

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
 Data File : VL035478.D
 Acq On : 20 Aug 2020 17:09
 Operator : SY/AP
 Sample : L3743-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-3

Quant Time: Aug 21 05:59:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1105018	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	5195978	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5133612	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3700172	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	63598	0.311	ppbv	94
3) Chlorodifluoromethane	2.96	51	7209744	52.037	ppbv #	59
4) Chloromethane	3.14	50	61178	0.848	ppbv	97
6) Bromomethane	3.47	94	2768	0.037	ppbv	87
9) Propene	3.01	41	1519027	27.276	ppbv #	77
10) Heptane	8.13	43	254252	1.741	ppbv #	78
11) Trichlorofluoromethane	3.95	101	171079	0.532	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	17504	0.073	ppbv	84
13) Ethanol	3.64	45	14476823	709.525	ppbv	88
15) Acetone	3.84	43	5067262	39.841	ppbv #	72
16) 1,3-Butadiene	3.30	39	140038	2.715	ppbv #	34
17) tert-Butyl alcohol	4.34	59	192469	1.171	ppbv #	71
19) Isopropyl Alcohol	4.02	45	3248794	37.060	ppbv #	1
20) Methylene Chloride	4.35	84	2320210	22.610	ppbv #	66
21) Allyl Chloride	4.35	41	86760	1.342	ppbv #	63
23) Vinyl Acetate	5.06	43	242396	1.333	ppbv #	1
25) Ethyl Acetate	5.69	43	755377	3.052	ppbv #	84
26) Hexane	5.69	57	1224489	8.767	ppbv #	31
27) Carbon Disulfide	4.55	76	66089	0.327	ppbv	98
29) Chloroform	5.76	83	61462	0.219	ppbv	94
30) Cyclohexane	7.14	84	195931	1.264	ppbv #	56
34) 2-Butanone	5.25	43	1174878	6.768	ppbv #	70
35) Carbon Tetrachloride	7.03	117	14644	0.053	ppbv #	81
36) Benzene	6.90	78	711296	1.865	ppbv #	90
38) Trichloroethene	7.85	130	1876927	8.848	ppbv #	83
39) 1,2-Dichloropropane	7.19	63	904650	7.198	ppbv #	23
40) 1,4-Dioxane	7.85	88	5826	0.085	ppbv #	1
41) Tetrahydrofuran	6.06	42	378191	3.949	ppbv #	70
42) Bromodichloromethane	7.80	83	22421	0.077	ppbv #	27
43) Methyl Methacrylate	8.03	69	19938	0.134	ppbv #	68
44) 2,2,4-Trimethylpentane	7.88	57	722572	1.451	ppbv	89
50) 4-Methyl-2-Pentanone	8.76	43	175807	0.706	ppbv	92
51) 2-Hexanone	10.16	43	147710	0.704	ppbv #	86
52) Tetrachloroethene	11.24	164	1165615	5.011	ppbv #	85
53) Toluene	9.82	91	4996903	10.173	ppbv	97
58) Ethyl Benzene	12.73	91	1254518	2.024	ppbv	94
59) m/p-Xylene	12.99	91	3619930	6.910	ppbv #	82
60) o-Xylene	13.71	91	1399006	2.748	ppbv	89
61) Styrene	13.55	104	267961	0.651	ppbv #	87
62) Isopropylbenzene	14.69	105	152341	0.183	ppbv	96
64) n-propylbenzene	15.59	120	156567	0.609	ppbv	72

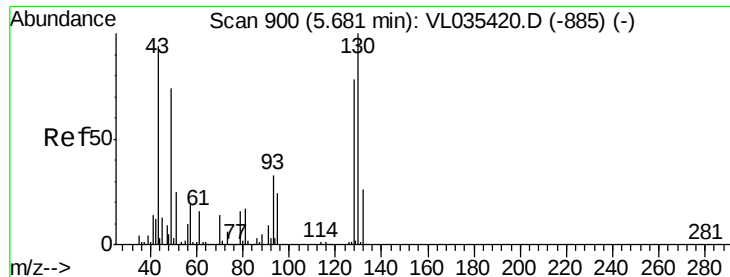
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
 Data File : VL035478.D
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Quant Time: Aug 21 05:59:58 2020
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) tert-Butylbenzene	16.79	119	418234	0.516	ppbv #	91
66) Benzyl Chloride	16.79	91	354361	1.817	ppbv #	70
67) sec-Butylbenzene	17.32	105	129277	0.121	ppbv	94
69) p-Isopropyltoluene	17.56	119	186224	0.197	ppbv	95
70) n-Butylbenzene	18.58	91	476667	0.533	ppbv #	30
71) 2-Chlorotoluene	15.58	91	634280	1.048	ppbv #	47
72) 4-Ethyltoluene	15.86	105	920568	1.378	ppbv #	93
73) 1,3,5-Trimethylbenzene	16.02	105	931532	1.498	ppbv	87
74) 1,2,4-Trimethylbenzene	16.79	105	3356612	4.969	ppbv #	71
79) Naphthalene	22.23	128	1312082	1.379	ppbv	96
80) Naphthalene,2-methyl-	24.99	142	466998	1.188	ppbv	96

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

SSMP-3

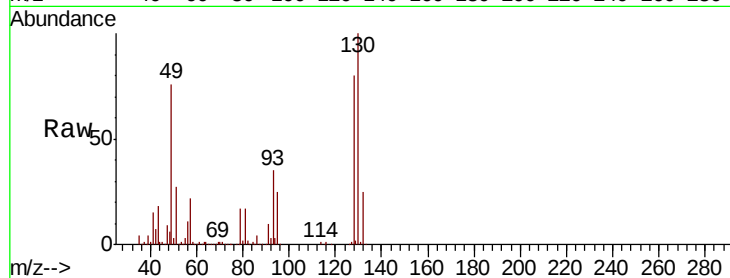
Tot Ion: 49 Resp: 1105018

Ion Ratio Lower Upper

49 100

128 103.3 20.9 62.7#

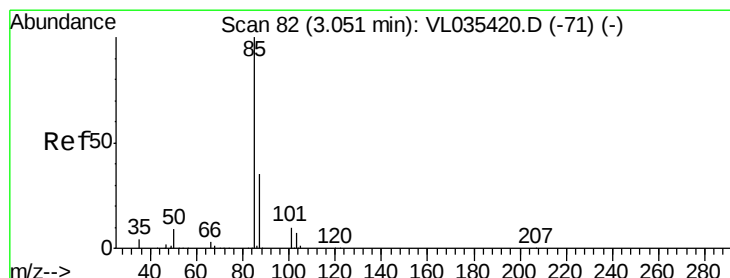
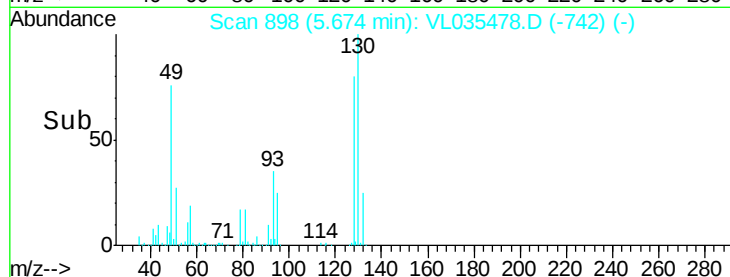
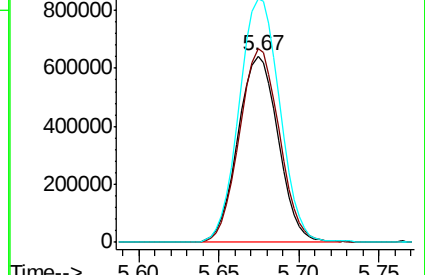
130 133.1 26.7 80.1#



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.311 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL035478.D

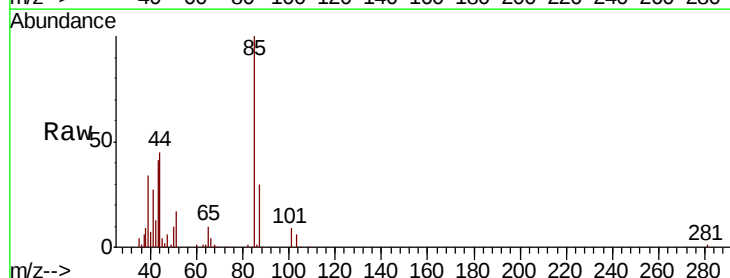
Acq: 20 Aug 2020 17:09

Tgt Ion: 85 Resp: 63598

Ion Ratio Lower Upper

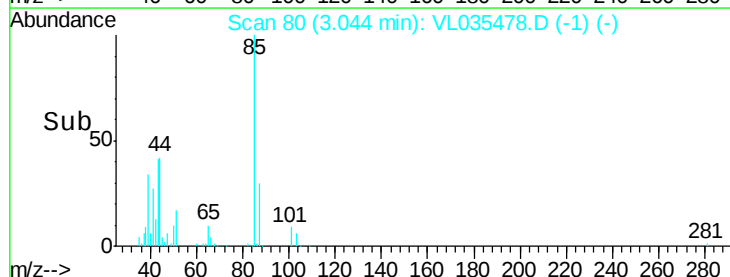
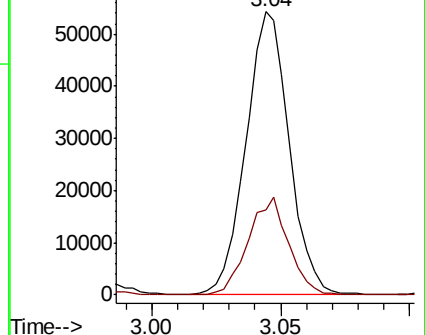
85 100

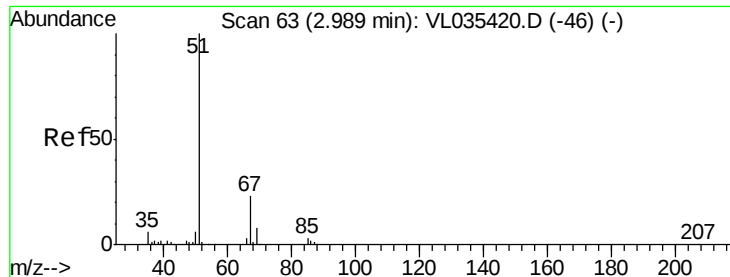
87 30.2 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 52.037 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.02 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

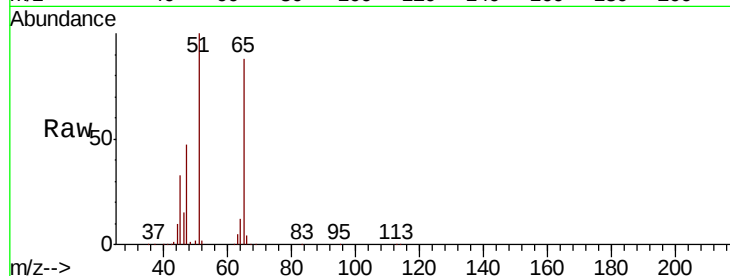
SSMP-3

Tot Ion: 51 Resp: 7209744

Ion Ratio Lower Upper

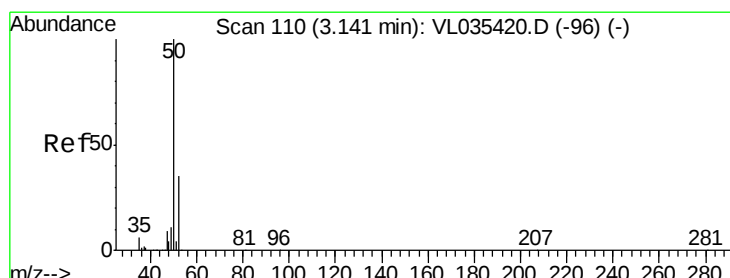
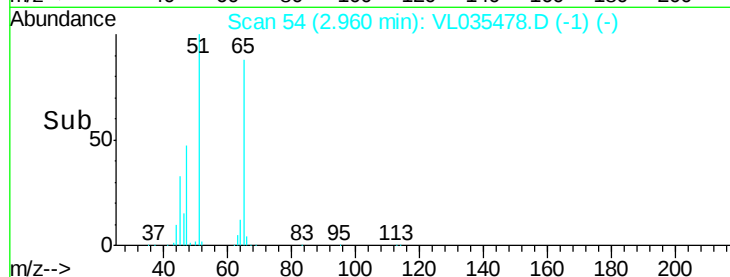
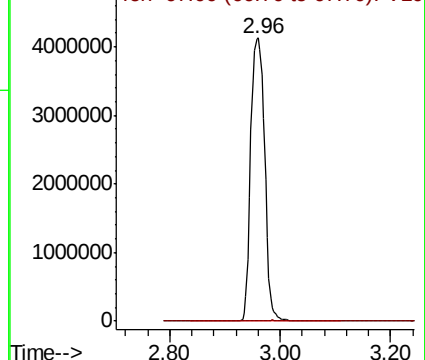
51 100

67 0.3 15.0 22.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.848 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035478.D

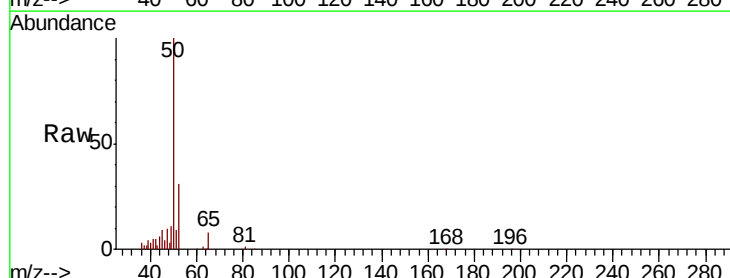
Acq: 20 Aug 2020 17:09

Tgt Ion: 50 Resp: 61178

Ion Ratio Lower Upper

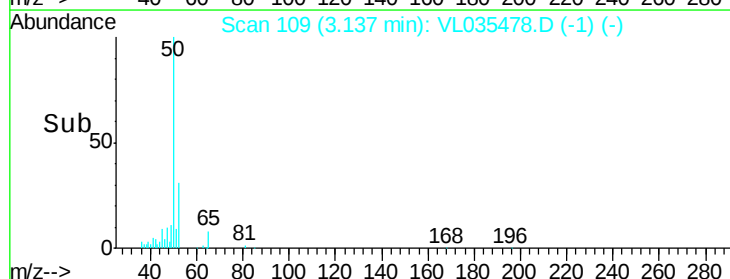
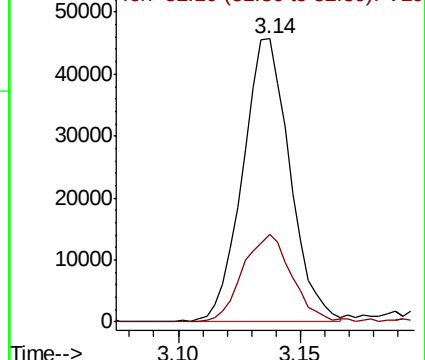
50 100

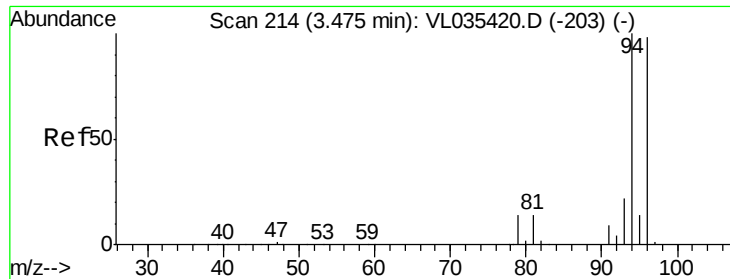
52 31.0 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#6

Bromomethane

Concen: 0.037 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

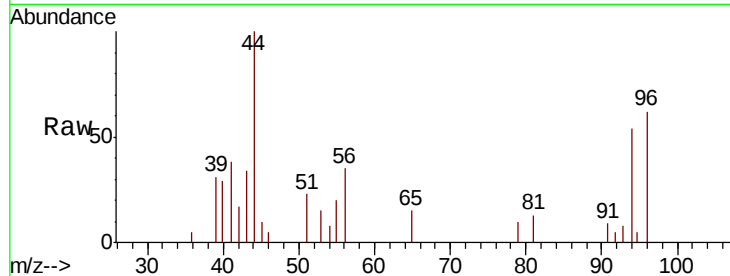
SSMP-3

Tot Ion: 94 Resp: 2768

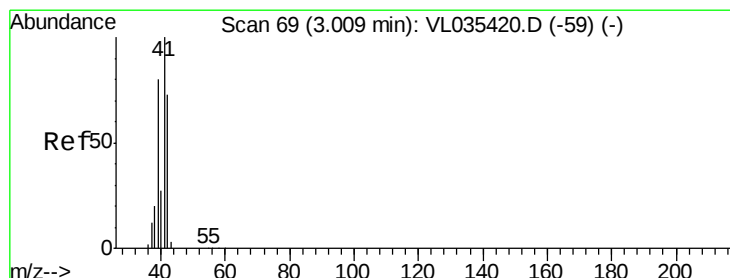
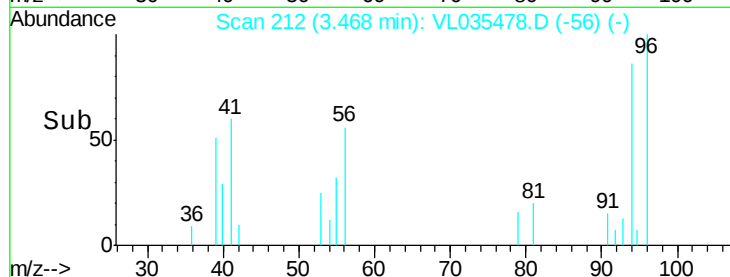
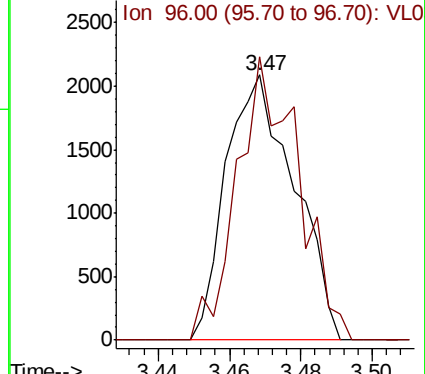
Ion Ratio Lower Upper

94 100

96 106.8 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VL0



#9

Propene

Concen: 27.276 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035478.D

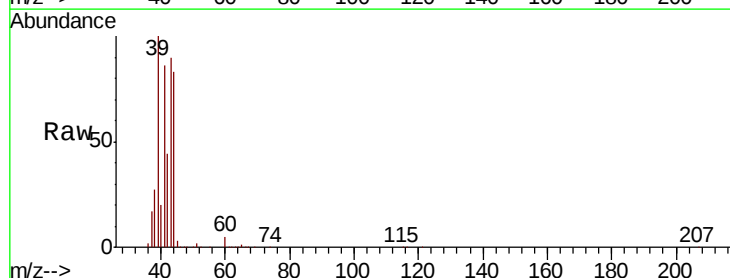
Acq: 20 Aug 2020 17:09

Tgt Ion: 41 Resp: 1519027

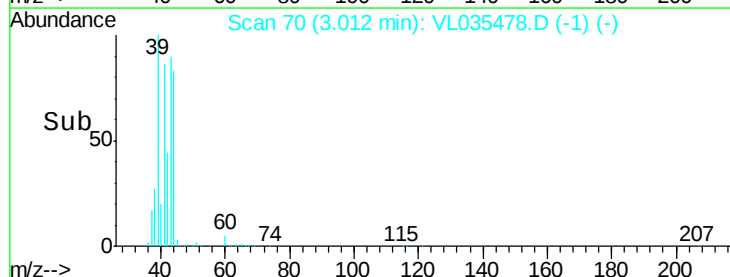
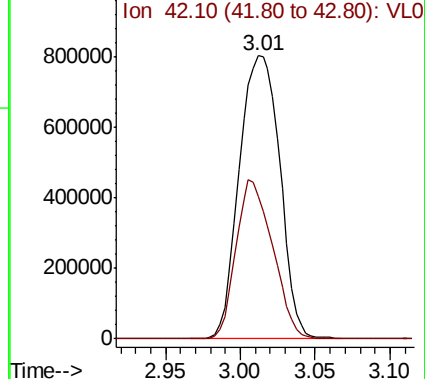
Ion Ratio Lower Upper

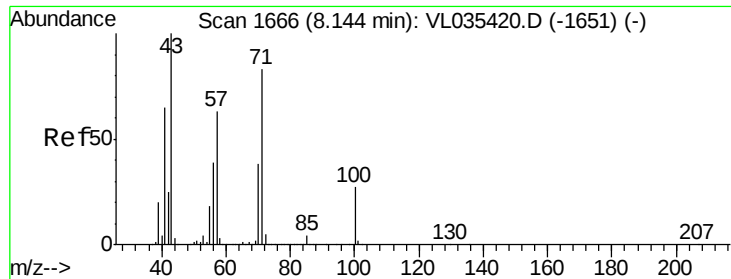
41 100

42 50.8 55.5 83.3#



Abundance Ion 41.10 (40.80 to 41.80): VL0





#10

Heptane

Concen: 1.741 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

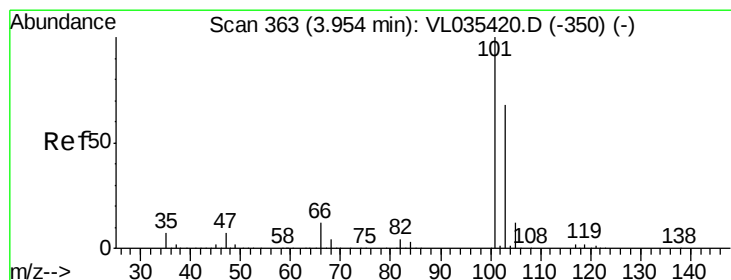
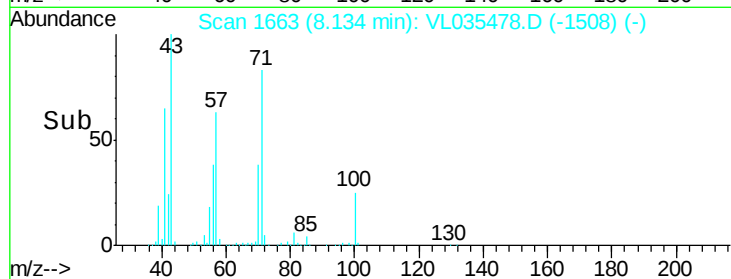
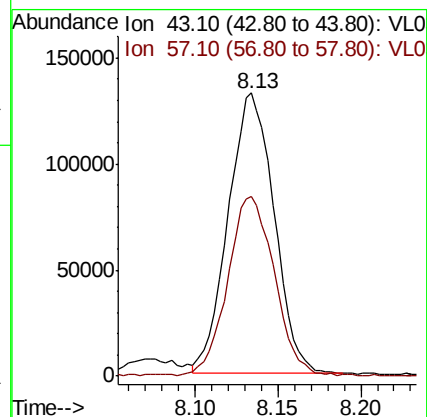
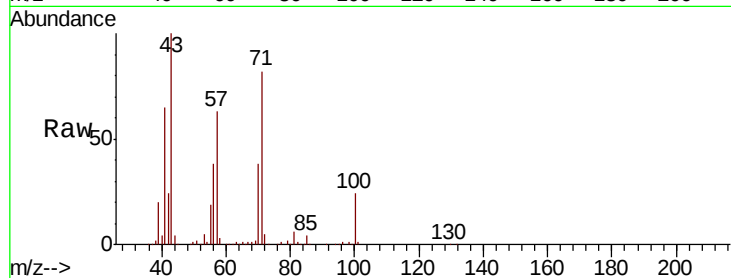
SSMP-3

Tot Ion: 43 Resp: 254252

Ion Ratio Lower Upper

43 100

57 65.1 39.8 59.6#



#11

Trichlorofluoromethane

Concen: 0.532 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.00 min

Lab File: VL035478.D

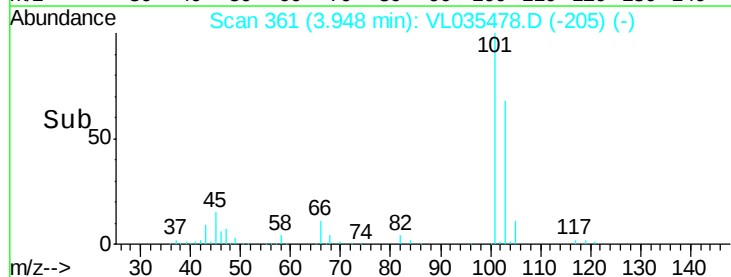
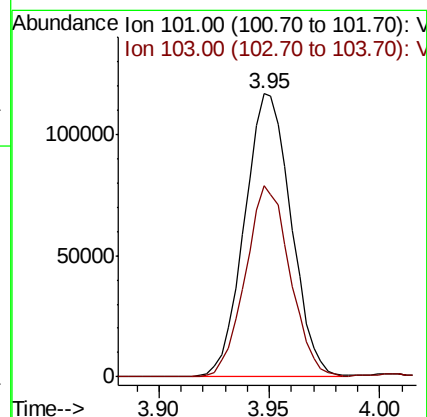
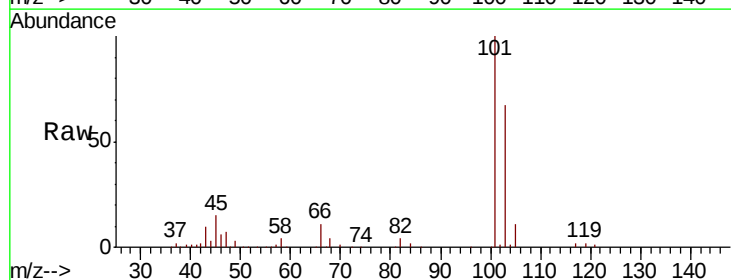
Acq: 20 Aug 2020 17:09

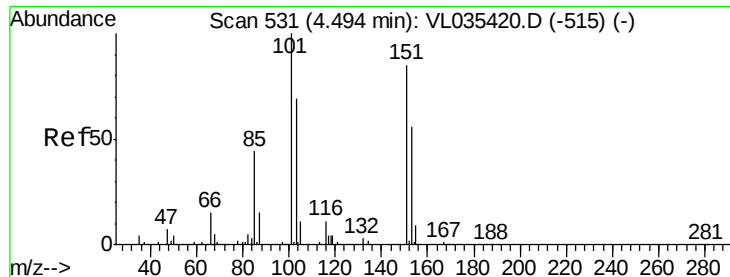
Tgt Ion: 101 Resp: 171079

Ion Ratio Lower Upper

101 100

103 67.4 52.6 78.8





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.073 ppbv

RT: 4.48 min Scan# 528

Delta R.T. 0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

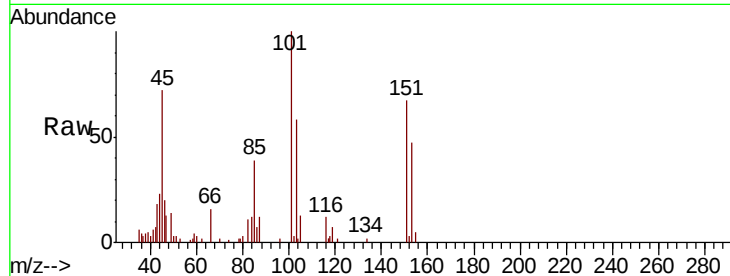
SSMP-3

Tot Ion:101 Resp: 17504

Ion Ratio Lower Upper

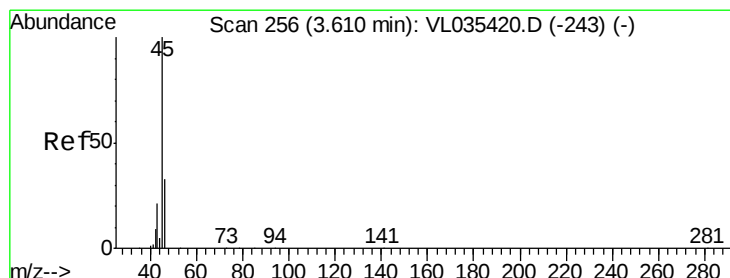
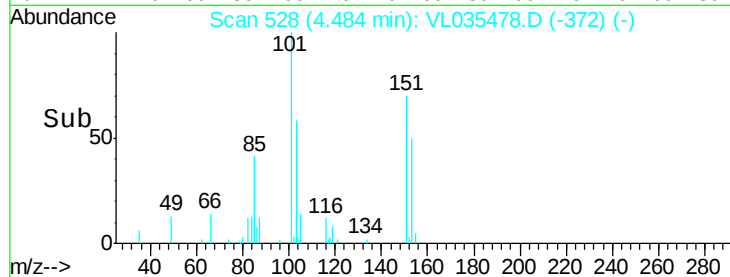
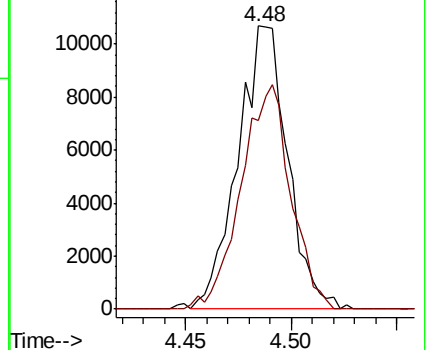
101 100

151 79.5 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 709.525 ppbv

RT: 3.64 min Scan# 265

Delta R.T. 0.04 min

Lab File: VL035478.D

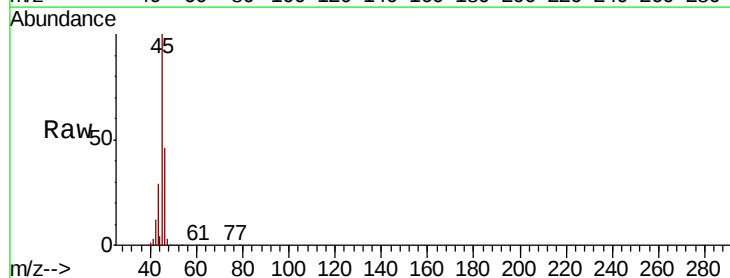
Acq: 20 Aug 2020 17:09

Tgt Ion: 45 Resp:14476823

Ion Ratio Lower Upper

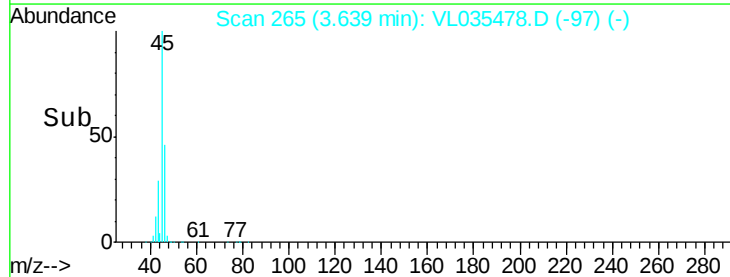
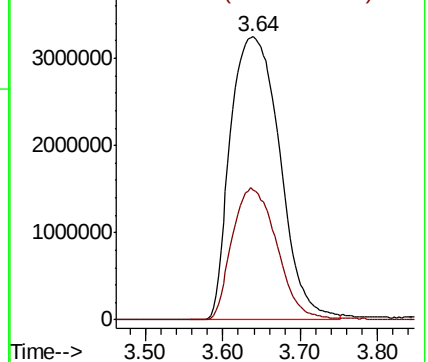
45 100

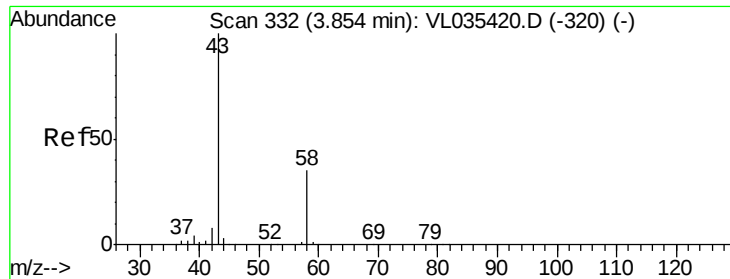
46 42.5 14.2 56.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 39.841 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

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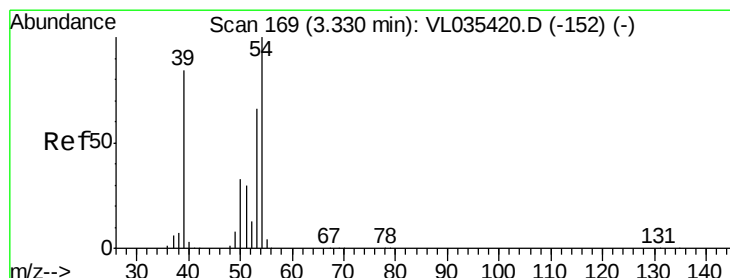
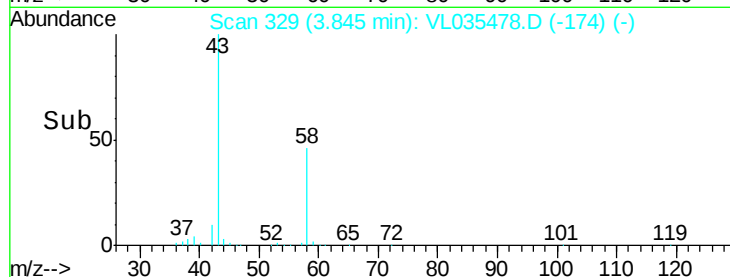
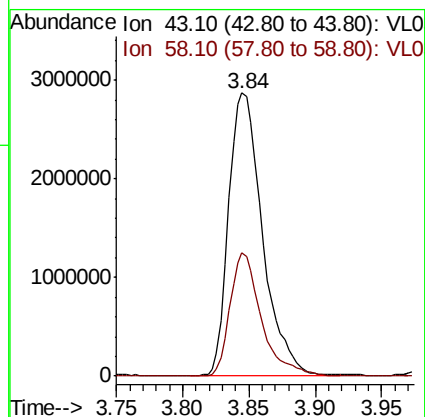
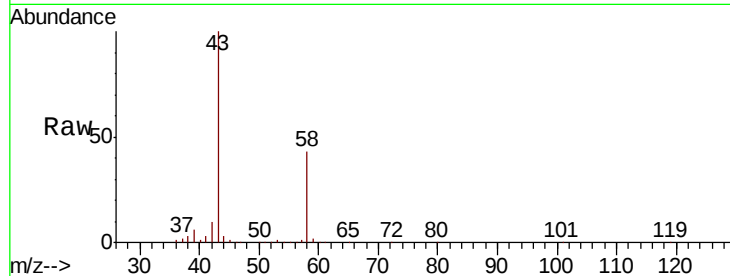
SSMP-3

Tot Ion: 43 Resp: 5067262

Ion Ratio Lower Upper

43 100

58 40.9 21.0 31.6#



#16

1,3-Butadiene

Concen: 2.715 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.02 min

Lab File: VL035478.D

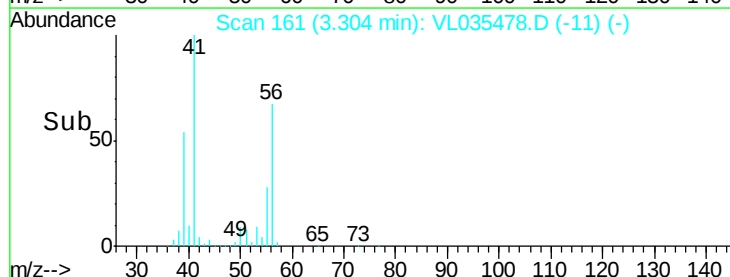
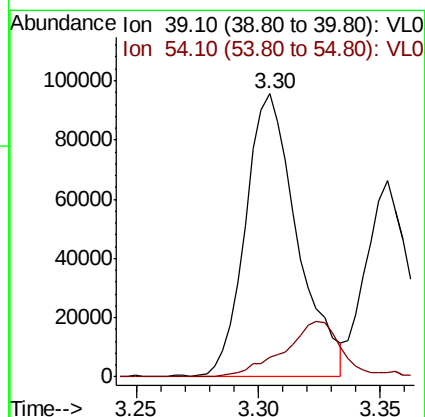
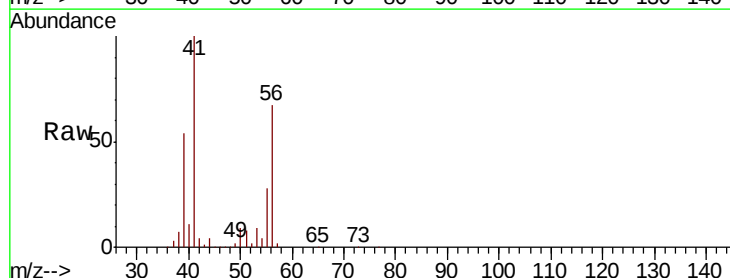
Acq: 20 Aug 2020 17:09

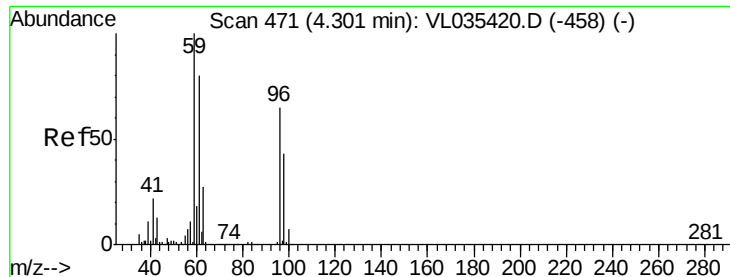
Tgt Ion: 39 Resp: 140038

Ion Ratio Lower Upper

39 100

54 22.4 64.4 96.6#





#17

tert-Butyl alcohol

Concen: 1.171 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.05 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

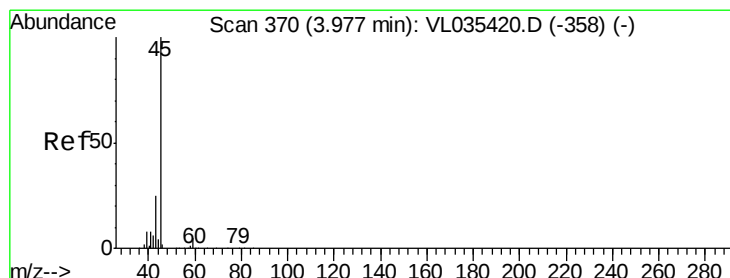
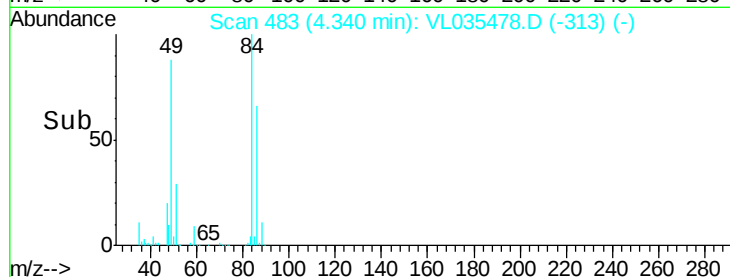
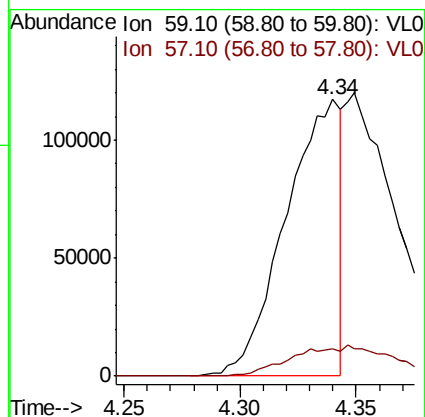
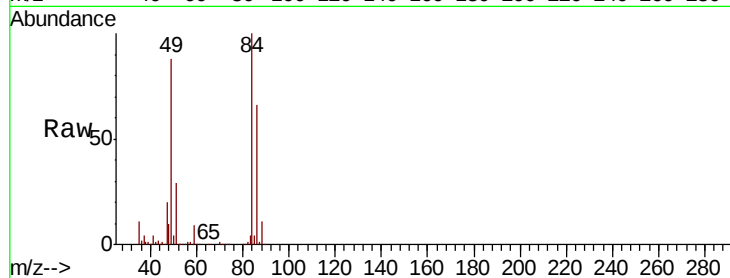
SSMP-3

Tot Ion: 59 Resp: 192469

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



#19

Isopropyl Alcohol

Concen: 37.060 ppbv

RT: 4.02 min Scan# 382

Delta R.T. 0.05 min

Lab File: VL035478.D

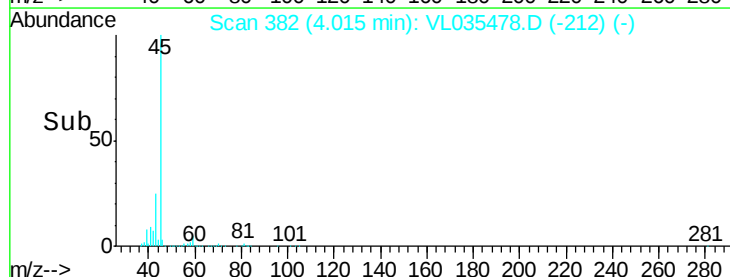
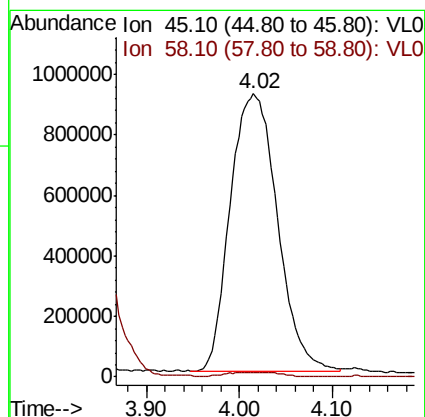
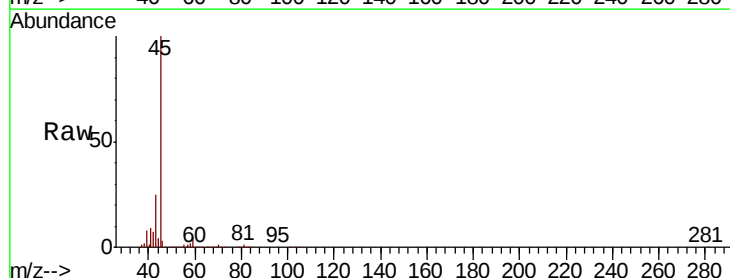
Acq: 20 Aug 2020 17:09

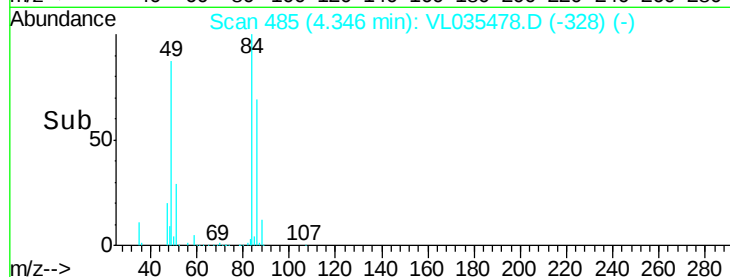
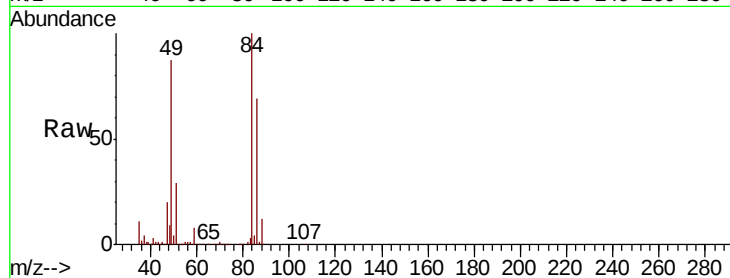
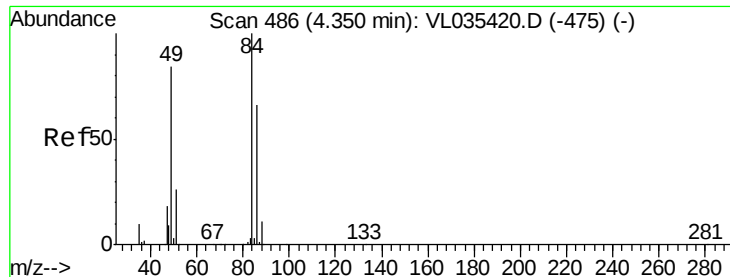
Tgt Ion: 45 Resp: 3248794

Ion Ratio Lower Upper

45 100

58 63.6 1.0 1.6#

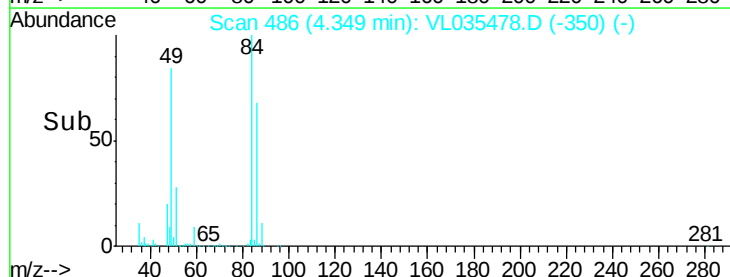
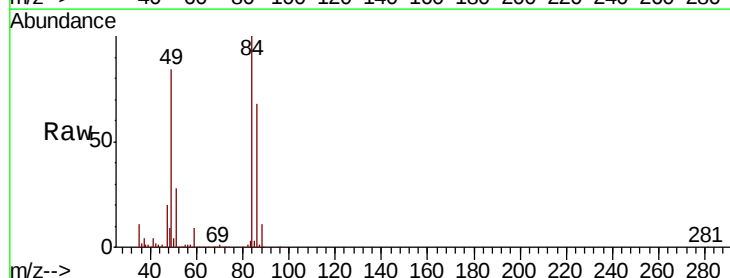
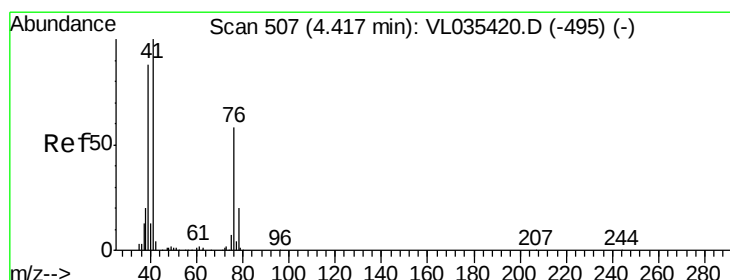
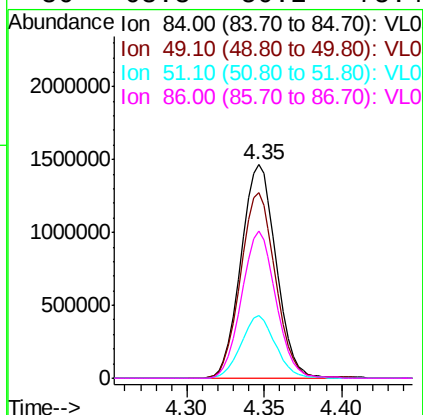




#20
Methylene Chloride
Concen: 22.610 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.00 min
Lab File: VL035478.D
Acq: 20 Aug 2020 17:09

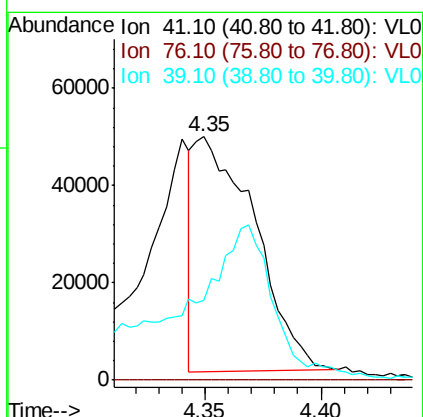
Instrument :
MSVOA_L
ClientSampleId :
SSMP-3

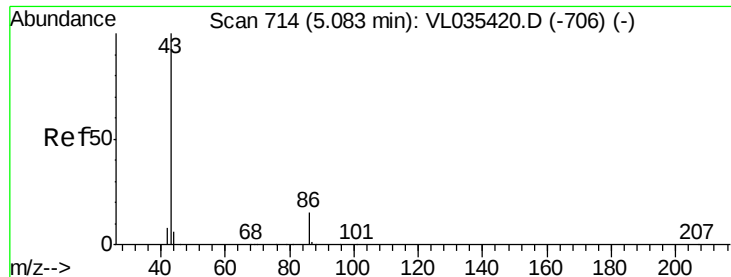
Tot Ion: 84 Resp: 2320210
Ion Ratio Lower Upper
84 100
49 87.0 118.6 177.8#
51 29.2 36.4 54.6#
86 68.8 50.2 75.4



#21
Allyl Chloride
Concen: 1.342 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.06 min
Lab File: VL035478.D
Acq: 20 Aug 2020 17:09

Tgt Ion: 41 Resp: 86760
Ion Ratio Lower Upper
41 100
76 0.0 22.8 34.2#
39 110.4 66.2 99.2#





#23

Vinyl Acetate

Concen: 1.333 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.02 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

SSMP-3

Tot Ion: 43 Resp: 242396

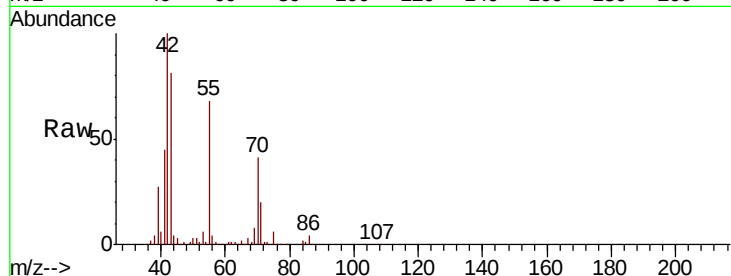
Ion Ratio Lower Upper

43 100

86 4.8 6.5 9.7#

42 125.4 8.3 12.5#

44 3.2 4.0 6.0#

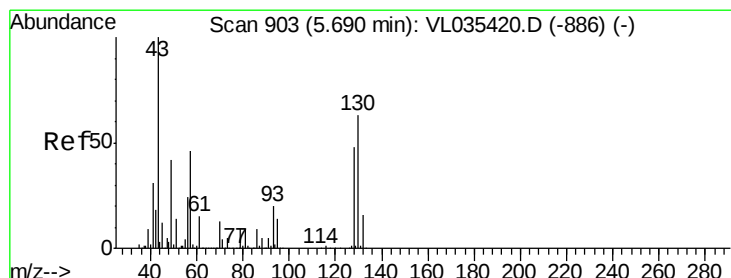
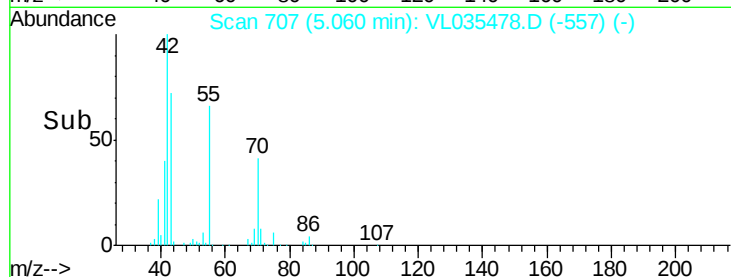
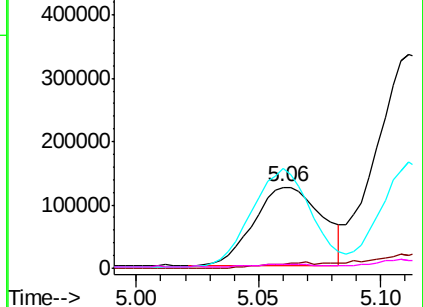


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 3.052 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Tgt Ion: 43 Resp: 755377

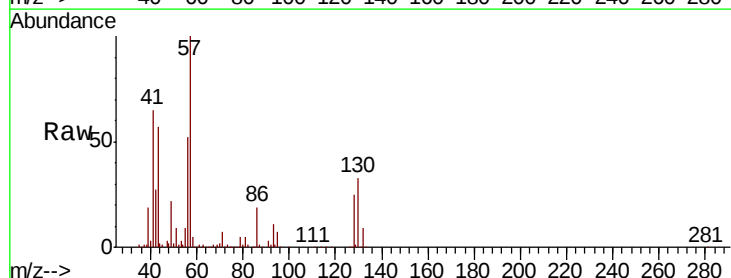
Ion Ratio Lower Upper

43 100

45 3.0 8.3 12.5#

61 3.1 7.6 11.4#

70 4.6 6.0 9.0#

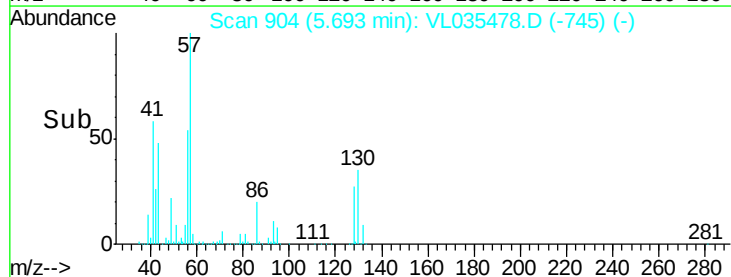
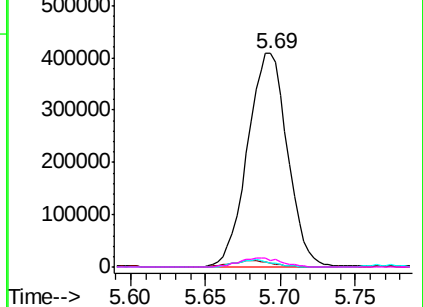


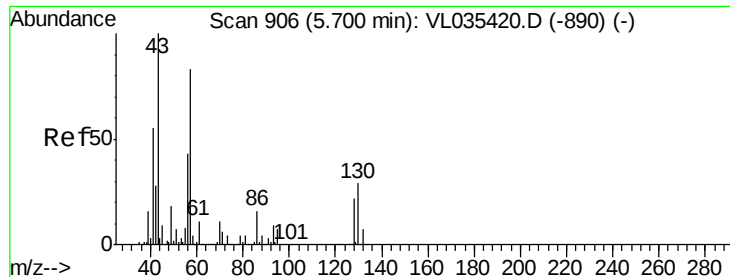
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 8.767 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

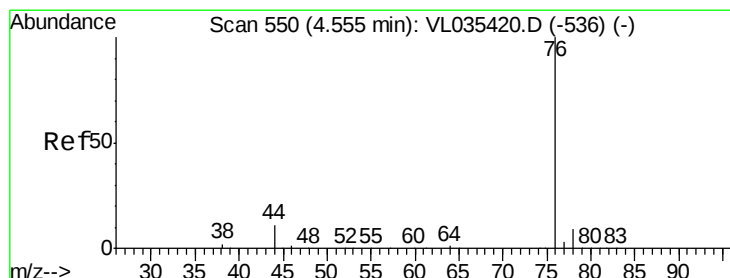
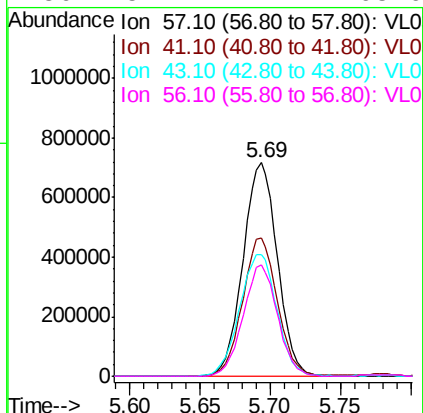
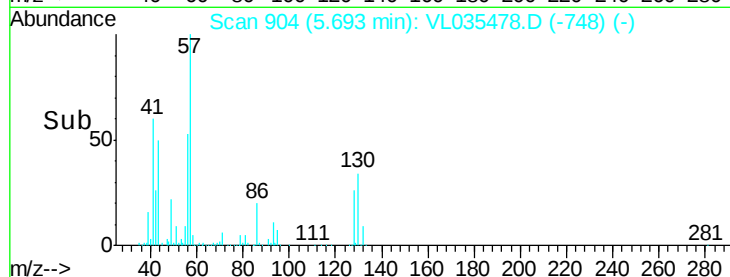
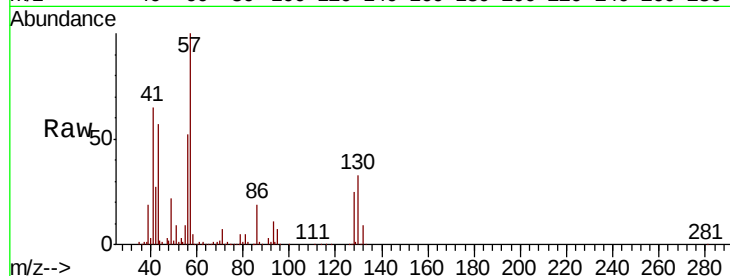
MSVOA_L

ClientSampleId :

SSMP-3

Tot Ion: 57 Resp: 1224489

Ion	Ratio	Lower	Upper
57	100		
41	65.9	75.5	113.3#
43	61.6	181.7	272.5#
56	52.1	42.4	63.6



#27

Carbon Disulfide

Concen: 0.327 ppbv

RT: 4.55 min Scan# 548

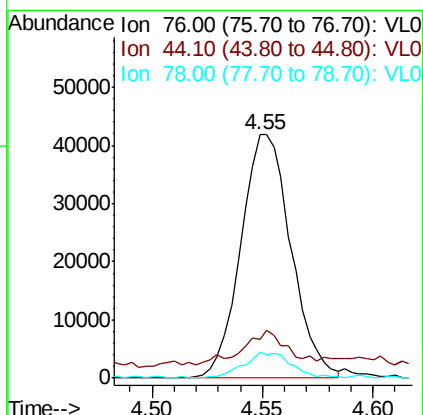
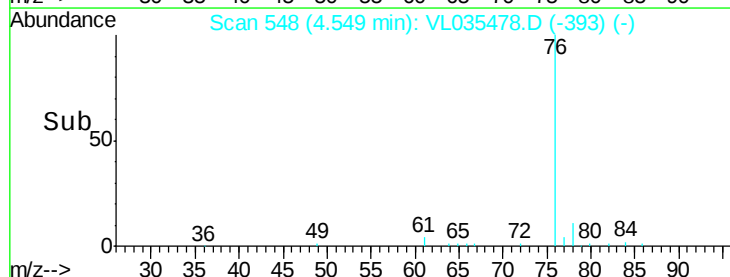
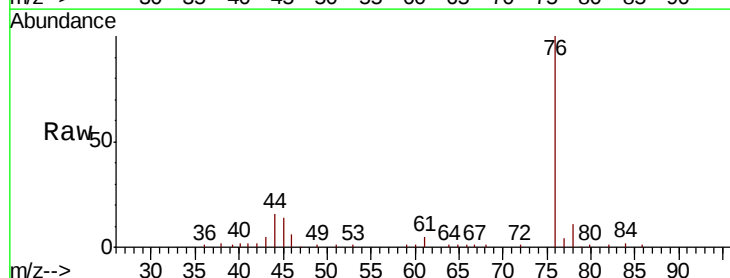
Delta R.T. -0.00 min

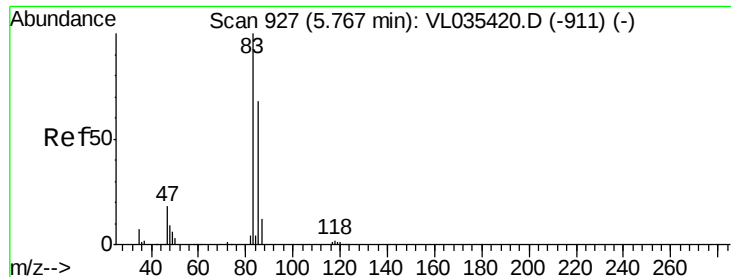
Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Tgt Ion: 76 Resp: 66089

Ion	Ratio	Lower	Upper
76	100		
44	20.2	16.8	25.2
78	10.5	7.3	10.9

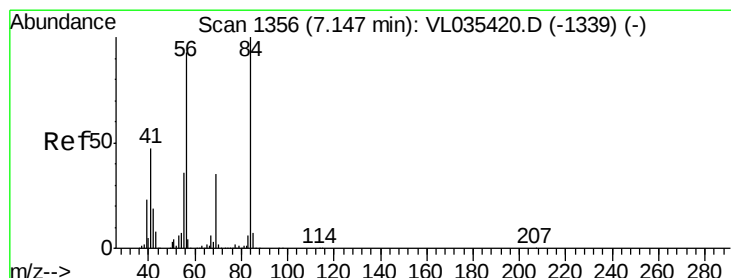
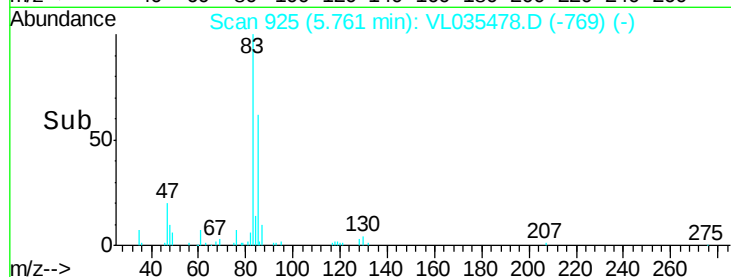
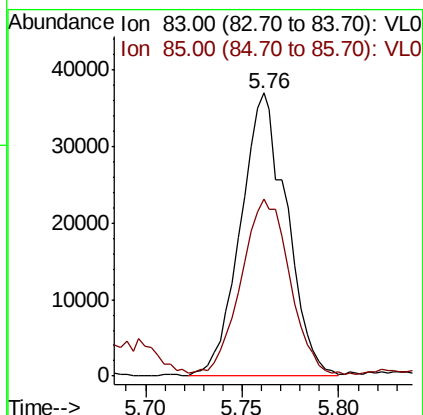
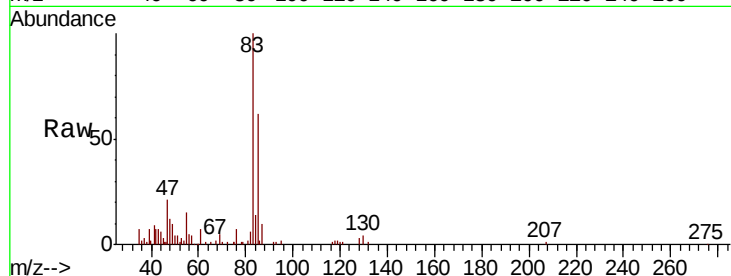




#29
Chloroform
Concen: 0.219 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.00 min
Lab File: VL035478.D
Acq: 20 Aug 2020 17:09

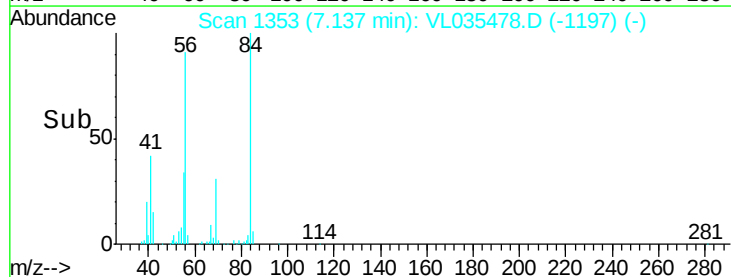
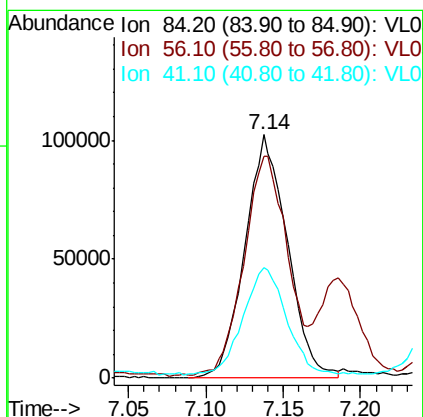
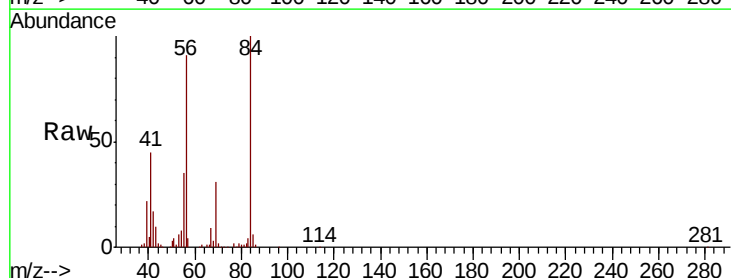
Instrument :
MSVOA_L
ClientSampleId :
SSMP-3

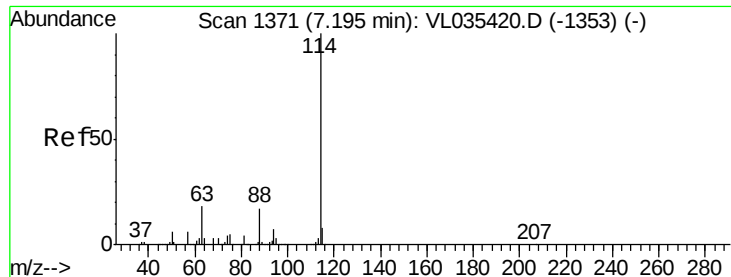
Tot Ion: 83 Resp: 61462
Ion Ratio Lower Upper
83 100
85 61.4 52.7 79.1



#30
Cyclohexane
Concen: 1.264 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VL035478.D
Acq: 20 Aug 2020 17:09

Tgt Ion: 84 Resp: 195931
Ion Ratio Lower Upper
84 100
56 91.8 114.9 172.3#
41 46.6 72.3 108.5#

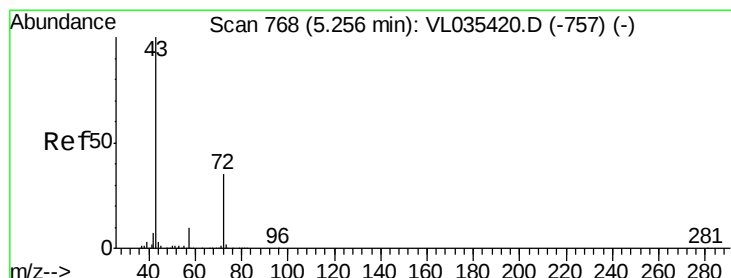
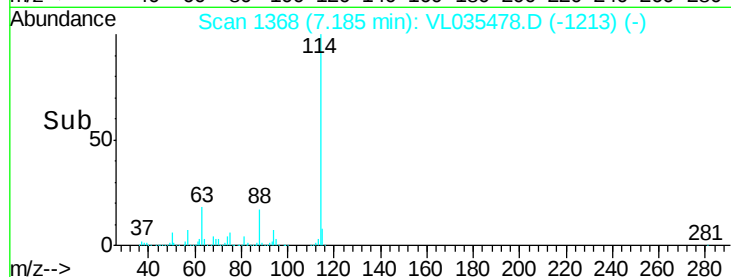
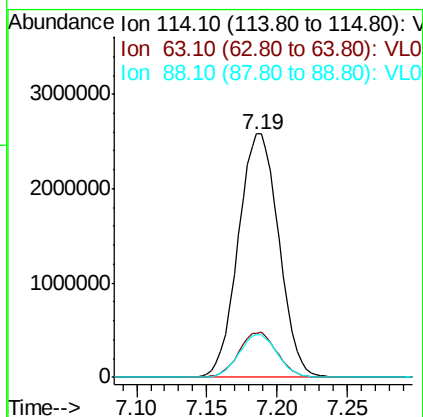
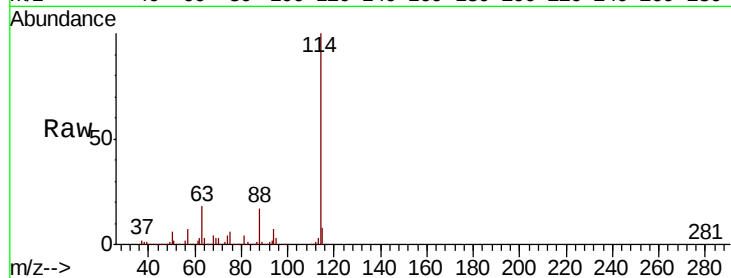




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VL035478.D
 Acq: 20 Aug 2020 17:09

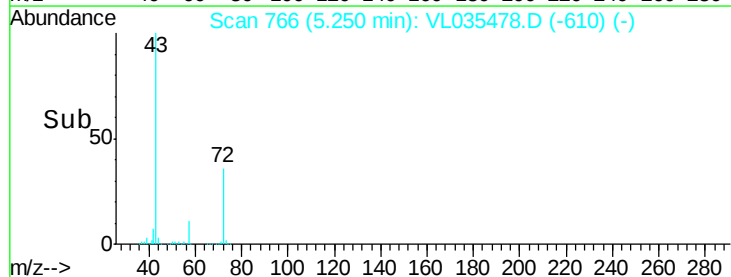
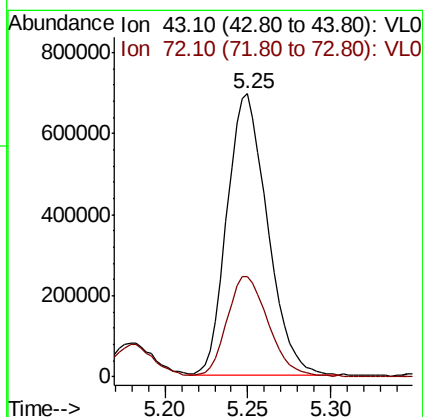
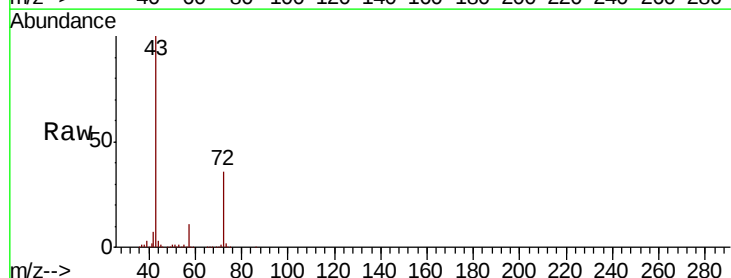
Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-3

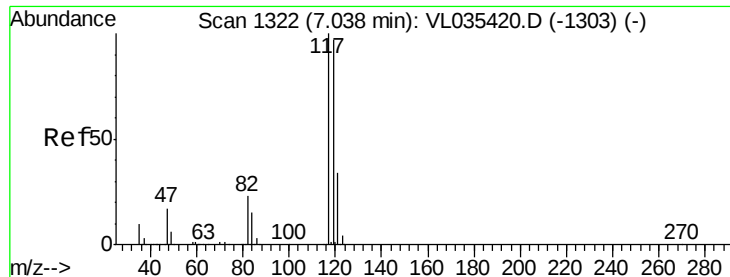
Tot Ion:114 Resp: 5195978
 Ion Ratio Lower Upper
 114 100
 63 17.6 23.1 34.7#
 88 16.7 15.9 23.9



#34
 2-Butanone
 Concen: 6.768 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VL035478.D
 Acq: 20 Aug 2020 17:09

Tgt Ion: 43 Resp: 1174878
 Ion Ratio Lower Upper
 43 100
 72 36.5 17.6 26.4#





#35

Carbon Tetrachloride

Concen: 0.053 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

SSMP-3

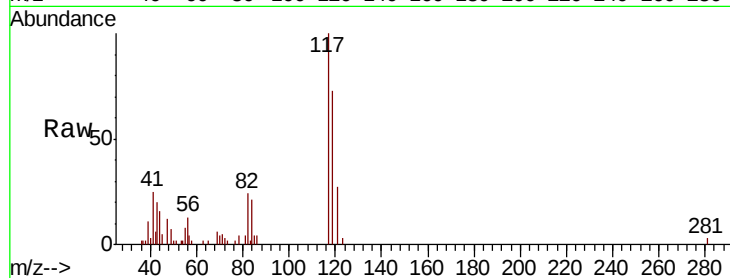
Tot Ion:117 Resp: 14644

Ion Ratio Lower Upper

117 100

119 73.2 76.1 114.1#

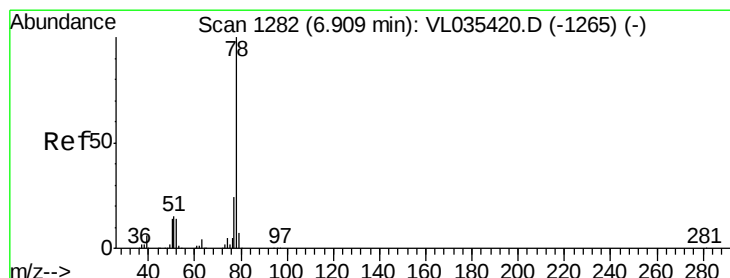
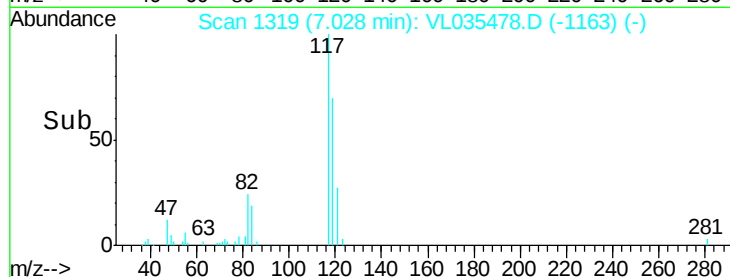
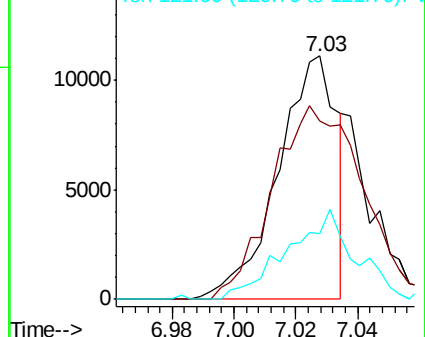
121 27.1 25.5 38.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 1.865 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. -0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

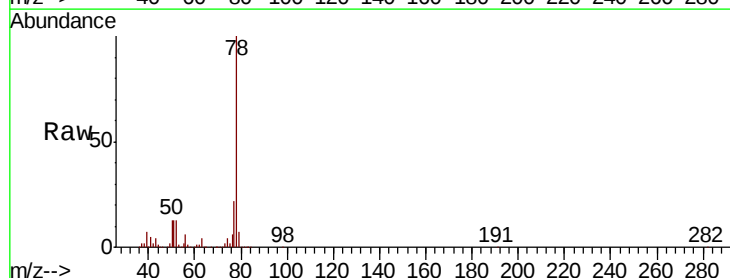
Tgt Ion: 78 Resp: 711296

Ion Ratio Lower Upper

78 100

77 22.2 19.6 29.4

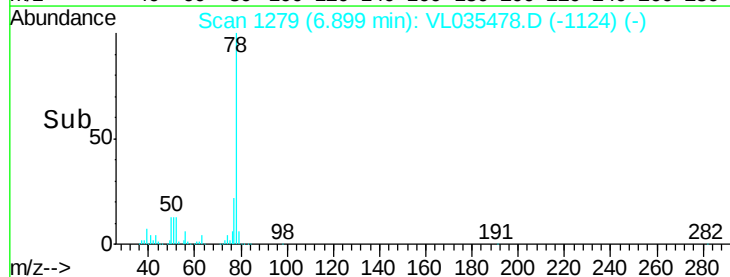
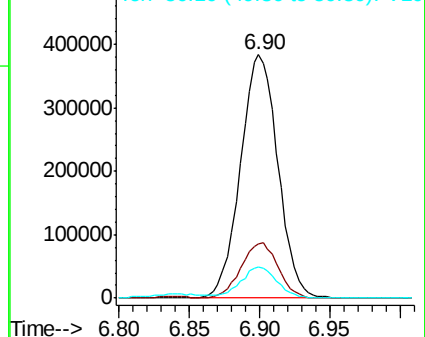
50 12.5 16.3 24.5#

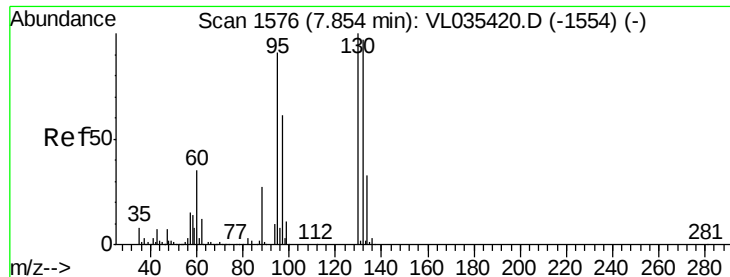


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#38

Trichloroethene

Concen: 8.848 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

SSMP-3

Tot Ion:130 Resp: 1876927

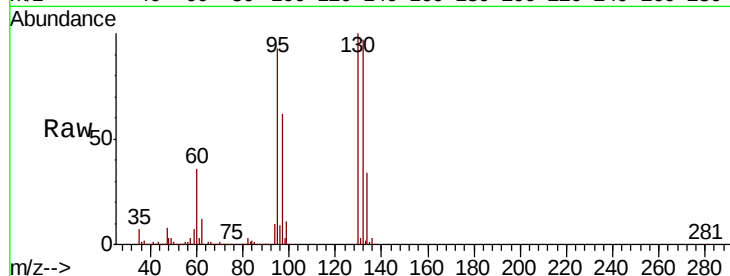
Ion Ratio Lower Upper

130 100

95 92.9 95.8 143.8#

132 97.3 74.3 111.5

97 61.8 62.6 94.0#



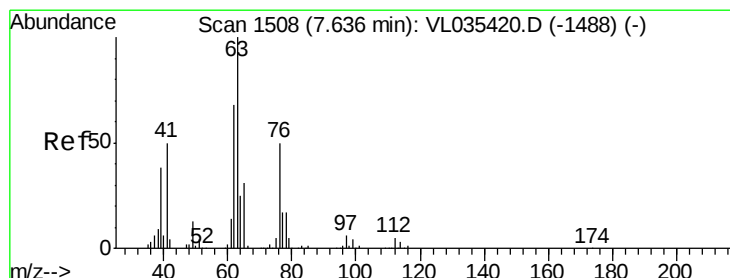
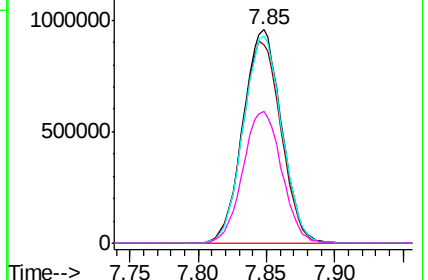
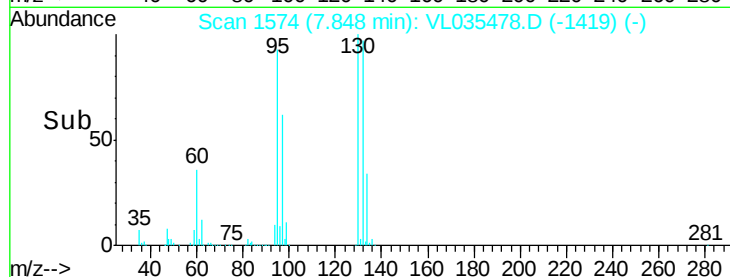
Abundance

Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 7.198 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.44 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

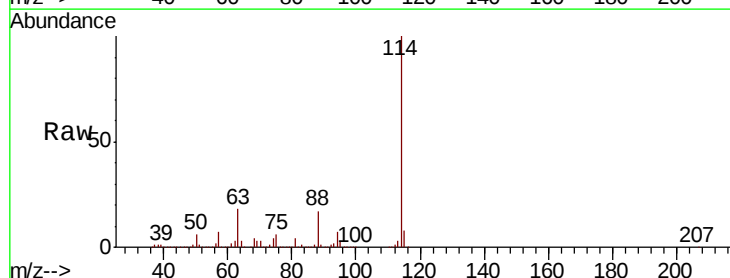
Tgt Ion: 63 Resp: 904650

Ion Ratio Lower Upper

63 100

41 0.0 61.1 91.7#

62 16.6 55.3 82.9#

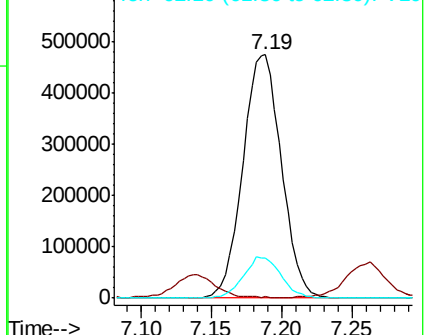
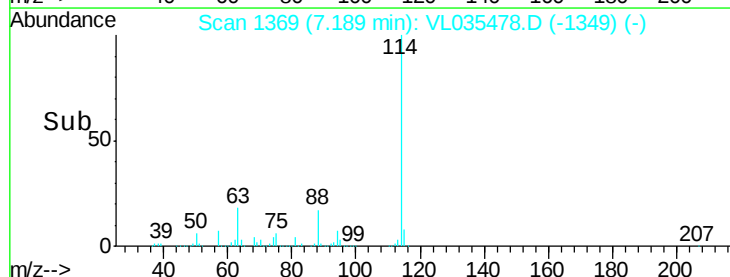


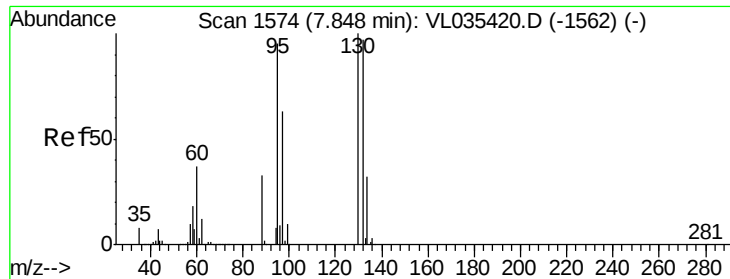
Abundance

Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

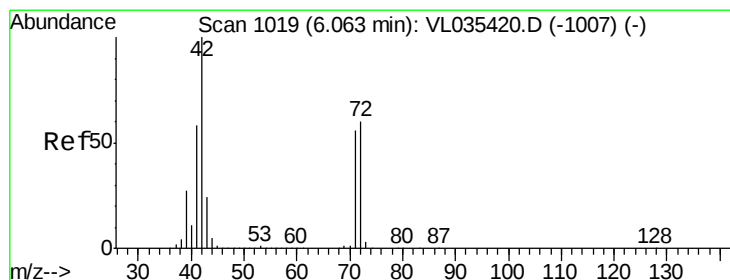
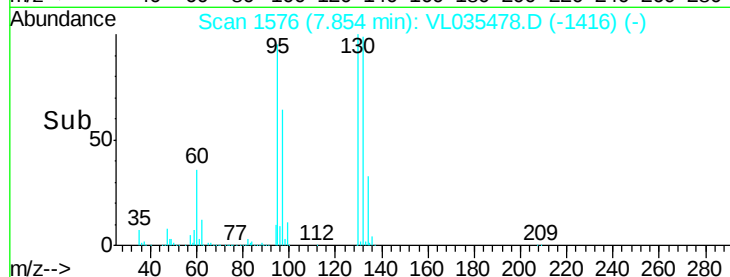
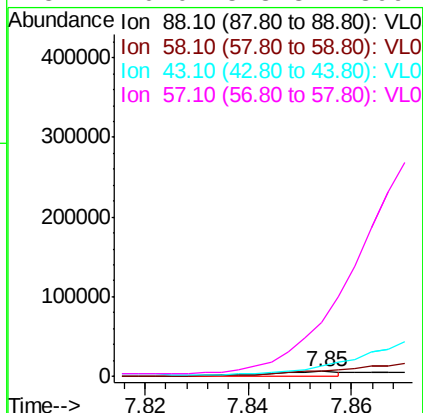
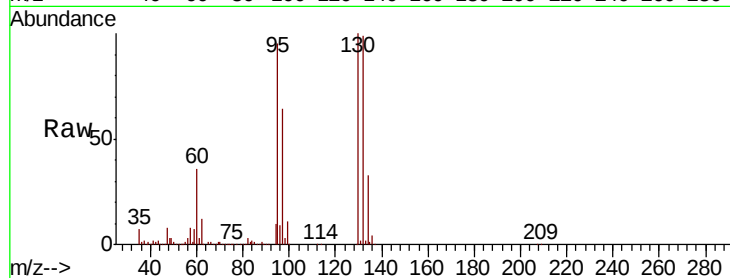




#40
 1,4-Dioxane
 Concen: 0.085 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VL035478.D
 Acq: 20 Aug 2020 17:09

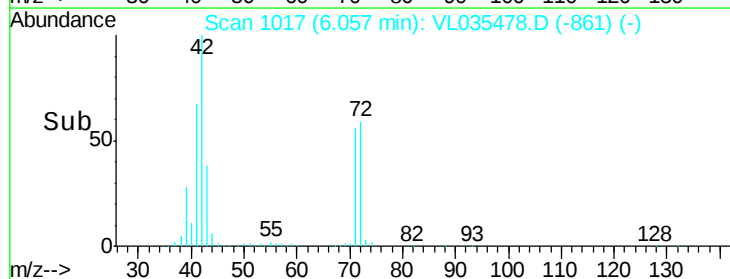
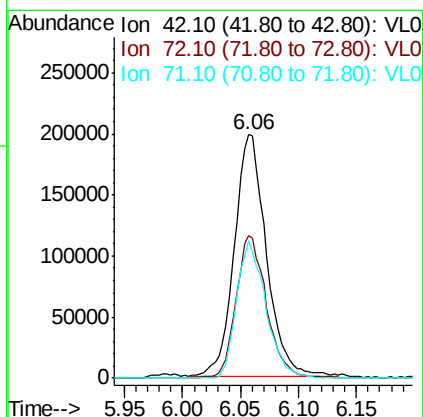
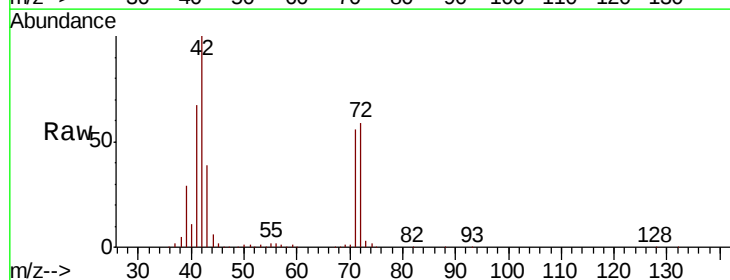
Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-3

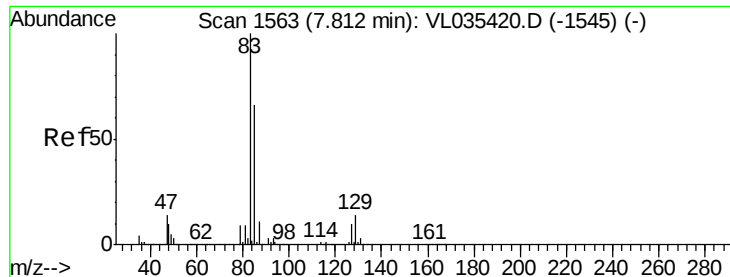
Tot Ion: 88 Resp: 5826
 Ion Ratio Lower Upper
 88 100
 58 0.0 106.6 160.0#
 43 0.0 209.7 314.5#
 57 0.0 873.3 1309.9#



#41
 Tetrahydrofuran
 Concen: 3.949 ppbv
 RT: 6.06 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VL035478.D
 Acq: 20 Aug 2020 17:09

Tgt Ion: 42 Resp: 378191
 Ion Ratio Lower Upper
 42 100
 72 56.6 29.4 44.2#
 71 51.6 28.9 43.3#





#42

Bromodichloromethane

Concen: 0.077 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

SSMP-3

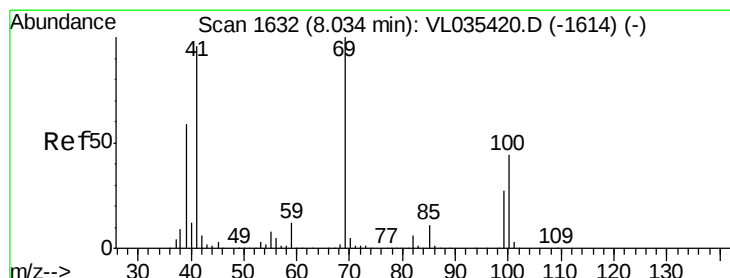
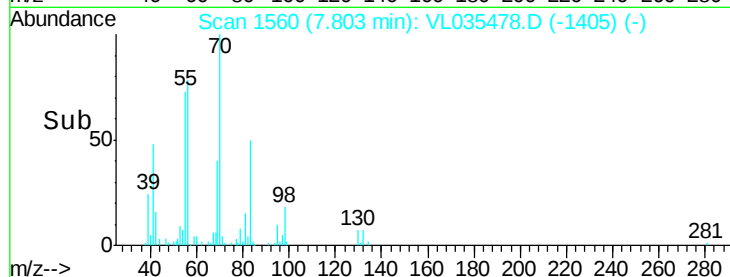
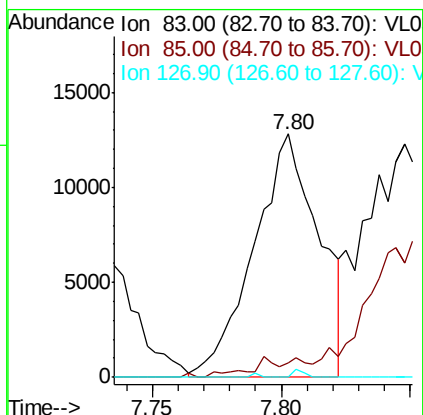
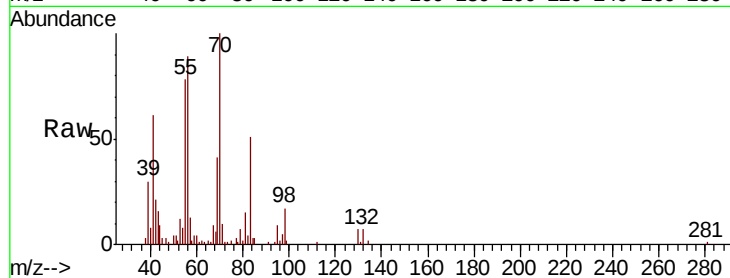
Tot Ion: 83 Resp: 22421

Ion Ratio Lower Upper

83 100

85 4.5 54.8 82.2#

127 0.0 6.1 9.1#



#43

Methyl Methacrylate

Concen: 0.134 ppbv

RT: 8.03 min Scan# 1632

Delta R.T. 0.01 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

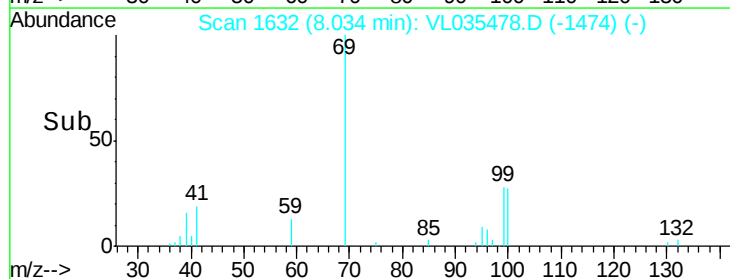
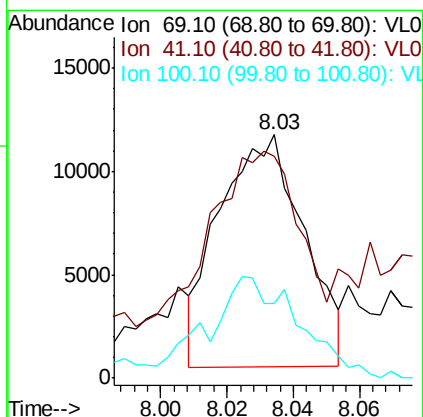
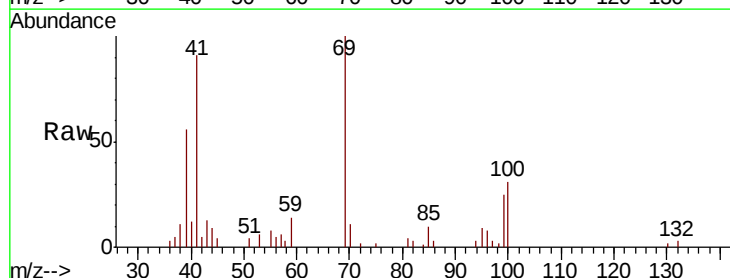
Tgt Ion: 69 Resp: 19938

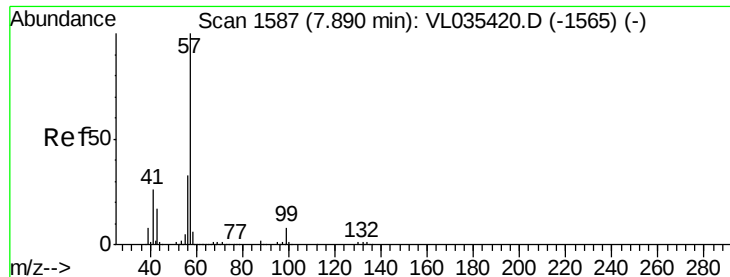
Ion Ratio Lower Upper

69 100

41 190.1 123.4 185.0#

100 58.2 24.2 36.4#

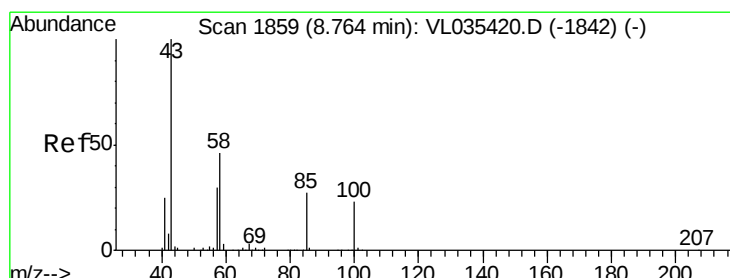
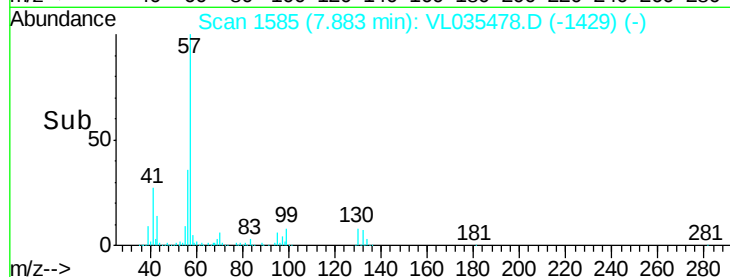
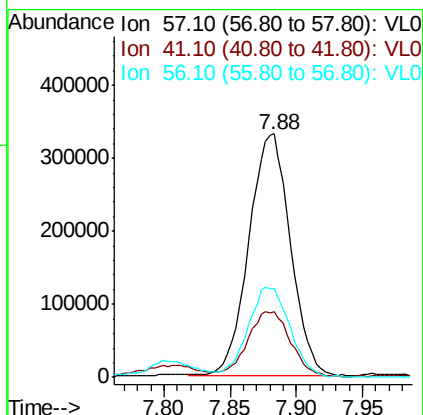
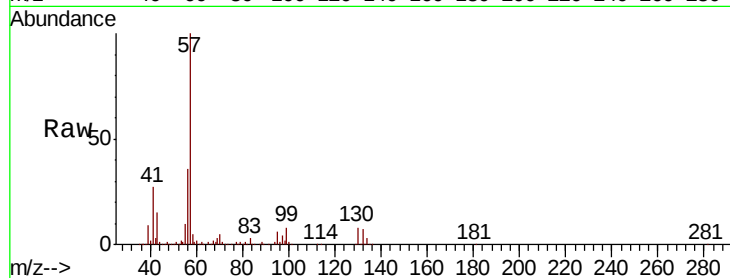




#44
 2,2,4-Trimethylpentane
 Concen: 1.451 ppbv
 RT: 7.88 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VL035478.D
 Acq: 20 Aug 2020 17:09

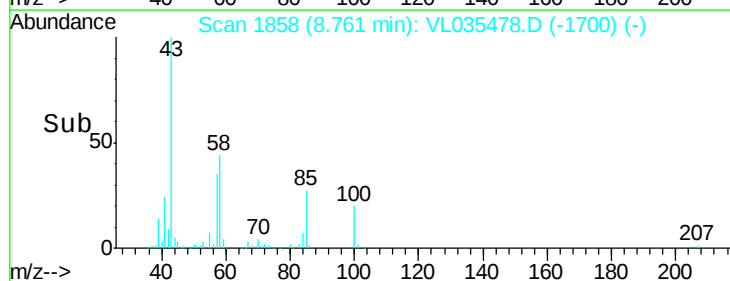
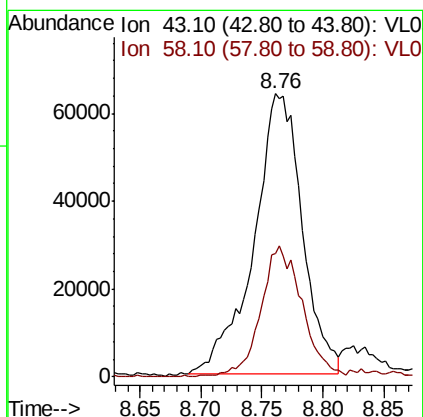
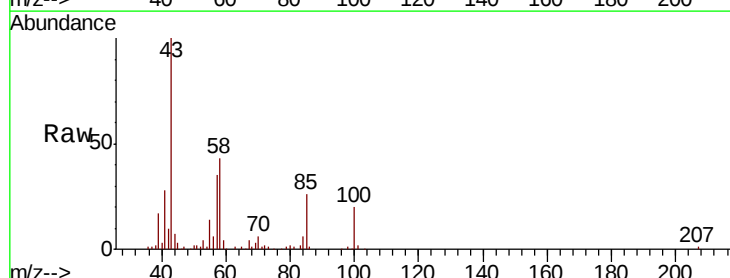
Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-3

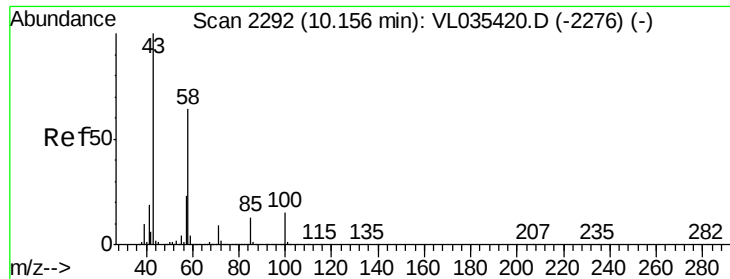
Tot Ion: 57 Resp: 722572
 Ion Ratio Lower Upper
 57 100
 41 27.9 27.2 40.8
 56 37.5 25.4 38.0



#50
 4-Methyl-2-Pentanone
 Concen: 0.706 ppbv
 RT: 8.76 min Scan# 1858
 Delta R.T. 0.01 min
 Lab File: VL035478.D
 Acq: 20 Aug 2020 17:09

Tgt Ion: 43 Resp: 175807
 Ion Ratio Lower Upper
 43 100
 58 40.5 28.7 43.1

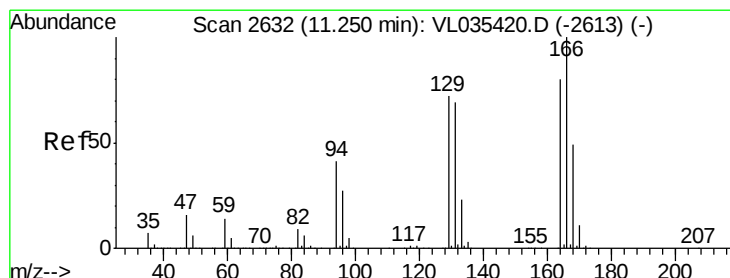
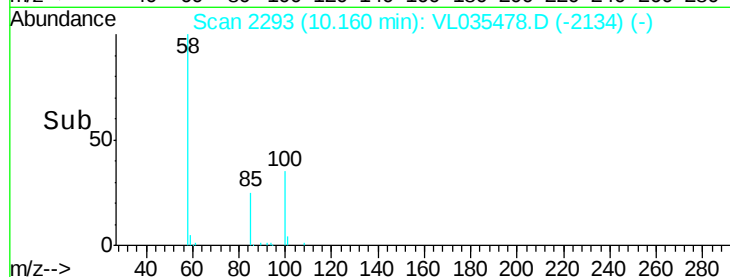
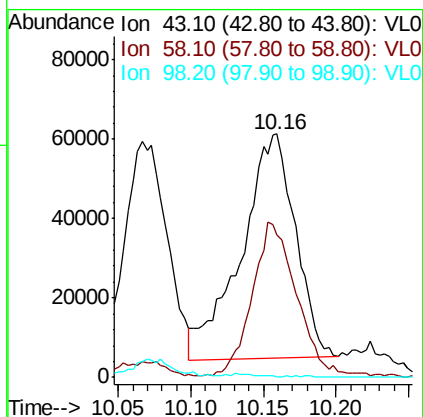
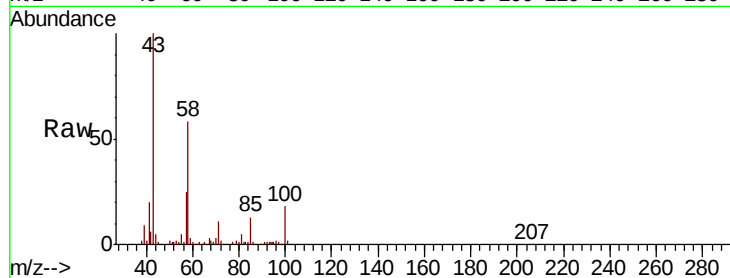




#51
2-Hexanone
Concen: 0.704 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VL035478.D
Acq: 20 Aug 2020 17:09

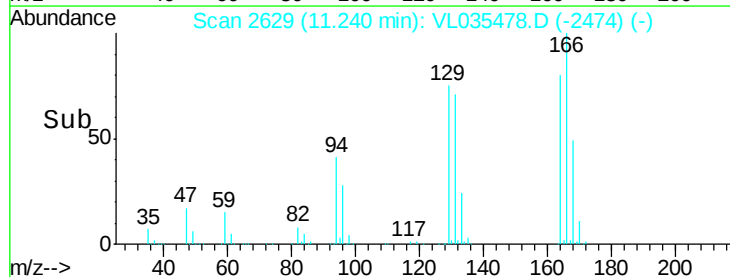
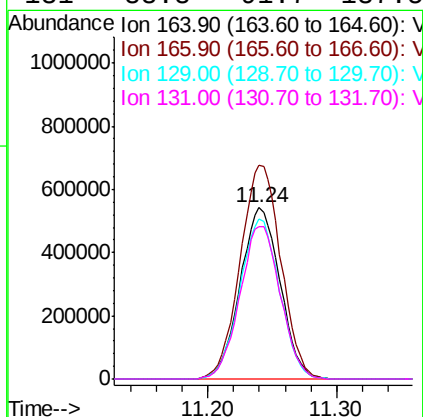
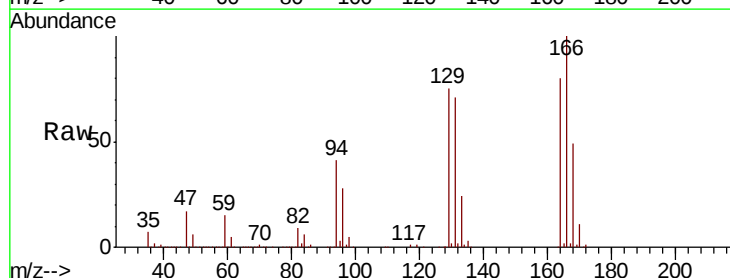
Instrument :
MSVOA_L
ClientSampleId :
SSMP-3

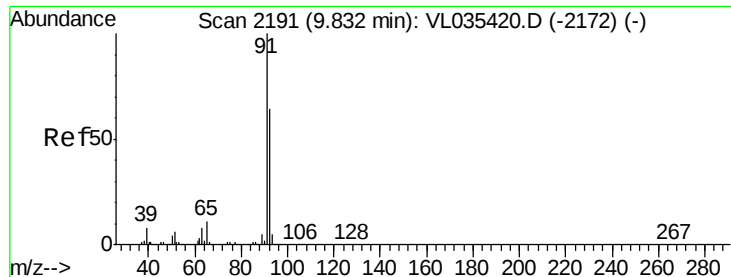
Tot Ion: 43 Resp: 147710
Ion Ratio Lower Upper
43 100
58 57.8 38.6 58.0
98 1.2 0.2 0.2#



#52
Tetrachloroethene
Concen: 5.011 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. -0.00 min
Lab File: VL035478.D
Acq: 20 Aug 2020 17:09

Tgt Ion:164 Resp: 1165615
Ion Ratio Lower Upper
164 100
166 124.8 103.4 155.0
129 93.8 90.2 135.4
131 88.8 91.7 137.5#





#53

Toluene

Concen: 10.173 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

ClientSampled :

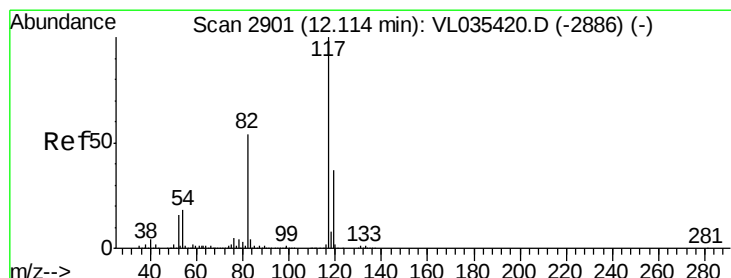
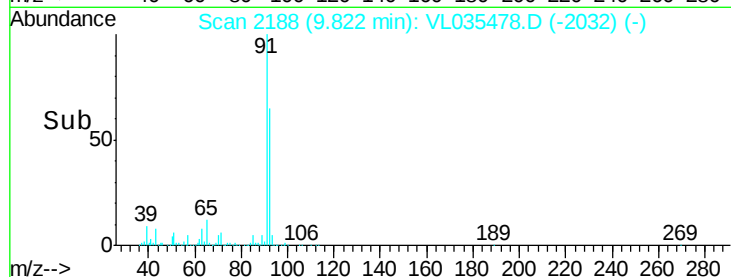
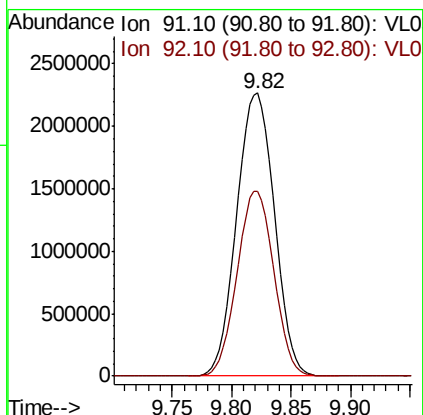
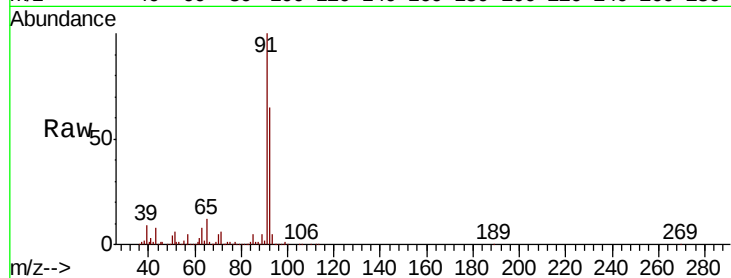
SSMP-3

Tot Ion: 91 Resp: 4996903

Ion Ratio Lower Upper

91 100

92 63.7 49.1 73.7



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

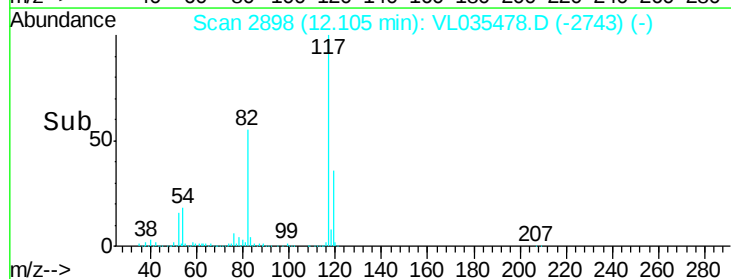
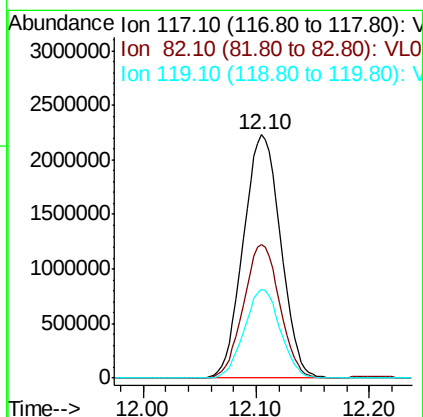
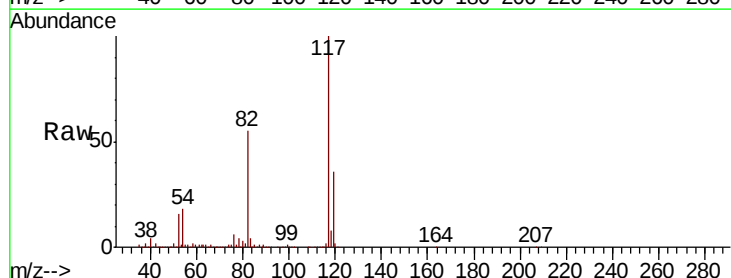
Tgt Ion: 117 Resp: 5133612

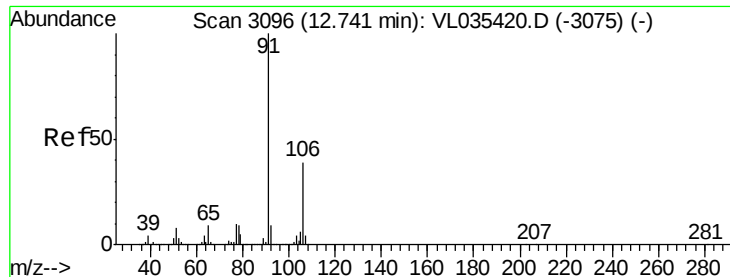
Ion Ratio Lower Upper

117 100

82 53.3 57.4 86.0#

119 35.2 28.4 42.6





#58

Ethyl Benzene

Concen: 2.024 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. -0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

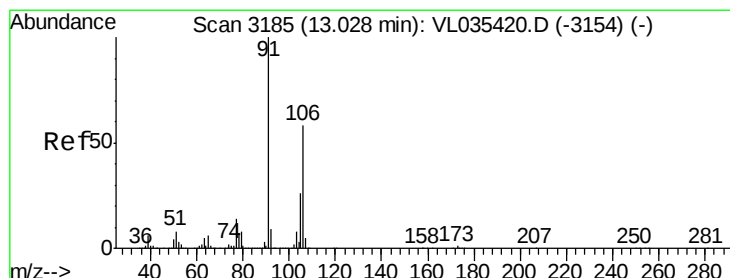
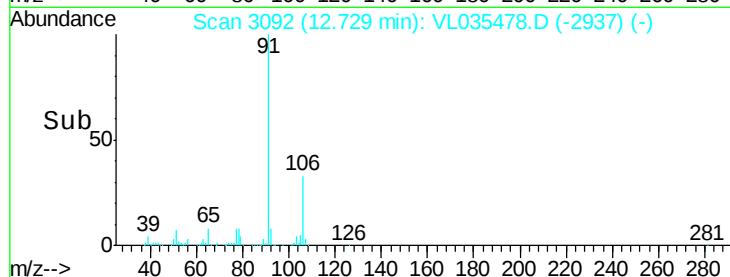
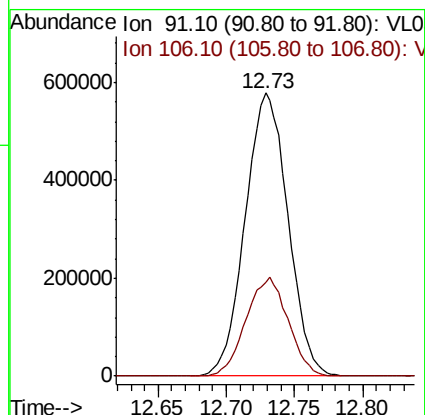
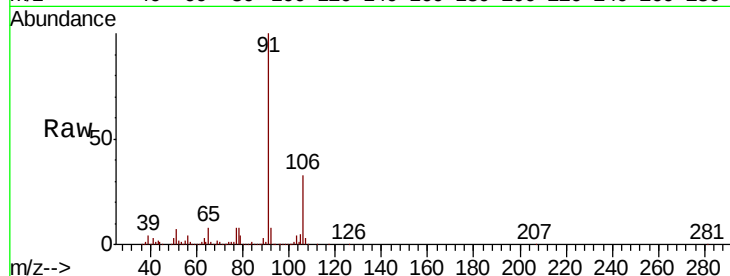
SSMP-3

Tot Ion: 91 Resp: 1254518

Ion Ratio Lower Upper

91 100

106 33.4 24.1 36.1



#59

m/p-Xylene

Concen: 6.910 ppbv

RT: 12.99 min Scan# 3172

Delta R.T. -0.04 min

Lab File: VL035478.D

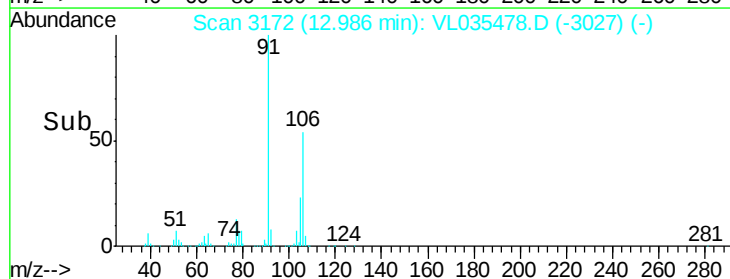
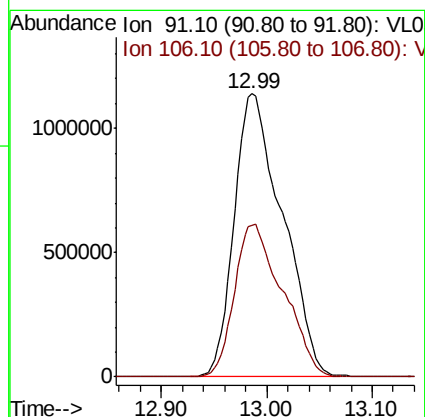
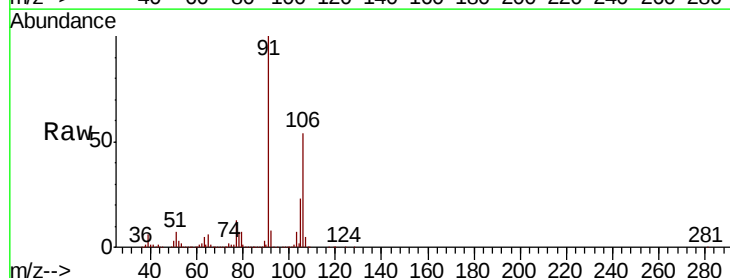
Acq: 20 Aug 2020 17:09

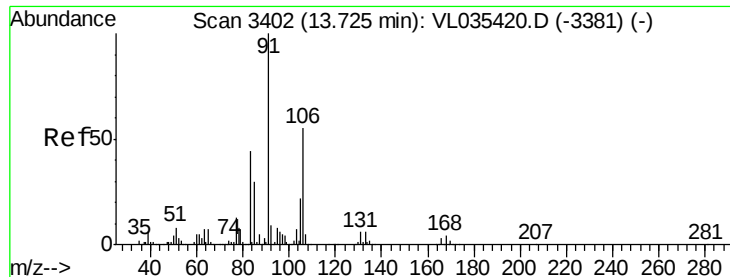
Tgt Ion: 91 Resp: 3619930

Ion Ratio Lower Upper

91 100

106 53.8 34.0 51.0#

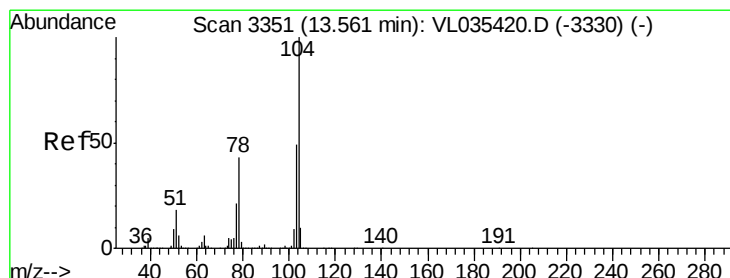
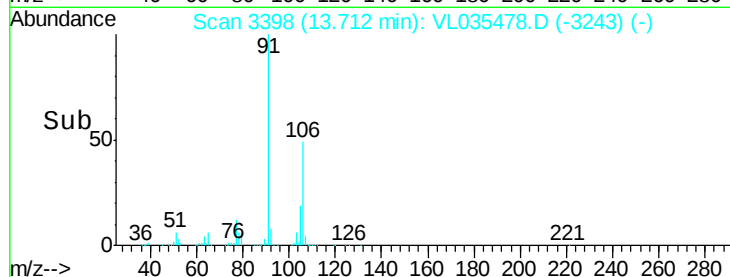
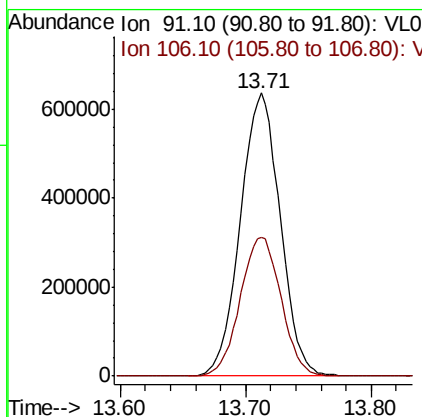
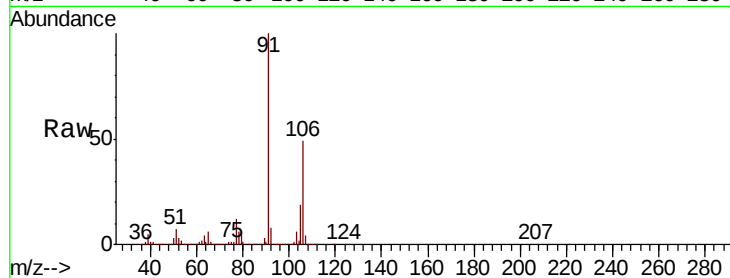




#60
o-Xylene
Concen: 2.748 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.00 min
Lab File: VL035478.D
Acq: 20 Aug 2020 17:09

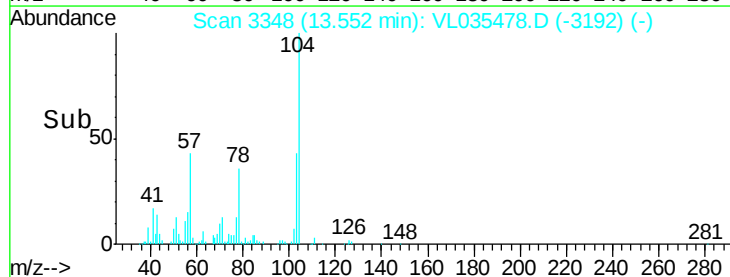
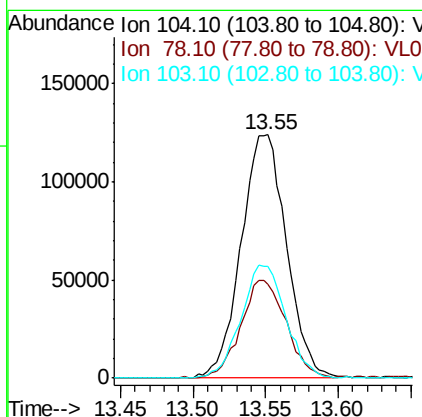
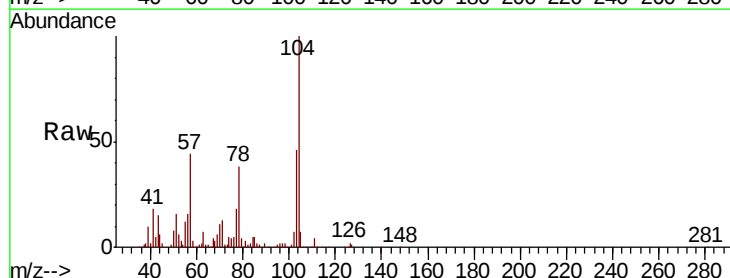
Instrument :
MSVOA_L
ClientSampleId :
SSMP-3

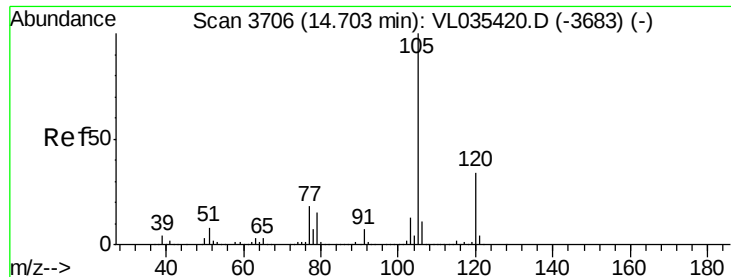
Tot Ion: 91 Resp: 1399006
Ion Ratio Lower Upper
91 100
106 50.5 21.8 65.3



#61
Styrene
Concen: 0.651 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. 0.00 min
Lab File: VL035478.D
Acq: 20 Aug 2020 17:09

Tgt Ion: 104 Resp: 267961
Ion Ratio Lower Upper
104 100
78 40.8 45.4 68.2#
103 46.3 37.8 56.8





#62

Isopropylbenzene

Concen: 0.183 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. -0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

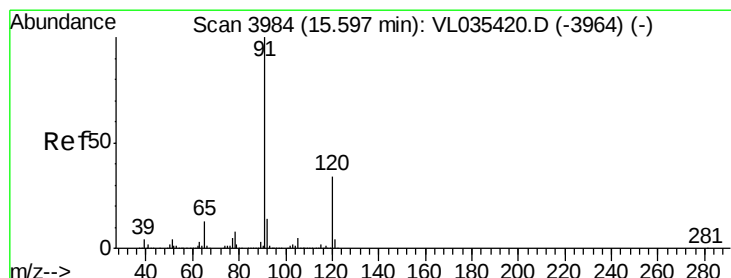
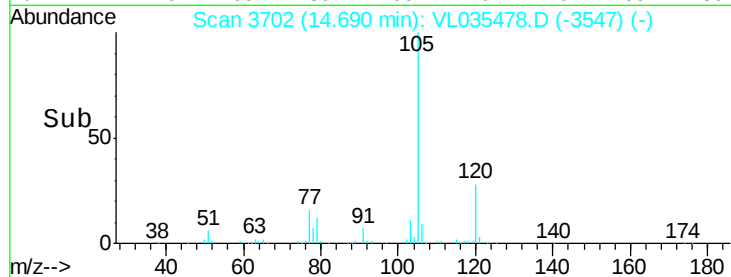
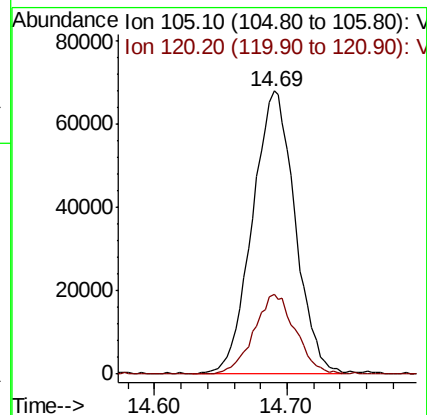
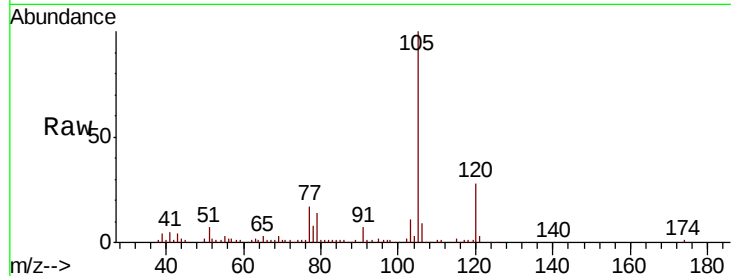
SSMP-3

Tot Ion:105 Resp: 152341

Ion Ratio Lower Upper

105 100

120 27.3 20.3 30.5



#64

n-propylbenzene

Concen: 0.609 ppbv

RT: 15.59 min Scan# 3981

Delta R.T. 0.00 min

Lab File: VL035478.D

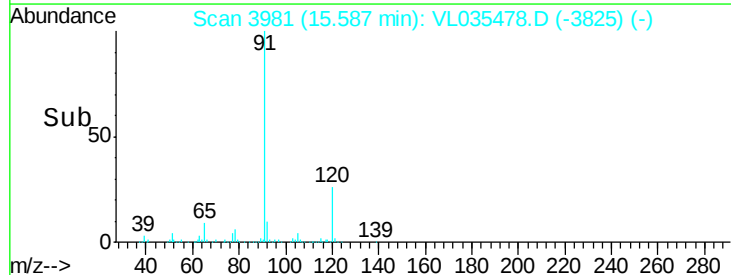
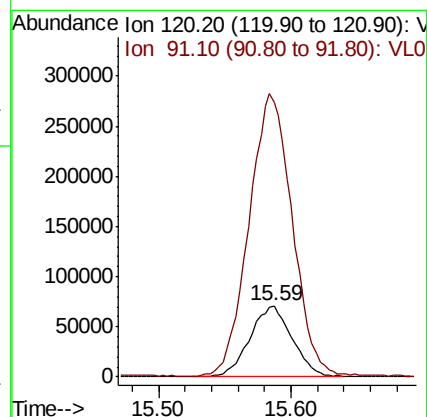
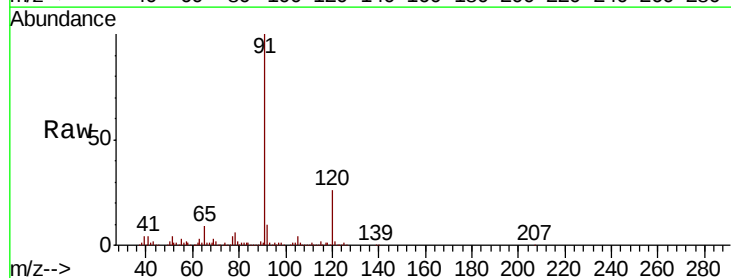
Acq: 20 Aug 2020 17:09

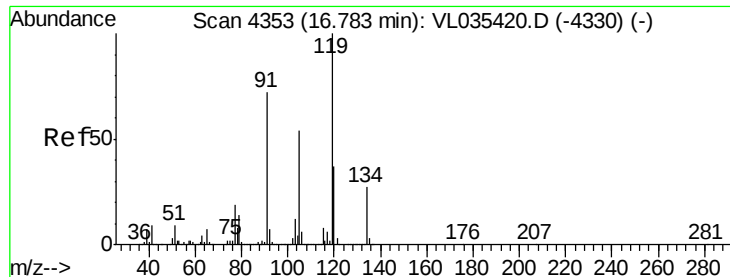
Tgt Ion:120 Resp: 156567

Ion Ratio Lower Upper

120 100

91 406.6 385.5 578.3





#65

tert-Butylbenzene

Concen: 0.516 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.01 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

SSMP-3

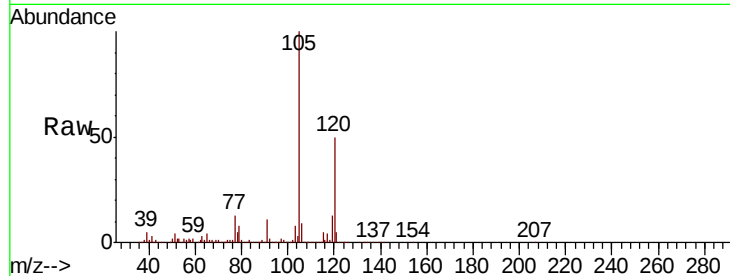
Tot Ion:119 Resp: 418234

Ion Ratio Lower Upper

119 100

91 87.8 72.0 108.0

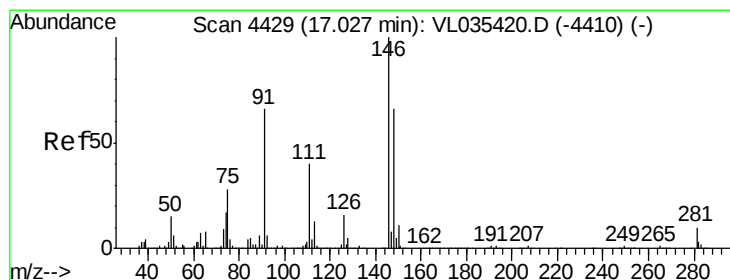
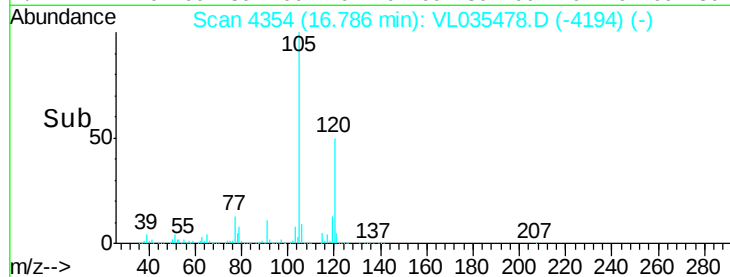
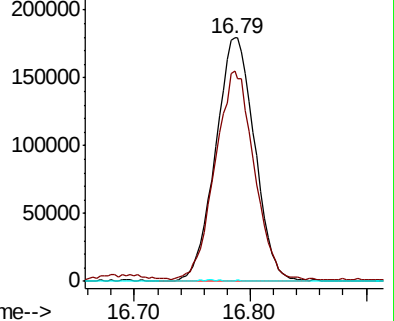
134 0.5 15.7 23.5#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 1.817 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. -0.23 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

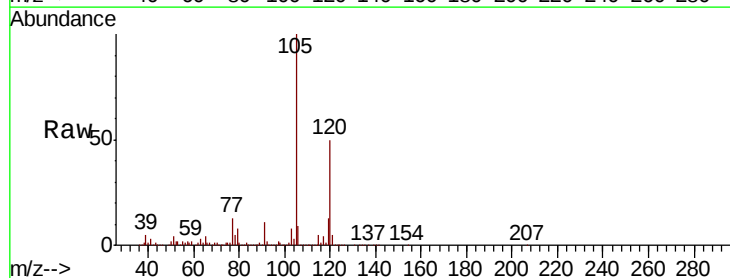
Tgt Ion: 91 Resp: 354361

Ion Ratio Lower Upper

91 100

126 1.6 13.3 19.9#

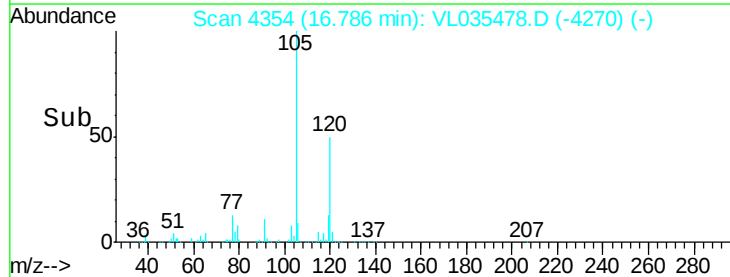
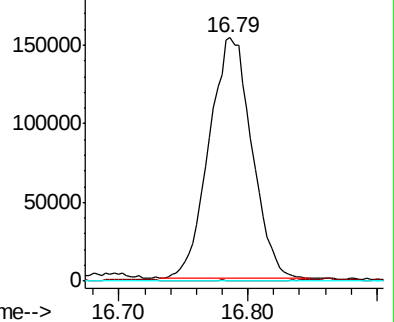
128 0.0 4.1 6.1#

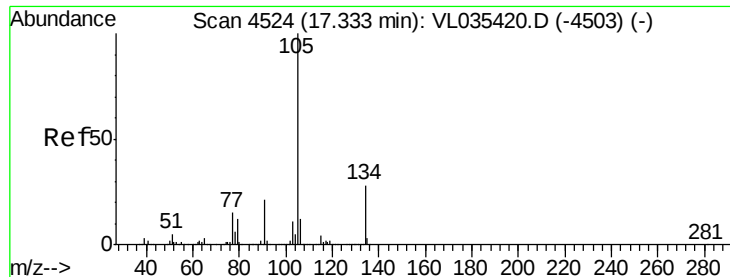


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.121 ppbv

RT: 17.32 min Scan# 4519

Delta R.T. -0.01 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

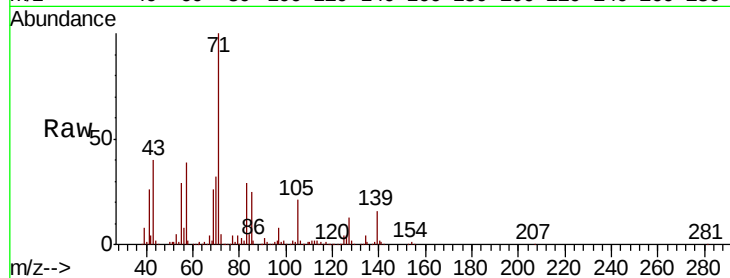
SSMP-3

Tot Ion:105 Resp: 129277

Ion Ratio Lower Upper

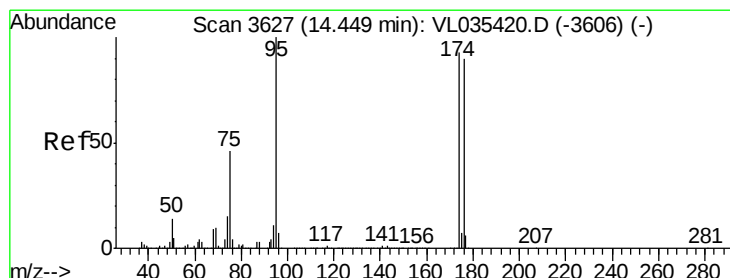
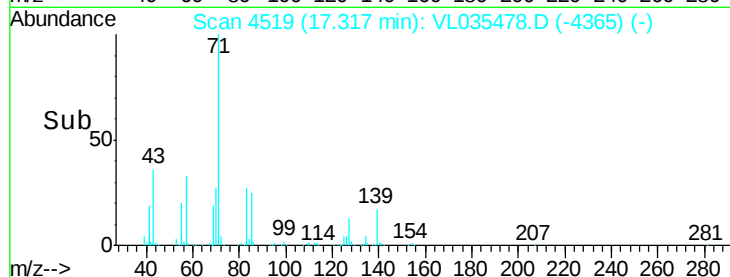
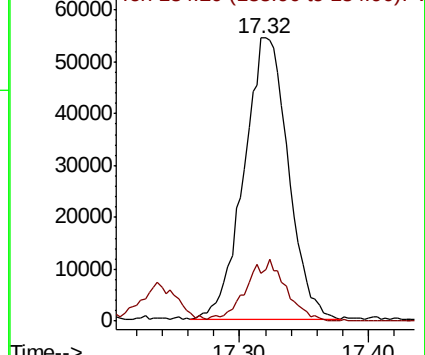
105 100

134 20.1 14.1 21.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.296 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

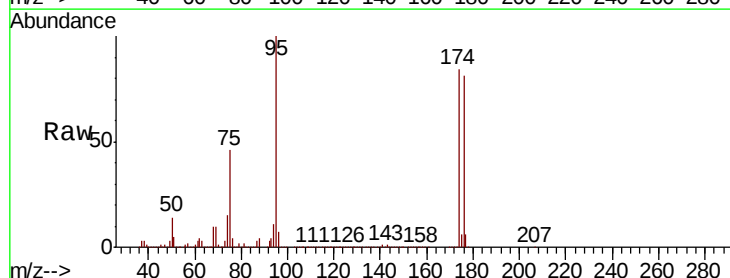
Tgt Ion: 95 Resp: 3700172

Ion Ratio Lower Upper

95 100

174 86.6 44.0 66.0#

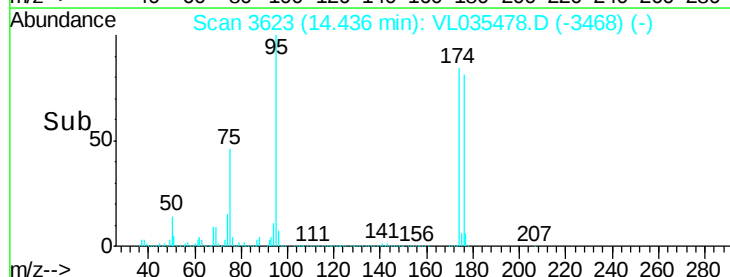
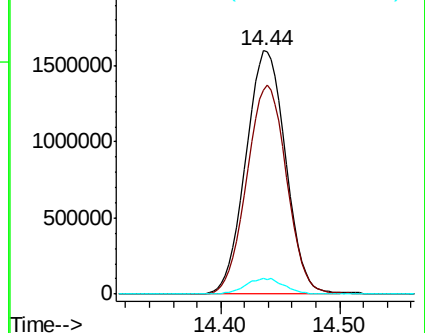
175 6.3 3.2 4.8#

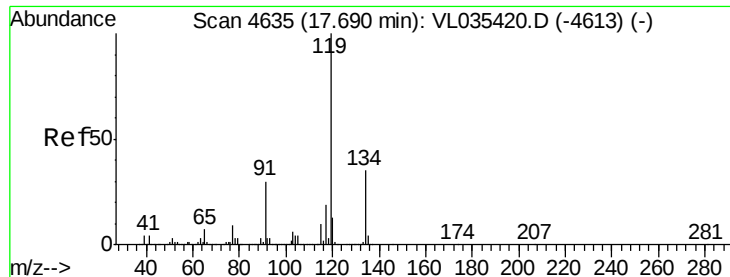


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

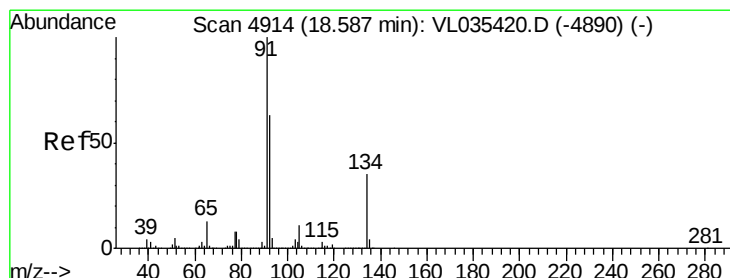
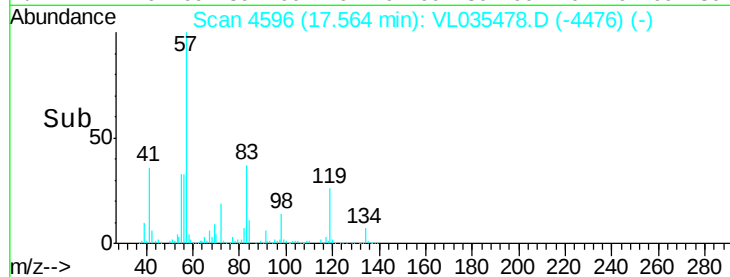
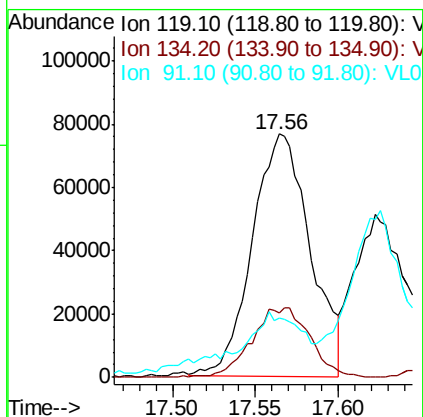
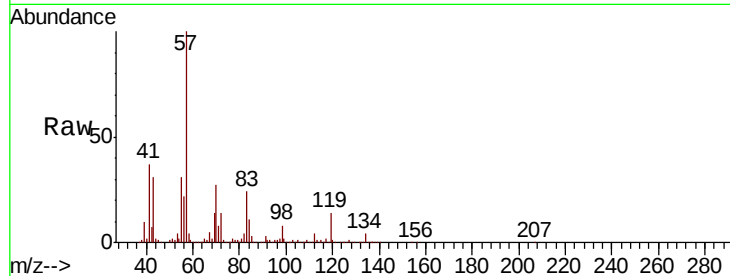




#69
 p-Isopropyltoluene
 Concen: 0.197 ppbv
 RT: 17.56 min Scan# 4596
 Delta R.T. -0.12 min
 Lab File: VL035478.D
 Acq: 20 Aug 2020 17:09

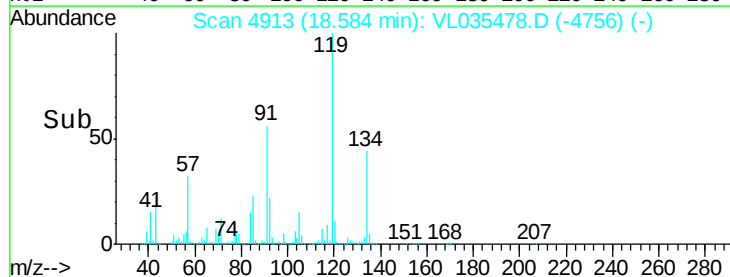
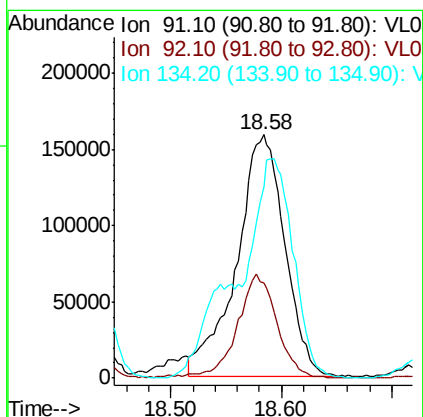
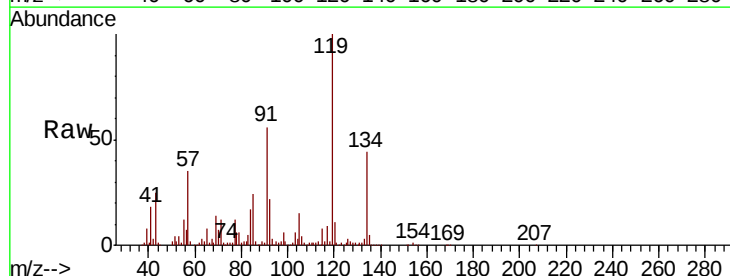
Instrument :
 MSVOA_L
 ClientSampled :
 SSMP-3

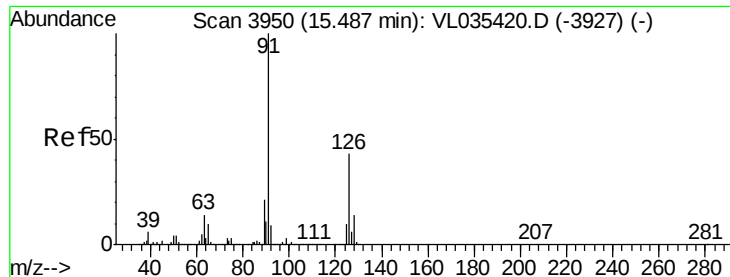
Tot Ion	Ratio	Lower	Upper
119	100		
134	29.0	20.6	30.8
91	31.0	26.6	39.8



#70
 n-Butylbenzene
 Concen: 0.533 ppbv
 RT: 18.58 min Scan# 4913
 Delta R.T. 0.00 min
 Lab File: VL035478.D
 Acq: 20 Aug 2020 17:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	35.5	44.8	67.2#
134	106.0	17.3	25.9#

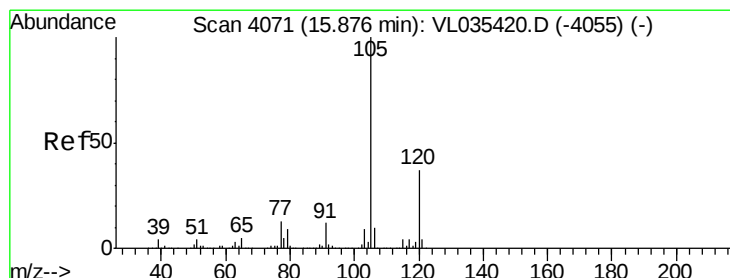
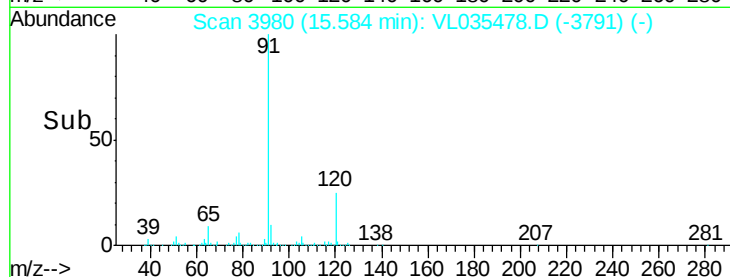
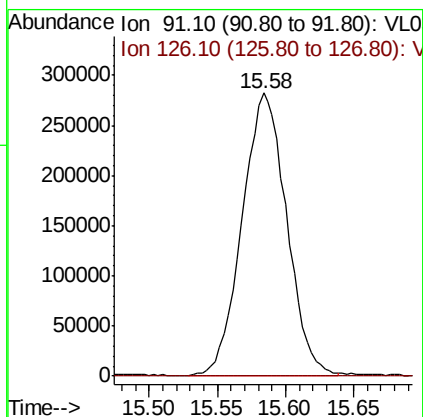
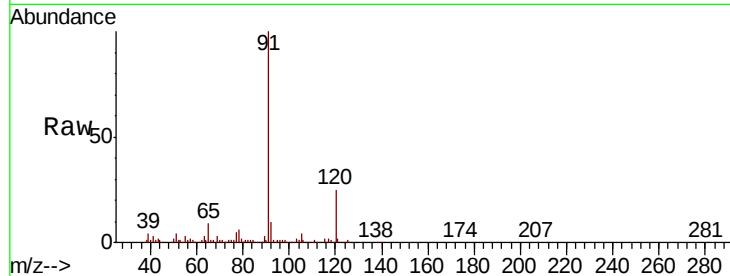




#71
 2-Chlorotoluene
 Concen: 1.048 ppbv
 RT: 15.58 min Scan# 3980
 Delta R.T. 0.11 min
 Lab File: VL035478.D
 Acq: 20 Aug 2020 17:09

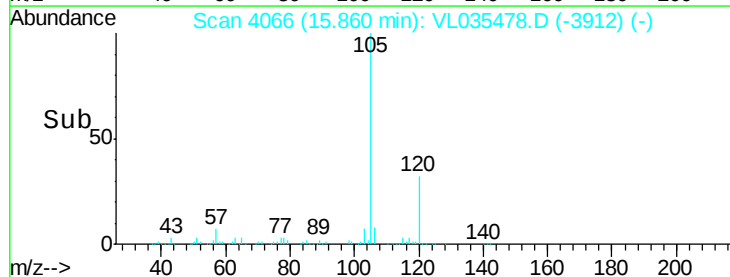
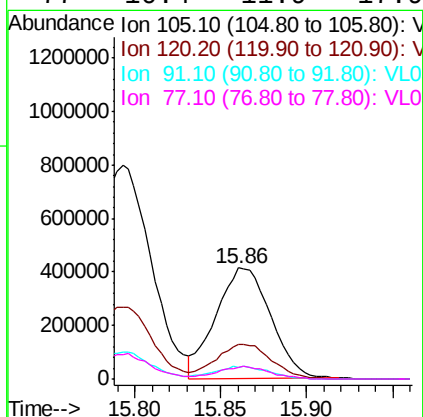
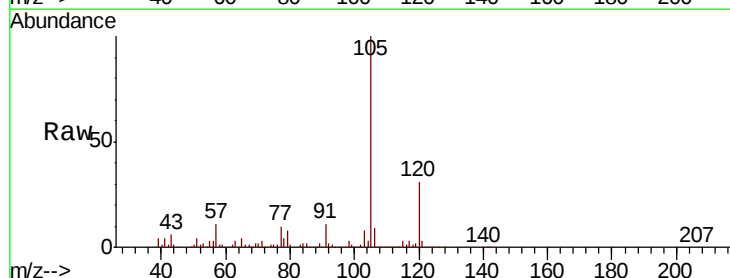
Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-3

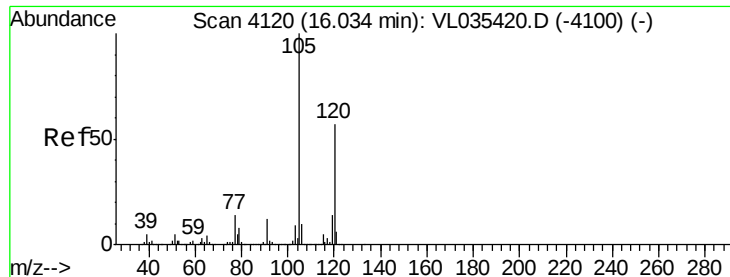
Tot Ion: 91 Resp: 634280
 Ion Ratio Lower Upper
 91 100
 126 0.4 11.4 45.6#



#72
 4-Ethyltoluene
 Concen: 1.378 ppbv
 RT: 15.86 min Scan# 4066
 Delta R.T. -0.01 min
 Lab File: VL035478.D
 Acq: 20 Aug 2020 17:09

Tgt Ion: 105 Resp: 920568
 Ion Ratio Lower Upper
 105 100
 120 31.4 22.7 34.1
 91 10.9 10.8 16.2
 77 10.4 11.9 17.9#





#73

1,3,5-Trimethylbenzene

Concen: 1.498 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. -0.01 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

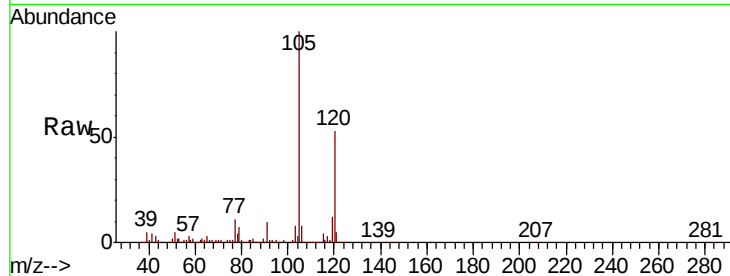
SSMP-3

Tot Ion:105 Resp: 931532

Ion Ratio Lower Upper

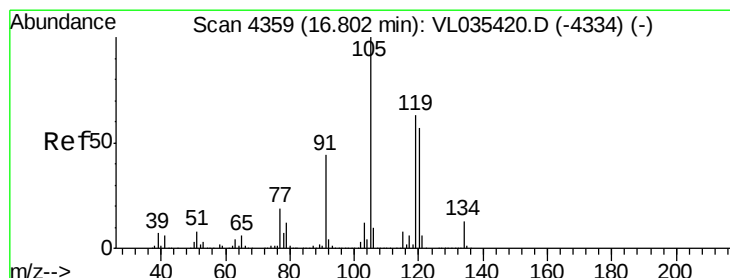
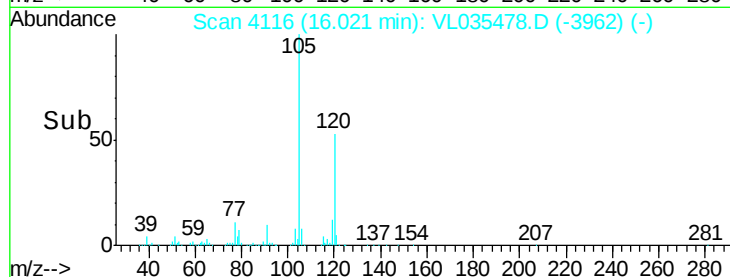
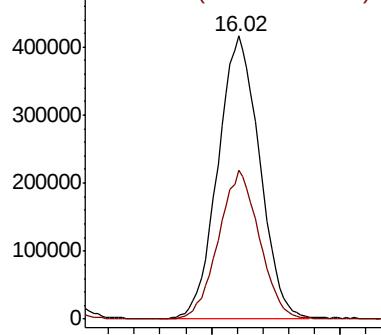
105 100

120 52.8 35.6 53.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 4.969 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. -0.01 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Tgt Ion:105 Resp: 3356612

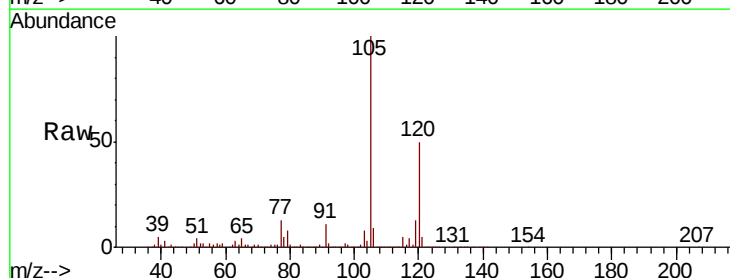
Ion Ratio Lower Upper

105 100

120 49.5 37.8 56.8

91 10.8 40.0 60.0#

77 12.6 18.8 28.2#

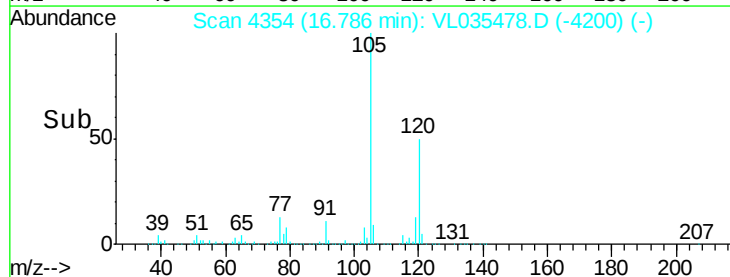
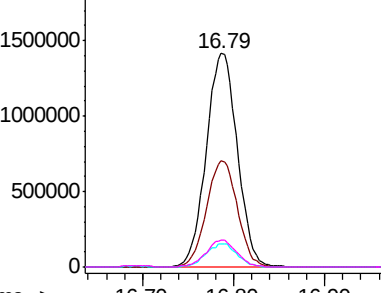


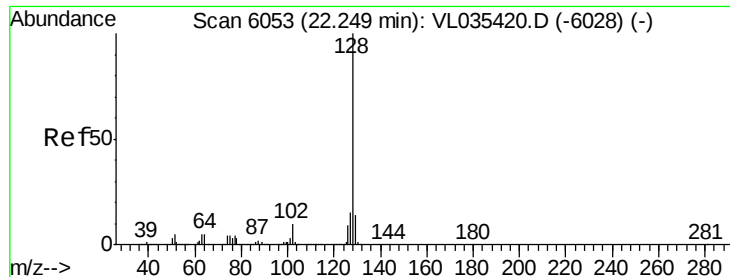
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#79

Naphthalene

Concen: 1.379 ppbv

RT: 22.23 min Scan# 6048

Delta R.T. -0.01 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

SSMP-3

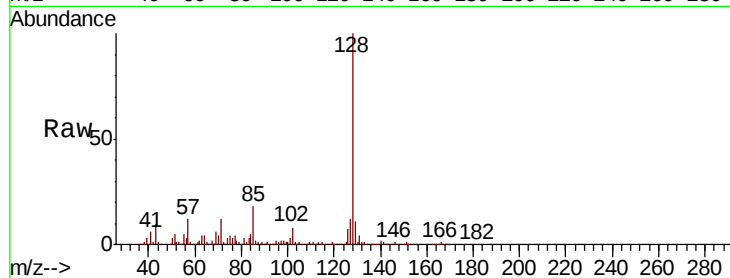
Tot Ion:128 Resp: 1312082

Ion Ratio Lower Upper

128 100

127 11.9 11.4 17.0

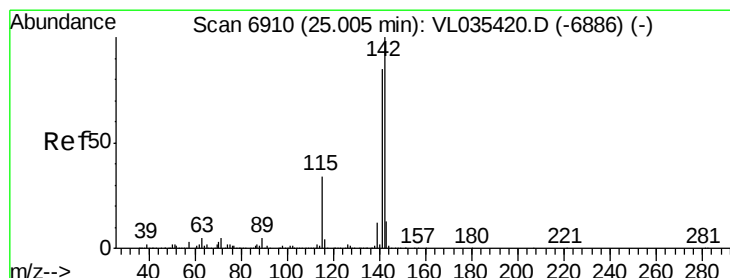
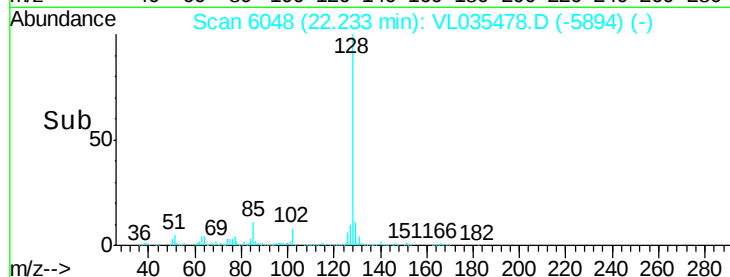
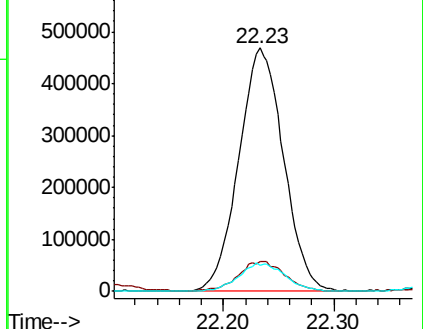
129 10.7 9.5 14.3



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 1.188 ppbv

RT: 24.99 min Scan# 6907

Delta R.T. -0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

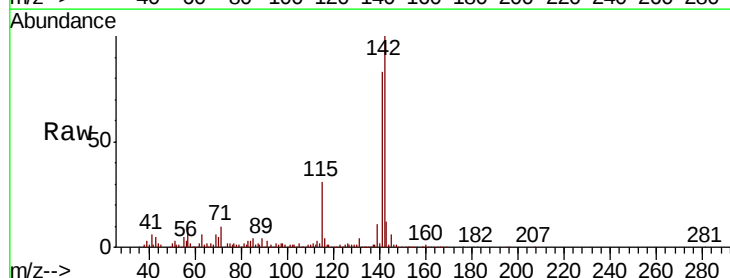
Tgt Ion:142 Resp: 466998

Ion Ratio Lower Upper

142 100

141 83.9 67.1 100.7

115 38.1 36.1 54.1



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

