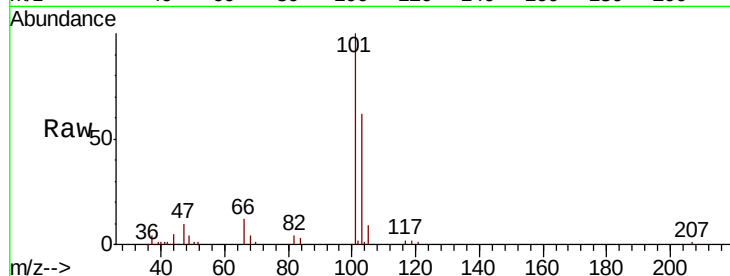


#7

Trichlorofluoromethane
Concen: 16.521 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

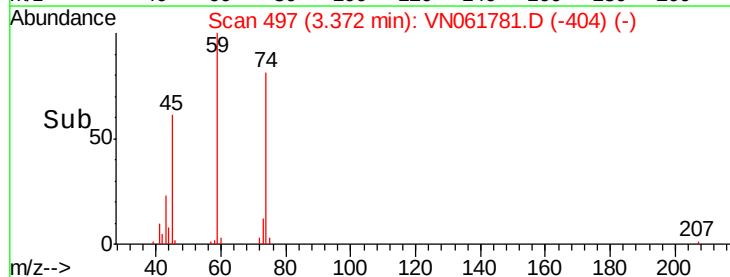
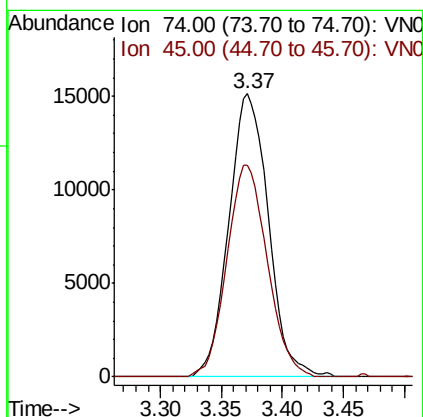
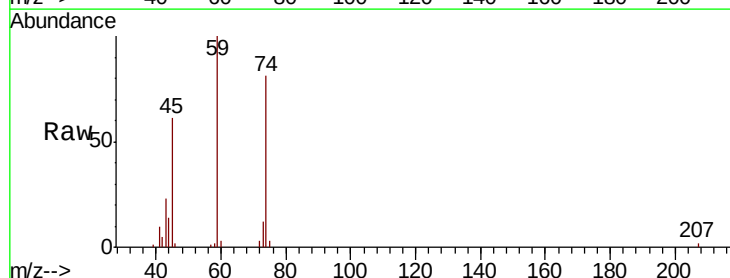
Tot Ion:101 Resp: 119513
Ion Ratio Lower Upper
101 100
103 62.2 51.4 77.2

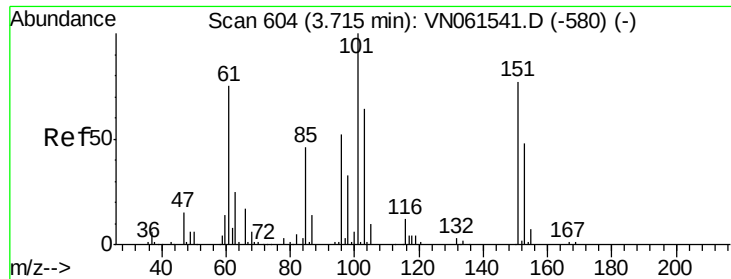


#8

Diethyl Ether
Concen: 15.406 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

Tgt Ion: 74 Resp: 34078
Ion Ratio Lower Upper
74 100
45 76.6 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.241 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

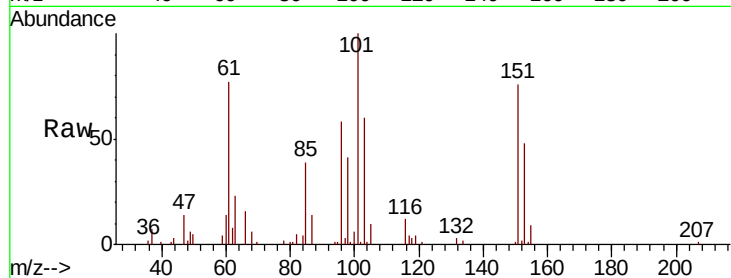
Tot Ion:101 Resp: 58555

Ion Ratio Lower Upper

101 100

85 41.1 35.2 52.8

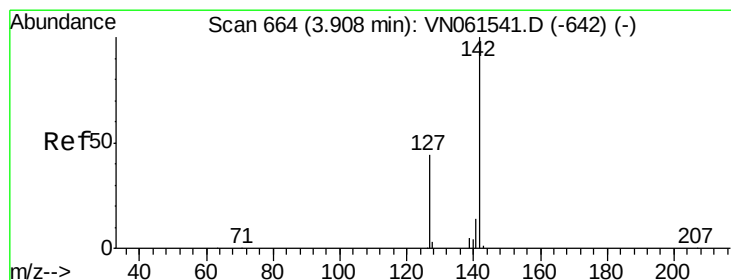
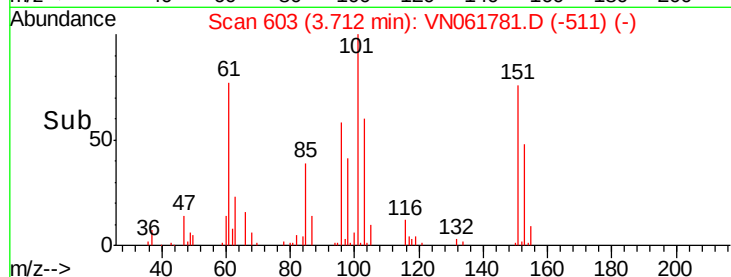
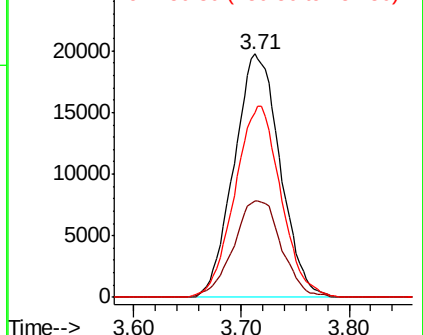
151 78.6 61.0 91.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.119 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

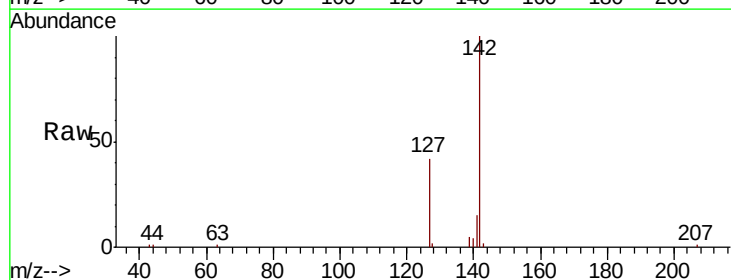
Tgt Ion:142 Resp: 76287

Ion Ratio Lower Upper

142 100

127 43.4 35.5 53.3

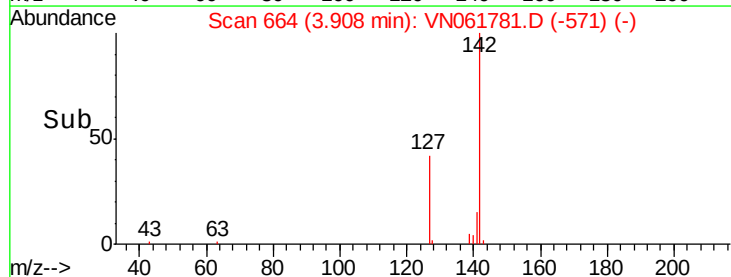
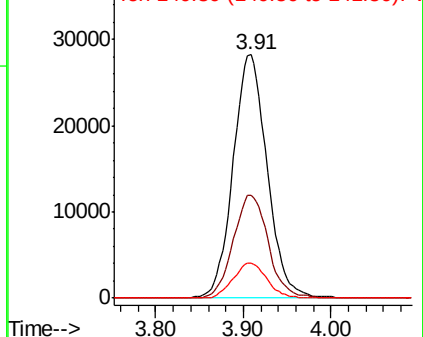
141 14.3 11.5 17.3

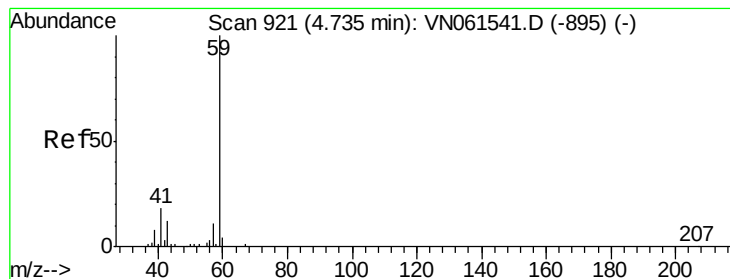


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 85.808 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.01 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampled :

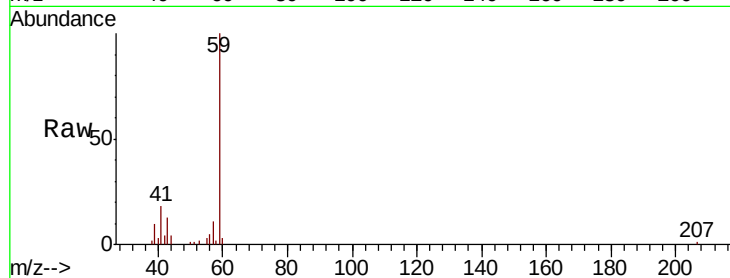
VN0612WBS01

Tot Ion: 59 Resp: 45640

Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VN061781.D (-828) (-)

Ion 57.00 (56.70 to 57.70): VN061781.D (-828) (-)

4.73

15000

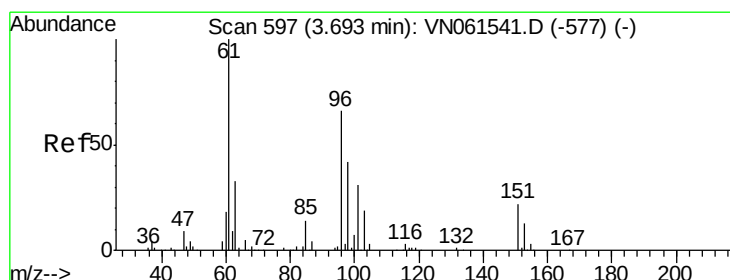
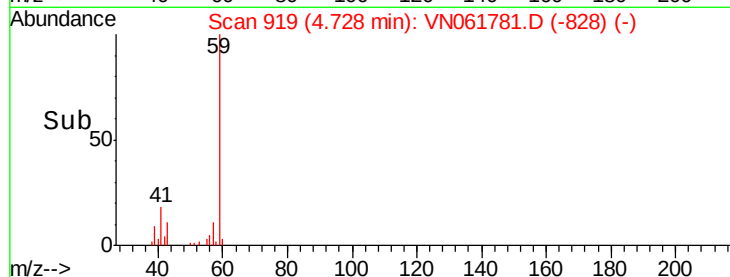
10000

5000

0

Time-->

4.60 4.70 4.80



#12

1,1-Dichloroethene

Concen: 15.790 ug/l

RT: 3.69 min Scan# 597

Delta R.T. 0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

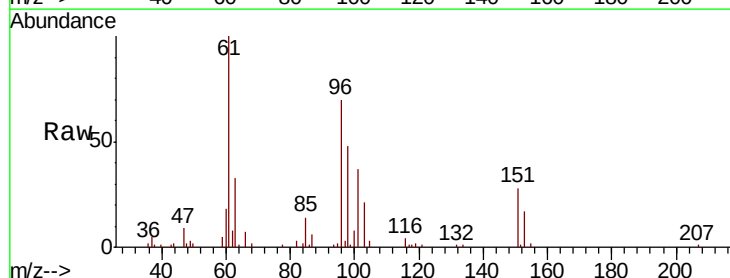
Tgt Ion: 96 Resp: 54151

Ion Ratio Lower Upper

96 100

61 142.7 120.5 180.7

98 68.3 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VN061781.D (-504) (-)

Ion 60.90 (60.60 to 61.60): VN061781.D (-504) (-)

Ion 97.90 (97.60 to 98.60): VN061781.D (-504) (-)

3.69

40000

30000

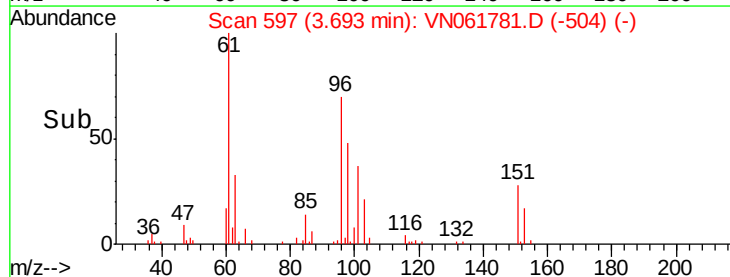
20000

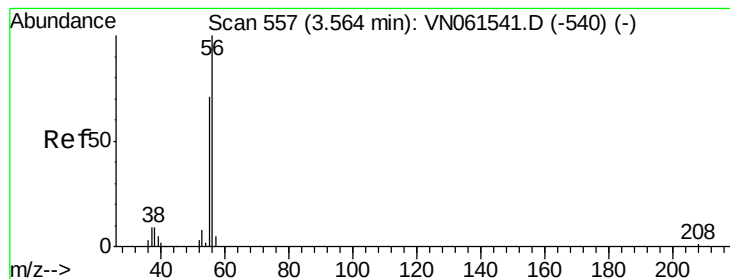
10000

0

Time-->

3.60 3.70 3.80





#13

Acrolein

Concen: 18.685 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

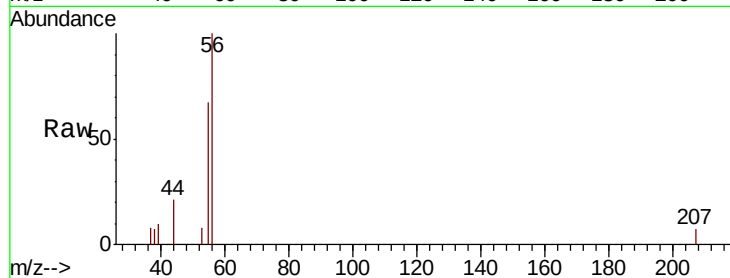
VN0612WBS01

Tot Ion: 56 Resp: 7248

Ion Ratio Lower Upper

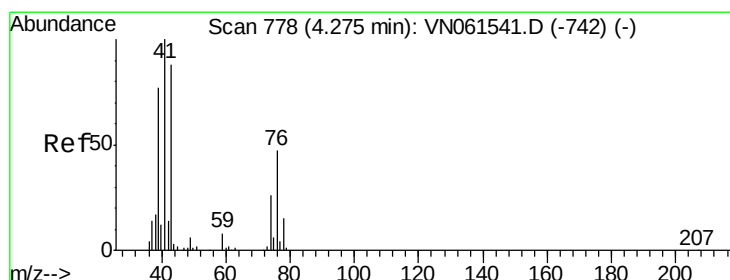
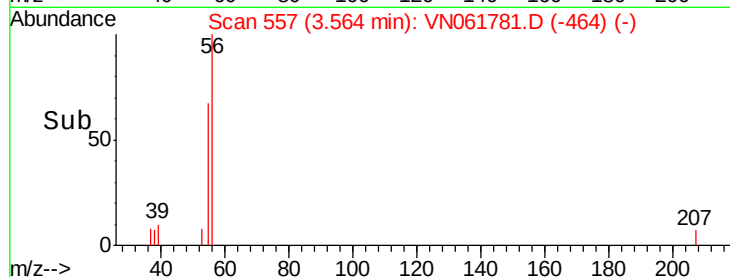
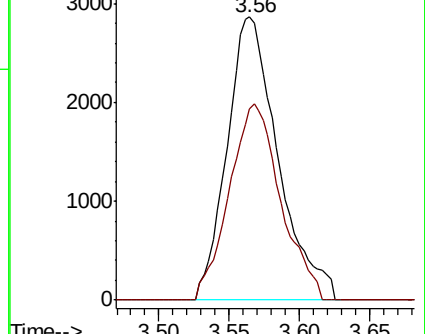
56 100

55 69.6 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 14.065 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

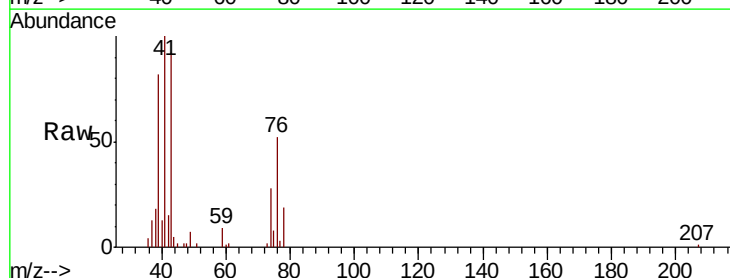
Tgt Ion: 41 Resp: 63064

Ion Ratio Lower Upper

41 100

39 73.9 58.6 88.0

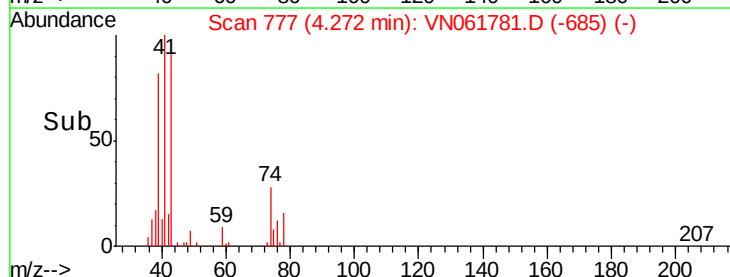
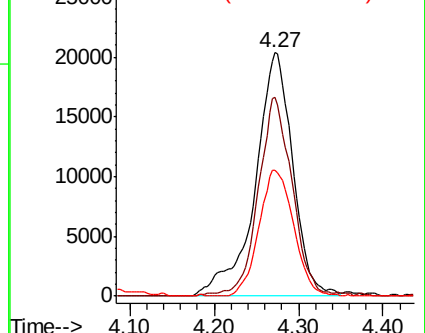
76 47.8 34.2 51.4

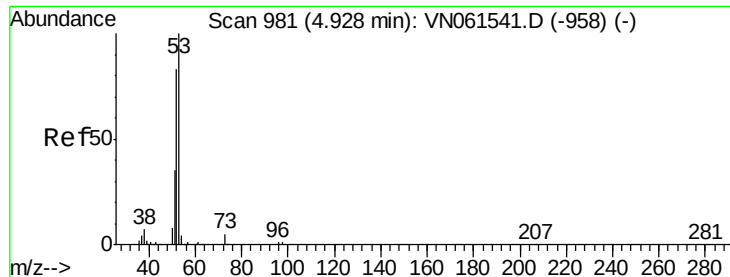


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 76.932 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

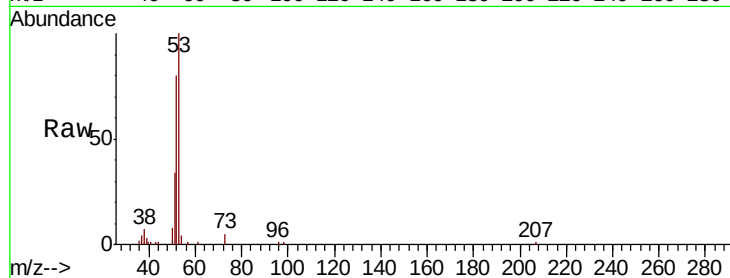
Tot Ion: 53 Resp: 114213

Ion Ratio Lower Upper

53 100

52 79.6 65.4 98.2

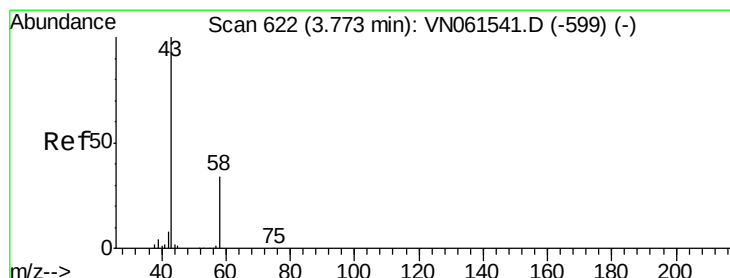
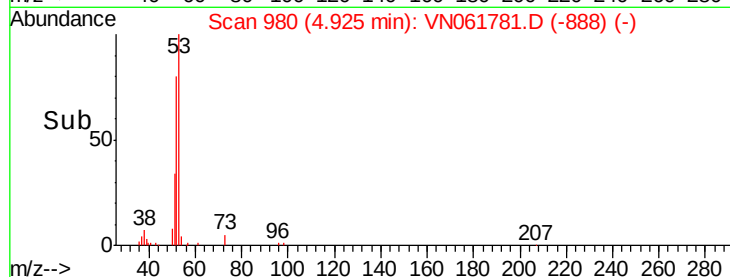
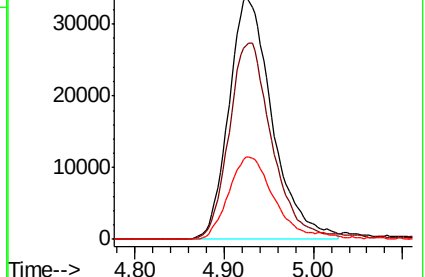
51 34.9 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN061781.D (-958) (-)

Ion 52.00 (51.70 to 52.70): VN061781.D (-958) (-)

Ion 51.00 (50.70 to 51.70): VN061781.D (-958) (-)



#16

Acetone

Concen: 83.883 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061781.D

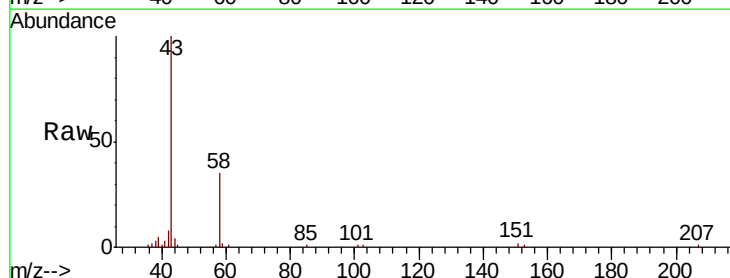
Acq: 12 Jun 2020 11:09

Tgt Ion: 43 Resp: 96985

Ion Ratio Lower Upper

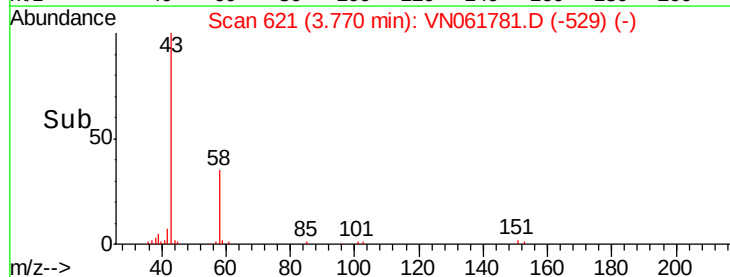
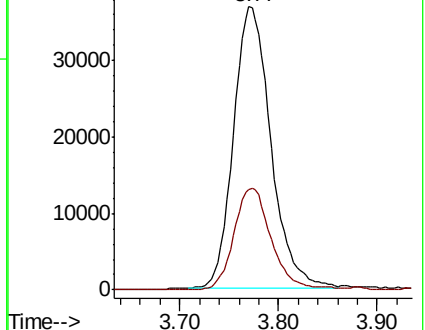
43 100

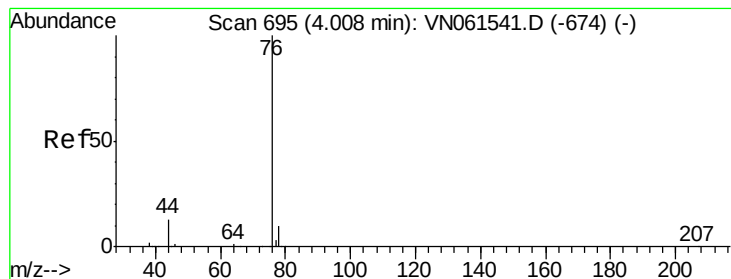
58 35.7 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN061781.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN061781.D (-529) (-)





#17

Carbon Disulfide

Concen: 15.522 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

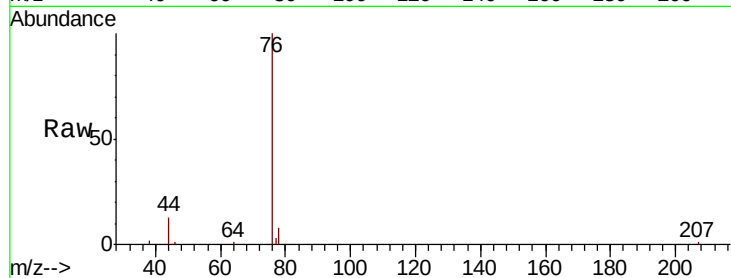
VN0612WBS01

Tot Ion: 76 Resp: 117120

Ion Ratio Lower Upper

76 100

78 8.3 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VN061781.D (-602) (-)

Ion 77.90 (77.60 to 78.60): VN061781.D (-602) (-)

4.01

50000

40000

30000

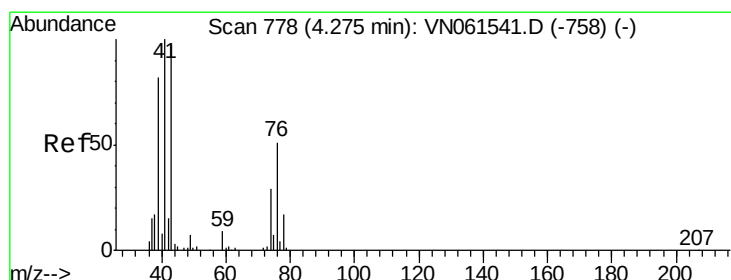
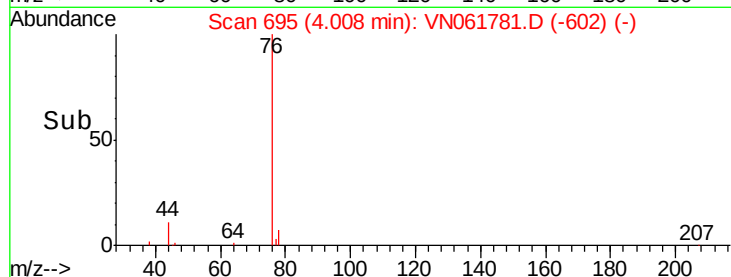
20000

10000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 15.854 ug/l

RT: 4.28 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061781.D

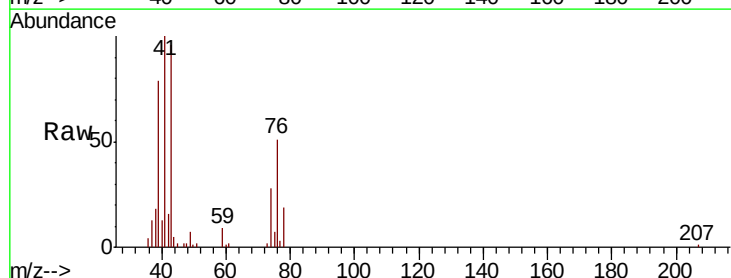
Acq: 12 Jun 2020 11:09

Tgt Ion: 43 Resp: 57392

Ion Ratio Lower Upper

43 100

74 30.0 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VN061781.D (-685) (-)

Ion 74.00 (73.70 to 74.70): VN061781.D (-685) (-)

4.28

20000

15000

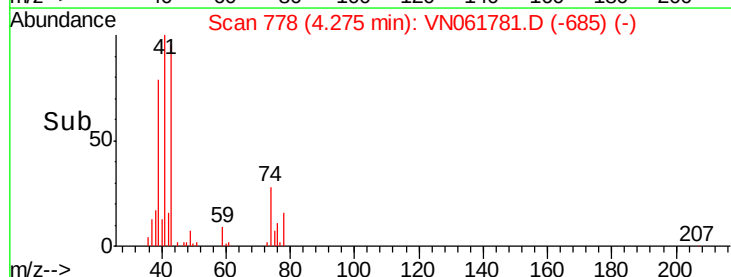
10000

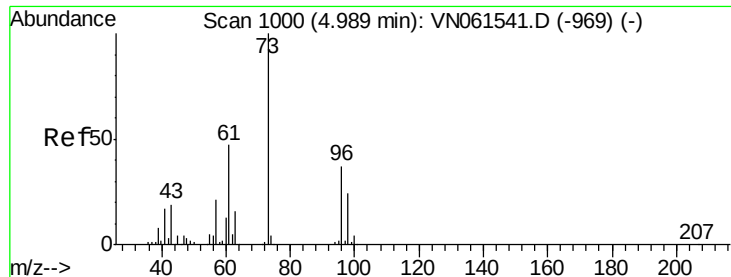
5000

0

Time-->

4.20 4.30 4.40

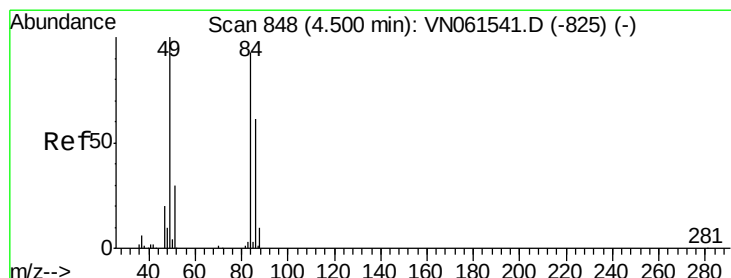
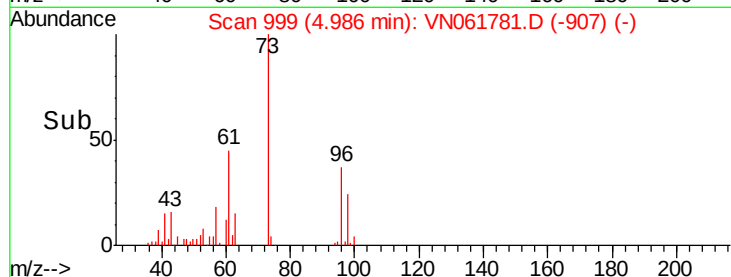
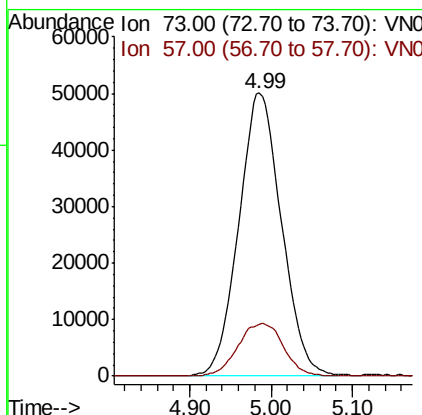
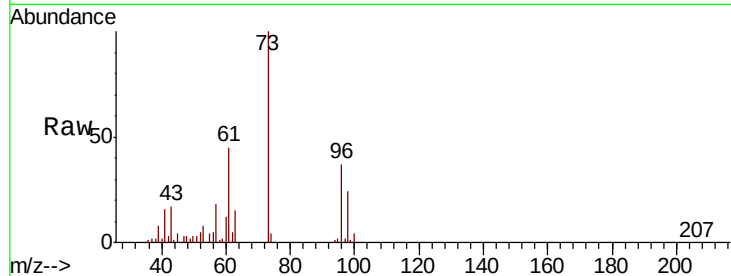




#19
Methyl tert-butyl Ether
Concen: 15.513 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

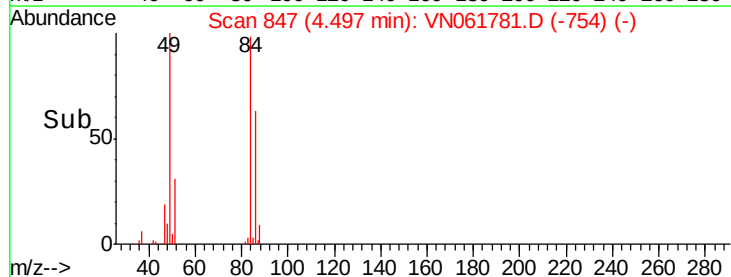
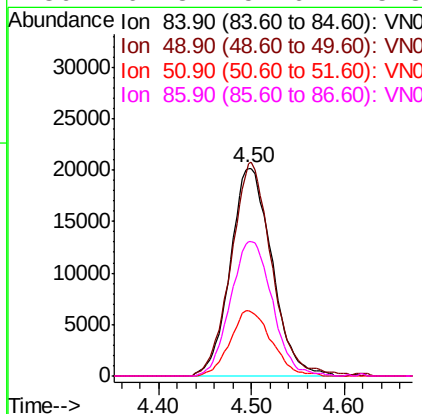
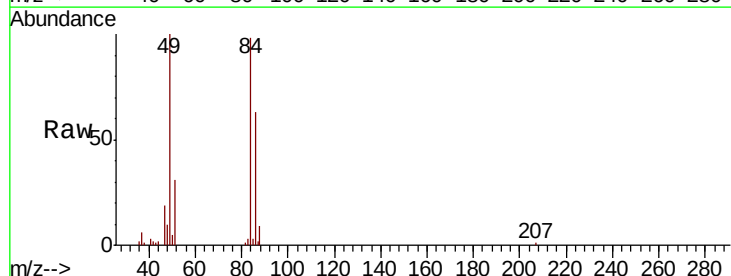
Instrument :
MSVOA_N
ClientSampled :
VN0612WBS01

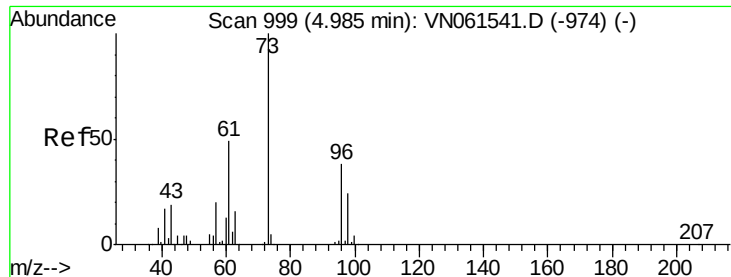
Tot Ion: 73 Resp: 181325
Ion Ratio Lower Upper
73 100
57 18.4 16.4 24.6



#20
Methylene Chloride
Concen: 16.119 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

Tgt Ion: 84 Resp: 62869
Ion Ratio Lower Upper
84 100
49 102.2 85.8 128.8
51 31.2 26.2 39.2
86 64.8 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 15.586 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

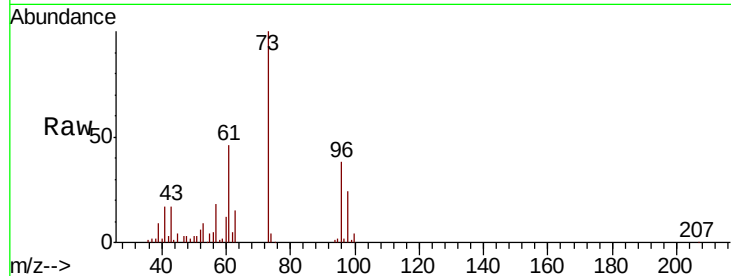
Tot Ion: 96 Resp: 60280

Ion Ratio Lower Upper

96 100

61 119.9 101.4 152.0

98 64.2 50.6 76.0

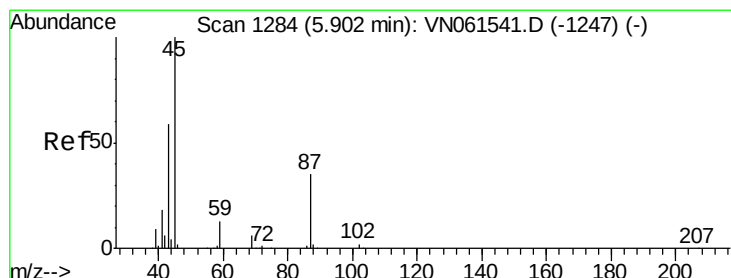
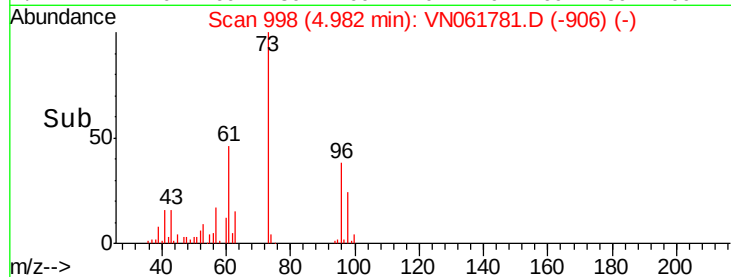
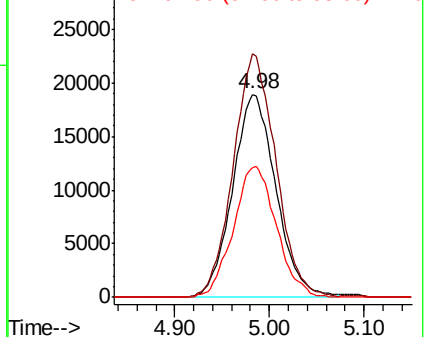


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 15.170 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Tgt Ion: 45 Resp: 149908

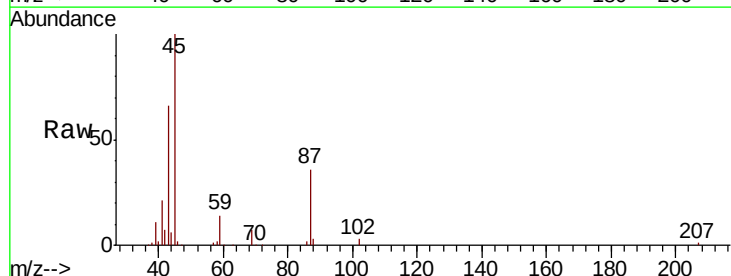
Ion Ratio Lower Upper

45 100

43 62.7 47.9 71.9

87 36.4 28.4 42.6

59 13.7 10.5 15.7



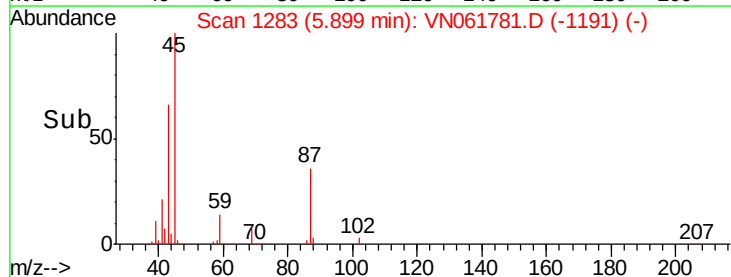
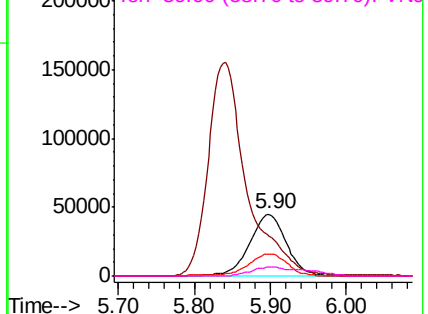
Abundance

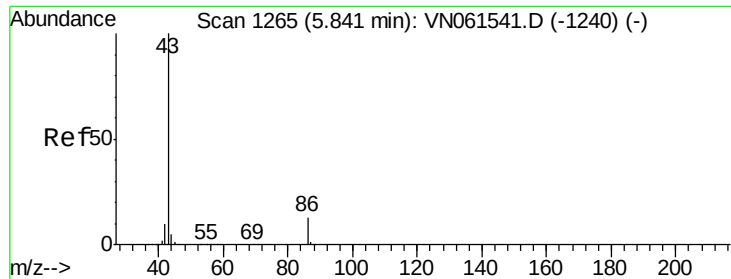
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

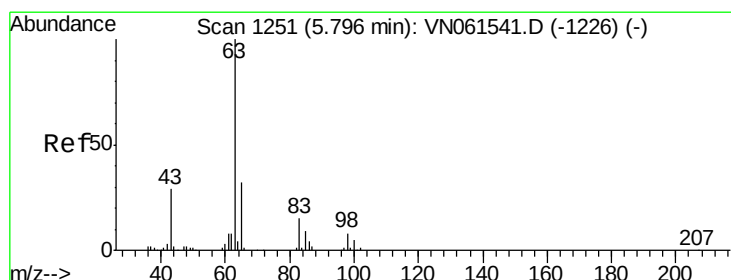
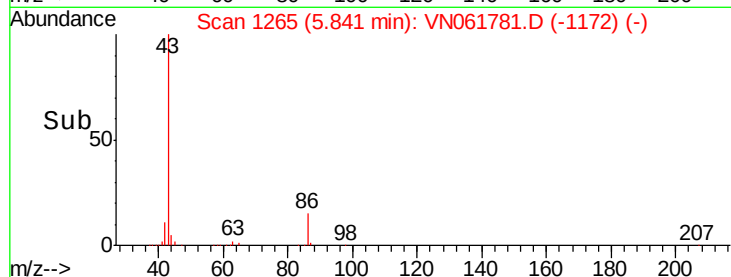
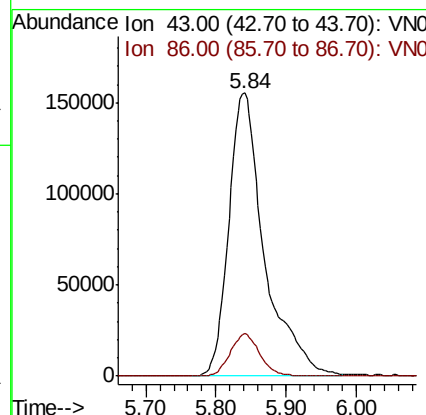
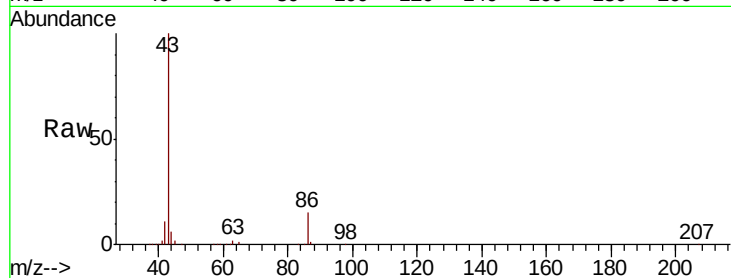




#23
 Vinyl Acetate
 Concen: 69.649 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VN061781.D
 Acq: 12 Jun 2020 11:09

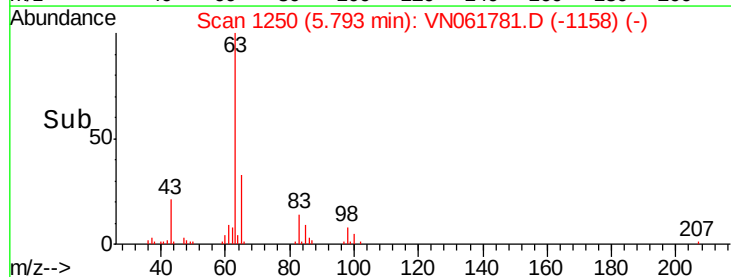
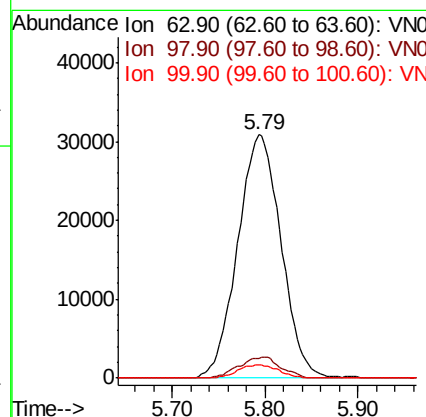
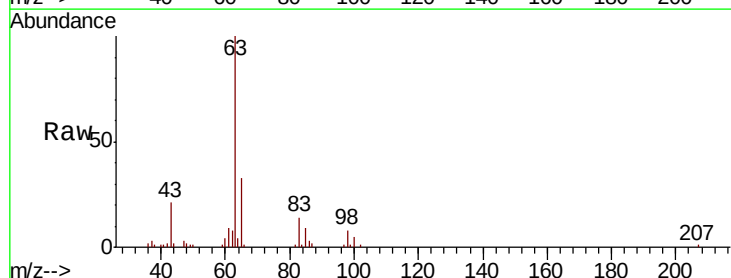
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

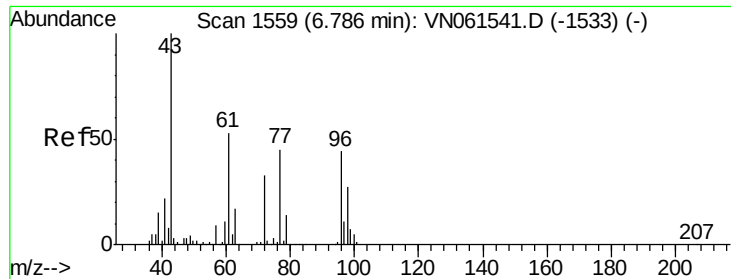
Tot Ion: 43 Resp: 548565
 Ion Ratio Lower Upper
 43 100
 86 15.0 10.6 16.0



#24
 1,1-Dichloroethane
 Concen: 15.958 ug/l
 RT: 5.79 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VN061781.D
 Acq: 12 Jun 2020 11:09

Tgt Ion: 63 Resp: 99998
 Ion Ratio Lower Upper
 63 100
 98 8.1 3.8 11.4
 100 5.5 2.5 7.6





#25

2-Butanone

Concen: 73.296 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

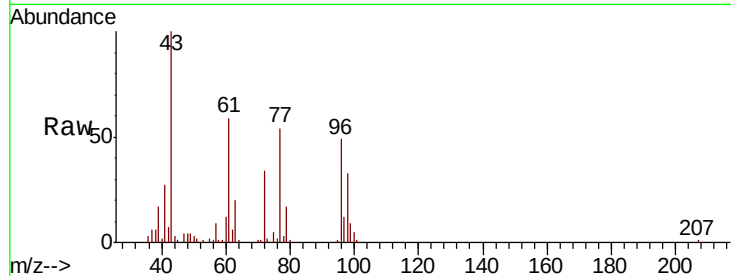
VN0612WBS01

Tot Ion: 43 Resp: 138906

Ion Ratio Lower Upper

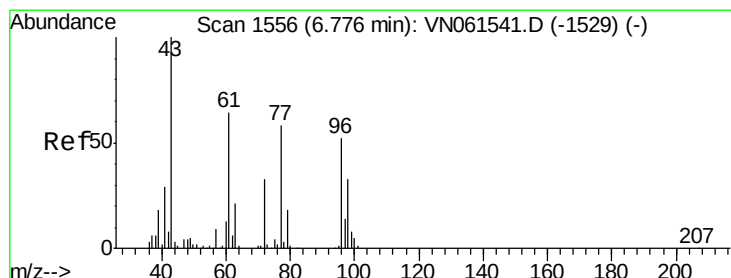
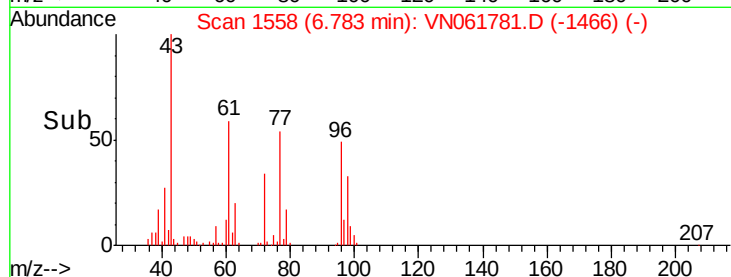
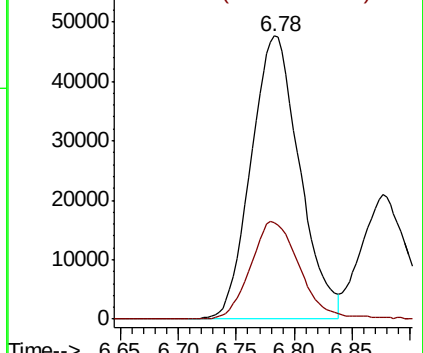
43 100

72 33.9 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 16.083 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061781.D

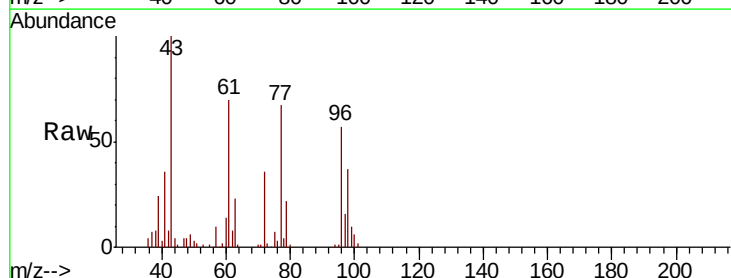
Acq: 12 Jun 2020 11:09

Tgt Ion: 77 Resp: 92244

Ion Ratio Lower Upper

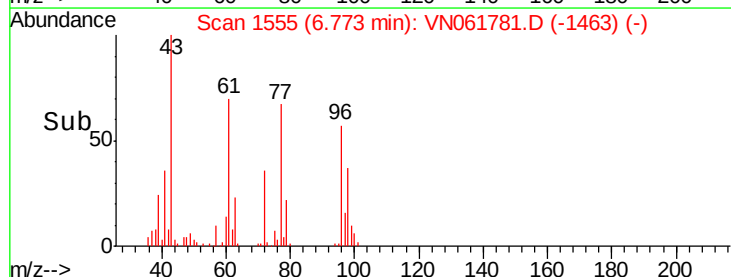
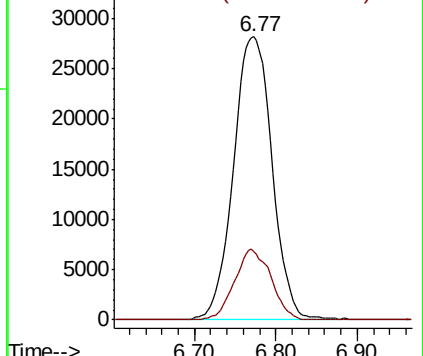
77 100

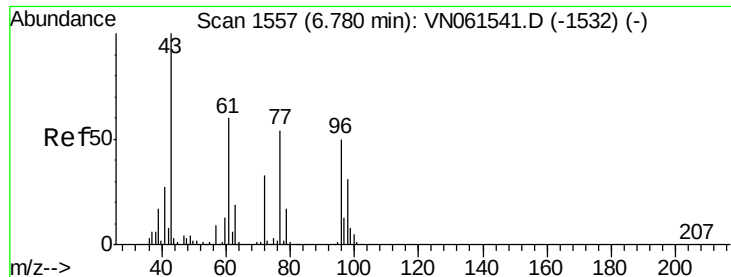
97 23.6 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 16.499 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

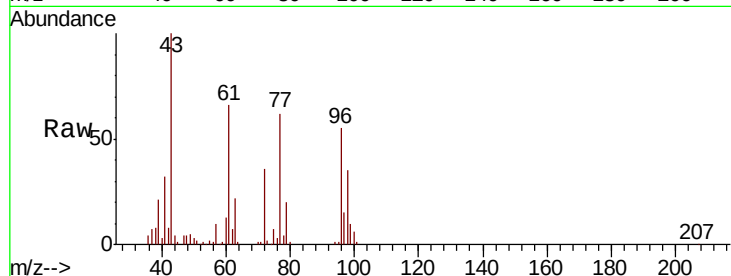
Tot Ion: 96 Resp: 72256

Ion Ratio Lower Upper

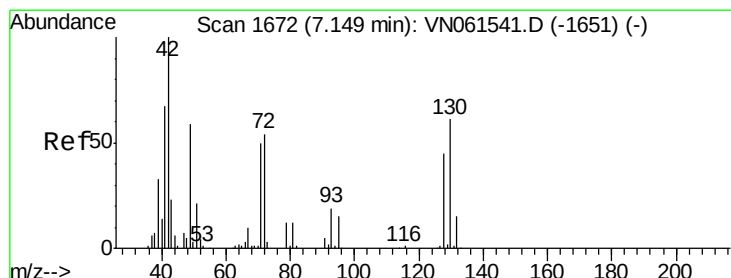
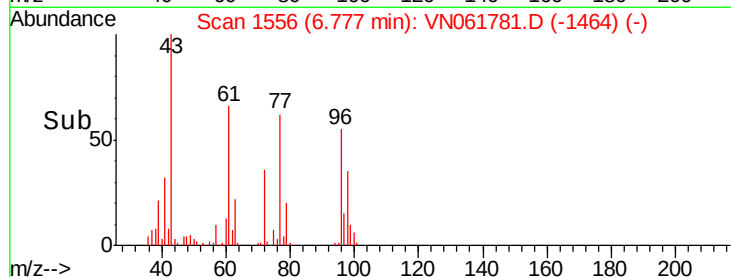
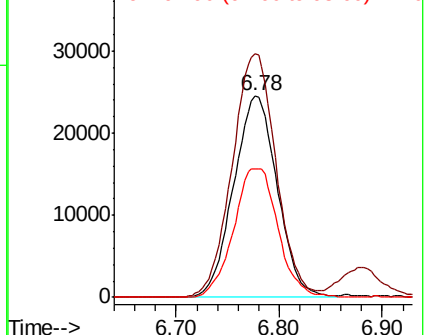
96 100

61 121.2 0.0 252.2

98 65.1 0.0 129.2



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: 19.630 ug/l

RT: 7.14 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

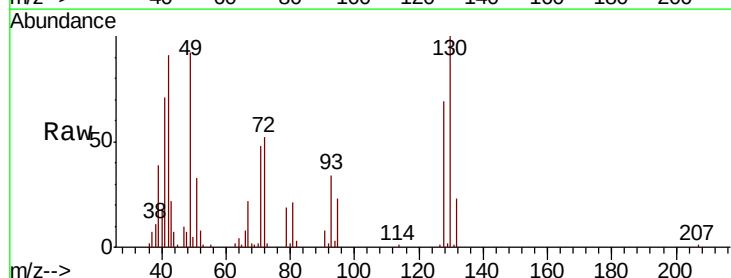
Tgt Ion: 49 Resp: 48172

Ion Ratio Lower Upper

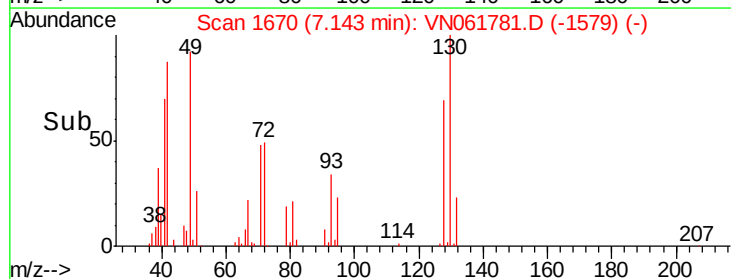
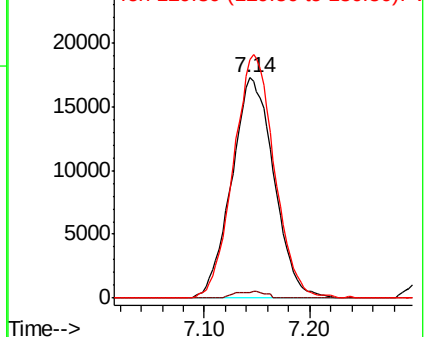
49 100

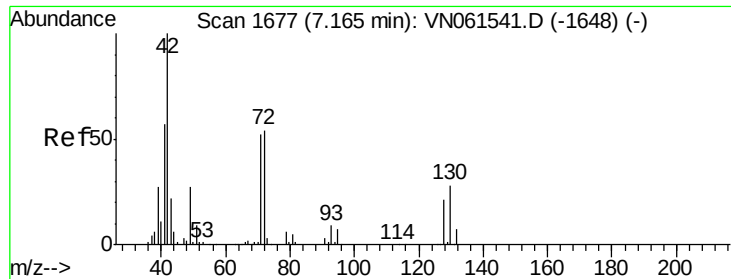
129 1.0 0.0 4.8

130 106.7 78.8 118.2



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

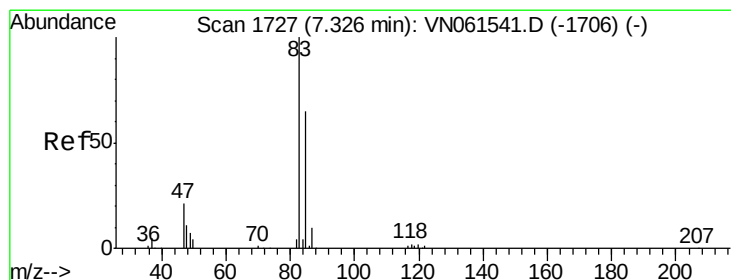
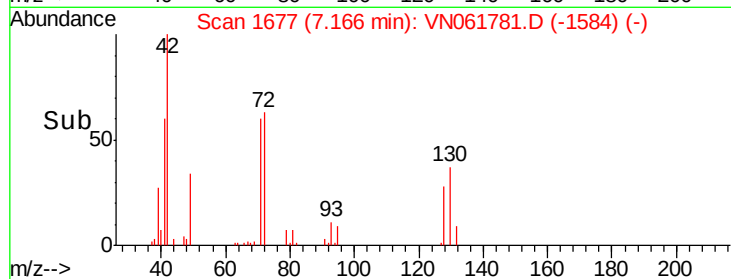
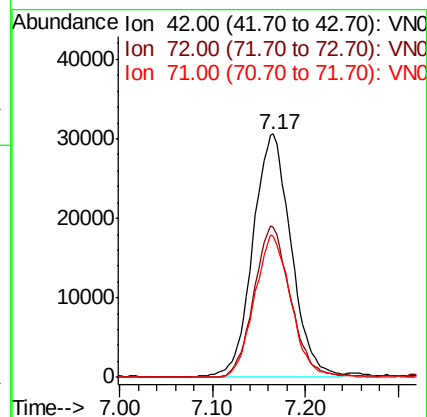
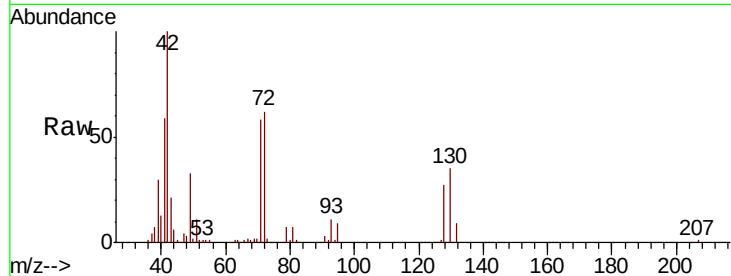




#29
Tetrahydrofuran
Concen: 70.432 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

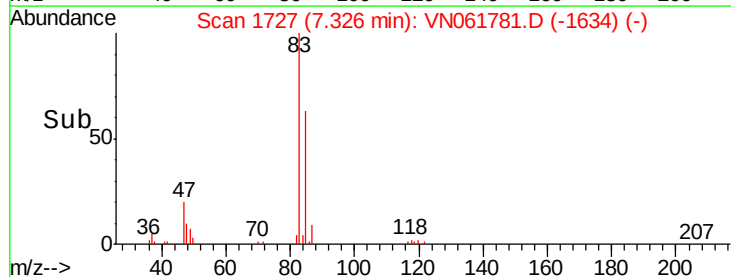
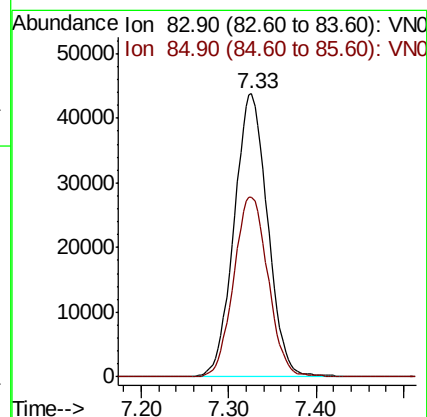
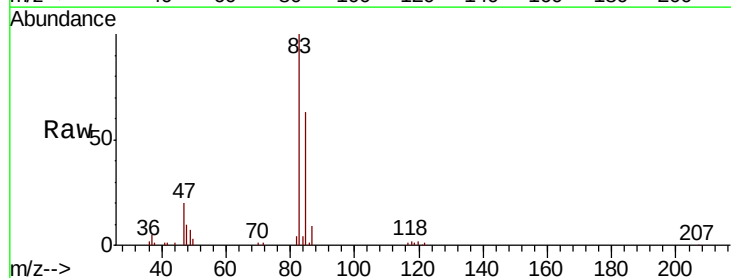
Instrument :
MSVOA_N
ClientSampled :
VN0612WBS01

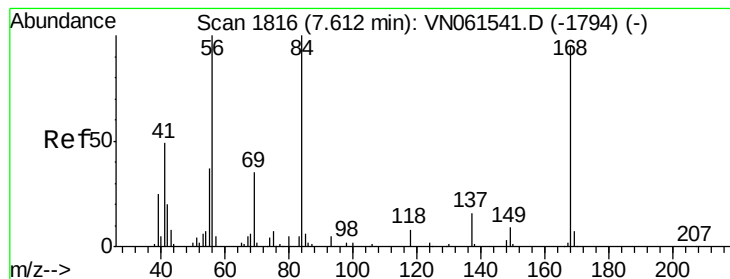
Tot Ion: 42 Resp: 88018
Ion Ratio Lower Upper
42 100
72 59.1 43.6 65.4
71 55.5 41.2 61.8



#30
Chloroform
Concen: 16.768 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

Tgt Ion: 83 Resp: 116246
Ion Ratio Lower Upper
83 100
85 63.4 51.7 77.5





#31

Cyclohexane

Concen: 14.679 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

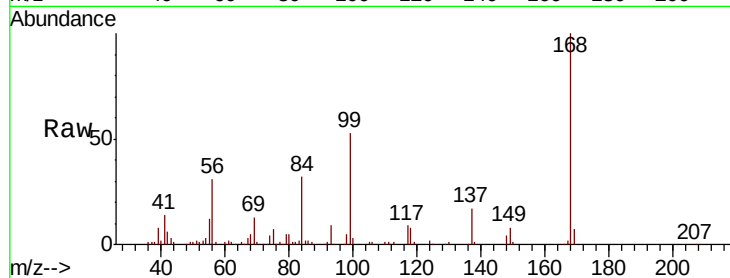
Tot Ion: 56 Resp: 82727

Ion Ratio Lower Upper

56 100

69 40.5 27.8 41.8

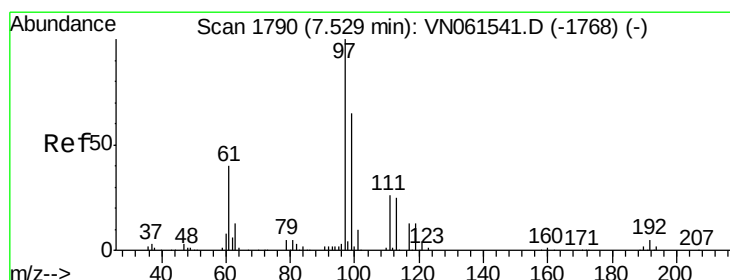
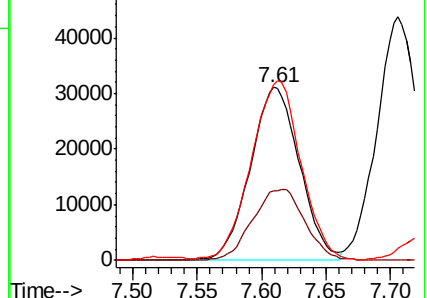
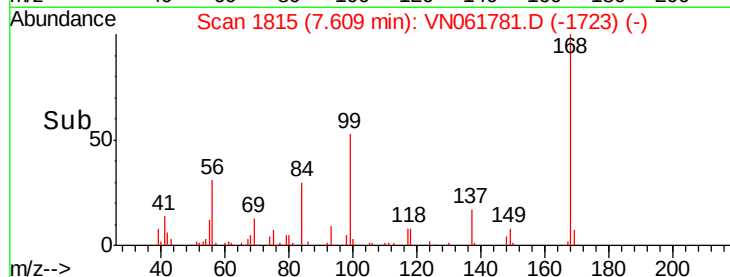
84 100.4 79.9 119.9



Abundance Ion 56.00 (55.70 to 56.70): VN061781.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN061781.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN061781.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 16.100 ug/l

RT: 7.52 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

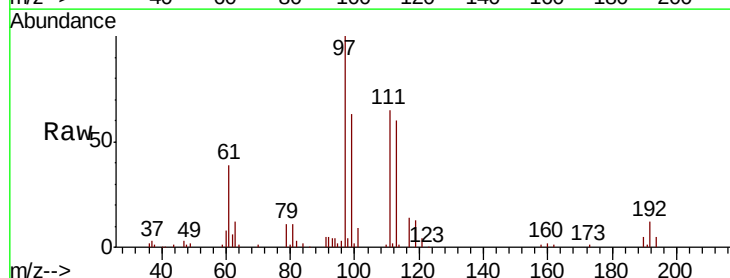
Tgt Ion: 97 Resp: 101701

Ion Ratio Lower Upper

97 100

99 63.2 51.4 77.0

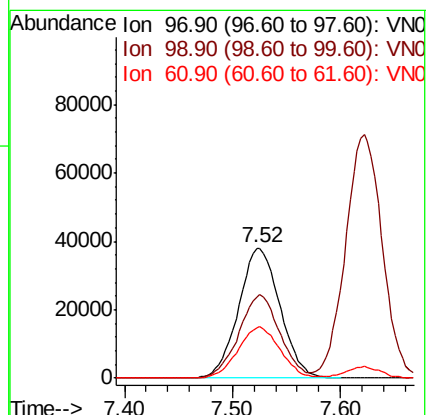
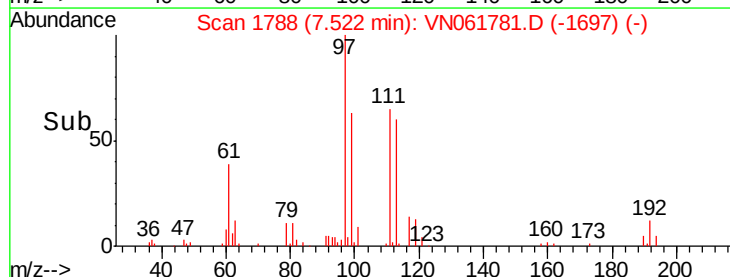
61 39.8 31.4 47.0

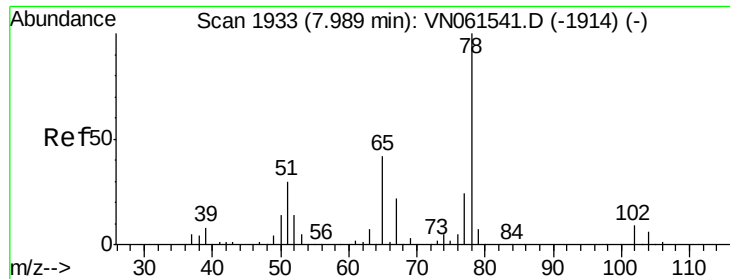


Abundance Ion 96.90 (96.60 to 97.60): VN061781.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN061781.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN061781.D (-1697) (-)

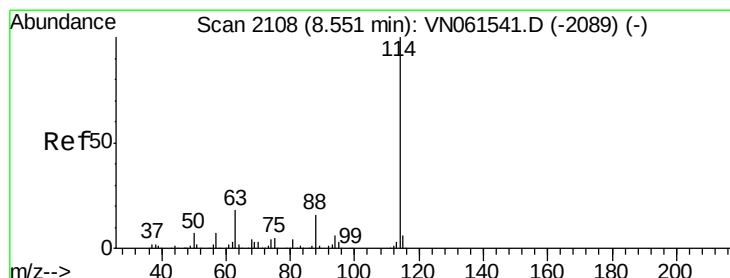
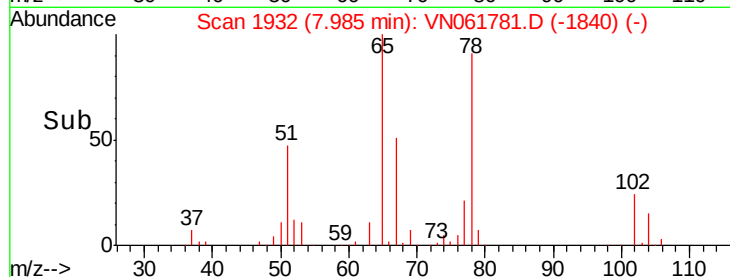
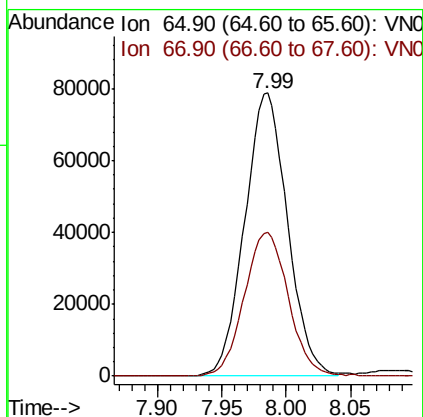
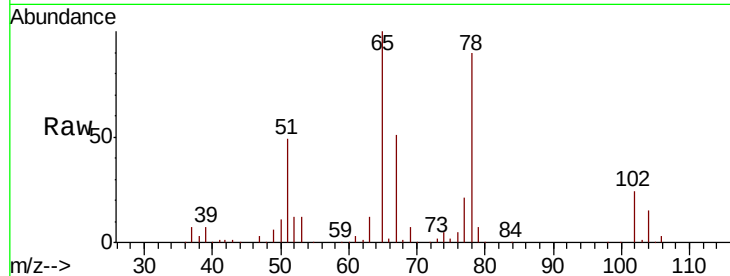




#33
 1,2-Dichloroethane-d4
 Concen: 45.632 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061781.D
 Acq: 12 Jun 2020 11:09

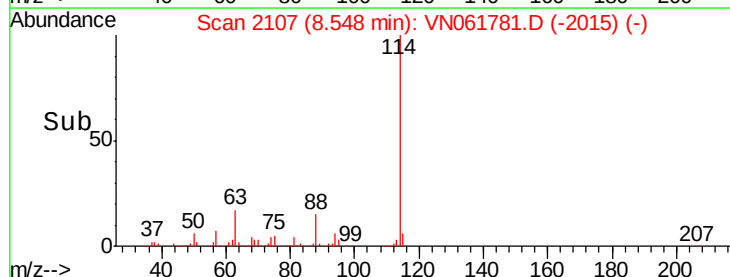
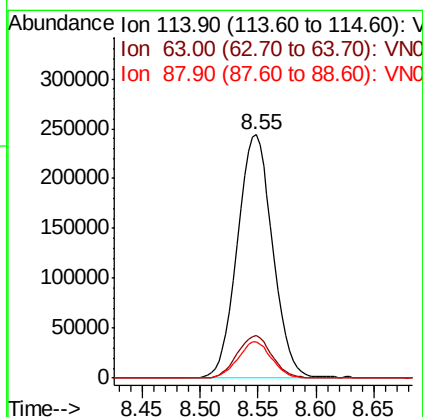
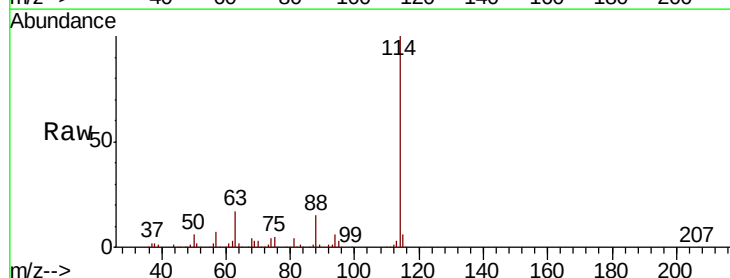
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

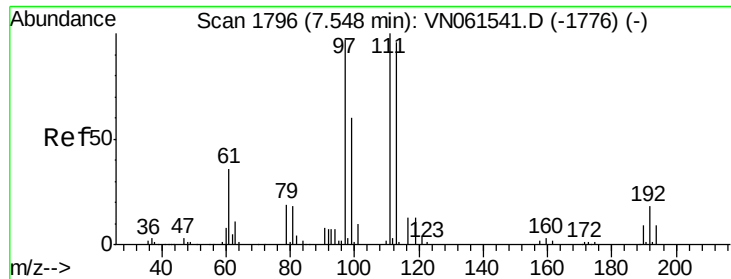
Tot Ion: 65 Resp: 182475
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061781.D
 Acq: 12 Jun 2020 11:09

Tgt Ion: 114 Resp: 514795
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.8
 88 14.9 0.0 31.0

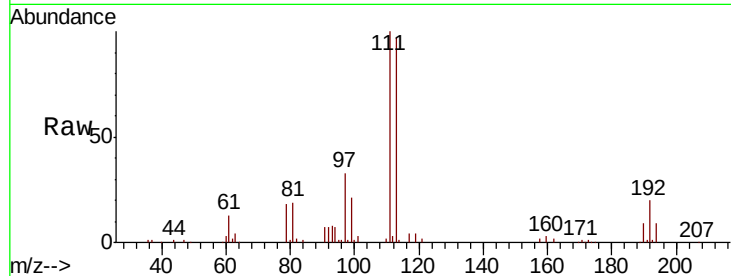




#35
 Dibromofluoromethane
 Concen: 57.885 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061781.D
 Acq: 12 Jun 2020 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.4	125.0
192	20.1	15.4	23.2

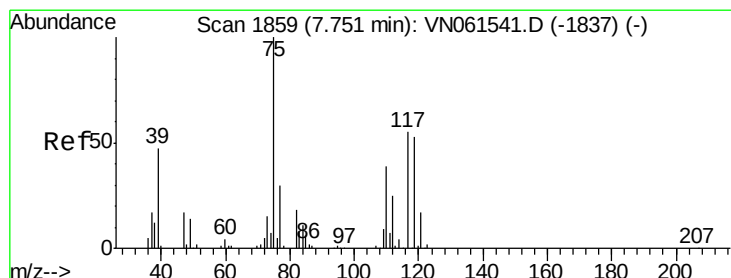
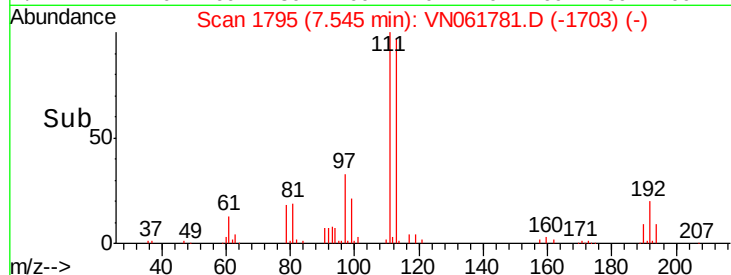
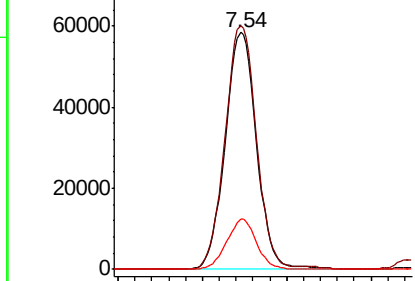


Abundance

Ion 112.80 (112.50 to 113.50): V

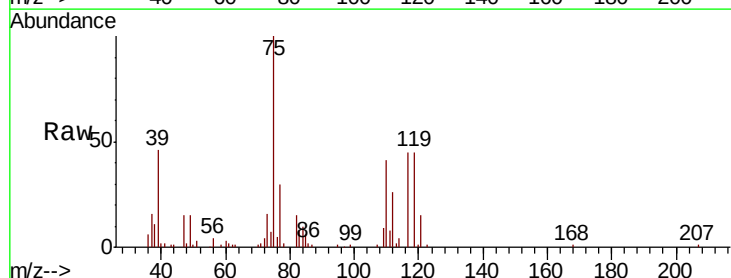
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 17.253 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN061781.D
 Acq: 12 Jun 2020 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.5	19.5	58.5
77	31.6	24.7	37.1

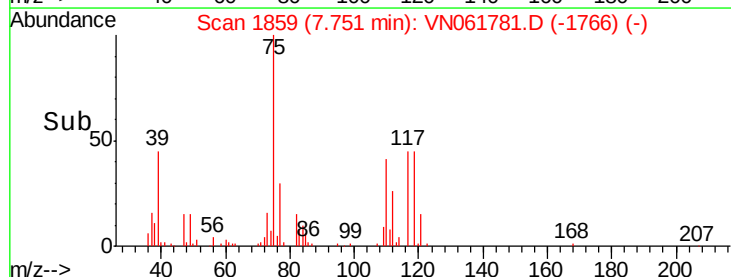
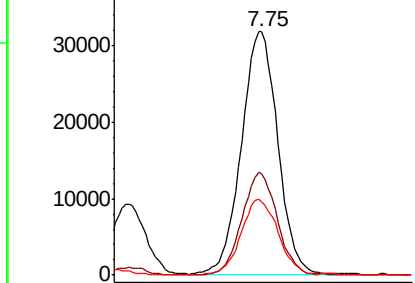


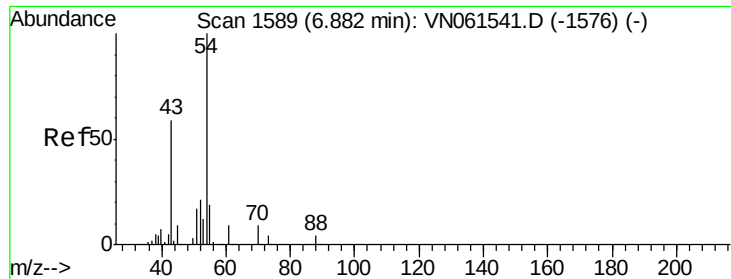
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

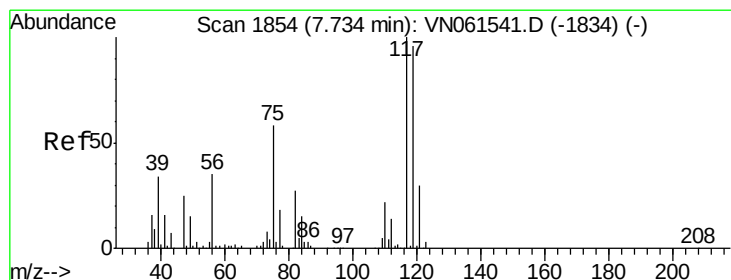
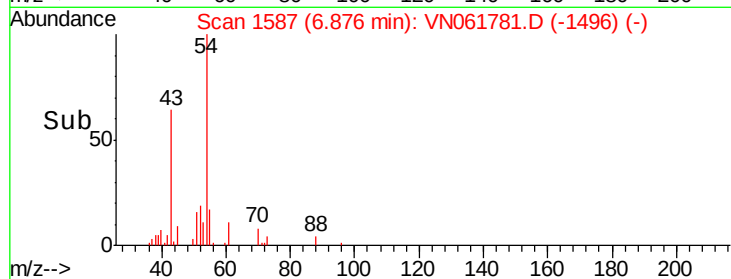
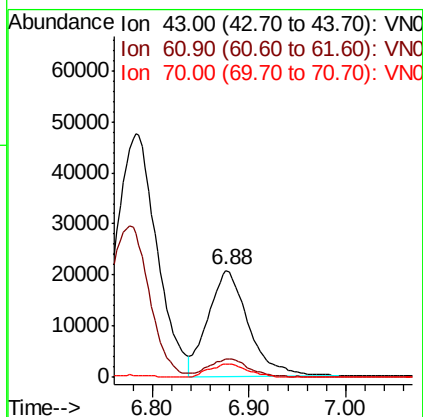
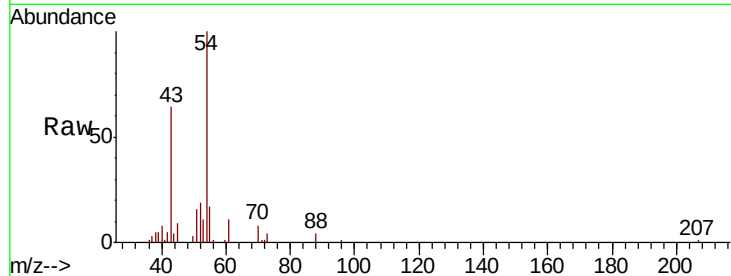




#37
Ethyl Acetate
Concen: 16.386 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

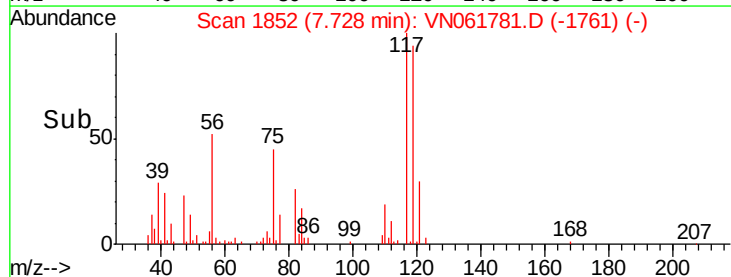
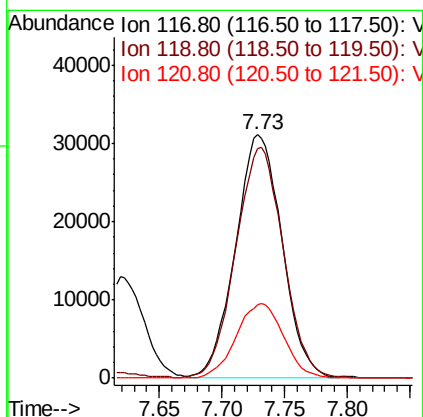
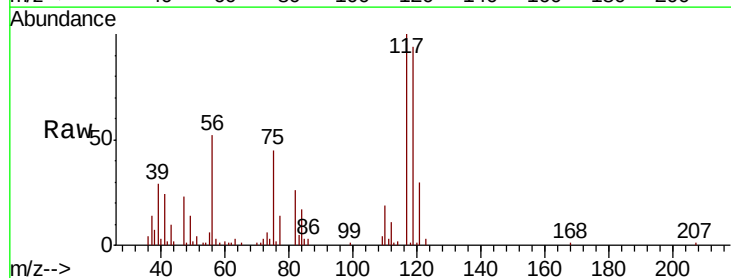
Instrument :
MSVOA_N
ClientSampled :
VN0612WBS01

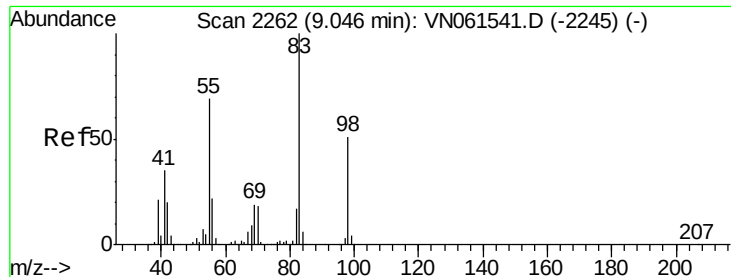
Tot Ion: 43 Resp: 60146
Ion Ratio Lower Upper
43 100
61 17.9 12.2 18.4
70 12.0 9.4 14.2



#38
Carbon Tetrachloride
Concen: 18.274 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

Tgt Ion: 117 Resp: 80328
Ion Ratio Lower Upper
117 100
119 93.6 76.5 114.7
121 30.2 24.1 36.1

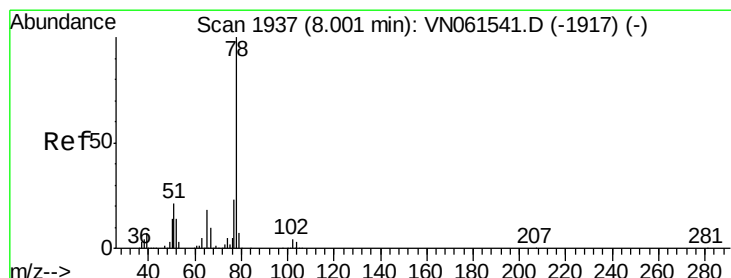
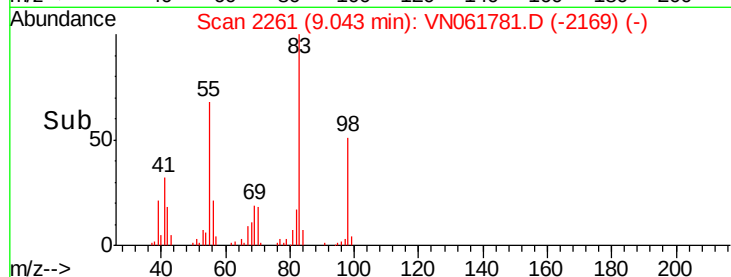
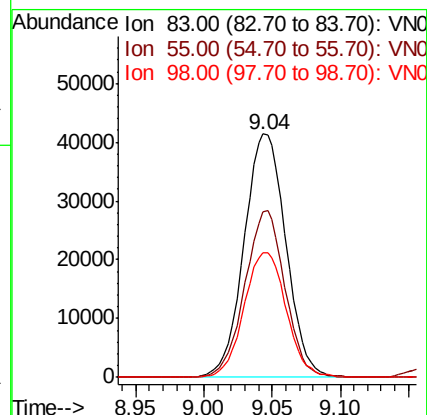
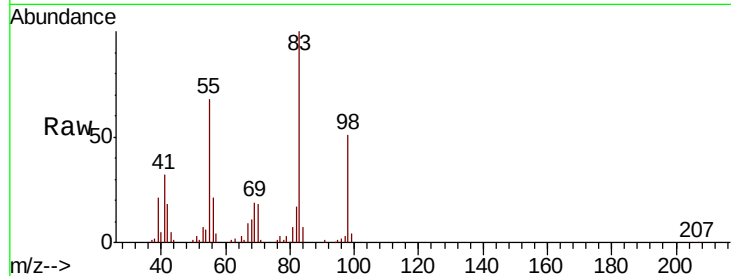




#39
Methylvlcyclohexane
Concen: 15.660 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

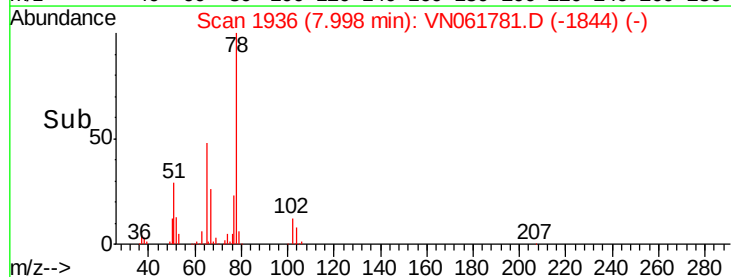
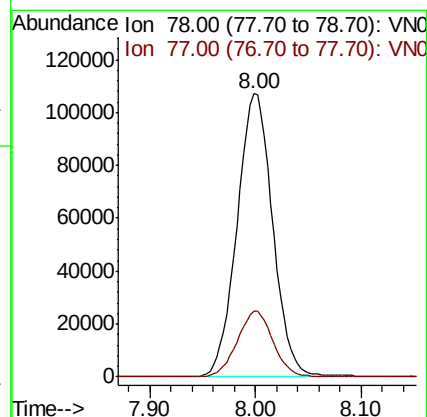
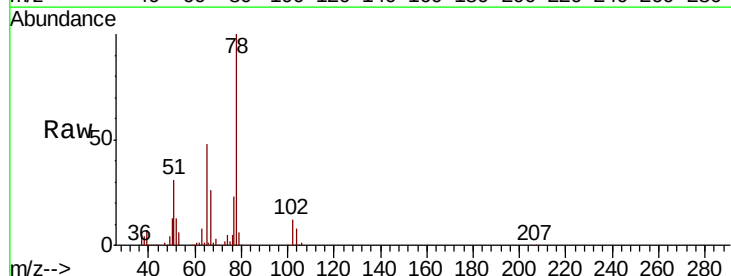
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

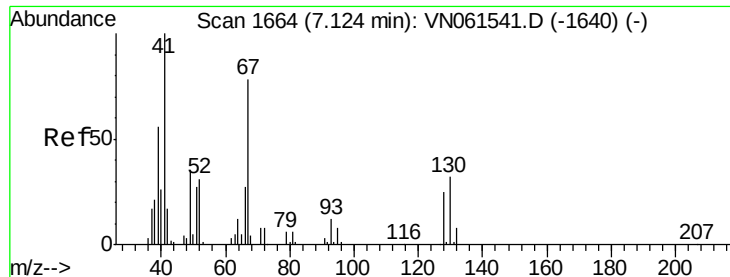
Tot Ion	83	Resp	87966
Ion	Ratio	Lower	Upper
83	100		
55	67.8	54.9	82.3
98	51.0	41.0	61.4



#40
Benzene
Concen: 17.909 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

Tgt Ion	78	Resp	251829
Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	28.0

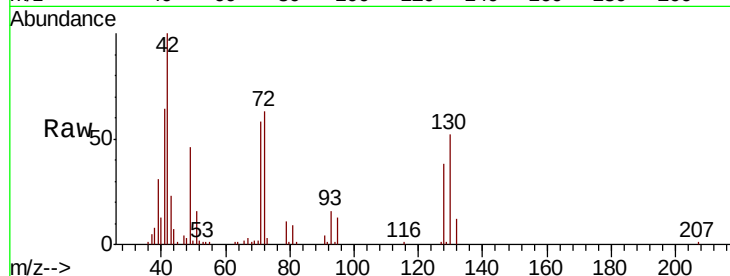




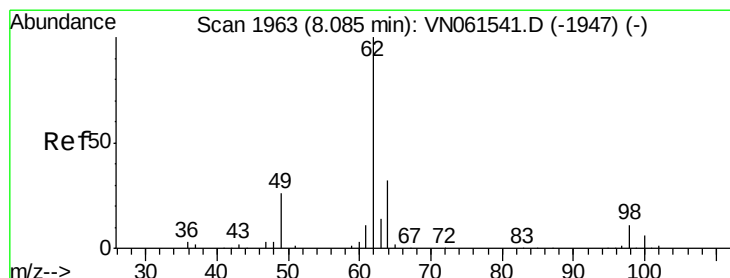
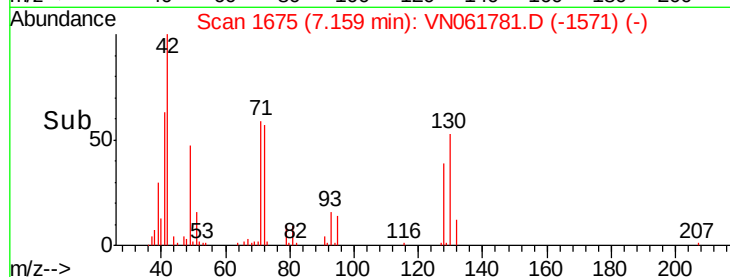
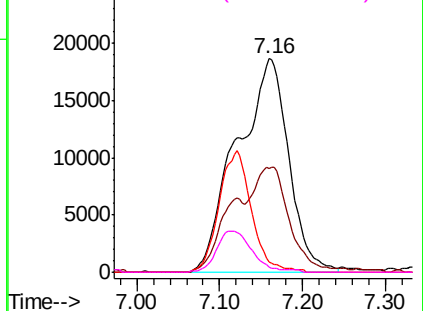
#41
Methacrylonitrile
Concen: 48.103 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.04 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

Tot Ion: 41 Resp: 80896
Ion Ratio Lower Upper
41 100
39 0.0 53.8 80.6#
67 0.0 91.1 136.7#
52 0.0 36.0 54.0#

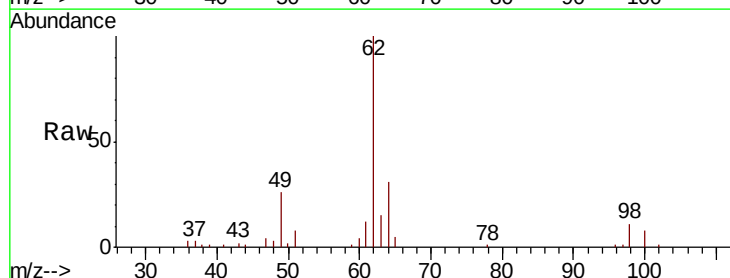


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

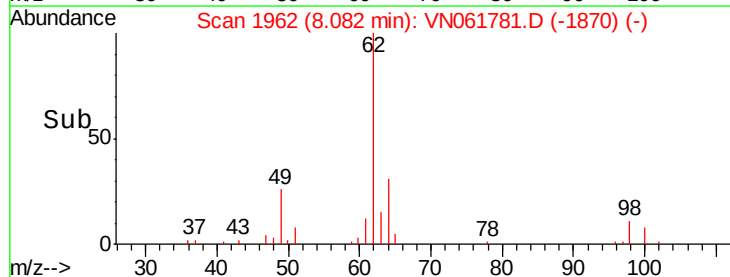
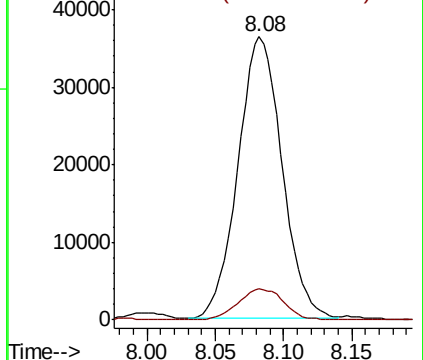


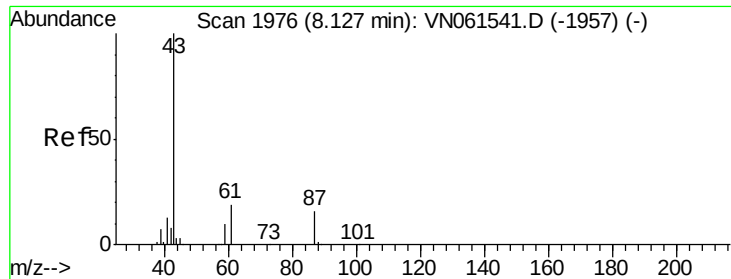
#42
1,2-Dichloroethane
Concen: 17.309 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

Tgt Ion: 62 Resp: 81481
Ion Ratio Lower Upper
62 100
98 11.4 0.0 21.4



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





#43

Isopropyl Acetate

Concen: 15.204 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

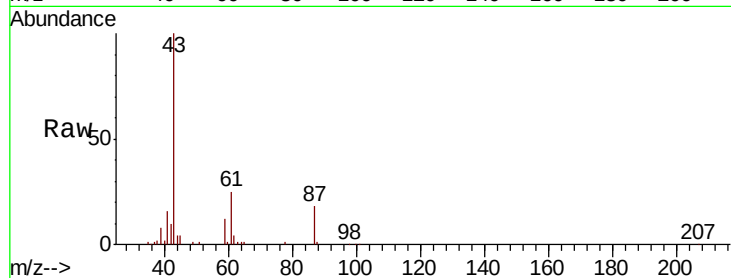
Tot Ion: 43 Resp: 100401

Ion Ratio Lower Upper

43 100

61 23.4 23.6 35.4#

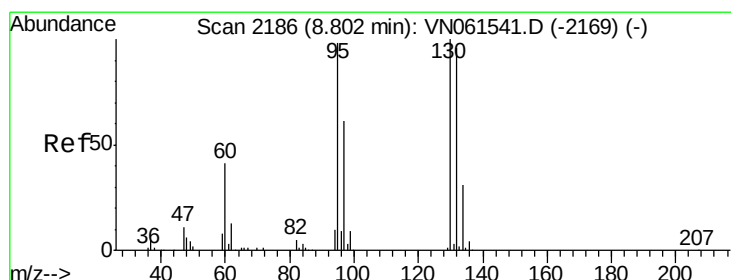
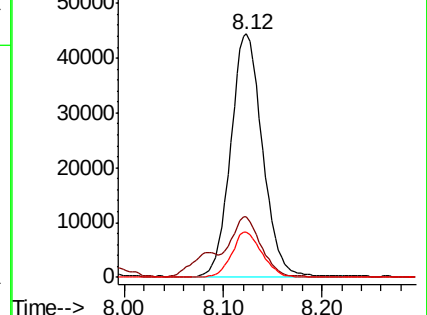
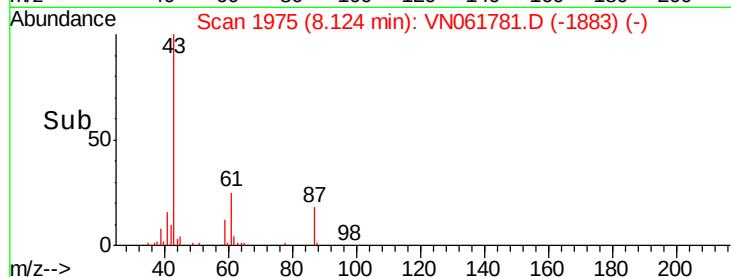
87 17.5 13.0 19.6



Abundance Ion 43.00 (42.70 to 43.70): VN061781.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN061781.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN061781.D (-1883) (-)



#44

Trichloroethene

Concen: 17.915 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN061781.D

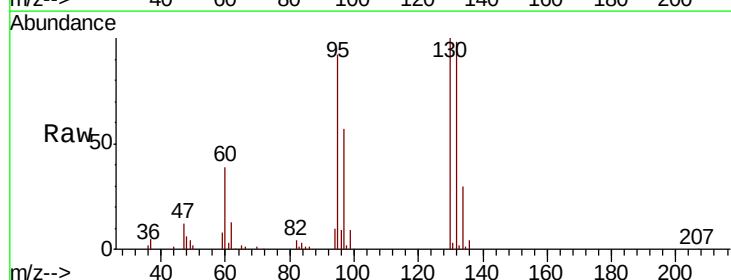
Acq: 12 Jun 2020 11:09

Tgt Ion:130 Resp: 77419

Ion Ratio Lower Upper

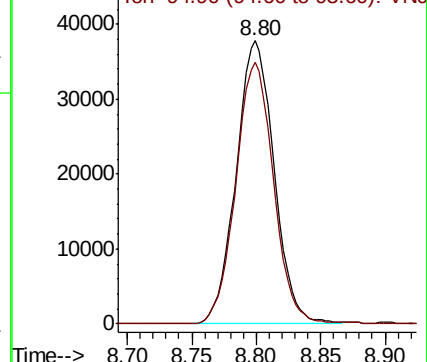
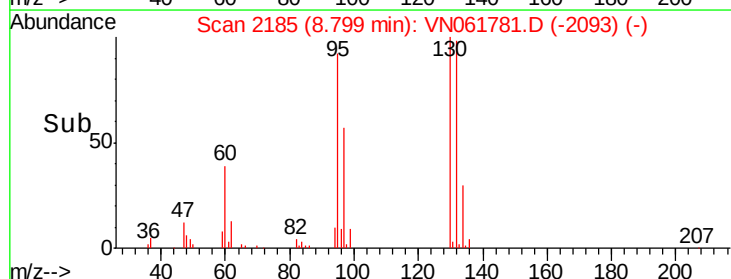
130 100

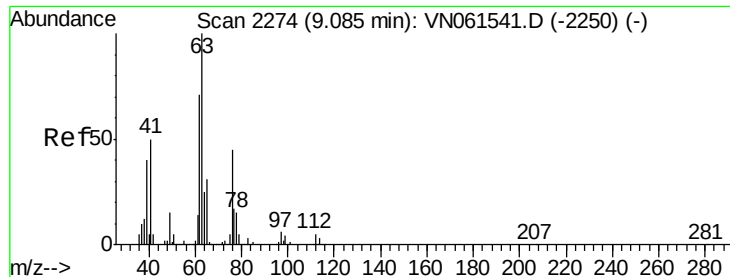
95 92.4 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): VN061781.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN061781.D (-2093) (-)





#45

1,2-Dichloropropane

Concen: 18.076 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.01 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

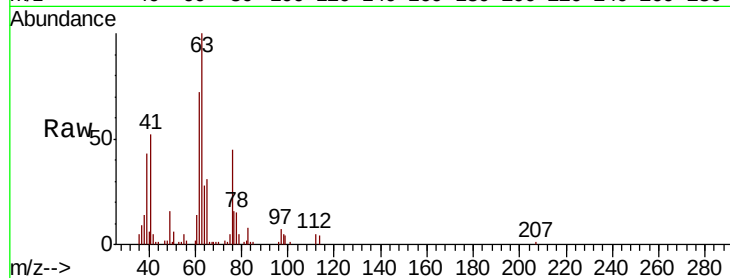
VN0612WBS01

Tot Ion: 63 Resp: 60353

Ion Ratio Lower Upper

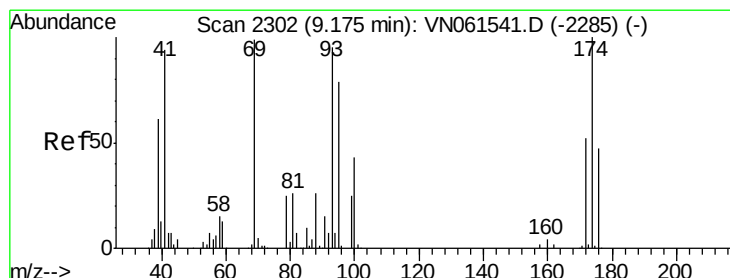
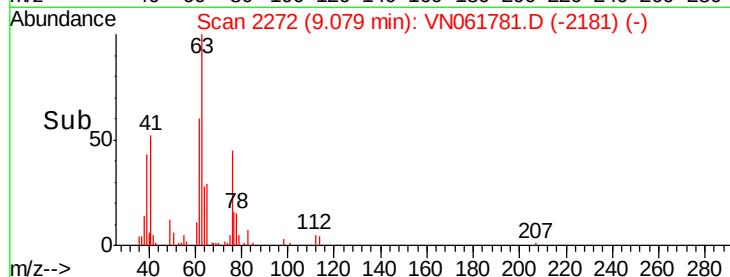
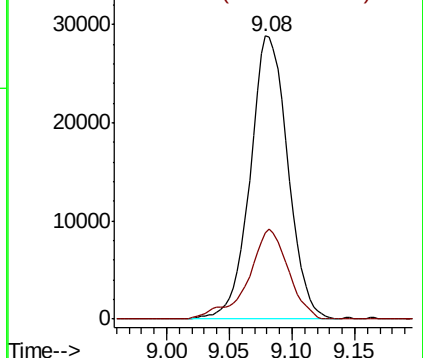
63 100

65 30.6 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 17.717 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

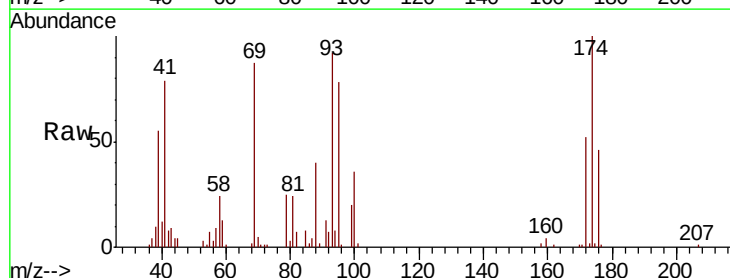
Tgt Ion: 93 Resp: 45369

Ion Ratio Lower Upper

93 100

95 82.7 66.0 99.0

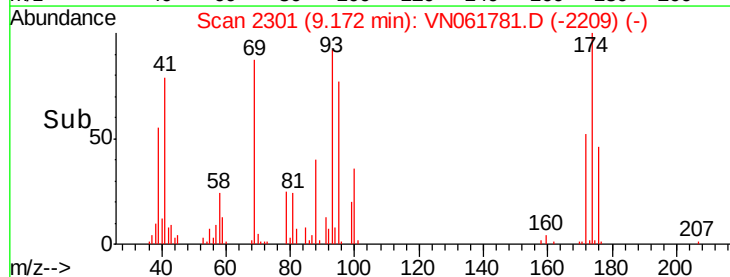
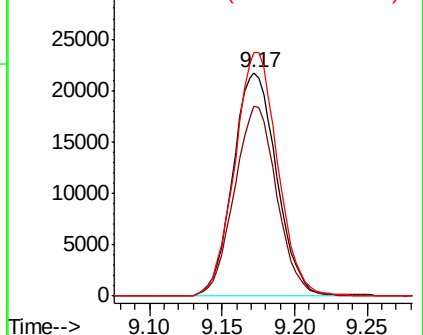
174 107.9 82.5 123.7

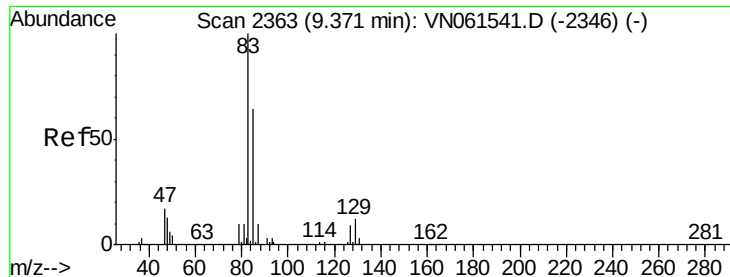


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

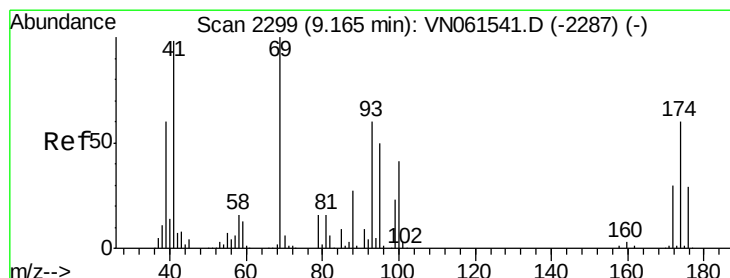
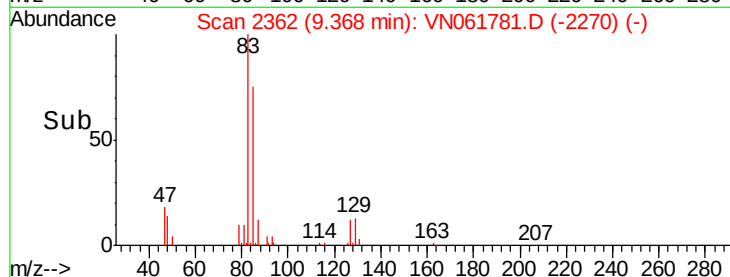
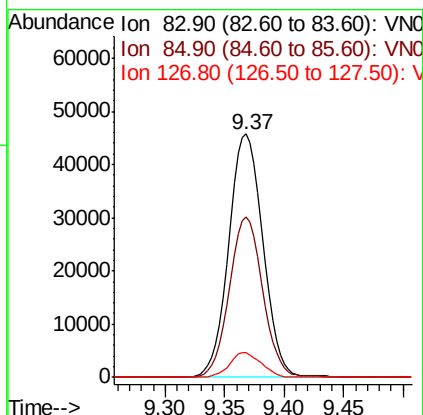
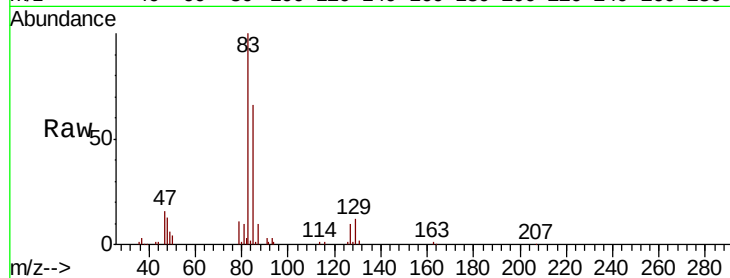




#47
Bromodichloromethane
Concen: 17.981 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

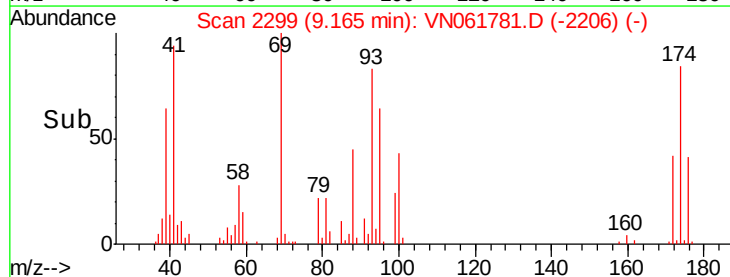
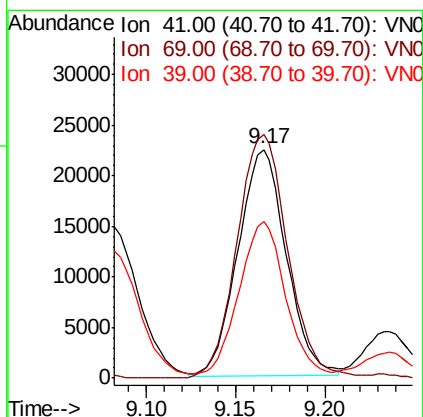
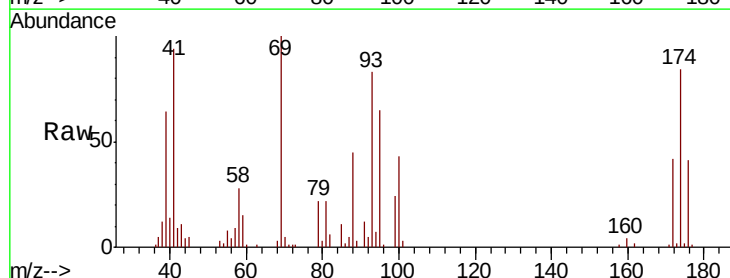
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

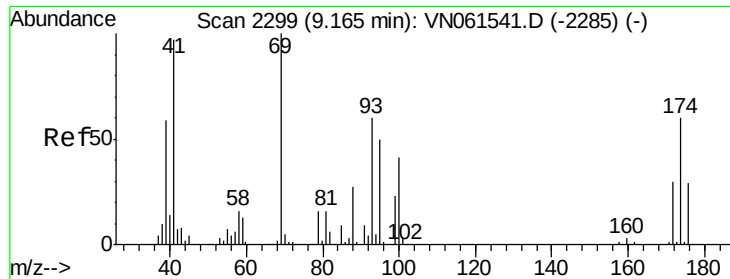
Tot Ion: 83 Resp: 91227
Ion Ratio Lower Upper
83 100
85 65.7 51.1 76.7
127 10.3 7.2 10.8



#48
Methyl methacrylate
Concen: 14.258 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

Tgt Ion: 41 Resp: 42361
Ion Ratio Lower Upper
41 100
69 113.0 83.9 125.9
39 67.5 52.1 78.1





#49

1,4-Dioxane

Concen: 515.185 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampled :

VN0612WBS01

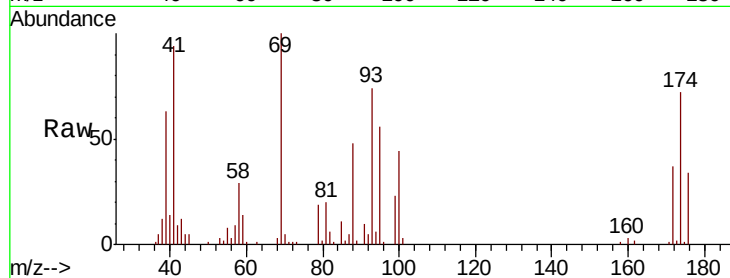
Tot Ion: 88 Resp: 23713

Ion Ratio Lower Upper

88 100

43 24.7 23.1 34.7

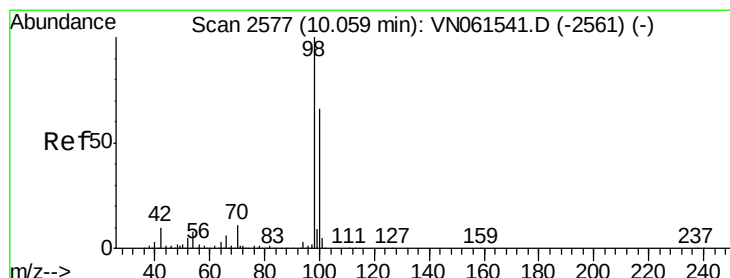
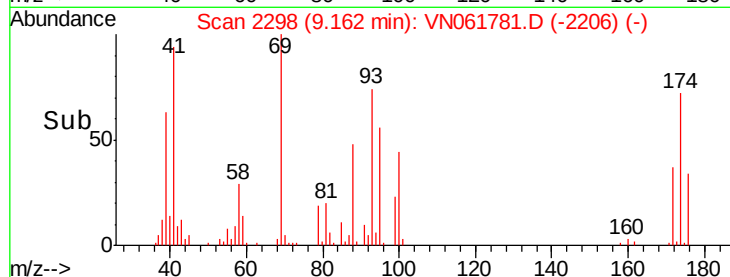
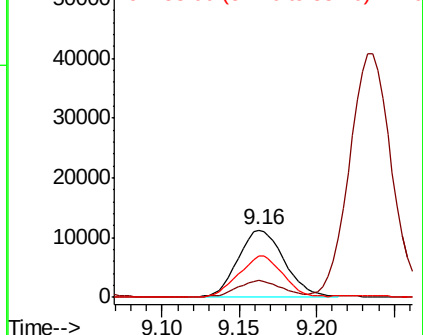
58 58.6 48.3 72.5



Abundance Ion 88.00 (87.70 to 88.70): VN061541.D (-2285) (-)

Ion 43.00 (42.70 to 43.70): VN061541.D (-2285) (-)

Ion 58.00 (57.70 to 58.70): VN061541.D (-2285) (-)



#50

Toluene-d8

Concen: 52.172 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061781.D

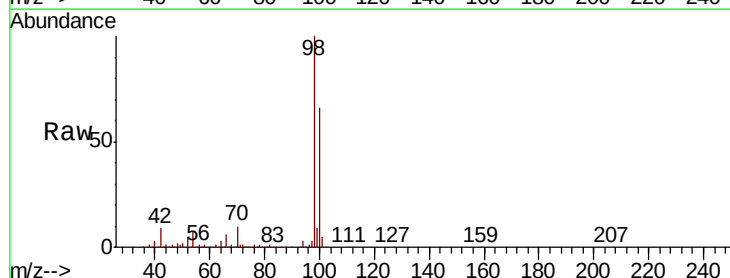
Acq: 12 Jun 2020 11:09

Tgt Ion: 98 Resp: 631380

Ion Ratio Lower Upper

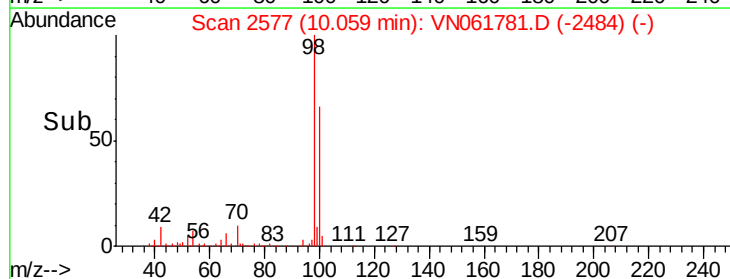
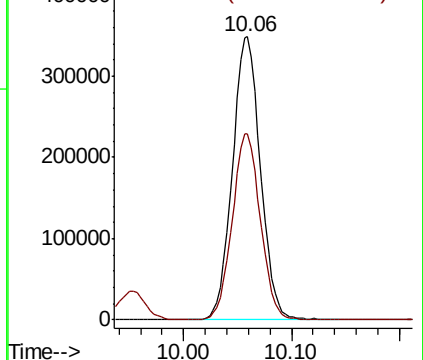
98 100

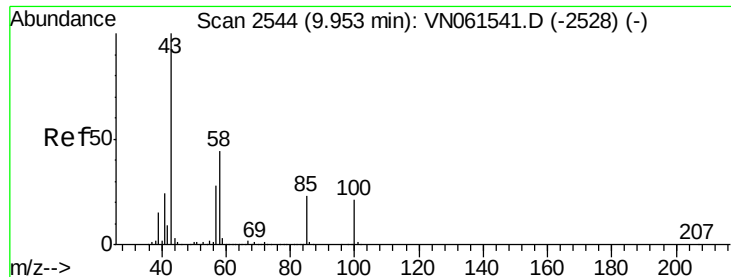
100 65.7 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN061541.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061541.D (-2561) (-)

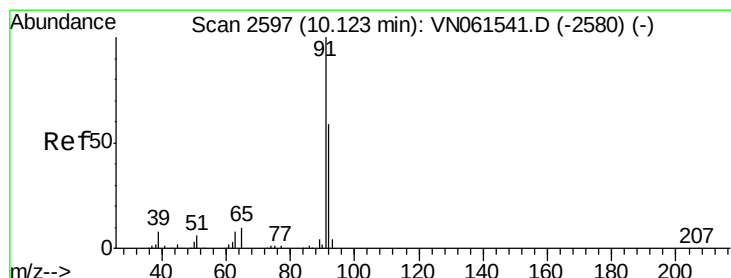
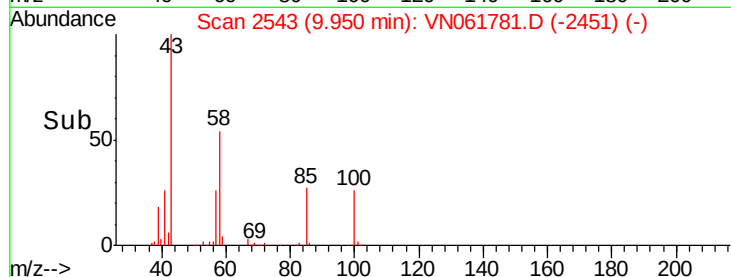
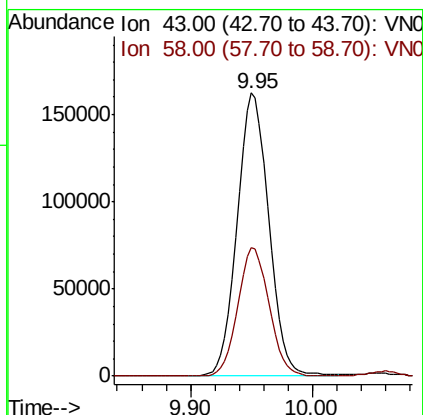
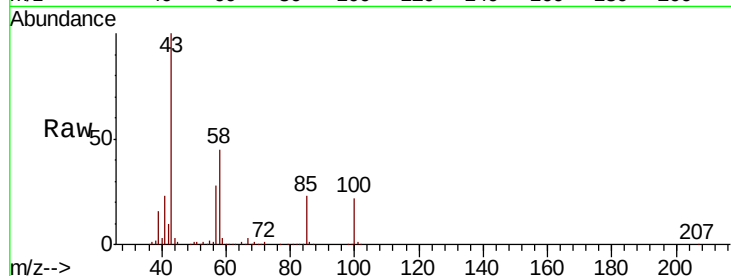




#51
4-Methyl-2-Pentanone
Concen: 78.123 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

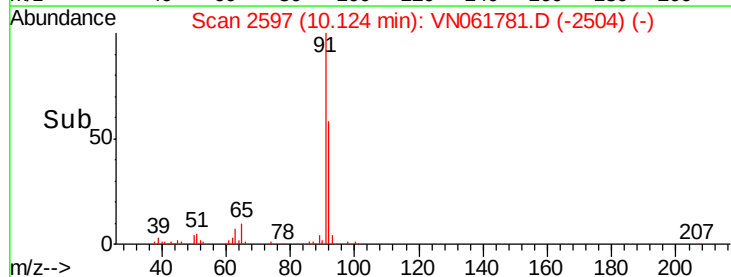
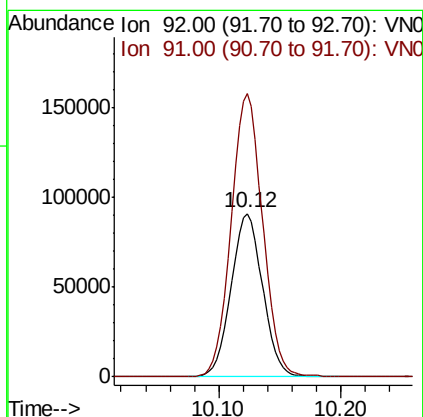
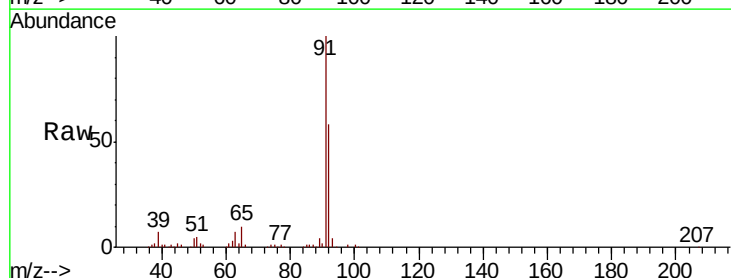
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

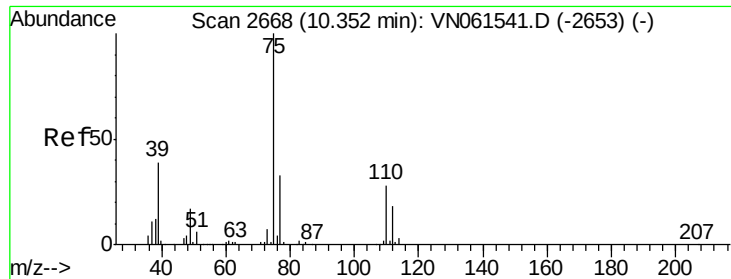
Tot Ion: 43 Resp: 290728
Ion Ratio Lower Upper
43 100
58 44.8 35.0 52.6



#52
Toluene
Concen: 17.847 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. 0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

Tgt Ion: 92 Resp: 163797
Ion Ratio Lower Upper
92 100
91 173.1 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 16.911 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampled :

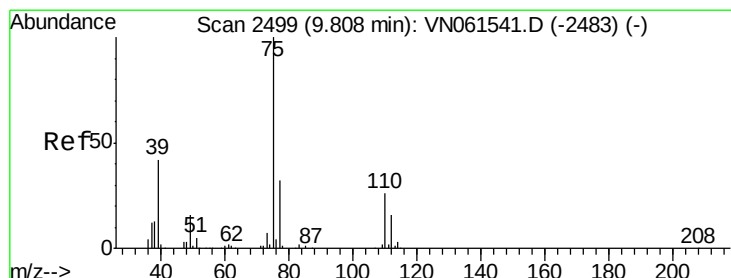
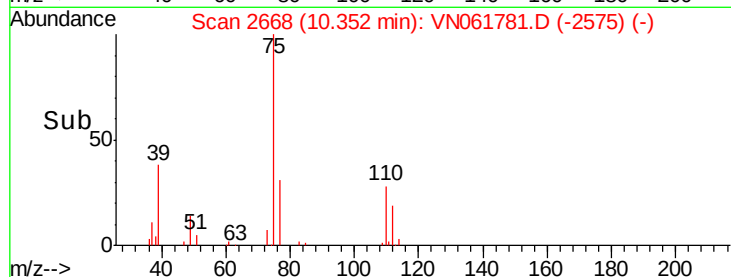
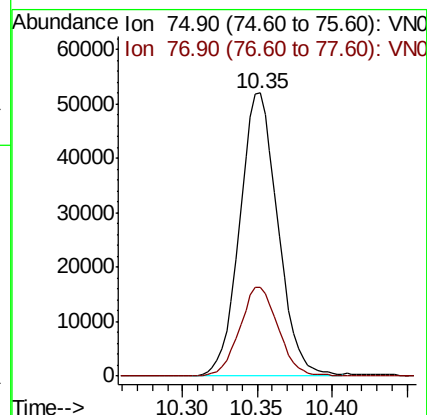
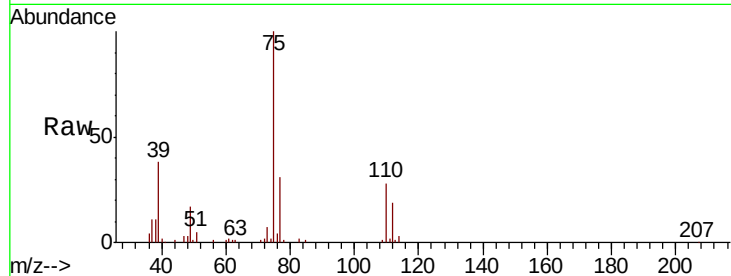
VN0612WBS01

Tot Ion: 75 Resp: 92426

Ion Ratio Lower Upper

75 100

77 31.2 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 17.263 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

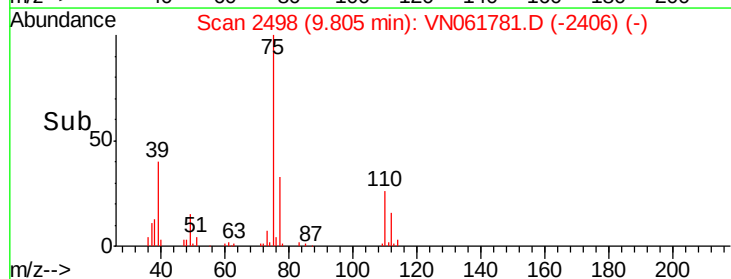
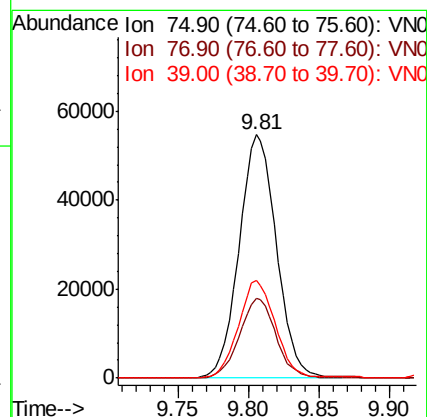
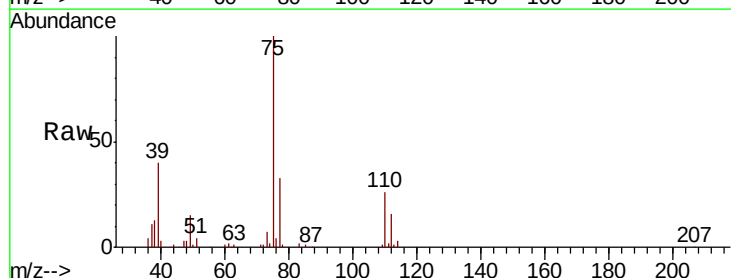
Tgt Ion: 75 Resp: 101445

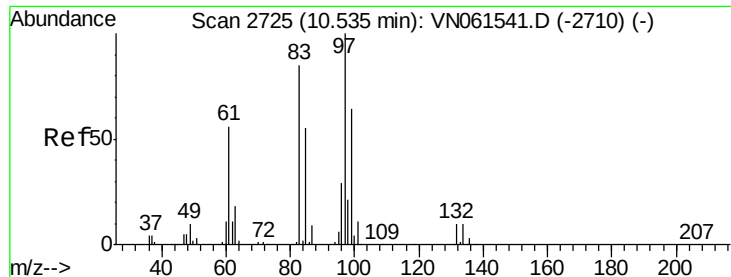
Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.2

39 40.0 33.8 50.6



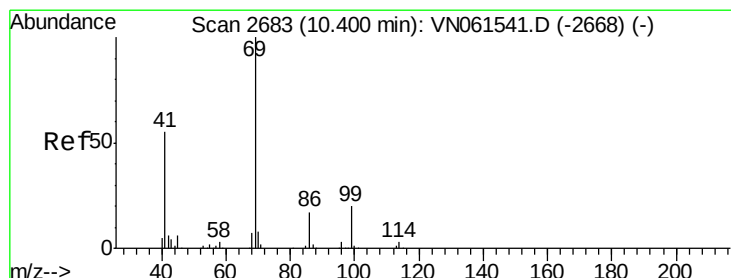
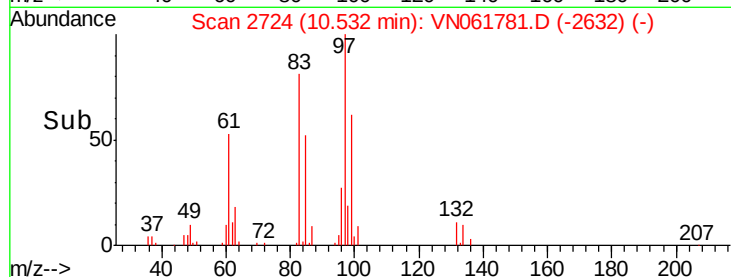
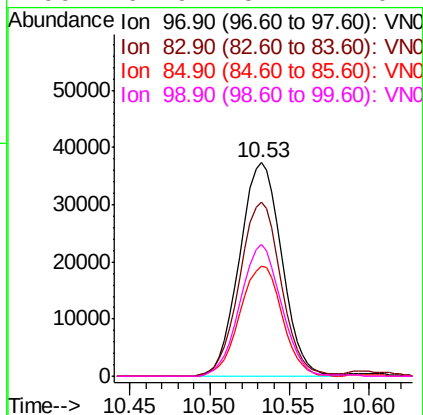
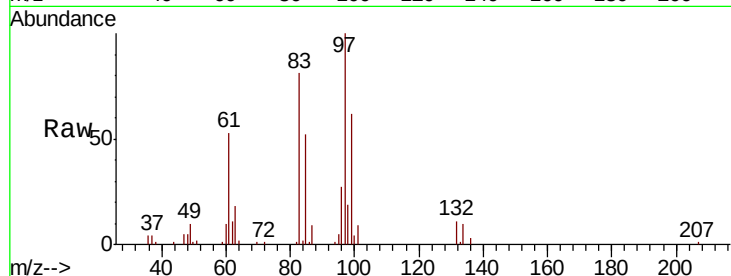


#55
 1,1,2-Trichloroethane
 Concen: 18.448 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061781.D
 Acq: 12 Jun 2020 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

Tot Ion: 97 Resp: 67452

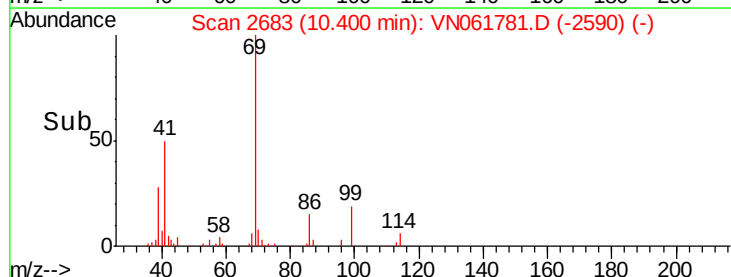
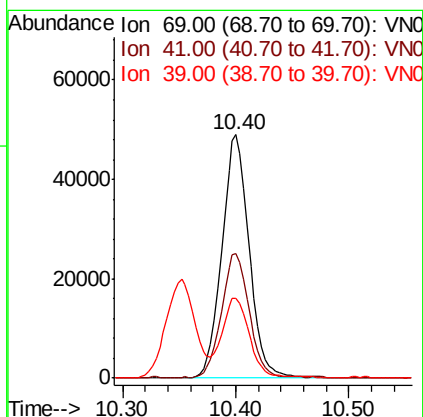
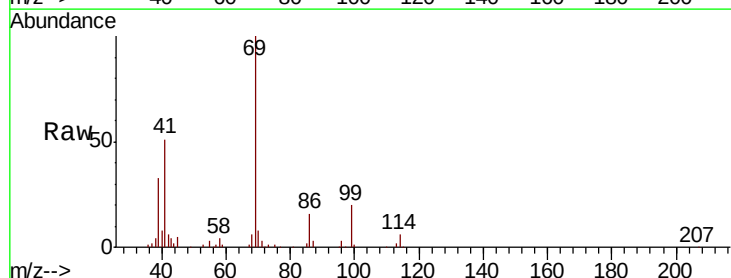
Ion	Ratio	Lower	Upper
97	100		
83	81.5	68.1	102.1
85	51.7	44.1	66.1
99	61.9	51.1	76.7

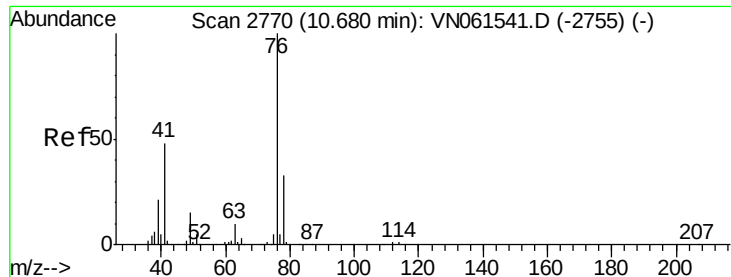


#56
 Ethyl methacrylate
 Concen: 16.079 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061781.D
 Acq: 12 Jun 2020 11:09

Tgt Ion: 69 Resp: 82127

Ion	Ratio	Lower	Upper
69	100		
41	50.9	43.5	65.3
39	32.3	27.0	40.6





#57

1,3-Dichloropropane

Concen: 17.803 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

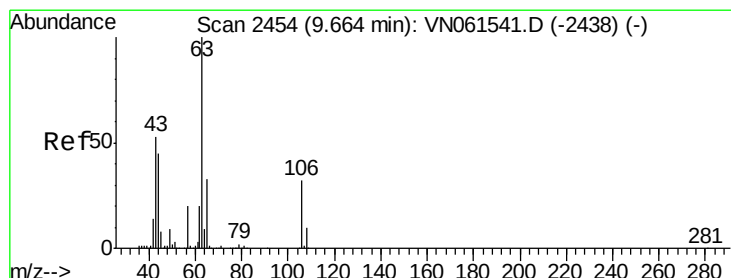
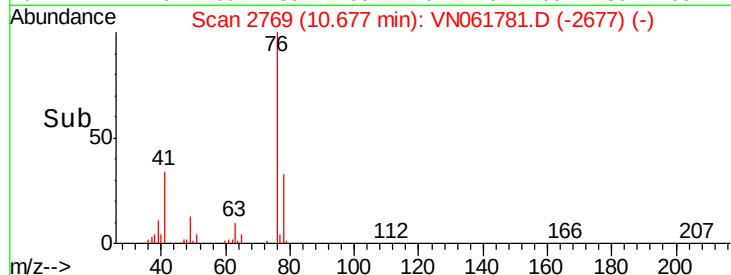
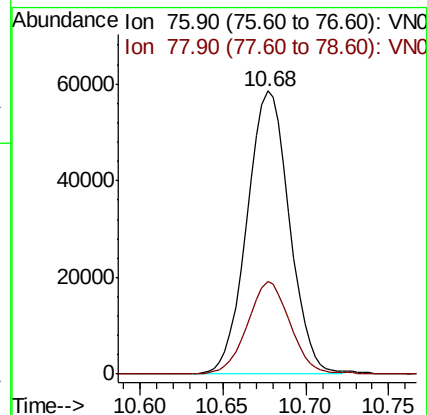
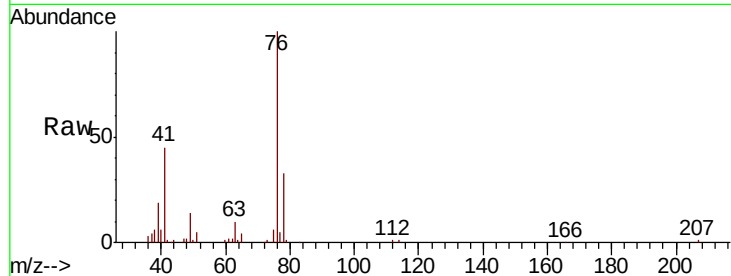
VN0612WBS01

Tot Ion: 76 Resp: 104113

Ion Ratio Lower Upper

76 100

78 32.9 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 51.627 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VN061781.D

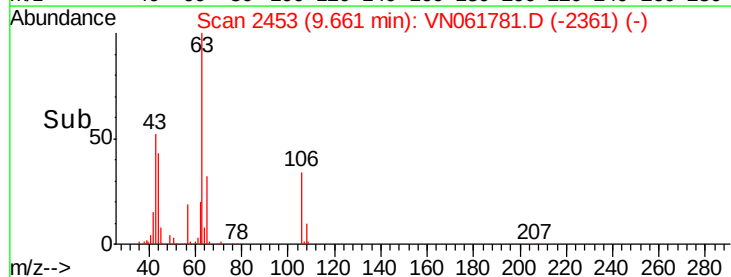
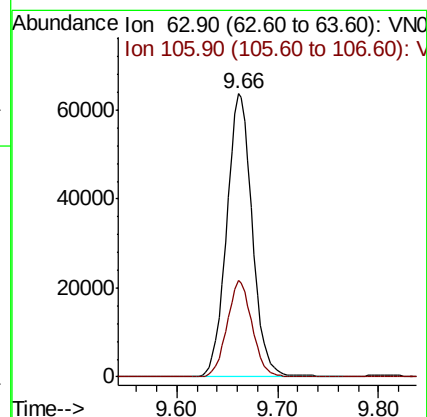
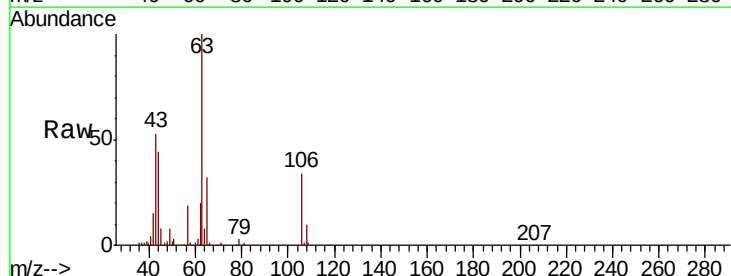
Acq: 12 Jun 2020 11:09

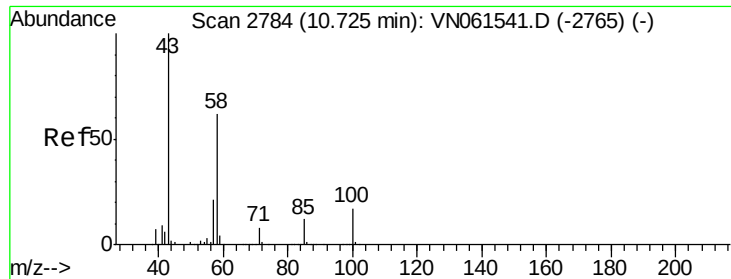
Tgt Ion: 63 Resp: 112689

Ion Ratio Lower Upper

63 100

106 33.2 25.9 38.9

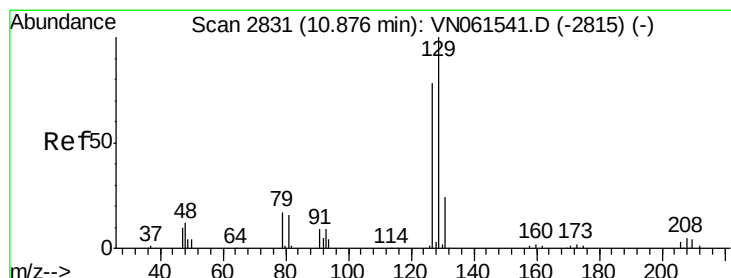
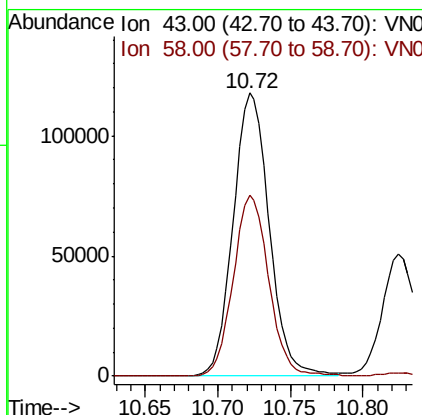
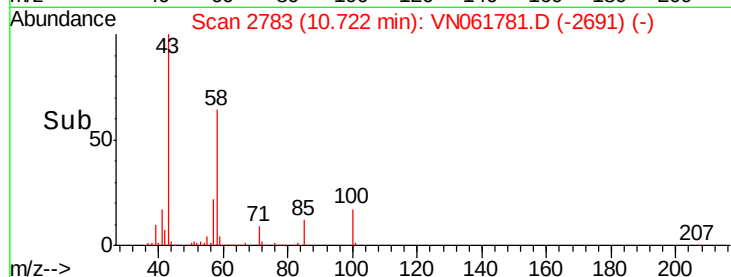
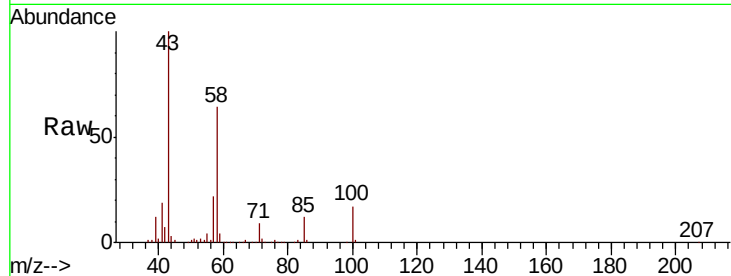




#59
2-Hexanone
Concen: 76.017 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

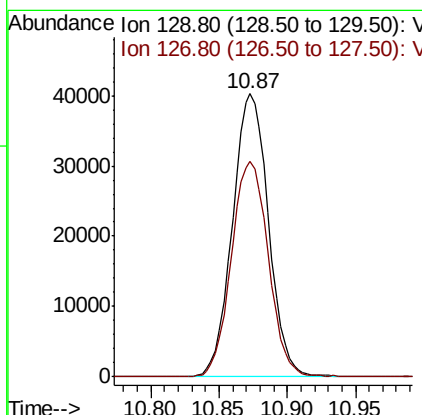
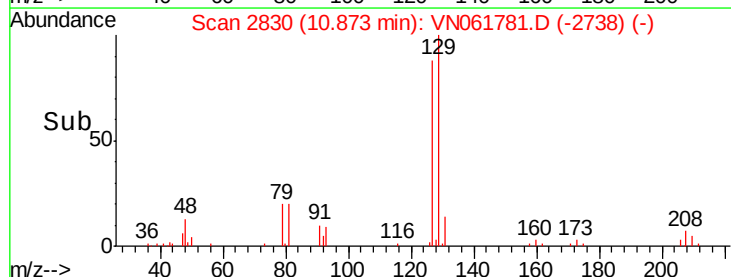
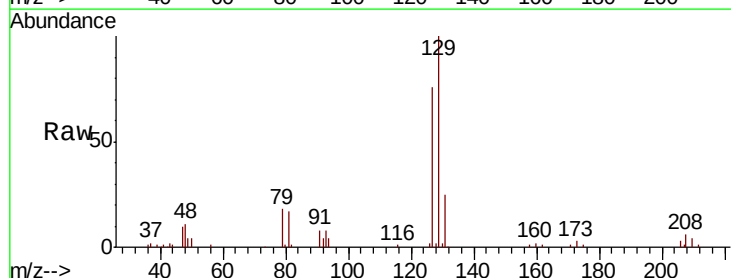
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

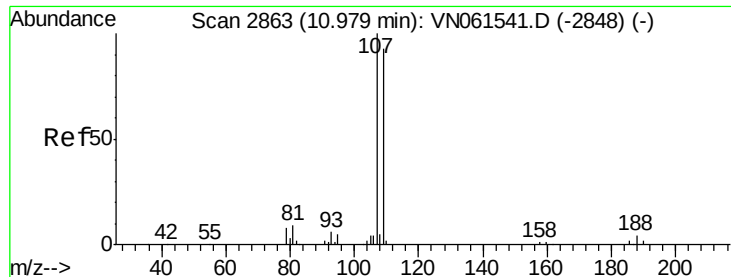
Tot Ion: 43 Resp: 203163
Ion Ratio Lower Upper
43 100
58 63.2 30.7 92.1



#60
Dibromochloromethane
Concen: 17.727 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

Tgt Ion: 129 Resp: 73688
Ion Ratio Lower Upper
129 100
127 78.3 38.8 116.3

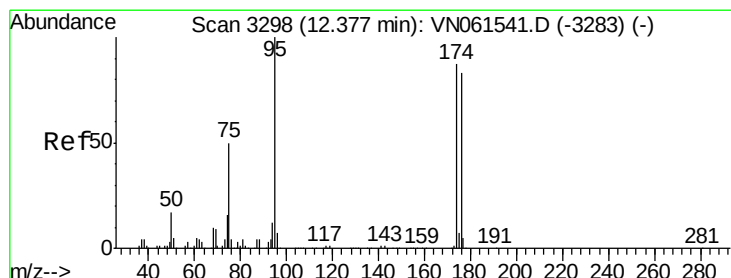
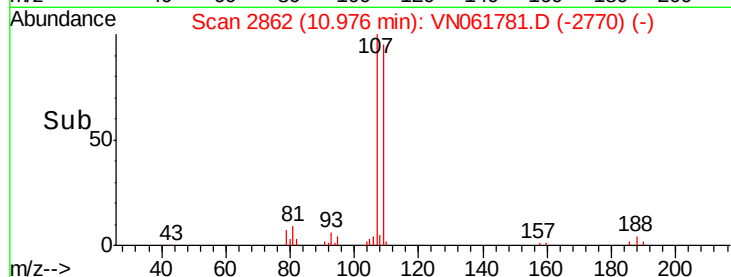
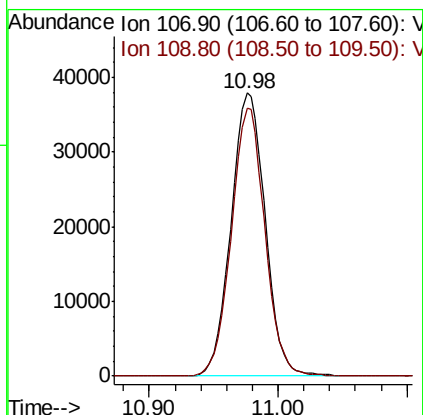
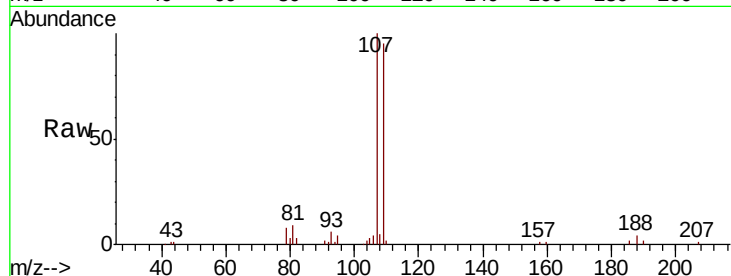




#61
 1,2-Dibromoethane
 Concen: 18.241 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061781.D
 Acq: 12 Jun 2020 11:09

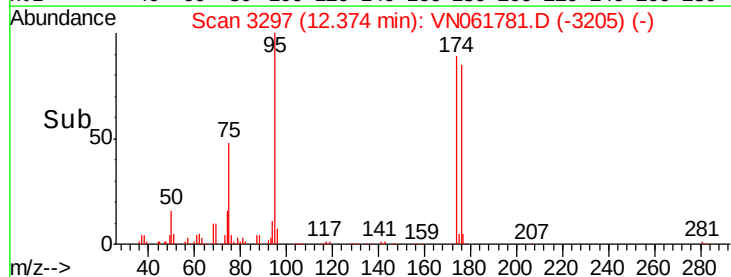
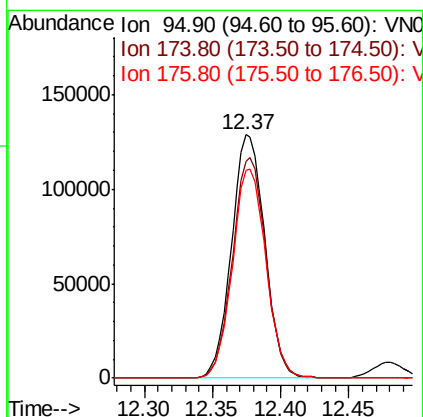
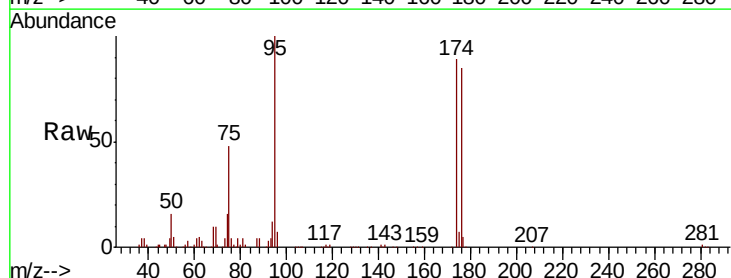
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

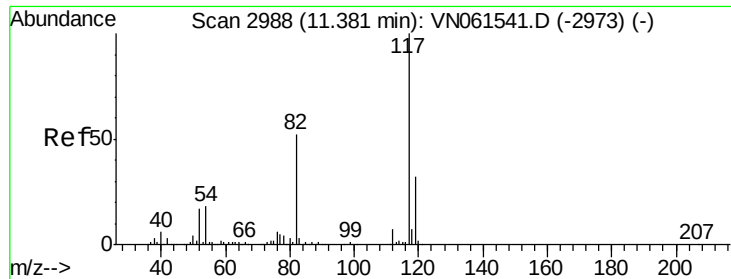
Tot Ion:107 Resp: 69560
 Ion Ratio Lower Upper
 107 100
 109 93.0 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 49.365 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061781.D
 Acq: 12 Jun 2020 11:09

Tgt Ion: 95 Resp: 217955
 Ion Ratio Lower Upper
 95 100
 174 91.3 0.0 172.8
 176 86.6 0.0 164.8

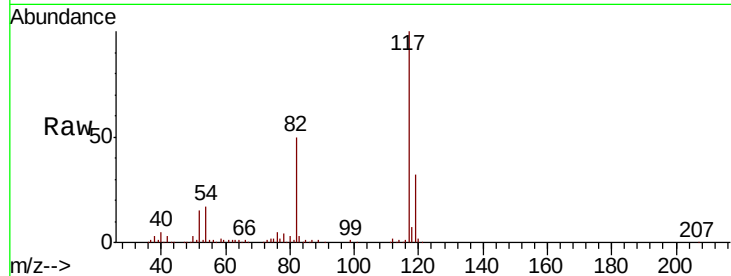




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	41.5	62.3
119	31.9	25.6	38.4

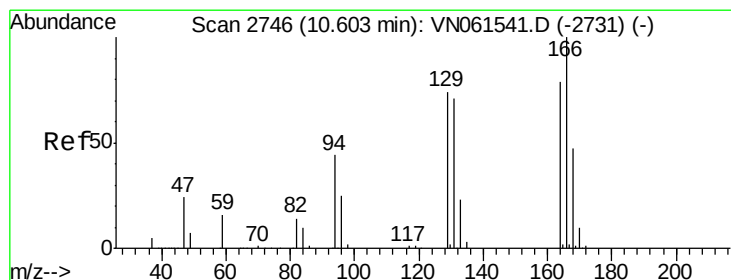
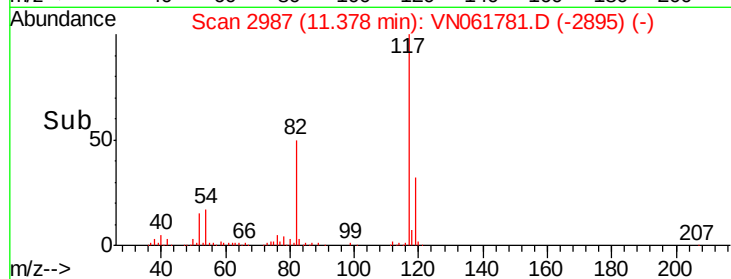
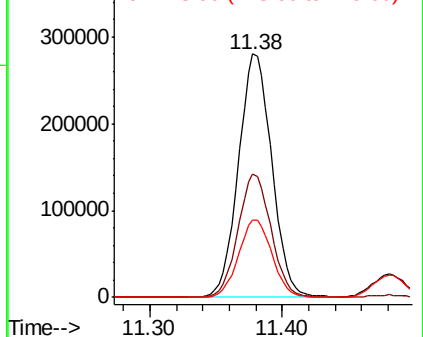


Abundance

Ion 116.90 (116.60 to 117.60): V

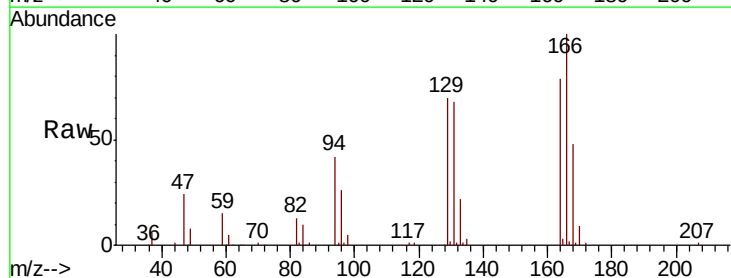
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 17.637 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	101.5	152.3
129	88.6	74.9	112.3
131	86.4	72.2	108.2



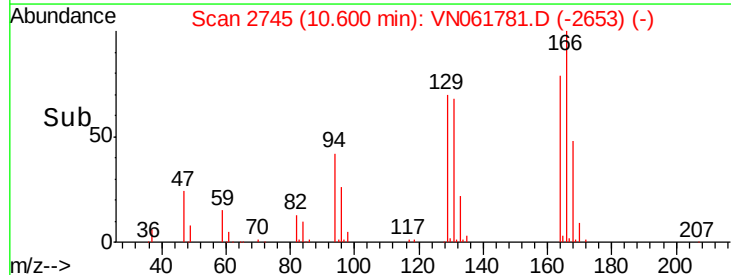
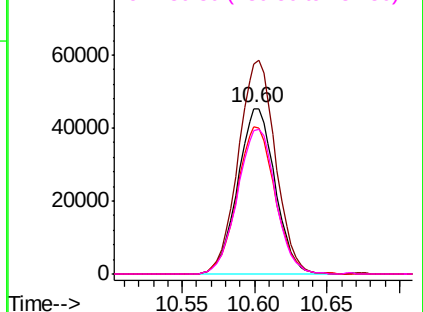
Abundance

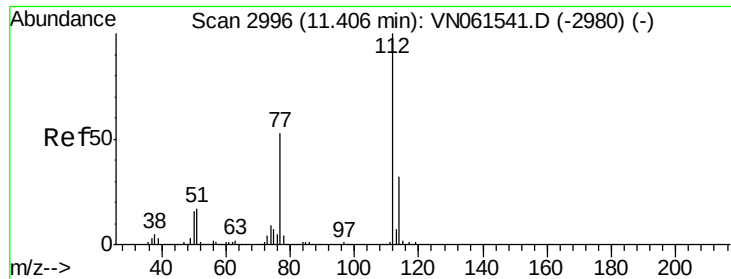
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

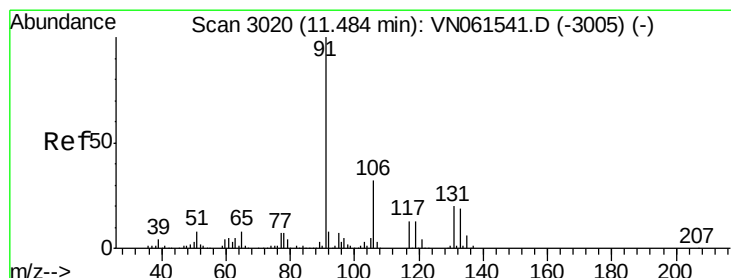
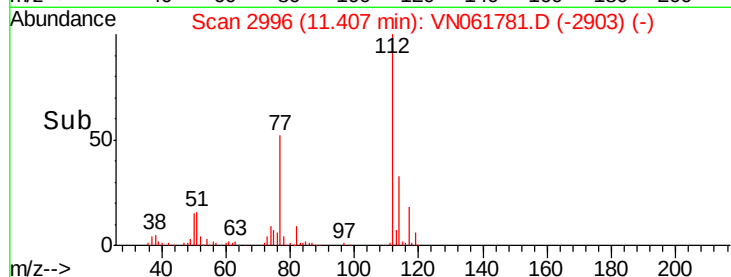
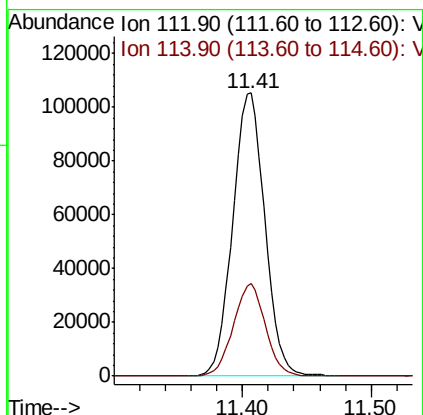
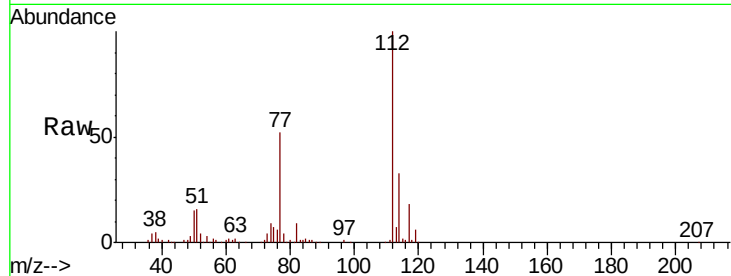




#65
Chlorobenzene
Concen: 17.939 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

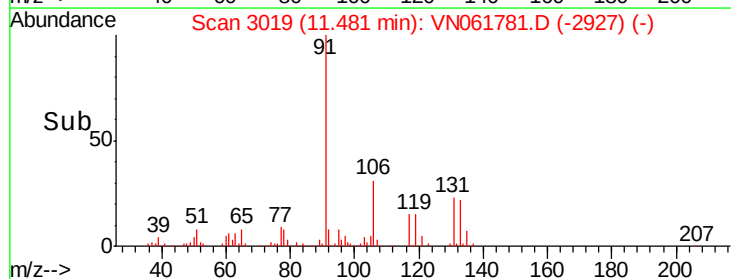
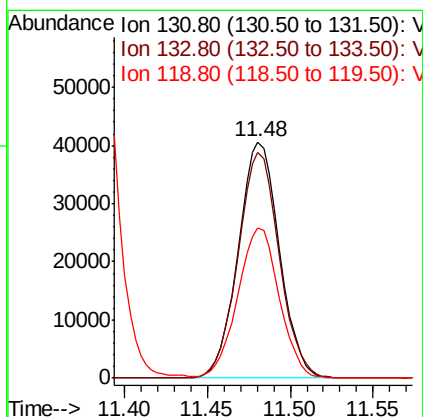
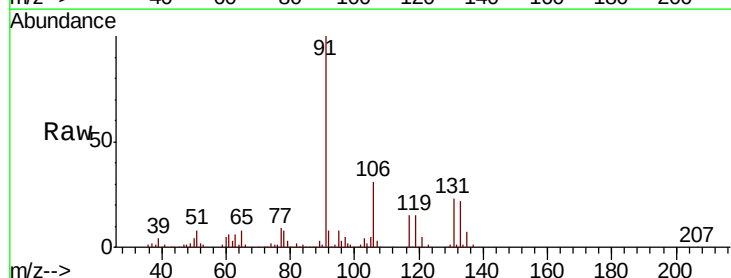
Instrument :
MSVOA_N
ClientSampled :
VN0612WBS01

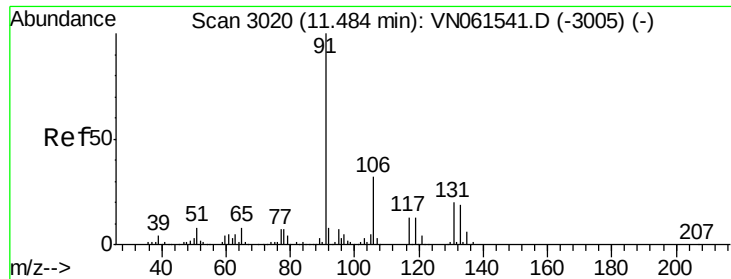
Tot Ion:112 Resp: 182308
Ion Ratio Lower Upper
112 100
114 32.9 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 18.487 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

Tgt Ion:131 Resp: 69957
Ion Ratio Lower Upper
131 100
133 96.0 47.4 142.2
119 64.3 32.6 97.8

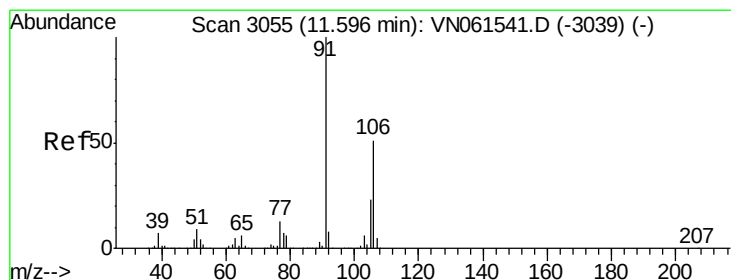
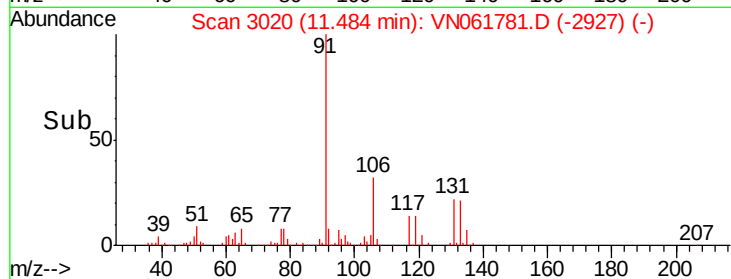
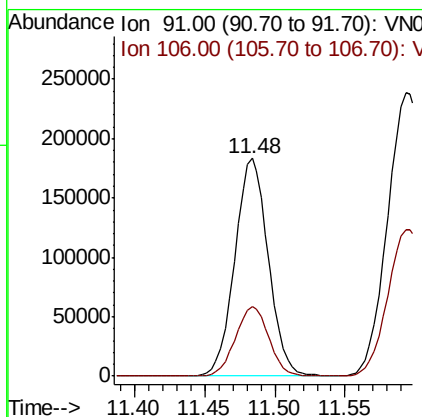
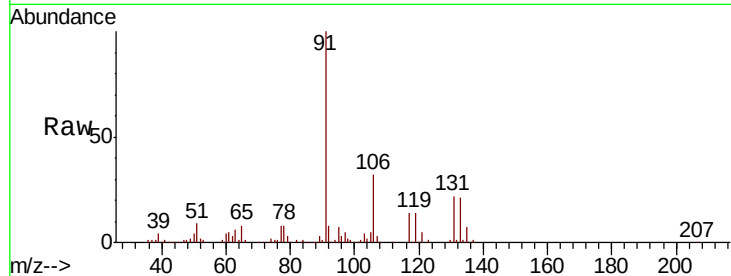




#67
Ethyl Benzene
Concen: 17.370 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

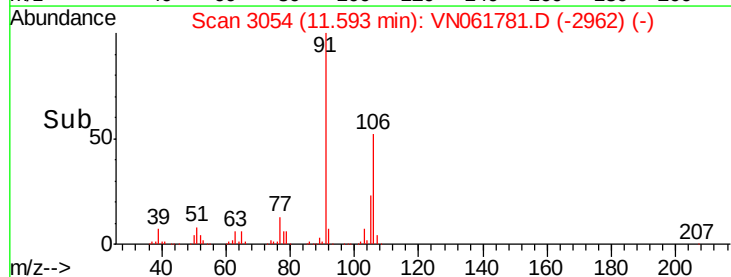
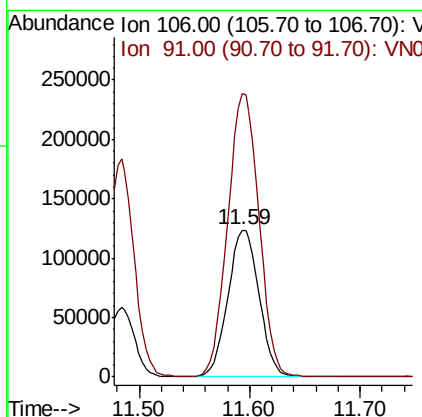
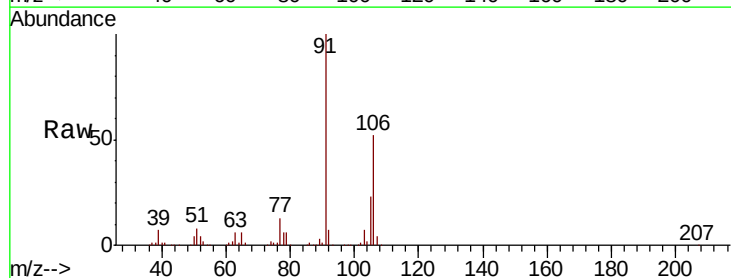
Instrument :
MSVOA_N
ClientSampled :
VN0612WBS01

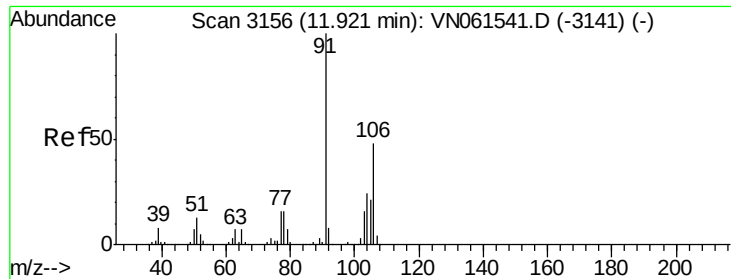
Tot Ion: 91 Resp: 305101
Ion Ratio Lower Upper
91 100
106 31.9 25.6 38.4



#68
m/p-Xylenes
Concen: 34.719 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

Tgt Ion: 106 Resp: 241800
Ion Ratio Lower Upper
106 100
91 192.8 156.2 234.4

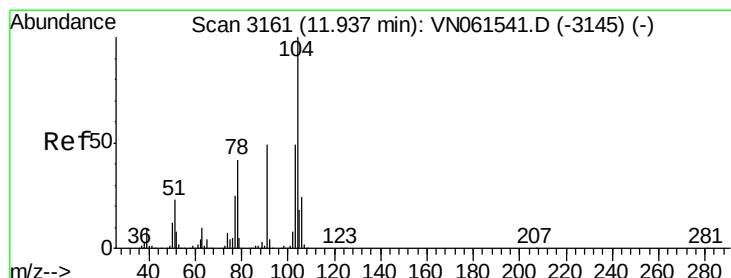
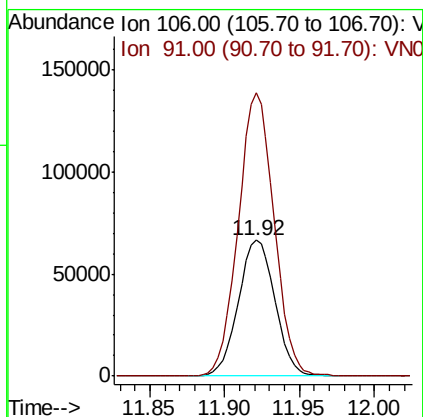
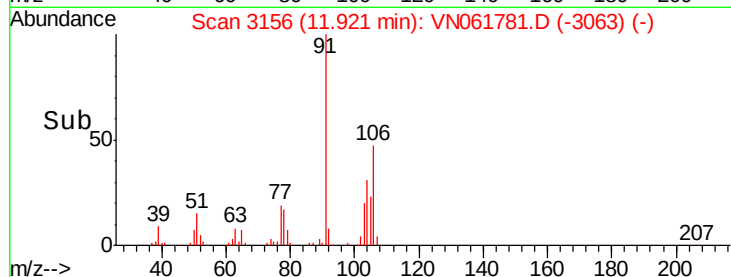
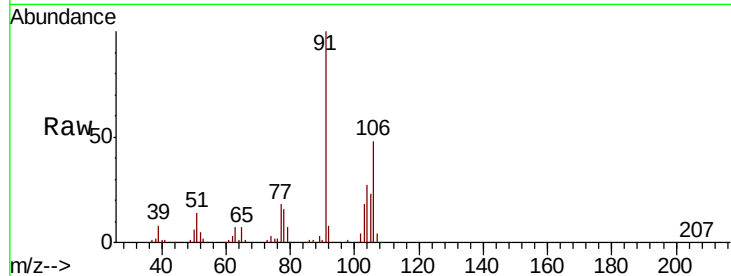




#69
o-Xylene
Concen: 17.164 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

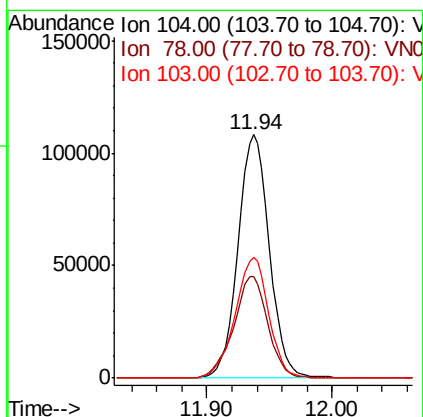
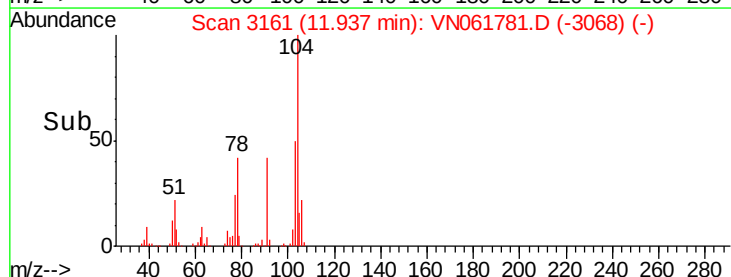
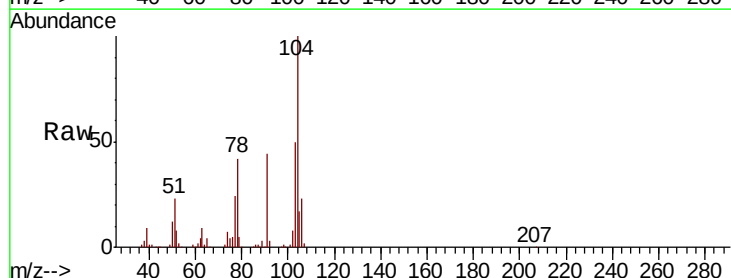
Instrument :
MSVOA_N
ClientSampled :
VN0612WBS01

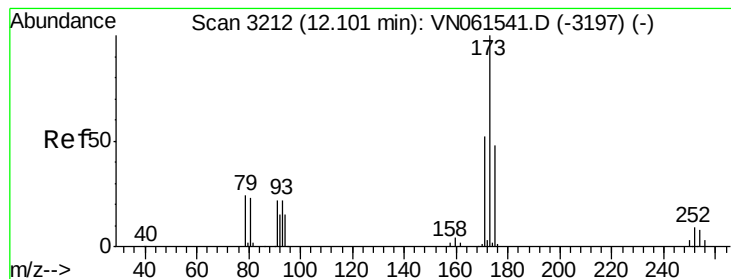
Tot Ion:106 Resp: 113542
Ion Ratio Lower Upper
106 100
91 203.4 103.3 309.8



#70
Styrene
Concen: 17.138 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

Tgt Ion:104 Resp: 187741
Ion Ratio Lower Upper
104 100
78 45.5 37.4 56.0
103 53.2 42.3 63.5





#71

Bromoform

Concen: 17.599 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

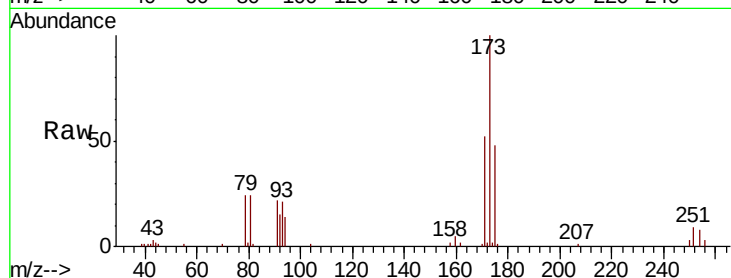
Tot Ion:173 Resp: 51315

Ion Ratio Lower Upper

173 100

175 46.5 24.4 73.2

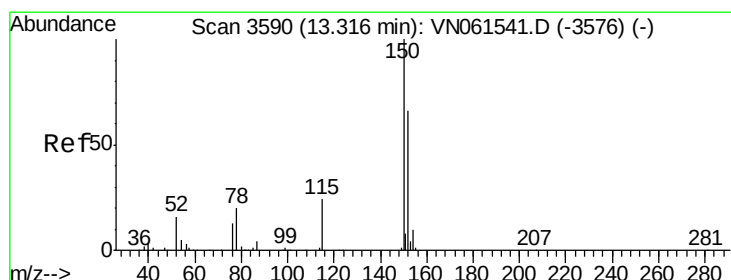
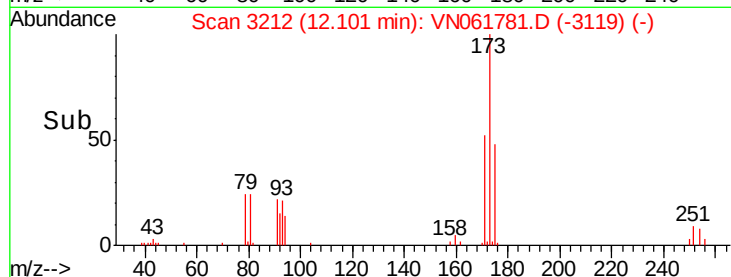
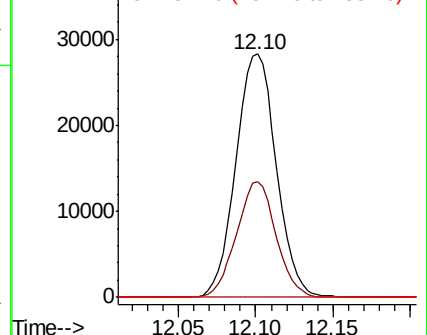
254 0.0 0.0 0.0



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: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

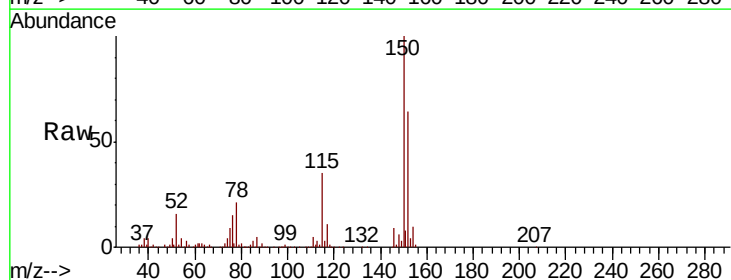
Tgt Ion:152 Resp: 243358

Ion Ratio Lower Upper

152 100

115 54.4 28.0 84.0

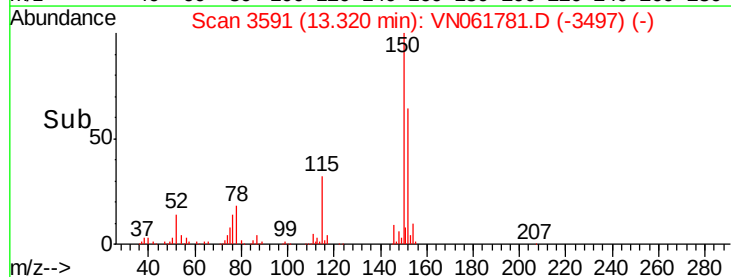
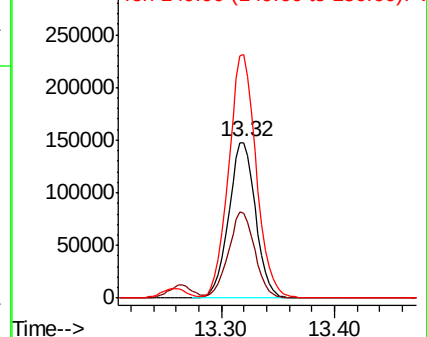
150 160.6 0.0 344.0

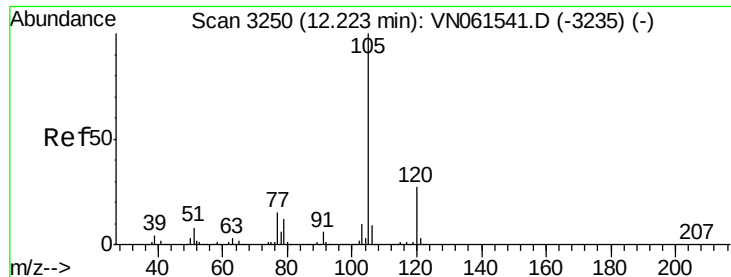


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 16.867 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

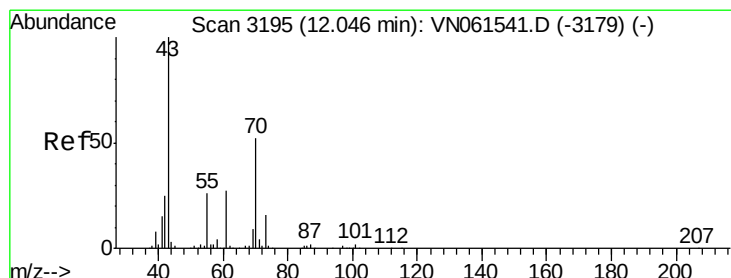
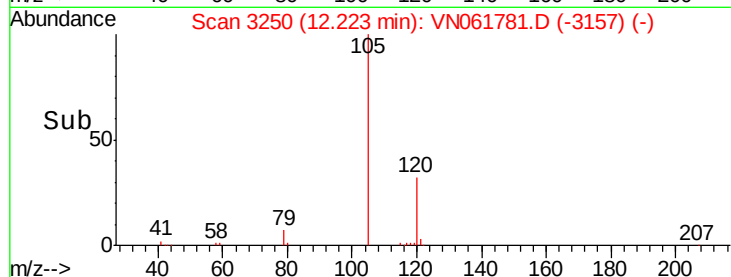
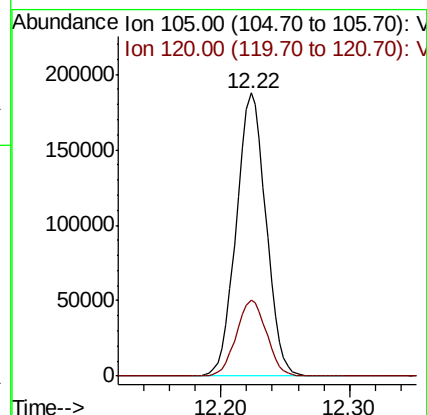
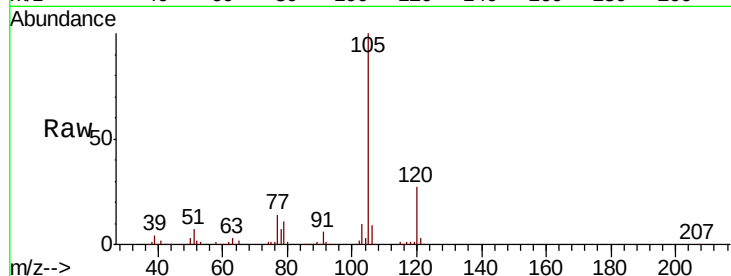
VN0612WBS01

Tot Ion:105 Resp: 299587

Ion Ratio Lower Upper

105 100

120 27.3 13.8 41.3



#74

N-ethyl acetate

Concen: 14.072 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Tgt Ion: 43 Resp: 78713

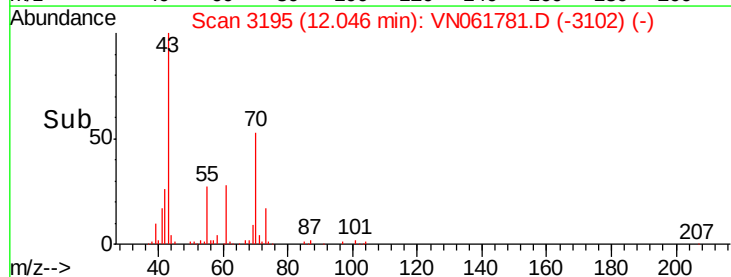
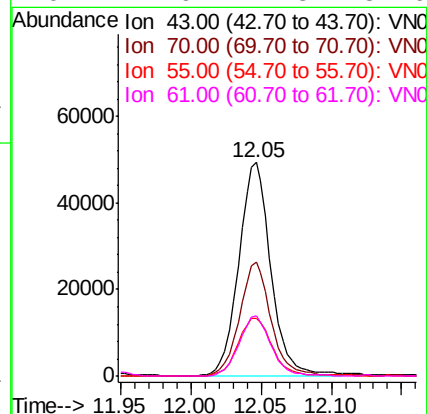
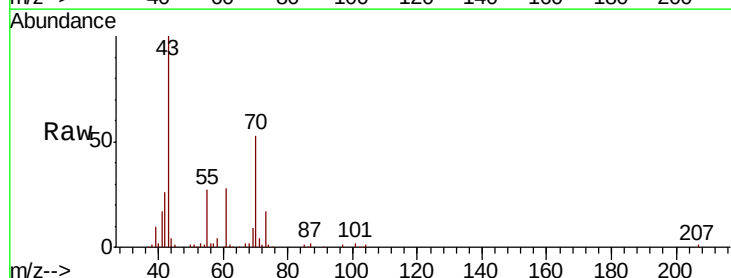
Ion Ratio Lower Upper

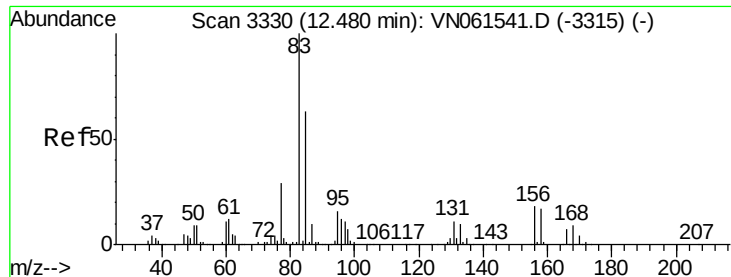
43 100

70 52.0 40.5 60.7

55 28.6 20.6 31.0

61 27.9 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.046 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampled :

VN0612WBS01

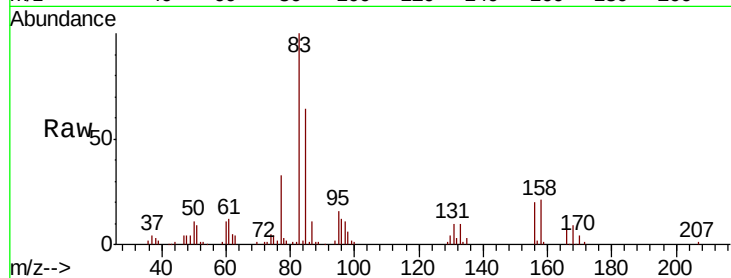
Tot Ion: 83 Resp: 84846

Ion Ratio Lower Upper

83 100

131 10.5 5.5 16.5

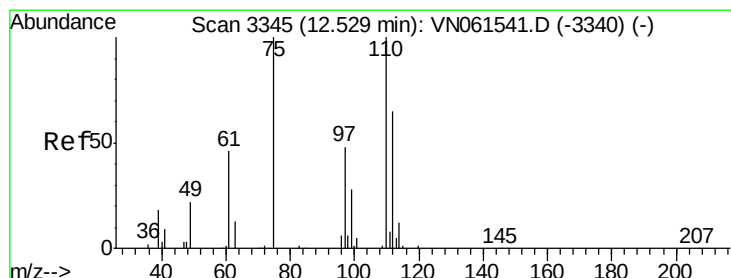
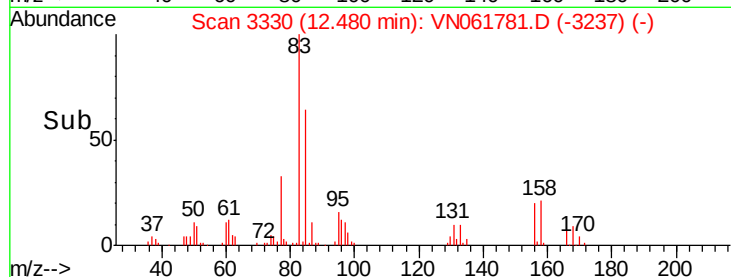
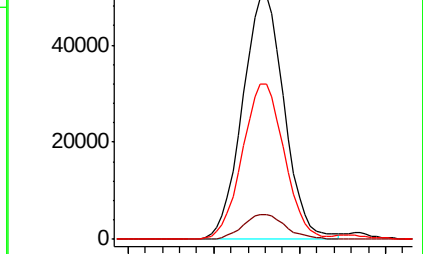
85 63.8 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN061781.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN061781.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN061781.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 23.379 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061781.D

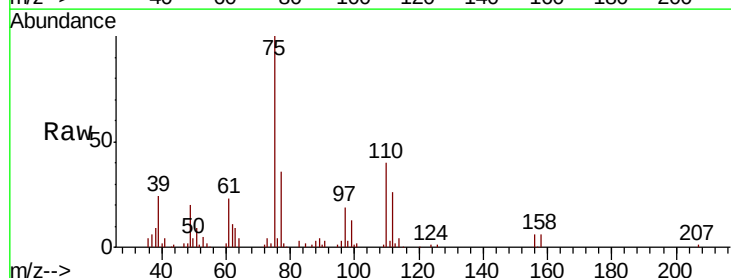
Acq: 12 Jun 2020 11:09

Tgt Ion: 75 Resp: 103458

Ion Ratio Lower Upper

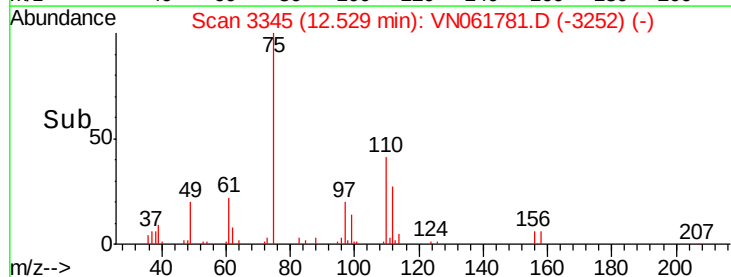
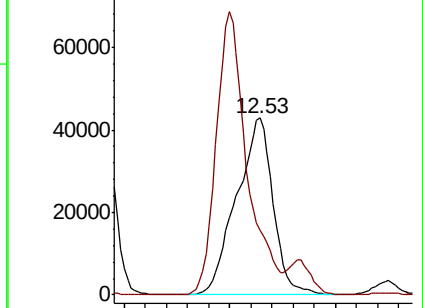
75 100

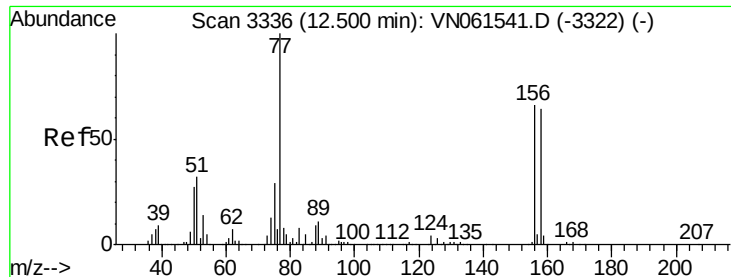
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061781.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061781.D (-3252) (-)





#77

Bromobenzene

Concen: 17.799 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

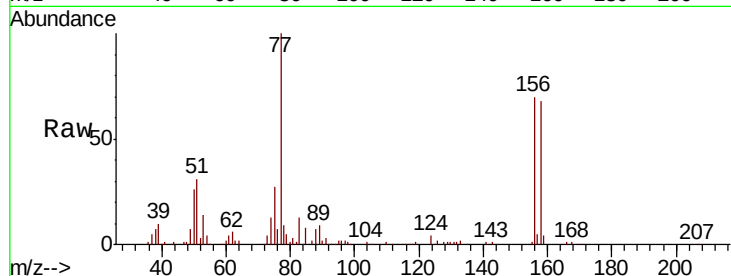
Tot Ion:156 Resp: 80700

Ion Ratio Lower Upper

156 100

77 171.6 90.9 272.7

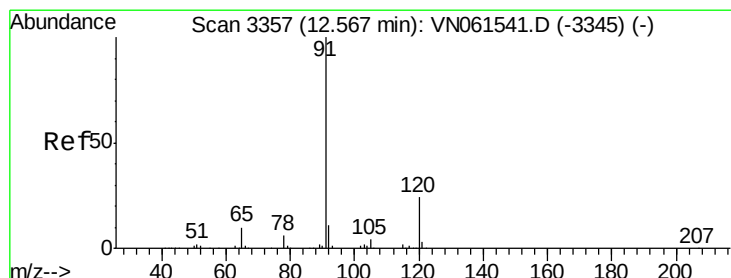
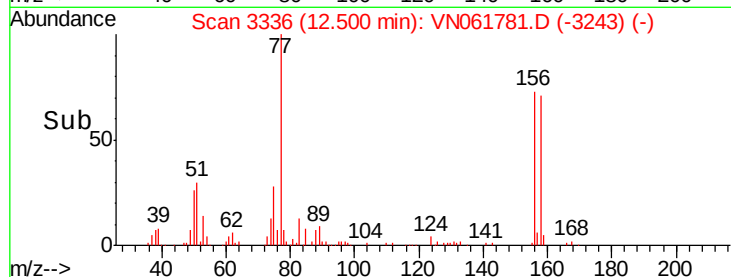
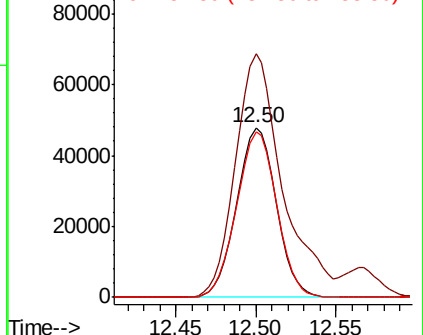
158 98.8 48.4 145.3



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: 16.813 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061781.D

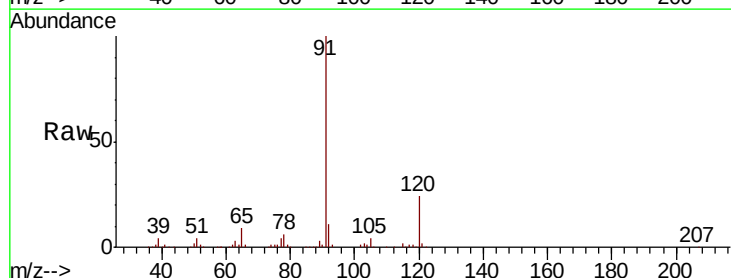
Acq: 12 Jun 2020 11:09

Tgt Ion: 91 Resp: 333385

Ion Ratio Lower Upper

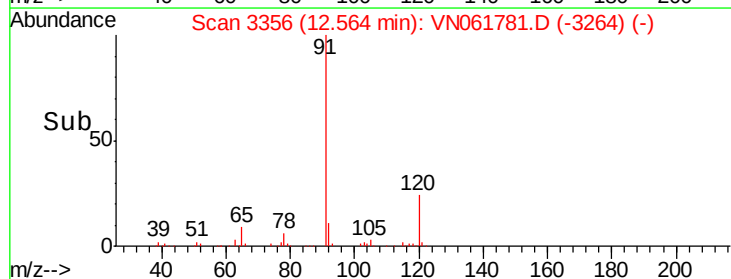
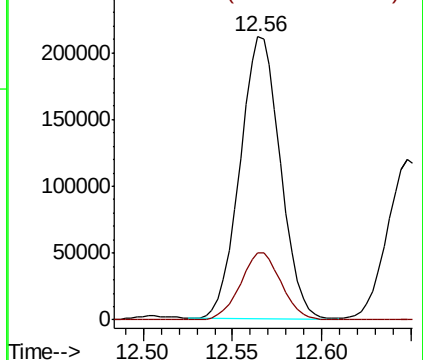
91 100

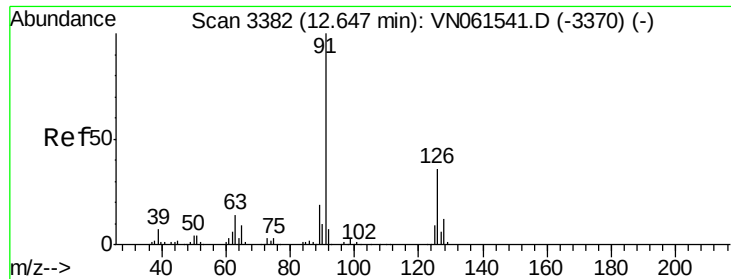
120 24.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

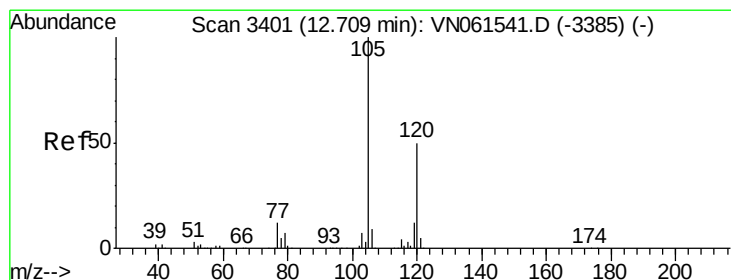
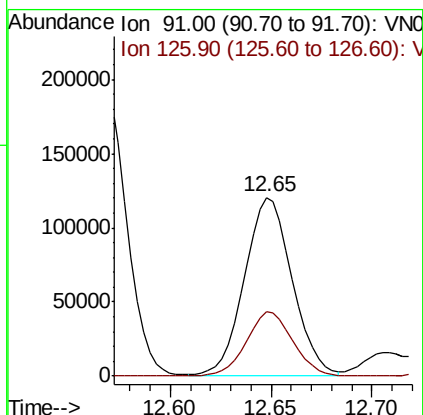
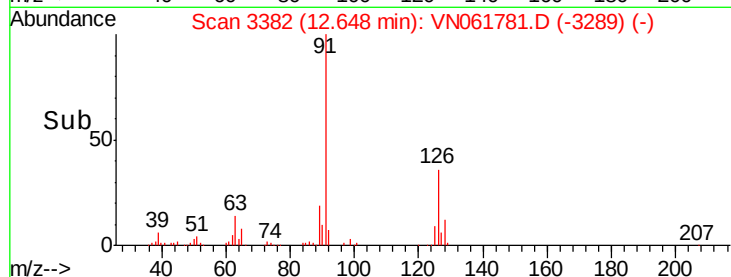
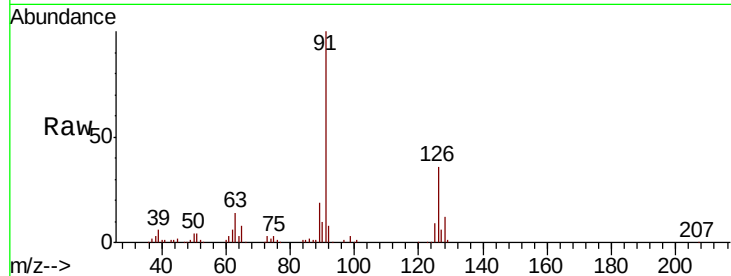




#79
2-Chlorotoluene
Concen: 16.687 ug/l
RT: 12.65 min Scan# 3382
Delta R.T. 0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

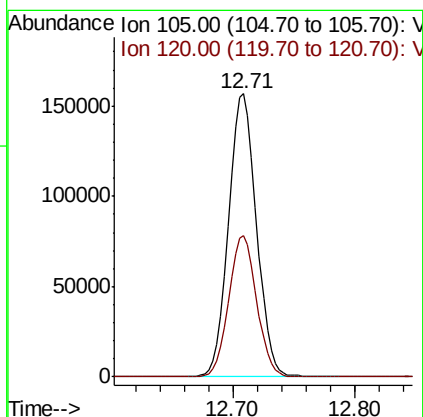
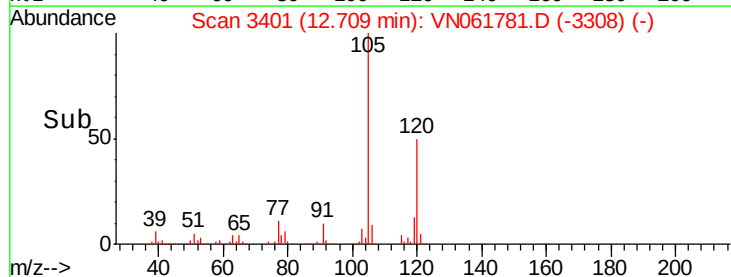
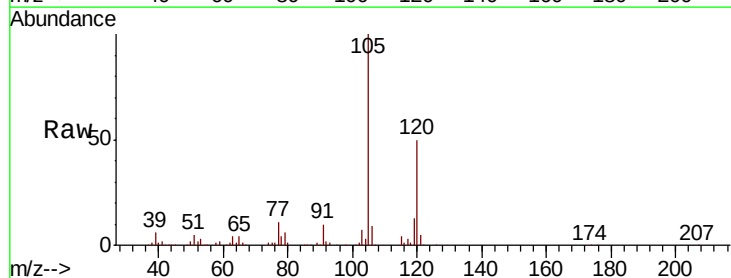
Instrument :
MSVOA_N
ClientSampled :
VN0612WBS01

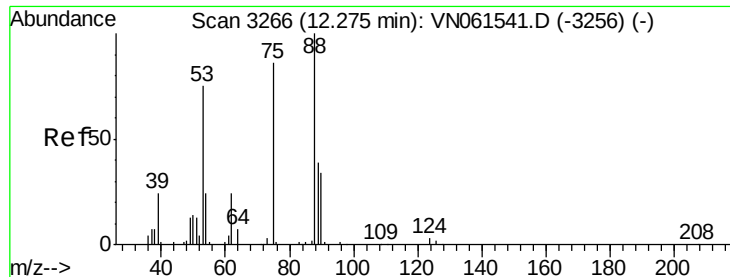
Tot Ion: 91 Resp: 197308
Ion Ratio Lower Upper
91 100
126 35.4 17.9 53.7



#80
1,3,5-Trimethylbenzene
Concen: 16.904 ug/l
RT: 12.71 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VN061781.D
Acq: 12 Jun 2020 11:09

Tgt Ion: 105 Resp: 250953
Ion Ratio Lower Upper
105 100
120 49.9 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 14.628 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

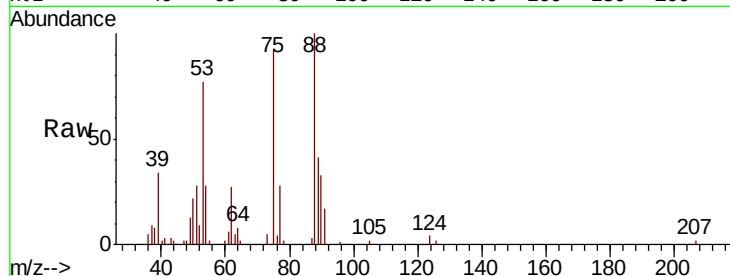
Tot Ion: 75 Resp: 25312

Ion Ratio Lower Upper

75 100

53 85.1 67.8 101.8

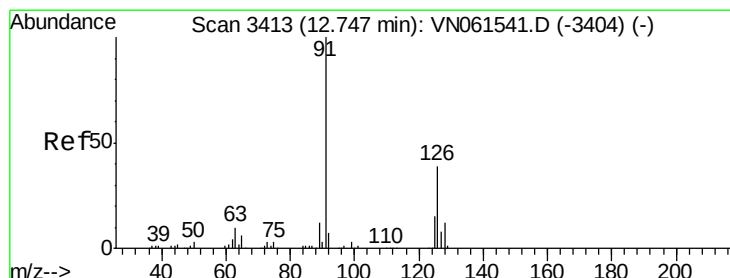
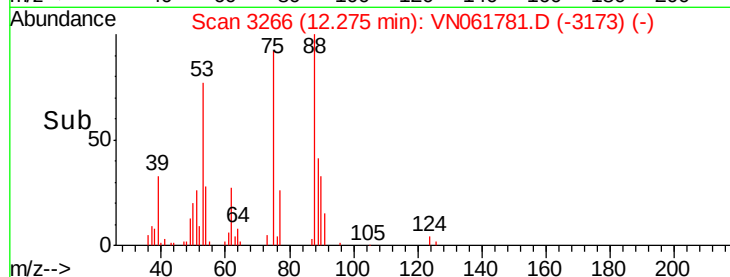
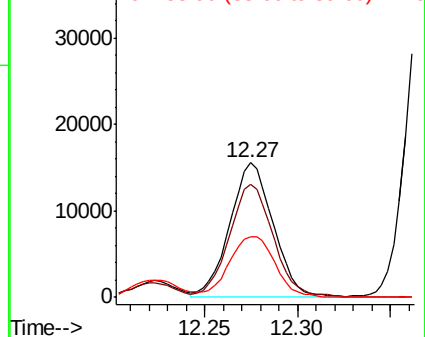
89 47.8 37.1 55.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 16.657 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061781.D

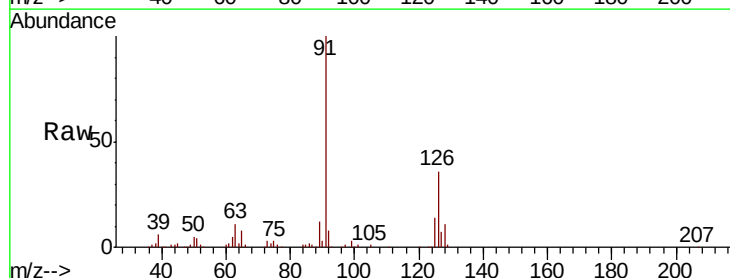
Acq: 12 Jun 2020 11:09

Tgt Ion: 91 Resp: 207189

Ion Ratio Lower Upper

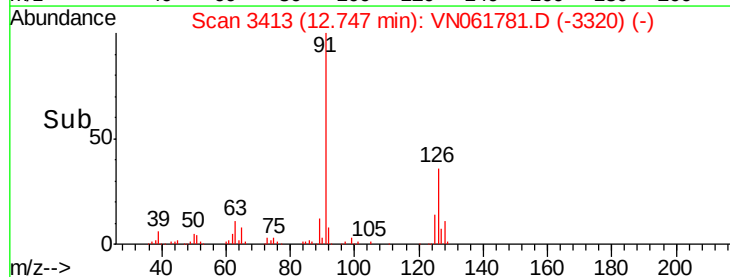
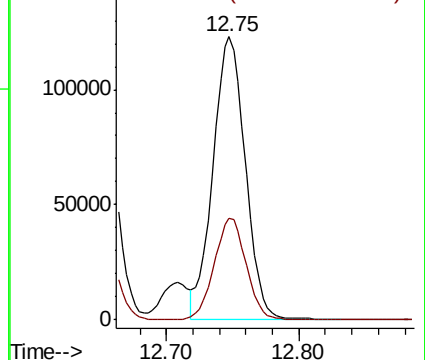
91 100

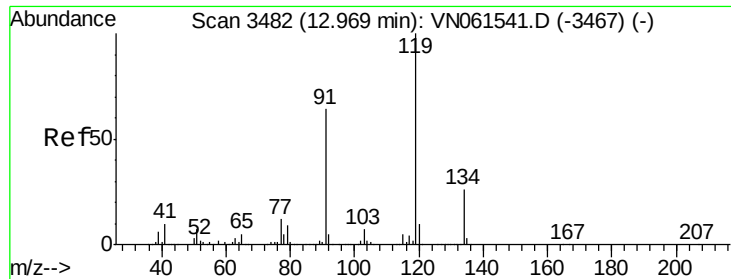
126 35.6 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

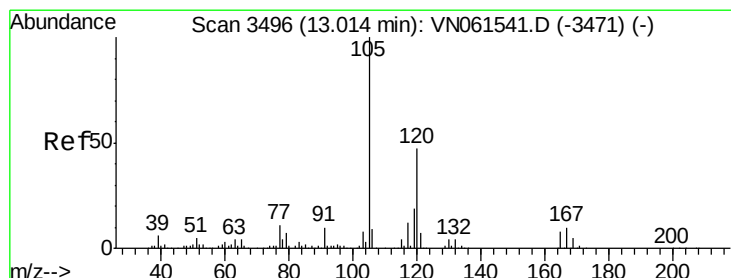
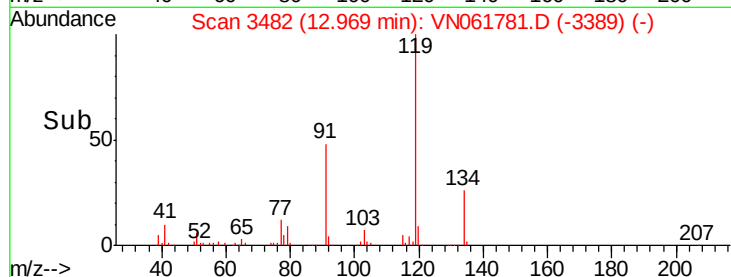
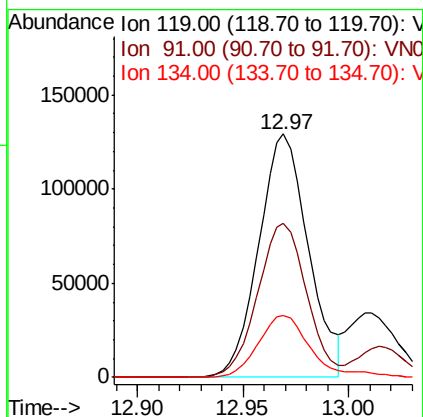
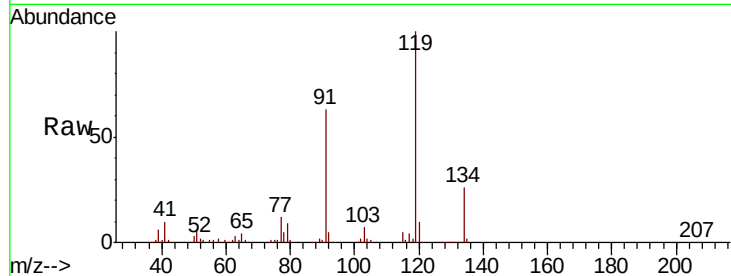




#83
 tert-Butylbenzene
 Concen: 16.149 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061781.D
 Acq: 12 Jun 2020 11:09

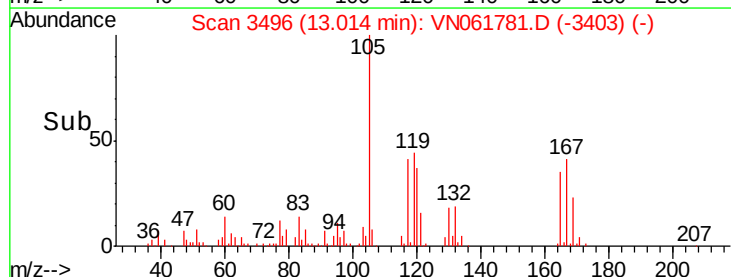
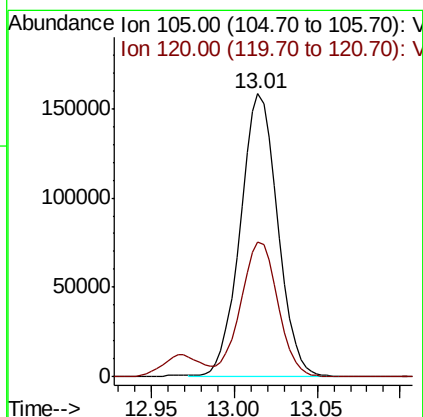
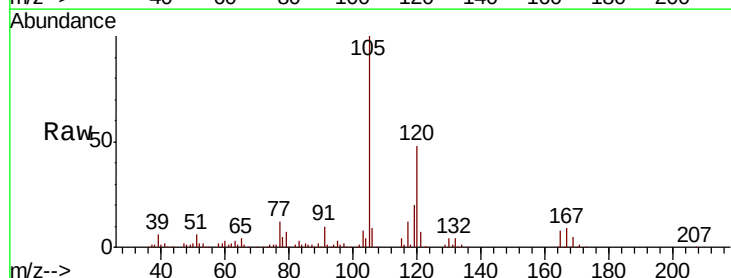
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

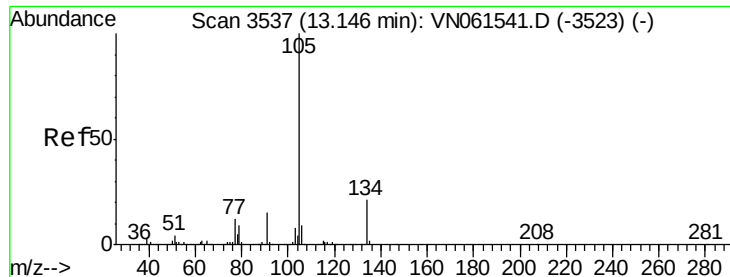
Tot Ion:119 Resp: 211824
 Ion Ratio Lower Upper
 119 100
 91 62.2 31.3 93.8
 134 27.1 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 16.696 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061781.D
 Acq: 12 Jun 2020 11:09

Tgt Ion:105 Resp: 246242
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.2 69.5





#85

sec-Butylbenzene

Concen: 16.458 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

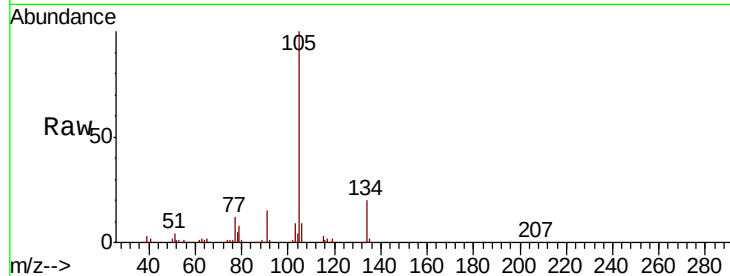
VN0612WBS01

Tot Ion:105 Resp: 278178

Ion Ratio Lower Upper

105 100

134 20.6 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

200000

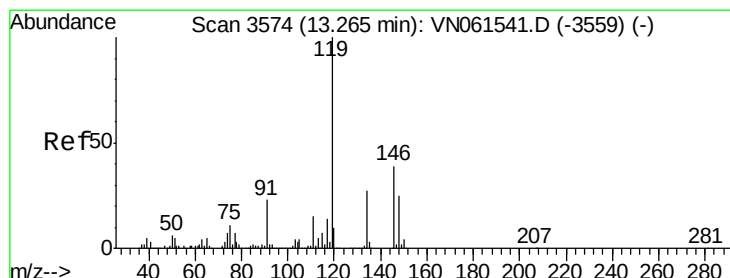
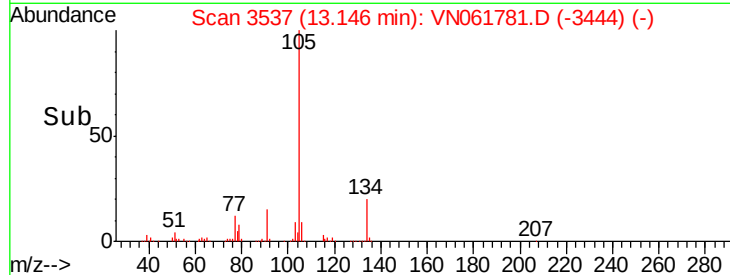
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 16.630 ug/l

RT: 13.27 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

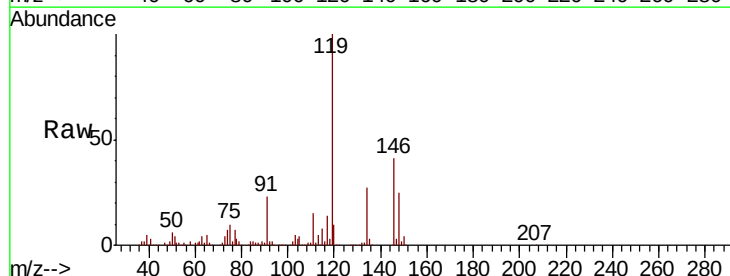
Tgt Ion:119 Resp: 258862

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

91 22.2 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.27

200000

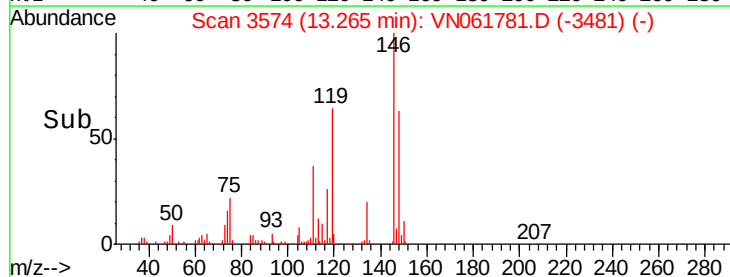
150000

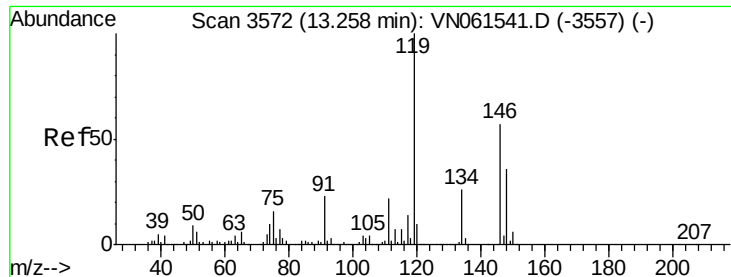
100000

50000

0

Time-->

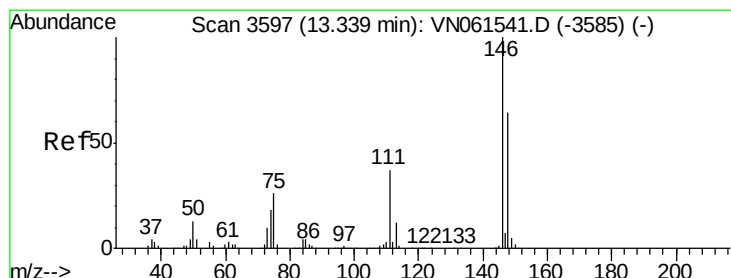
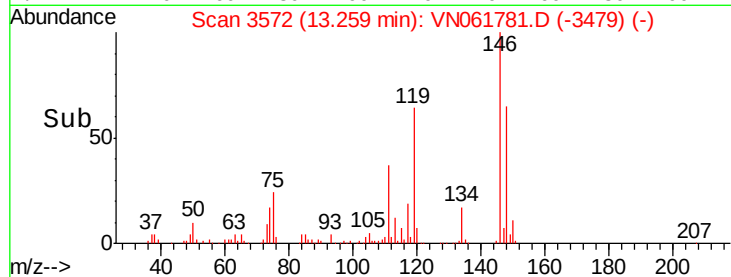
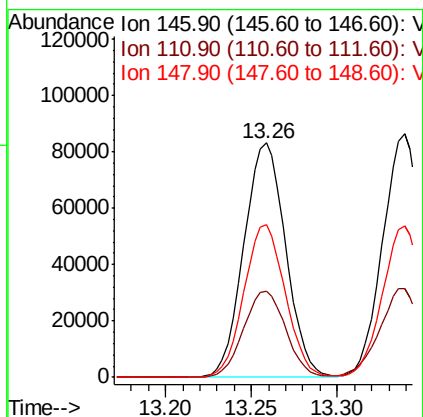
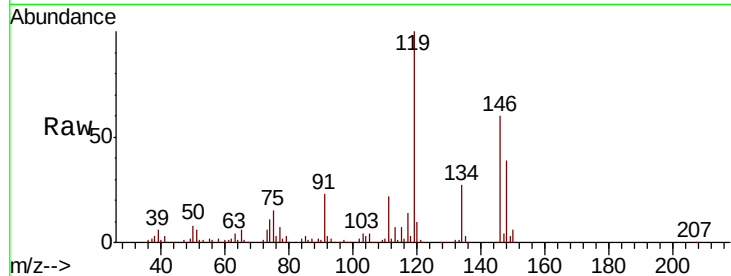




#87
 1,3-Dichlorobenzene
 Concen: 17.537 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061781.D
 Acq: 12 Jun 2020 11:09

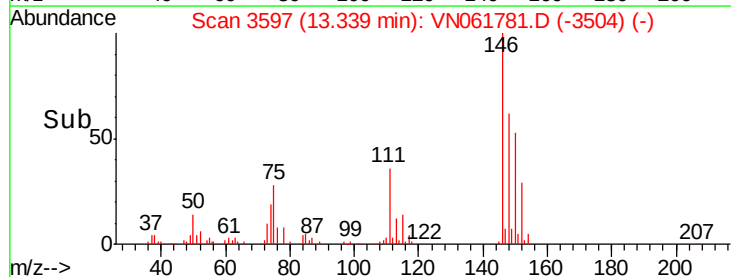
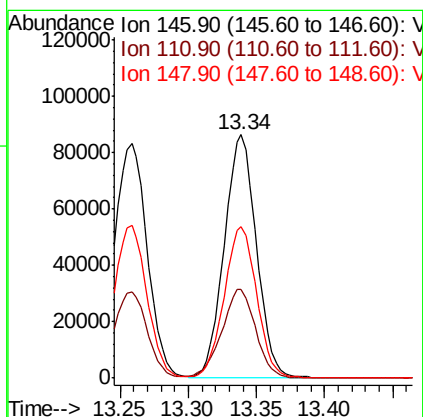
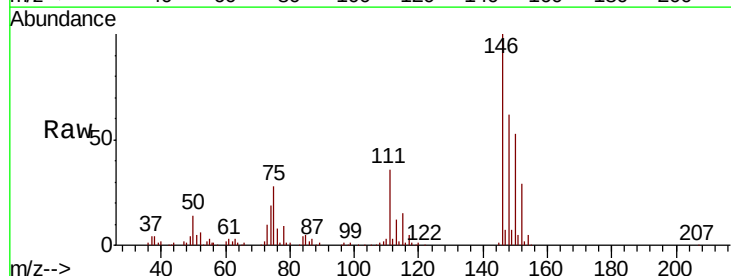
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

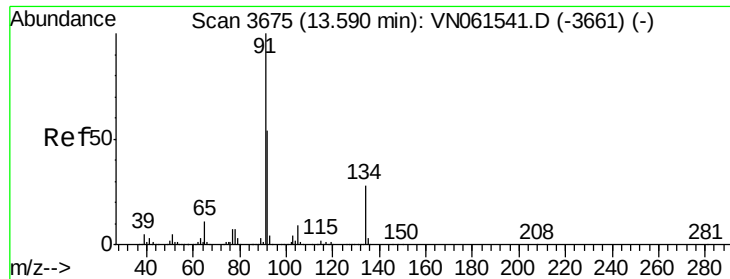
Tot Ion:146 Resp: 140801
 Ion Ratio Lower Upper
 146 100
 111 37.0 19.2 57.6
 148 64.2 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 17.238 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061781.D
 Acq: 12 Jun 2020 11:09

Tgt Ion:146 Resp: 140991
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.9 56.9
 148 62.9 31.8 95.3





#89

n-Butylbenzene

Concen: 15.615 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampled :

VN0612WBS01

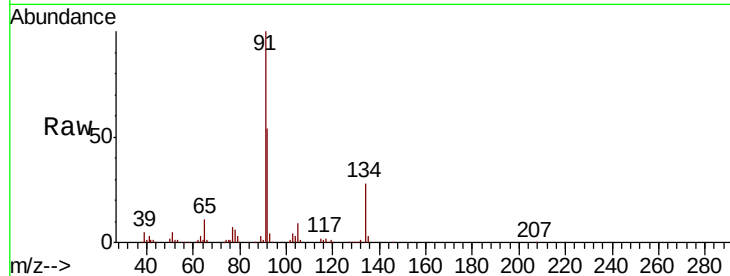
Tot Ion: 91 Resp: 203577

Ion Ratio Lower Upper

91 100

92 53.3 27.2 81.6

134 27.9 14.0 42.0

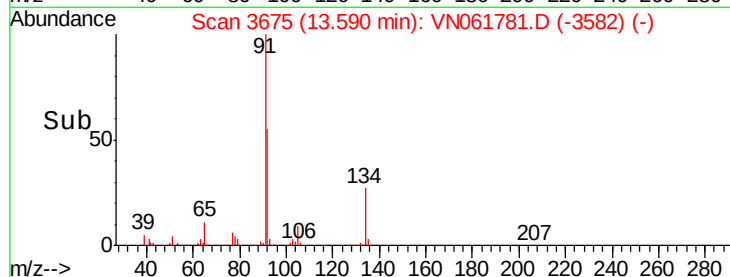


Abundance Ion 91.00 (90.70 to 91.70): VN061781.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN061781.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN061781.D (-3661) (-)

Time--> 13.50 13.60 13.70

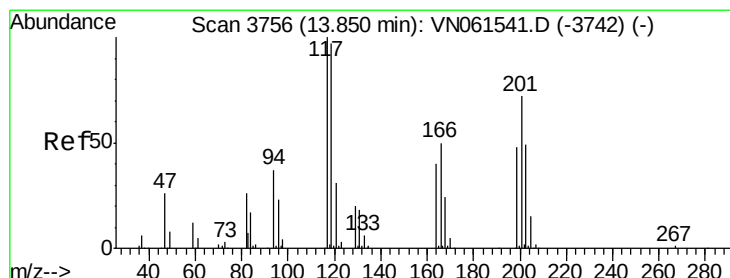


Abundance Ion 91.00 (90.70 to 91.70): VN061781.D (-3582) (-)

Ion 92.00 (91.70 to 92.70): VN061781.D (-3582) (-)

Ion 134.00 (133.70 to 134.70): VN061781.D (-3582) (-)

Time--> 13.50 13.60 13.70



#90

Hexachloroethane

Concen: 21.262 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN061781.D

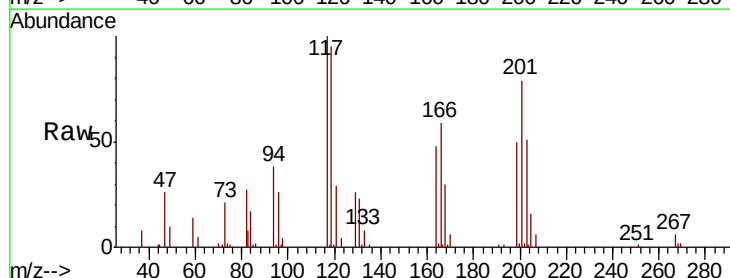
Acq: 12 Jun 2020 11:09

Tgt Ion: 117 Resp: 36600

Ion Ratio Lower Upper

117 100

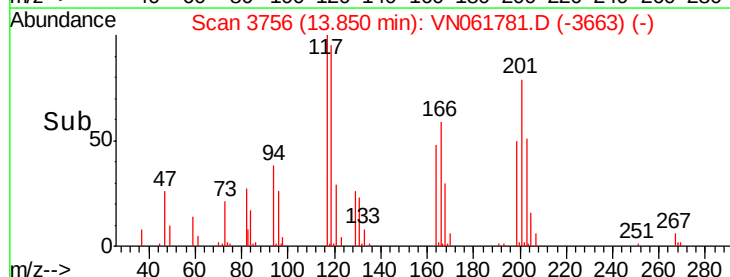
201 76.0 36.7 110.1



Abundance Ion 116.80 (116.50 to 117.50): VN061781.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061781.D (-3742) (-)

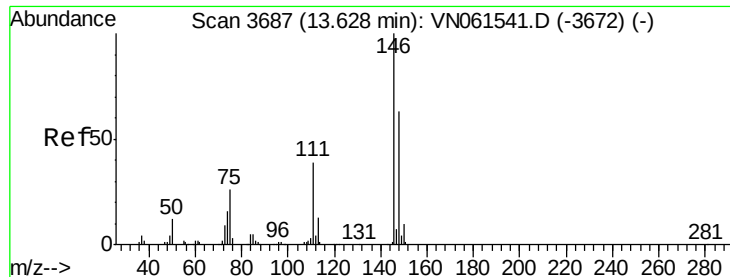
Time--> 13.80 13.85 13.90



Abundance Ion 116.80 (116.50 to 117.50): VN061781.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN061781.D (-3663) (-)

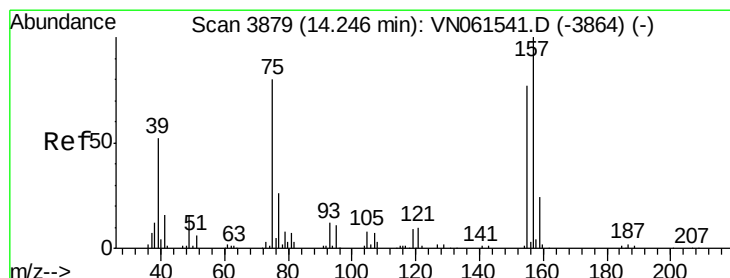
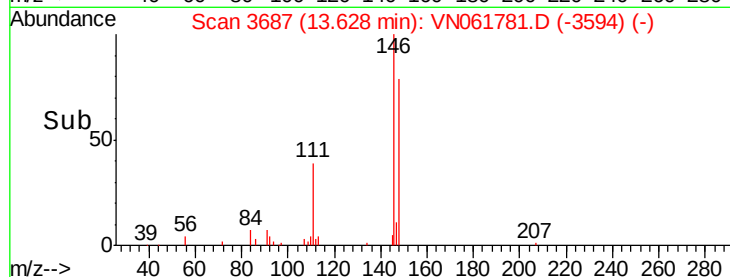
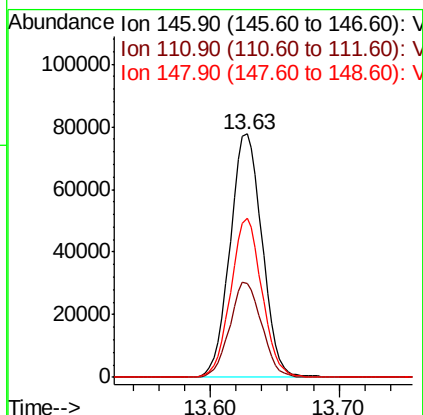
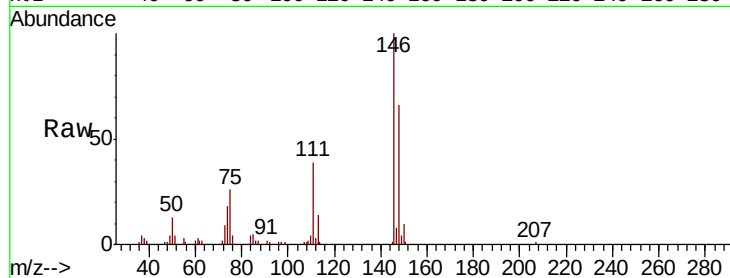
Time--> 13.80 13.85 13.90



#91
 1,2-Dichlorobenzene
 Concen: 17.525 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061781.D
 Acq: 12 Jun 2020 11:09

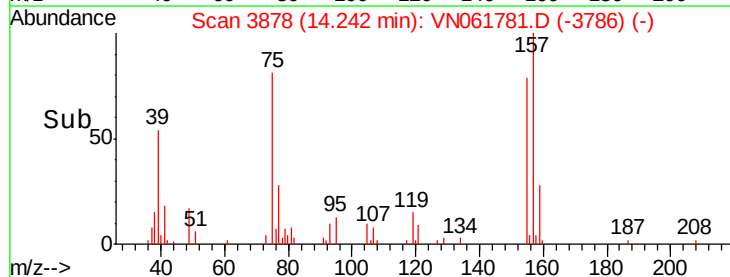
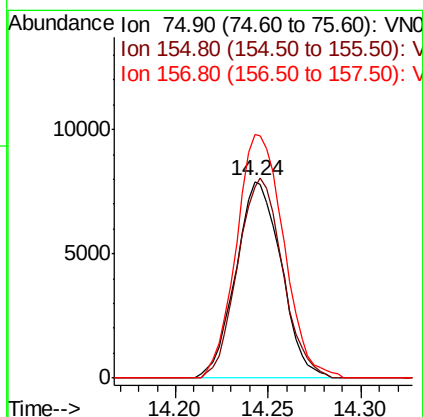
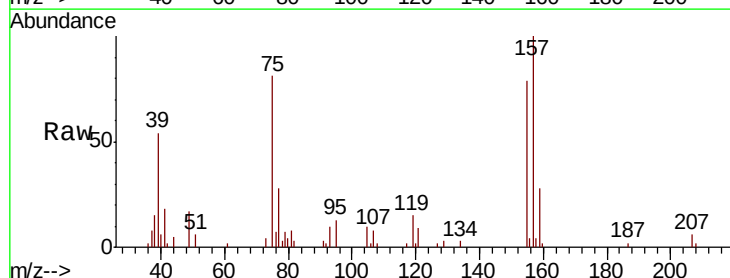
Instrument :
 MSVOA_N
 ClientSampled :
 VN0612WBS01

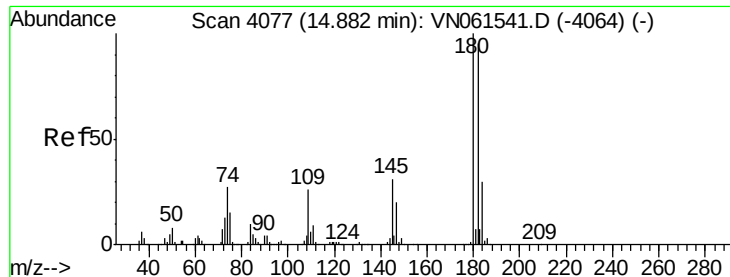
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.1	60.2
148	63.8	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 13.321 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061781.D
 Acq: 12 Jun 2020 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.3	47.1	141.4
157	129.2	60.3	180.8

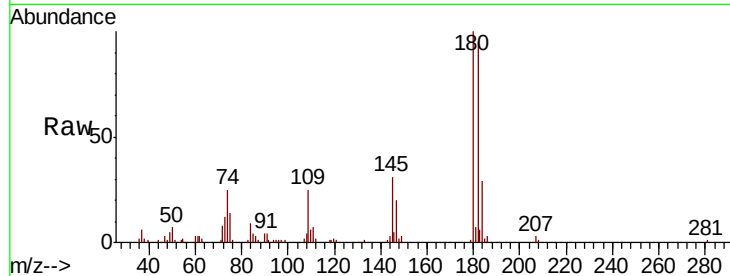




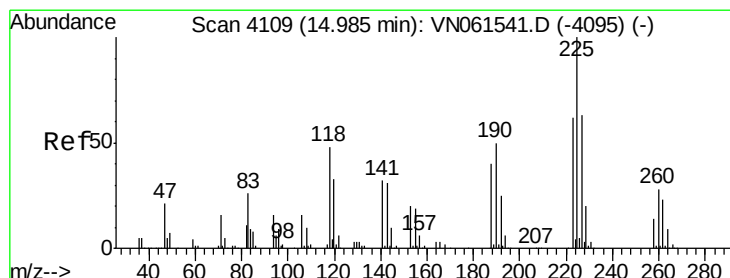
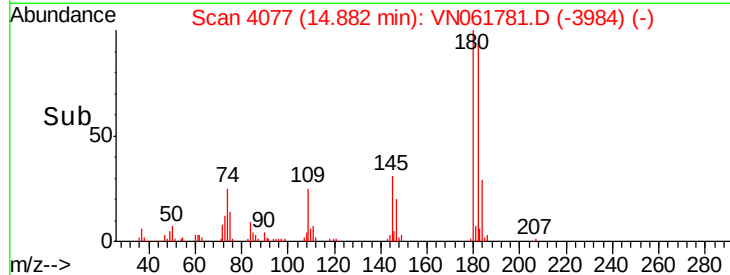
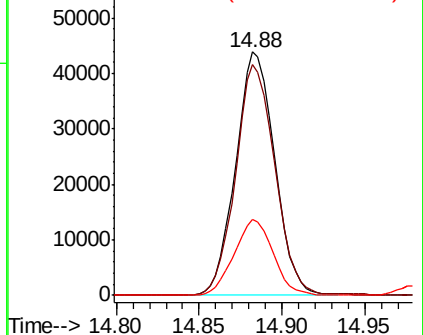
#93
 1,2,4-Trichlorobenzene
 Concen: 16.050 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061781.D
 Acq: 12 Jun 2020 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

Tot Ion:180 Resp: 72018
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.8 143.3
 145 30.9 15.5 46.5

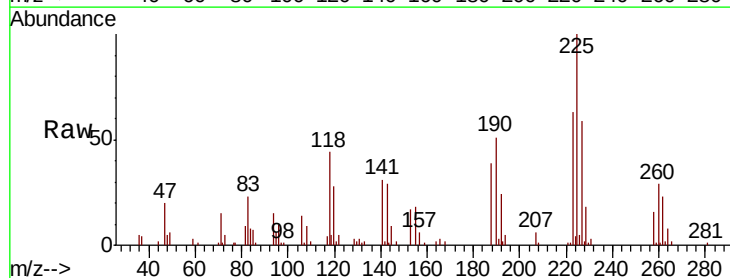


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

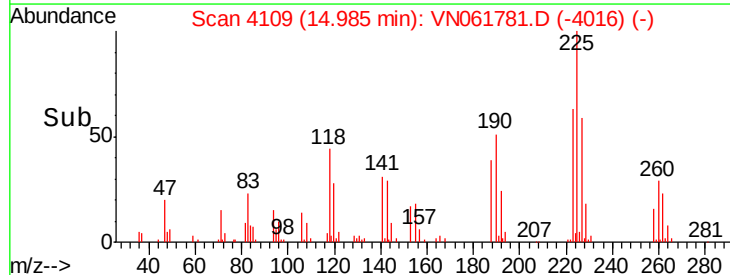
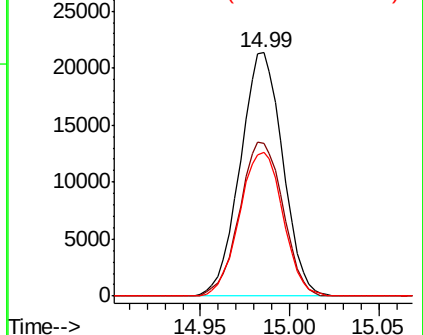


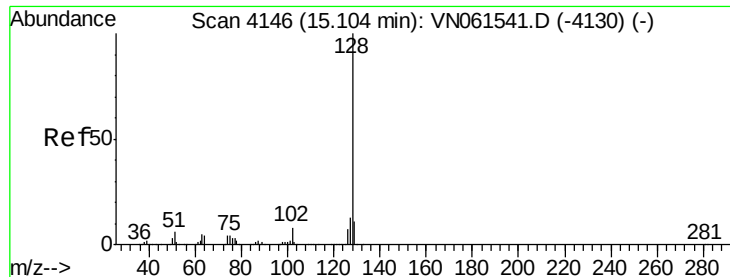
#94
 Hexachlorobutadiene
 Concen: 18.536 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061781.D
 Acq: 12 Jun 2020 11:09

Tgt Ion:225 Resp: 35473
 Ion Ratio Lower Upper
 225 100
 223 64.4 31.9 95.5
 227 60.5 31.9 95.9



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: 14.259 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

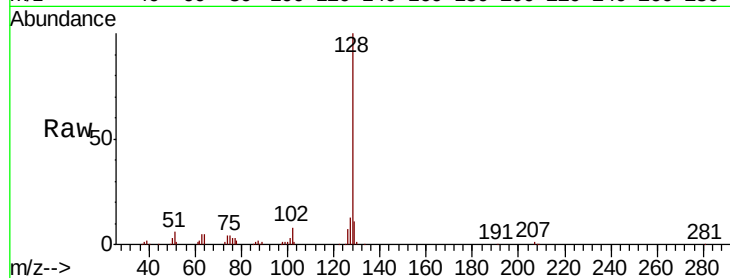
Tot Ion:128 Resp: 194751

Ion Ratio Lower Upper

128 100

127 12.7 10.0 15.0

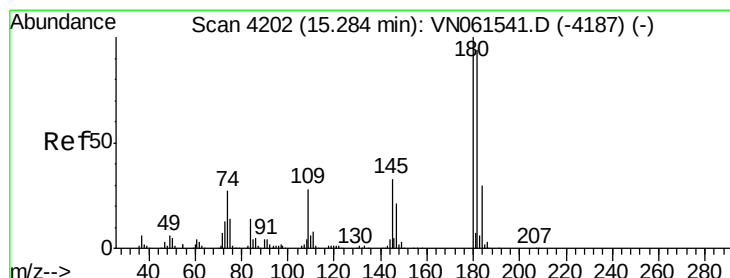
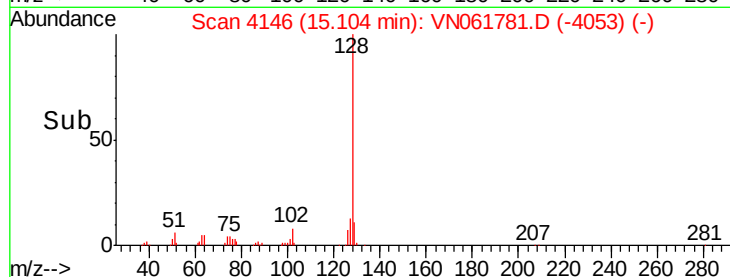
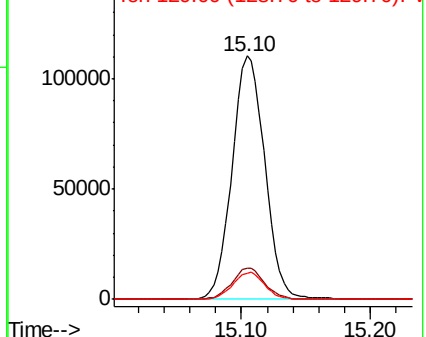
129 10.9 8.5 12.7



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: 16.368 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061781.D

Acq: 12 Jun 2020 11:09

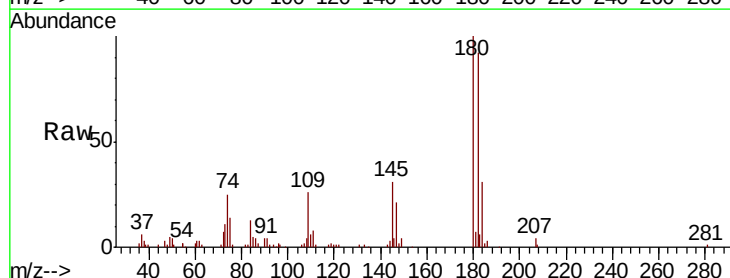
Tgt Ion:180 Resp: 72212

Ion Ratio Lower Upper

180 100

182 94.5 47.1 141.3

145 31.5 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

