

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
 Data File : VL035480.D
 Acq On : 20 Aug 2020 18:29
 Operator : SY/AP
 Sample : L3743-04
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-4

Quant Time: Aug 21 06:00:54 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	1087255	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	5117690	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5006532	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3606345	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.98	85	6968	0.035	ppbv 99
3) Chlorodifluoromethane	2.96	51	14186902	104.069	ppbv # 59
4) Chloromethane	3.14	50	27606	0.389	ppbv 95
5) Vinyl Chloride	3.02	62	5262	0.062	ppbv # 1
9) Propene	3.02	41	797751	14.559	ppbv # 76
10) Heptane	8.14	43	156024	1.086	ppbv # 74
11) Trichlorofluoromethane	3.95	101	151217	0.478	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	17574	0.075	ppbv 93
13) Ethanol	3.62	45	5951241	296.442	ppbv 95
15) Acetone	3.85	43	4271658	34.134	ppbv # 76
16) 1,3-Butadiene	3.30	39	64927	1.279	ppbv # 35
17) tert-Butyl alcohol	4.32	59	270861	1.675	ppbv 99
19) Isopropyl Alcohol	4.00	45	837810	9.713	ppbv # 1
20) Methylene Chloride	4.35	84	2411514	23.883	ppbv # 66
21) Allyl Chloride	4.37	41	12198	0.192	ppbv # 1
23) Vinyl Acetate	5.06	43	149961	0.838	ppbv # 1
24) 1,1-Dichloroethane	5.02	63	6195	0.035	ppbv # 92
25) Ethyl Acetate	5.69	43	598480	2.458	ppbv # 79
26) Hexane	5.69	57	1086937	7.909	ppbv # 29
27) Carbon Disulfide	4.56	76	154438	0.777	ppbv # 93
29) Chloroform	5.76	83	304143	1.102	ppbv 99
30) Cyclohexane	7.14	84	132477	0.869	ppbv # 57
32) 1,1,1-Trichloroethane	6.52	97	32386	0.125	ppbv # 91
34) 2-Butanone	5.26	43	872162	5.101	ppbv # 68
35) Carbon Tetrachloride	7.03	117	30634	0.113	ppbv 87
36) Benzene	6.90	78	489262	1.303	ppbv # 89
38) Trichloroethene	7.85	130	11145532	53.344	ppbv 90
39) 1,2-Dichloropropane	7.84	63	50615	0.409	ppbv # 1
41) Tetrahydrofuran	6.07	42	245133	2.599	ppbv # 59
43) Methyl Methacrylate	8.03	69	11102	0.076	ppbv # 70
44) 2,2,4-Trimethylpentane	7.88	57	364053	0.742	ppbv 91
50) 4-Methyl-2-Pentanone	8.76	43	108519	0.442	ppbv # 82
51) 2-Hexanone	10.16	43	87459	0.423	ppbv # 93
52) Tetrachloroethene	11.25	164	8136524	35.513	ppbv 94
53) Toluene	9.83	91	3533007	7.303	ppbv 99
58) Ethyl Benzene	12.73	91	891689	1.475	ppbv 91
59) m/p-Xylene	12.99	91	2684614	5.255	ppbv # 83
60) o-Xylene	13.71	91	1044487	2.104	ppbv 89
61) Styrene	13.55	104	241284	0.601	ppbv # 87
62) Isopropylbenzene	14.69	105	108806	0.134	ppbv 97
64) n-propylbenzene	15.58	120	123205	0.491	ppbv 75

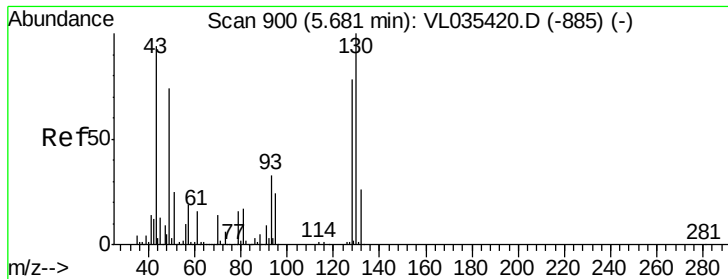
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
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Quant Time: Aug 21 06:00:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) tert-Butylbenzene	16.79	119	360634	0.456	ppbv #	88
66) Benzyl Chloride	17.23	91	19017	0.100	ppbv #	69
67) sec-Butylbenzene	17.32	105	100561	0.097	ppbv	93
69) p-Isopropyltoluene	17.56	119	149059	0.161	ppbv	93
70) n-Butylbenzene	18.58	91	433515	0.497	ppbv #	31
71) 2-Chlorotoluene	15.34	91	209504	0.355	ppbv #	48
72) 4-Ethyltoluene	15.86	105	764088	1.173	ppbv #	93
73) 1,3,5-Trimethylbenzene	16.02	105	766360	1.264	ppbv	92
74) 1,2,4-Trimethylbenzene	16.78	105	2899306	4.401	ppbv #	70
79) Naphthalene	22.23	128	1268863	1.368	ppbv	98
80) Naphthalene,2-methyl-	25.00	142	431092	1.124	ppbv	95

(#) = 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: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4

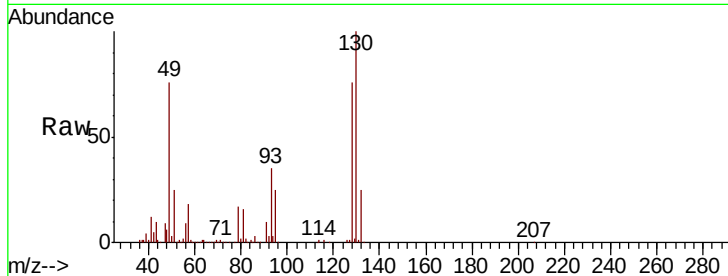
Tot Ion: 49 Resp: 1087255

Ion Ratio Lower Upper

49 100

128 103.1 20.9 62.7#

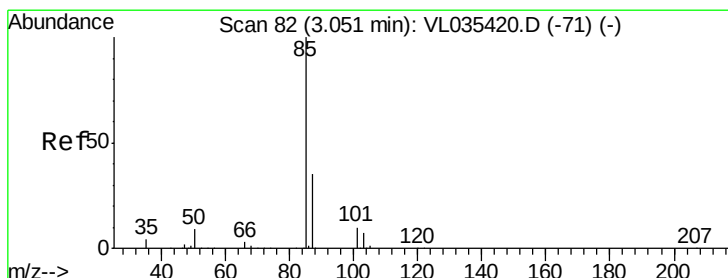
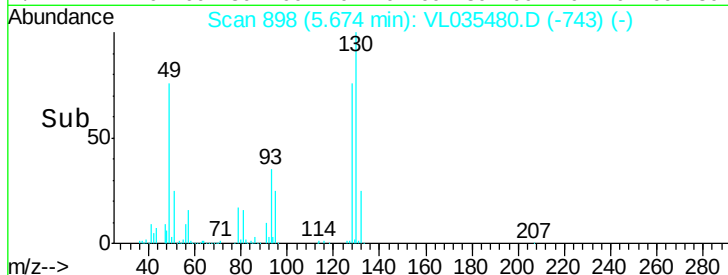
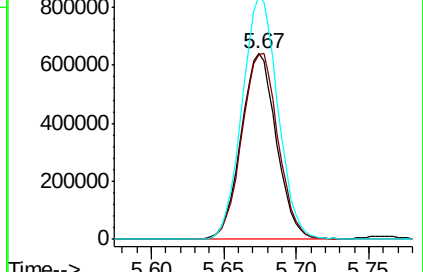
130 132.8 26.7 80.1#



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.035 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.06 min

Lab File: VL035480.D

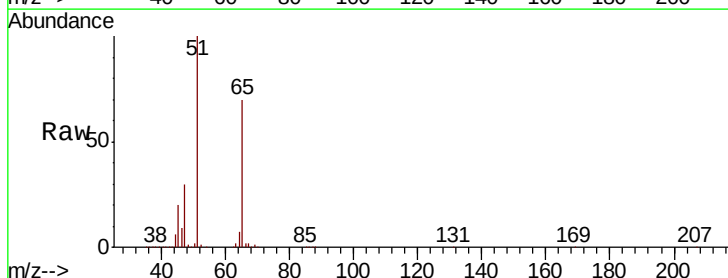
Acq: 20 Aug 2020 18:29

Tgt Ion: 85 Resp: 6968

Ion Ratio Lower Upper

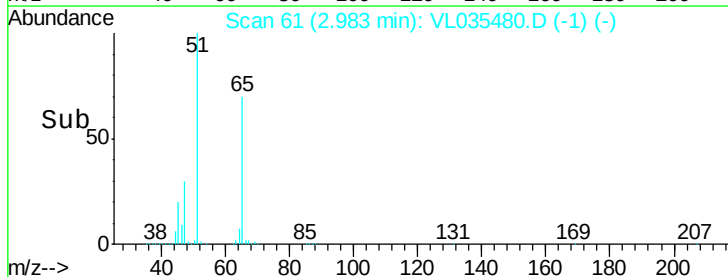
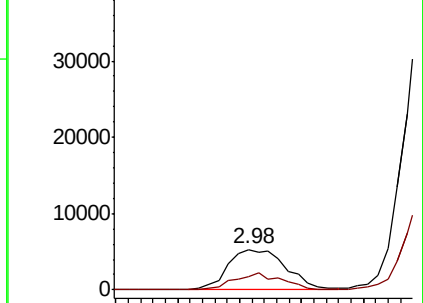
85 100

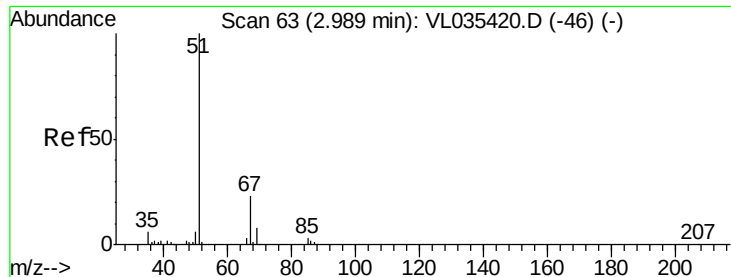
87 34.6 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 104.069 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.02 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

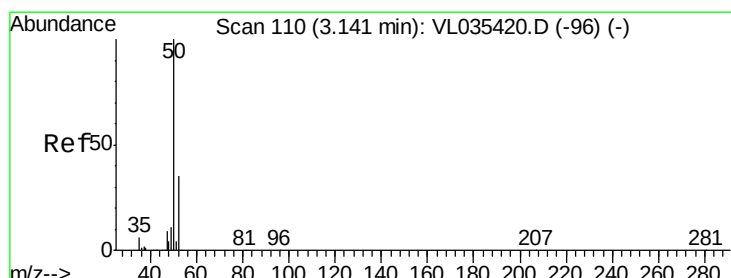
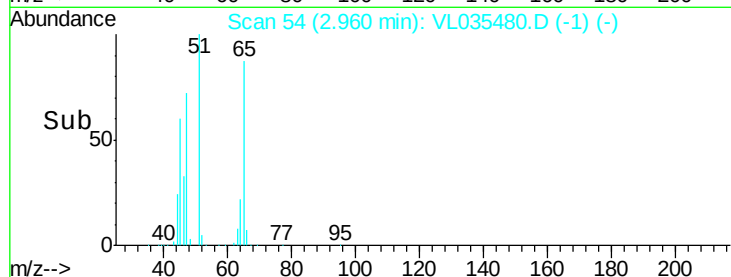
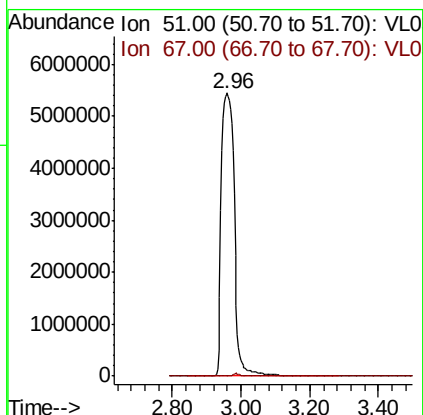
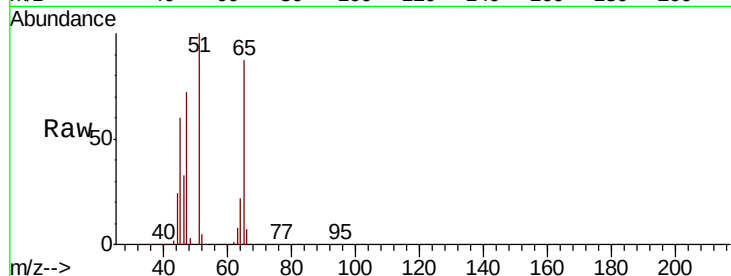
SSMP-4

Tot Ion: 51 Resp:14186902

Ion Ratio Lower Upper

51 100

67 0.5 15.0 22.6#



#4

Chloromethane

Concen: 0.389 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035480.D

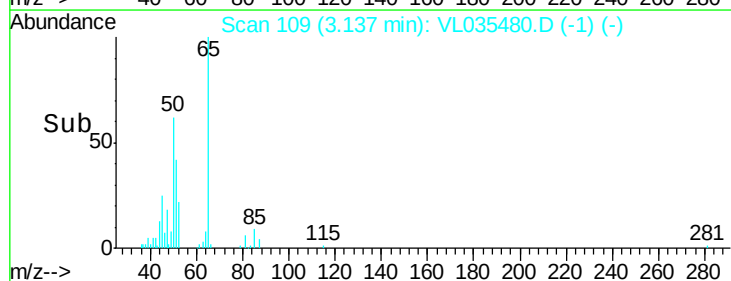
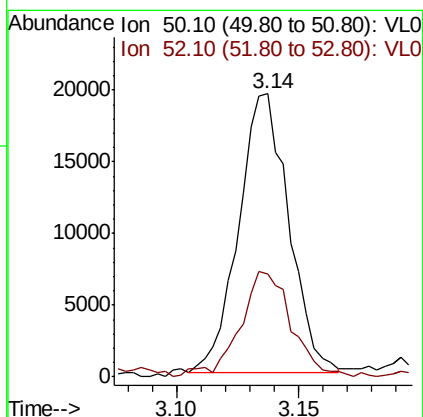
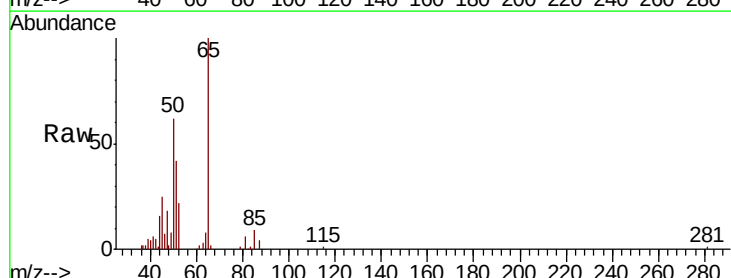
Acq: 20 Aug 2020 18:29

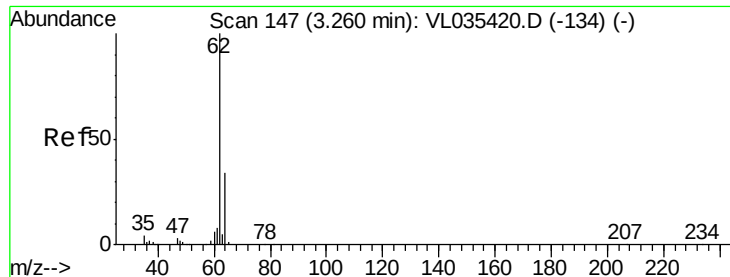
Tgt Ion: 50 Resp: 27606

Ion Ratio Lower Upper

50 100

52 35.1 25.9 38.9





#5

Vinyl Chloride

Concen: 0.062 ppbv

RT: 3.02 min Scan# 71

Delta R.T. -0.24 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

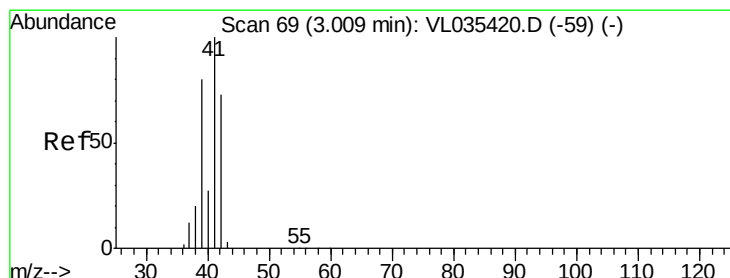
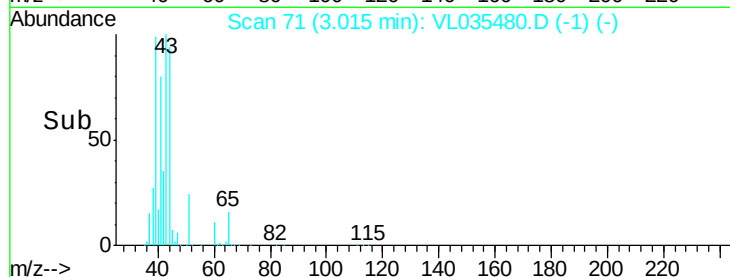
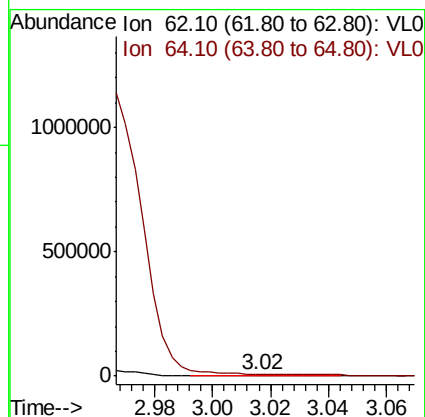
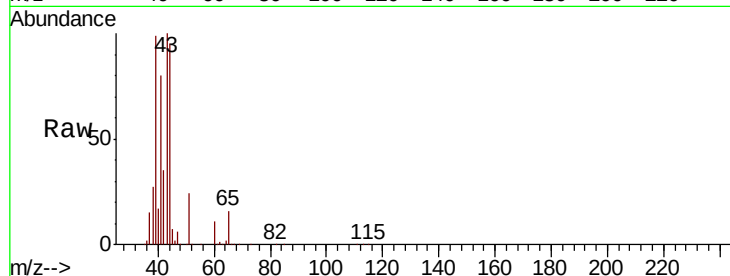
SSMP-4

Tot Ion: 62 Resp: 5262

Ion Ratio Lower Upper

62 100

64 94.6 25.0 37.4#



#9

Propene

Concen: 14.559 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL035480.D

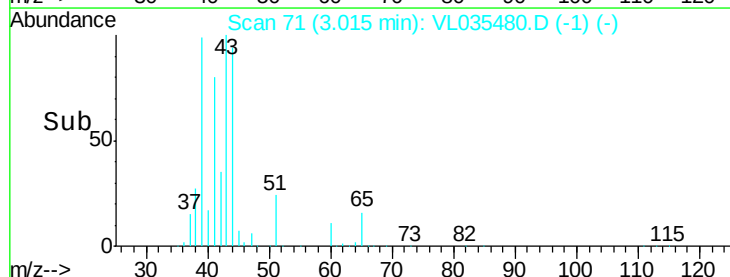
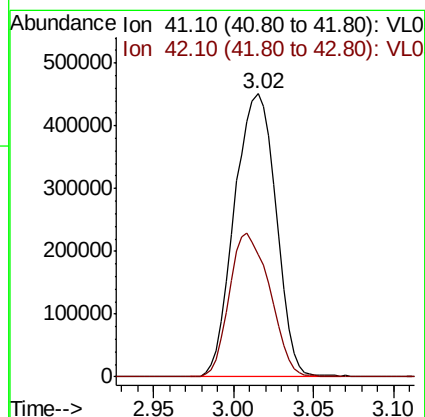
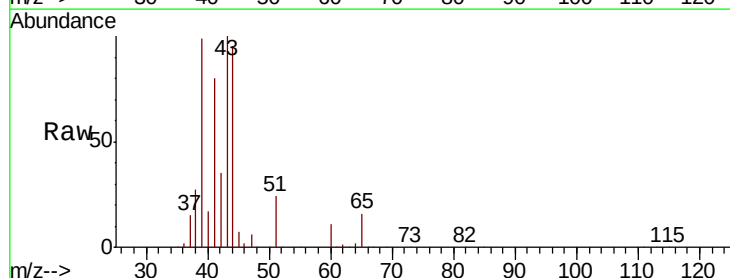
Acq: 20 Aug 2020 18:29

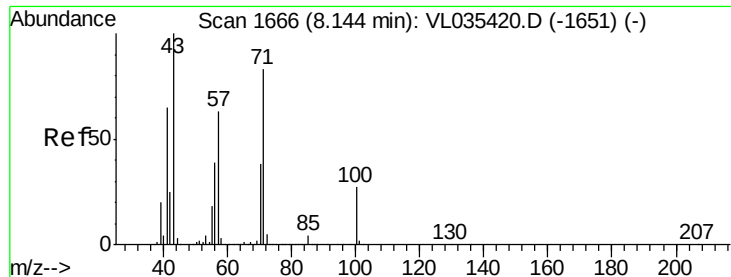
Tgt Ion: 41 Resp: 797751

Ion Ratio Lower Upper

41 100

42 49.8 55.5 83.3#

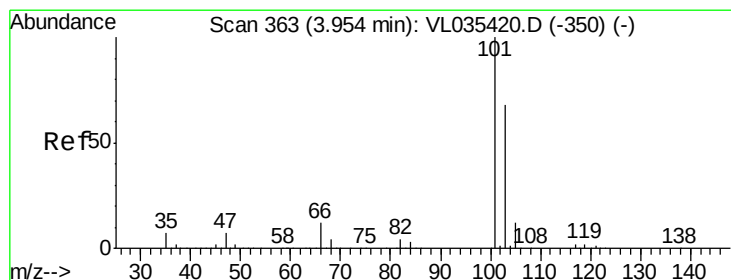
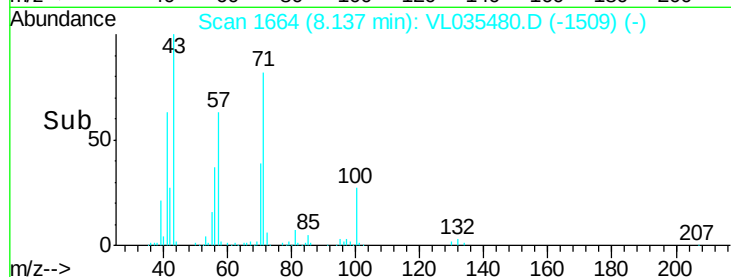
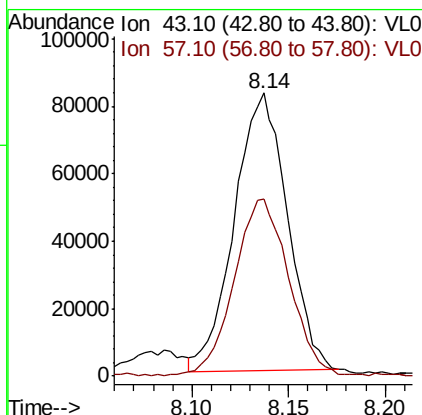
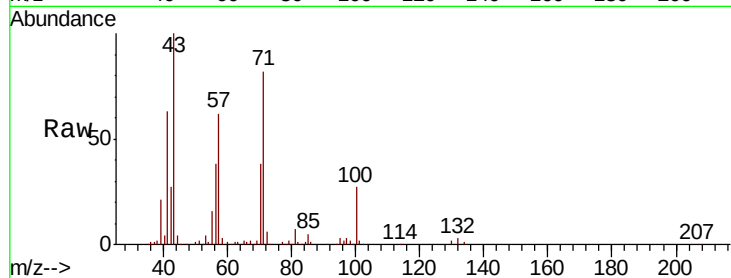




#10
 Heptane
 Concen: 1.086 ppbv
 RT: 8.14 min Scan# 1664
 Delta R.T. -0.00 min
 Lab File: VL035480.D
 Acq: 20 Aug 2020 18:29

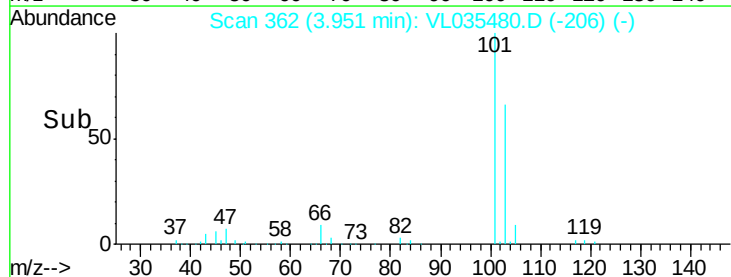
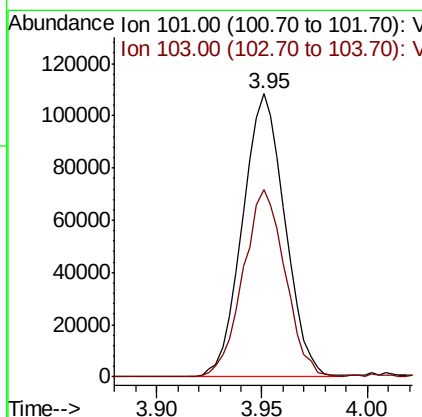
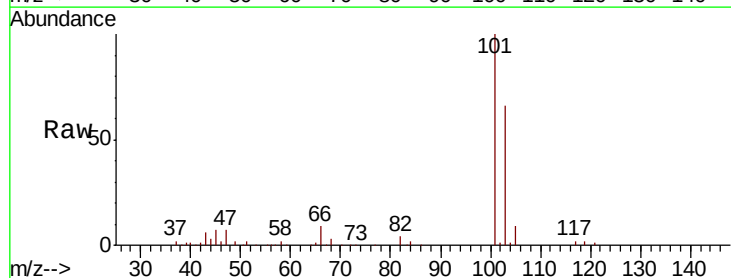
Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-4

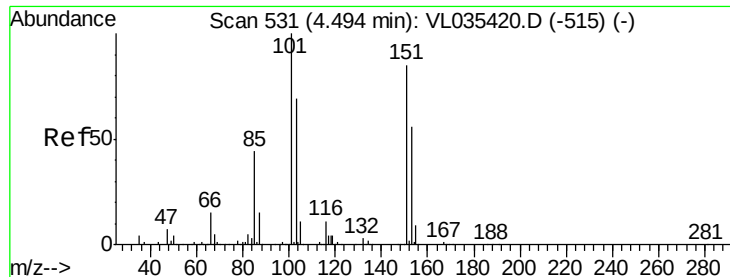
Tot Ion: 43 Resp: 156024
 Ion Ratio Lower Upper
 43 100
 57 67.2 39.8 59.6#



#11
 Trichlorofluoromethane
 Concen: 0.478 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.00 min
 Lab File: VL035480.D
 Acq: 20 Aug 2020 18:29

Tgt Ion: 101 Resp: 151217
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.6 78.8





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.075 ppbv

RT: 4.49 min Scan# 529

Delta R.T. 0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

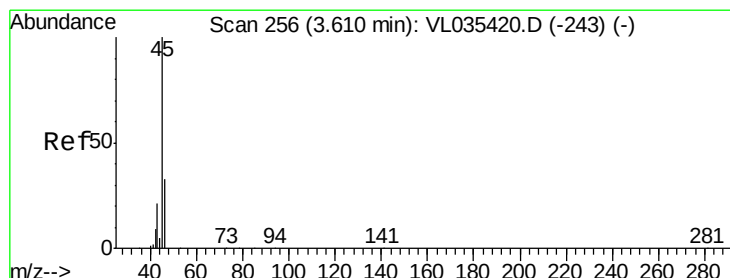
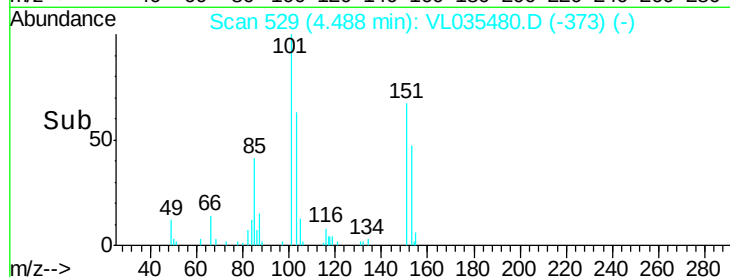
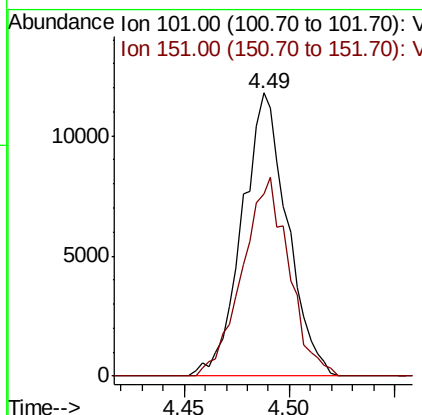
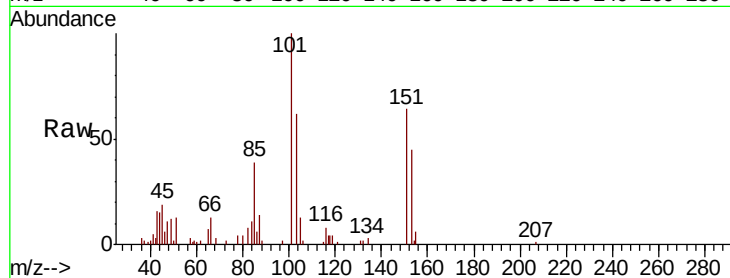
SSMP-4

Tot Ion:101 Resp: 17574

Ion Ratio Lower Upper

101 100

151 72.4 53.6 80.4



#13

Ethanol

Concen: 296.442 ppbv

RT: 3.62 min Scan# 260

Delta R.T. 0.02 min

Lab File: VL035480.D

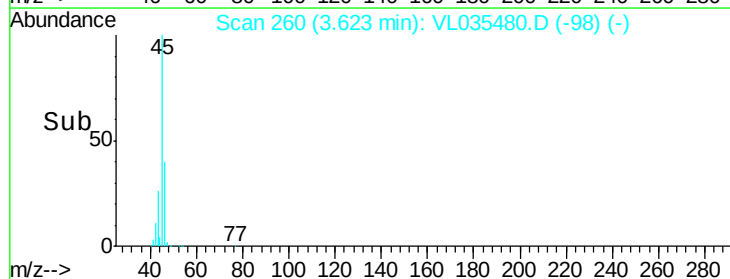
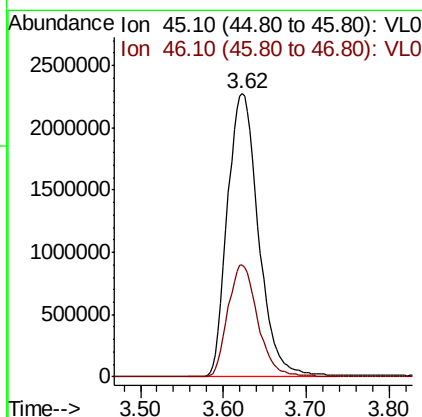
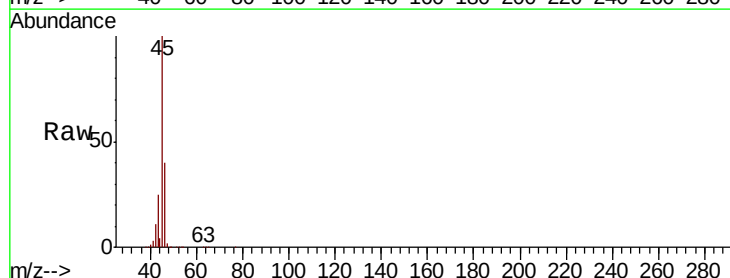
Acq: 20 Aug 2020 18:29

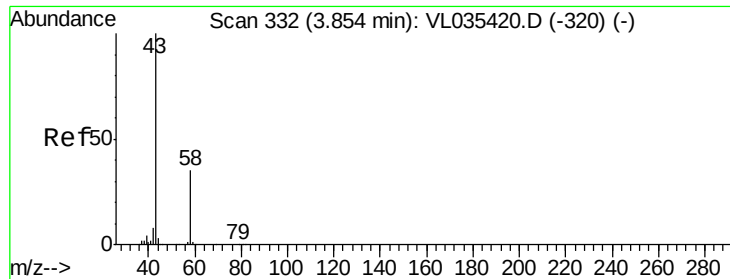
Tgt Ion: 45 Resp: 5951241

Ion Ratio Lower Upper

45 100

46 38.1 14.2 56.6





#15

Acetone

Concen: 34.134 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

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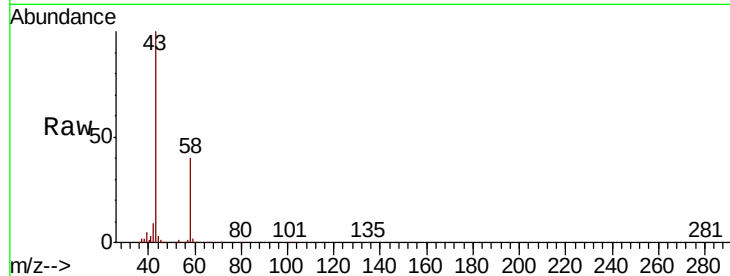
SSMP-4

Tot Ion: 43 Resp: 4271658

Ion Ratio Lower Upper

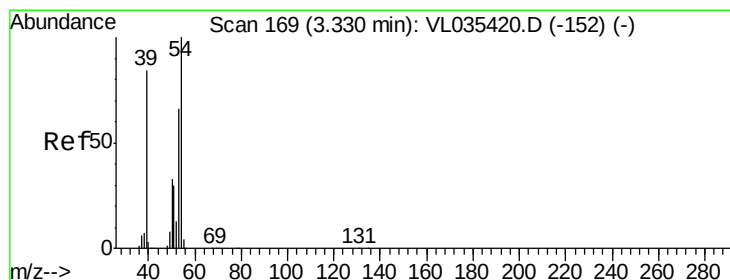
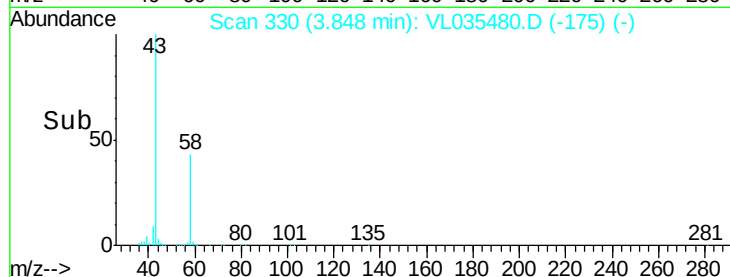
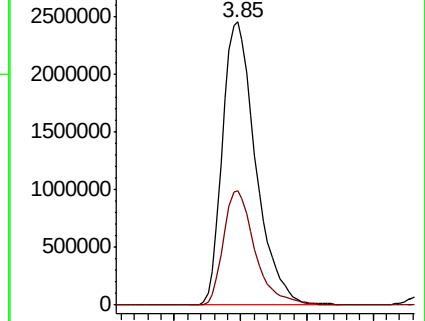
43 100

58 38.7 21.0 31.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 1.279 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.02 min

Lab File: VL035480.D

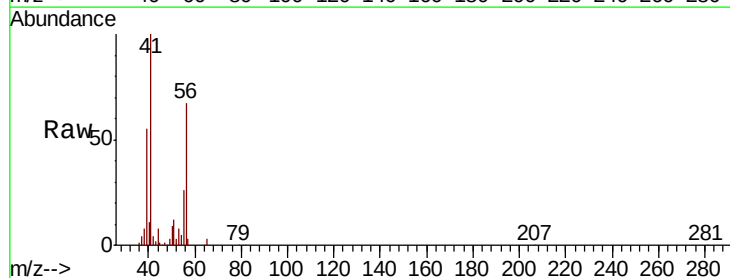
Acq: 20 Aug 2020 18:29

Tgt Ion: 39 Resp: 64927

Ion Ratio Lower Upper

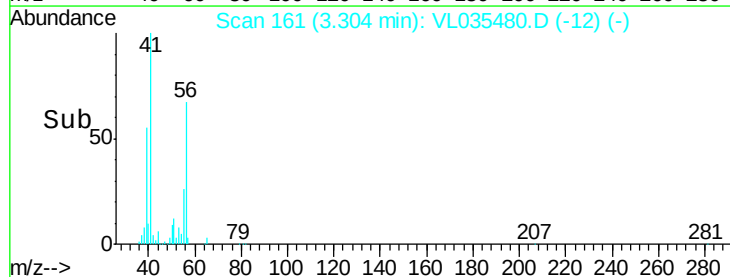
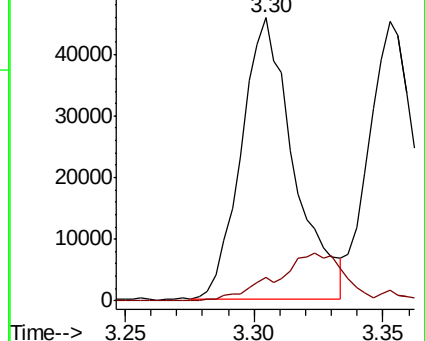
39 100

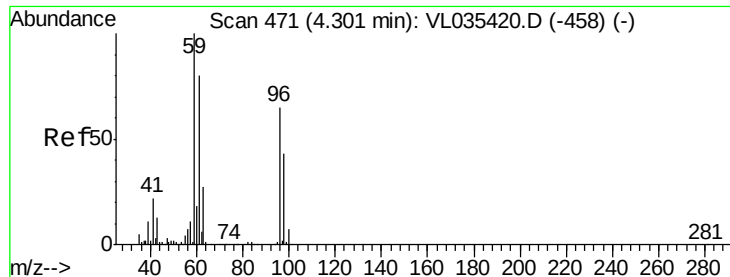
54 23.1 64.4 96.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 1.675 ppbv

RT: 4.32 min Scan# 477

Delta R.T. 0.03 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampled :

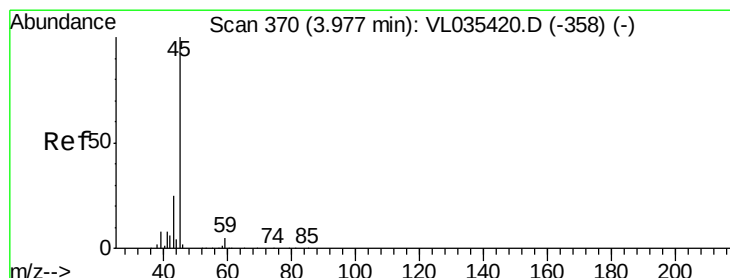
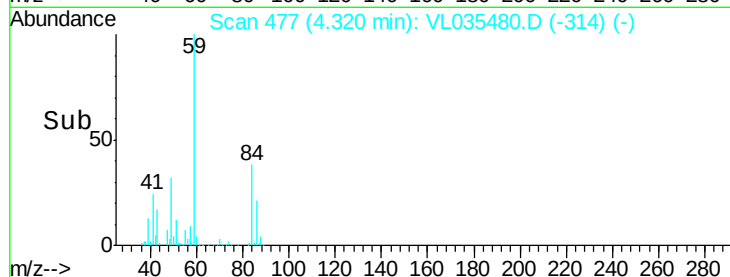
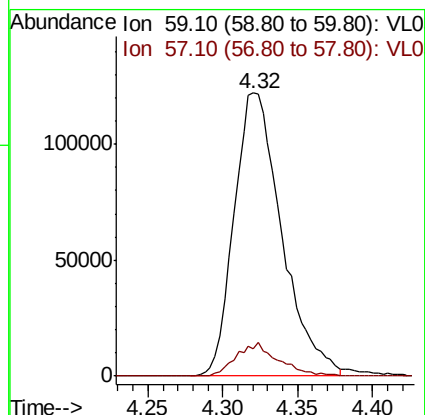
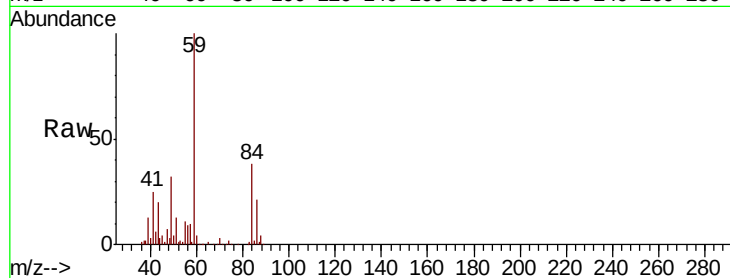
SSMP-4

Tot Ion: 59 Resp: 270861

Ion Ratio Lower Upper

59 100

57 10.8 8.9 13.3



#19

Isopropyl Alcohol

Concen: 9.713 ppbv

RT: 4.00 min Scan# 376

Delta R.T. 0.03 min

Lab File: VL035480.D

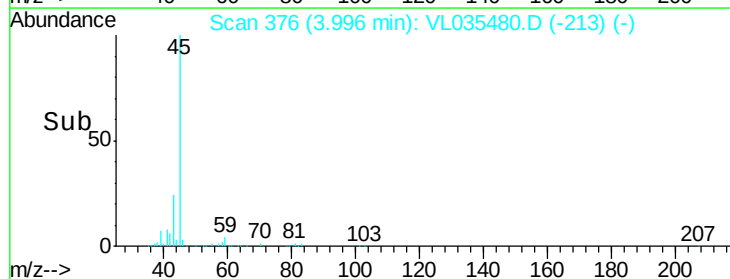
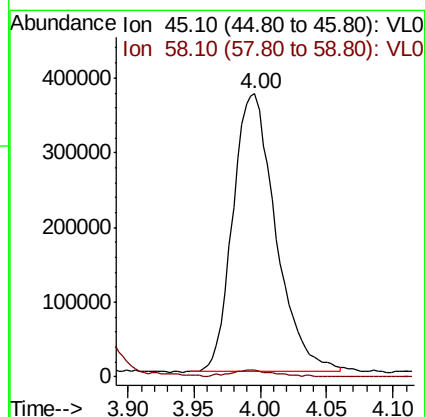
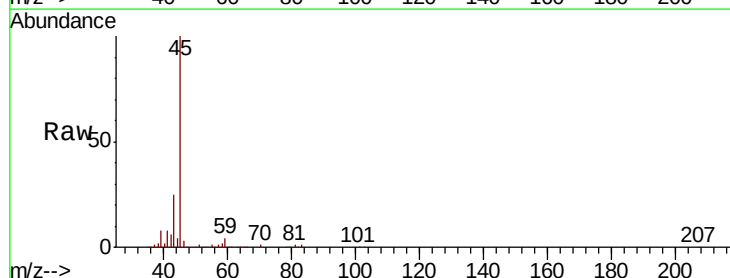
Acq: 20 Aug 2020 18:29

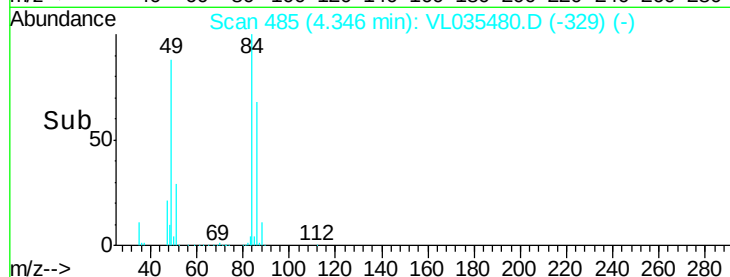
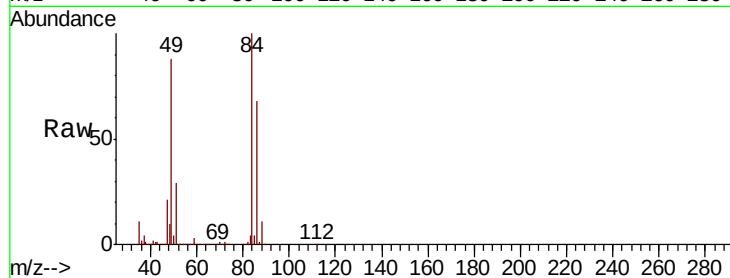
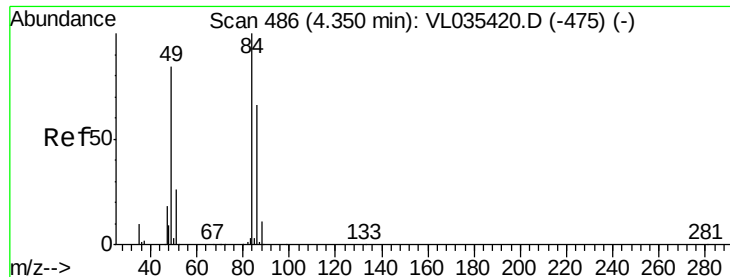
Tgt Ion: 45 Resp: 837810

Ion Ratio Lower Upper

45 100

58 197.4 1.0 1.6#

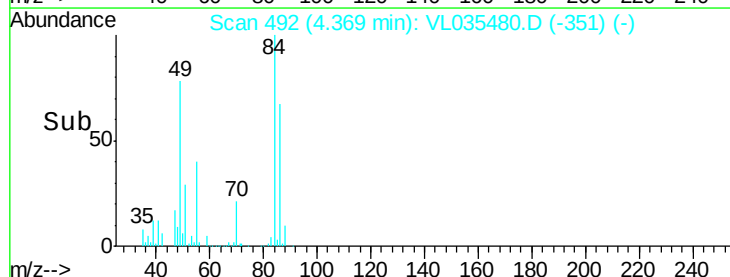
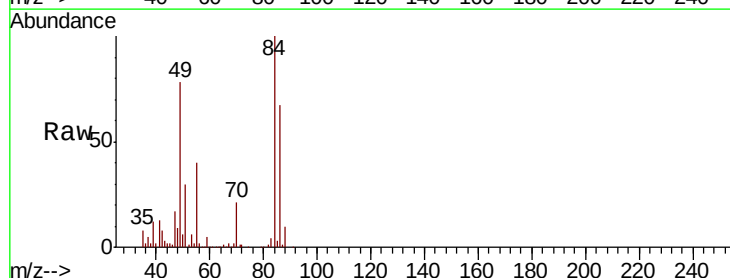
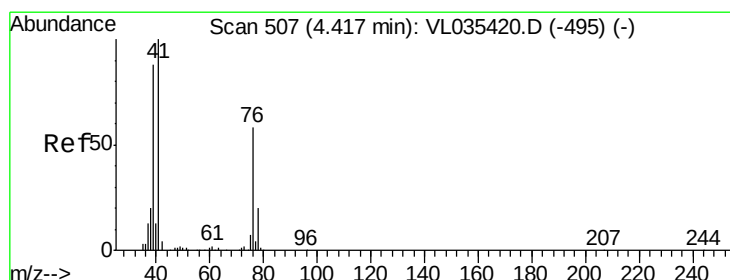
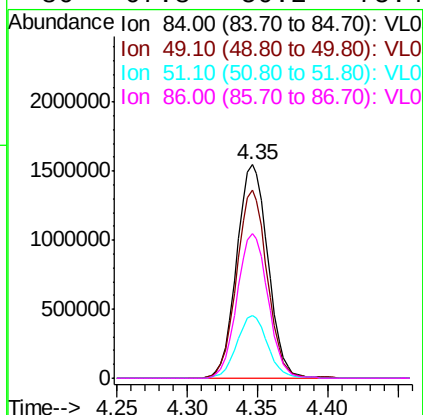




#20
Methylene Chloride
Concen: 23.883 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.00 min
Lab File: VL035480.D
Acq: 20 Aug 2020 18:29

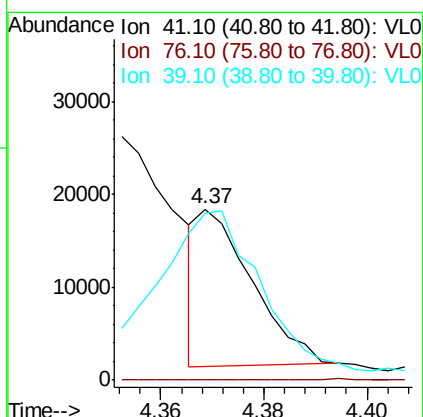
Instrument :
MSVOA_L
ClientSampleId :
SSMP-4

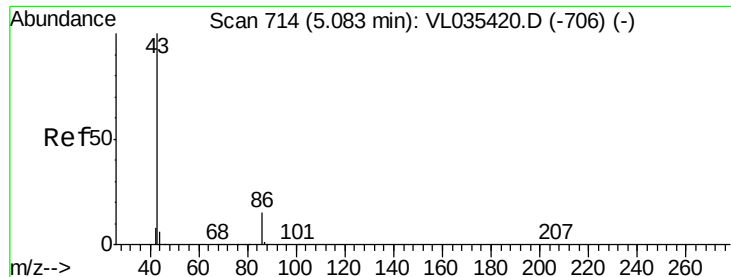
Tot Ion: 84 Resp: 2411514
Ion Ratio Lower Upper
84 100
49 87.9 118.6 177.8#
51 29.3 36.4 54.6#
86 67.8 50.2 75.4



#21
Allyl Chloride
Concen: 0.192 ppbv
RT: 4.37 min Scan# 492
Delta R.T. -0.05 min
Lab File: VL035480.D
Acq: 20 Aug 2020 18:29

Tgt Ion: 41 Resp: 12198
Ion Ratio Lower Upper
41 100
76 0.0 22.8 34.2#
39 241.3 66.2 99.2#





#23

Vinyl Acetate

Concen: 0.838 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.02 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4

Tot Ion: 43 Resp: 149961

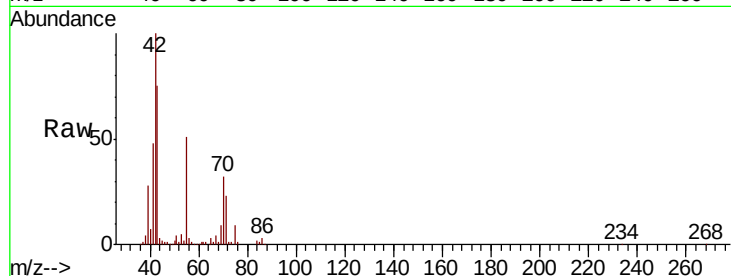
Ion Ratio Lower Upper

43 100

86 4.7 6.5 9.7#

42 134.0 8.3 12.5#

44 2.0 4.0 6.0#

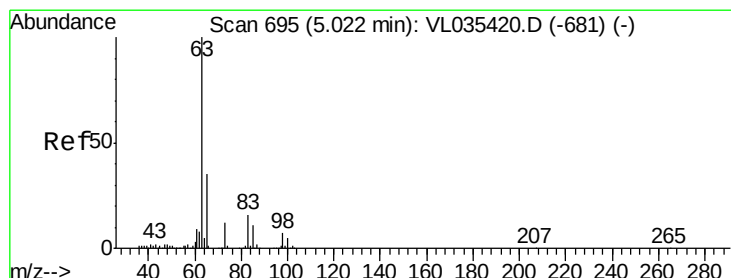
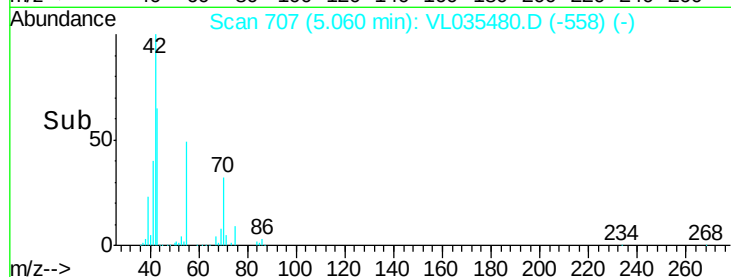
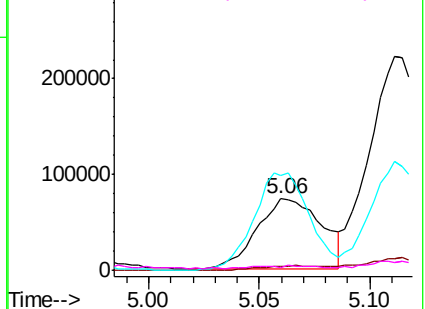


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#24

1,1-Dichloroethane

Concen: 0.035 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

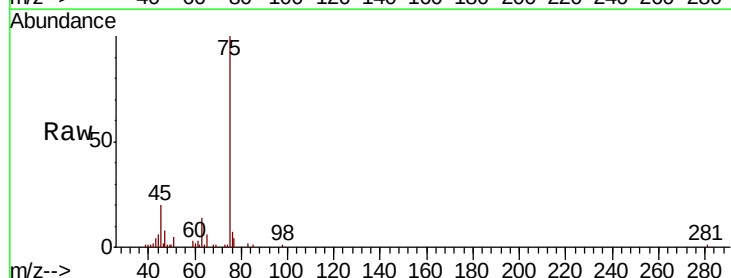
Tgt Ion: 63 Resp: 6195

Ion Ratio Lower Upper

63 100

98 7.0 2.1 6.5#

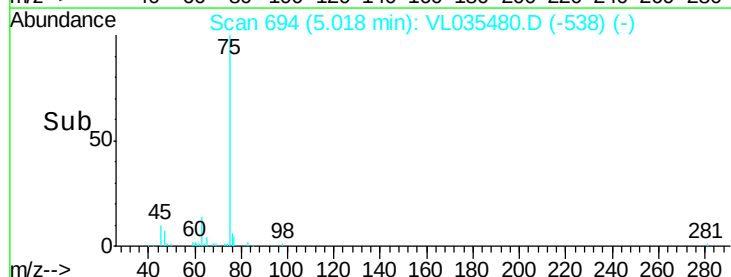
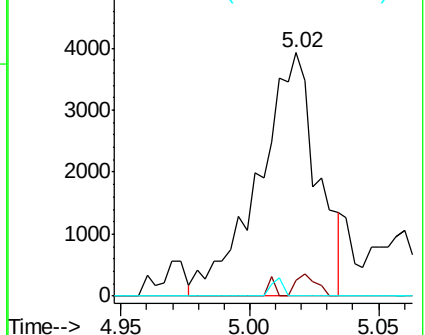
100 0.0 1.3 3.8#

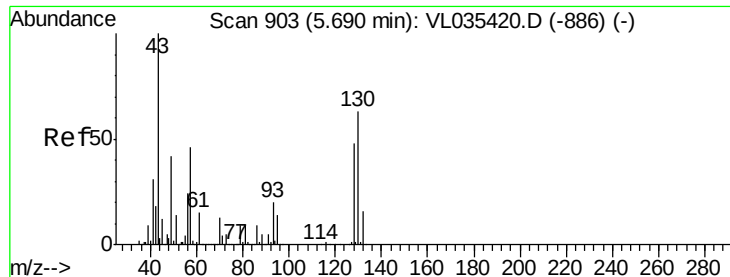


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 2.458 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :
MSVOA_L
ClientSampled :
SSMP-4

Tot Ion: 43 Resp: 598480

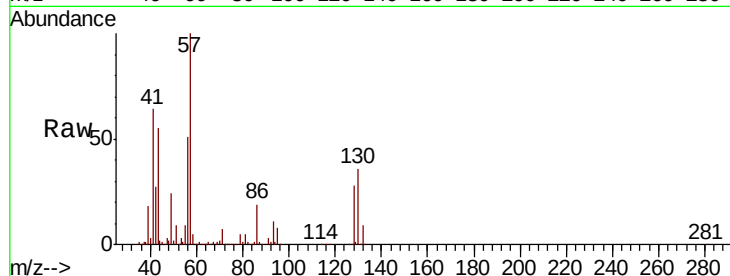
Ion Ratio Lower Upper

43 100

45 1.3 8.3 12.5#

61 1.3 7.6 11.4#

70 3.0 6.0 9.0#

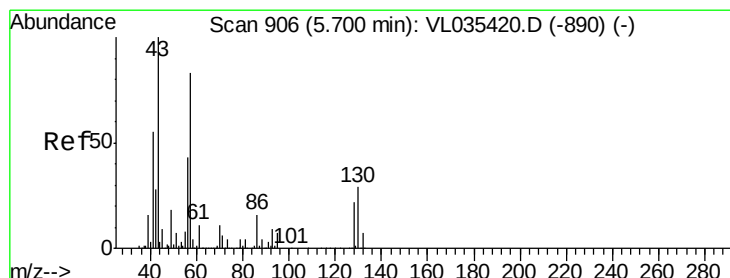
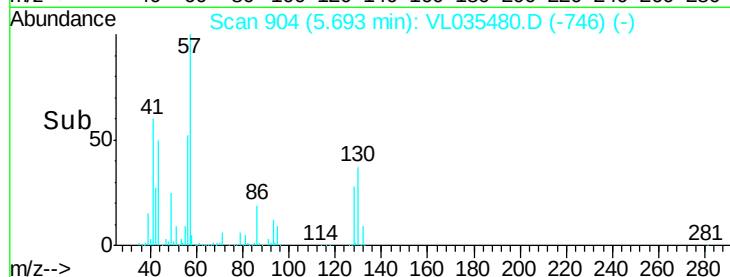
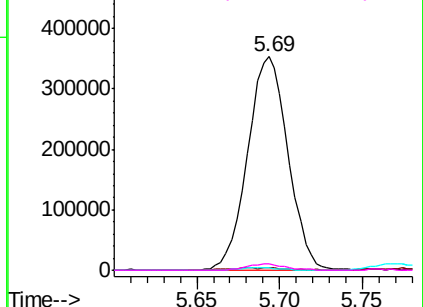


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 7.909 ppbv

RT: 5.69 min Scan# 904

Delta R.T. -0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Tgt Ion: 57 Resp: 1086937

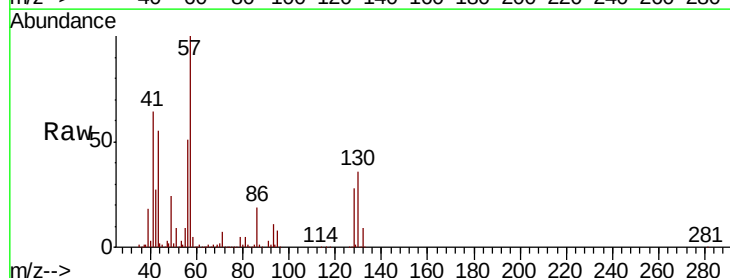
Ion Ratio Lower Upper

57 100

41 65.2 75.5 113.3#

43 55.2 181.7 272.5#

56 52.1 42.4 63.6

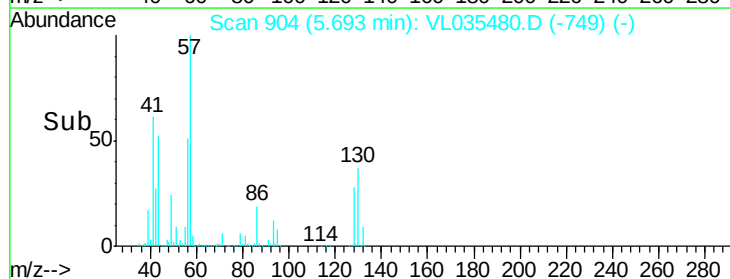
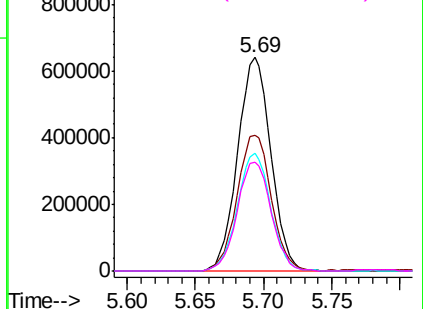


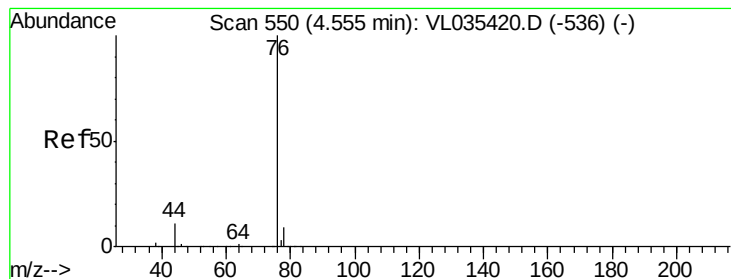
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.777 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4

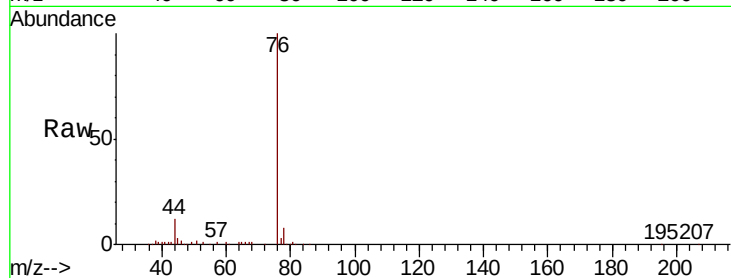
Tot Ion: 76 Resp: 154438

Ion Ratio Lower Upper

76 100

44 16.4 16.8 25.2#

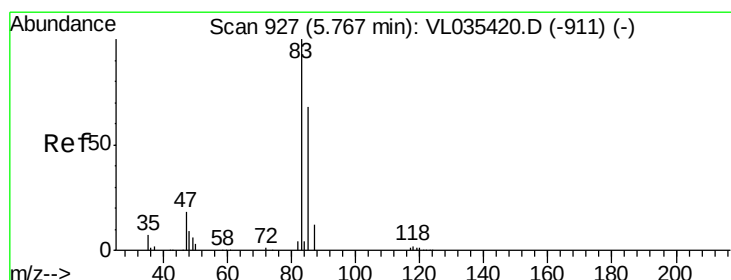
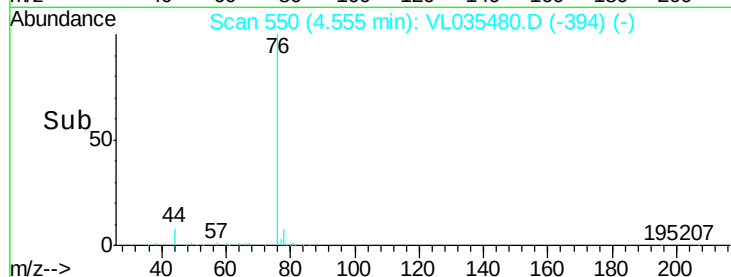
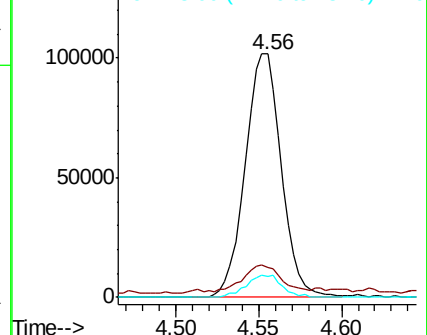
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#29

Chloroform

Concen: 1.102 ppbv

RT: 5.76 min Scan# 925

Delta R.T. -0.00 min

Lab File: VL035480.D

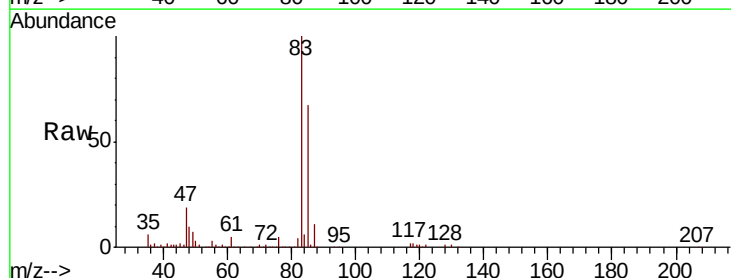
Acq: 20 Aug 2020 18:29

Tgt Ion: 83 Resp: 304143

Ion Ratio Lower Upper

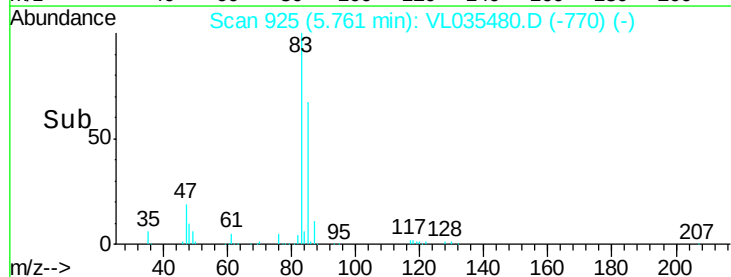
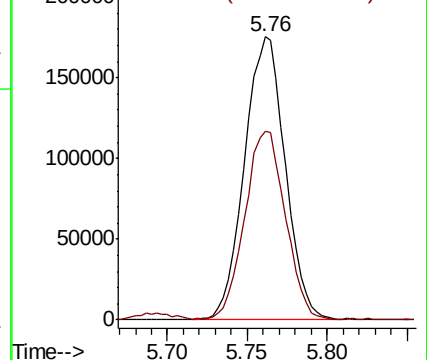
83 100

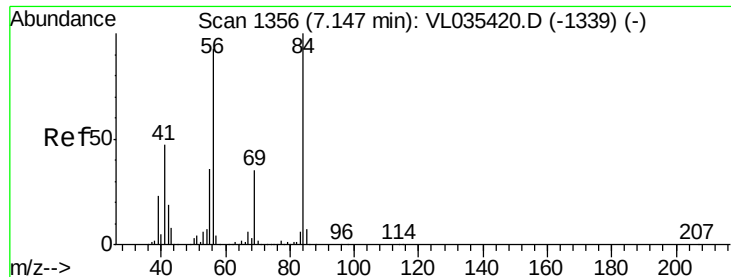
85 66.6 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

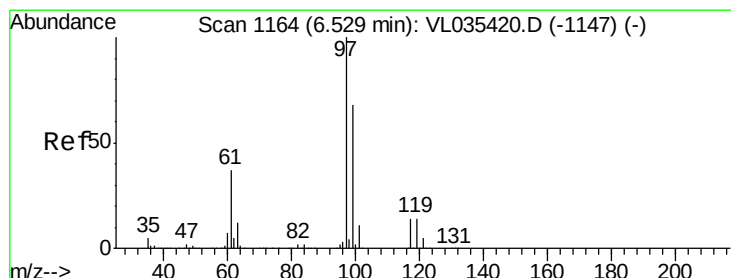
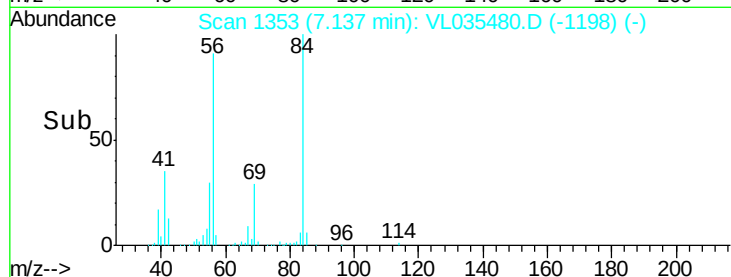
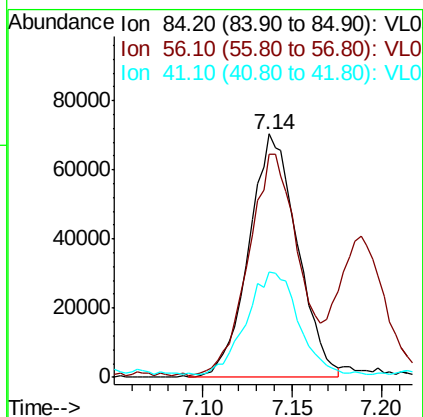
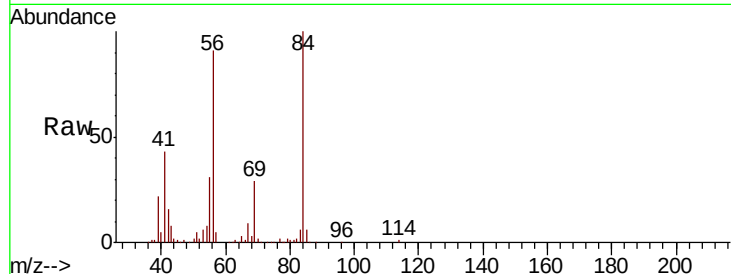




#30
Cyclohexane
Concen: 0.869 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL035480.D
Acq: 20 Aug 2020 18:29

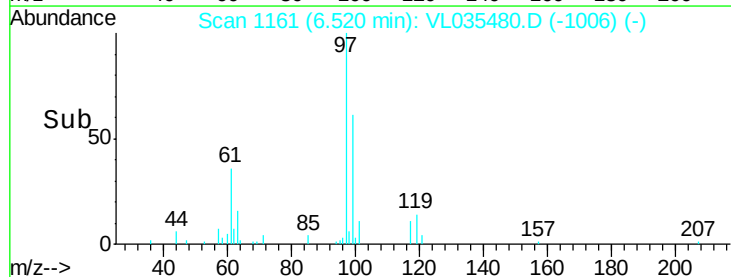
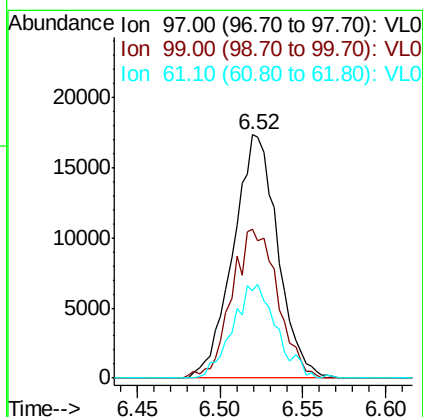
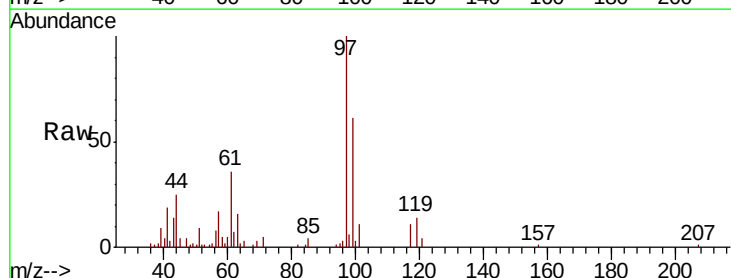
Instrument :
MSVOA_L
ClientSampleId :
SSMP-4

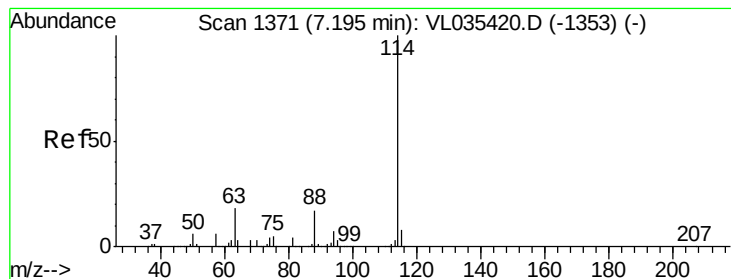
Tot Ion: 84 Resp: 132477
Ion Ratio Lower Upper
84 100
56 92.7 114.9 172.3#
41 46.9 72.3 108.5#



#32
1,1,1-Trichloroethane
Concen: 0.125 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. -0.00 min
Lab File: VL035480.D
Acq: 20 Aug 2020 18:29

Tgt Ion: 97 Resp: 32386
Ion Ratio Lower Upper
97 100
99 63.0 51.4 77.0
61 38.0 41.0 61.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4

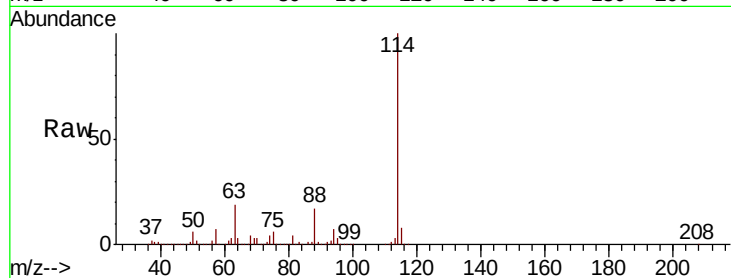
Tot Ion:114 Resp: 5117690

Ion Ratio Lower Upper

114 100

63 17.5 23.1 34.7#

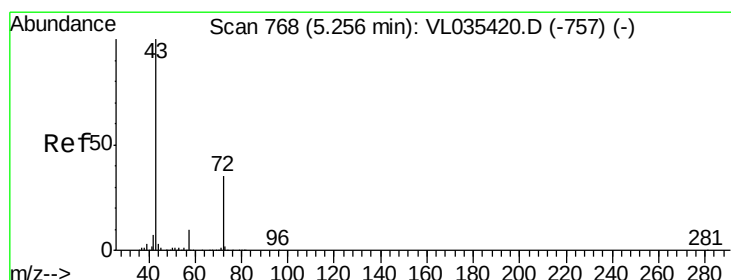
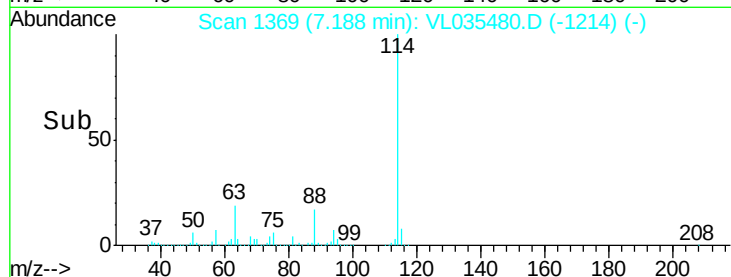
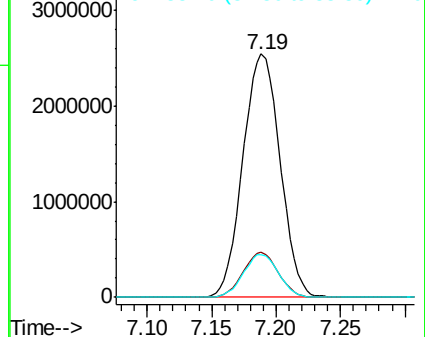
88 16.7 15.9 23.9



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 5.101 ppbv

RT: 5.26 min Scan# 768

Delta R.T. 0.01 min

Lab File: VL035480.D

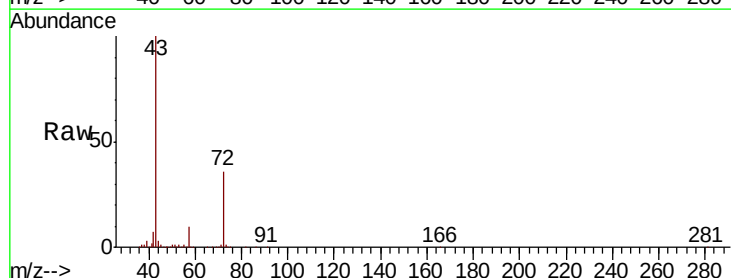
Acq: 20 Aug 2020 18:29

Tgt Ion: 43 Resp: 872162

Ion Ratio Lower Upper

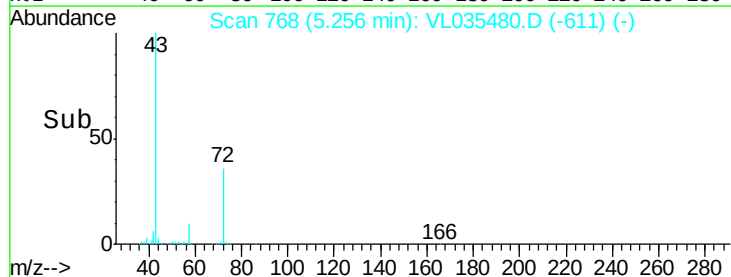
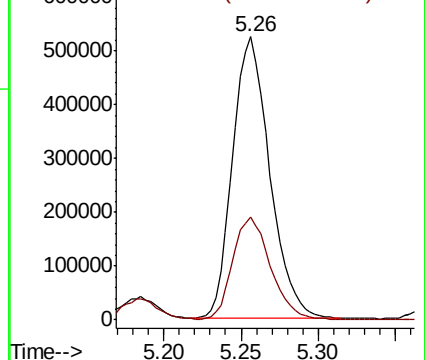
43 100

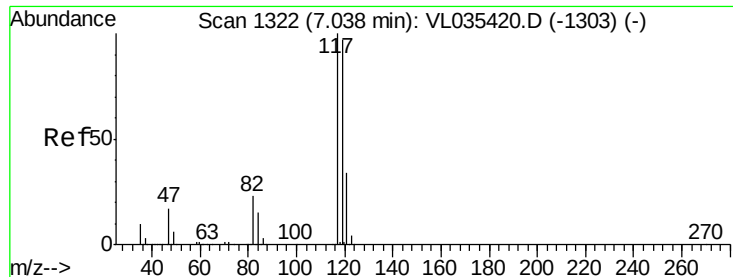
72 37.0 17.6 26.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.113 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. -0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4

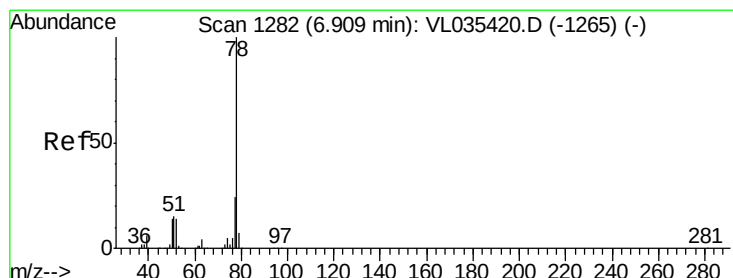
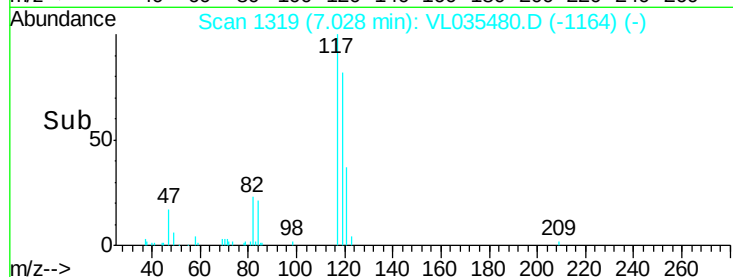
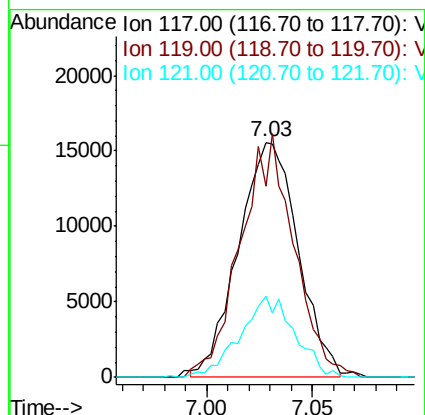
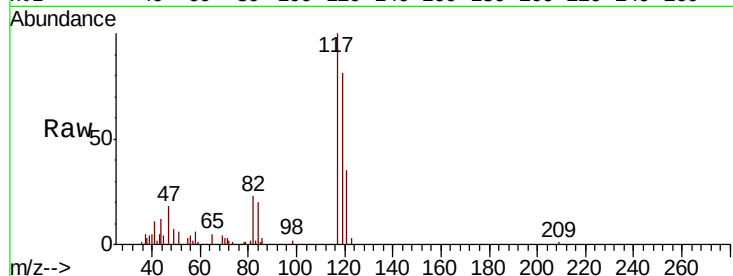
Tot Ion:117 Resp: 30634

Ion Ratio Lower Upper

117 100

119 79.5 76.1 114.1

121 34.3 25.5 38.3



#36

Benzene

Concen: 1.303 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

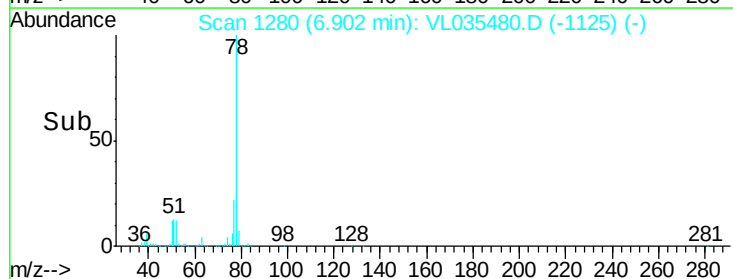
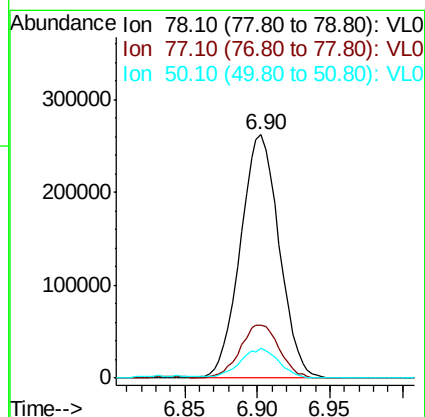
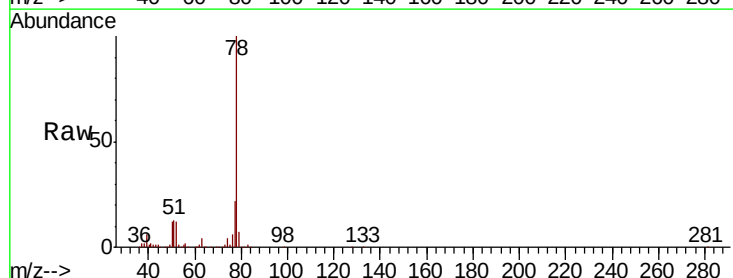
Tgt Ion: 78 Resp: 489262

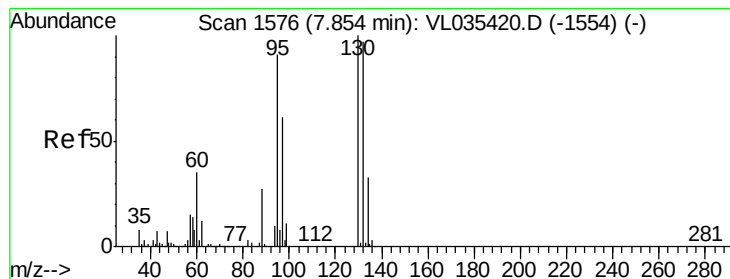
Ion Ratio Lower Upper

78 100

77 21.8 19.6 29.4

50 12.1 16.3 24.5#





#38

Trichloroethene

Concen: 53.344 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4

Tot Ion:130 Resp:11145532

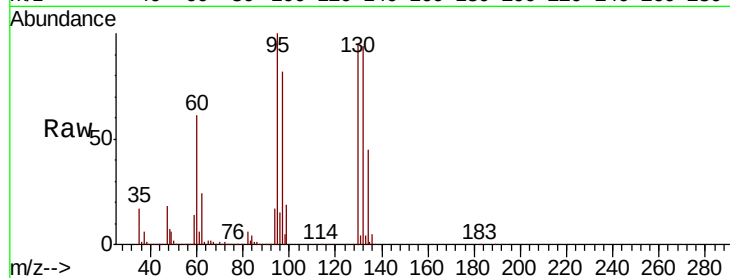
Ion Ratio Lower Upper

130 100

95 105.3 95.8 143.8

132 98.6 74.3 111.5

97 86.5 62.6 94.0

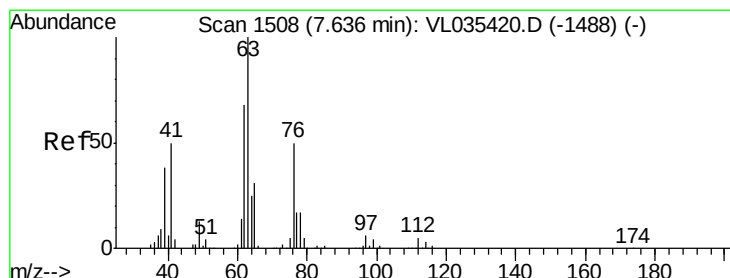
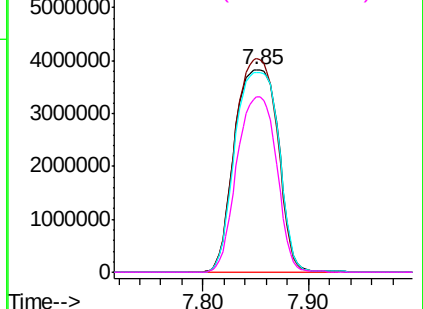
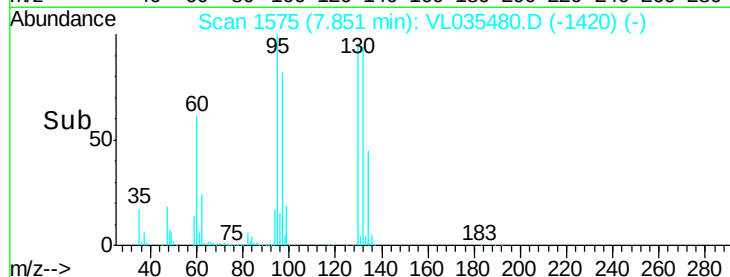


Abundance Ion 130.00 (129.70 to 130.70): V

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: 0.409 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.22 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

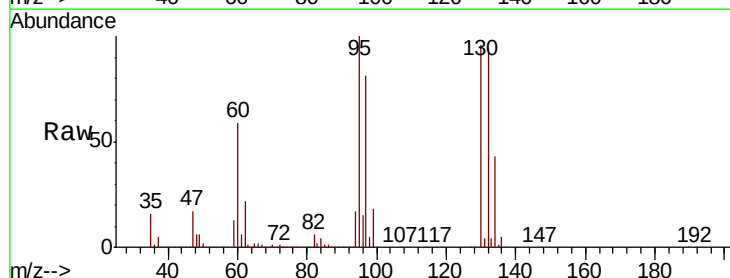
Tgt Ion: 63 Resp: 50615

Ion Ratio Lower Upper

63 100

41 0.0 61.1 91.7#

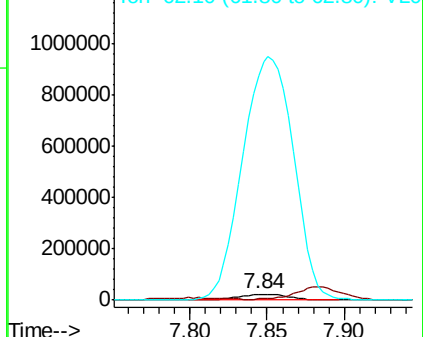
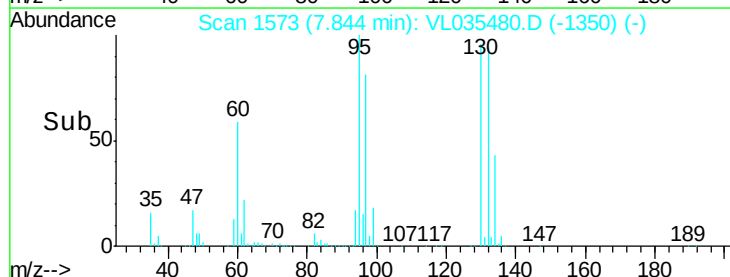
62 3851.4 55.3 82.9#

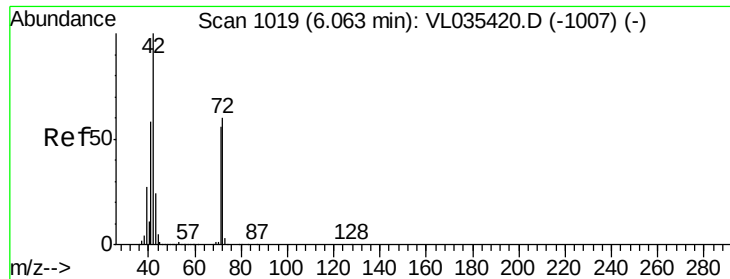


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

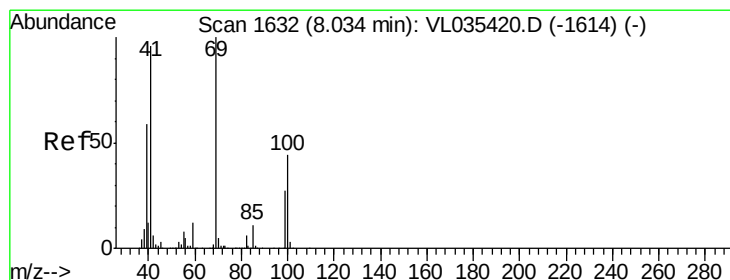
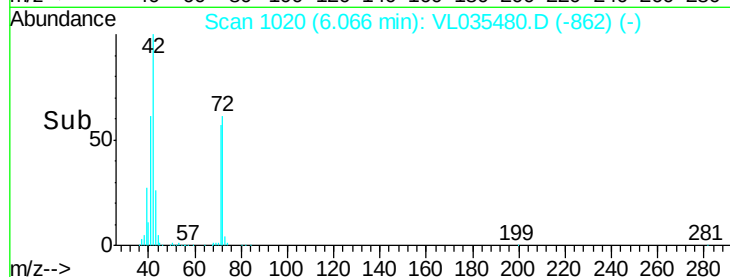
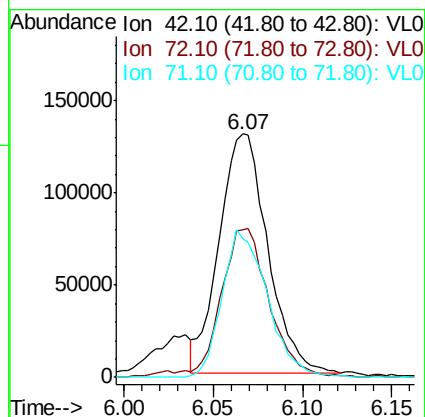
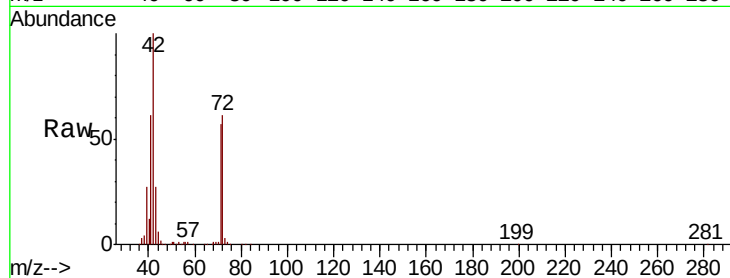




#41
Tetrahydrofuran
Concen: 2.599 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VL035480.D
Acq: 20 Aug 2020 18:29

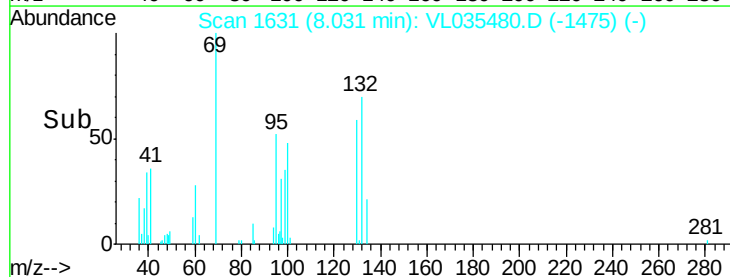
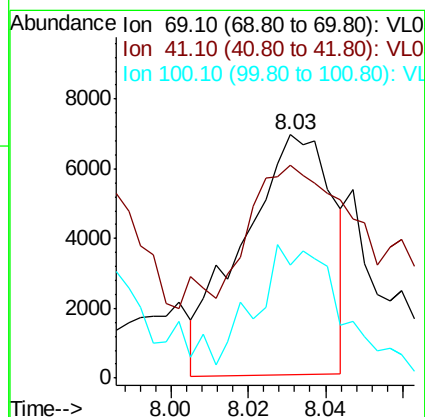
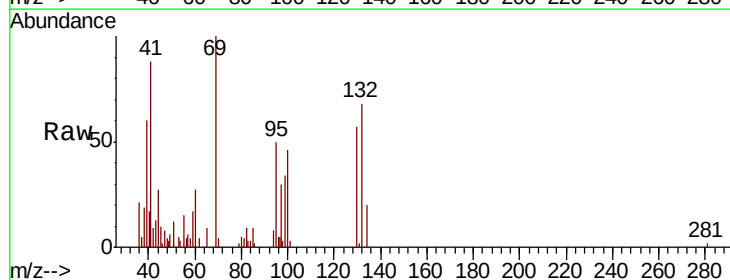
Instrument :
MSVOA_L
ClientSampleId :
SSMP-4

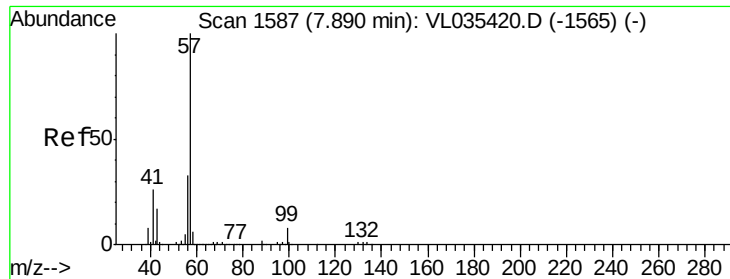
Tot Ion: 42 Resp: 245133
Ion Ratio Lower Upper
42 100
72 63.3 29.4 44.2#
71 58.2 28.9 43.3#



#43
Methyl Methacrylate
Concen: 0.076 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VL035480.D
Acq: 20 Aug 2020 18:29

Tgt Ion: 69 Resp: 11102
Ion Ratio Lower Upper
69 100
41 123.0 123.4 185.0#
100 61.5 24.2 36.4#

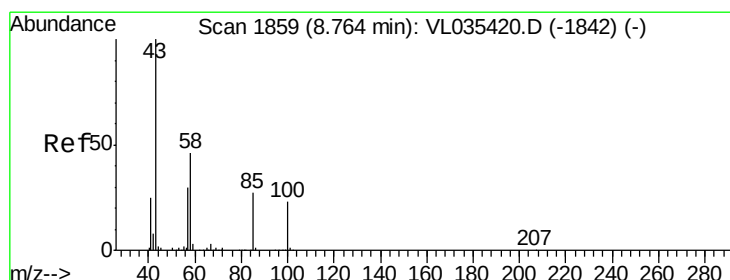
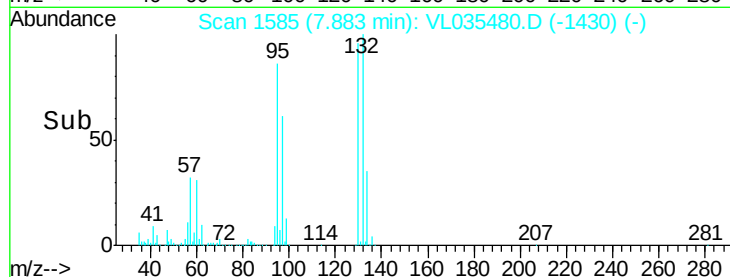
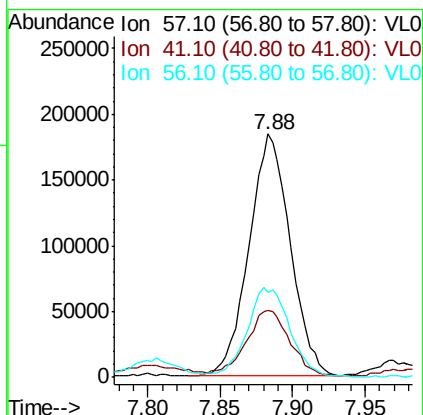
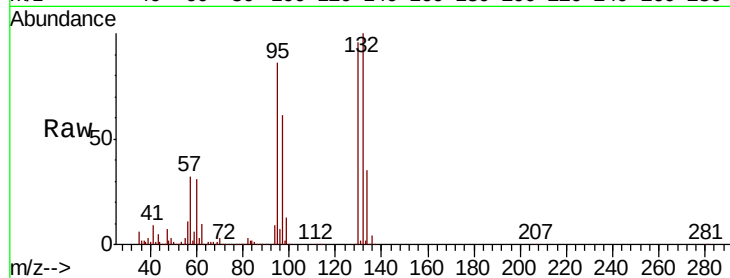




#44
 2,2,4-Trimethylpentane
 Concen: 0.742 ppbv
 RT: 7.88 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VL035480.D
 Acq: 20 Aug 2020 18:29

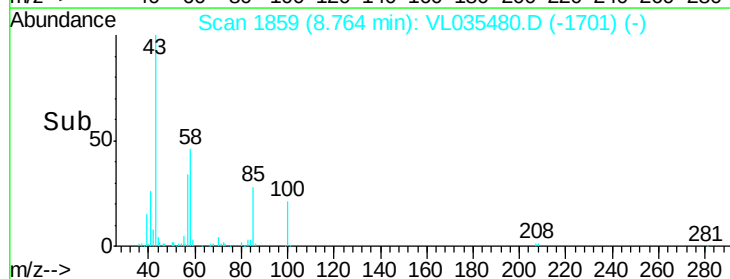
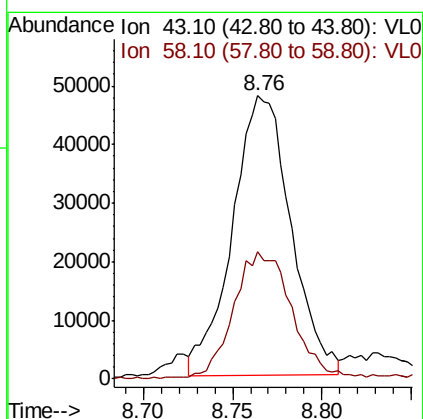
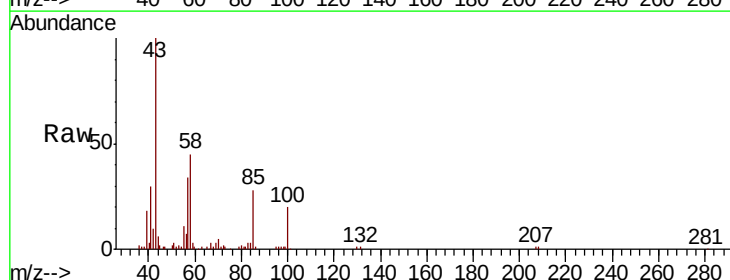
Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-4

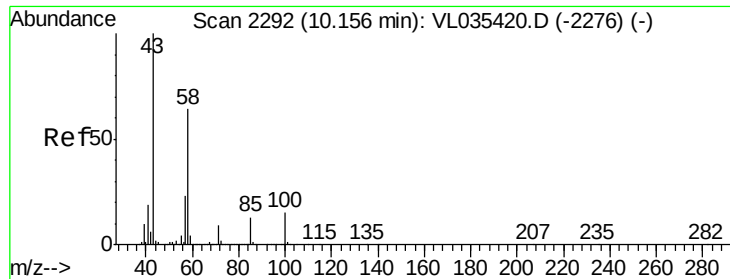
Tot Ion: 57 Resp: 364053
 Ion Ratio Lower Upper
 57 100
 41 30.1 27.2 40.8
 56 37.8 25.4 38.0



#50
 4-Methyl-2-Pentanone
 Concen: 0.442 ppbv
 RT: 8.76 min Scan# 1859
 Delta R.T. 0.01 min
 Lab File: VL035480.D
 Acq: 20 Aug 2020 18:29

Tgt Ion: 43 Resp: 108519
 Ion Ratio Lower Upper
 43 100
 58 46.2 28.7 43.1#

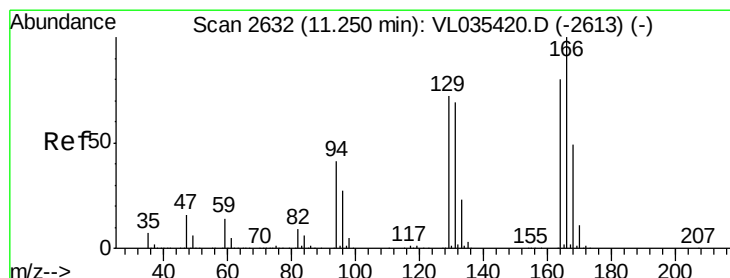
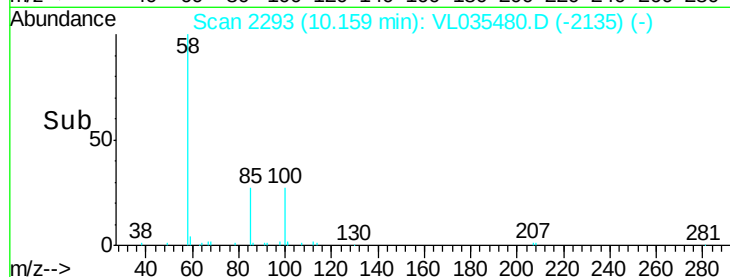
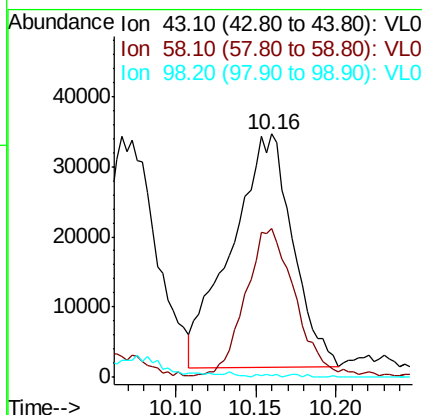
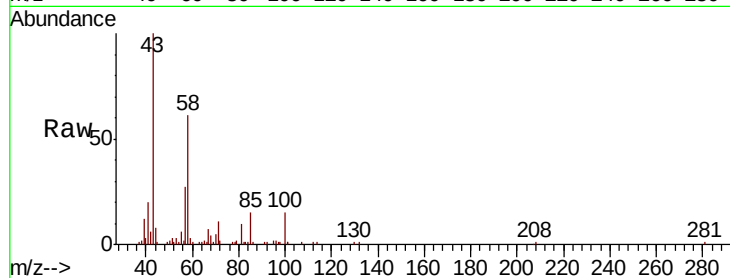




#51
2-Hexanone
Concen: 0.423 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VL035480.D
Acq: 20 Aug 2020 18:29

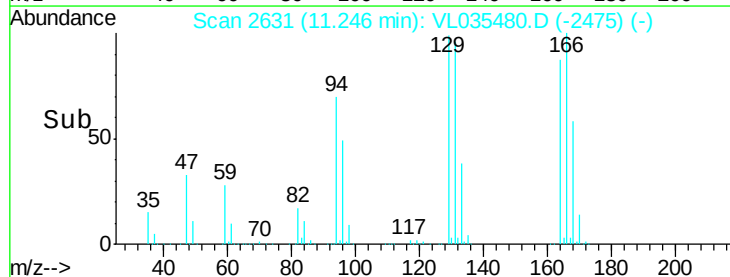
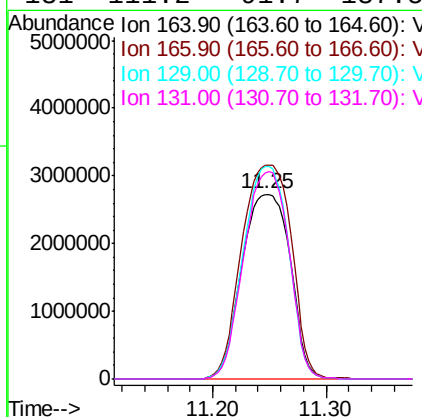
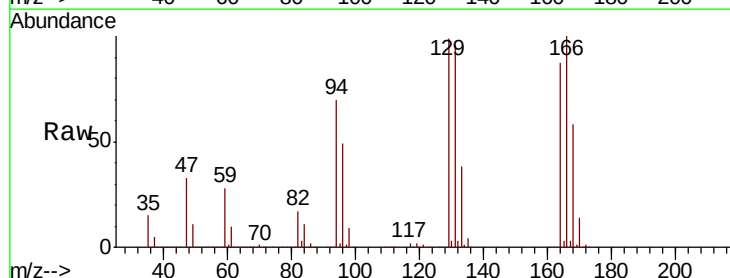
Instrument :
MSVOA_L
ClientSampleId :
SSMP-4

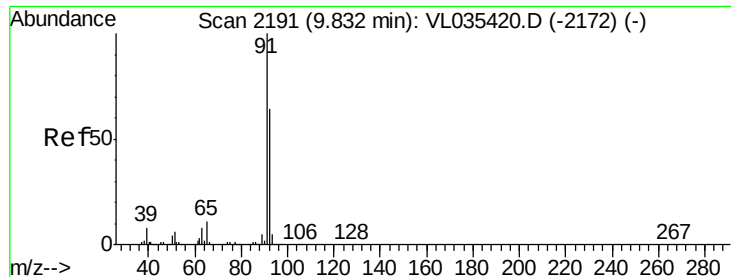
Tot Ion: 43 Resp: 87459
Ion Ratio Lower Upper
43 100
58 53.3 38.6 58.0
98 0.0 0.2 0.2#



#52
Tetrachloroethene
Concen: 35.513 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VL035480.D
Acq: 20 Aug 2020 18:29

Tgt Ion: 164 Resp: 8136524
Ion Ratio Lower Upper
164 100
166 115.3 103.4 155.0
129 114.7 90.2 135.4
131 111.2 91.7 137.5





#53

Toluene

Concen: 7.303 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

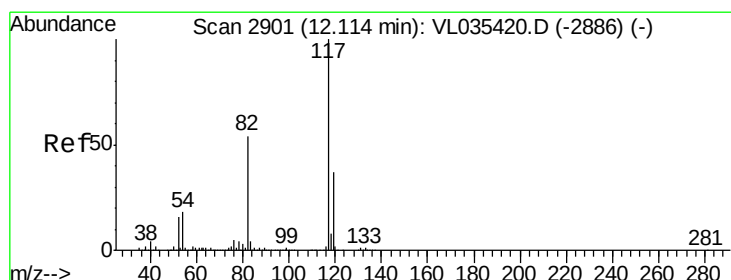
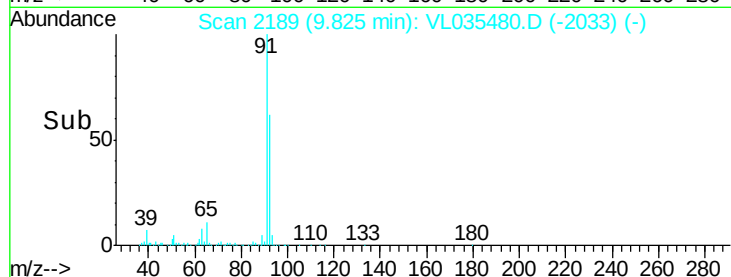
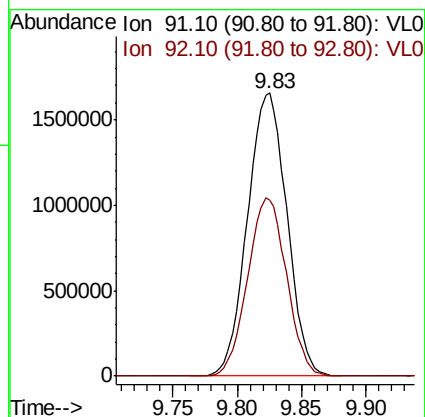
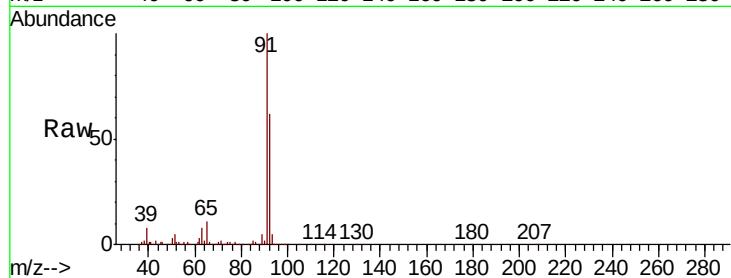
SSMP-4

Tot Ion: 91 Resp: 3533007

Ion Ratio Lower Upper

91 100

92 62.3 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: VL035480.D

Acq: 20 Aug 2020 18:29

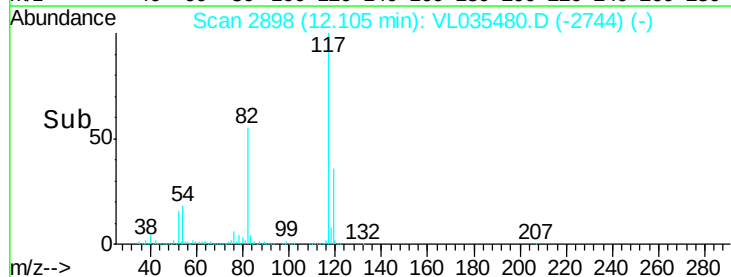
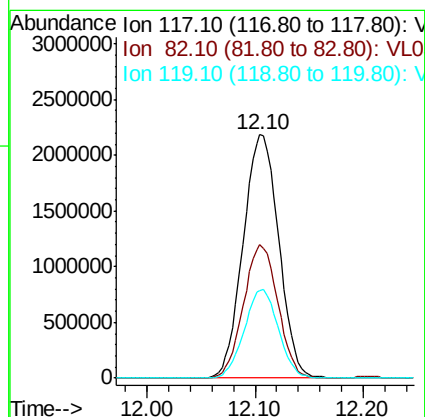
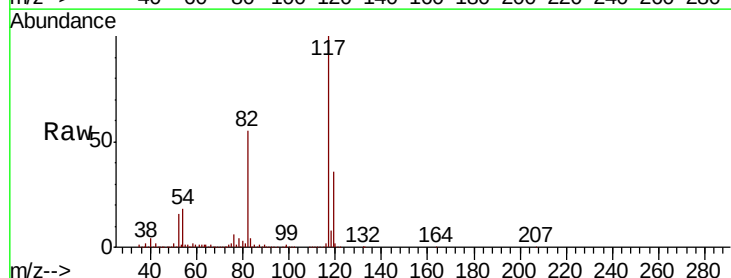
Tgt Ion: 117 Resp: 5006532

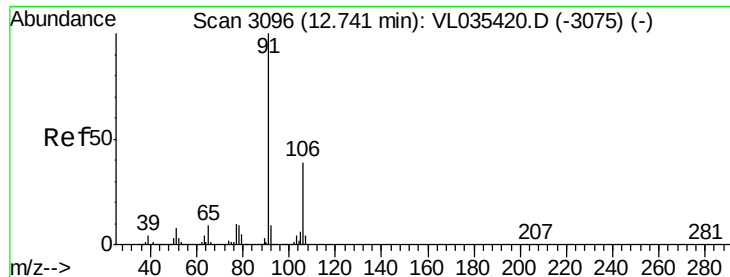
Ion Ratio Lower Upper

117 100

82 52.9 57.4 86.0#

119 35.0 28.4 42.6





#58

Ethyl Benzene

Concen: 1.475 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. -0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

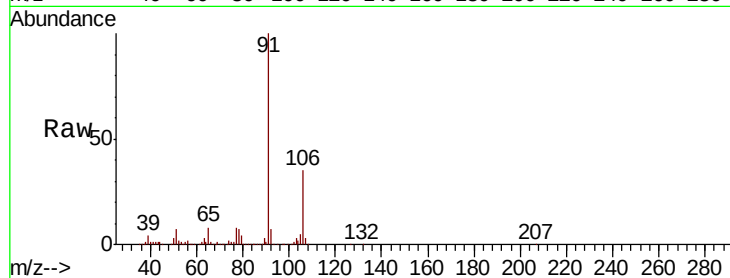
SSMP-4

Tot Ion: 91 Resp: 891689

Ion Ratio Lower Upper

91 100

106 34.8 24.1 36.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.73

400000

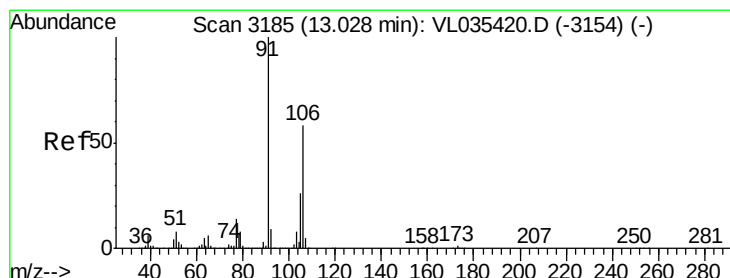
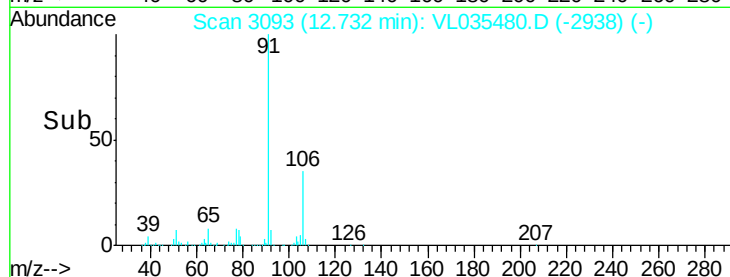
300000

200000

100000

0

Time-->



#59

m/p-Xylene

Concen: 5.255 ppbv

RT: 12.99 min Scan# 3172

Delta R.T. -0.04 min

Lab File: VL035480.D

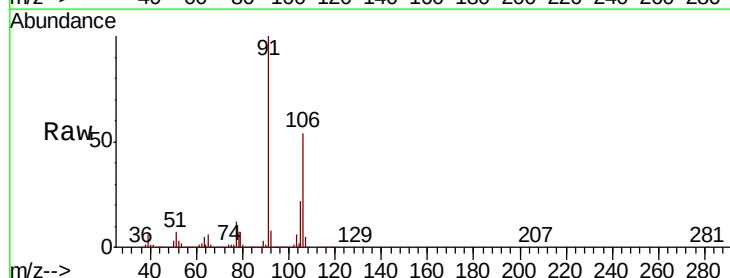
Acq: 20 Aug 2020 18:29

Tgt Ion: 91 Resp: 2684614

Ion Ratio Lower Upper

91 100

106 53.5 34.0 51.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.99

1000000

800000

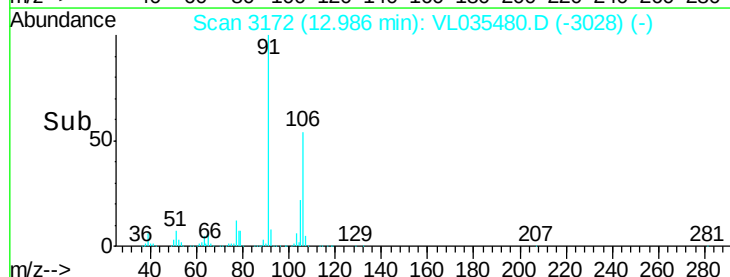
600000

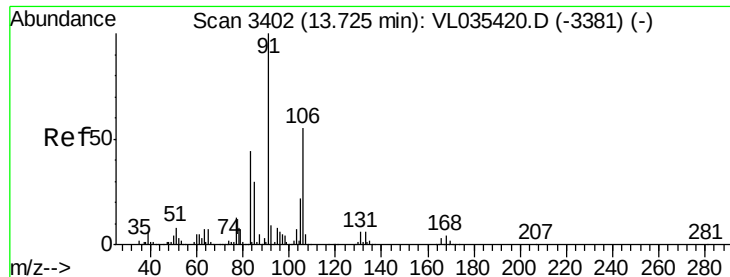
400000

200000

0

Time-->





#60

o-Xylene

Concen: 2.104 ppbv

RT: 13.71 min Scan# 3398

Delta R.T. -0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

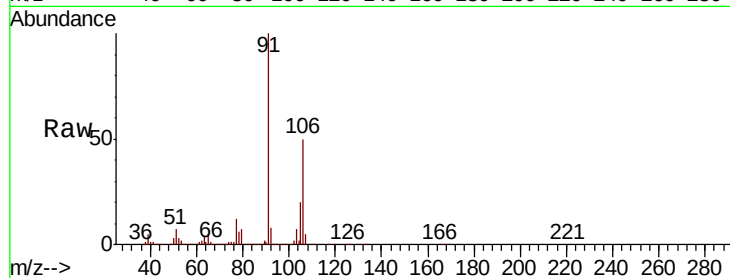
SSMP-4

Tot Ion: 91 Resp: 1044487

Ion Ratio Lower Upper

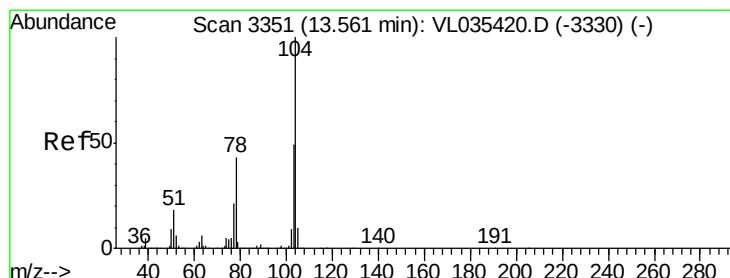
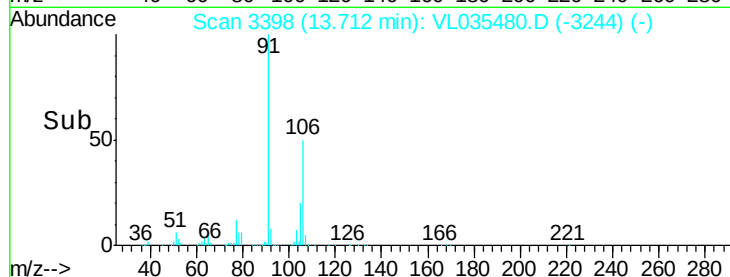
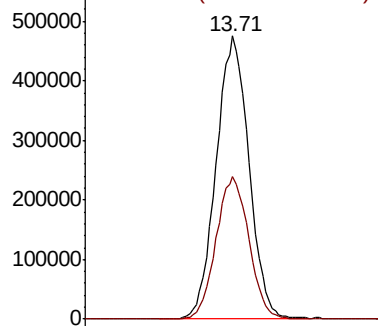
91 100

106 50.7 21.8 65.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#61

Styrene

Concen: 0.601 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. -0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

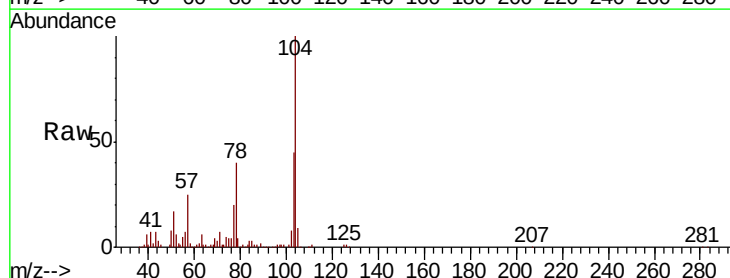
Tgt Ion: 104 Resp: 241284

Ion Ratio Lower Upper

104 100

78 40.5 45.4 68.2#

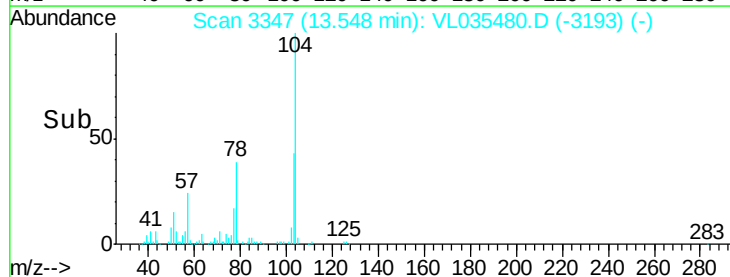
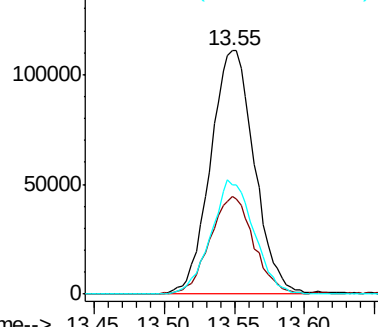
103 45.8 37.8 56.8

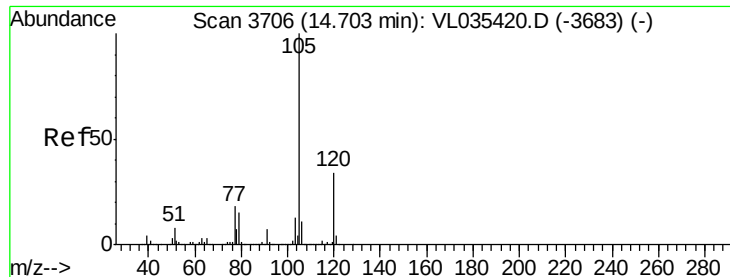


Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V





#62

Isopropylbenzene

Concen: 0.134 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. -0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

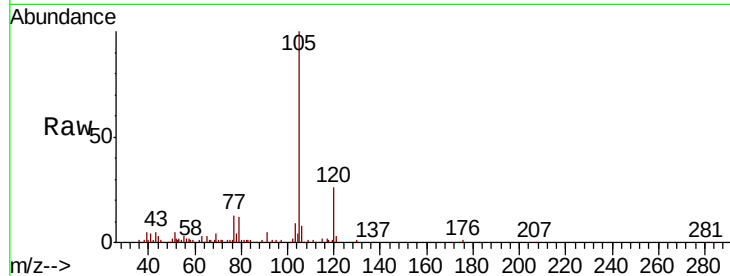
SSMP-4

Tot Ion:105 Resp: 108806

Ion Ratio Lower Upper

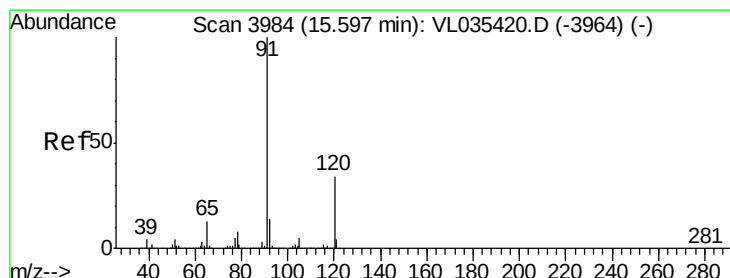
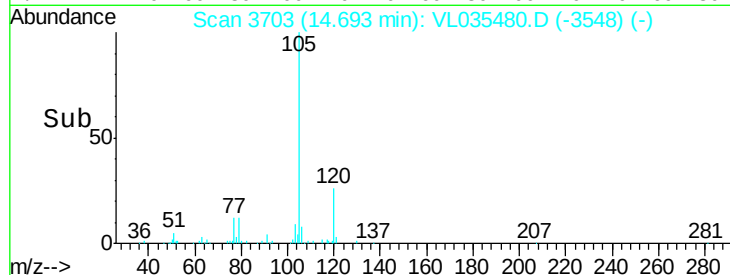
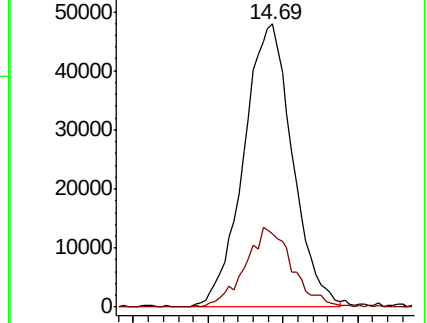
105 100

120 27.1 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.491 ppbv

RT: 15.58 min Scan# 3980

Delta R.T. -0.00 min

Lab File: VL035480.D

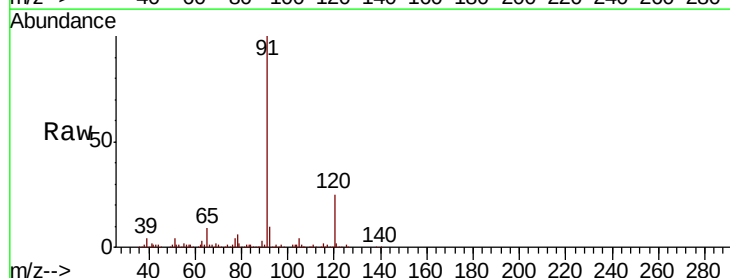
Acq: 20 Aug 2020 18:29

Tgt Ion:120 Resp: 123205

Ion Ratio Lower Upper

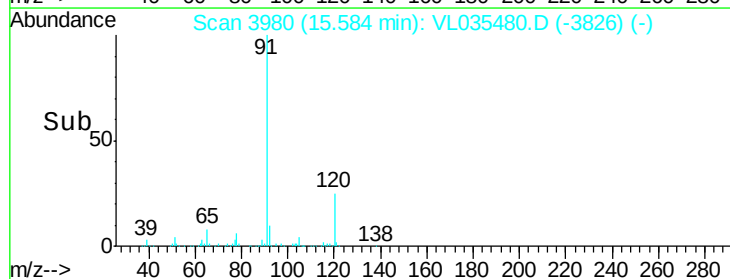
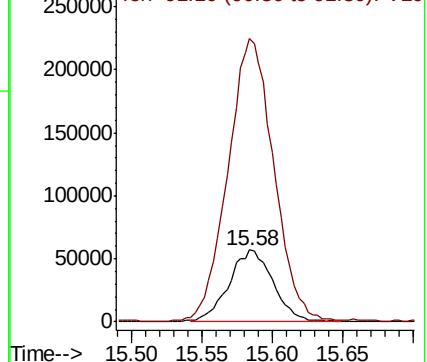
120 100

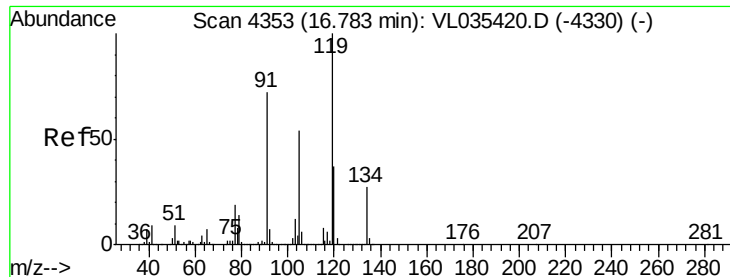
91 414.1 385.5 578.3



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.456 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.01 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4

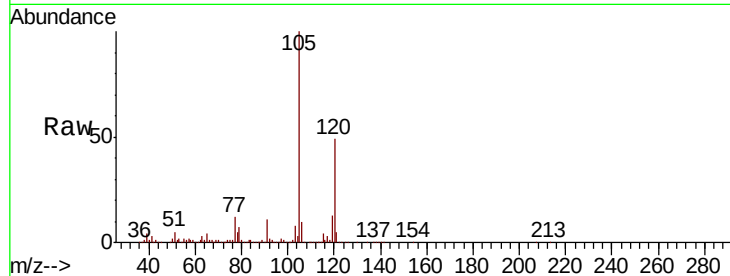
Tot Ion:119 Resp: 360634

Ion Ratio Lower Upper

119 100

91 84.8 72.0 108.0

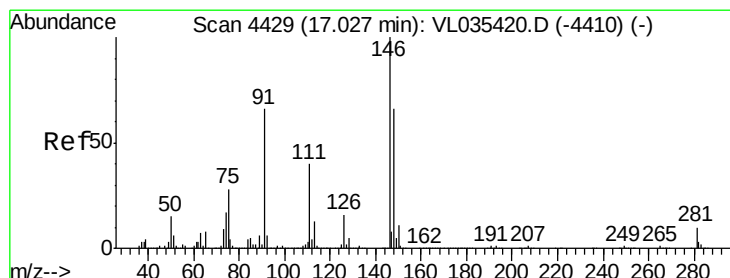
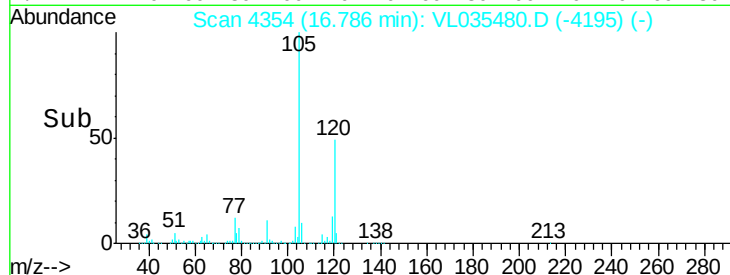
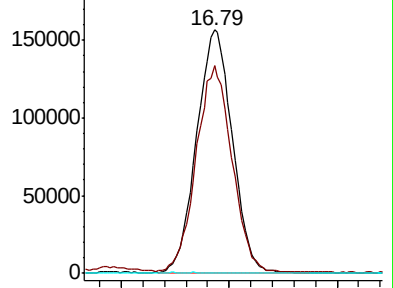
134 0.5 15.7 23.5#



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: 0.100 ppbv

RT: 17.23 min Scan# 4492

Delta R.T. 0.21 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

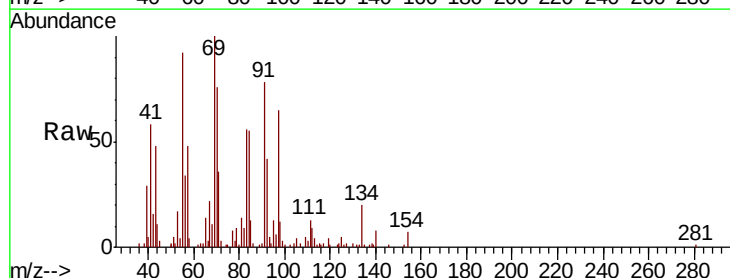
Tgt Ion: 91 Resp: 19017

Ion Ratio Lower Upper

91 100

126 0.0 13.3 19.9#

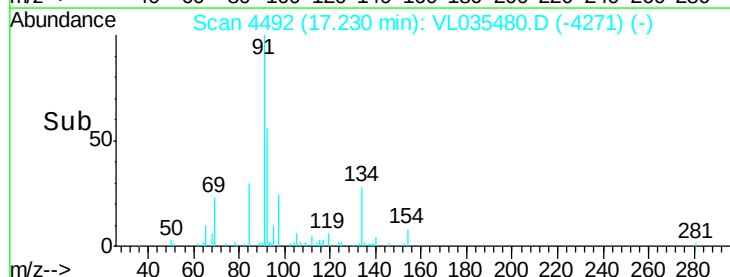
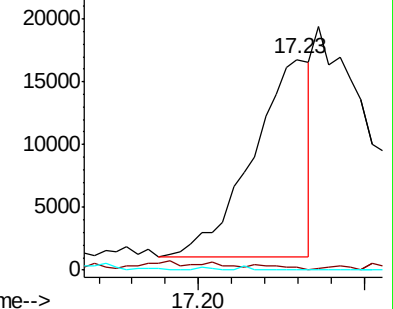
128 2.7 4.1 6.1#

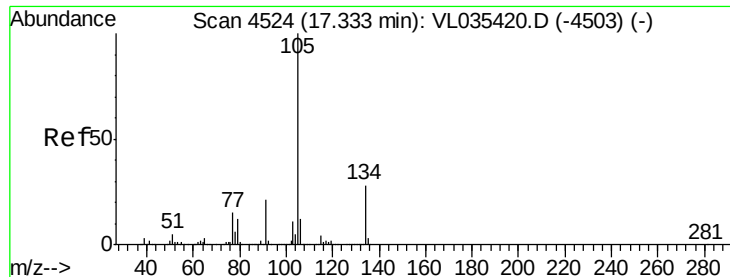


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.097 ppbv

RT: 17.32 min Scan# 4520

Delta R.T. -0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

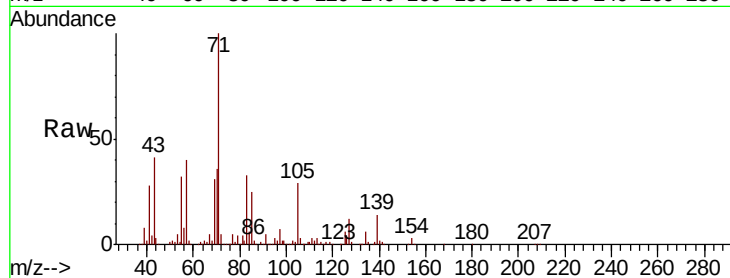
SSMP-4

Tot Ion: 105 Resp: 100561

Ion Ratio Lower Upper

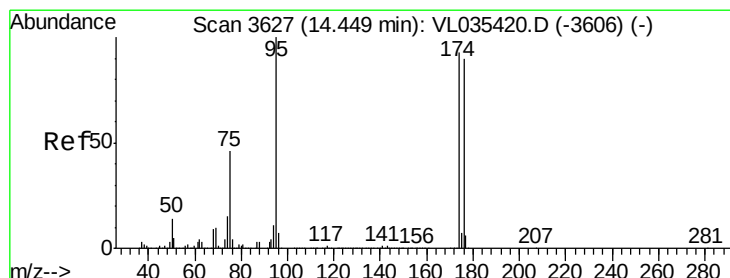
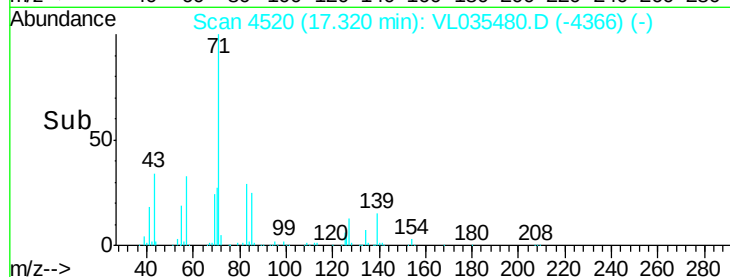
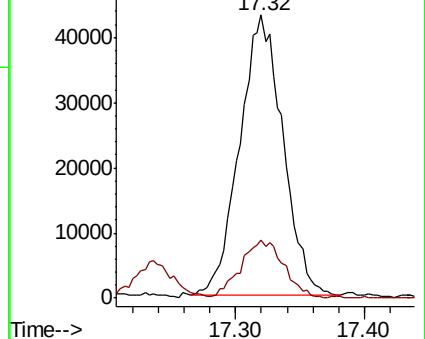
105 100

134 20.7 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: 10.289 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

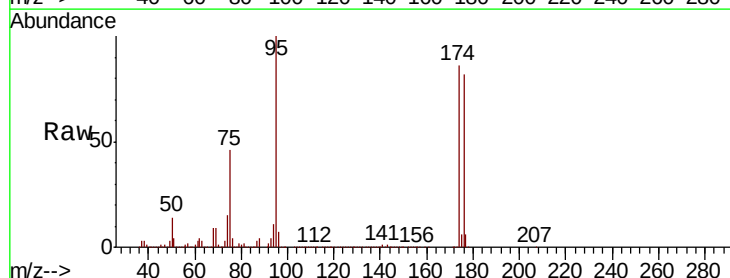
Tgt Ion: 95 Resp: 3606345

Ion Ratio Lower Upper

95 100

174 86.6 44.0 66.0#

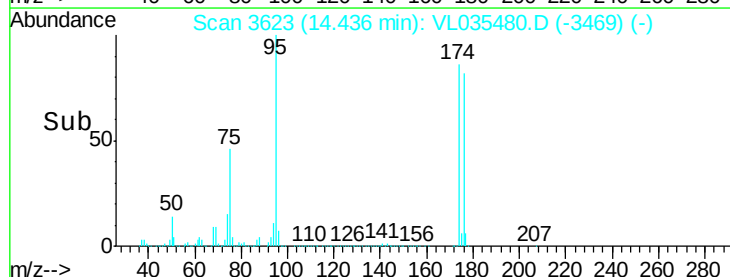
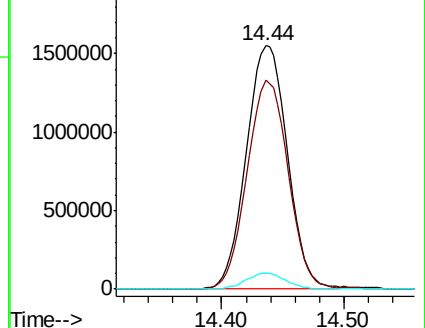
175 6.3 3.2 4.8#

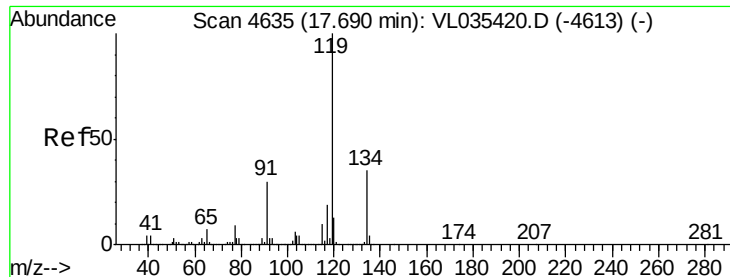


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

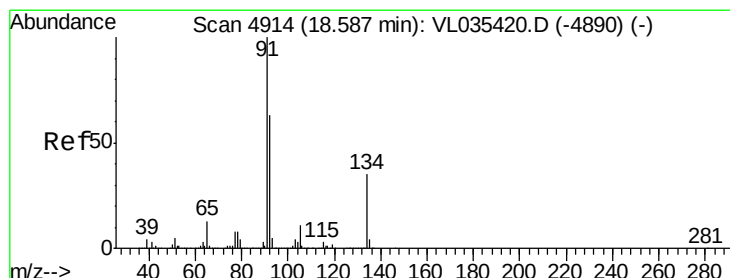
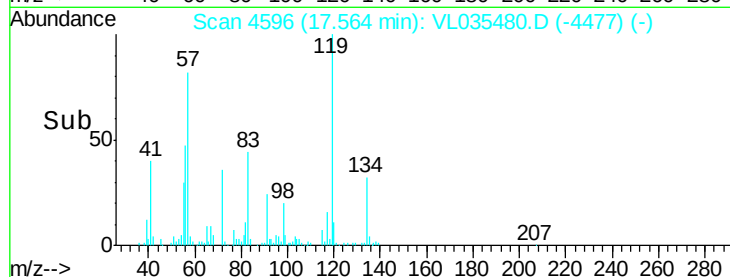
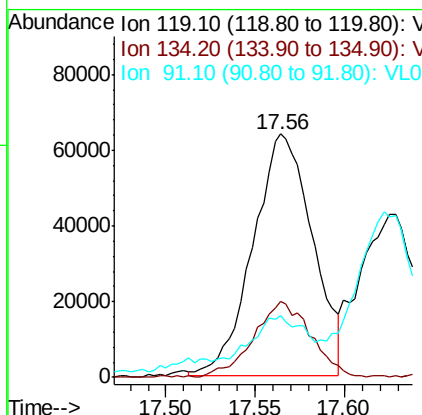
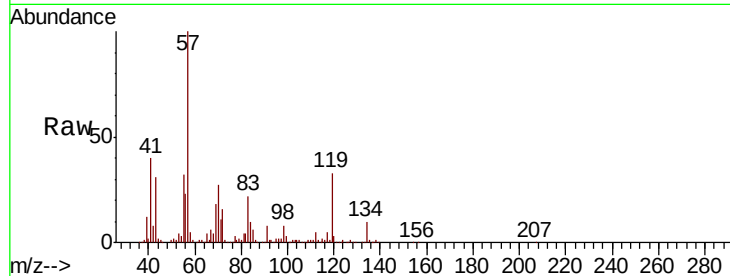




#69
 p-Isopropyltoluene
 Concen: 0.161 ppbv
 RT: 17.56 min Scan# 4596
 Delta R.T. -0.12 min
 Lab File: VL035480.D
 Acq: 20 Aug 2020 18:29

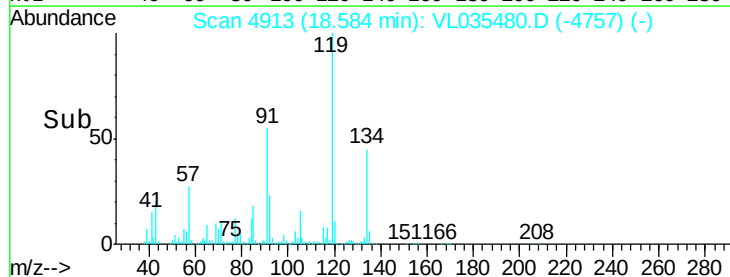
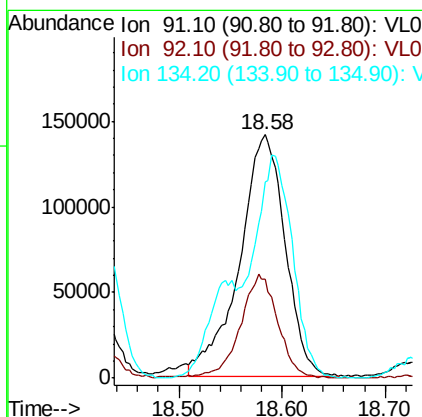
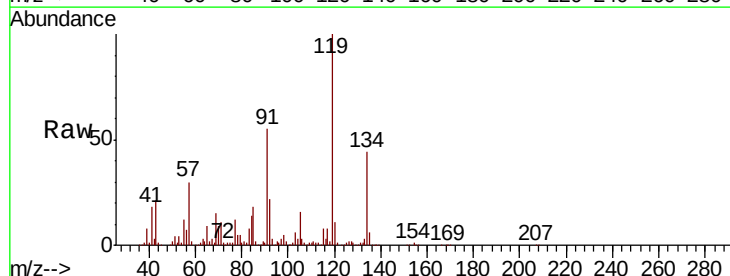
Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-4

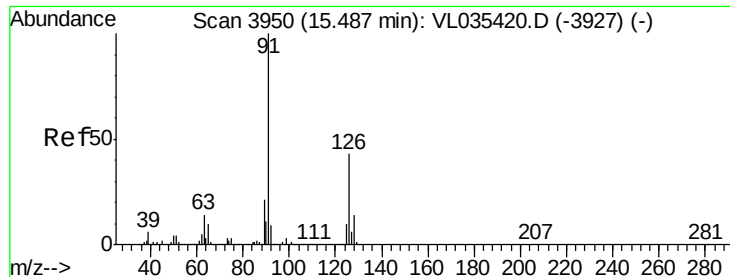
Tot Ion	Ratio	Lower	Upper
119	100		
134	30.7	20.6	30.8
91	30.9	26.6	39.8



#70
 n-Butylbenzene
 Concen: 0.497 ppbv
 RT: 18.58 min Scan# 4913
 Delta R.T. 0.00 min
 Lab File: VL035480.D
 Acq: 20 Aug 2020 18:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	35.5	44.8	67.2#
134	103.9	17.3	25.9#

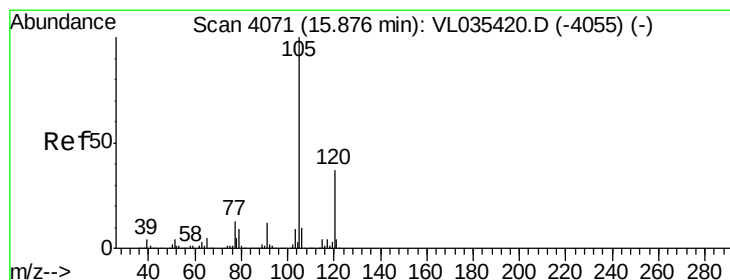
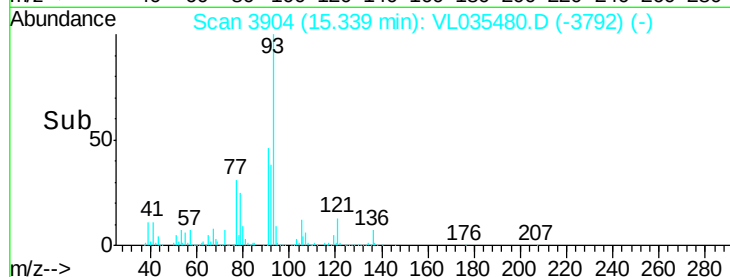
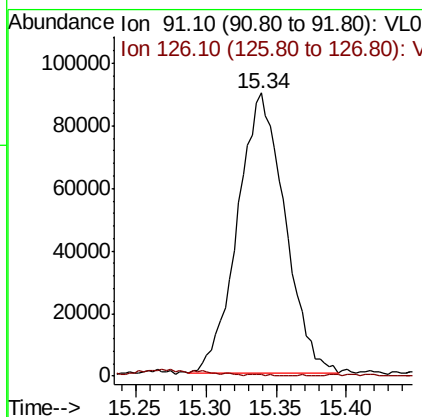
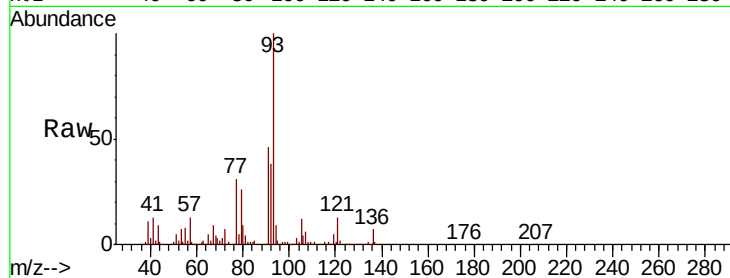




#71
 2-Chlorotoluene
 Concen: 0.355 ppbv
 RT: 15.34 min Scan# 3904
 Delta R.T. -0.14 min
 Lab File: VL035480.D
 Acq: 20 Aug 2020 18:29

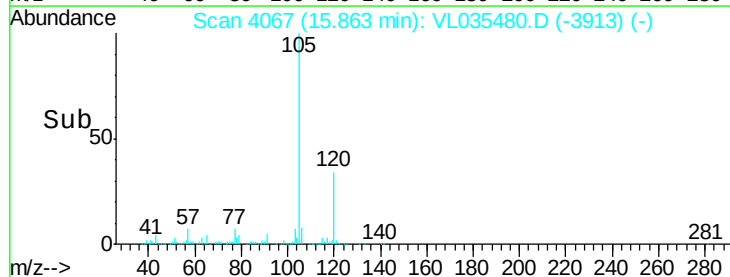
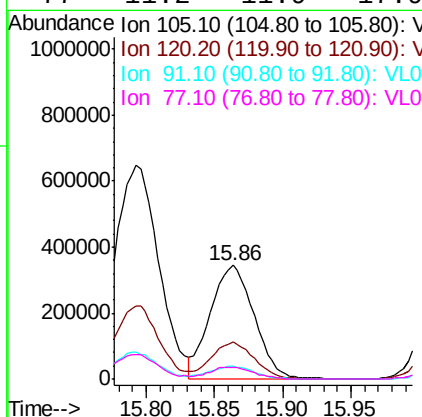
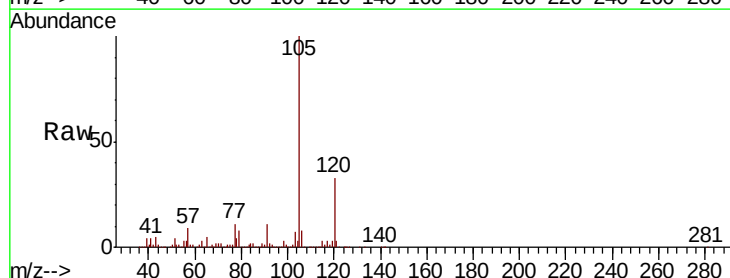
Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-4

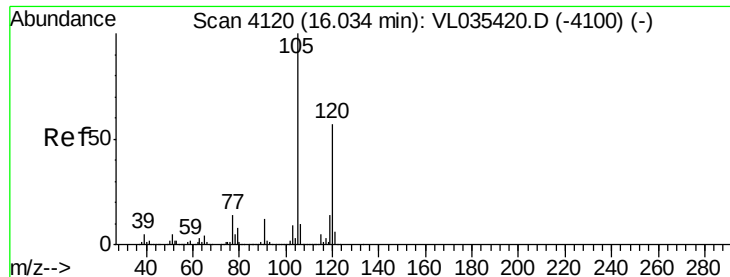
Tot Ion: 91 Resp: 209504
 Ion Ratio Lower Upper
 91 100
 126 0.8 11.4 45.6#



#72
 4-Ethyltoluene
 Concen: 1.173 ppbv
 RT: 15.86 min Scan# 4067
 Delta R.T. -0.00 min
 Lab File: VL035480.D
 Acq: 20 Aug 2020 18:29

Tgt Ion:105 Resp: 764088
 Ion Ratio Lower Upper
 105 100
 120 31.9 22.7 34.1
 91 11.0 10.8 16.2
 77 11.2 11.9 17.9#





#73

1,3,5-Trimethylbenzene

Concen: 1.264 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. -0.01 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

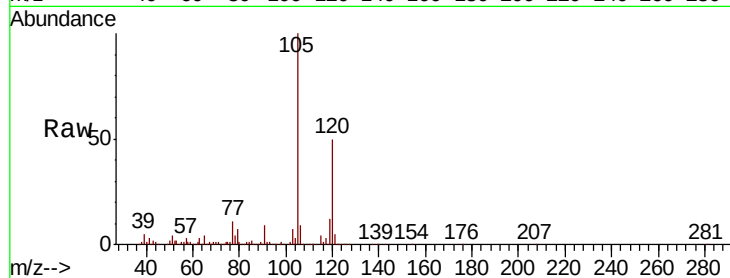
SSMP-4

Tot Ion:105 Resp: 766360

Ion Ratio Lower Upper

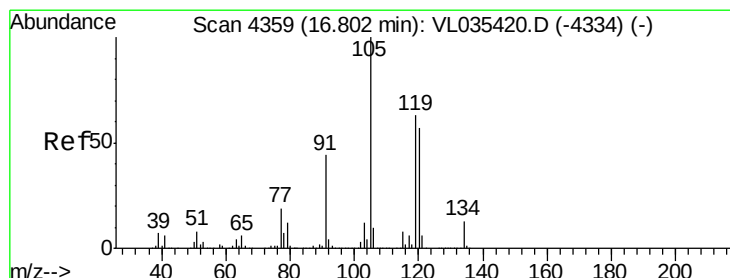
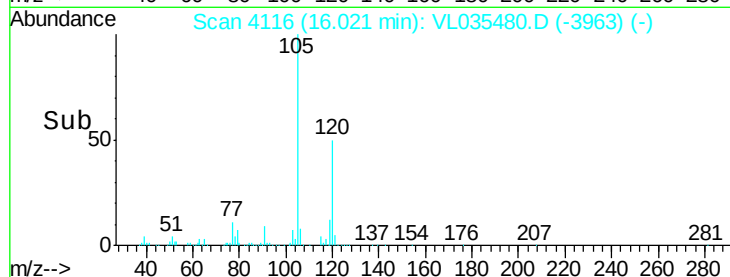
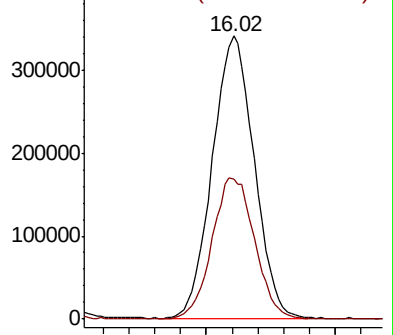
105 100

120 49.6 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: 4.401 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. -0.01 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Tgt Ion:105 Resp: 2899306

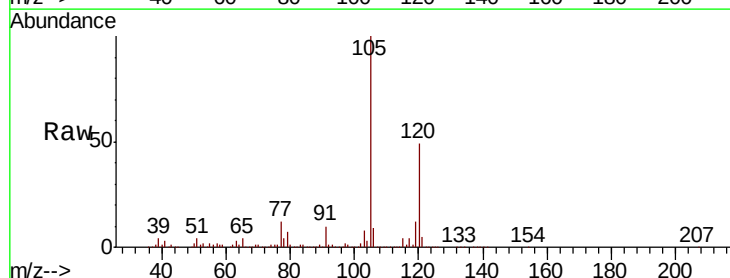
Ion Ratio Lower Upper

105 100

120 48.9 37.8 56.8

91 10.1 40.0 60.0#

77 11.6 18.8 28.2#

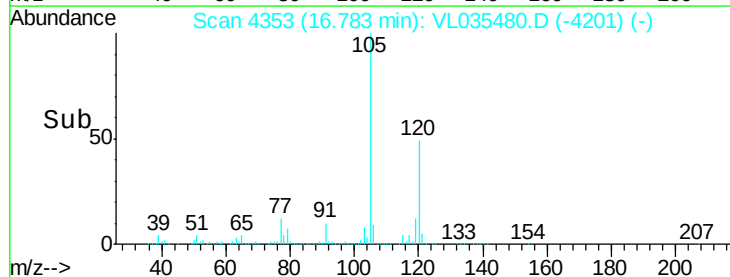
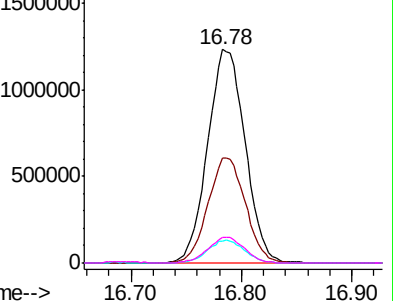


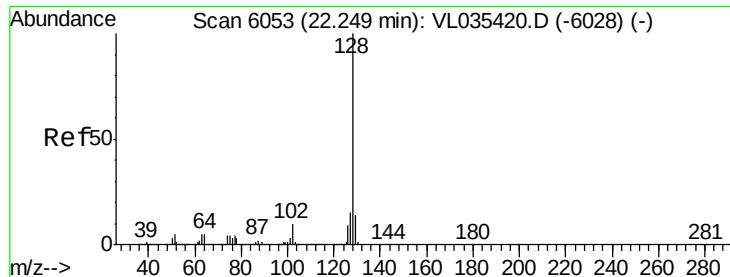
Abundance Ion 105.10 (104.80 to 105.80): V

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: 1.368 ppbv

RT: 22.23 min Scan# 6048

Delta R.T. -0.01 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4

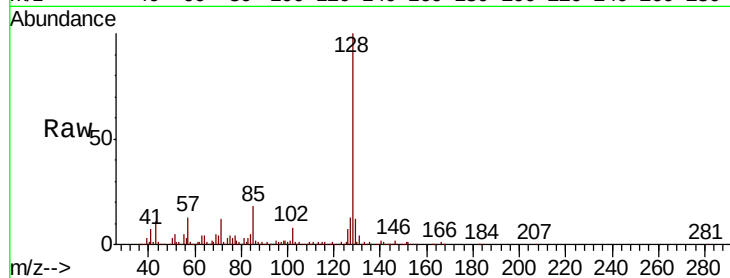
Tot Ion:128 Resp: 1268863

Ion Ratio Lower Upper

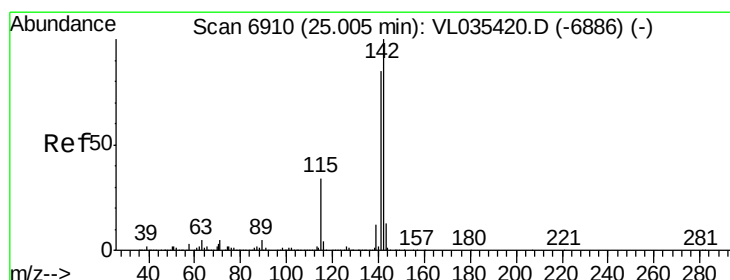
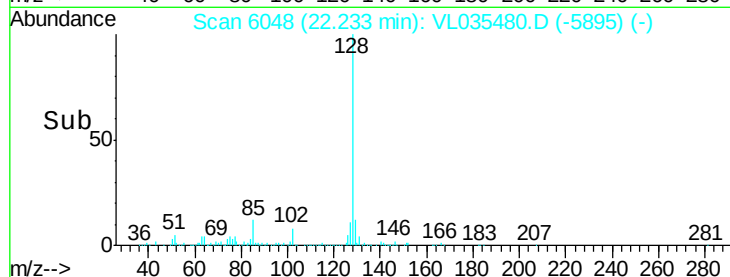
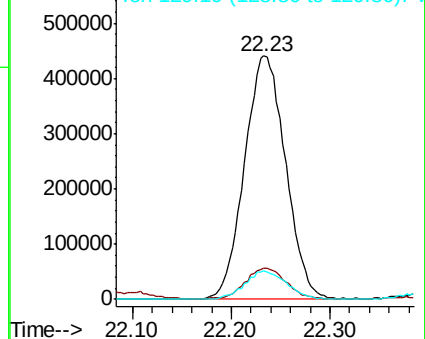
128 100

127 12.8 11.4 17.0

129 11.9 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: 1.124 ppbv

RT: 25.00 min Scan# 6908

Delta R.T. -0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

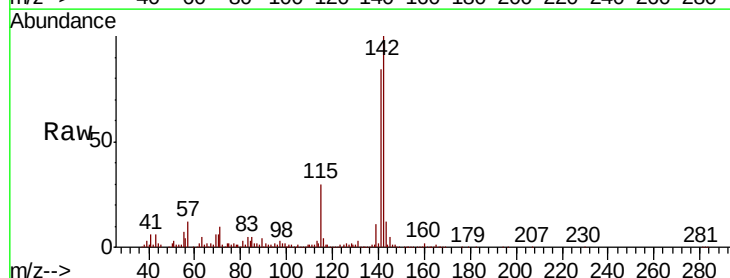
Tgt Ion:142 Resp: 431092

Ion Ratio Lower Upper

142 100

141 85.7 67.1 100.7

115 38.2 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

