

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
 Data File : VL035476.D
 Acq On : 20 Aug 2020 15:49
 Operator : SY/AP
 Sample : L3743-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-2

Quant Time: Aug 21 05:58:40 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	1092112	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	5036232	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4887882	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3524418	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	60037	0.297	ppbv 96
3) Chlorodifluoromethane	2.98	51	353897	2.584	ppbv 93
4) Chloromethane	3.13	50	27589	0.387	ppbv 96
7) Chloroethane	3.12	64	29734	0.947	ppbv # 88
9) Propene	3.01	41	1837621	33.387	ppbv # 77
10) Heptane	8.14	43	110851	0.768	ppbv # 80
11) Trichlorofluoromethane	3.95	101	129095	0.406	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	16829	0.071	ppbv # 83
13) Ethanol	3.61	45	1031036	51.129	ppbv 99
15) Acetone	3.84	43	3633417	28.905	ppbv # 73
16) 1,3-Butadiene	3.30	39	113626	2.229	ppbv # 37
17) tert-Butyl alcohol	4.31	59	103542	0.637	ppbv 100
19) Isopropyl Alcohol	3.98	45	316117	3.649	ppbv # 1
20) Methylene Chloride	4.34	84	699211	6.894	ppbv # 64
21) Allyl Chloride	4.37	41	10662	0.167	ppbv # 37
23) Vinyl Acetate	5.07	43	275766	1.535	ppbv # 77
24) 1,1-Dichloroethane	5.01	63	9056	0.050	ppbv 97
25) Ethyl Acetate	5.69	43	274688	1.123	ppbv # 84
26) Hexane	5.69	57	438477	3.177	ppbv # 32
27) Carbon Disulfide	4.55	76	89520	0.449	ppbv # 90
29) Chloroform	5.76	83	741049	2.672	ppbv 99
30) Cyclohexane	7.14	84	73200	0.478	ppbv # 60
32) 1,1,1-Trichloroethane	6.52	97	64605	0.249	ppbv # 90
34) 2-Butanone	5.26	43	705506	4.193	ppbv # 72
35) Carbon Tetrachloride	7.02	117	43375	0.162	ppbv 93
36) Benzene	6.90	78	456776	1.236	ppbv # 90
38) Trichloroethene	7.84	130	8200134	39.882	ppbv 90
39) 1,2-Dichloropropane	7.84	63	42271	0.347	ppbv # 1
41) Tetrahydrofuran	6.07	42	198993	2.144	ppbv # 53
42) Bromodichloromethane	7.85	83	213041	0.754	ppbv # 96
43) Methyl Methacrylate	8.03	69	7176	0.050	ppbv # 77
44) 2,2,4-Trimethylpentane	7.89	57	312696	0.648	ppbv 93
50) 4-Methyl-2-Pentanone	8.76	43	273568	1.133	ppbv # 83
51) 2-Hexanone	10.16	43	62582	0.308	ppbv # 92
52) Tetrachloroethene	11.24	164	6887910	30.550	ppbv 93
53) Toluene	9.82	91	2613653	5.490	ppbv 100
58) Ethyl Benzene	12.73	91	607823	1.030	ppbv 91
59) m/p-Xylene	12.99	91	1940210	3.890	ppbv # 84
60) o-Xylene	13.71	91	762466	1.573	ppbv 90
61) Styrene	13.55	104	86386	0.221	ppbv # 88
62) Isopropylbenzene	14.69	105	69192	0.087	ppbv 93

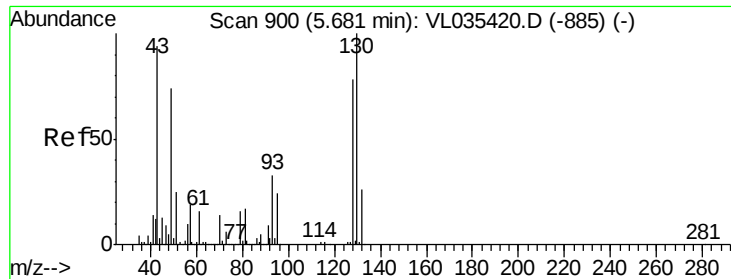
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
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 Acq On : 20 Aug 2020 15:49
 Operator : SY/AP
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 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
64) n-propylbenzene	15.59	120	41221	0.168	ppbv	#	1
65) tert-Butylbenzene	16.79	119	268615	0.348	ppbv	#	87
66) Benzyl Chloride	17.24	91	28685	0.154	ppbv	#	71
67) sec-Butylbenzene	17.32	105	45084	0.044	ppbv	#	66
69) p-Isopropyltoluene	17.68	119	120715	0.134	ppbv	#	86
70) n-Butylbenzene	18.58	91	329497	0.387	ppbv	#	30
71) 2-Chlorotoluene	15.58	91	177603	0.308	ppbv	#	47
72) 4-Ethyltoluene	15.86	105	539165	0.847	ppbv	#	93
73) 1,3,5-Trimethylbenzene	16.02	105	550871	0.931	ppbv		94
74) 1,2,4-Trimethylbenzene	16.79	105	2188850	3.403	ppbv	#	71
76) 1,4-Dichlorobenzene	17.16	146	17733	0.036	ppbv	#	55
79) Naphthalene	22.23	128	1138464	1.257	ppbv		96
80) Naphthalene,2-methyl-	25.00	142	395525	1.057	ppbv		96

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

SSMP-2

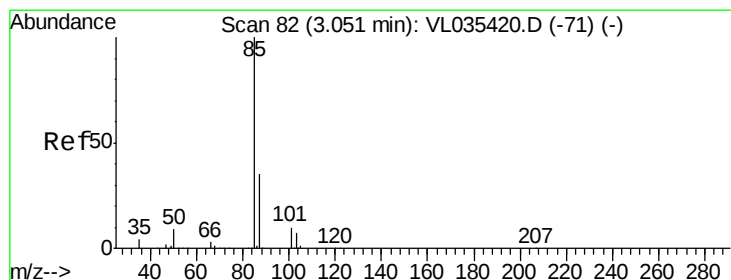
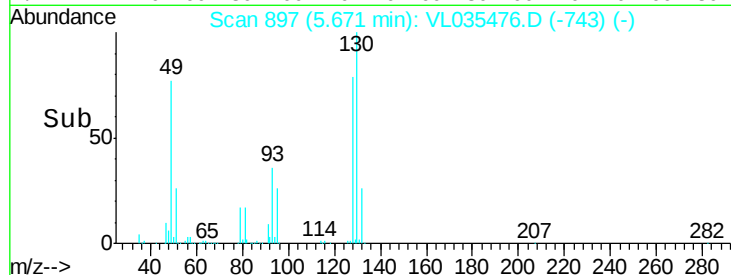
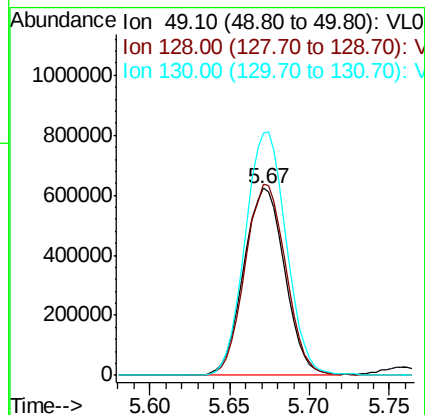
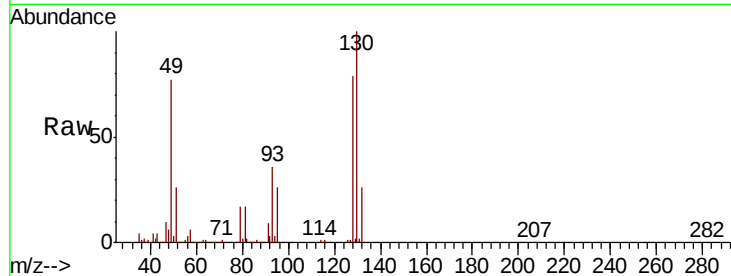
Tot Ion: 49 Resp: 1092112

Ion Ratio Lower Upper

49 100

128 102.3 20.9 62.7#

130 131.0 26.7 80.1#



#2

Dichlorodifluoromethane

Concen: 0.297 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL035476.D

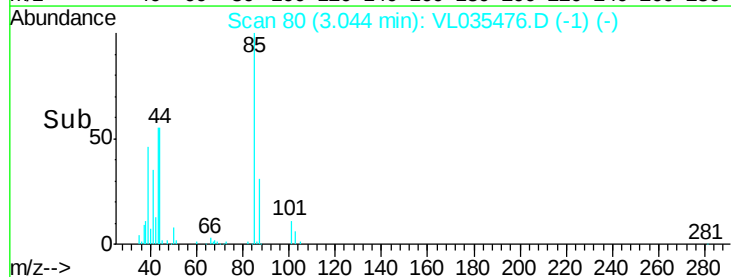
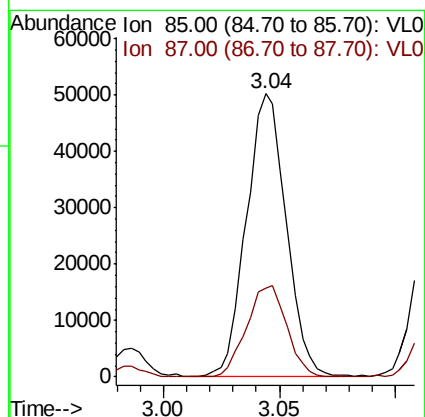
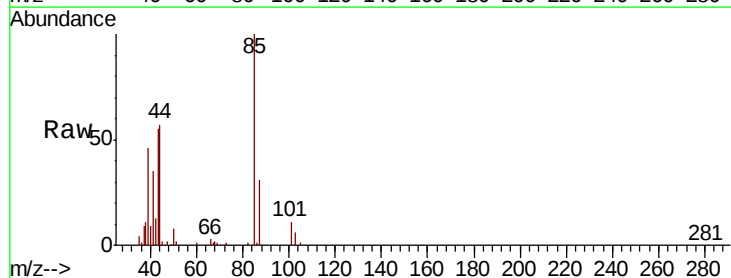
Acq: 20 Aug 2020 15:49

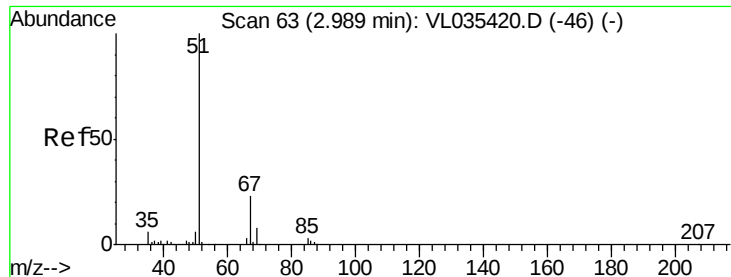
Tgt Ion: 85 Resp: 60037

Ion Ratio Lower Upper

85 100

87 31.3 27.1 40.7





#3

Chlorodifluoromethane

Concen: 2.584 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

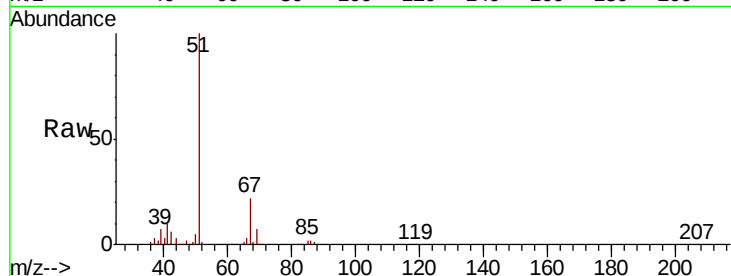
SSMP-2

Tot Ion: 51 Resp: 353897

Ion Ratio Lower Upper

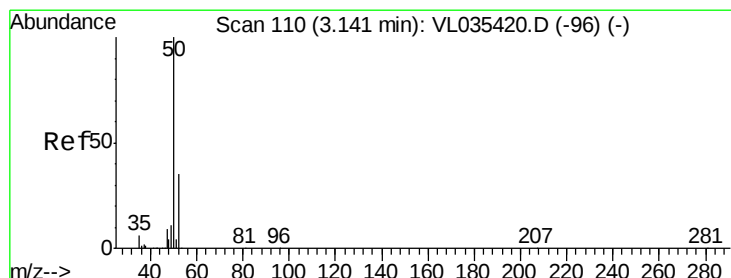
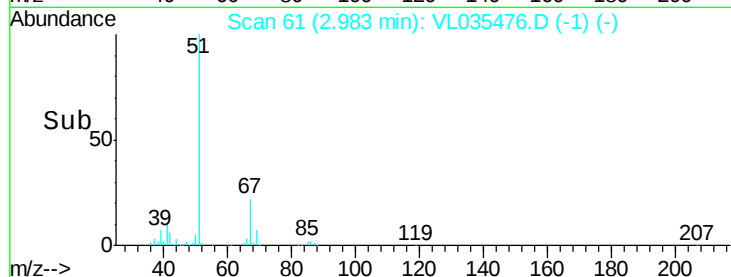
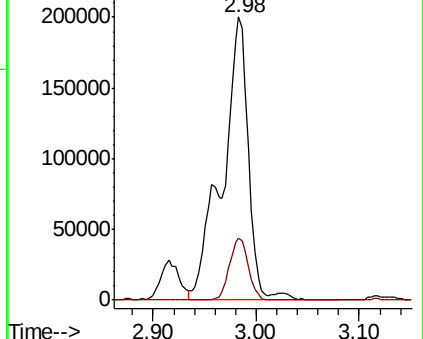
51 100

67 15.8 15.0 22.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.387 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL035476.D

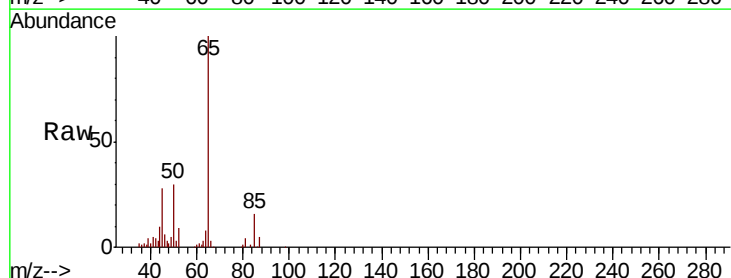
Acq: 20 Aug 2020 15:49

Tgt Ion: 50 Resp: 27589

Ion Ratio Lower Upper

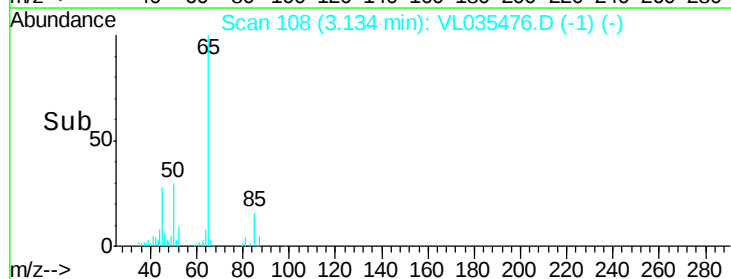
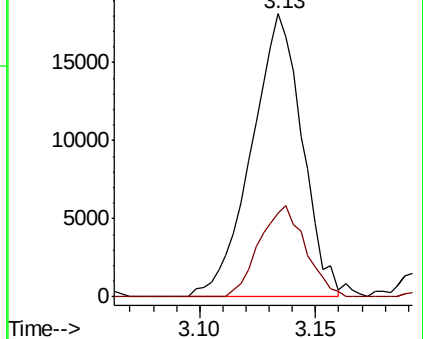
50 100

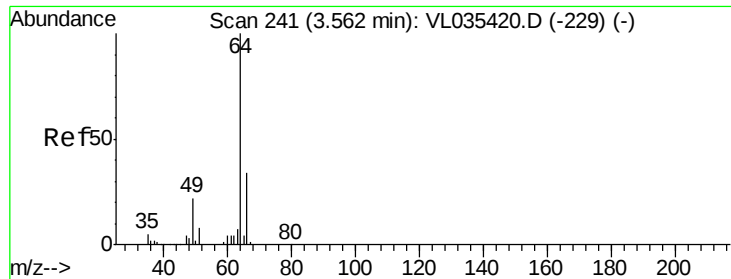
52 30.1 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.947 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.44 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

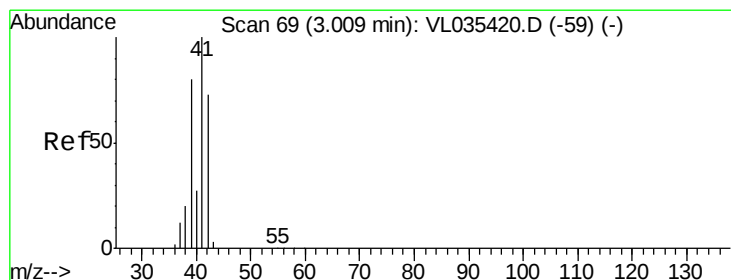
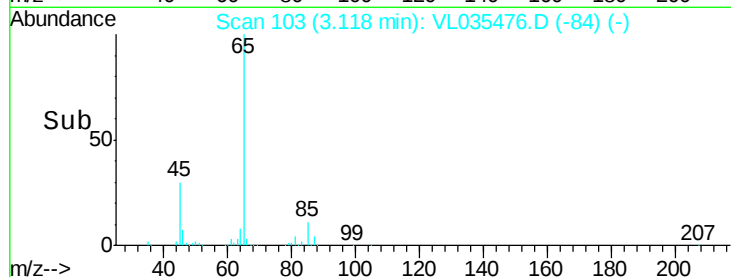
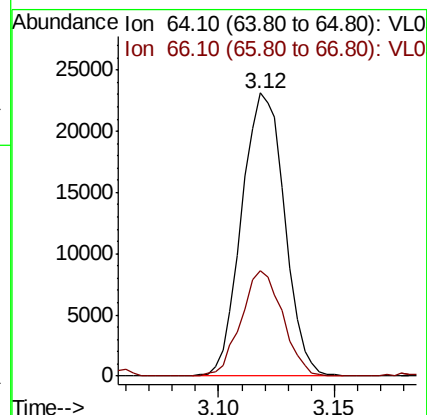
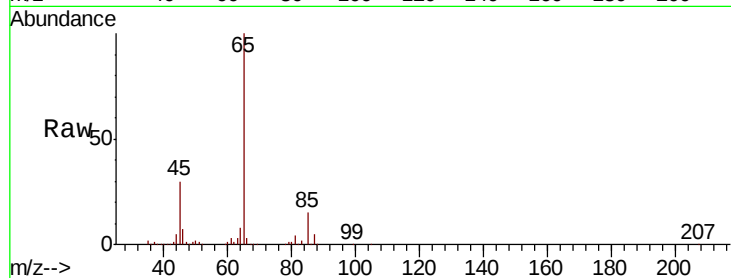
SSMP-2

Tot Ion: 64 Resp: 29734

Ion Ratio Lower Upper

64 100

66 37.4 24.5 36.7#



#9

Propene

Concen: 33.387 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035476.D

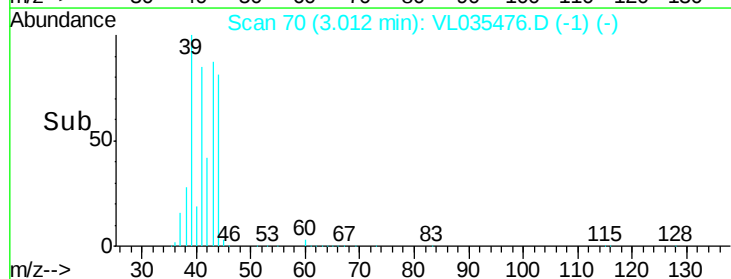
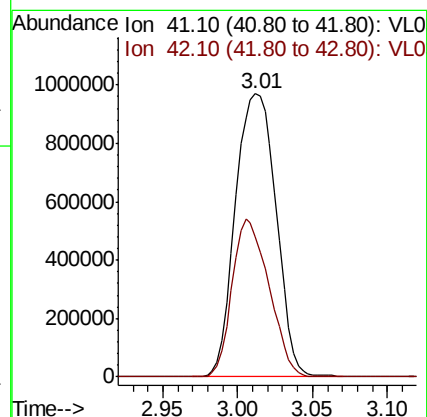
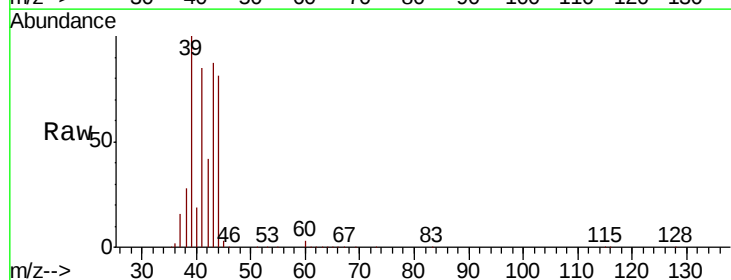
Acq: 20 Aug 2020 15:49

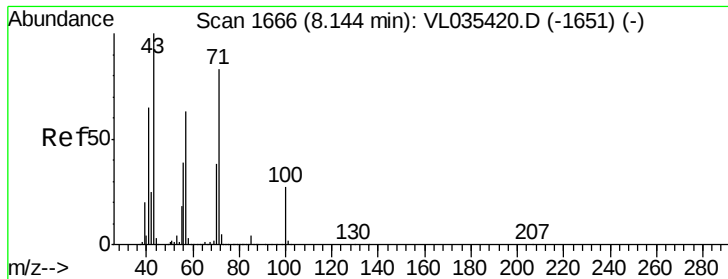
Tgt Ion: 41 Resp: 1837621

Ion Ratio Lower Upper

41 100

42 50.7 55.5 83.3#





#10

Heptane

Concen: 0.768 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

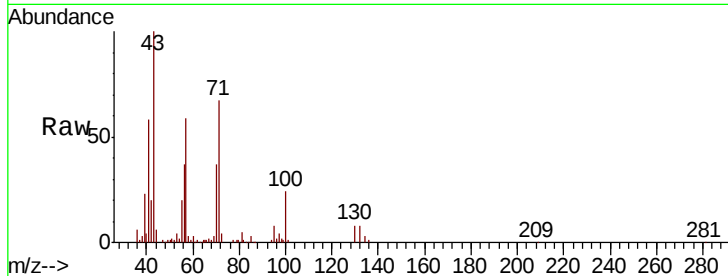
SSMP-2

Tot Ion: 43 Resp: 110851

Ion Ratio Lower Upper

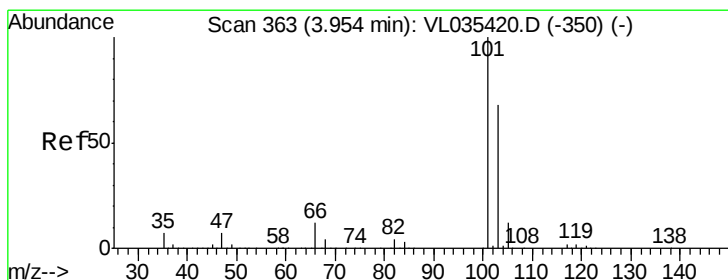
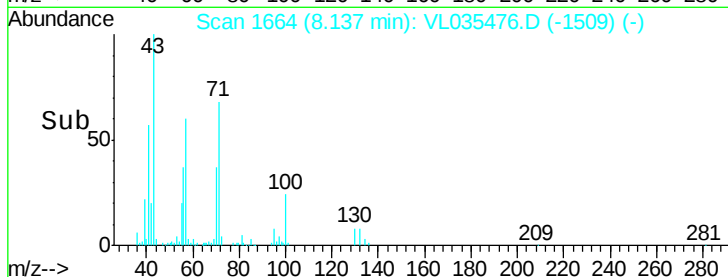
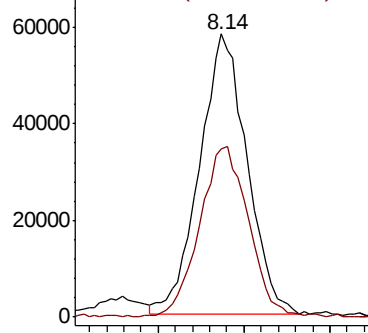
43 100

57 63.6 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: 0.406 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.00 min

Lab File: VL035476.D

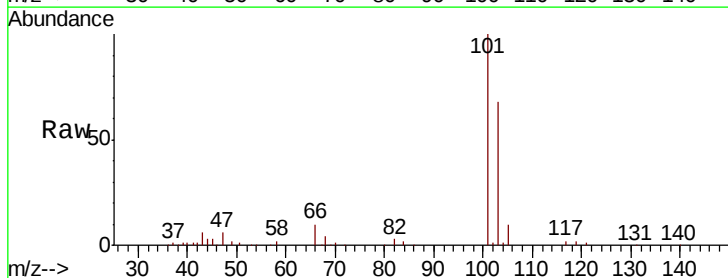
Acq: 20 Aug 2020 15:49

Tgt Ion: 101 Resp: 129095

Ion Ratio Lower Upper

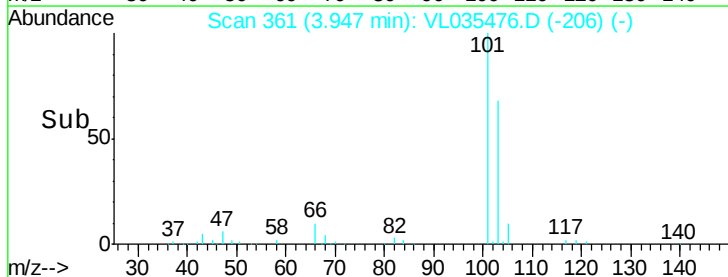
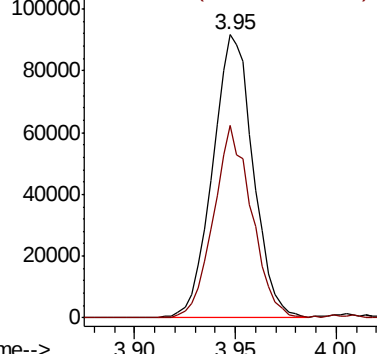
101 100

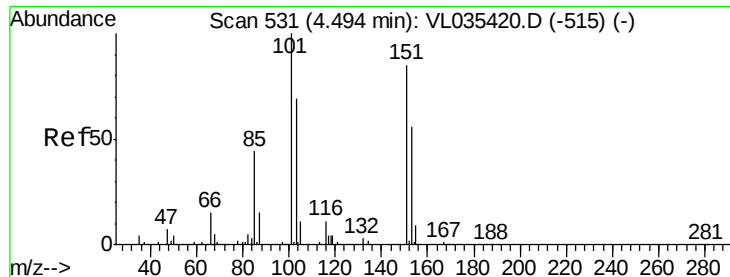
103 67.9 52.6 78.8



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# 528

Delta R.T. -0.00 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

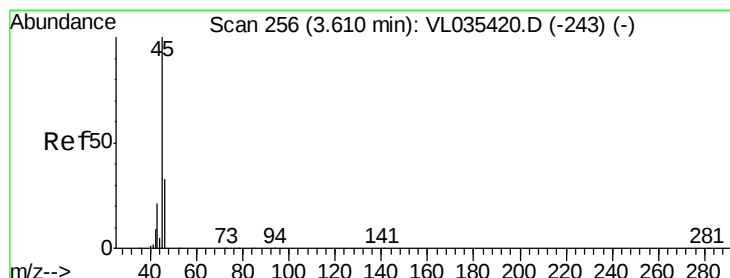
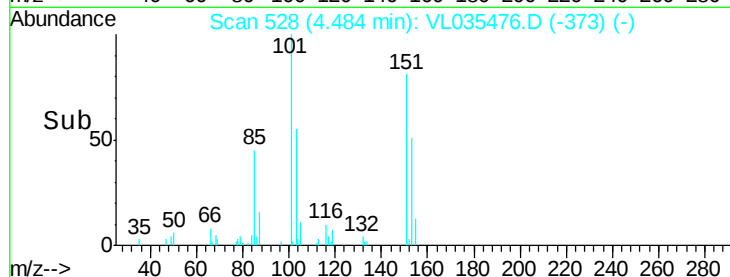
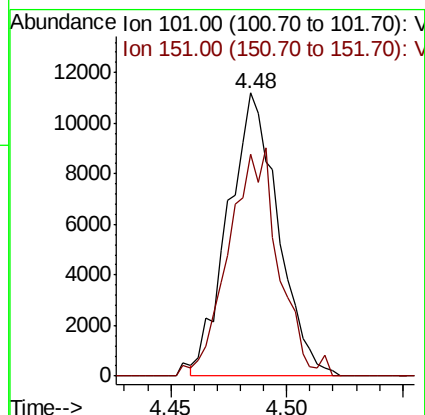
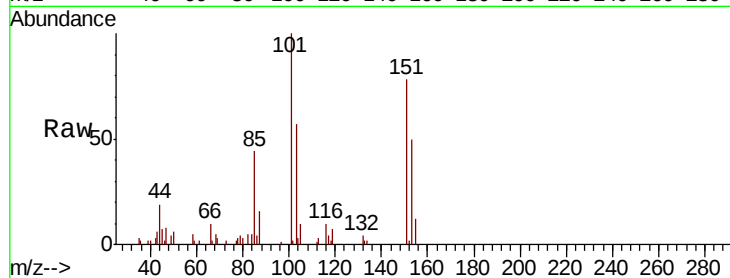
SSMP-2

Tot Ion:101 Resp: 16829

Ion Ratio Lower Upper

101 100

151 80.4 53.6 80.4#



#13

Ethanol

Concen: 51.129 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.01 min

Lab File: VL035476.D

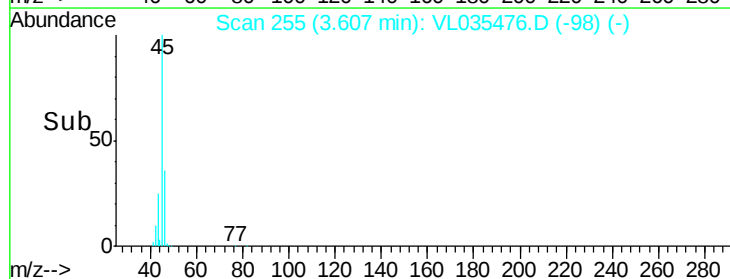
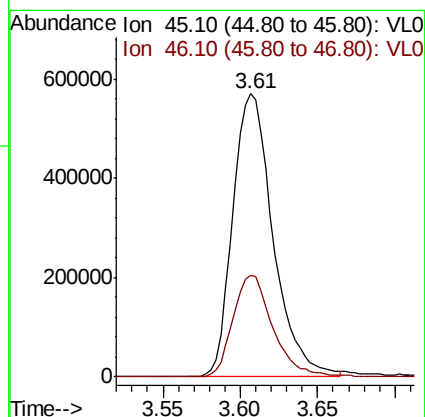
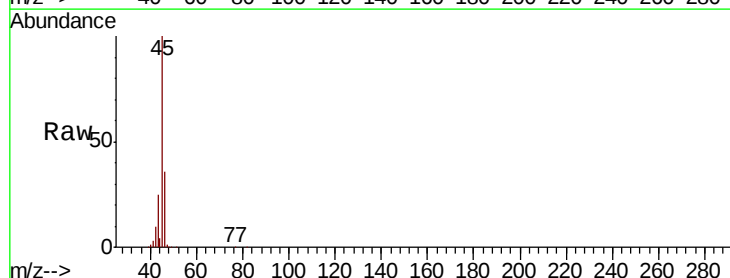
Acq: 20 Aug 2020 15:49

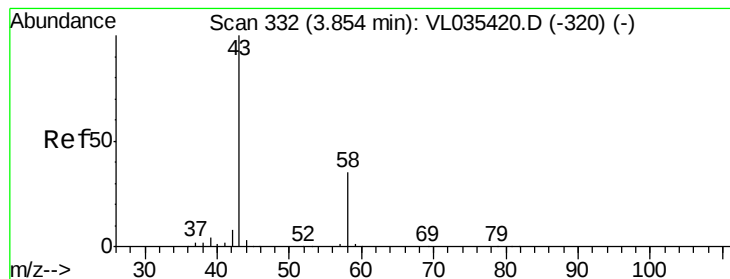
Tgt Ion: 45 Resp: 1031036

Ion Ratio Lower Upper

45 100

46 36.3 14.2 56.6





#15

Acetone

Concen: 28.905 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

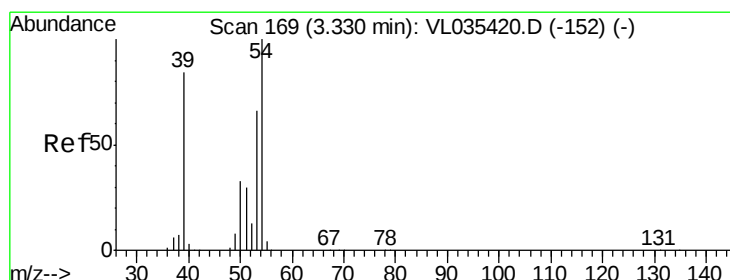
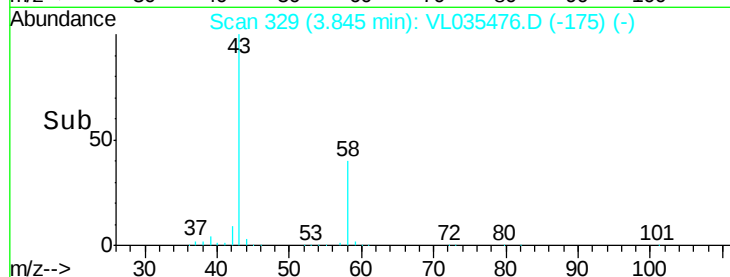
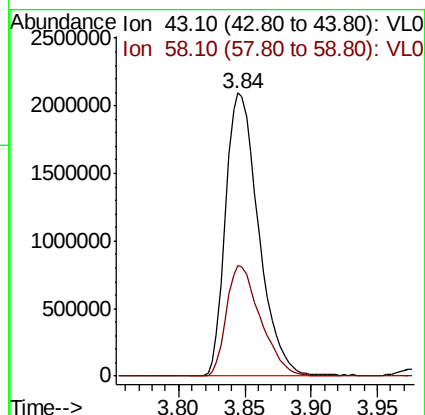
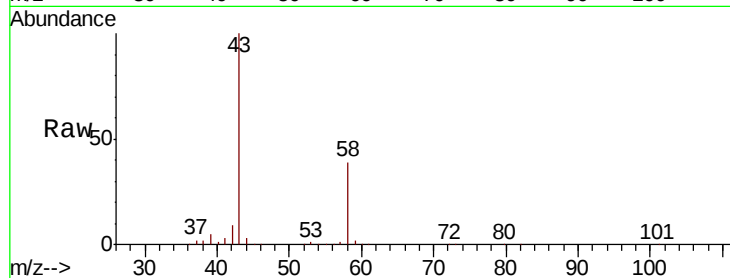
SSMP-2

Tot Ion: 43 Resp: 3633417

Ion Ratio Lower Upper

43 100

58 40.3 21.0 31.6#



#16

1,3-Butadiene

Concen: 2.229 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.02 min

Lab File: VL035476.D

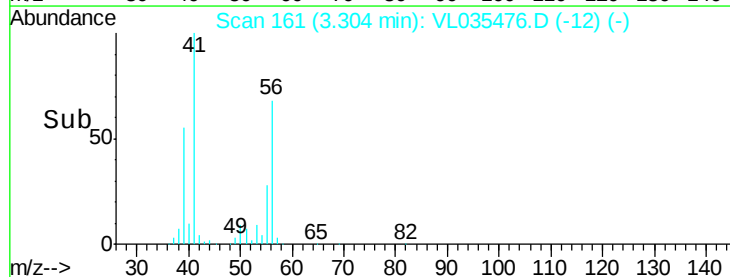
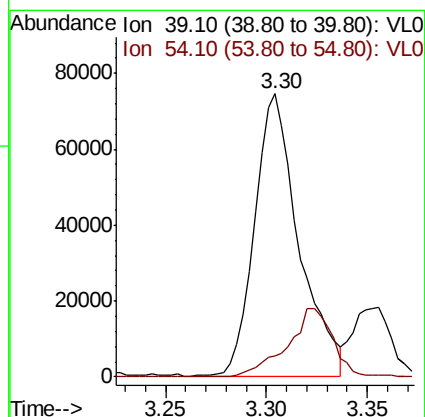
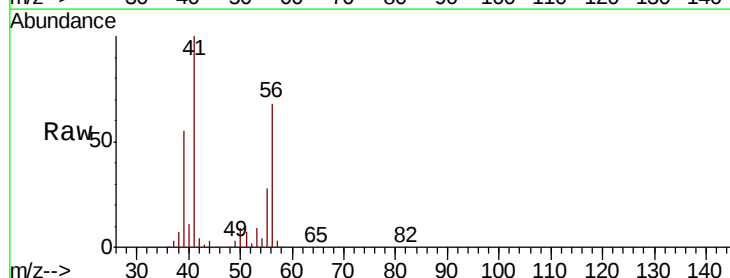
Acq: 20 Aug 2020 15:49

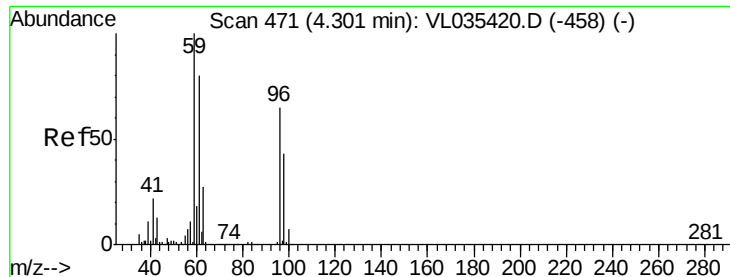
Tgt Ion: 39 Resp: 113626

Ion Ratio Lower Upper

39 100

54 24.8 64.4 96.6#



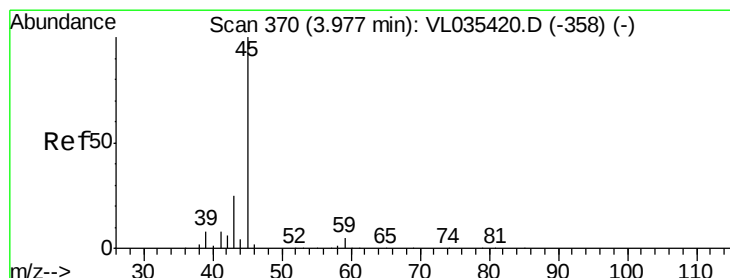
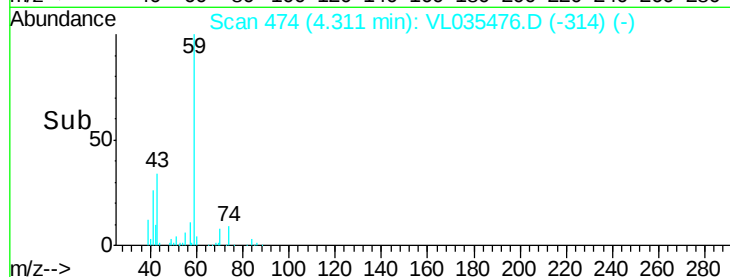
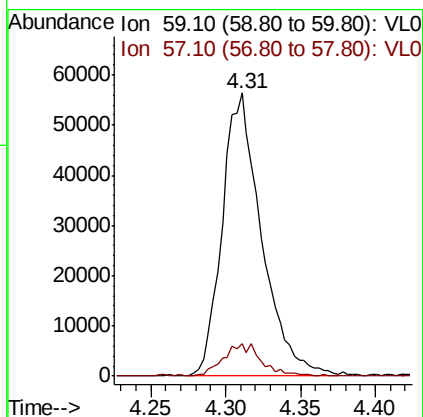
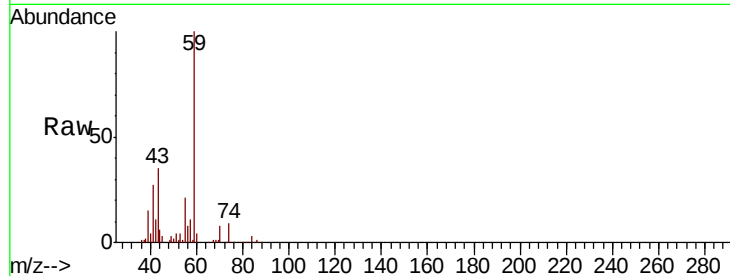


#17

tert-Butyl alcohol
 Concen: 0.637 ppbv
 RT: 4.31 min Scan# 474
 Delta R.T. 0.02 min
 Lab File: VL035476.D
 Acq: 20 Aug 2020 15:49

Instrument :
 MSVOA_L
 ClientSampled :
 SSMP-2

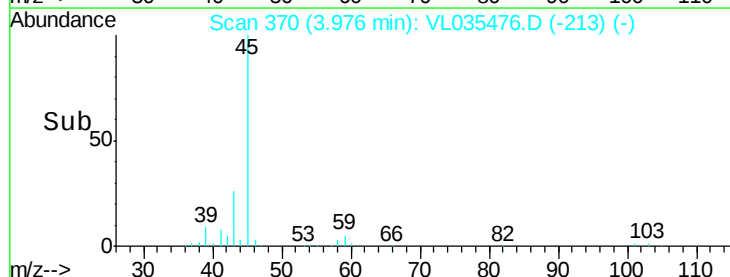
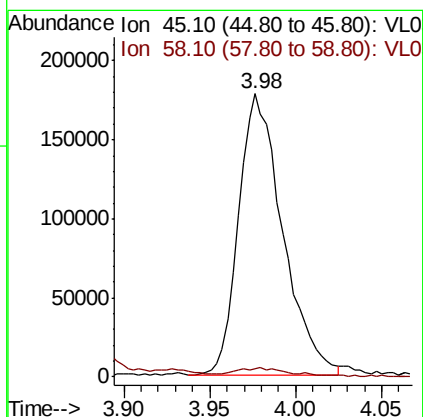
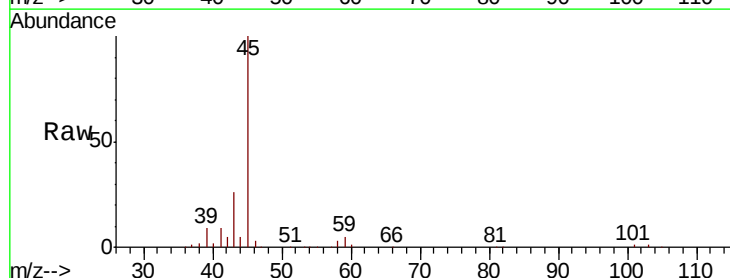
Tot Ion: 59 Resp: 103542
 Ion Ratio Lower Upper
 59 100
 57 11.2 8.9 13.3

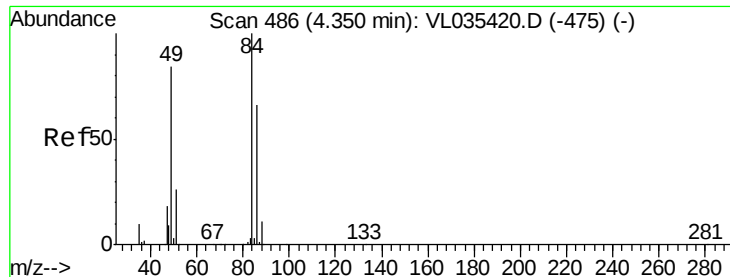


#19

Isopropyl Alcohol
 Concen: 3.649 ppbv
 RT: 3.98 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VL035476.D
 Acq: 20 Aug 2020 15:49

Tgt Ion: 45 Resp: 316117
 Ion Ratio Lower Upper
 45 100
 58 465.7 1.0 1.6#

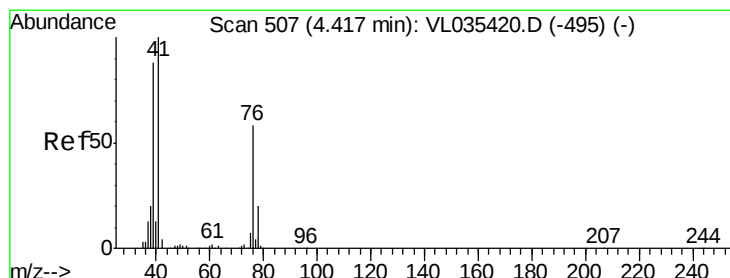
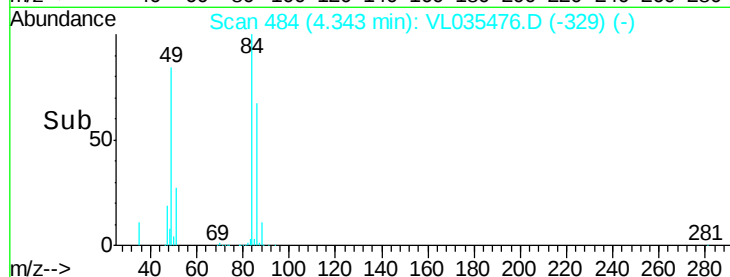
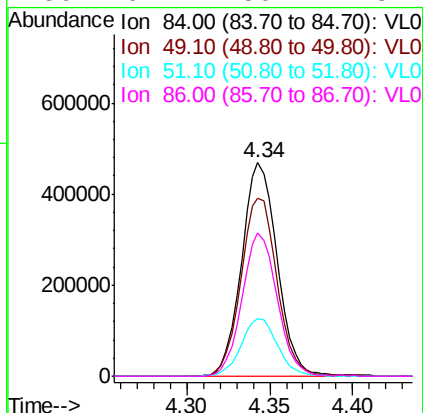
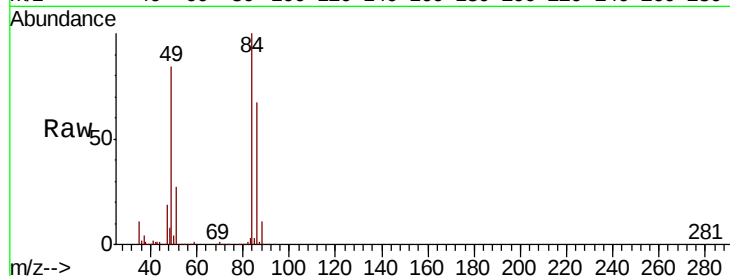




#20
Methvlene Chloride
Concen: 6.894 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL035476.D
Acq: 20 Aug 2020 15:49

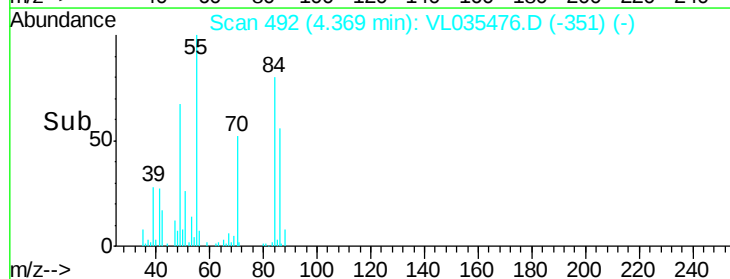
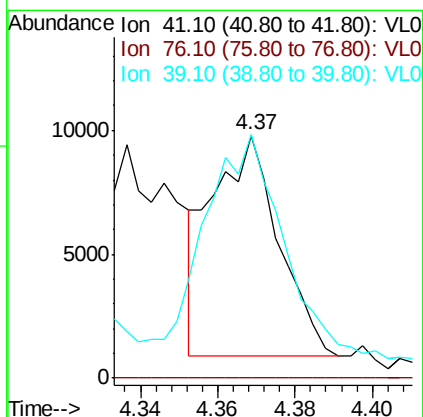
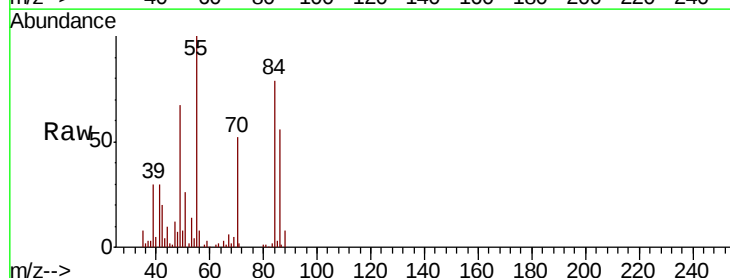
Instrument :
MSVOA_L
ClientSampleId :
SSMP-2

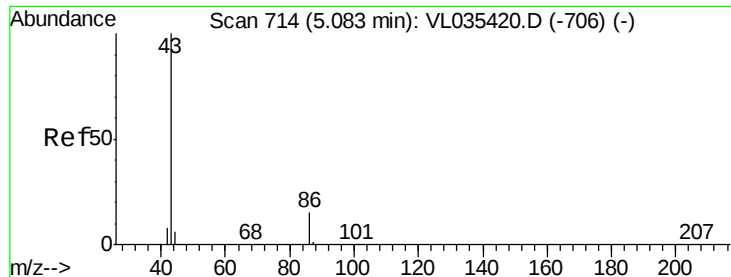
Tot Ion	84	Resp	699211
Ion	Ratio	Lower	Upper
84	100		
49	83.5	118.6	177.8#
51	26.9	36.4	54.6#
86	67.4	50.2	75.4



#21
Allyl Chloride
Concen: 0.167 ppbv
RT: 4.37 min Scan# 492
Delta R.T. -0.05 min
Lab File: VL035476.D
Acq: 20 Aug 2020 15:49

Tgt Ion	41	Resp	10662
Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.8	34.2#
39	142.2	66.2	99.2#





#23

Vinyl Acetate

Concen: 1.535 ppbv

RT: 5.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

SSMP-2

Tot Ion: 43 Resp: 275766

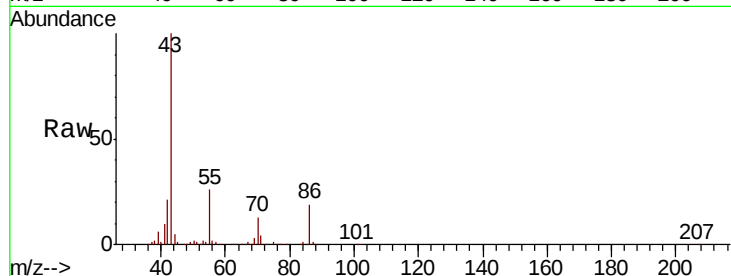
Ion Ratio Lower Upper

43 100

86 19.0 6.5 9.7#

42 20.6 8.3 12.5#

44 3.9 4.0 6.0#

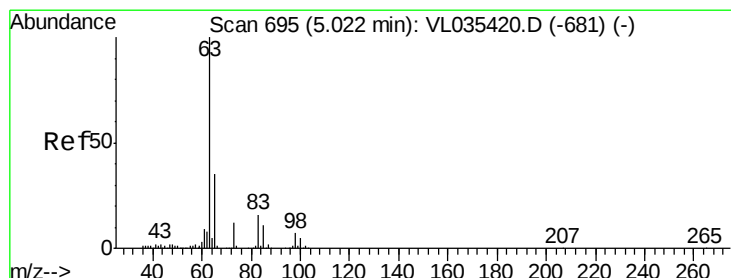
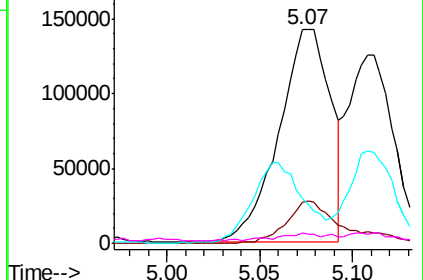
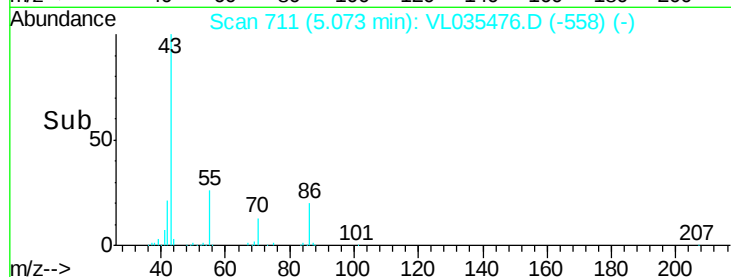


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.050 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.01 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

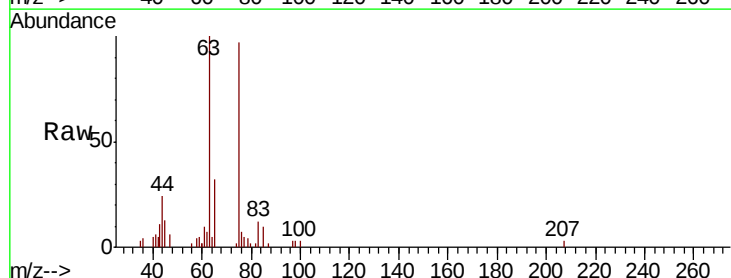
Tgt Ion: 63 Resp: 9056

Ion Ratio Lower Upper

63 100

98 3.1 2.1 6.5

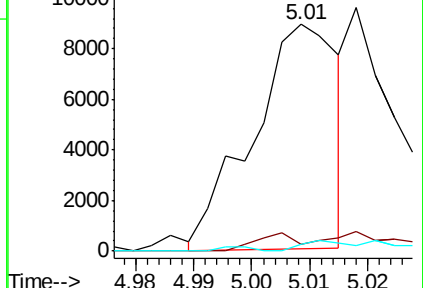
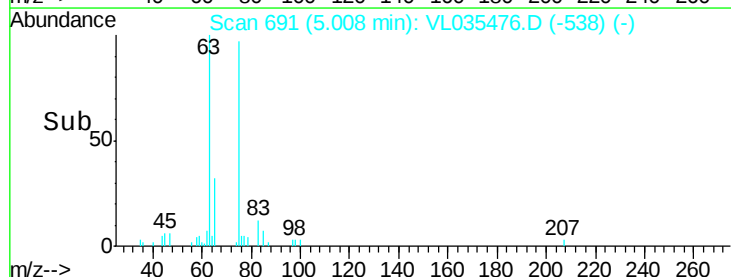
100 3.0 1.3 3.8

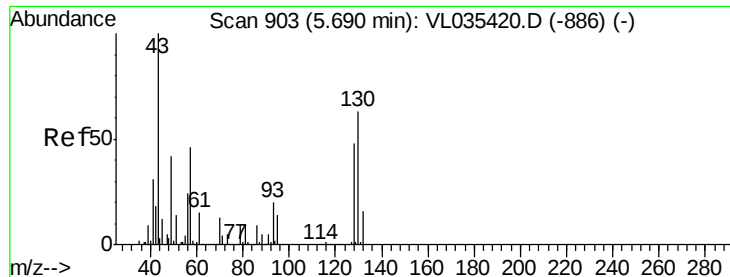


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 1.123 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

SSMP-2

Tot Ion: 43 Resp: 274688

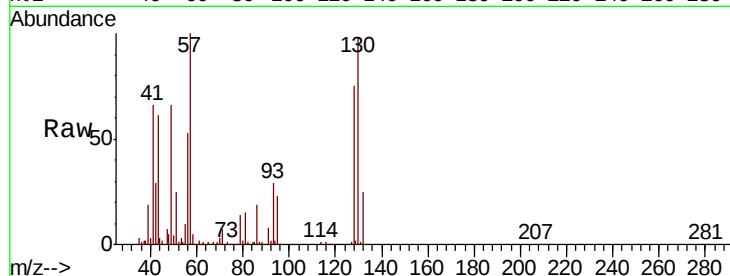
Ion Ratio Lower Upper

43 100

45 3.2 8.3 12.5#

61 3.2 7.6 11.4#

70 4.4 6.0 9.0#

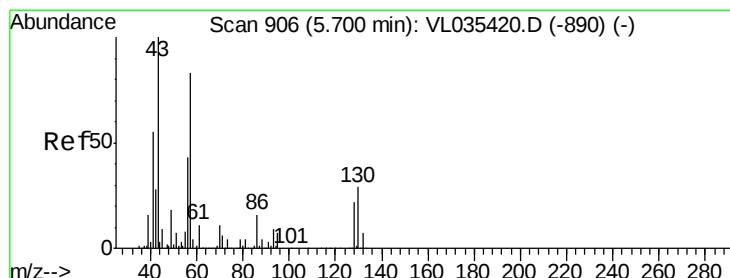
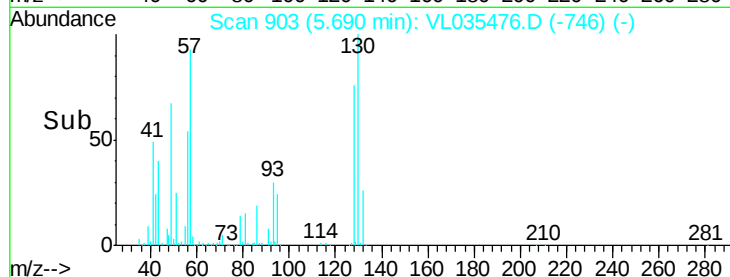
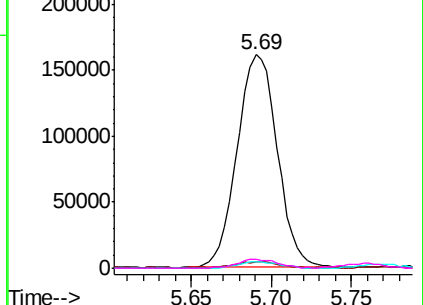


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 3.177 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.00 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

Tgt Ion: 57 Resp: 438477

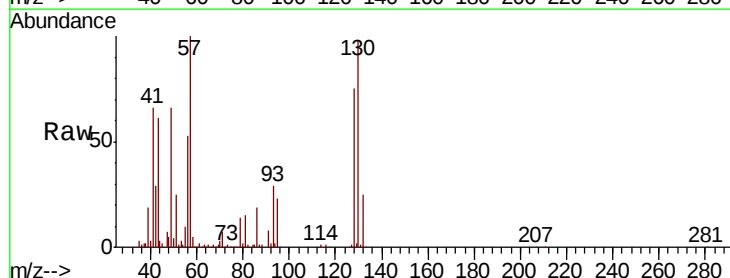
Ion Ratio Lower Upper

57 100

41 67.7 75.5 113.3#

43 62.9 181.7 272.5#

56 53.0 42.4 63.6

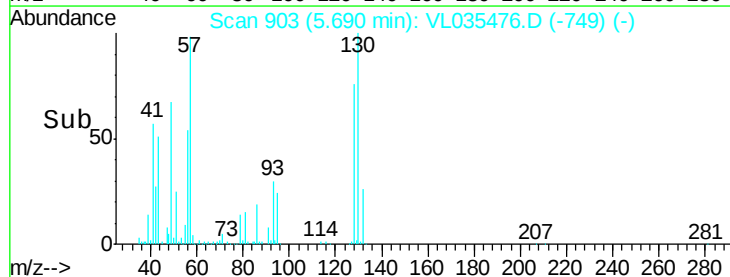
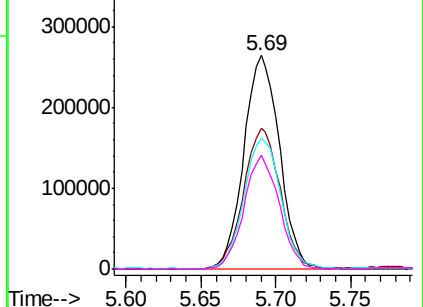


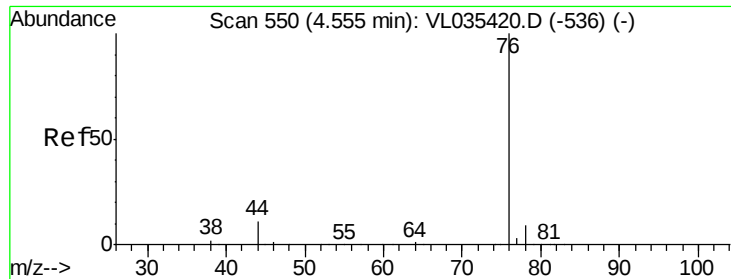
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.449 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.00 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

SSMP-2

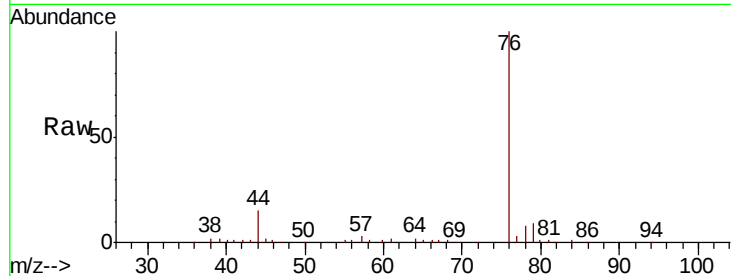
Tot Ion: 76 Resp: 89520

Ion Ratio Lower Upper

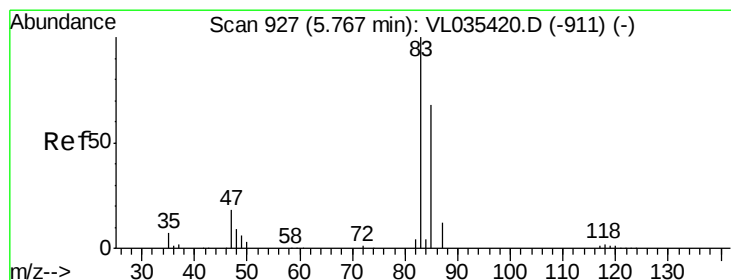
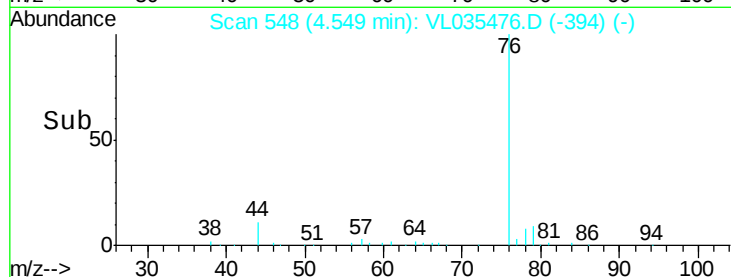
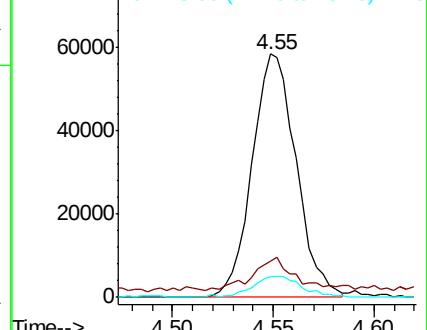
76 100

44 14.5 16.8 25.2#

78 9.9 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: 2.672 ppbv

RT: 5.76 min Scan# 924

Delta R.T. -0.00 min

Lab File: VL035476.D

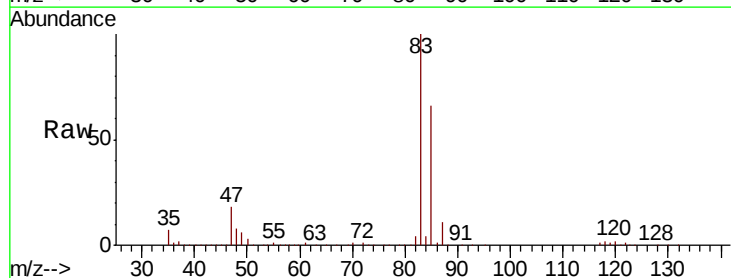
Acq: 20 Aug 2020 15:49

Tgt Ion: 83 Resp: 741049

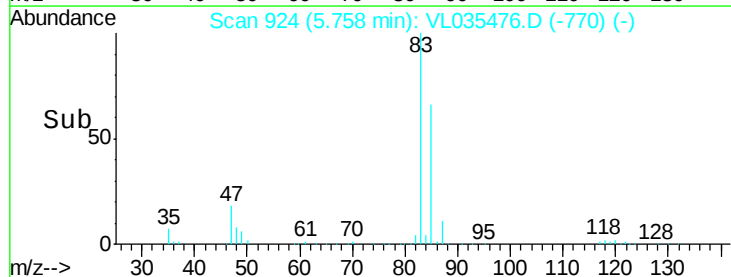
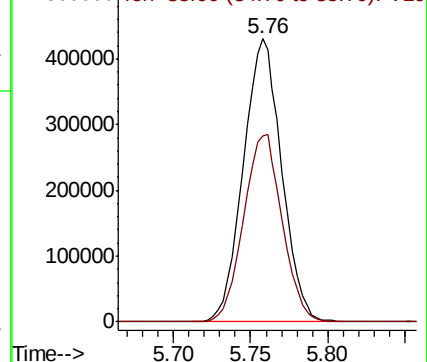
Ion Ratio Lower Upper

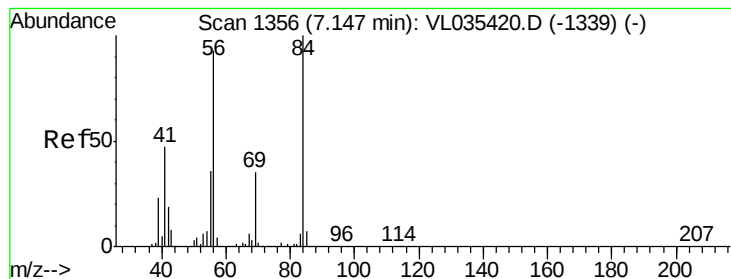
83 100

85 65.5 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0





#30

Cvclohexane

Concen: 0.478 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. -0.00 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

SSMP-2

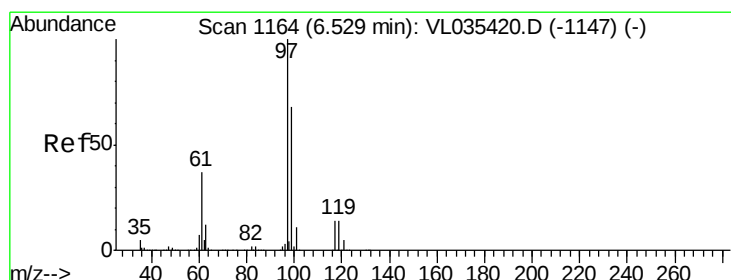
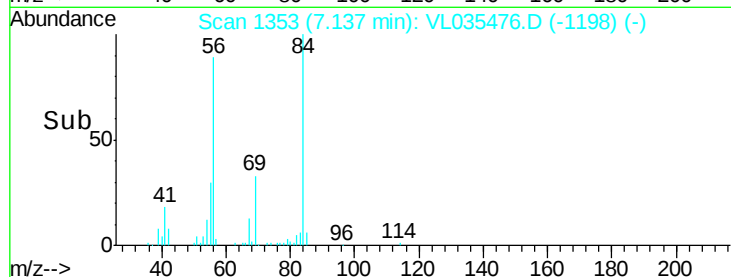
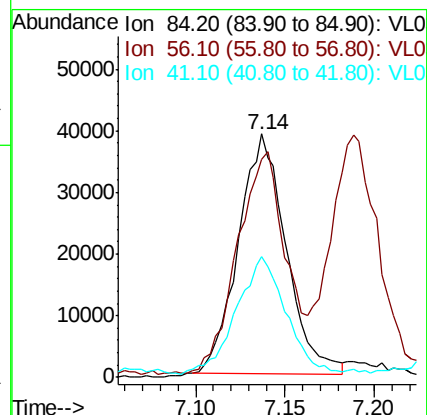
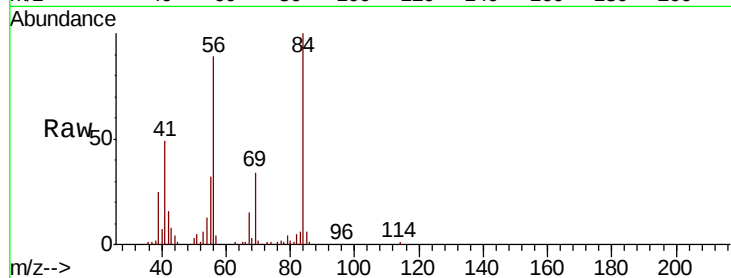
Tot Ion: 84 Resp: 73200

Ion Ratio Lower Upper

84 100

56 94.2 114.9 172.3#

41 51.7 72.3 108.5#



#32

1,1,1-Trichloroethane

Concen: 0.249 ppbv

RT: 6.52 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

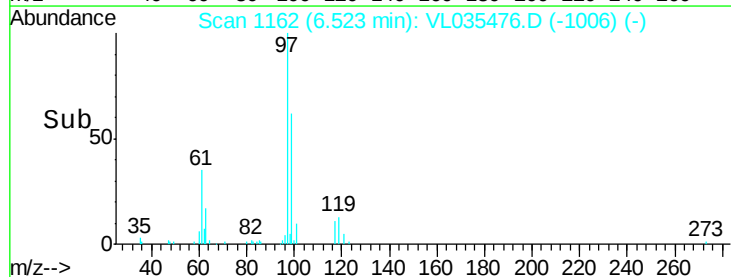
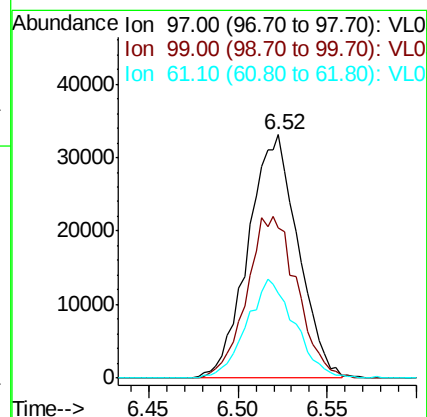
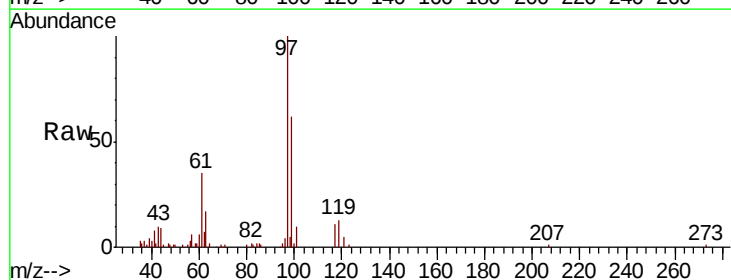
Tgt Ion: 97 Resp: 64605

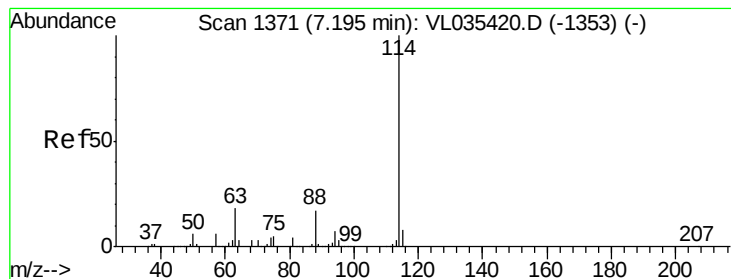
Ion Ratio Lower Upper

97 100

99 66.9 51.4 77.0

61 39.1 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: VL035476.D

Acq: 20 Aug 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

SSMP-2

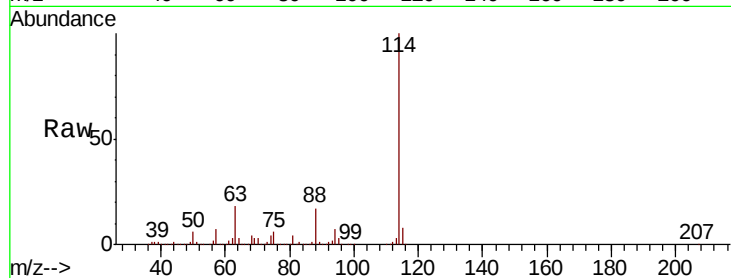
Tot Ion:114 Resp: 5036232

Ion Ratio Lower Upper

114 100

63 17.7 23.1 34.7#

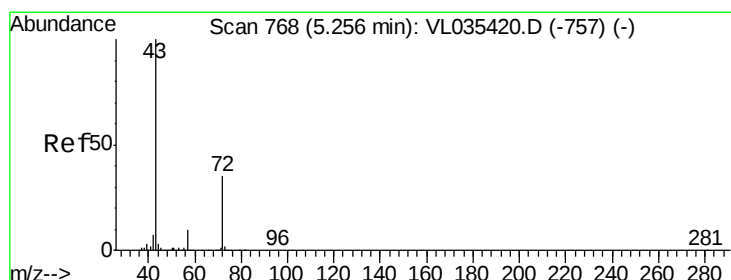
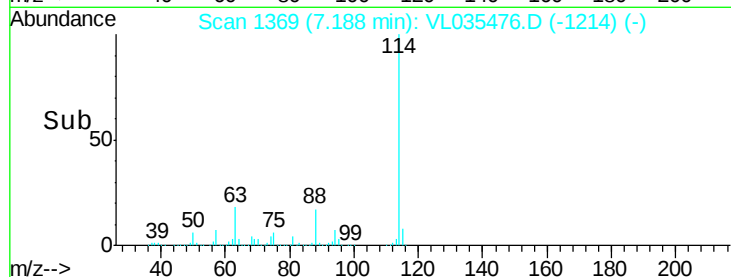
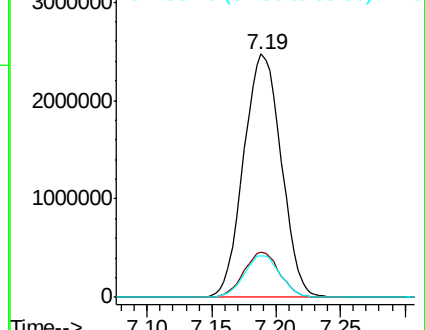
88 16.5 15.9 23.9



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: 4.193 ppbv

RT: 5.26 min Scan# 769

Delta R.T. 0.01 min

Lab File: VL035476.D

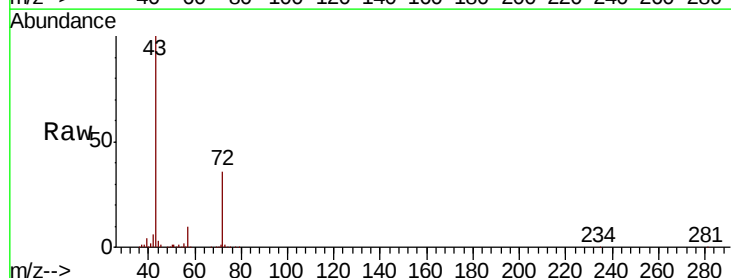
Acq: 20 Aug 2020 15:49

Tgt Ion: 43 Resp: 705506

Ion Ratio Lower Upper

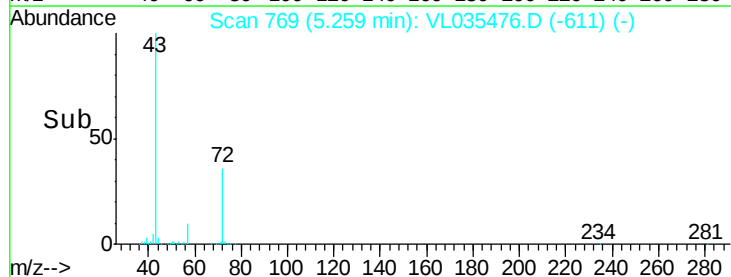
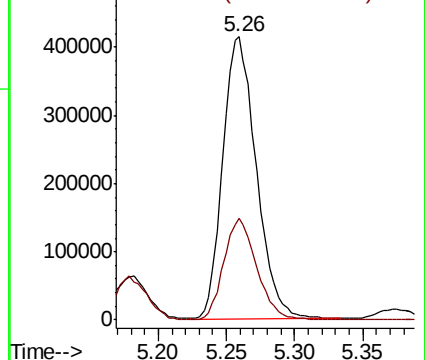
43 100

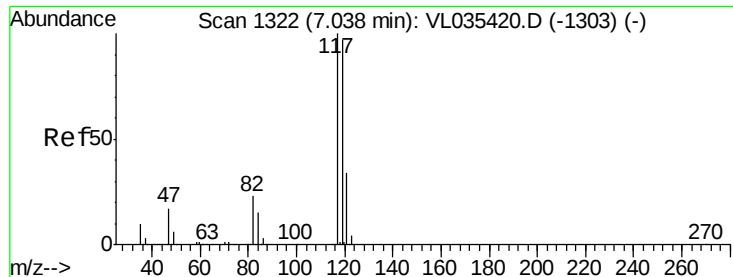
72 35.1 17.6 26.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

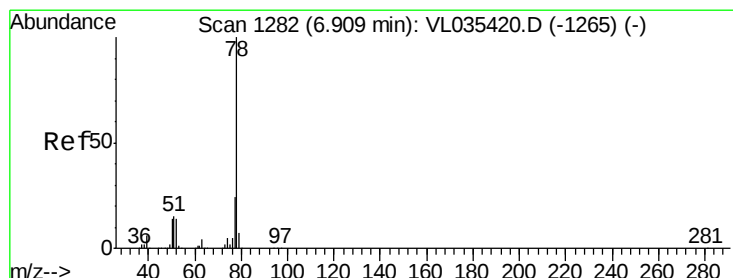
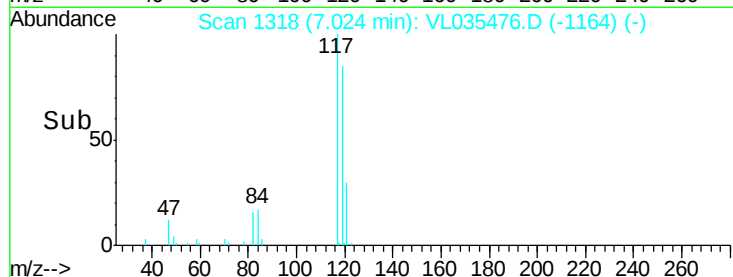
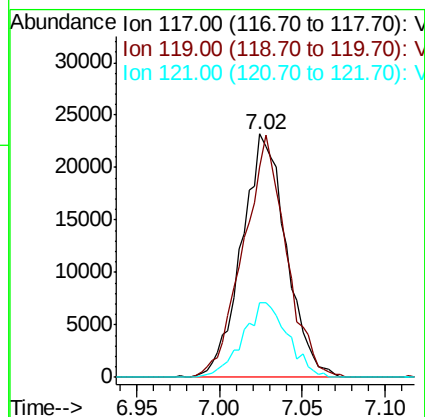
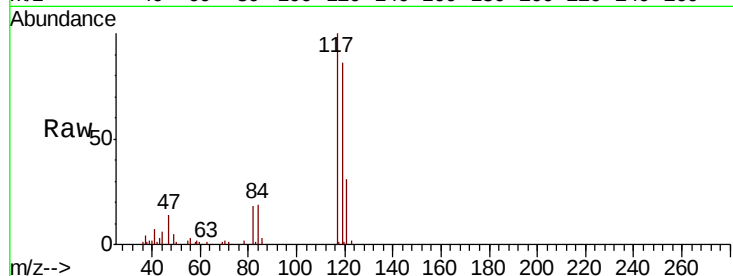




#35
Carbon Tetrachloride
Concen: 0.162 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VL035476.D
Acq: 20 Aug 2020 15:49

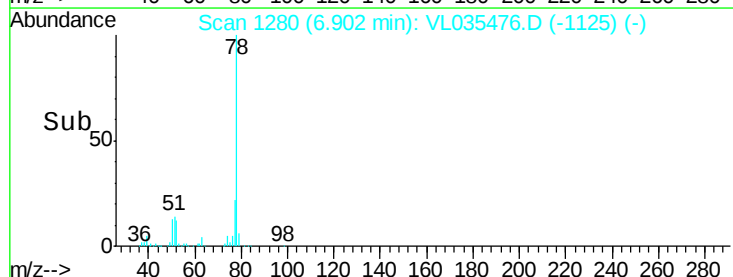
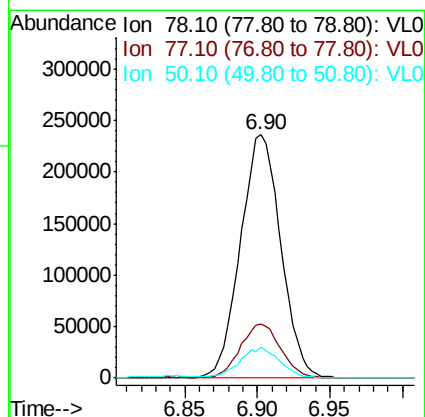
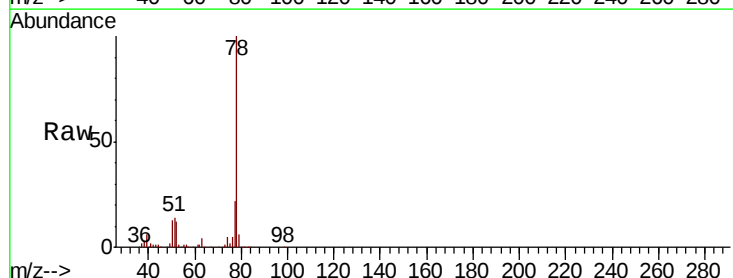
Instrument :
MSVOA_L
ClientSampleId :
SSMP-2

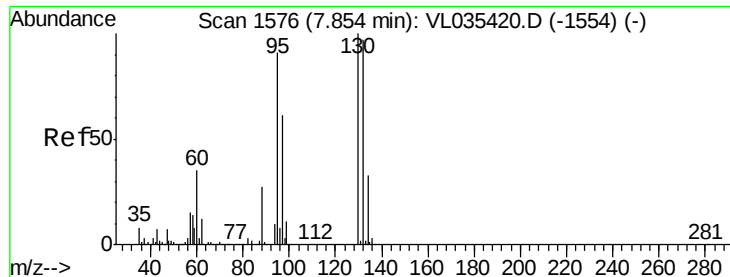
Tot Ion	Ratio	Lower	Upper
117	100		
119	86.2	76.1	114.1
121	30.6	25.5	38.3



#36
Benzene
Concen: 1.236 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. -0.00 min
Lab File: VL035476.D
Acq: 20 Aug 2020 15:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	19.6	29.4
50	12.9	16.3	24.5#





#38

Trichloroethene

Concen: 39.882 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

SSMP-2

Tot Ion:130 Resp: 8200134

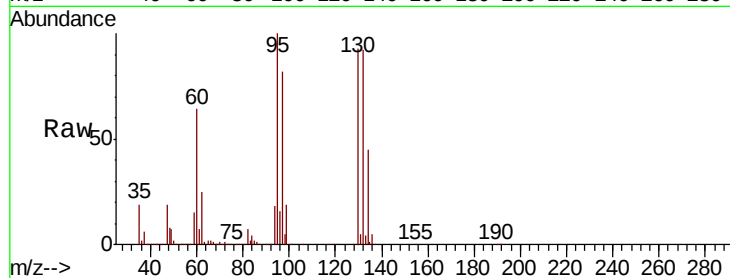
Ion Ratio Lower Upper

130 100

95 107.1 95.8 143.8

132 98.6 74.3 111.5

97 88.2 62.6 94.0

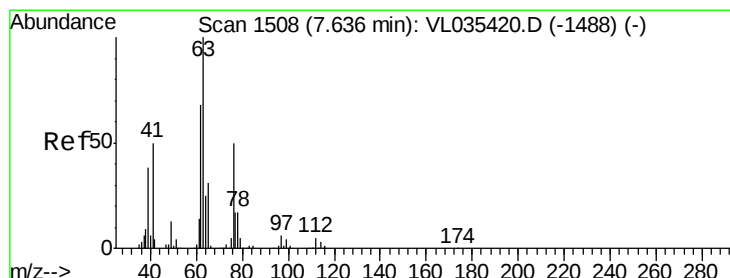
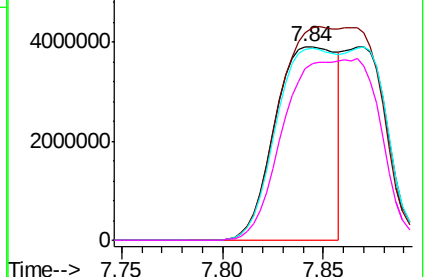
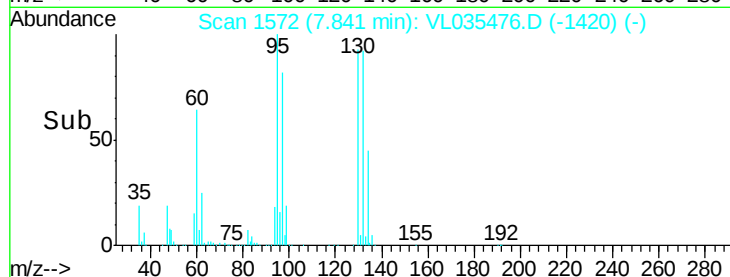


Abundance Ion 130.00 (129.70 to 130.70): V

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: 0.347 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.22 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

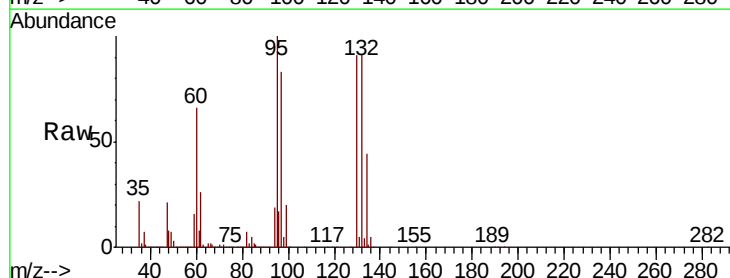
Tgt Ion: 63 Resp: 42271

Ion Ratio Lower Upper

63 100

41 4.4 61.1 91.7#

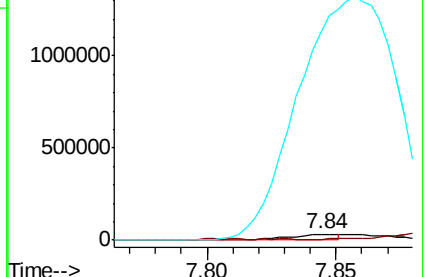
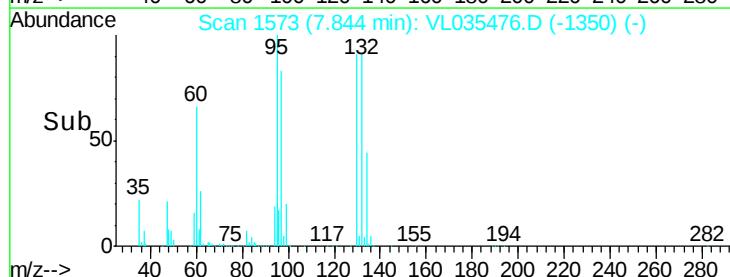
62 3680.9 55.3 82.9#

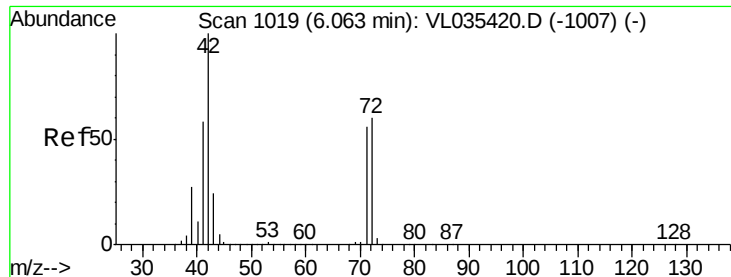


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 2.144 ppbv

RT: 6.07 min Scan# 1022

Delta R.T. 0.02 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

SSMP-2

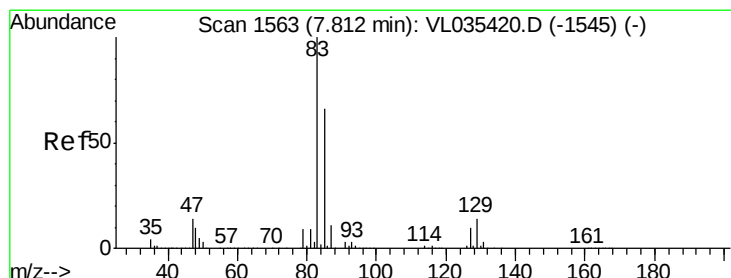
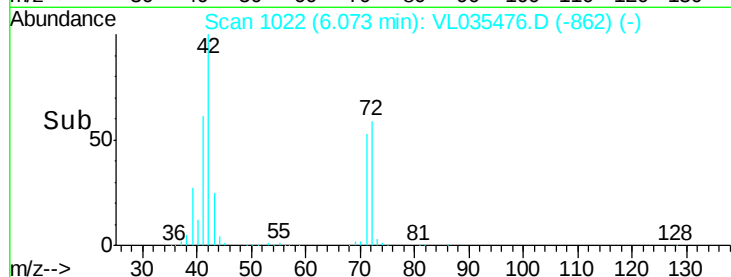
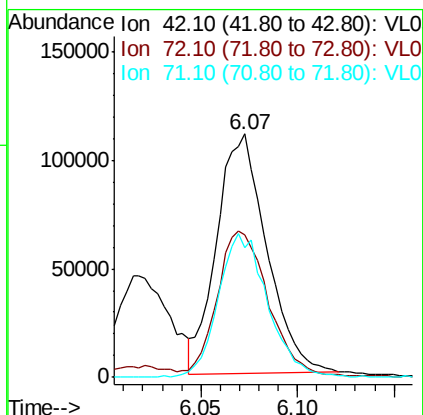
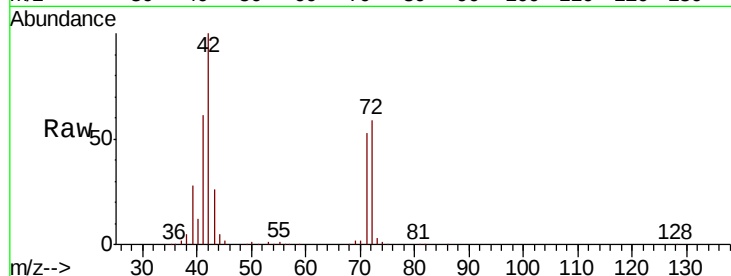
Tot Ion: 42 Resp: 198993

Ion Ratio Lower Upper

42 100

72 69.0 29.4 44.2#

71 59.5 28.9 43.3#



#42

Bromodichloromethane

Concen: 0.754 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.04 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

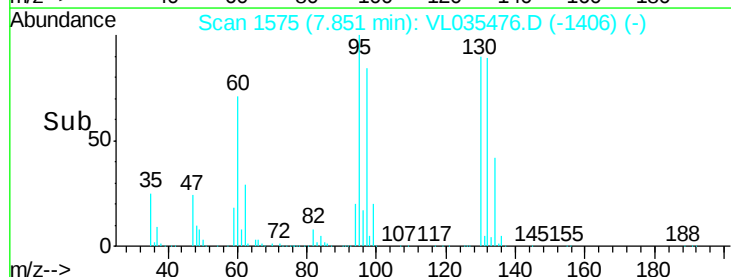
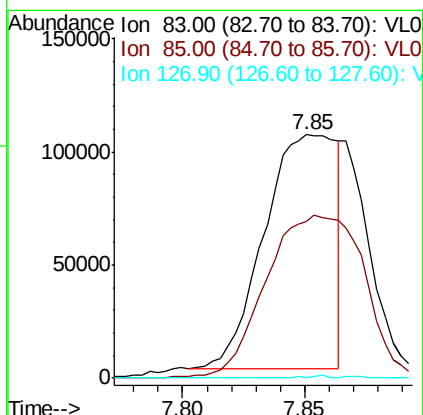
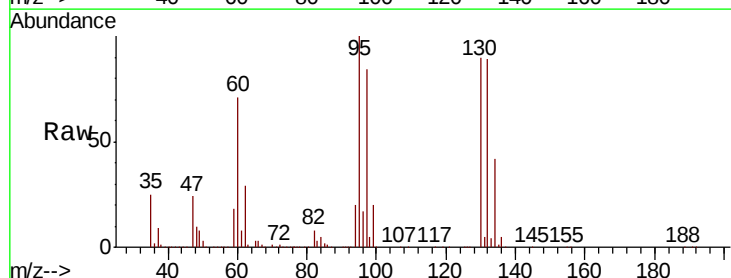
Tgt Ion: 83 Resp: 213041

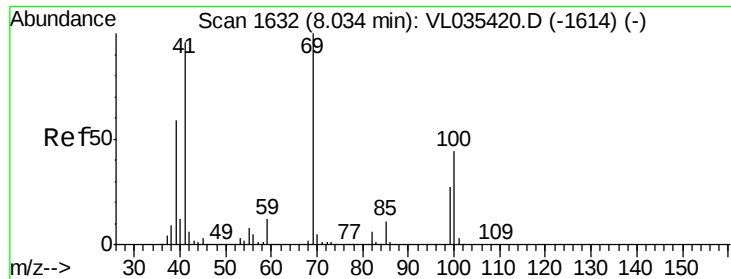
Ion Ratio Lower Upper

83 100

85 66.4 54.8 82.2

127 0.2 6.1 9.1#

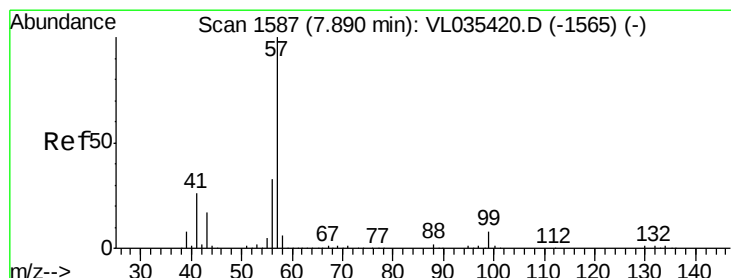
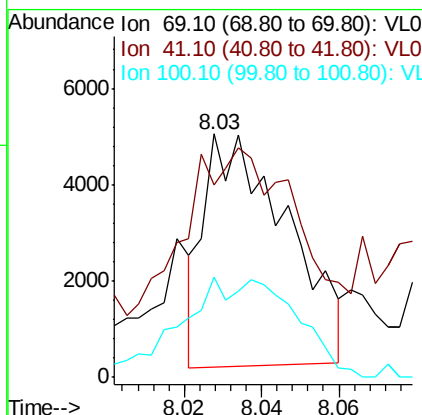
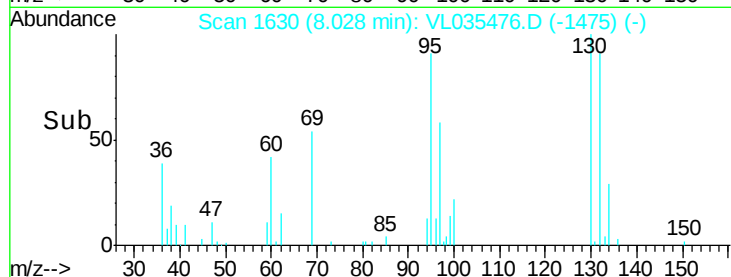
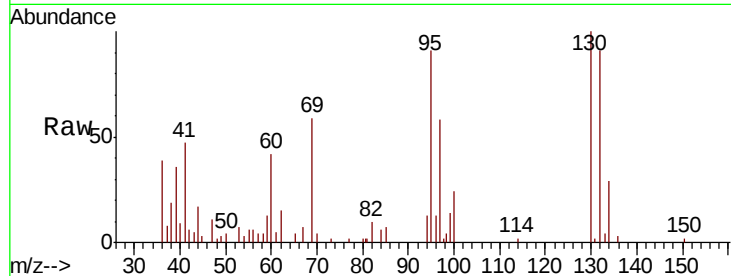




#43
Methyl Methacrylate
Concen: 0.050 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VL035476.D
Acq: 20 Aug 2020 15:49

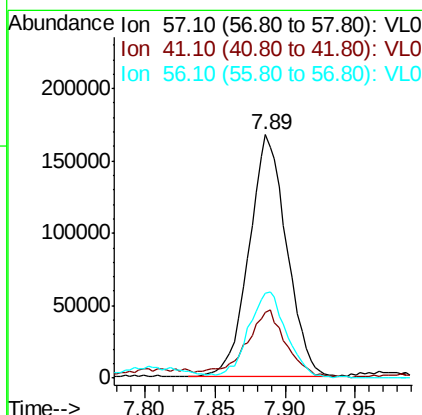
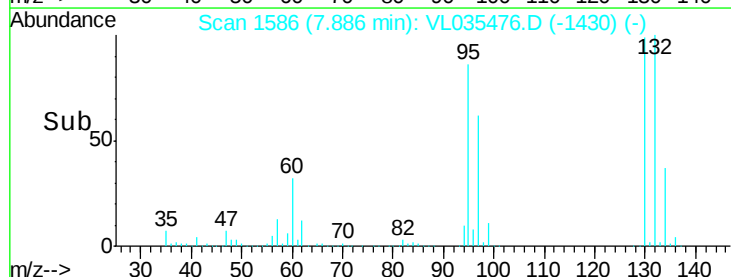
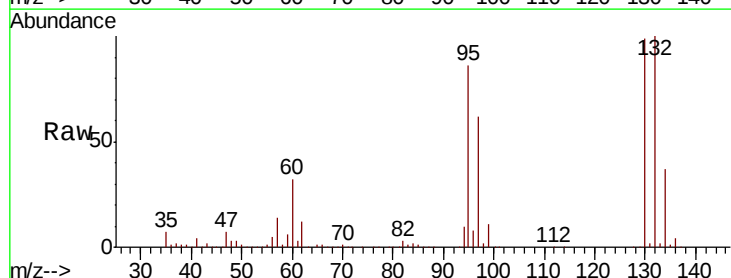
Instrument :
MSVOA_L
ClientSampleId :
SSMP-2

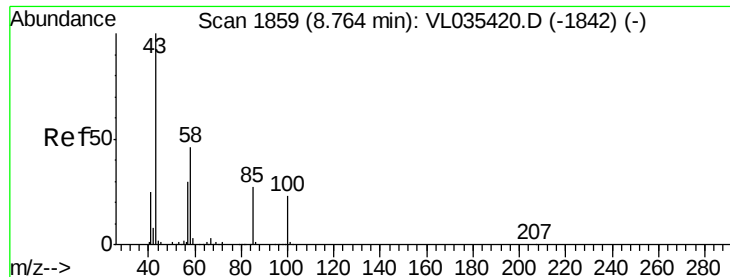
Tot Ion: 69 Resp: 7176
Ion Ratio Lower Upper
69 100
41 177.4 123.4 185.0
100 56.9 24.2 36.4#



#44
2,2,4-Trimethylpentane
Concen: 0.648 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VL035476.D
Acq: 20 Aug 2020 15:49

Tgt Ion: 57 Resp: 312696
Ion Ratio Lower Upper
57 100
41 30.6 27.2 40.8
56 36.2 25.4 38.0

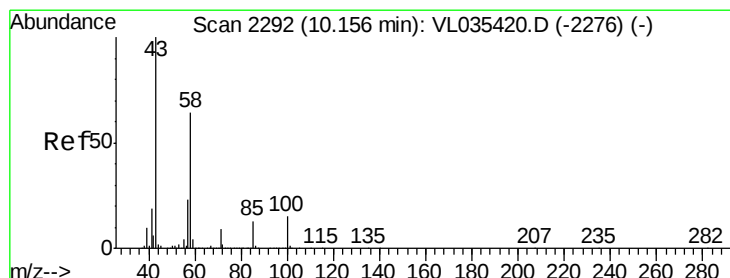
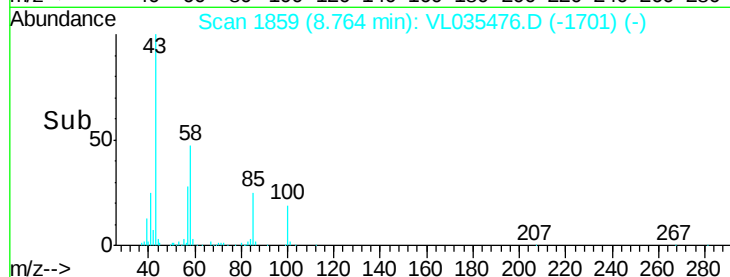
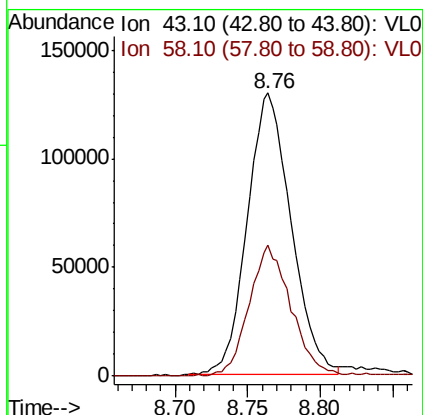
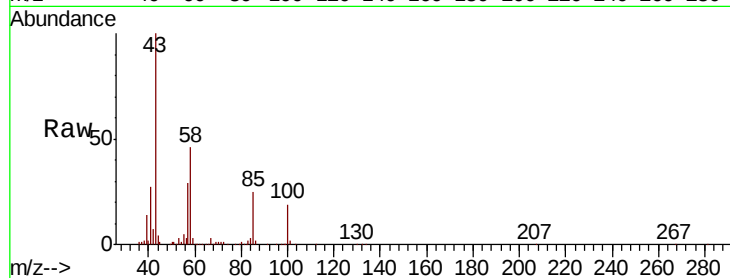




#50
 4-Methyl-2-Pentanone
 Concen: 1.133 ppbv
 RT: 8.76 min Scan# 1859
 Delta R.T. 0.01 min
 Lab File: VL035476.D
 Acq: 20 Aug 2020 15:49

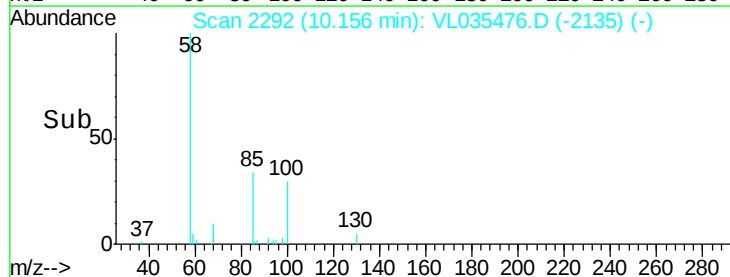
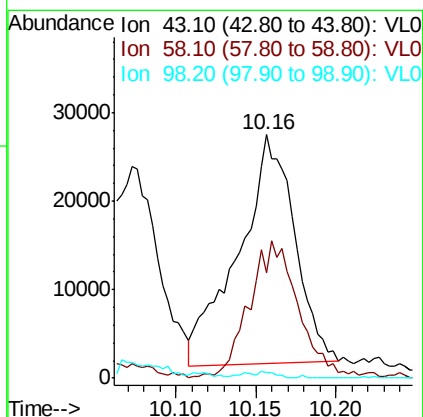
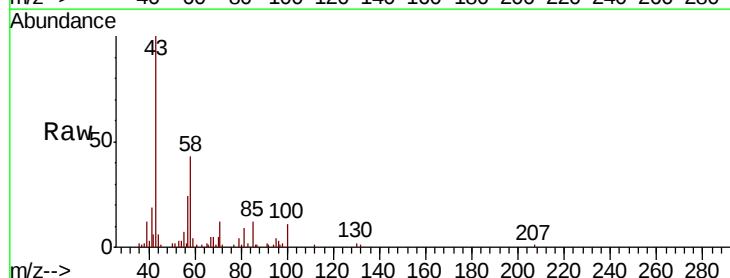
Instrument :
 MSVOA_L
 ClientSampleID :
 SSMP-2

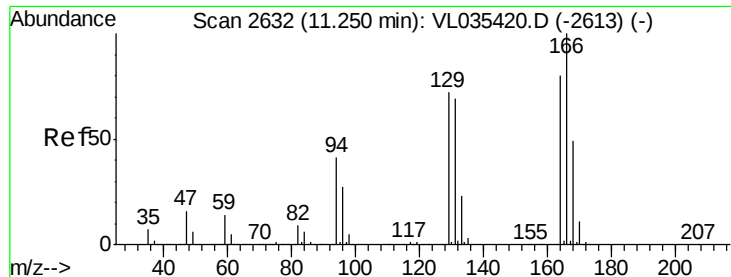
Tot Ion: 43 Resp: 273568
 Ion Ratio Lower Upper
 43 100
 58 45.7 28.7 43.1#



#51
 2-Hexanone
 Concen: 0.308 ppbv
 RT: 10.16 min Scan# 2292
 Delta R.T. 0.01 min
 Lab File: VL035476.D
 Acq: 20 Aug 2020 15:49

Tgt Ion: 43 Resp: 62582
 Ion Ratio Lower Upper
 43 100
 58 53.9 38.6 58.0
 98 1.6 0.2 0.2#





#52

Tetrachloroethene

Concen: 30.550 ppbv

RT: 11.24 min Scan# 2630

Delta R.T. -0.00 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

SSMP-2

Tot Ion:164 Resp: 6887910

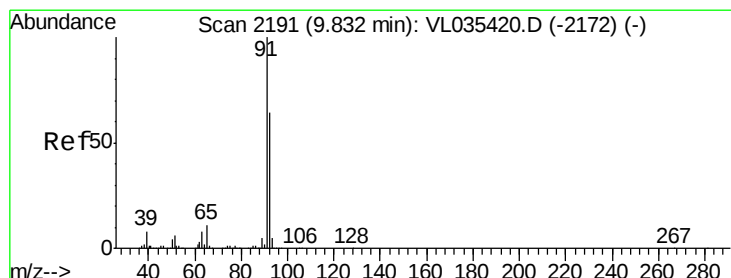
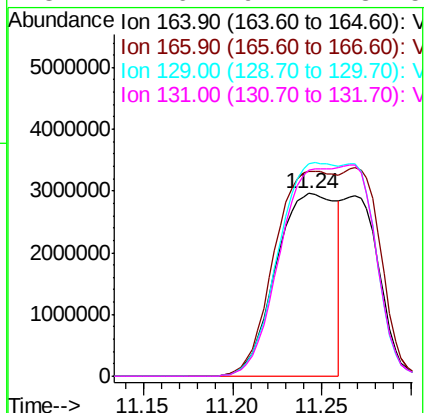
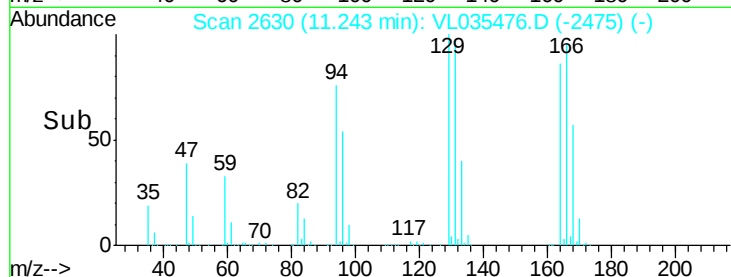
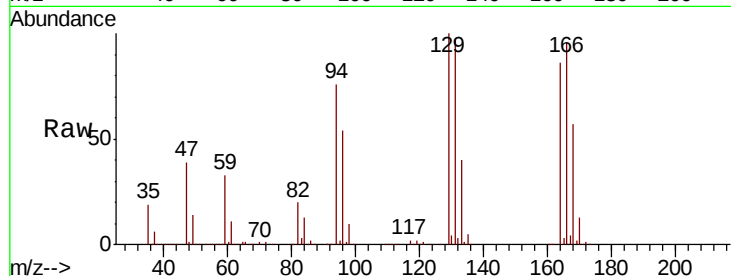
Ion Ratio Lower Upper

164 100

166 112.3 103.4 155.0

129 116.5 90.2 135.4

131 112.6 91.7 137.5



#53

Toluene

Concen: 5.490 ppbv

RT: 9.82 min Scan# 2189

Delta R.T. 0.00 min

Lab File: VL035476.D

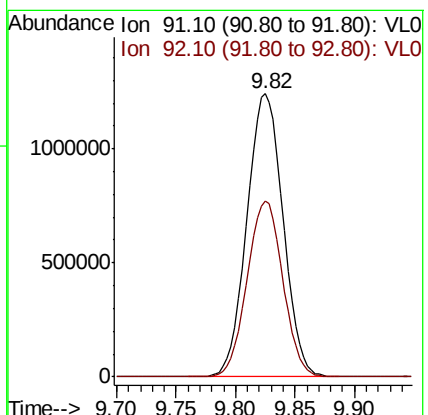
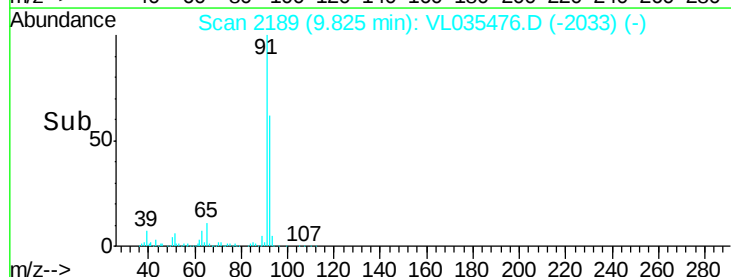
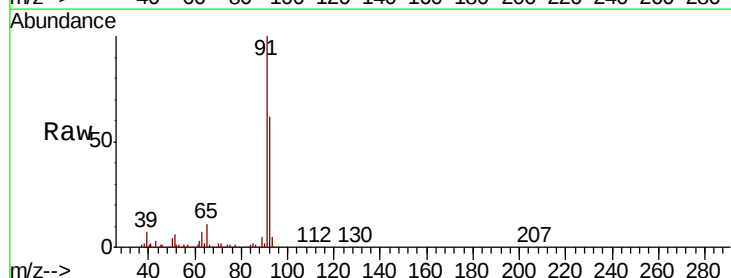
Acq: 20 Aug 2020 15:49

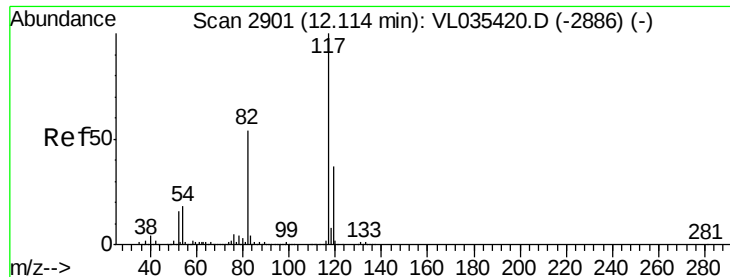
Tgt Ion: 91 Resp: 2613653

Ion Ratio Lower Upper

91 100

92 61.6 49.1 73.7

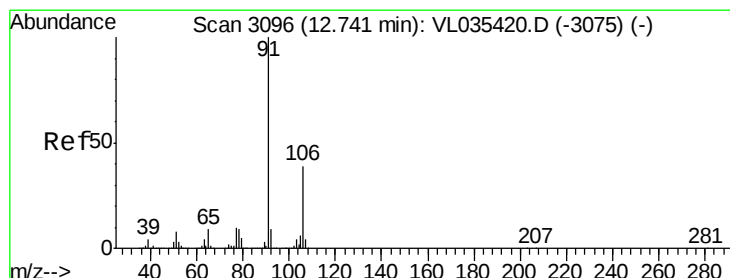
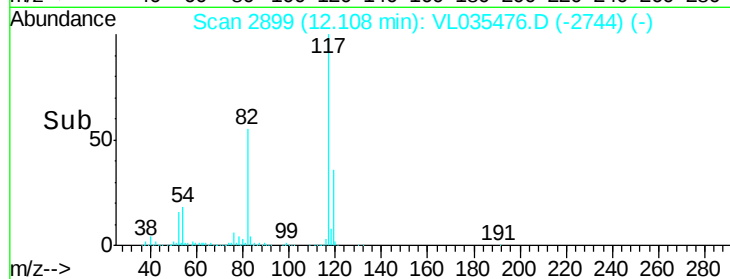
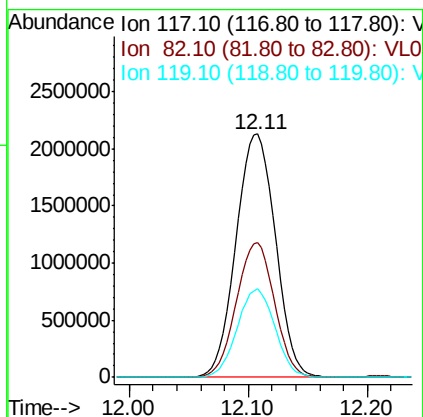
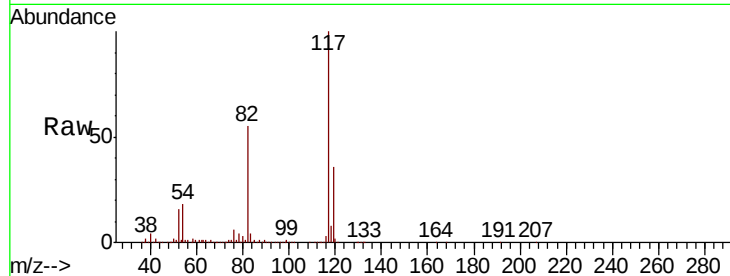




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL035476.D
Acq: 20 Aug 2020 15:49

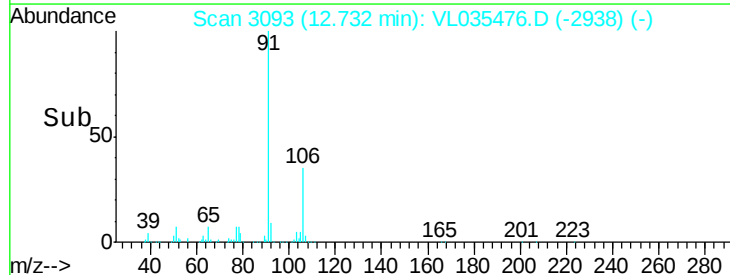
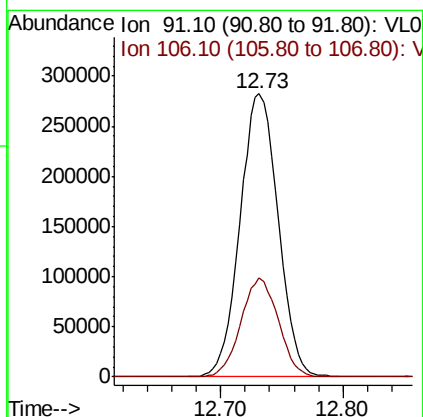
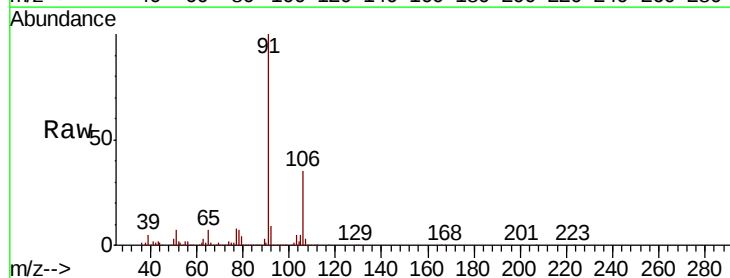
Instrument :
MSVOA_L
ClientSampleId :
SSMP-2

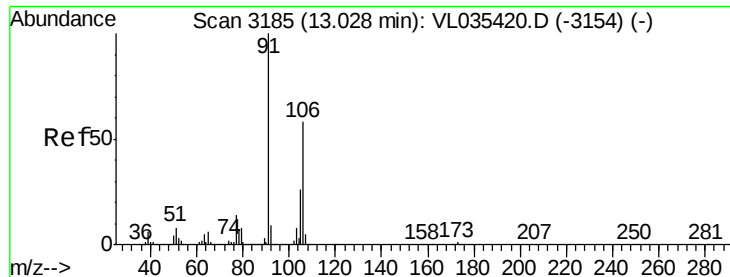
Tot Ion:117 Resp: 4887882
Ion Ratio Lower Upper
117 100
82 53.6 57.4 86.0#
119 35.0 28.4 42.6



#58
Ethyl Benzene
Concen: 1.030 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.00 min
Lab File: VL035476.D
Acq: 20 Aug 2020 15:49

Tgt Ion: 91 Resp: 607823
Ion Ratio Lower Upper
91 100
106 34.9 24.1 36.1





#59

m/p-Xylene

Concen: 3.890 ppbv

RT: 12.99 min Scan# 3172

Delta R.T. -0.04 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

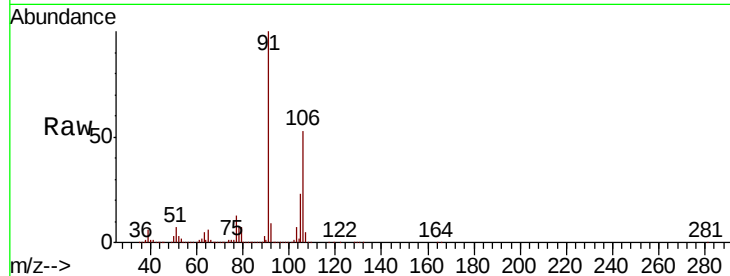
SSMP-2

Tot Ion: 91 Resp: 1940210

Ion Ratio Lower Upper

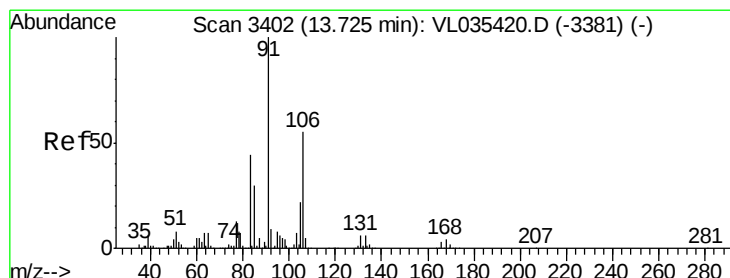
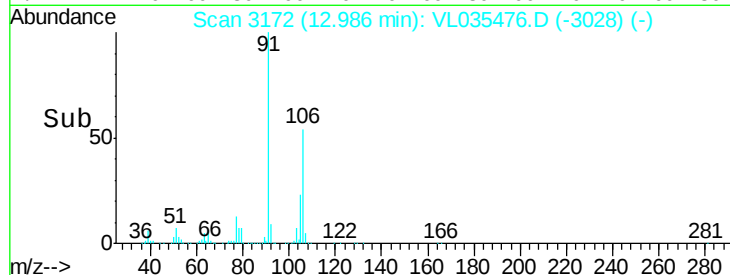
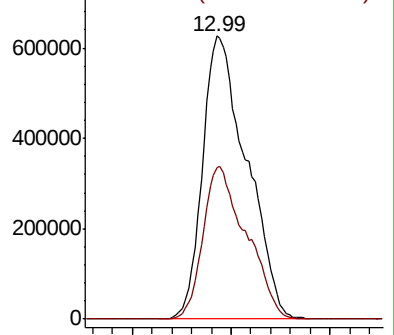
91 100

106 53.0 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: 1.573 ppbv

RT: 13.71 min Scan# 3398

Delta R.T. -0.00 min

Lab File: VL035476.D

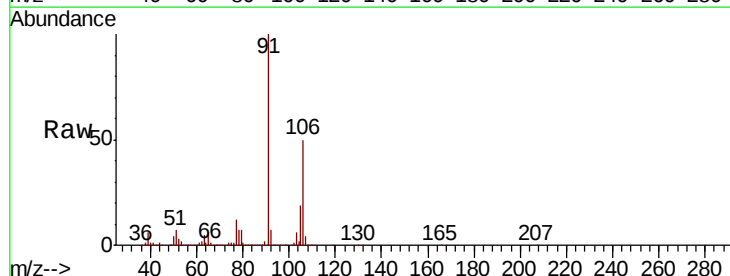
Acq: 20 Aug 2020 15:49

Tgt Ion: 91 Resp: 762466

Ion Ratio Lower Upper

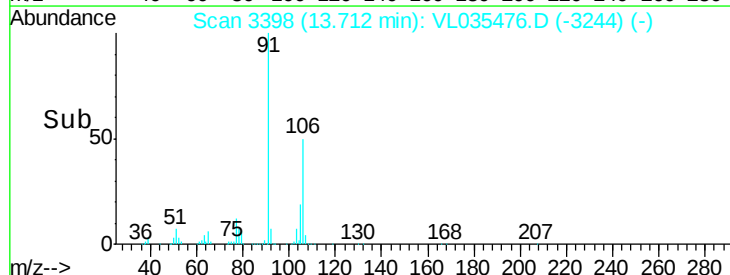
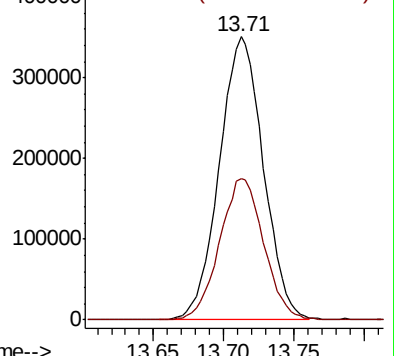
91 100

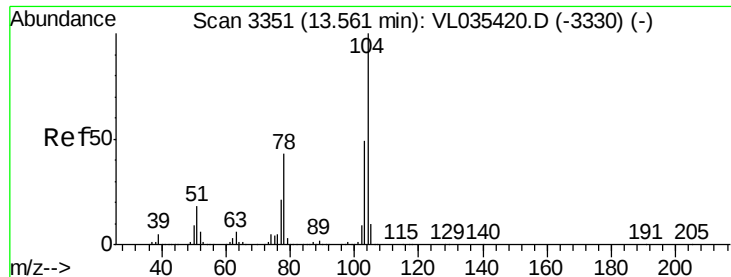
106 50.2 21.8 65.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 0.221 ppbv

RT: 13.55 min Scan# 3346

Delta R.T. -0.01 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

SSMP-2

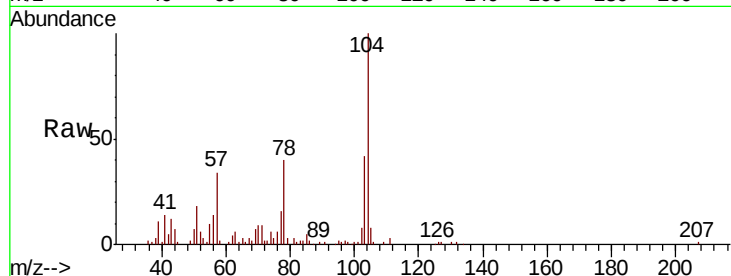
Tot Ion:104 Resp: 86386

Ion Ratio Lower Upper

104 100

78 42.2 45.4 68.2#

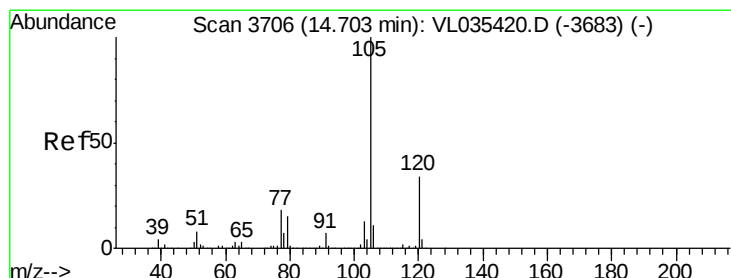
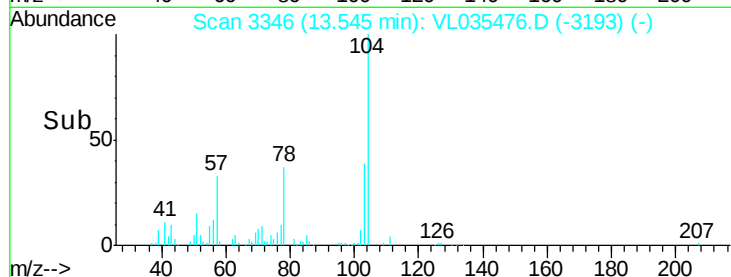
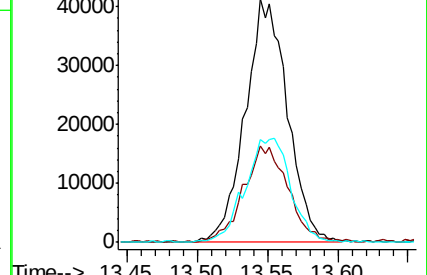
103 45.9 37.8 56.8



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: 0.087 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. -0.00 min

Lab File: VL035476.D

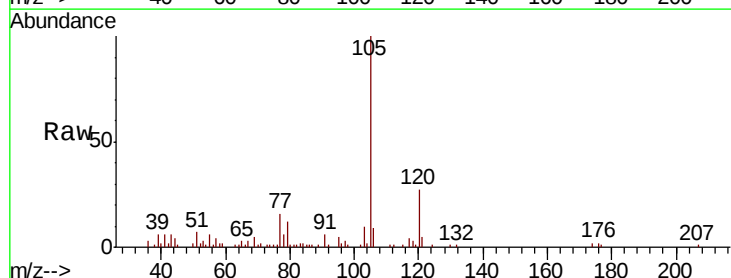
Acq: 20 Aug 2020 15:49

Tgt Ion:105 Resp: 69192

Ion Ratio Lower Upper

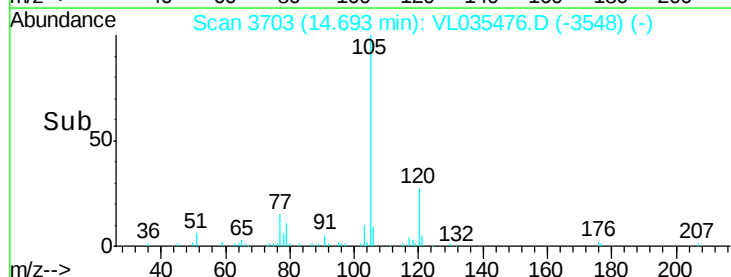
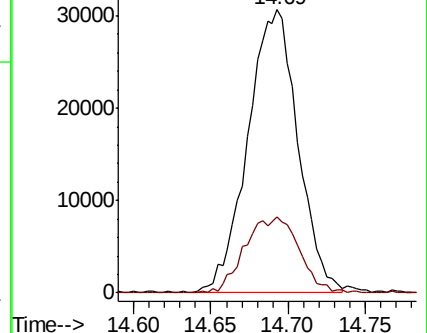
105 100

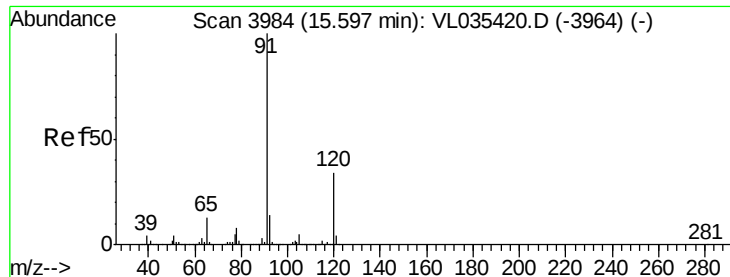
120 28.8 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.168 ppbv

RT: 15.59 min Scan# 3982

Delta R.T. 0.00 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

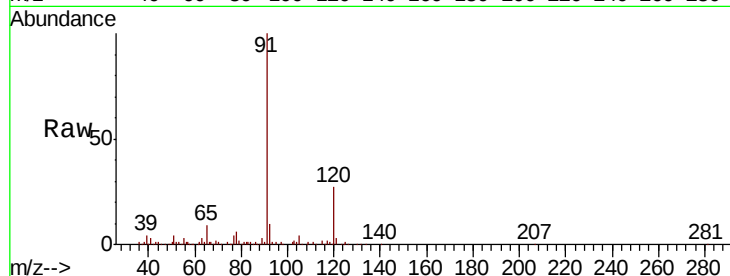
SSMP-2

Tot Ion:120 Resp: 41221

Ion Ratio Lower Upper

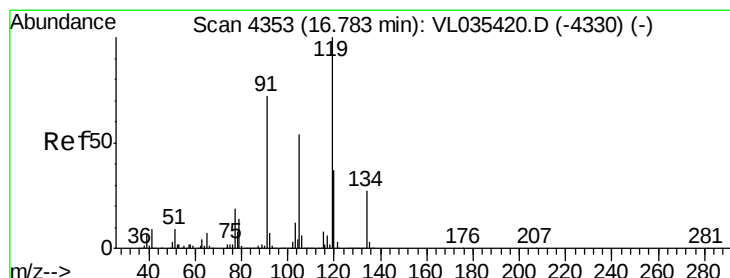
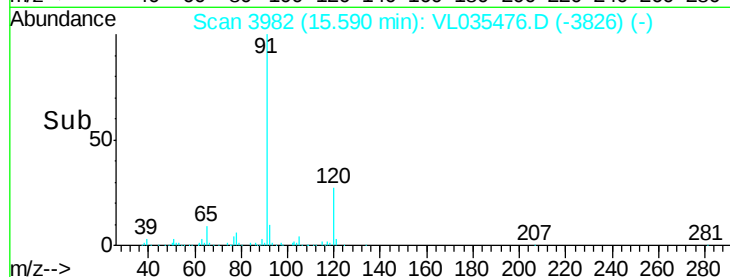
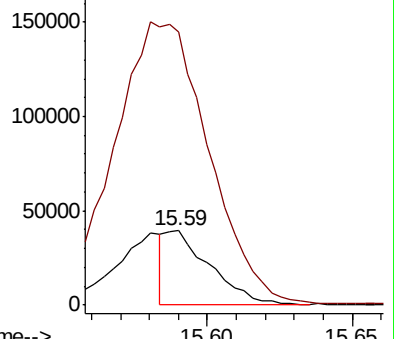
120 100

91 0.0 385.5 578.3#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.348 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.01 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

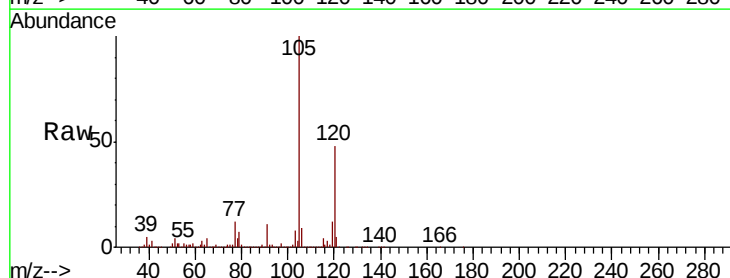
Tgt Ion:119 Resp: 268615

Ion Ratio Lower Upper

119 100

91 83.8 72.0 108.0

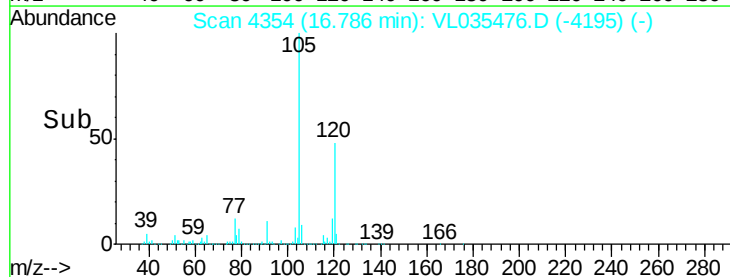
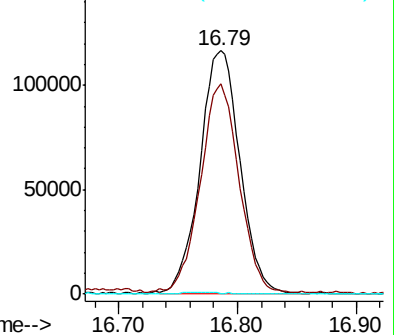
134 1.0 15.7 23.5#

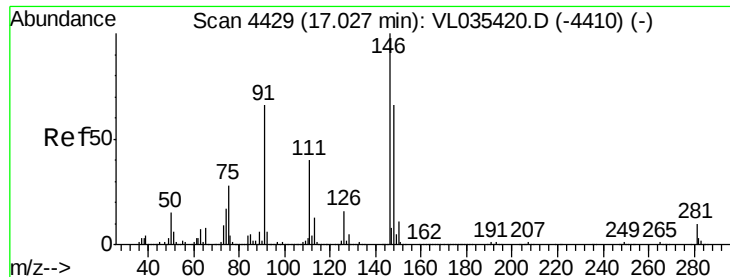


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

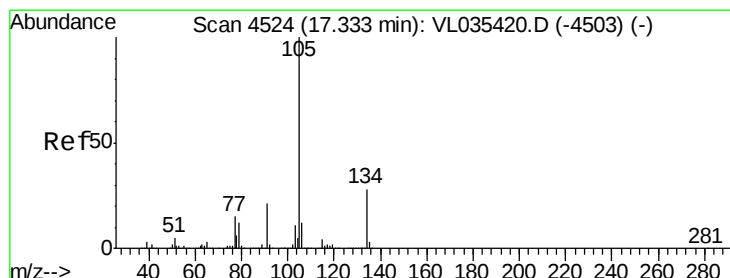
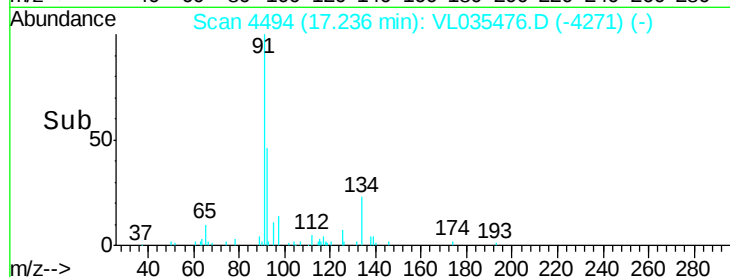
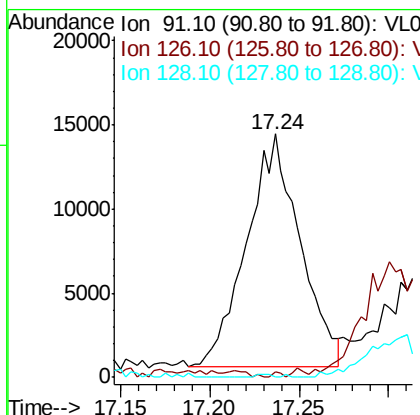
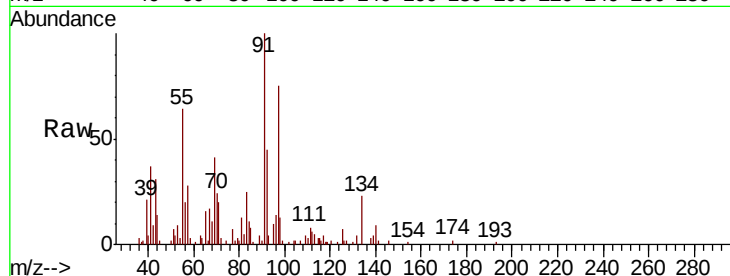




#66
Benzyl Chloride
Concen: 0.154 ppbv
RT: 17.24 min Scan# 4494
Delta R.T. 0.22 min
Lab File: VL035476.D
Acq: 20 Aug 2020 15:49

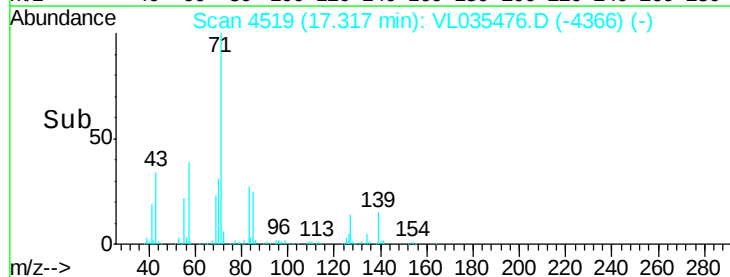
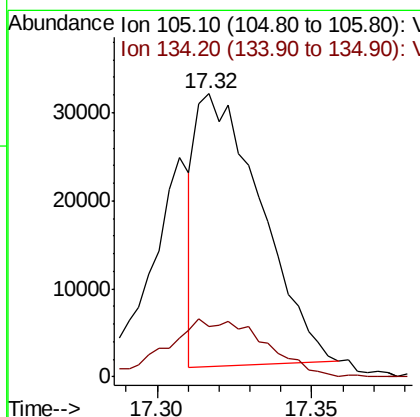
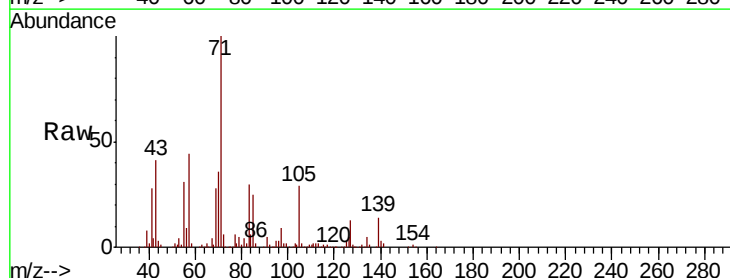
Instrument :
MSVOA_L
ClientSampleId :
SSMP-2

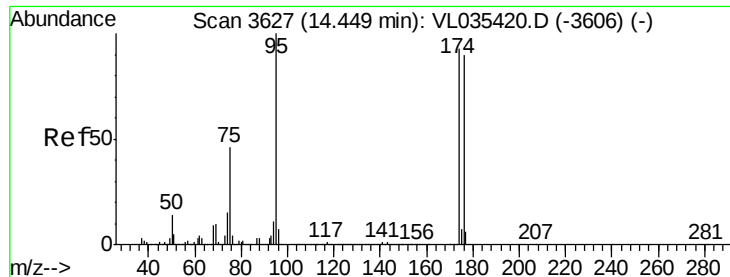
Tot Ion	Ratio	Lower	Upper
91	100		
126	2.1	13.3	19.9#
128	0.0	4.1	6.1#



#67
sec-Butylbenzene
Concen: 0.044 ppbv
RT: 17.32 min Scan# 4519
Delta R.T. -0.01 min
Lab File: VL035476.D
Acq: 20 Aug 2020 15:49

Tgt Ion	Ratio	Lower	Upper
105	100		
134	32.4	14.1	21.1#

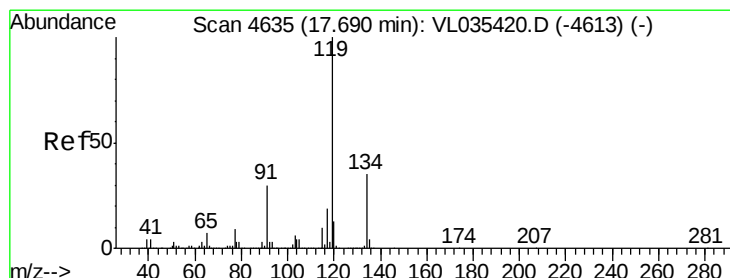
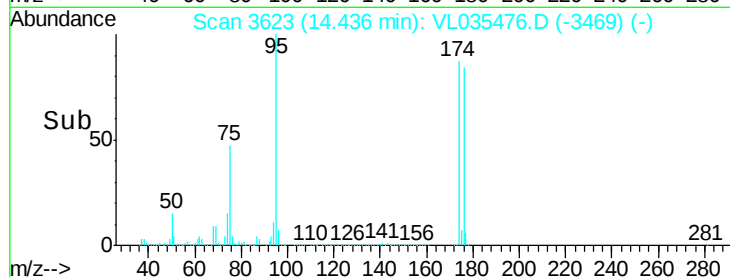
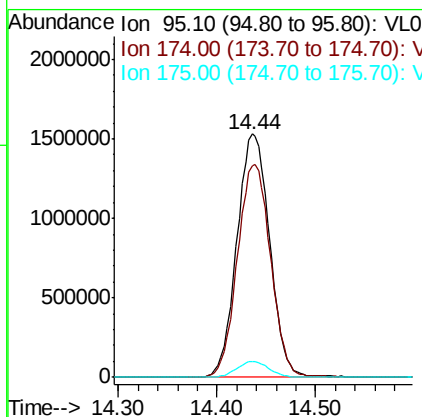
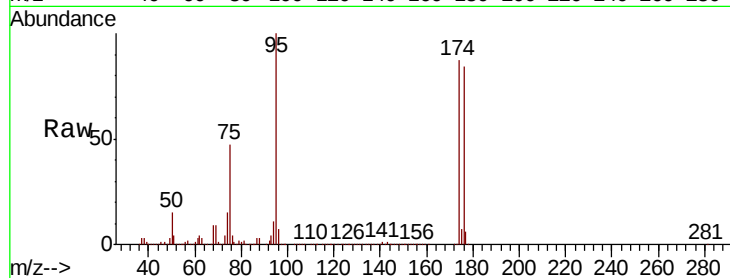




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.300 ppbv
 RT: 14.44 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VL035476.D
 Acq: 20 Aug 2020 15:49

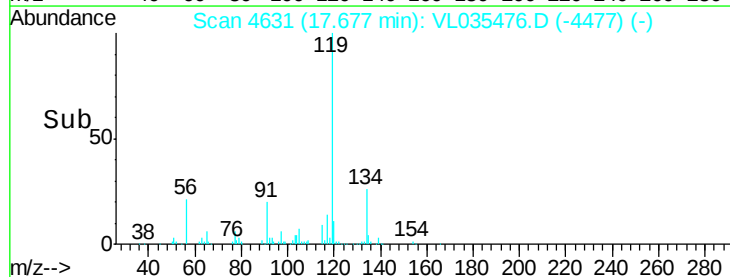
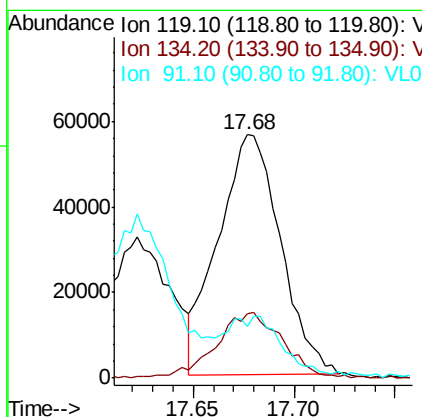
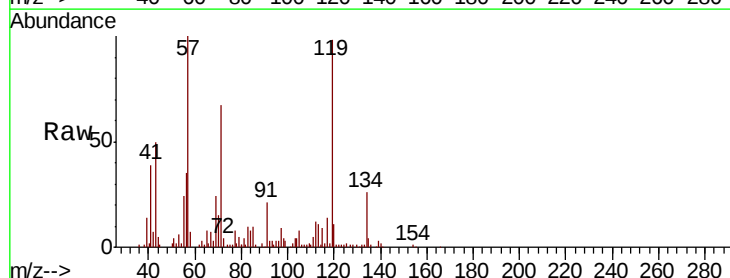
Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-2

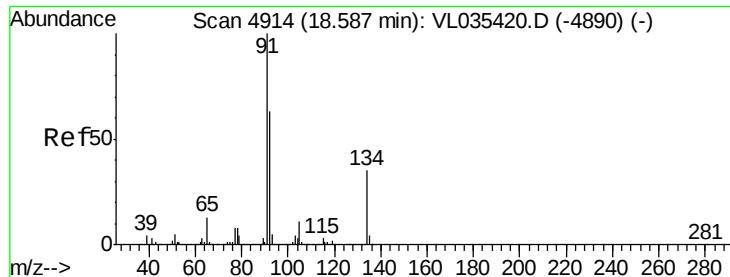
Tot Ion: 95 Resp: 3524418
 Ion Ratio Lower Upper
 95 100
 174 89.1 44.0 66.0#
 175 6.4 3.2 4.8#



#69
 p-Isopropyltoluene
 Concen: 0.134 ppbv
 RT: 17.68 min Scan# 4631
 Delta R.T. -0.00 min
 Lab File: VL035476.D
 Acq: 20 Aug 2020 15:49

Tgt Ion: 119 Resp: 120715
 Ion Ratio Lower Upper
 119 100
 134 29.4 20.6 30.8
 91 22.0 26.6 39.8#

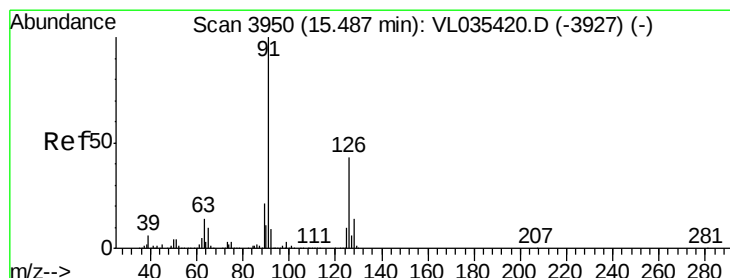
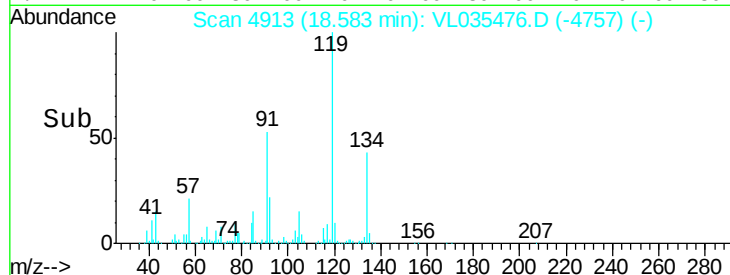
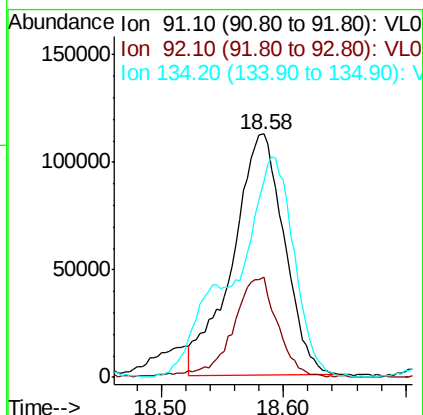
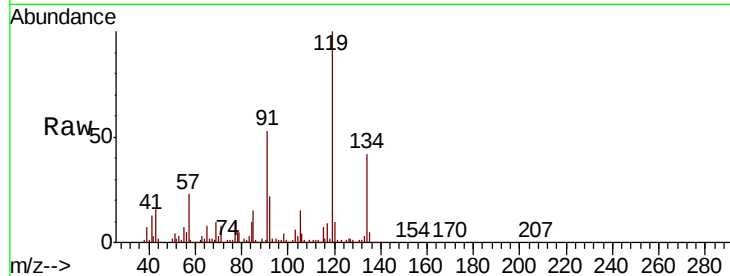




#70
n-Butylbenzene
Concen: 0.387 ppbv
RT: 18.58 min Scan# 4913
Delta R.T. 0.00 min
Lab File: VL035476.D
Acq: 20 Aug 2020 15:49

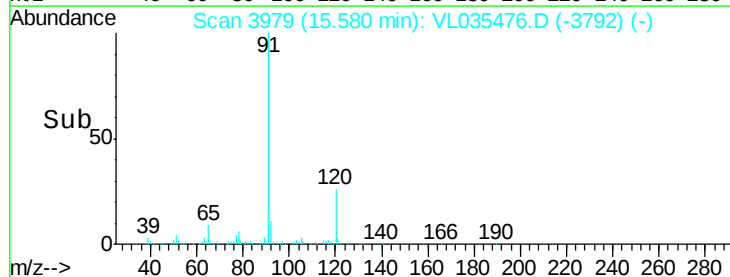
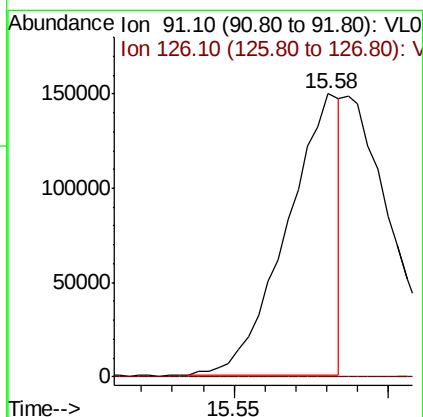
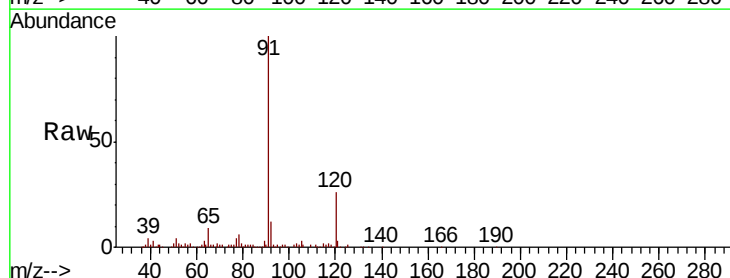
Instrument :
MSVOA_L
ClientSampleId :
SSMP-2

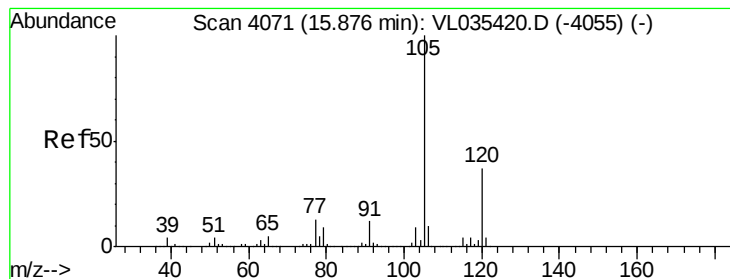
Tot Ion: 91 Resp: 329497
Ion Ratio Lower Upper
91 100
92 35.9 44.8 67.2#
134 107.3 17.3 25.9#



#71
2-Chlorotoluene
Concen: 0.308 ppbv
RT: 15.58 min Scan# 3979
Delta R.T. 0.10 min
Lab File: VL035476.D
Acq: 20 Aug 2020 15:49

Tgt Ion: 91 Resp: 177603
Ion Ratio Lower Upper
91 100
126 0.5 11.4 45.6#





#72

4-Ethyltoluene

Concen: 0.847 ppbv

RT: 15.86 min Scan# 4066

Delta R.T. -0.01 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

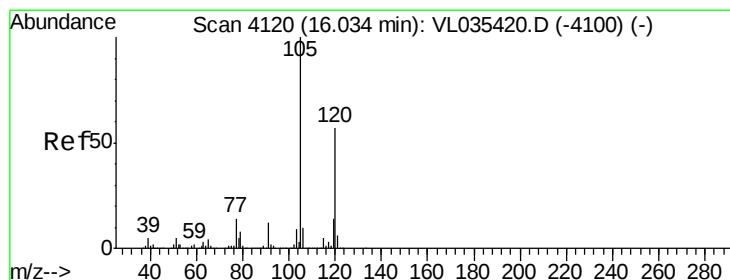
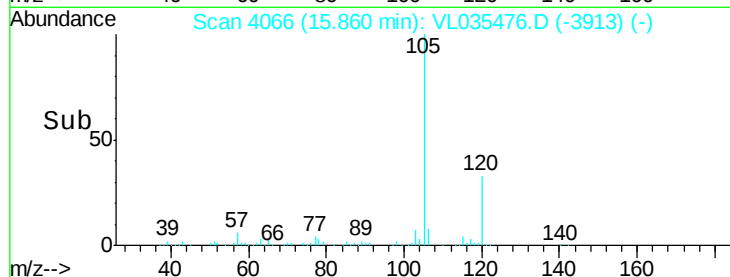
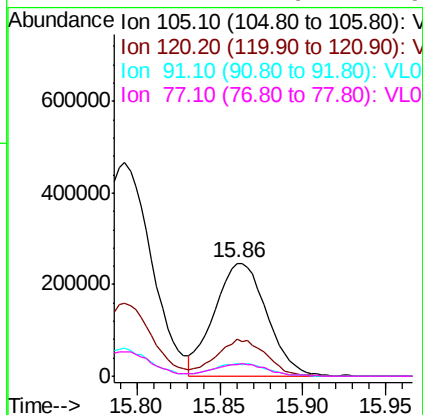
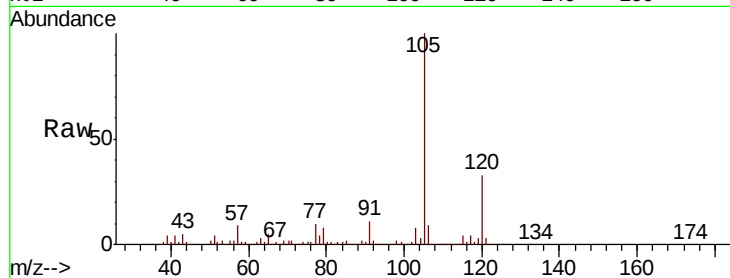
Instrument :

MSVOA_L

ClientSampleId :

SSMP-2

Tot Ion:105	Resp:	539165
Ion Ratio	Lower	Upper
105	100	
120	32.2	22.7 34.1
91	11.8	10.8 16.2
77	11.2	11.9 17.9#



#73

1,3,5-Trimethylbenzene

Concen: 0.931 ppbv

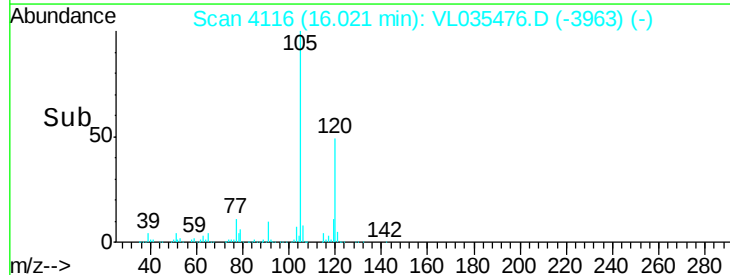
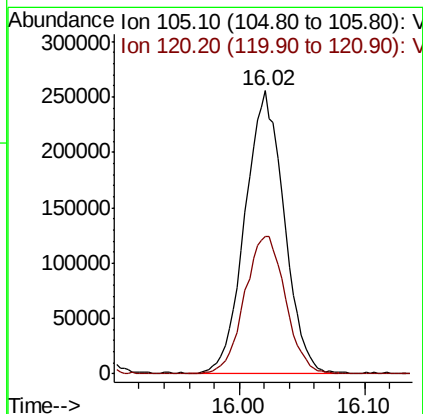
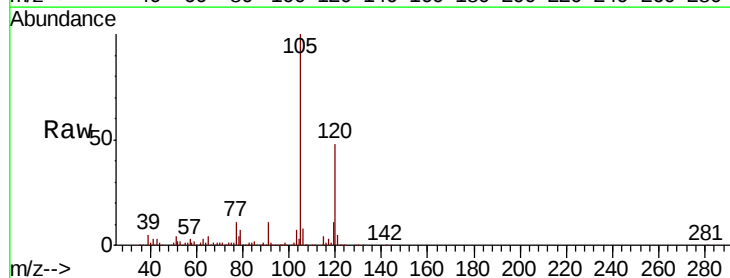
RT: 16.02 min Scan# 4116

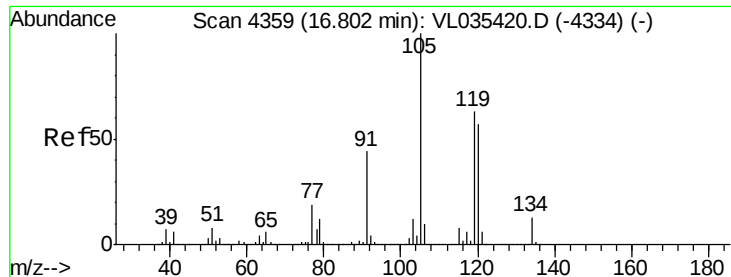
Delta R.T. -0.01 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

Tgt Ion:105	Resp:	550871
Ion Ratio	Lower	Upper
105	100	
120	48.5	35.6 53.4





#74

1,2,4-Trimethylbenzene

Concen: 3.403 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. -0.01 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

Instrument :

MSVOA_L

ClientSampled :

SSMP-2

Tot Ion:105 Resp: 218850

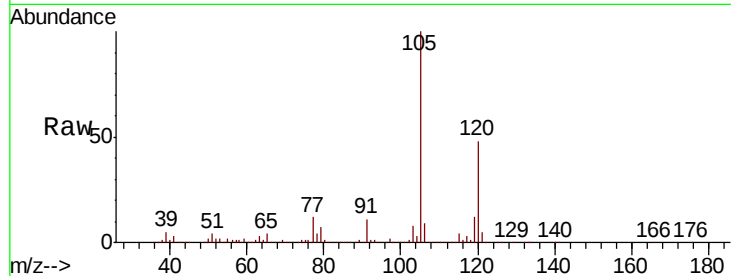
Ion Ratio Lower Upper

105 100

120 48.4 37.8 56.8

91 10.5 40.0 60.0#

77 12.1 18.8 28.2#



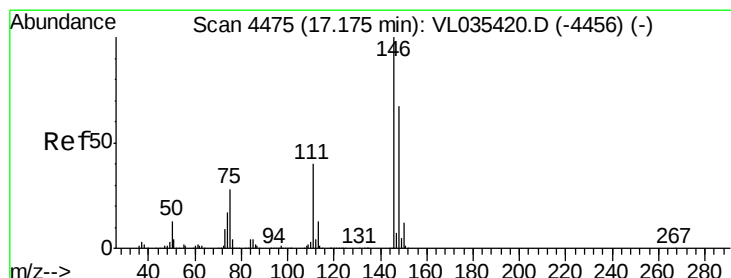
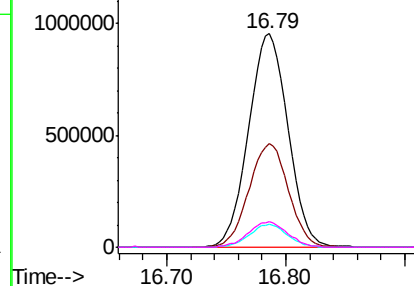
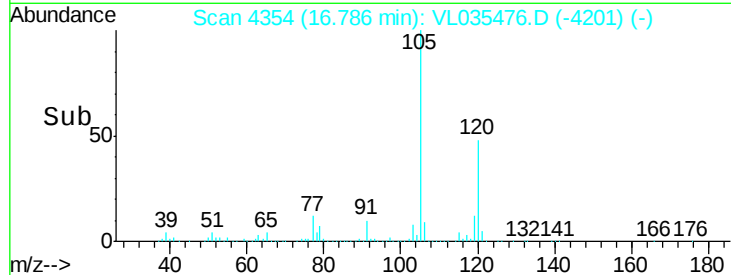
Abundance

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



#76

1,4-Dichlorobenzene

Concen: 0.036 ppbv

RT: 17.16 min Scan# 4470

Delta R.T. -0.01 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

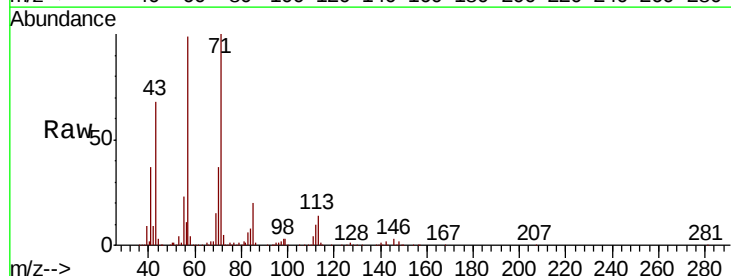
Tgt Ion:146 Resp: 17733

Ion Ratio Lower Upper

146 100

111 117.8 24.8 74.4#

148 65.9 32.1 96.3

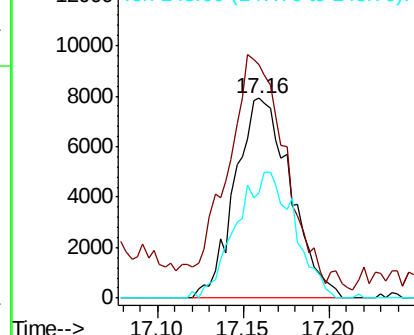
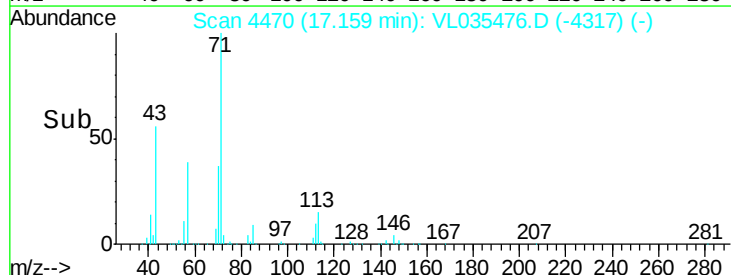


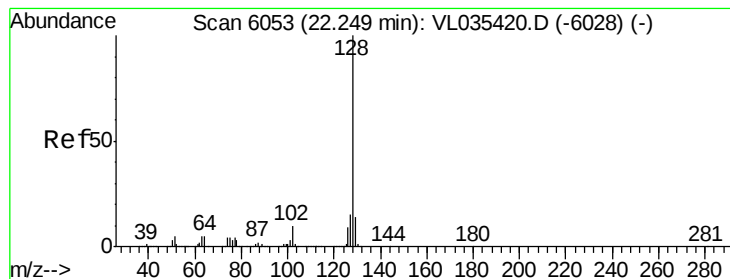
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#79

Naphthalene

Concen: 1.257 ppbv

RT: 22.23 min Scan# 6048

Delta R.T. -0.01 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

Instrument :

MSVOA_L

ClientSampled :

SSMP-2

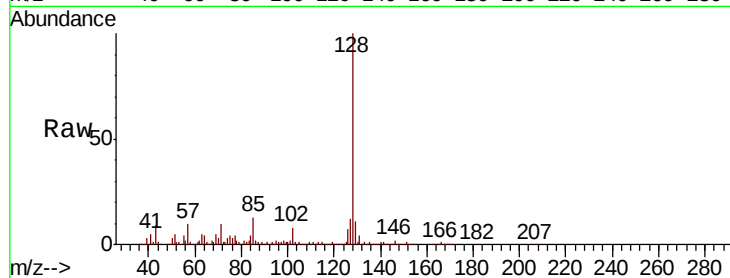
Tot Ion:128 Resp: 1138464

Ion Ratio Lower Upper

128 100

127 12.3 11.4 17.0

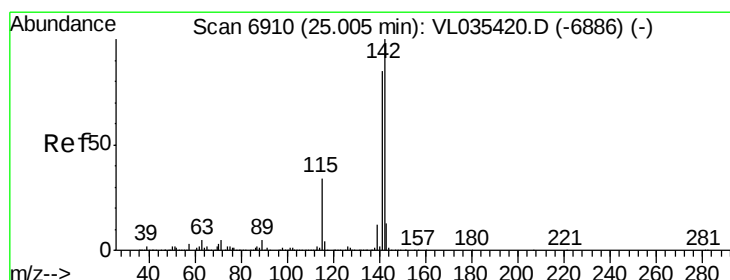
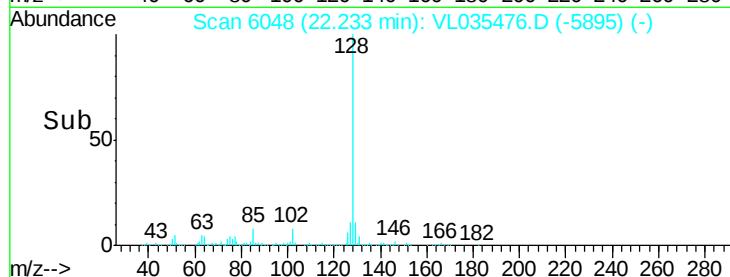
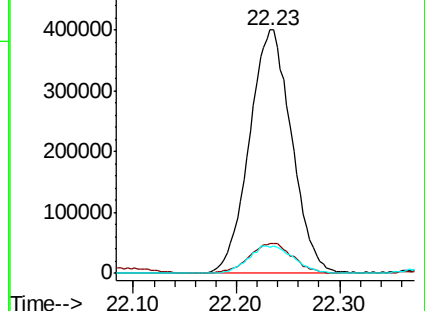
129 10.8 9.5 14.3



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: 1.057 ppbv

RT: 25.00 min Scan# 6908

Delta R.T. -0.00 min

Lab File: VL035476.D

Acq: 20 Aug 2020 15:49

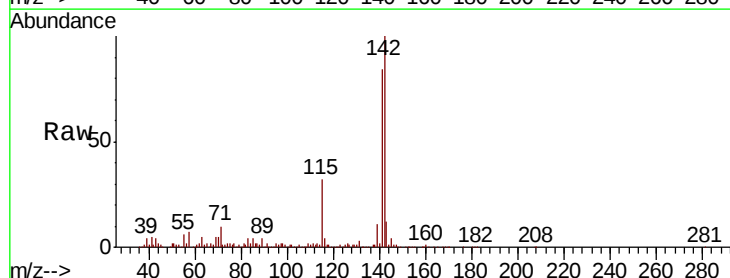
Tgt Ion:142 Resp: 395525

Ion Ratio Lower Upper

142 100

141 84.0 67.1 100.7

115 37.7 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

