

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
 Data File : VL035474.D
 Acq On : 20 Aug 2020 14:30
 Operator : SY/AP
 Sample : L3743-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-1

Quant Time: Aug 21 05:57:37 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	1078608	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4844034	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4778254	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3457505	10.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	56914	0.285	ppbv 99
3) Chlorodifluoromethane	2.98	51	1036855	7.667	ppbv 97
4) Chloromethane	3.12	50	43141	0.612	ppbv # 48
7) Chloroethane	3.11	64	195550	6.304	ppbv 91
9) Propene	3.01	41	279285	5.138	ppbv # 74
10) Heptane	8.13	43	89499	0.628	ppbv # 80
11) Trichlorofluoromethane	3.95	101	117671	0.375	ppbv 94
12) 1,1,2-Trichlorotrifluoroet	4.48	101	16565	0.071	ppbv # 83
13) Ethanol	3.60	45	832939	41.823	ppbv 100
15) Acetone	3.84	43	3231182	26.027	ppbv # 78
16) 1,3-Butadiene	3.30	39	36400	0.723	ppbv # 26
17) tert-Butyl alcohol	4.30	59	100322	0.625	ppbv 99
19) Isopropyl Alcohol	3.98	45	135323	1.581	ppbv # 1
20) Methylene Chloride	4.34	84	2331154	23.273	ppbv # 65
21) Allyl Chloride	4.34	41	45347	0.719	ppbv # 43
23) Vinyl Acetate	5.07	43	219203	1.235	ppbv # 64
25) Ethyl Acetate	5.69	43	581396	2.407	ppbv # 78
26) Hexane	5.69	57	1053479	7.727	ppbv # 30
27) Carbon Disulfide	4.55	76	80498	0.408	ppbv # 90
29) Chloroform	5.76	83	137687	0.503	ppbv 90
30) Cyclohexane	7.14	84	71788	0.475	ppbv # 60
32) 1,1,1-Trichloroethane	6.52	97	18278	0.071	ppbv # 91
34) 2-Butanone	5.25	43	736637	4.552	ppbv # 73
35) Carbon Tetrachloride	7.02	117	26872	0.104	ppbv 97
36) Benzene	6.90	78	283069	0.796	ppbv # 87
38) Trichloroethene	7.84	130	10019046	50.661	ppbv 90
39) 1,2-Dichloropropane	7.84	63	39714	0.339	ppbv # 1
41) Tetrahydrofuran	6.06	42	152253	1.705	ppbv # 67
44) 2,2,4-Trimethylpentane	7.88	57	196580	0.423	ppbv # 93
50) 4-Methyl-2-Pentanone	8.76	43	382348	1.647	ppbv # 84
51) 2-Hexanone	10.15	43	78000	0.399	ppbv # 95
52) Tetrachloroethene	11.25	164	8509434	39.239	ppbv 93
53) Toluene	9.82	91	2732646	5.968	ppbv 100
58) Ethyl Benzene	12.73	91	524178	0.909	ppbv 94
59) m/p-Xylene	12.98	91	1747483	3.584	ppbv # 84
60) o-Xylene	13.71	91	681797	1.439	ppbv 91
61) Styrene	13.55	104	63222	0.165	ppbv # 91
62) Isopropylbenzene	14.69	105	63996	0.082	ppbv 92
64) n-propylbenzene	15.58	120	81479	0.340	ppbv 73
65) tert-Butylbenzene	16.78	119	276385	0.366	ppbv # 89
66) Benzyl Chloride	17.24	91	28542	0.157	ppbv # 77

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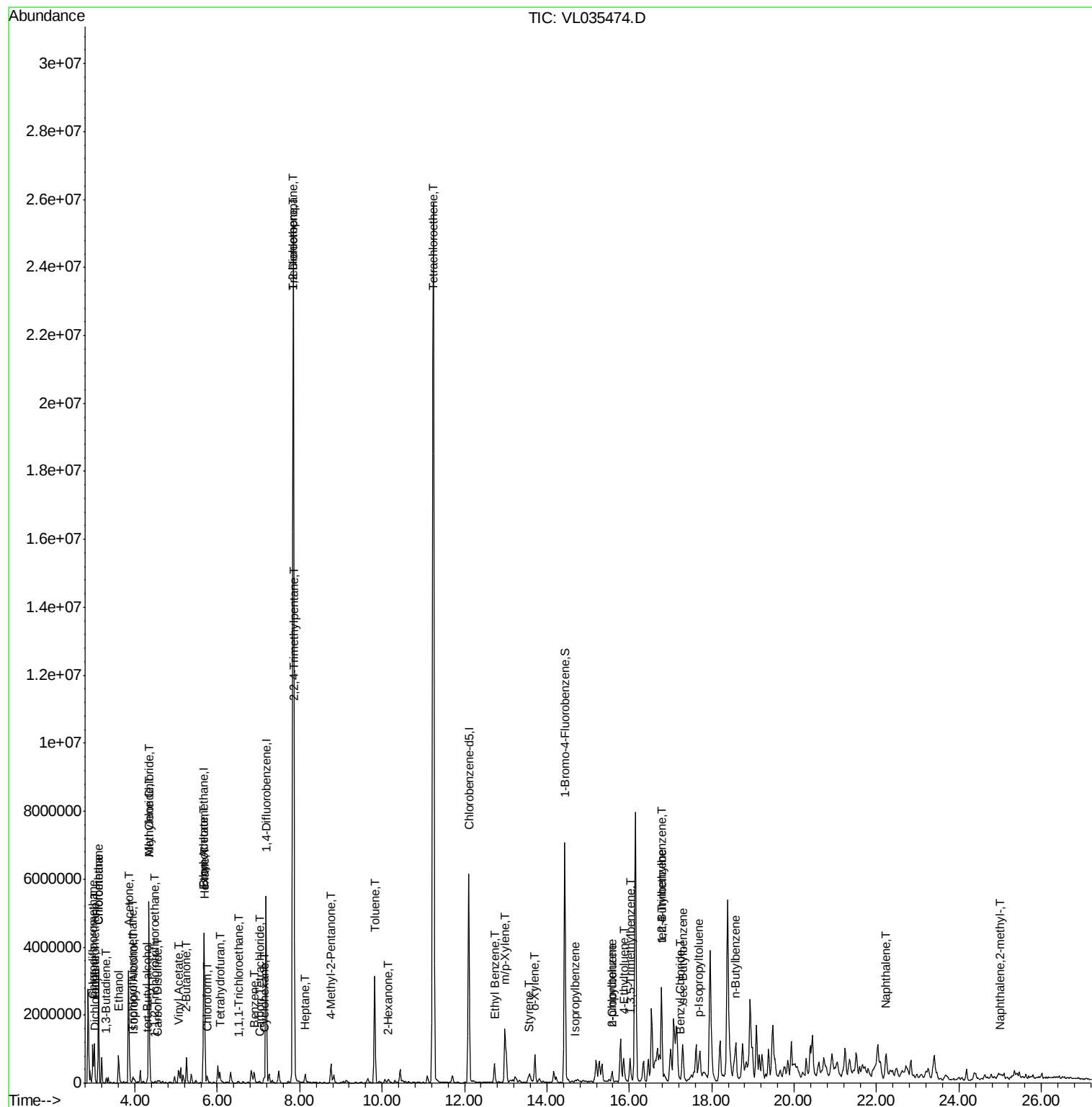
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) sec-Butylbenzene	17.31	105	72098	0.073	ppbv	95
69) p-Isopropyltoluene	17.68	119	126697	0.144	ppbv #	87
70) n-Butylbenzene	18.58	91	348872	0.419	ppbv #	32
71) 2-Chlorotoluene	15.58	91	333300	0.591	ppbv #	47
72) 4-Ethyltoluene	15.86	105	560884	0.902	ppbv #	94
73) 1,3,5-Trimethylbenzene	16.02	105	545188	0.942	ppbv	90
74) 1,2,4-Trimethylbenzene	16.78	105	2248161	3.576	ppbv #	70
79) Naphthalene	22.23	128	578655	0.654	ppbv	97
80) Naphthalene,2-methyl-	25.00	142	75156	0.205	ppbv	95

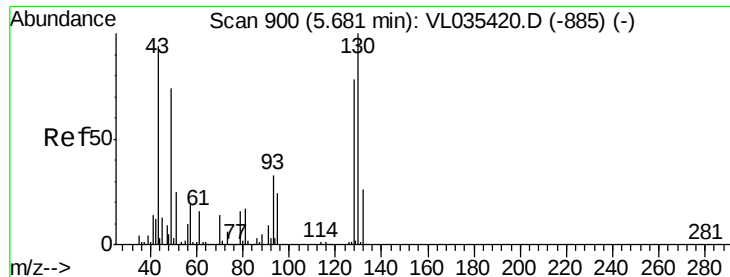
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL035474.D

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Instrument :

MSVOA_L

ClientSampleId :

SSMP-1

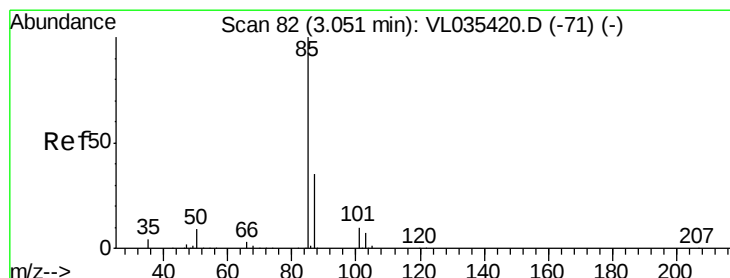
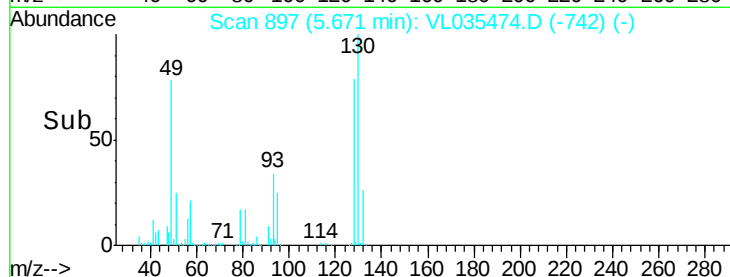
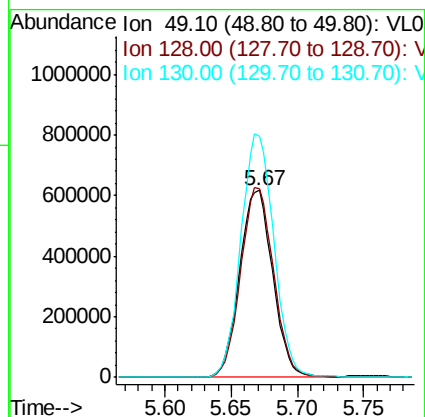
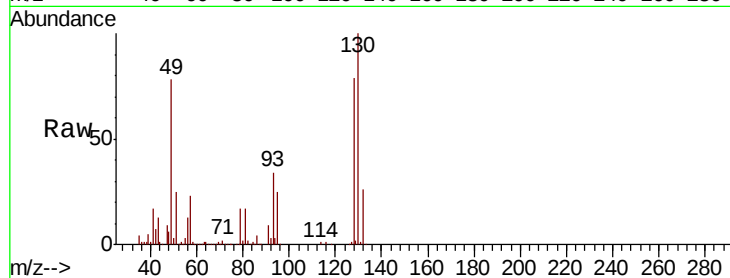
Tot Ion: 49 Resp: 1078608

Ion Ratio Lower Upper

49 100

128 100.8 20.9 62.7#

130 129.6 26.7 80.1#



#2

Dichlorodifluoromethane

Concen: 0.285 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL035474.D

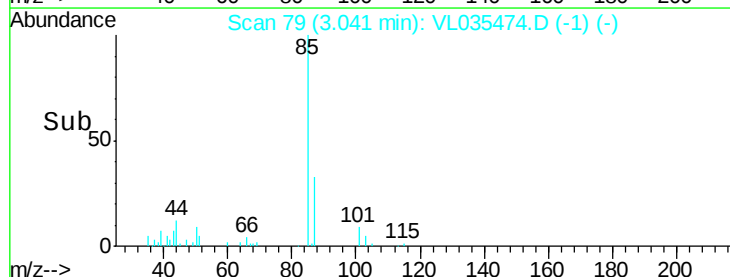
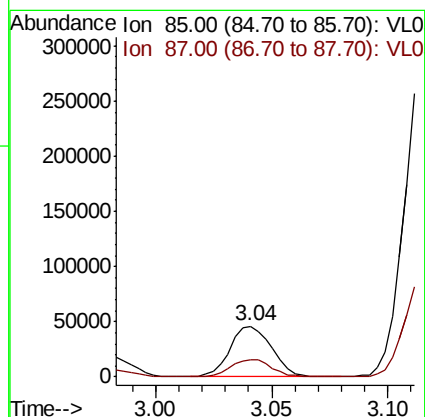
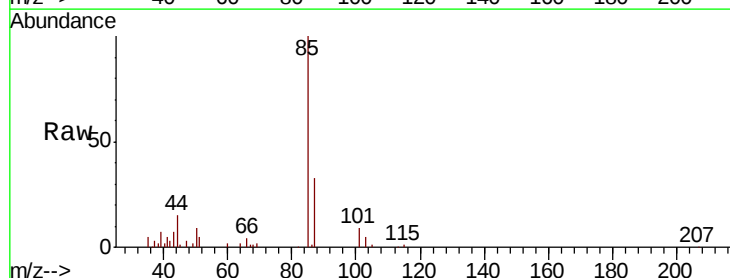
Acq: 20 Aug 2020 14:30

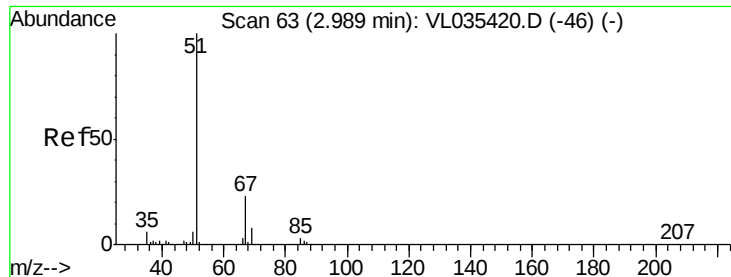
Tgt Ion: 85 Resp: 56914

Ion Ratio Lower Upper

85 100

87 33.4 27.1 40.7





#3

Chlorodifluoromethane

Concen: 7.667 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

Instrument :

MSVOA_L

ClientSampleId :

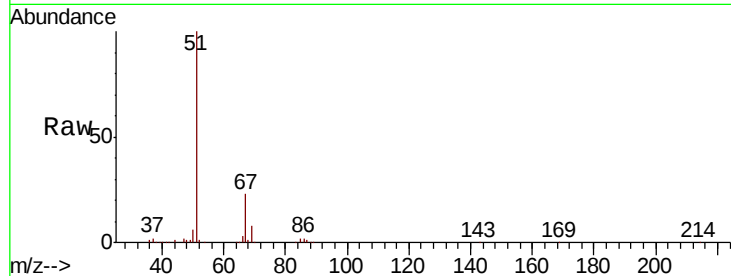
SSMP-1

Tot Ion: 51 Resp: 1036855

Ion Ratio Lower Upper

51 100

67 20.3 15.0 22.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.98

800000

600000

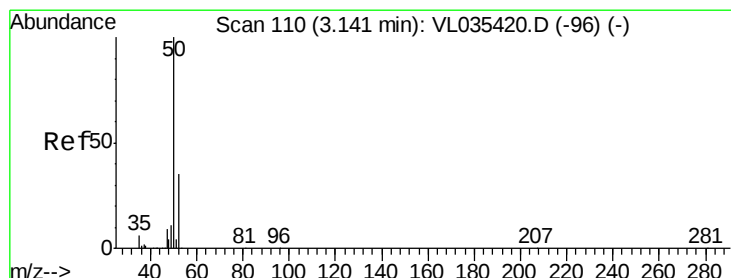
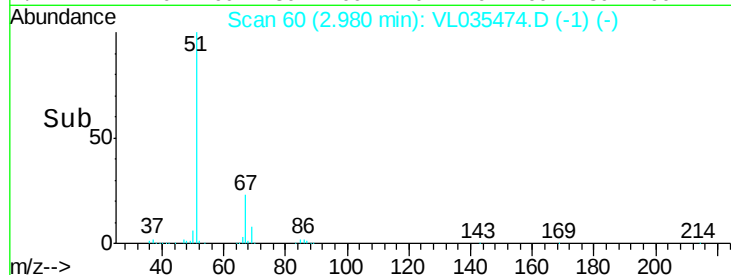
400000

200000

0

Time-->

2.90 3.00 3.10



#4

Chloromethane

Concen: 0.612 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.02 min

Lab File: VL035474.D

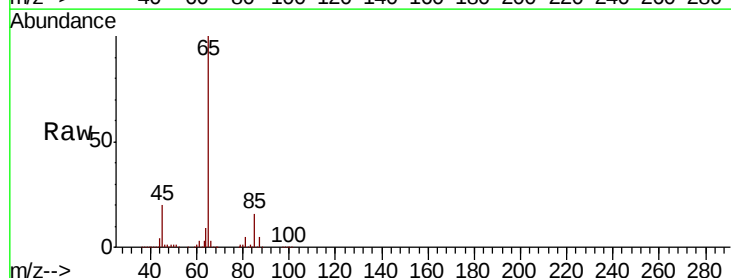
Acq: 20 Aug 2020 14:30

Tgt Ion: 50 Resp: 43141

Ion Ratio Lower Upper

50 100

52 3.2 25.9 38.9#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.12

30000

25000

20000

15000

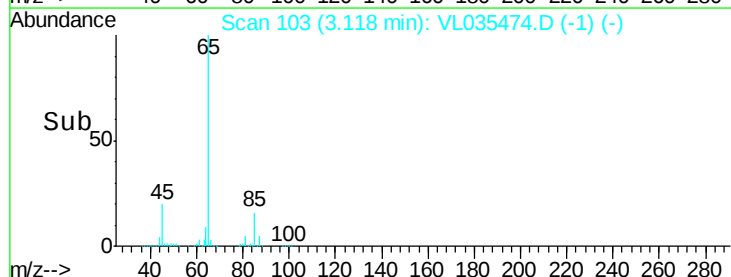
10000

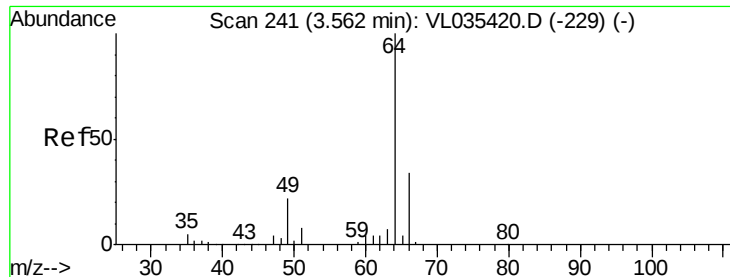
5000

0

Time-->

3.10 3.15





#7

Chloroethane

Concen: 6.304 ppbv

RT: 3.11 min Scan# 102

Delta R.T. -0.44 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

Instrument :

MSVOA_L

ClientSampleId :

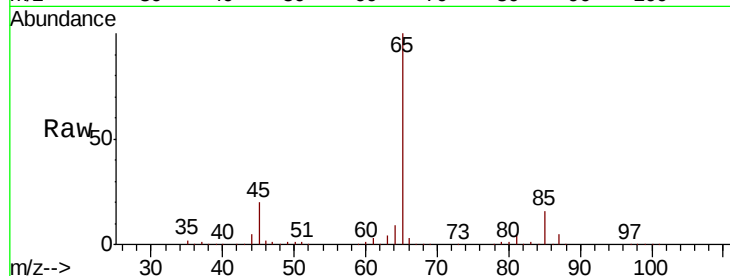
SSMP-1

Tot Ion: 64 Resp: 195550

Ion Ratio Lower Upper

64 100

66 35.5 24.5 36.7



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.11

150000

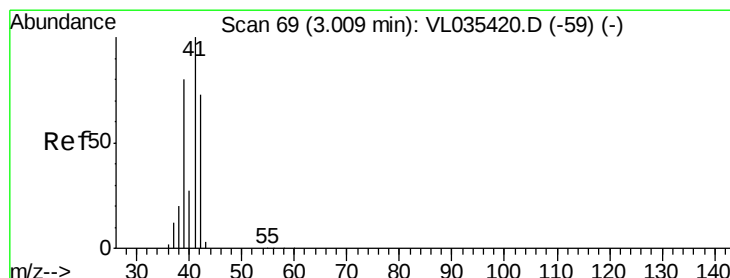
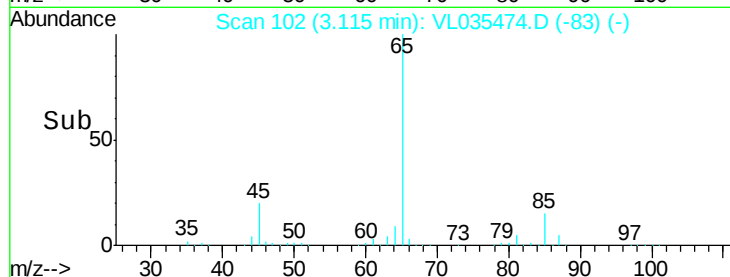
100000

50000

0

3.10 3.15

Time-->



#9

Propene

Concen: 5.138 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035474.D

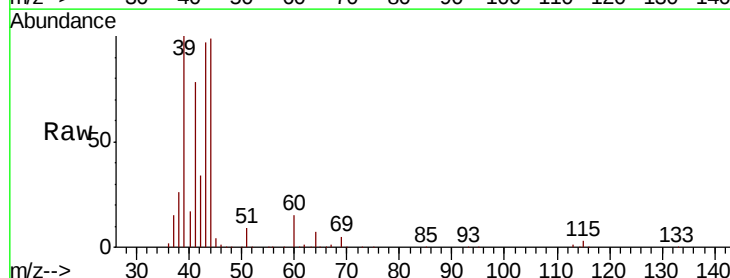
Acq: 20 Aug 2020 14:30

Tgt Ion: 41 Resp: 279285

Ion Ratio Lower Upper

41 100

42 48.3 55.5 83.3#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

200000

150000

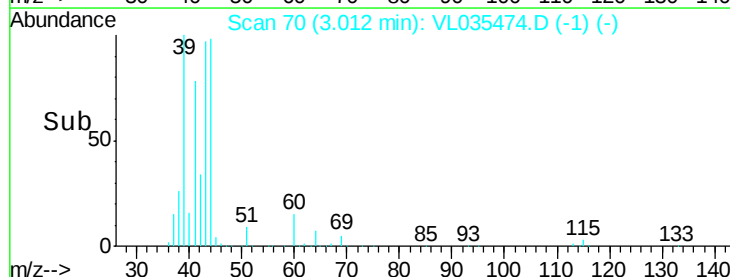
100000

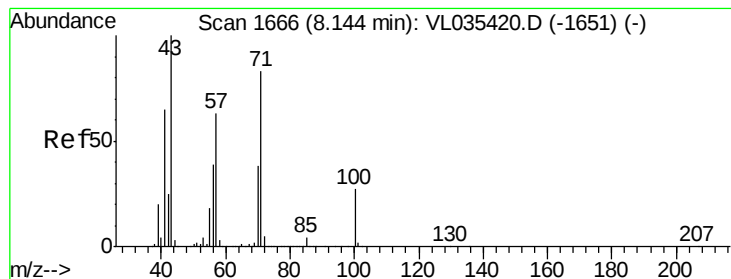
50000

0

2.95 3.00 3.05

Time-->





#10

Heptane

Concen: 0.628 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.01 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

Instrument :

MSVOA_L

ClientSampleId :

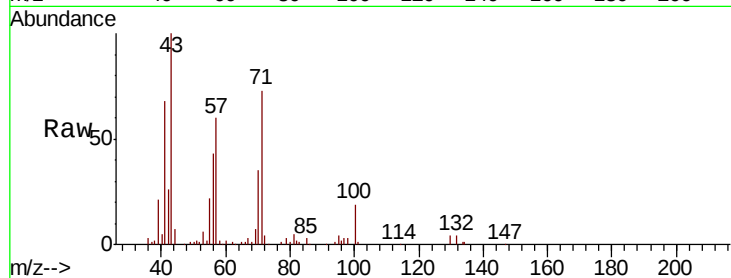
SSMP-1

Tot Ion: 43 Resp: 89499

Ion Ratio Lower Upper

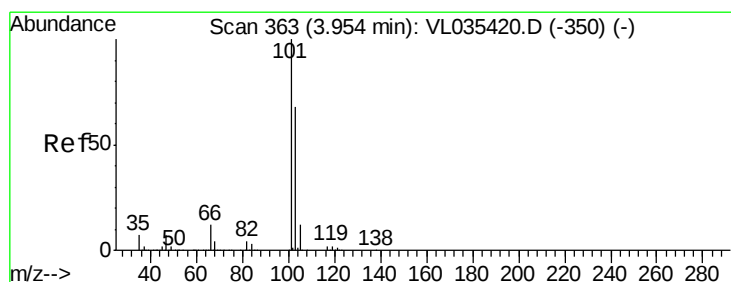
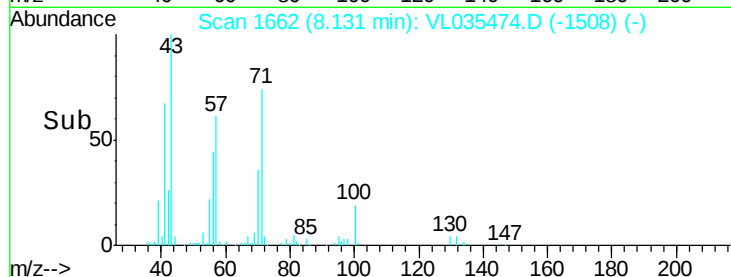
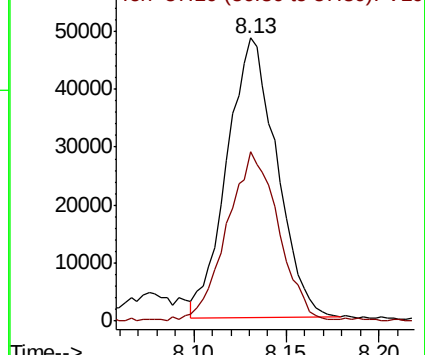
43 100

57 63.5 39.8 59.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.375 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.00 min

Lab File: VL035474.D

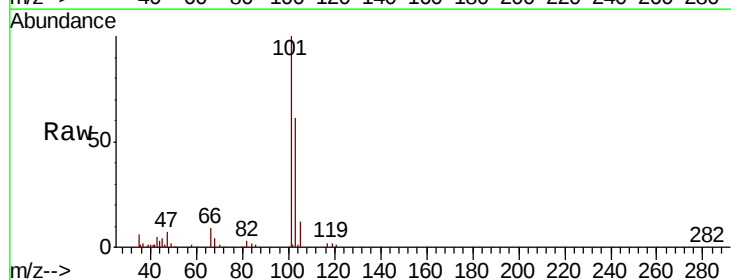
Acq: 20 Aug 2020 14:30

Tgt Ion: 101 Resp: 117671

Ion Ratio Lower Upper

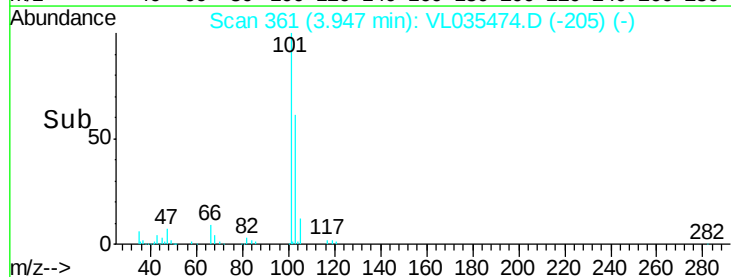
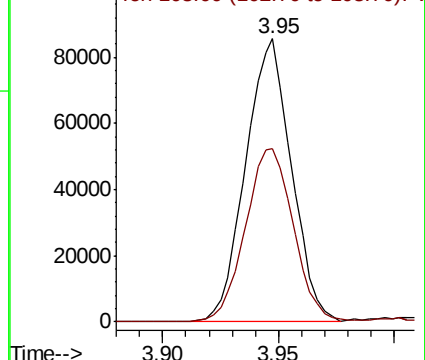
101 100

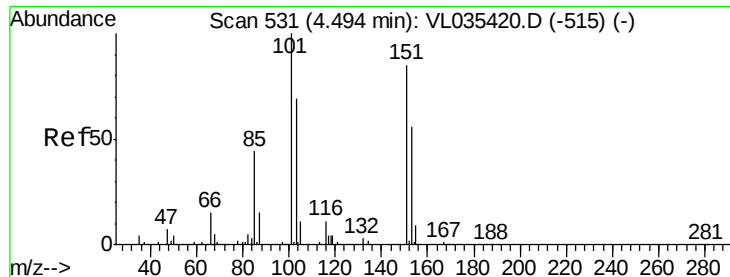
103 61.3 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.071 ppbv

RT: 4.48 min Scan# 527

Delta R.T. -0.00 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

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ClientSampleId :

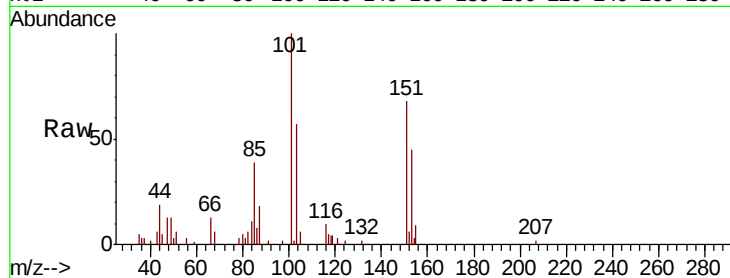
SSMP-1

Tot Ion:101 Resp: 16565

Ion Ratio Lower Upper

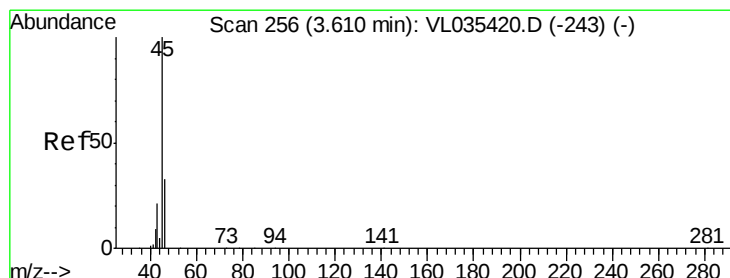
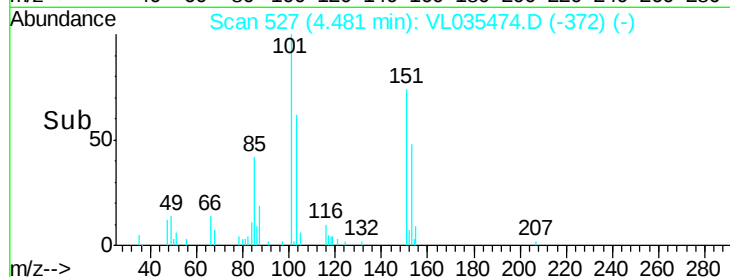
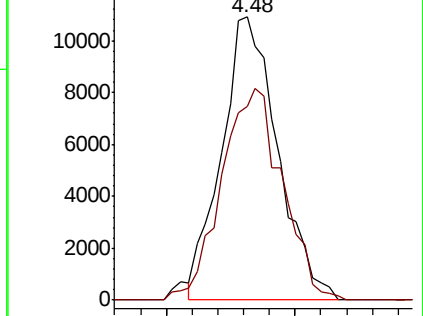
101 100

151 80.8 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: 41.823 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL035474.D

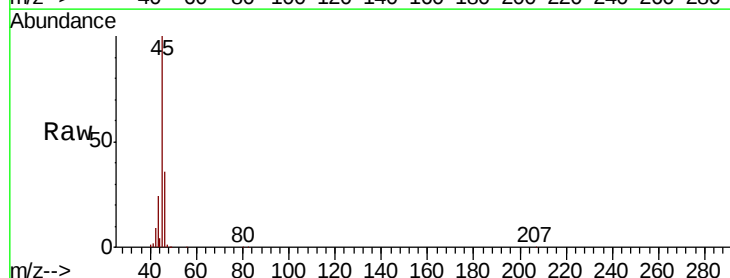
Acq: 20 Aug 2020 14:30

Tgt Ion: 45 Resp: 832939

Ion Ratio Lower Upper

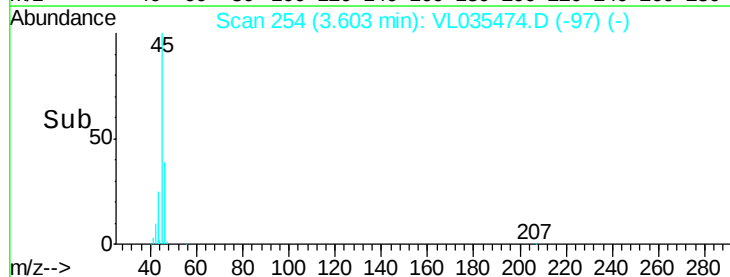
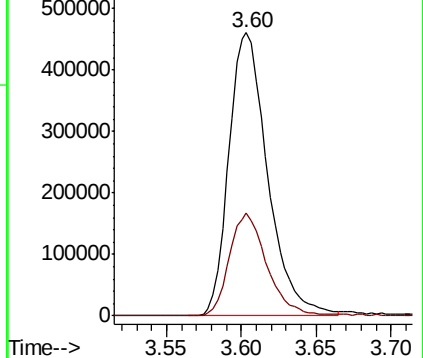
45 100

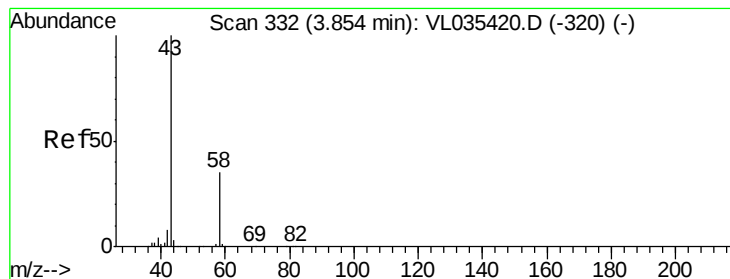
46 35.6 14.2 56.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 26.027 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

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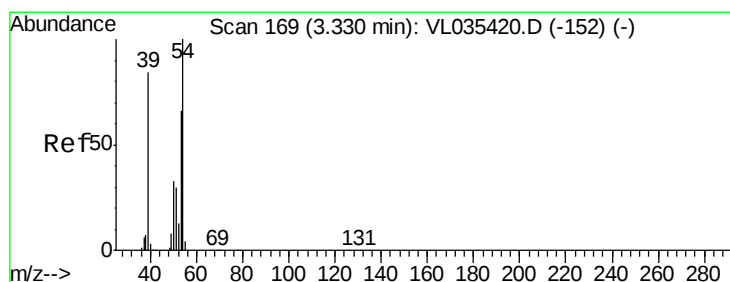
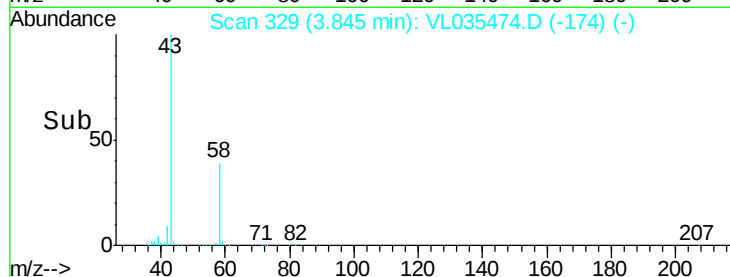
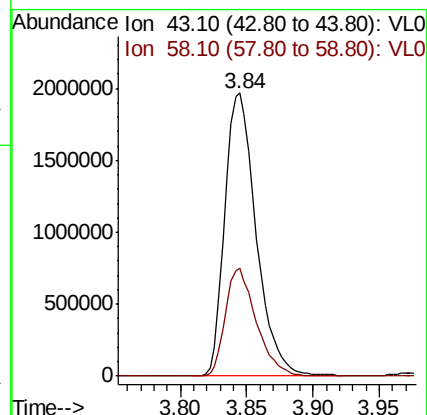
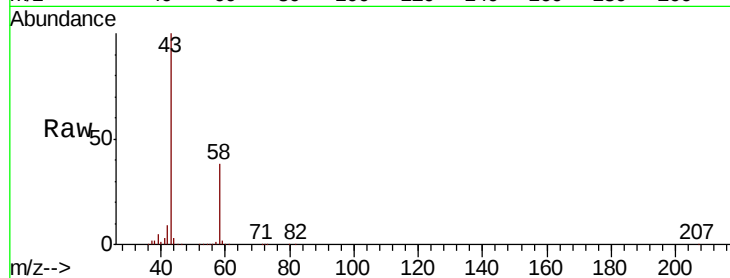
SSMP-1

Tot Ion: 43 Resp: 3231182

Ion Ratio Lower Upper

43 100

58 37.7 21.0 31.6#



#16

1,3-Butadiene

Concen: 0.723 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.02 min

Lab File: VL035474.D

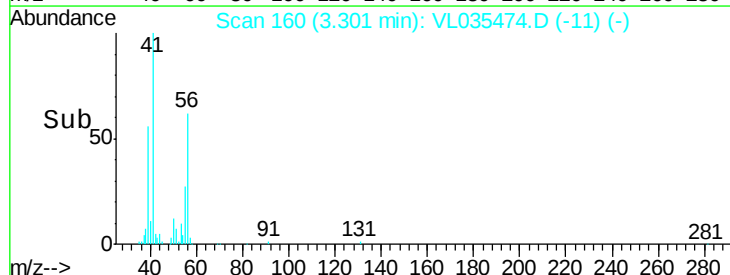
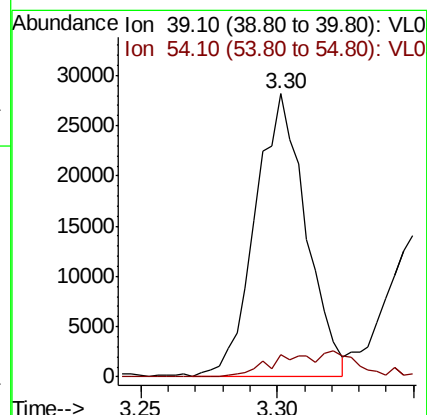
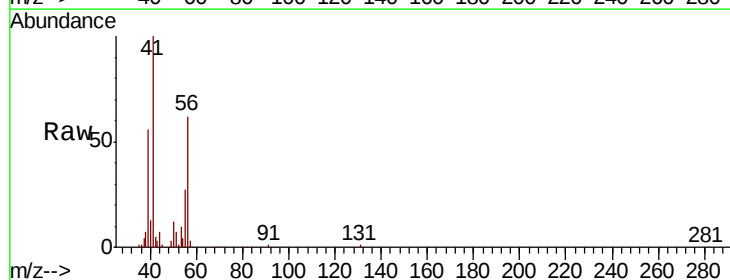
Acq: 20 Aug 2020 14:30

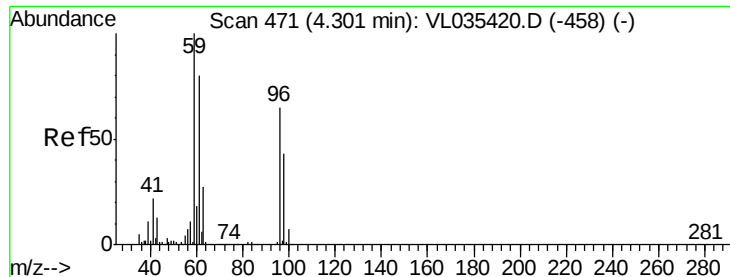
Tgt Ion: 39 Resp: 36400

Ion Ratio Lower Upper

39 100

54 14.7 64.4 96.6#





#17

tert-Butyl alcohol

Concen: 0.625 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.01 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

Instrument :

MSVOA_L

ClientSampleId :

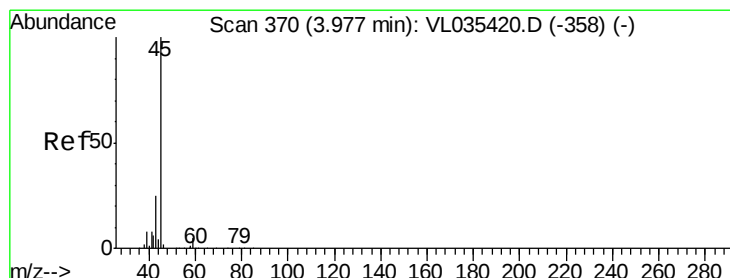
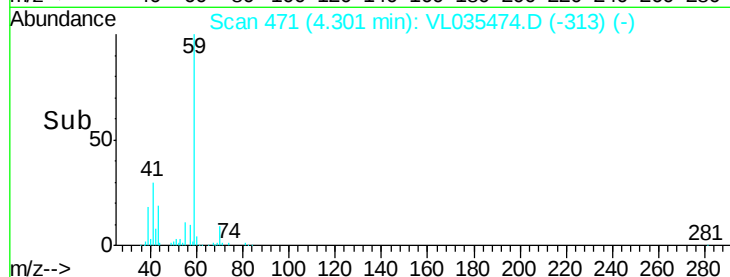
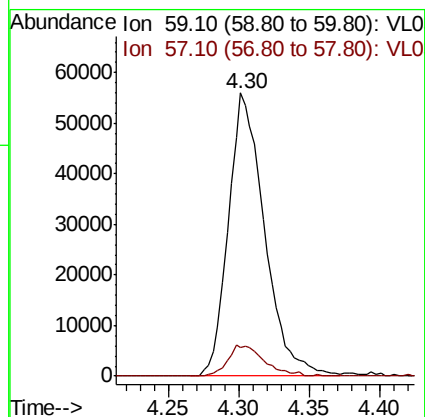
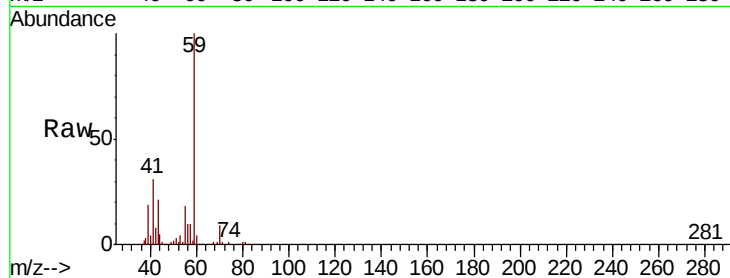
SSMP-1

Tot Ion: 59 Resp: 100322

Ion Ratio Lower Upper

59 100

57 11.4 8.9 13.3



#19

Isopropyl Alcohol

Concen: 1.581 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL035474.D

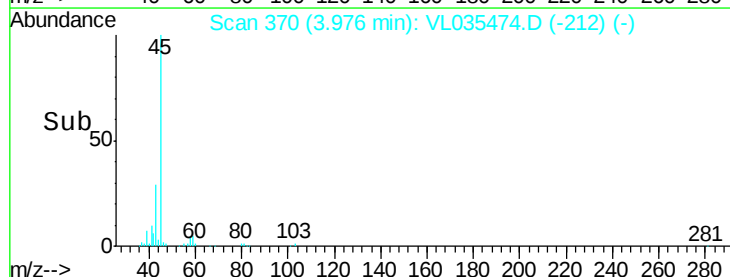
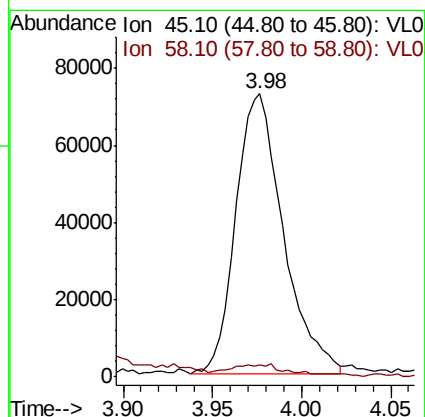
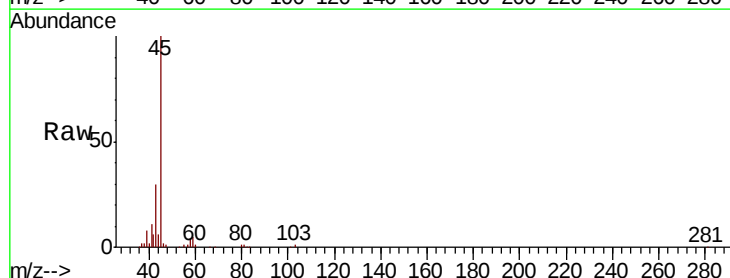
Acq: 20 Aug 2020 14:30

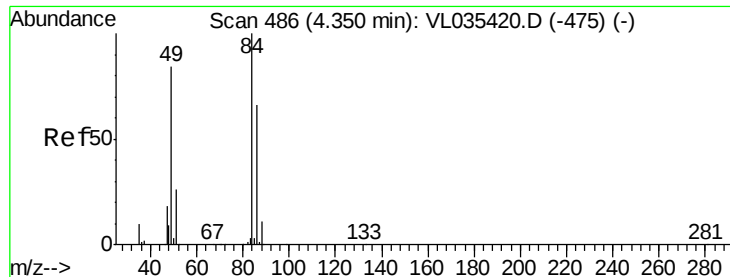
Tgt Ion: 45 Resp: 135323

Ion Ratio Lower Upper

45 100

58 900.7 1.0 1.6#





#20

Methylene Chloride

Concen: 23.273 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

Instrument :

MSVOA_L

ClientSampleId :

SSMP-1

Tot Ion: 84 Resp: 2331154

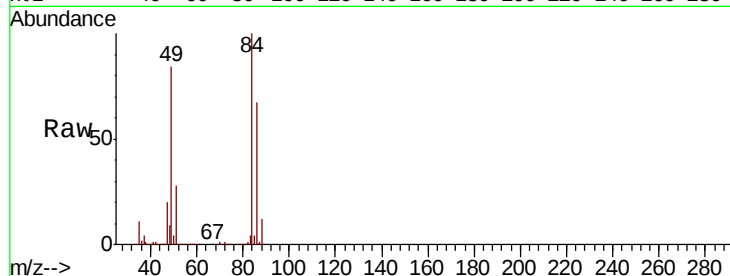
Ion Ratio Lower Upper

84 100

49 83.7 118.6 177.8#

51 27.9 36.4 54.6#

86 66.5 50.2 75.4

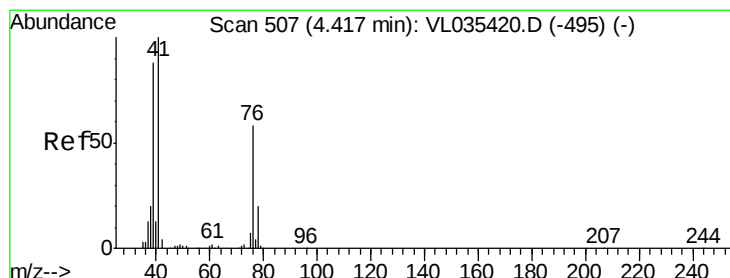
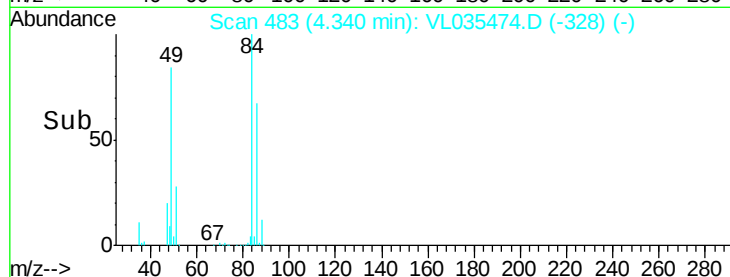
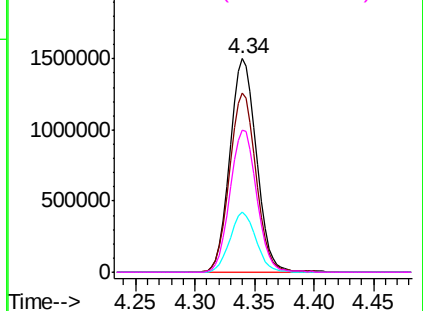


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21

Allyl Chloride

Concen: 0.719 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.07 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

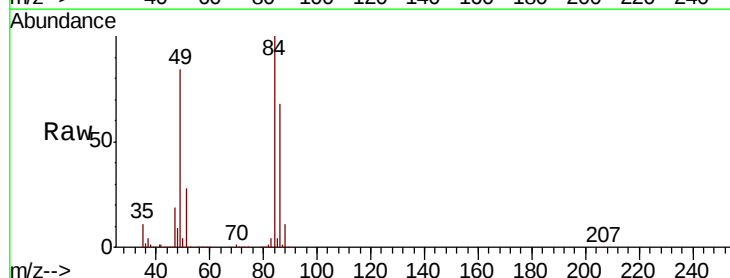
Tgt Ion: 41 Resp: 45347

Ion Ratio Lower Upper

41 100

76 0.0 22.8 34.2#

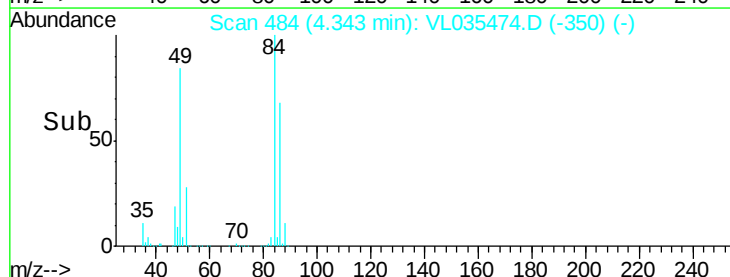
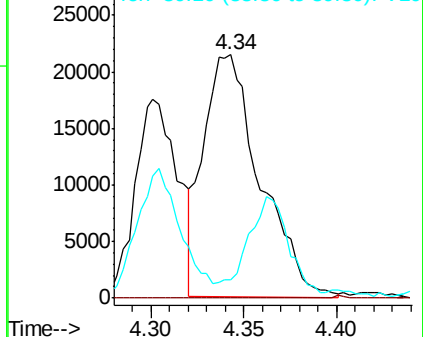
39 30.4 66.2 99.2#

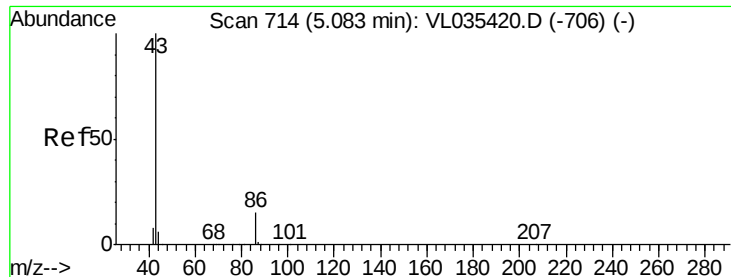


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 1.235 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.01 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

Instrument :

MSVOA_L

ClientSampleId :

SSMP-1

Tot Ion: 43 Resp: 219203

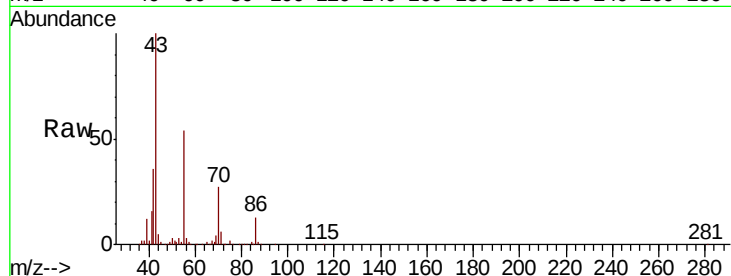
Ion Ratio Lower Upper

43 100

86 12.7 6.5 9.7#

42 35.8 8.3 12.5#

44 3.0 4.0 6.0#

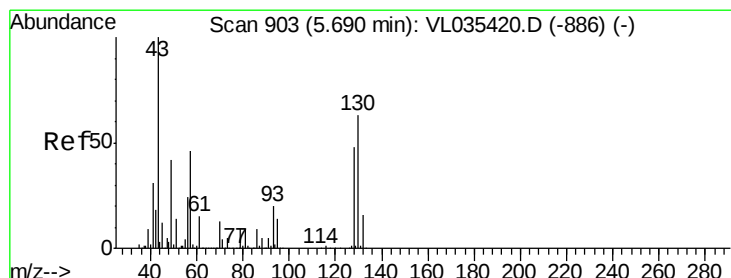
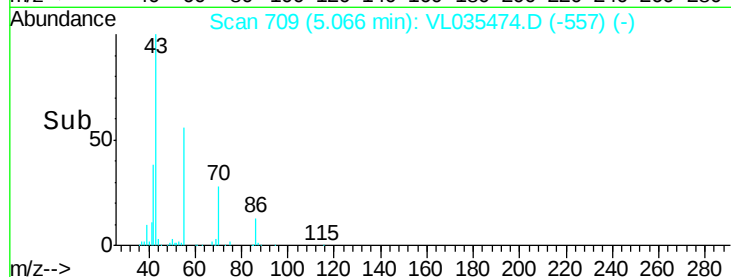
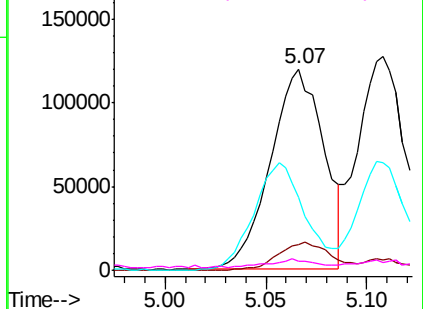


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#25

Ethyl Acetate

Concen: 2.407 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

Tgt Ion: 43 Resp: 581396

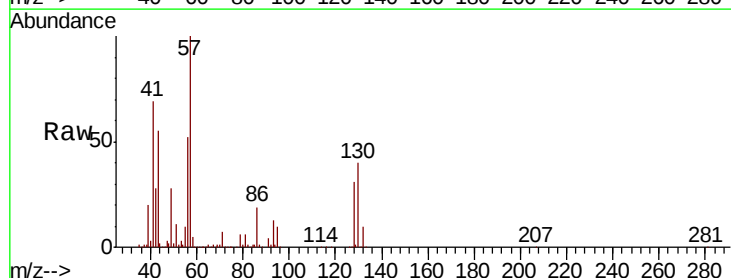
Ion Ratio Lower Upper

43 100

45 0.7 8.3 12.5#

61 0.5 7.6 11.4#

70 2.6 6.0 9.0#

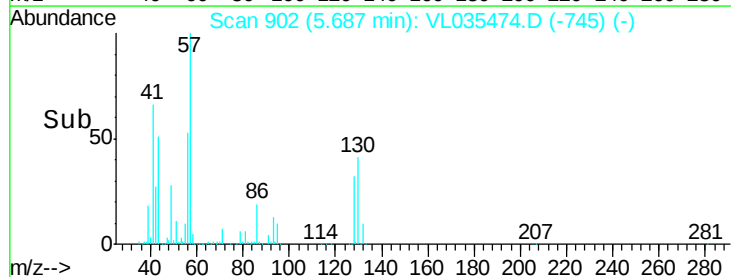
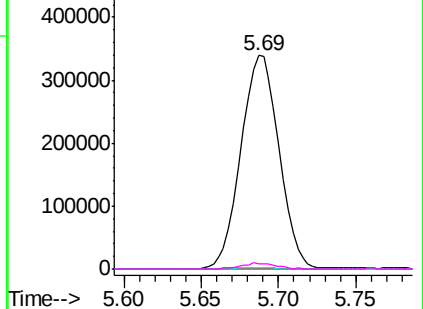


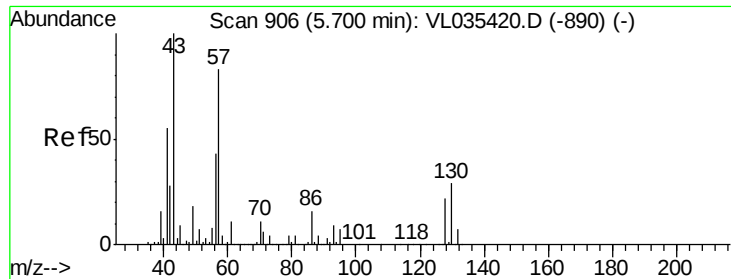
Abundance Ion 43.10 (42.80 to 43.80): VL0

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



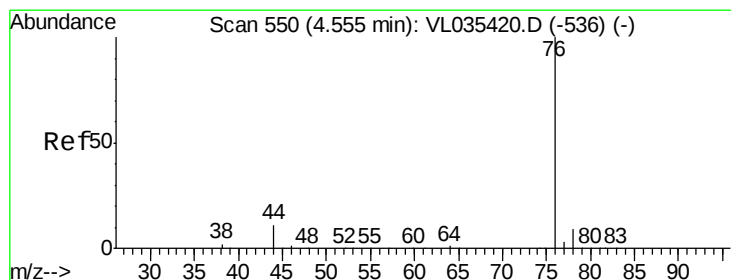
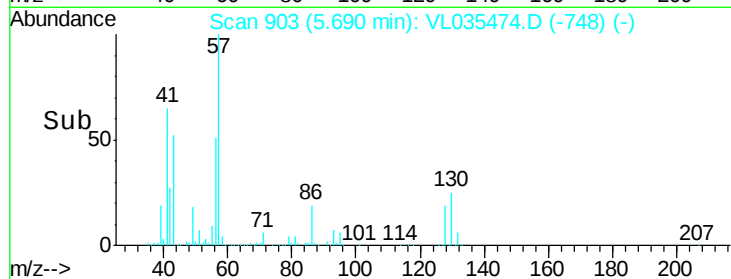
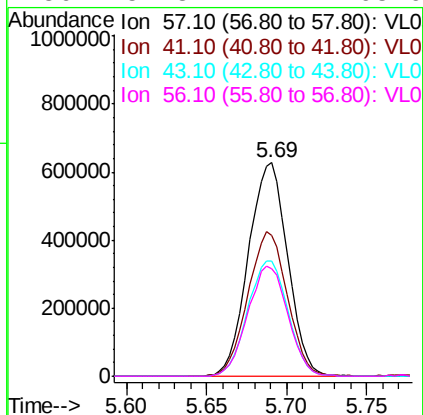
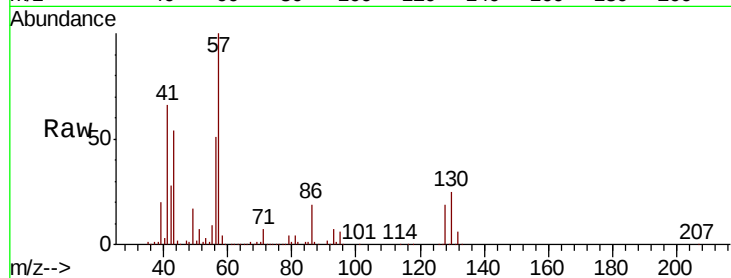


#26
Hexane
Concen: 7.727 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL035474.D
Acq: 20 Aug 2020 14:30

Instrument :
MSVOA_L
ClientSampleId :
SSMP-1

Tot Ion: 57 Resp: 1053479

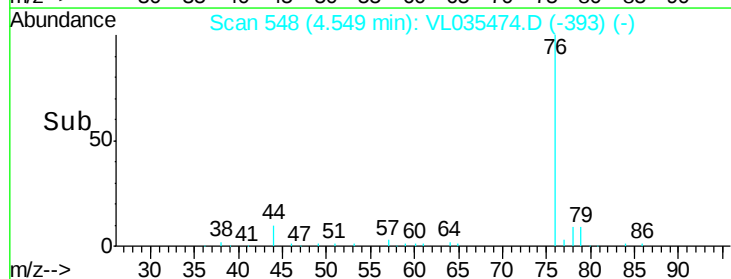
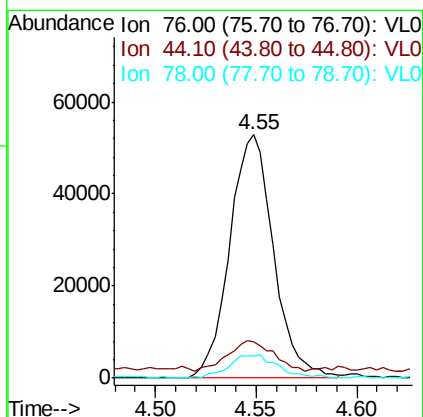
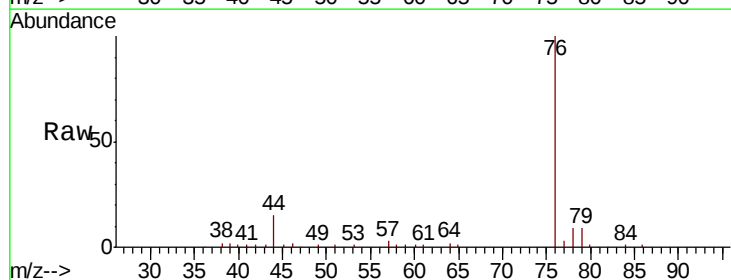
Ion	Ratio	Lower	Upper
57	100		
41	68.3	75.5	113.3#
43	55.7	181.7	272.5#
56	52.8	42.4	63.6

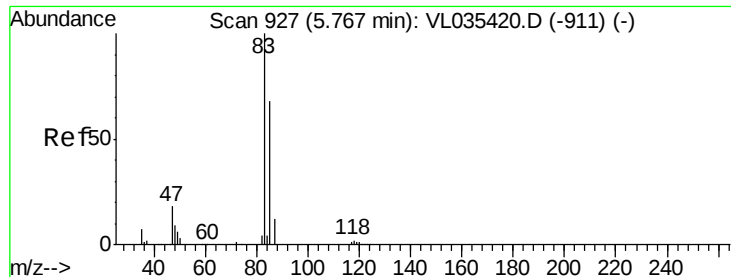


#27
Carbon Disulfide
Concen: 0.408 ppbv
RT: 4.55 min Scan# 548
Delta R.T. -0.00 min
Lab File: VL035474.D
Acq: 20 Aug 2020 14:30

Tgt Ion: 76 Resp: 80498

Ion	Ratio	Lower	Upper
76	100		
44	15.5	16.8	25.2#
78	11.5	7.3	10.9#

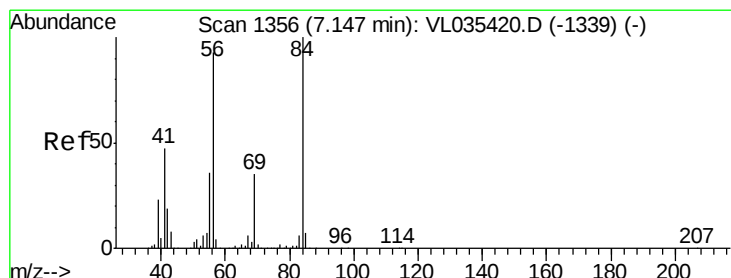
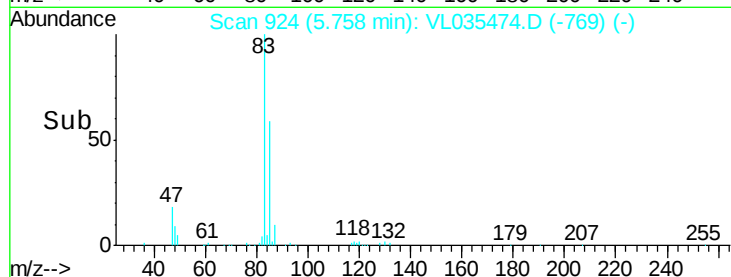
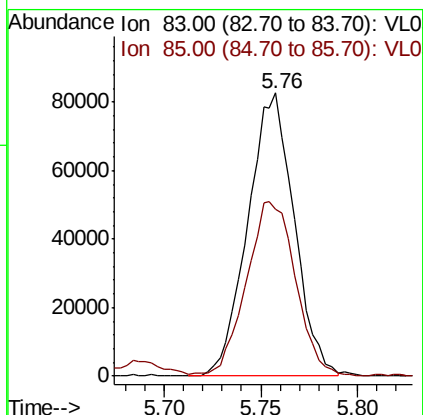
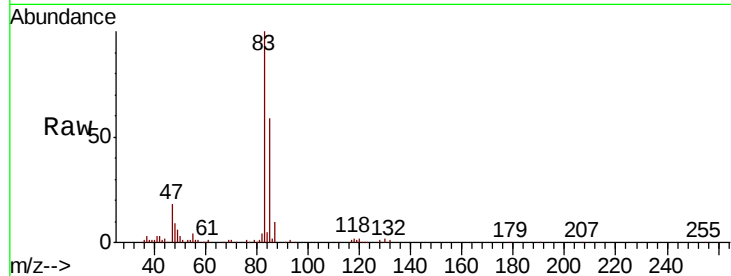




#29
Chloroform
Concen: 0.503 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.00 min
Lab File: VL035474.D
Acq: 20 Aug 2020 14:30

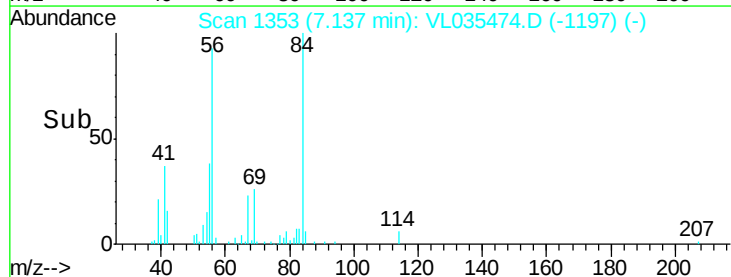
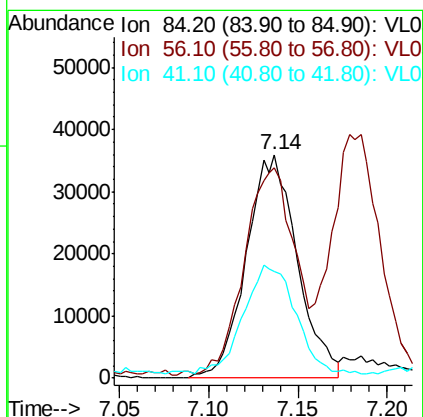
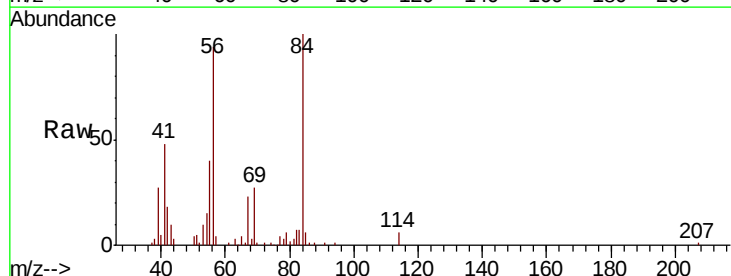
Instrument :
MSVOA_L
ClientSampleId :
SSMP-1

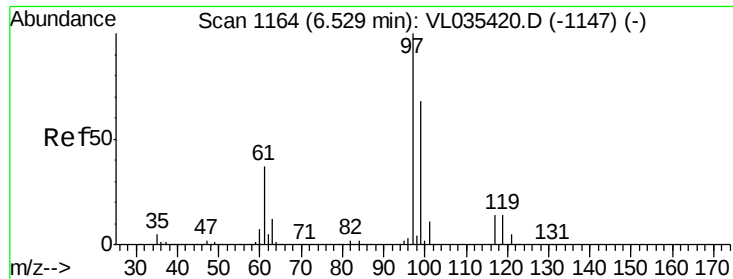
Tot Ion: 83 Resp: 137687
Ion Ratio Lower Upper
83 100
85 58.3 52.7 79.1



#30
Cyclohexane
Concen: 0.475 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL035474.D
Acq: 20 Aug 2020 14:30

Tgt Ion: 84 Resp: 71788
Ion Ratio Lower Upper
84 100
56 96.6 114.9 172.3#
41 50.2 72.3 108.5#





#32

1,1,1-Trichloroethane

Concen: 0.071 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

Instrument :

MSVOA_L

ClientSampleId :

SSMP-1

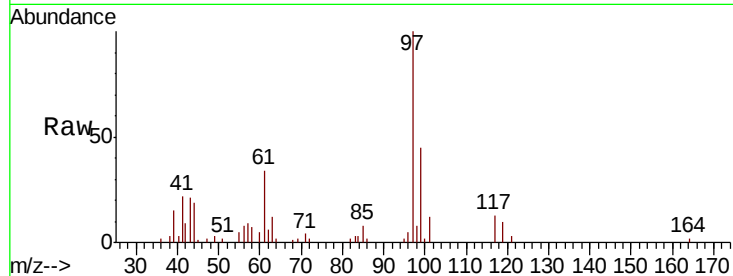
Tot Ion: 97 Resp: 18278

Ion Ratio Lower Upper

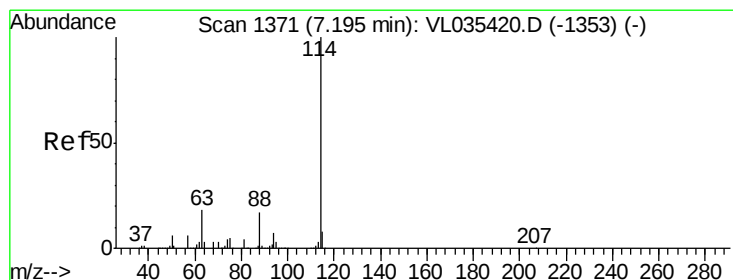
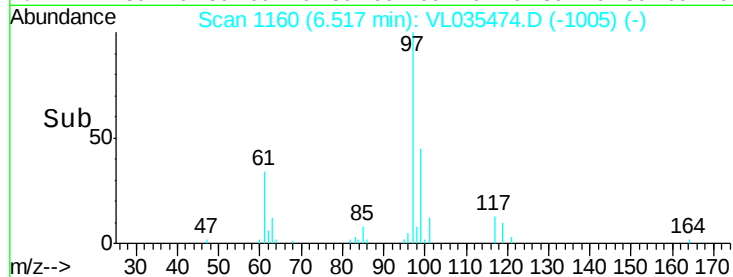
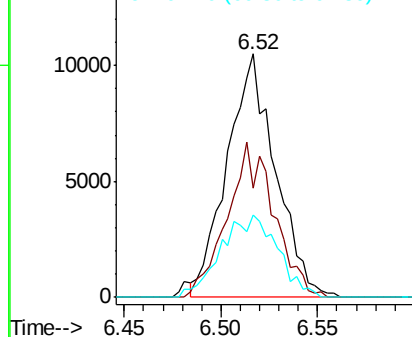
97 100

99 61.5 51.4 77.0

61 39.5 41.0 61.6#



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

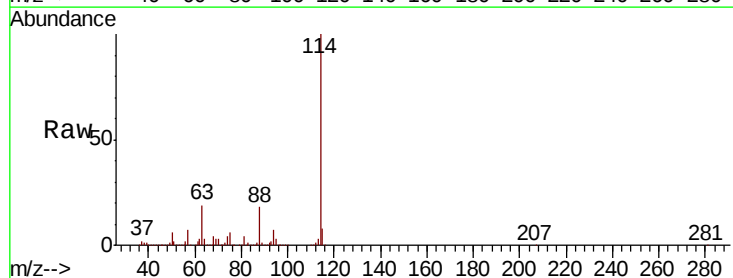
Tgt Ion: 114 Resp: 4844034

Ion Ratio Lower Upper

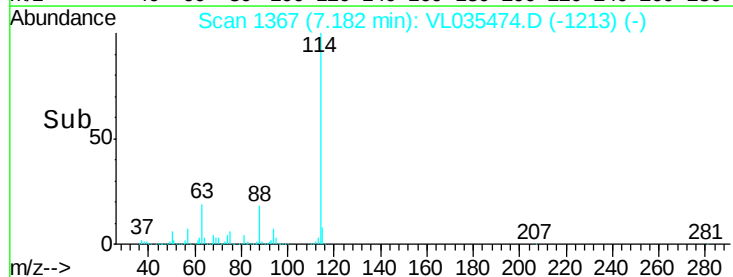
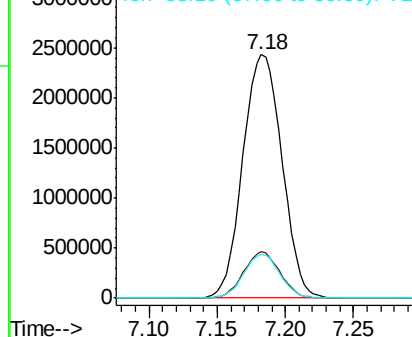
114 100

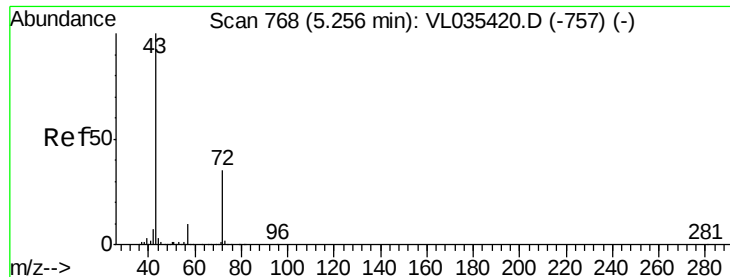
63 17.8 23.1 34.7#

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

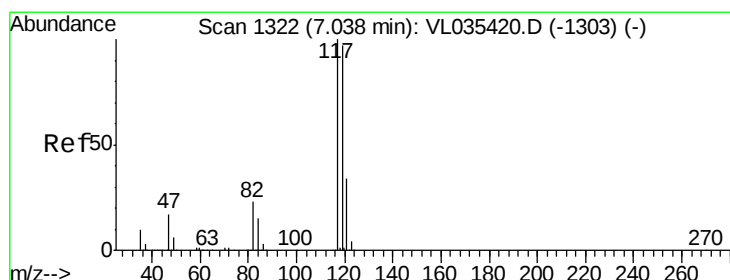
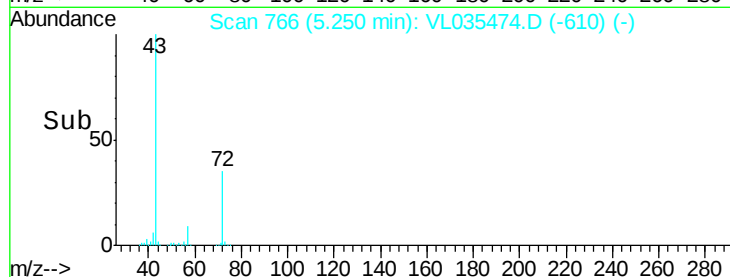
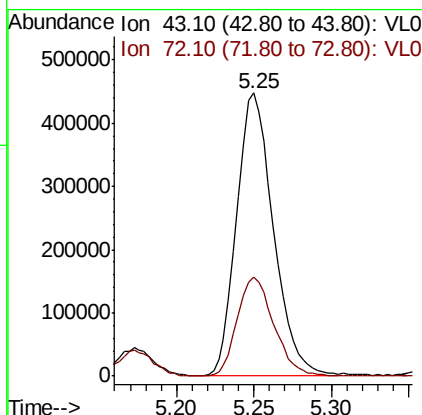
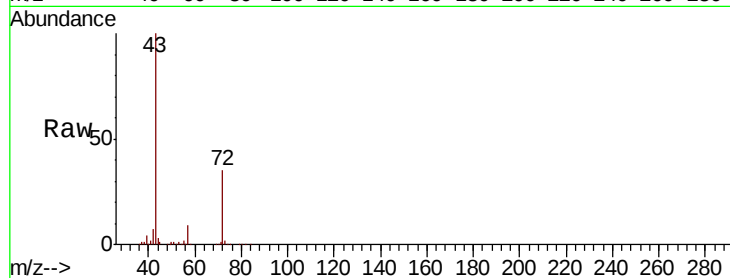




#34
2-Butanone
Concen: 4.552 ppbv
RT: 5.25 min Scan# 766
Delta R.T. -0.00 min
Lab File: VL035474.D
Acq: 20 Aug 2020 14:30

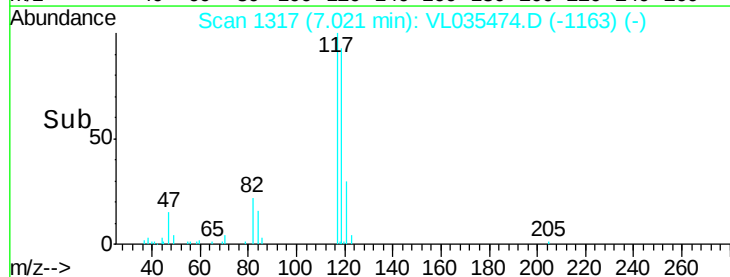
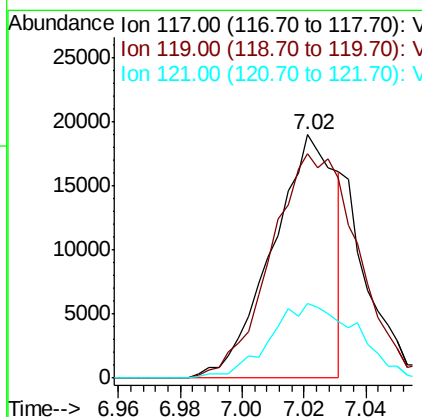
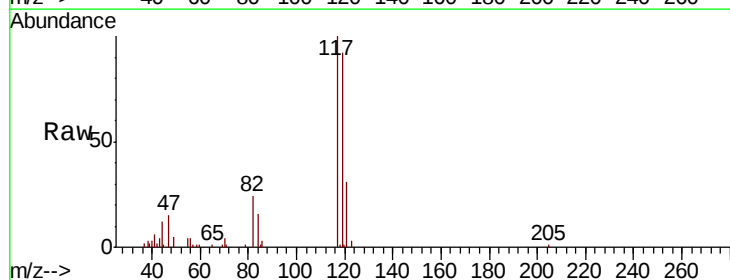
Instrument :
MSVOA_L
ClientSampleId :
SSMP-1

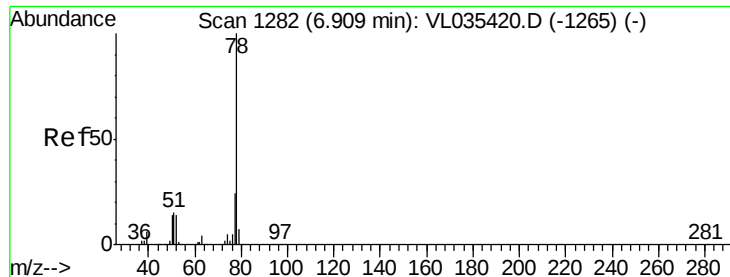
Tot Ion: 43 Resp: 736637
Ion Ratio Lower Upper
43 100
72 35.0 17.6 26.4#



#35
Carbon Tetrachloride
Concen: 0.104 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VL035474.D
Acq: 20 Aug 2020 14:30

Tgt Ion: 117 Resp: 26872
Ion Ratio Lower Upper
117 100
119 92.3 76.1 114.1
121 30.9 25.5 38.3





#36

Benzene

Concen: 0.796 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

Instrument :

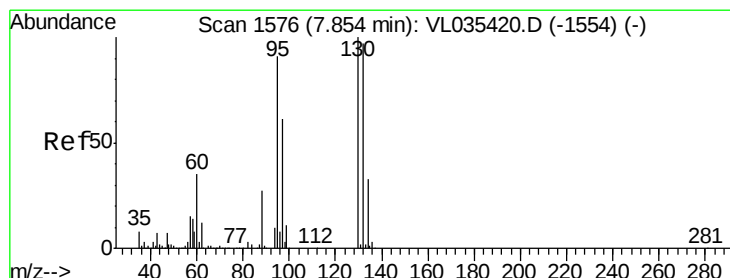
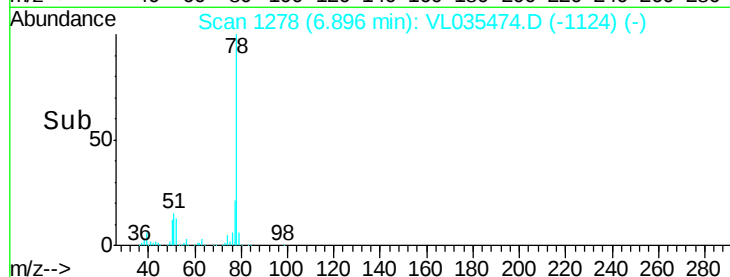
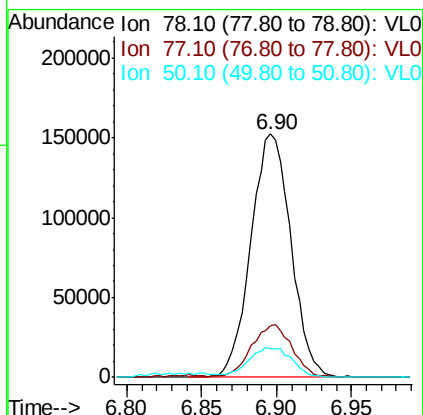
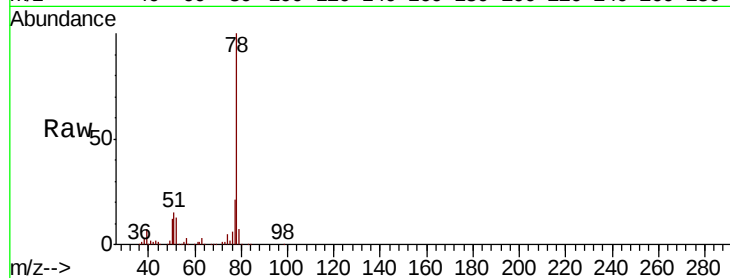
MSVOA_L

ClientSampleId :

SSMP-1

Tot Ion: 78 Resp: 283069

Ion	Ratio	Lower	Upper
78	100		
77	20.8	19.6	29.4
50	11.7	16.3	24.5#



#38

Trichloroethene

Concen: 50.661 ppbv

RT: 7.84 min Scan# 1573

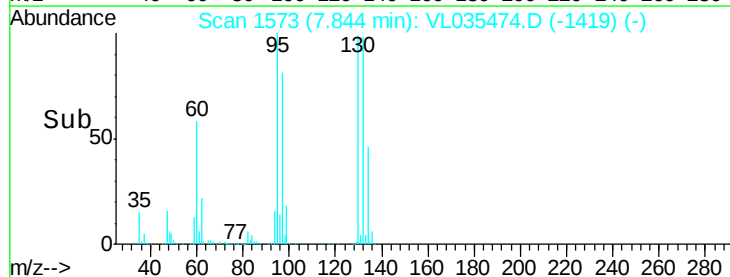
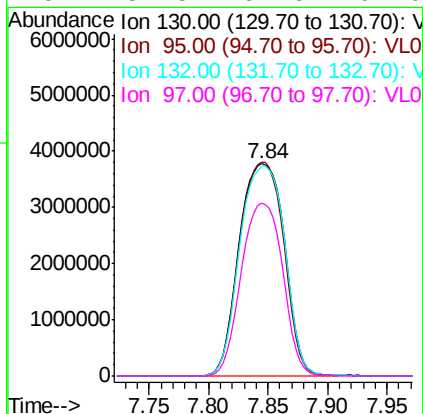
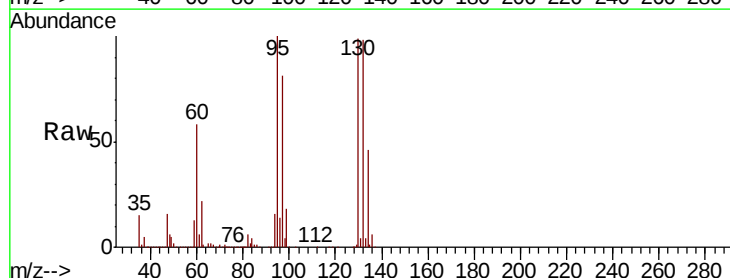
Delta R.T. -0.01 min

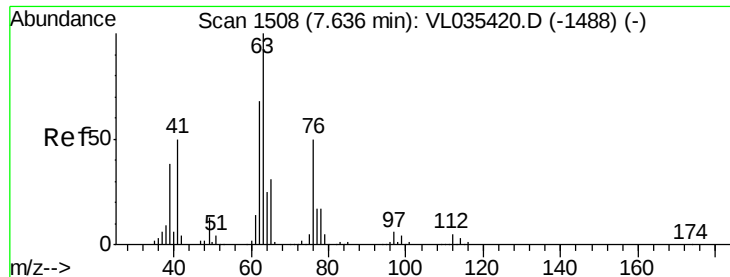
Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

Tgt Ion: 130 Resp: 10019046

Ion	Ratio	Lower	Upper
130	100		
95	100.7	95.8	143.8
132	98.8	74.3	111.5
97	81.5	62.6	94.0





#39

1,2-Dichloropropane

Concen: 0.339 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.22 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

Instrument :

MSVOA_L

ClientSampleId :

SSMP-1

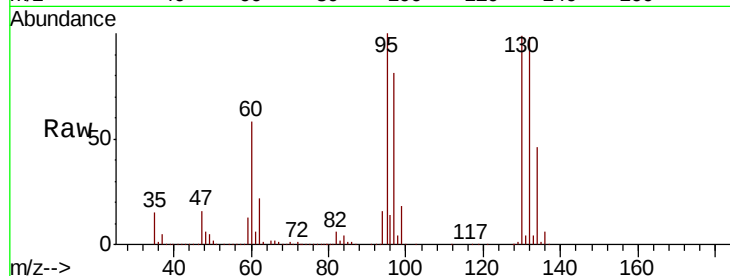
Tot Ion: 63 Resp: 39714

Ion Ratio Lower Upper

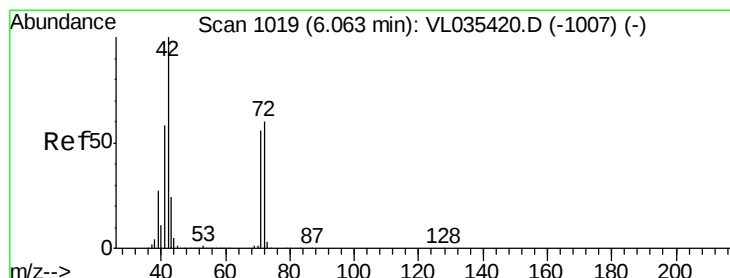
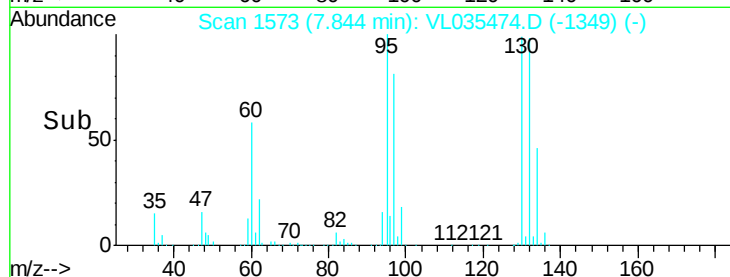
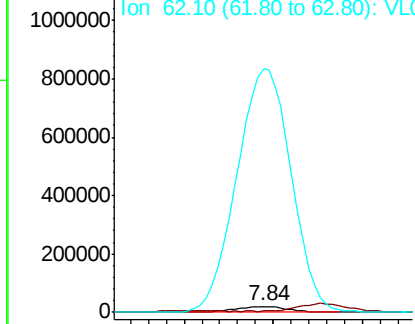
63 100

41 0.0 61.1 91.7#

62 4280.7 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: 1.705 ppbv

RT: 6.06 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

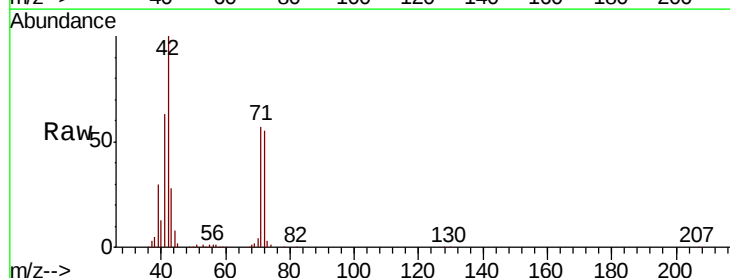
Tgt Ion: 42 Resp: 152253

Ion Ratio Lower Upper

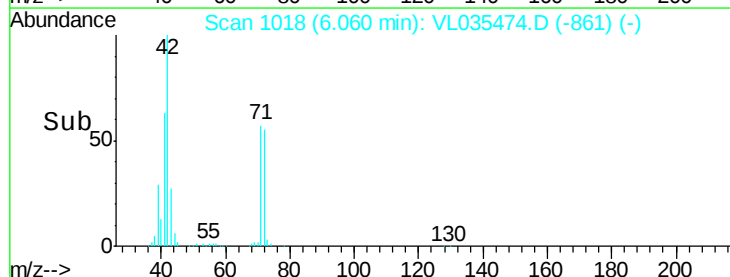
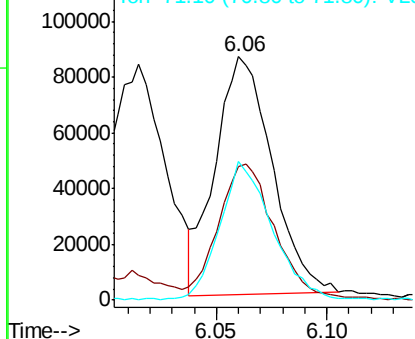
42 100

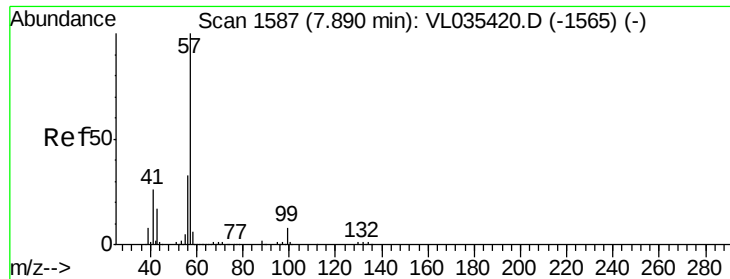
72 57.8 29.4 44.2#

71 54.4 28.9 43.3#



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.423 ppbv

RT: 7.88 min Scan# 1583

Delta R.T. -0.01 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

Instrument :

MSVOA_L

ClientSampleId :

SSMP-1

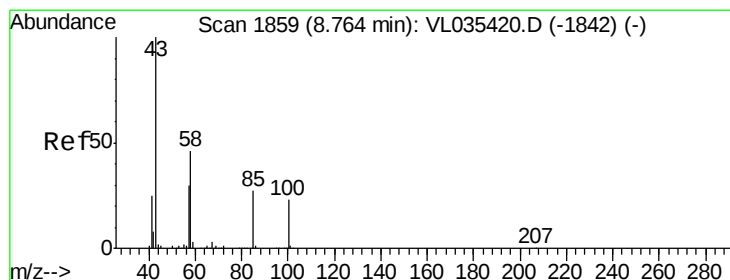
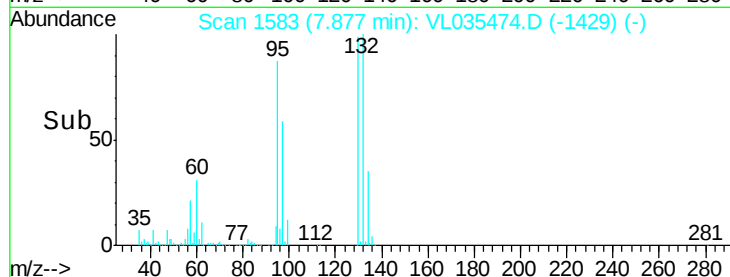
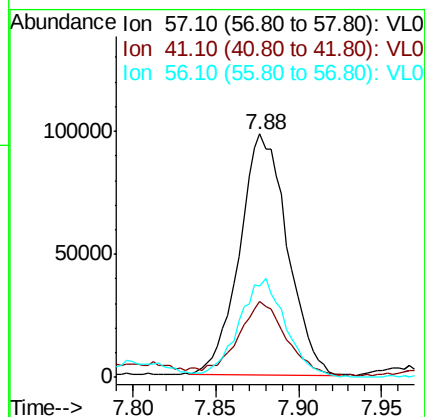
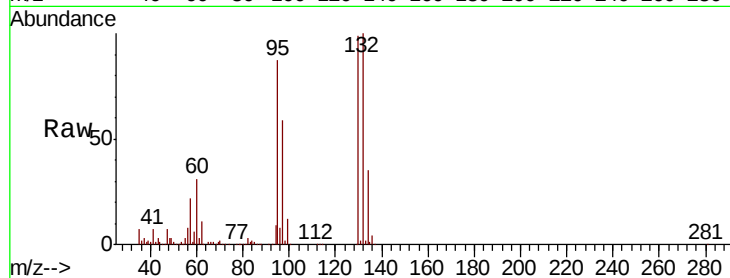
Tot Ion: 57 Resp: 196580

Ion Ratio Lower Upper

57 100

41 33.3 27.2 40.8

56 39.6 25.4 38.0#



#50

4-Methyl-2-Pentanone

Concen: 1.647 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VL035474.D

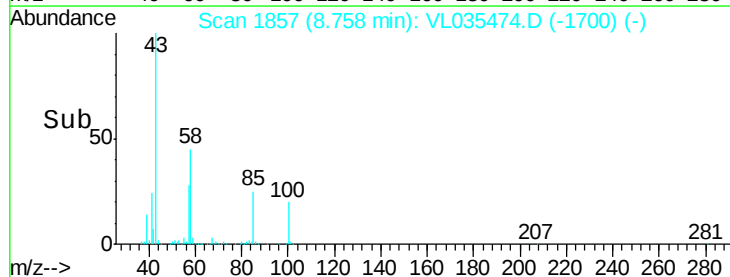
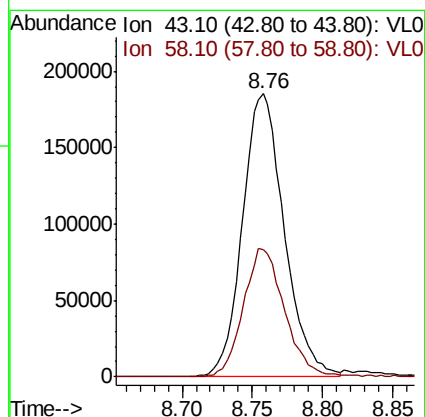
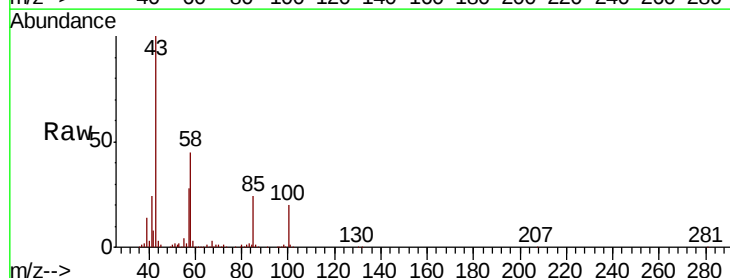
Acq: 20 Aug 2020 14:30

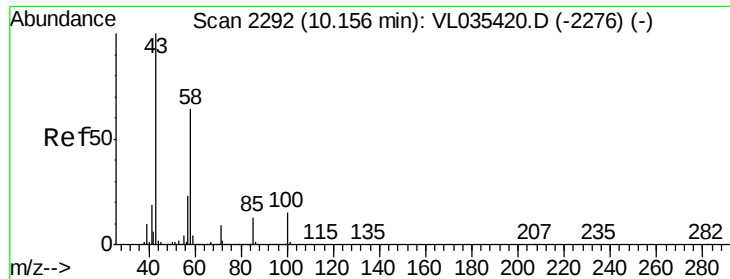
Tgt Ion: 43 Resp: 382348

Ion Ratio Lower Upper

43 100

58 45.2 28.7 43.1#





#51

2-Hexanone

Concen: 0.399 ppbv

RT: 10.15 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

Instrument :

MSVOA_L

ClientSampleId :

SSMP-1

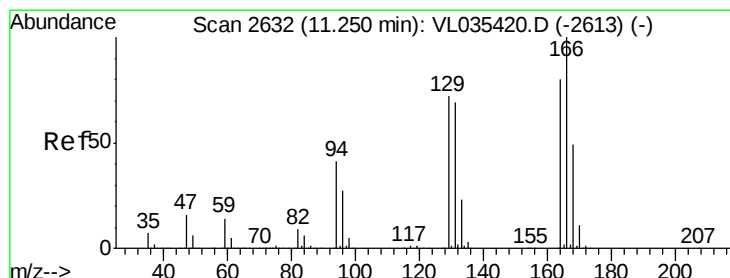
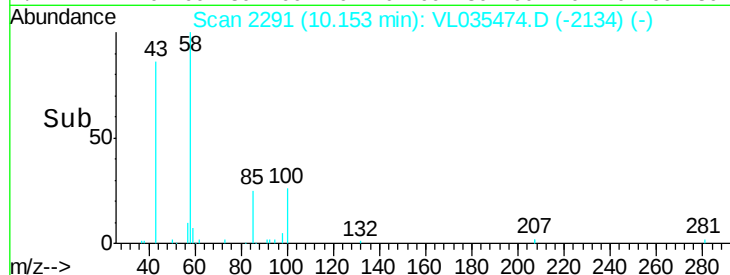
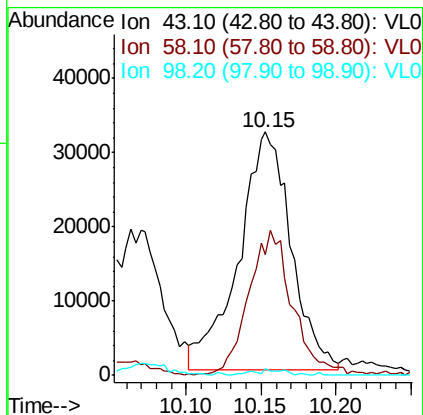
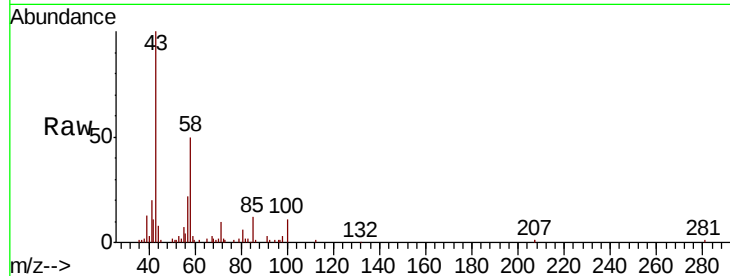
Tot Ion: 43 Resp: 78000

Ion Ratio Lower Upper

43 100

58 52.0 38.6 58.0

98 1.8 0.2 0.2#



#52

Tetrachloroethene

Concen: 39.239 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. 0.00 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

Tgt Ion: 164 Resp: 8509434

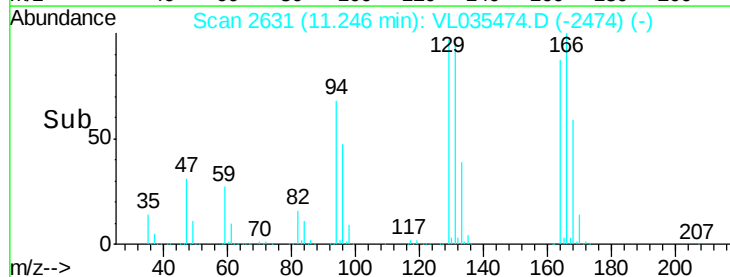
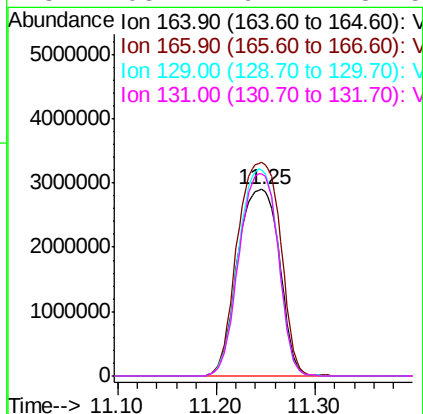
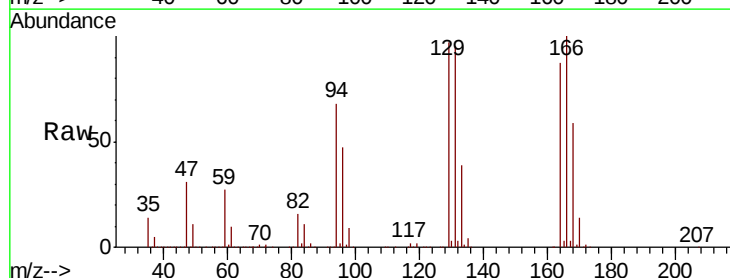
Ion Ratio Lower Upper

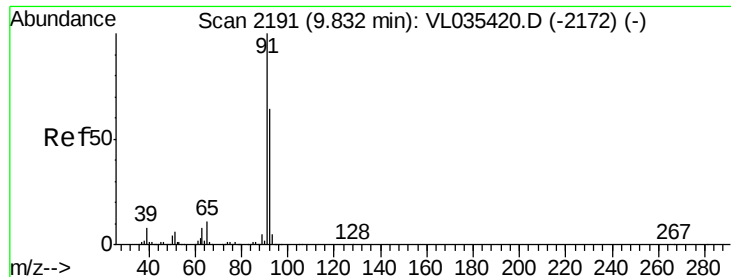
164 100

166 114.4 103.4 155.0

129 110.4 90.2 135.4

131 108.4 91.7 137.5





#53

Toluene

Concen: 5.968 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

Instrument :

MSVOA_L

ClientSampleId :

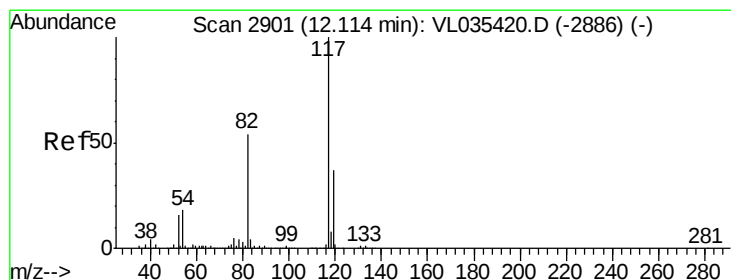
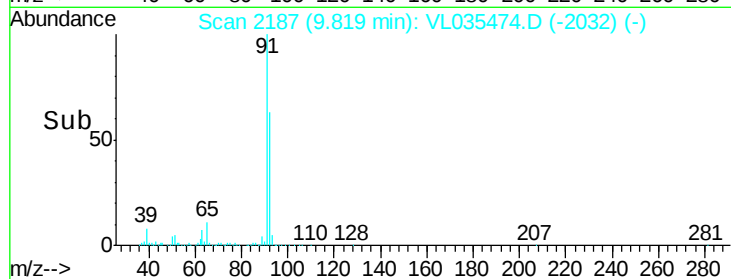
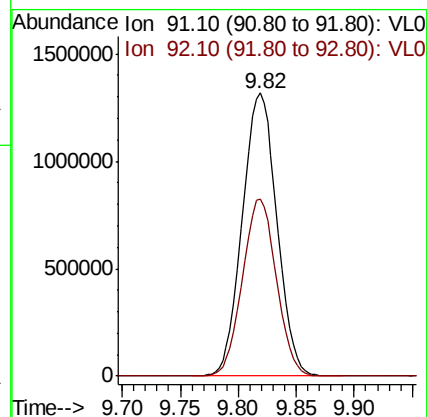
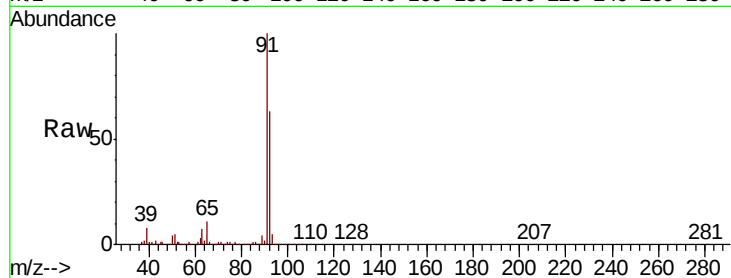
SSMP-1

Tot Ion: 91 Resp: 2732646

Ion Ratio Lower Upper

91 100

92 61.5 49.1 73.7



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.01 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

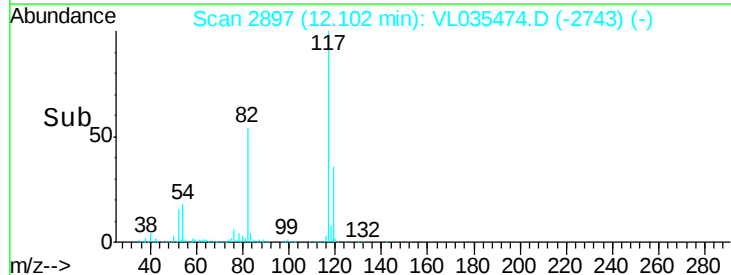
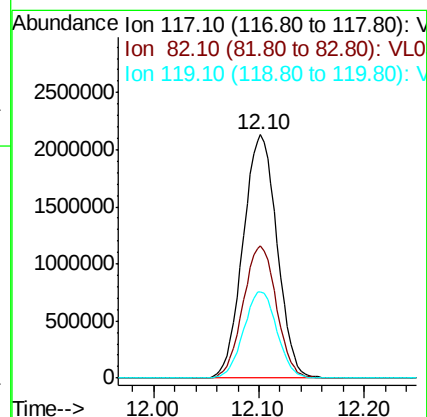
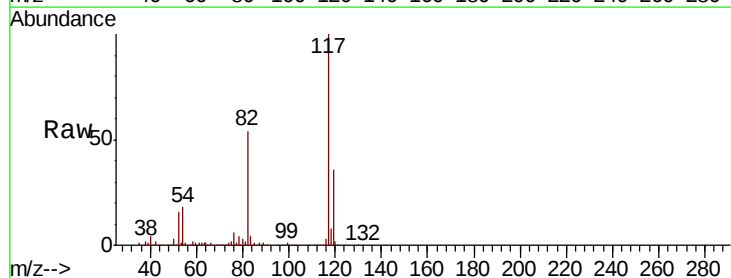
Tgt Ion: 117 Resp: 4778254

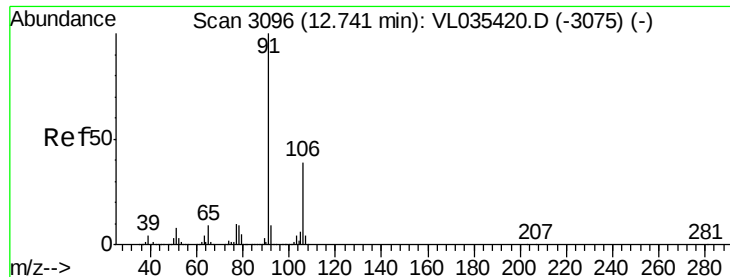
Ion Ratio Lower Upper

117 100

82 53.3 57.4 86.0#

119 34.8 28.4 42.6





#58

Ethyl Benzene

Concen: 0.909 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. -0.00 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

Instrument :

MSVOA_L

ClientSampled :

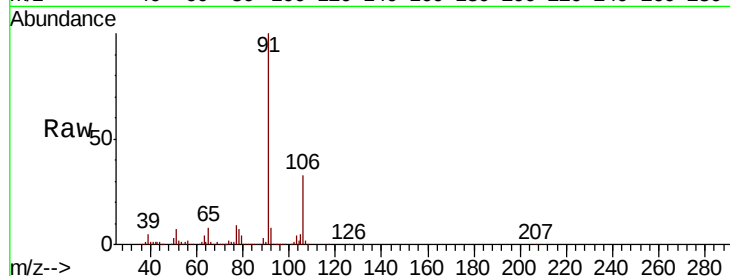
SSMP-1

Tot Ion: 91 Resp: 524178

Ion Ratio Lower Upper

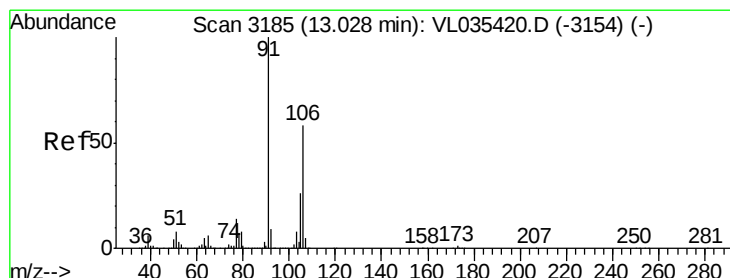
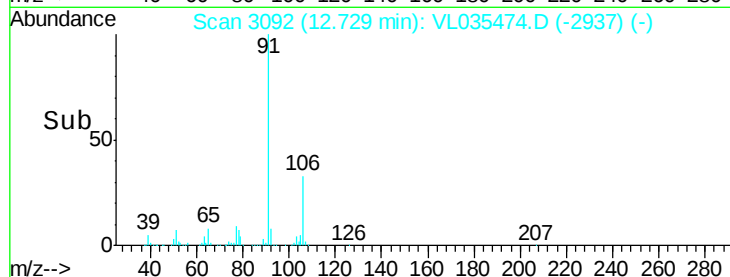
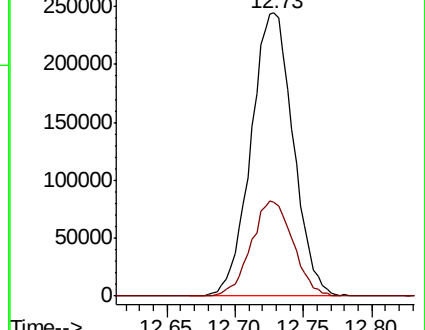
91 100

106 33.3 24.1 36.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 3.584 ppbv

RT: 12.98 min Scan# 3171

Delta R.T. -0.04 min

Lab File: VL035474.D

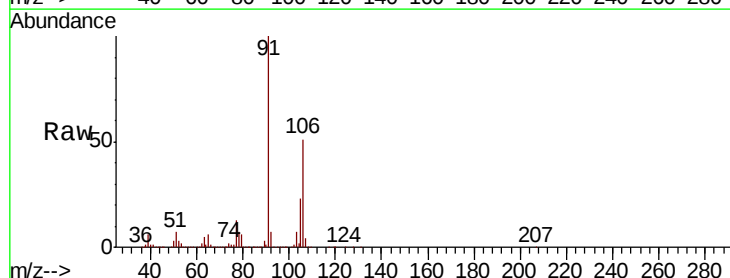
Acq: 20 Aug 2020 14:30

Tgt Ion: 91 Resp: 1747483

Ion Ratio Lower Upper

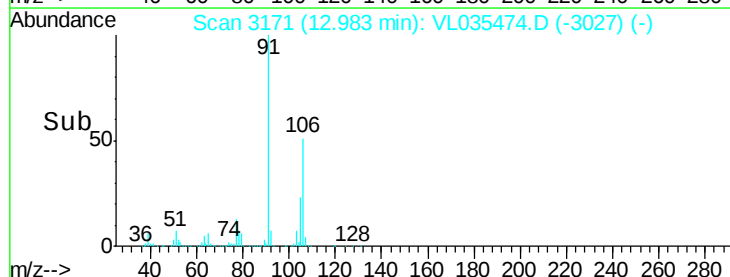
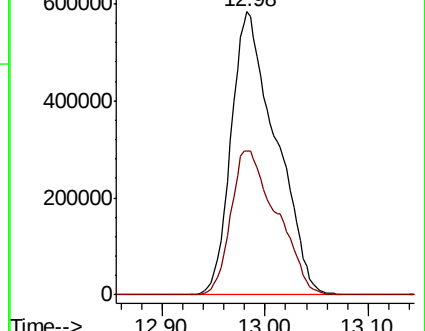
91 100

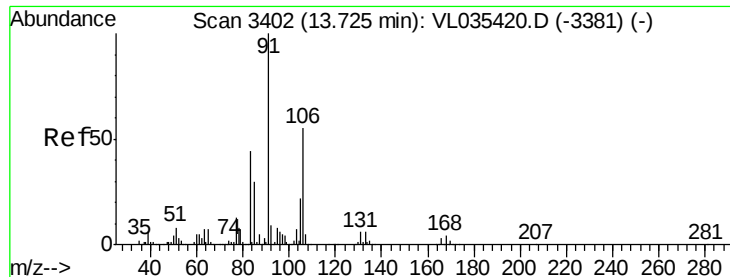
106 52.9 34.0 51.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

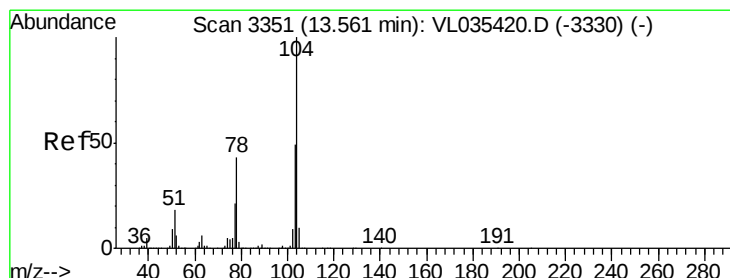
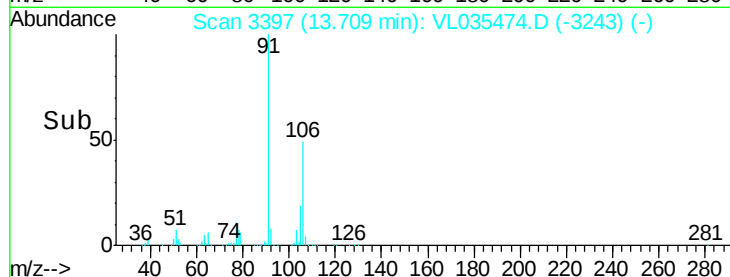
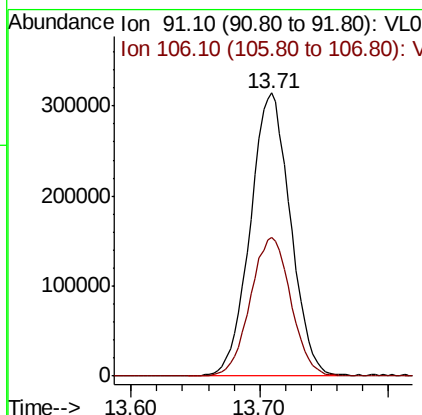
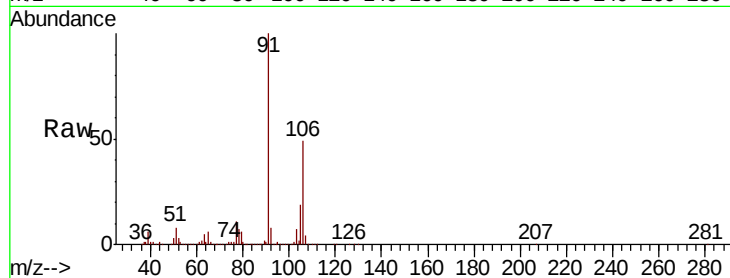




#60
o-Xylene
Concen: 1.439 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. -0.01 min
Lab File: VL035474.D
Acq: 20 Aug 2020 14:30

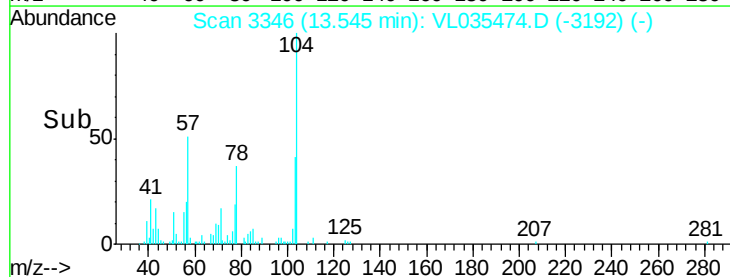
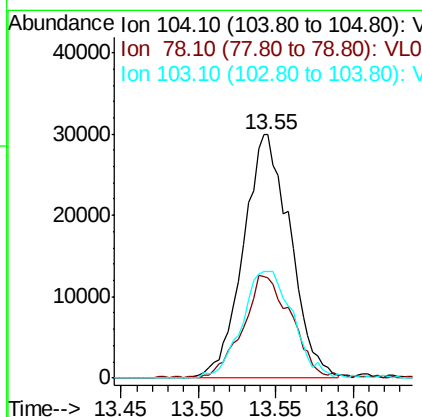
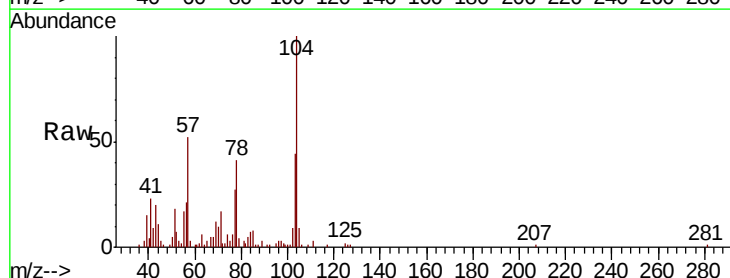
Instrument :
MSVOA_L
ClientSampleId :
SSMP-1

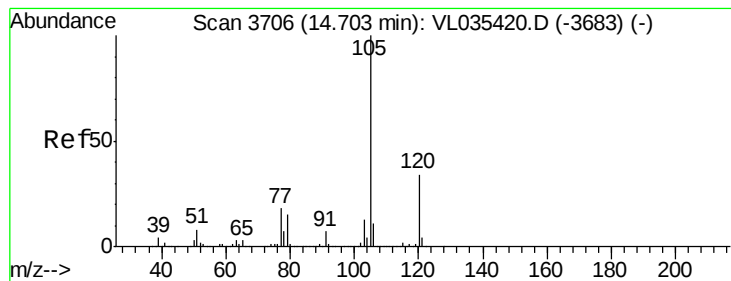
Tot Ion: 91 Resp: 681797
Ion Ratio Lower Upper
91 100
106 49.6 21.8 65.3



#61
Styrene
Concen: 0.165 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. -0.01 min
Lab File: VL035474.D
Acq: 20 Aug 2020 14:30

Tgt Ion:104 Resp: 63222
Ion Ratio Lower Upper
104 100
78 44.5 45.4 68.2#
103 47.5 37.8 56.8





#62

Isopropylbenzene

Concen: 0.082 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. -0.01 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

Instrument :

MSVOA_L

ClientSampleId :

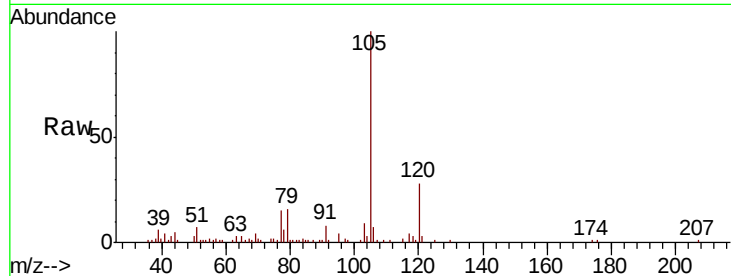
SSMP-1

Tot Ion:105 Resp: 63996

Ion Ratio Lower Upper

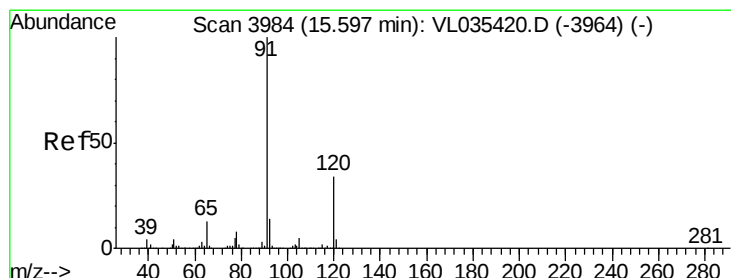
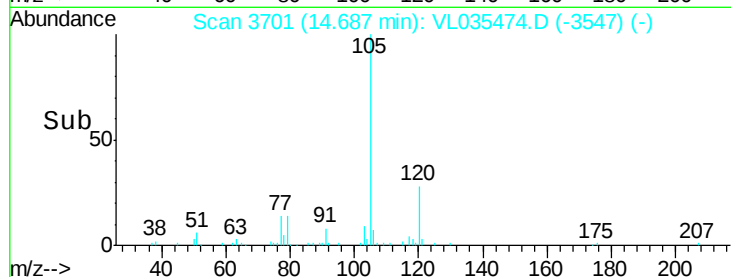
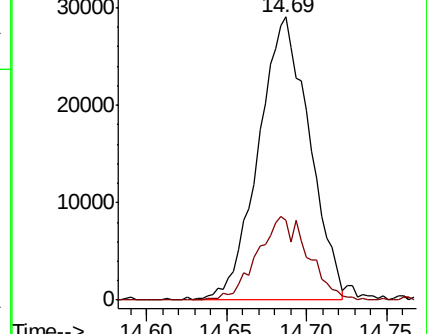
105 100

120 29.3 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: 0.340 ppbv

RT: 15.58 min Scan# 3978

Delta R.T. -0.01 min

Lab File: VL035474.D

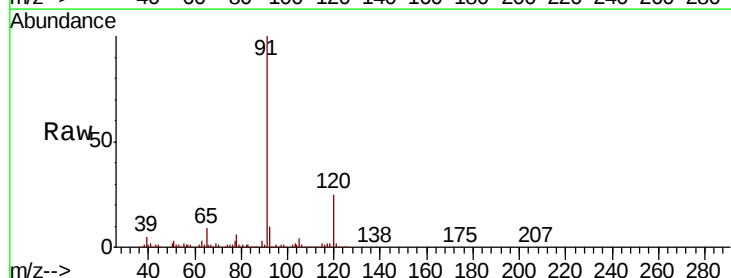
Acq: 20 Aug 2020 14:30

Tgt Ion:120 Resp: 81479

Ion Ratio Lower Upper

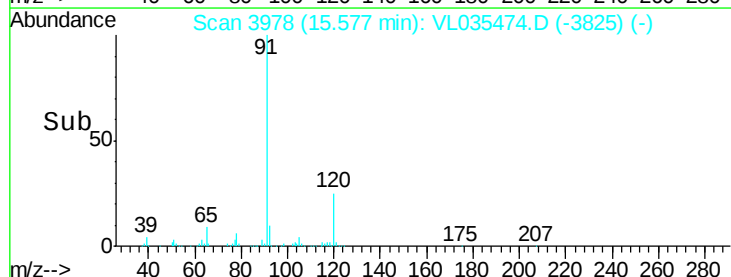
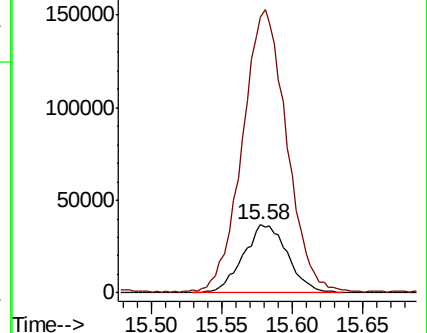
120 100

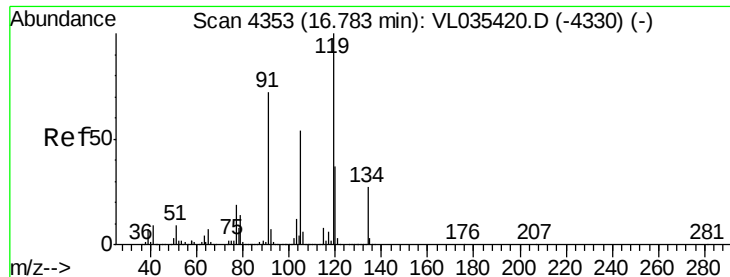
91 410.3 385.5 578.3



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.366 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

Instrument :

MSVOA_L

ClientSampleId :

SSMP-1

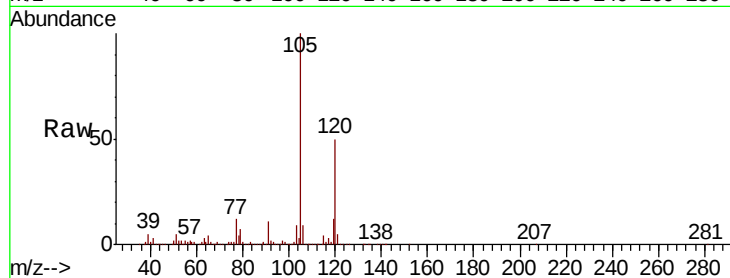
Tot Ion:119 Resp: 276385

Ion Ratio Lower Upper

119 100

91 85.5 72.0 108.0

134 0.8 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

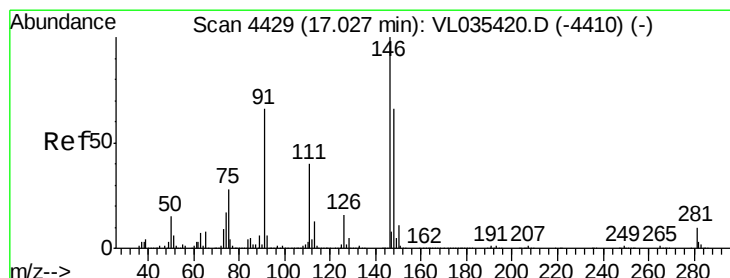
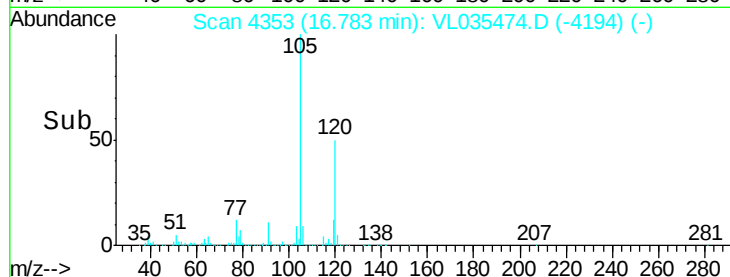
16.78

100000

50000

0

Time-->



#66

Benzyl Chloride

Concen: 0.157 ppbv

RT: 17.24 min Scan# 4494

Delta R.T. 0.22 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

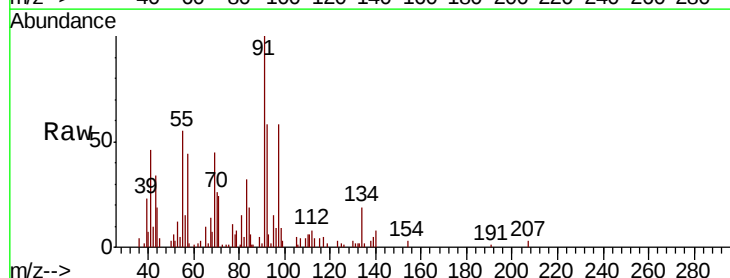
Tgt Ion: 91 Resp: 28542

Ion Ratio Lower Upper

91 100

126 5.3 13.3 19.9#

128 1.1 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

17.24

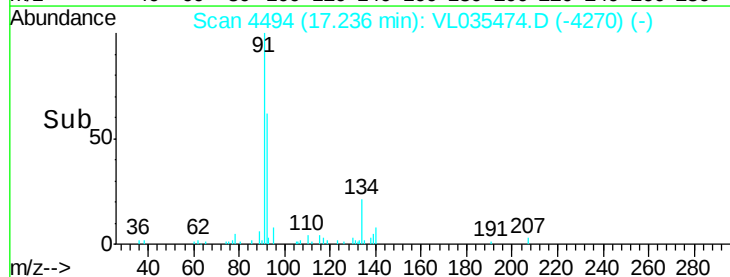
15000

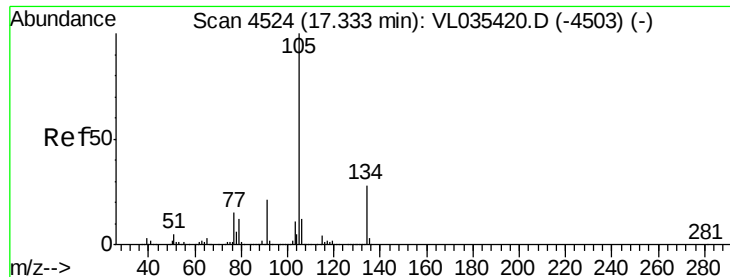
10000

5000

0

Time-->





#67

sec-Butylbenzene

Concen: 0.073 ppbv

RT: 17.31 min Scan# 4518

Delta R.T. -0.01 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

Instrument :

MSVOA_L

ClientSampleId :

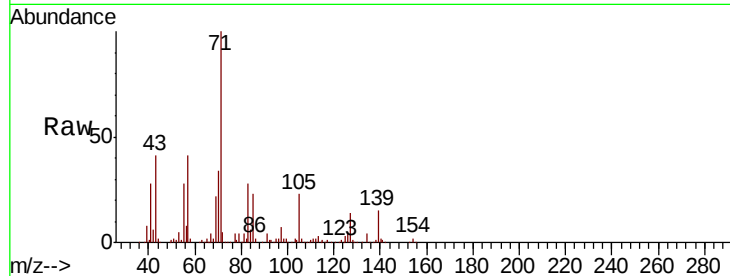
SSMP-1

Tot Ion: 105 Resp: 72098

Ion Ratio Lower Upper

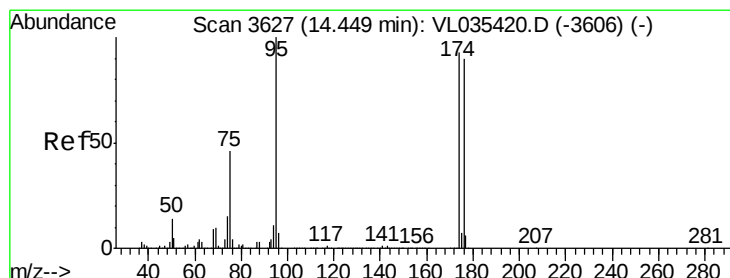
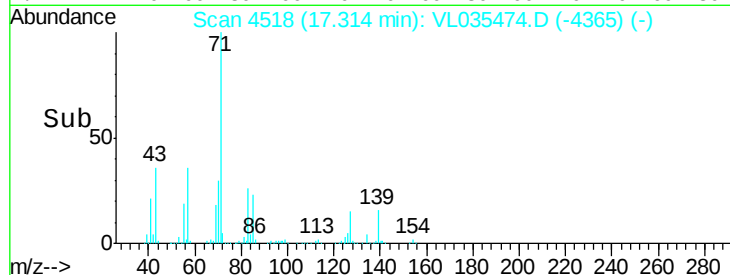
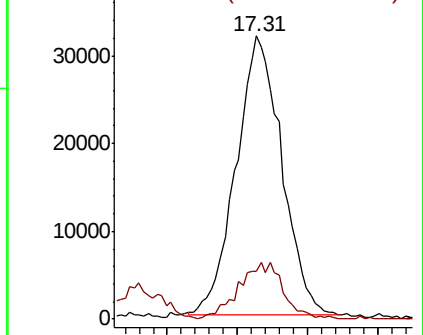
105 100

134 19.8 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: 10.336 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

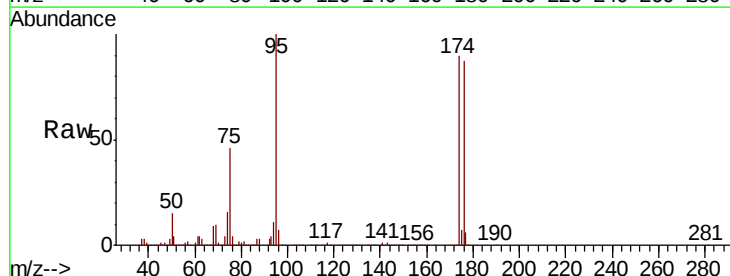
Tgt Ion: 95 Resp: 3457505

Ion Ratio Lower Upper

95 100

174 90.1 44.0 66.0#

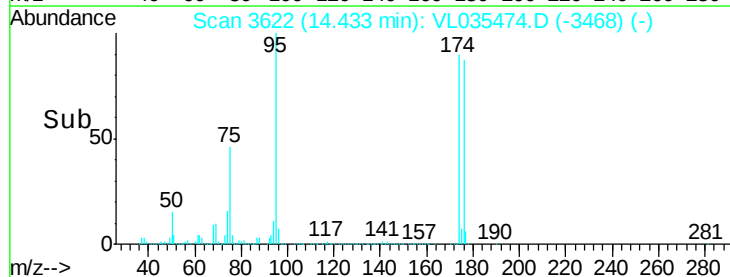
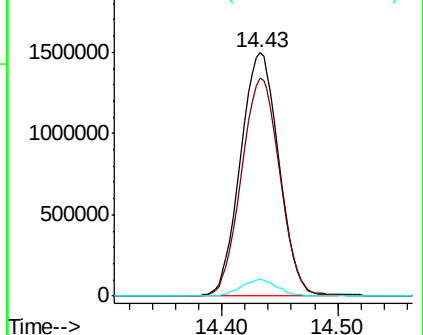
175 6.6 3.2 4.8#

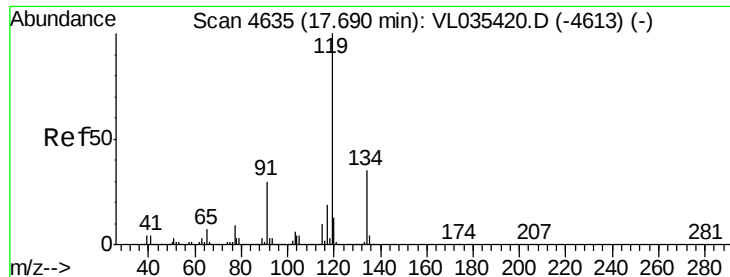


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

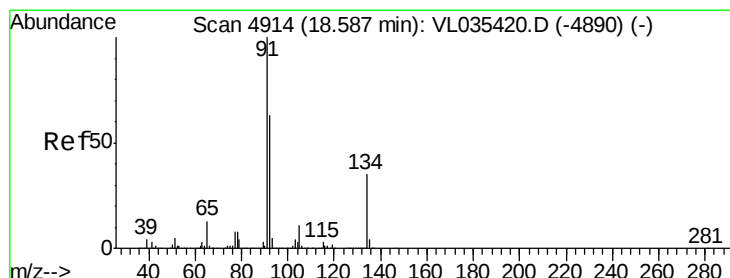
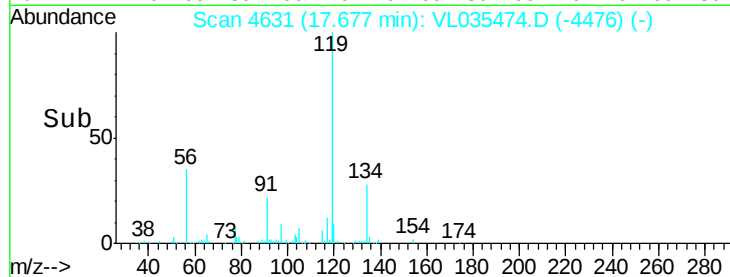
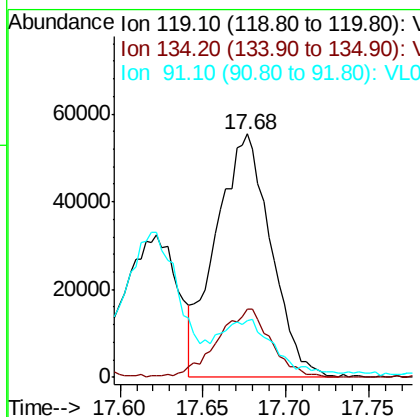
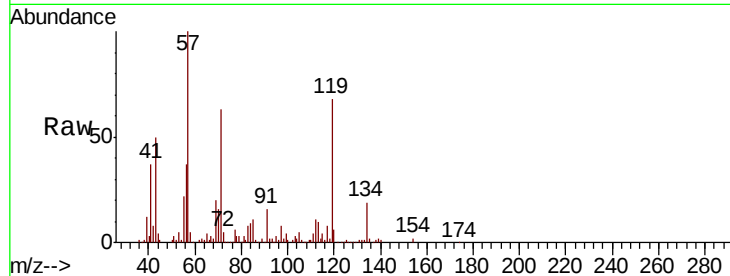




#69
 p-Isopropyltoluene
 Concen: 0.144 ppbv
 RT: 17.68 min Scan# 4631
 Delta R.T. -0.00 min
 Lab File: VL035474.D
 Acq: 20 Aug 2020 14:30

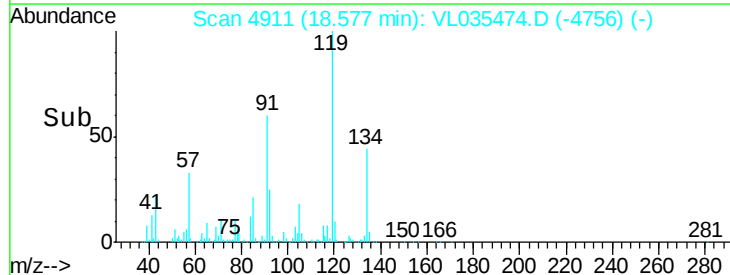
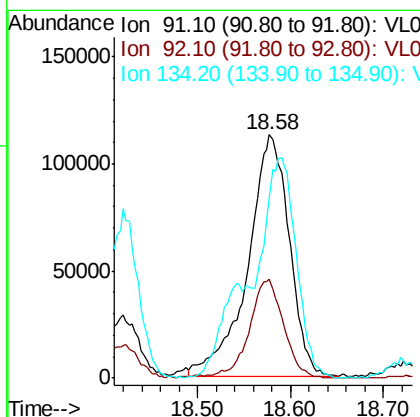
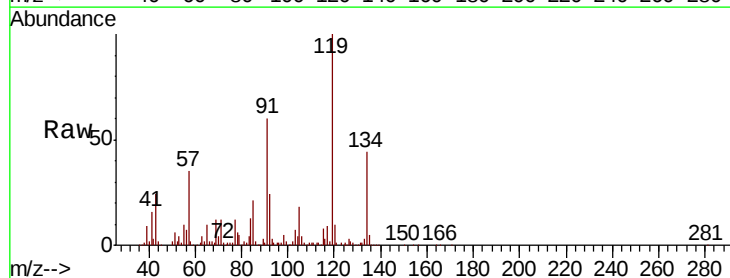
Instrument :
 MSVOA_L
 ClientSampled :
 SSMP-1

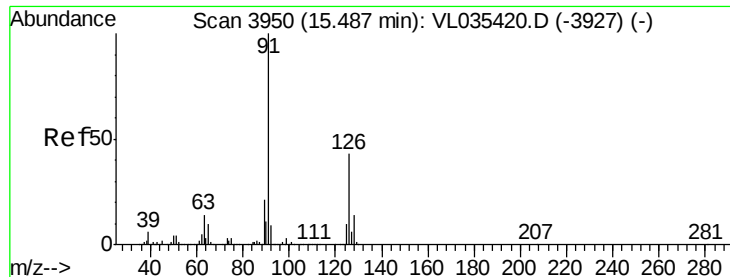
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.6	20.6	30.8
91	21.6	26.6	39.8#



#70
 n-Butylbenzene
 Concen: 0.419 ppbv
 RT: 18.58 min Scan# 4911
 Delta R.T. -0.00 min
 Lab File: VL035474.D
 Acq: 20 Aug 2020 14:30

Tgt Ion	Ratio	Lower	Upper
91	100		
92	34.6	44.8	67.2#
134	101.8	17.3	25.9#

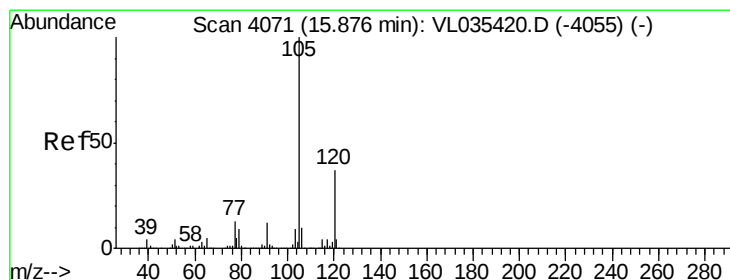
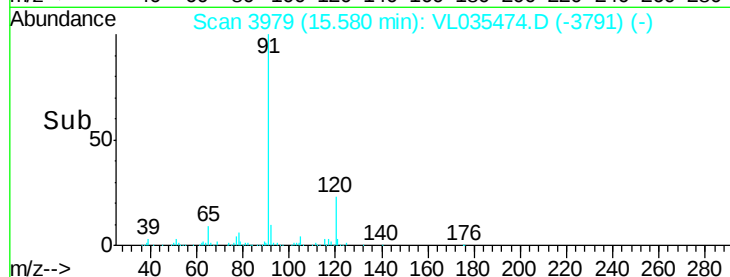
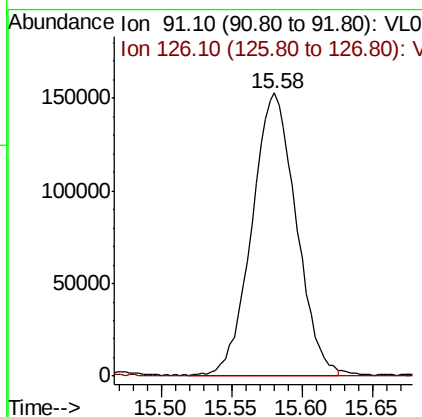
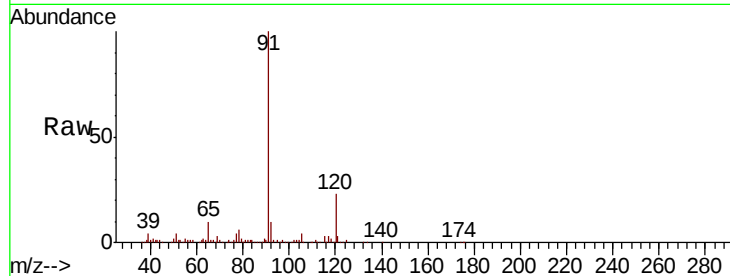




#71
 2-Chlorotoluene
 Concen: 0.591 ppbv
 RT: 15.58 min Scan# 3979
 Delta R.T. 0.10 min
 Lab File: VL035474.D
 Acq: 20 Aug 2020 14:30

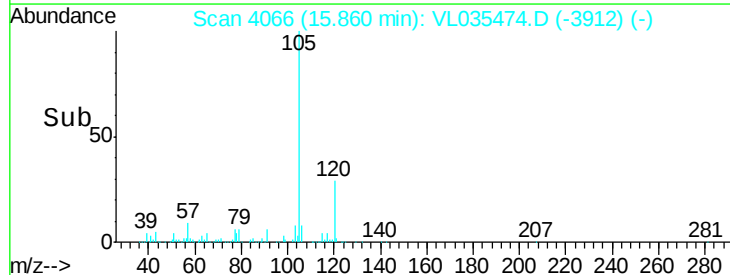
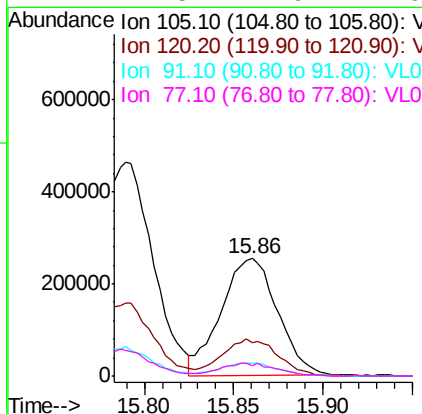
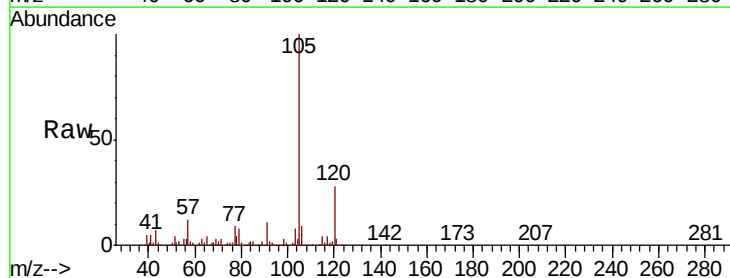
Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-1

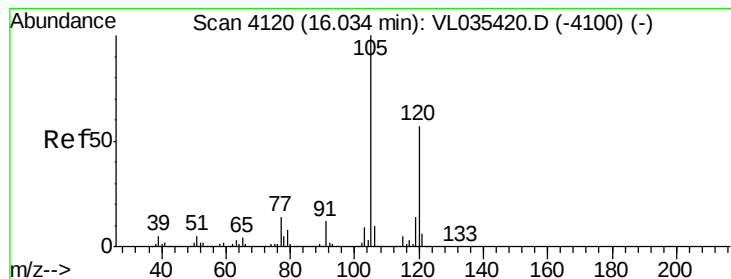
Tot Ion: 91 Resp: 333300
 Ion Ratio Lower Upper
 91 100
 126 0.3 11.4 45.6#



#72
 4-Ethyltoluene
 Concen: 0.902 ppbv
 RT: 15.86 min Scan# 4066
 Delta R.T. -0.01 min
 Lab File: VL035474.D
 Acq: 20 Aug 2020 14:30

Tgt Ion: 105 Resp: 560884
 Ion Ratio Lower Upper
 105 100
 120 30.9 22.7 34.1
 91 11.3 10.8 16.2
 77 11.5 11.9 17.9#





#73

1,3,5-Trimethylbenzene

Concen: 0.942 ppbv

RT: 16.02 min Scan# 4115

Delta R.T. -0.01 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

Instrument :

MSVOA_L

ClientSampled :

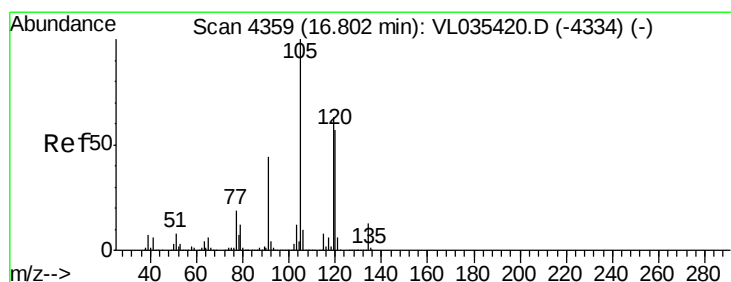
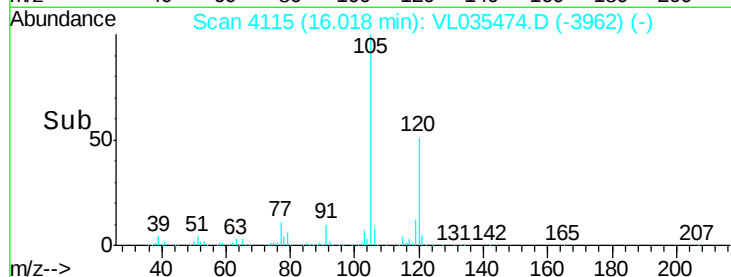
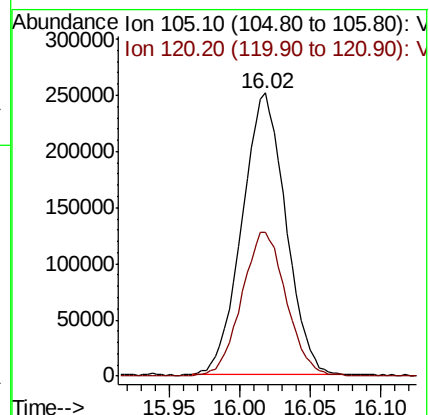
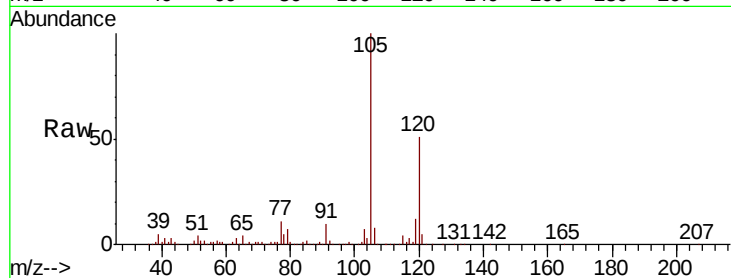
SSMP-1

Tot Ion:105 Resp: 545188

Ion Ratio Lower Upper

105 100

120 50.9 35.6 53.4



#74

1,2,4-Trimethylbenzene

Concen: 3.576 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. -0.01 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

Tgt Ion:105 Resp: 2248161

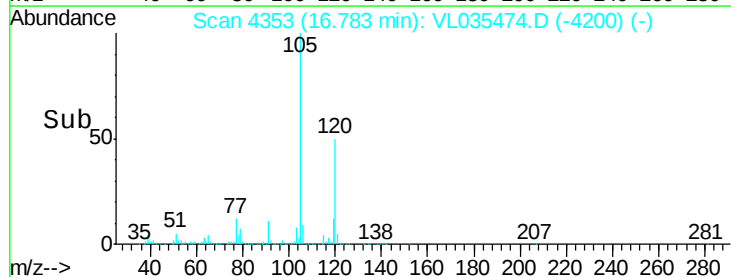
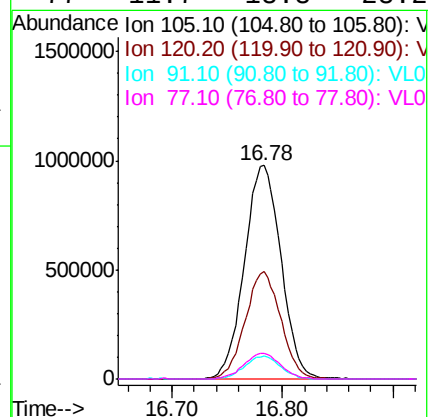
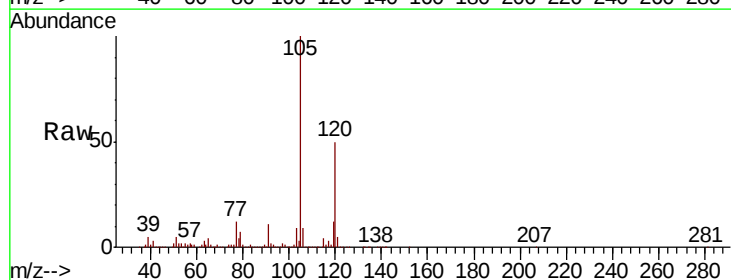
Ion Ratio Lower Upper

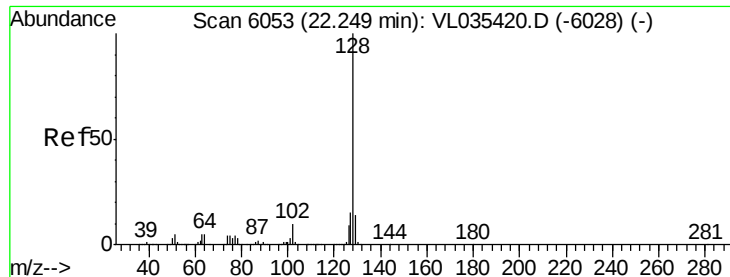
105 100

120 50.4 37.8 56.8

91 10.5 40.0 60.0#

77 11.7 18.8 28.2#





#79

Naphthalene

Concen: 0.654 ppbv

RT: 22.23 min Scan# 6047

Delta R.T. -0.01 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

Instrument :

MSVOA_L

ClientSampleId :

SSMP-1

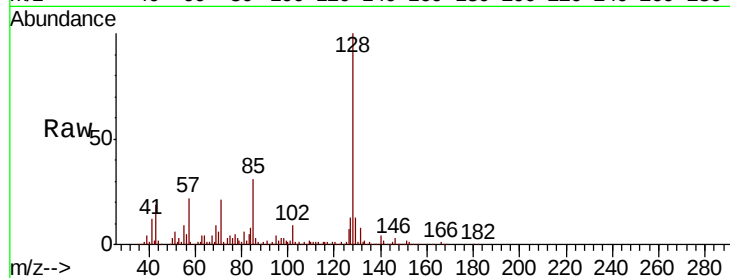
Tot Ion:128 Resp: 578655

Ion Ratio Lower Upper

128 100

127 12.4 11.4 17.0

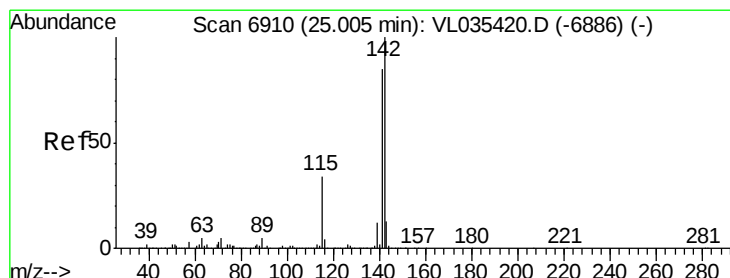
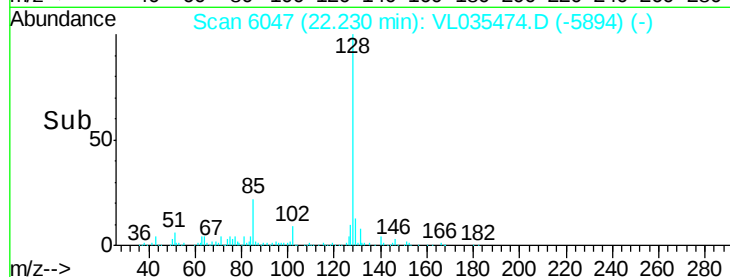
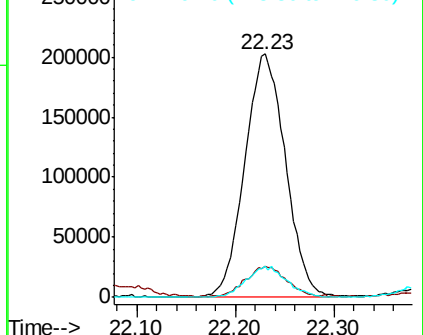
129 12.8 9.5 14.3



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: 0.205 ppbv

RT: 25.00 min Scan# 6908

Delta R.T. -0.00 min

Lab File: VL035474.D

Acq: 20 Aug 2020 14:30

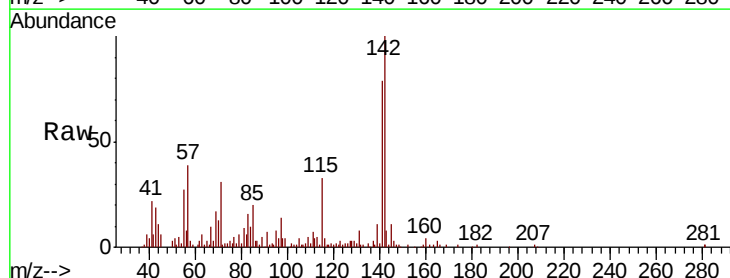
Tgt Ion:142 Resp: 75156

Ion Ratio Lower Upper

142 100

141 81.7 67.1 100.7

115 52.4 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

