

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\
 Data File : VL035126.D
 Acq On : 30 Jun 2020 15:38
 Operator : SY/AP
 Sample : L3124-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 01 02:57:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1178625	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.20	114	2823118	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.12	117	2700996	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2299185	10.25	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	36245	0.228 ppbv	95
3) Chlorodifluoromethane	2.95	51	76691	0.589 ppbv #	91
4) Chloromethane	3.10	50	25988	0.356 ppbv #	88
5) Vinyl Chloride	3.22	62	6221	0.090 ppbv #	72
7) Chloroethane	3.53	64	11647	0.445 ppbv #	84
9) Propene	2.97	41	3052936	59.215 ppbv	99
11) Trichlorofluoromethane	3.92	101	104881	0.617 ppbv	92
13) Ethanol	3.59	45	1142360	58.652 ppbv	98
15) Acetone	3.83	43	9081376	63.730 ppbv #	16
16) 1,3-Butadiene	3.32	39	209200	3.347 ppbv #	7
17) tert-Butyl alcohol	4.29	59	1429089	11.316 ppbv	100
18) 1,1-Dichloroethene	4.27	96	183280	3.456 ppbv	98
19) Isopropyl Alcohol	3.96	45	588803	6.364 ppbv #	93
20) Methylene Chloride	4.34	84	266690	4.624 ppbv	94
21) Allyl Chloride	4.29	41	521138	6.154 ppbv #	66
22) trans-1,2-Dichloroethene	4.88	96	56536	1.140 ppbv	95
23) Vinyl Acetate	5.06	43	276700	1.600 ppbv #	91
24) 1,1-Dichloroethane	5.01	63	1658736	11.375 ppbv	100
25) Ethyl Acetate	5.68	43	265930	1.034 ppbv #	83
26) Hexane	5.68	57	273829	2.362 ppbv #	1
28) Methyl tert-Butyl Ether	5.17	73	60791	0.373 ppbv #	1
29) Chloroform	5.77	83	6408	0.035 ppbv #	34
30) Cyclohexane	7.20	84	20767	0.250 ppbv #	1
31) cis-1,2-Dichloroethene	5.56	61	21083	0.197 ppbv #	79
32) 1,1,1-Trichloroethane	6.53	97	73156	0.435 ppbv	99
34) 2-Butanone	5.25	43	17704307	109.202 ppbv #	51
36) Benzene	6.92	78	18875	0.086 ppbv #	89
39) 1,2-Dichloropropane	7.20	63	750716	8.780 ppbv #	32
41) Tetrahydrofuran	6.05	42	16750	0.202 ppbv #	67
42) Bromodichloromethane	7.83	83	27808	0.155 ppbv #	34
43) Methyl Methacrylate	8.07	69	28933	0.313 ppbv #	1
44) 2,2,4-Trimethylpentane	7.89	57	43152	0.113 ppbv #	50
50) 4-Methyl-2-Pentanone	8.76	43	182570	0.793 ppbv	97
51) 2-Hexanone	10.15	43	6524931	36.171 ppbv #	94
53) Toluene	9.84	91	78080	0.335 ppbv #	37
58) Ethyl Benzene	12.75	91	31312	0.103 ppbv	99
59) m/p-Xylene	13.04	91	18250	0.068 ppbv #	31
60) o-Xylene	13.73	91	26757	0.100 ppbv #	33
61) Styrene	13.57	104	21268	0.126 ppbv #	49
63) 1,1,2,2-Tetrachloroethane	13.72	83	9770	0.045 ppbv #	25
69) p-Isopropyltoluene	17.71	119	23910	0.061 ppbv #	1

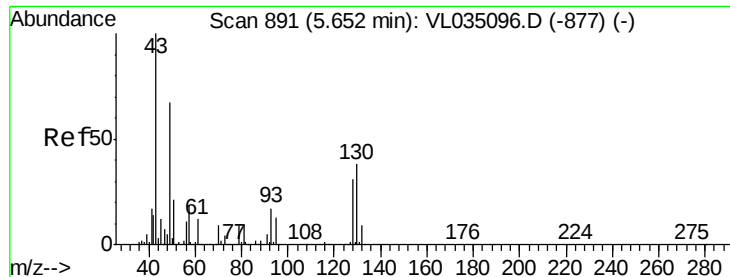
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\
Data File : VL035126.D
Acq On : 30 Jun 2020 15:38
Operator : SY/AP
Sample : L3124-03
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
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Quant Time: Jul 01 02:57:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
QLast Update : Sat Jun 20 02:10:36 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	16.05	105	9753	0.035	ppbv #	77
75) 1,3-Dichlorobenzene	17.05	146	37887	0.202	ppbv #	1
78) Hexachloro-1,3-Butadiene	23.45	225	7980	0.052	ppbv #	18
79) Naphthalene	22.28	128	11658	0.042	ppbv #	81
80) Naphthalene,2-methyl-	25.01	142	17386	0.165	ppbv	92

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.03 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

Instrument :

MSVOA_L

ClientSampleId :

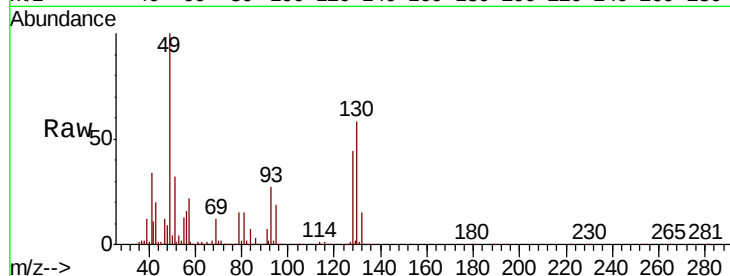
Tot Ion: 49 Resp: 1178625

Ion Ratio Lower Upper

49 100

128 45.9 22.9 68.5

130 59.5 29.0 87.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.68

800000

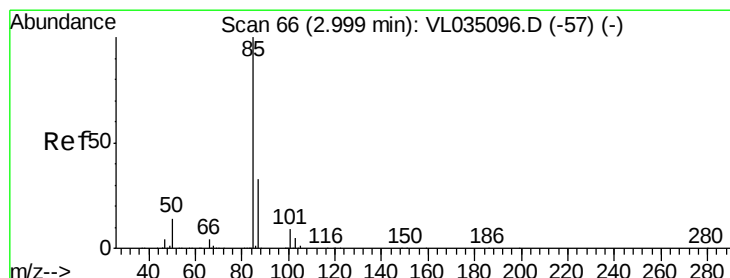
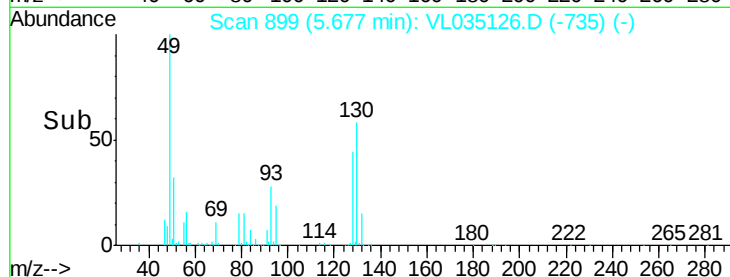
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.228 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL035126.D

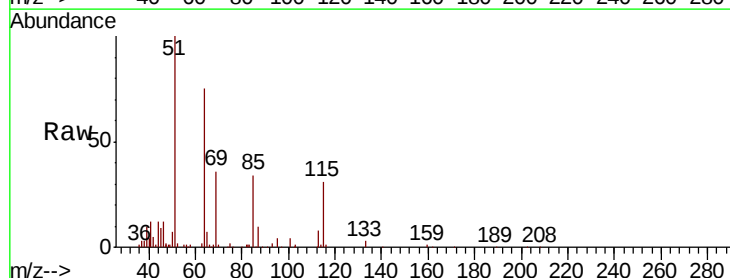
Acq: 30 Jun 2020 15:38

Tgt Ion: 85 Resp: 36245

Ion Ratio Lower Upper

85 100

87 29.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.01

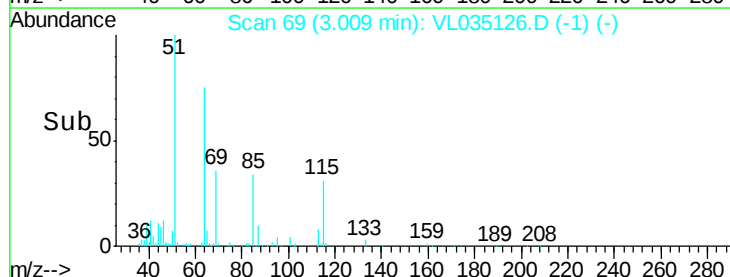
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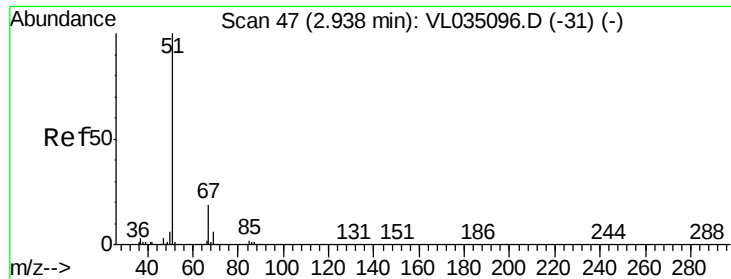
20000

10000

0

Time-->





#3

Chlorodifluoromethane

Concen: 0.589 ppbv

RT: 2.95 min Scan# 51

Delta R.T. 0.01 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

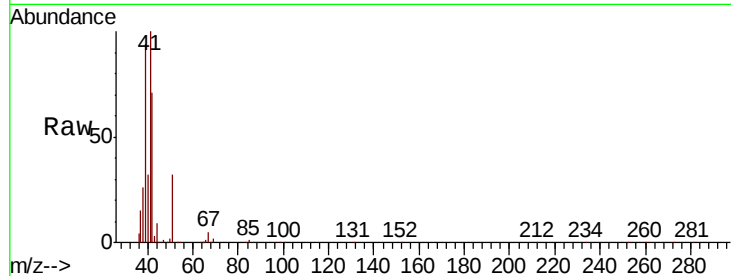
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 76691

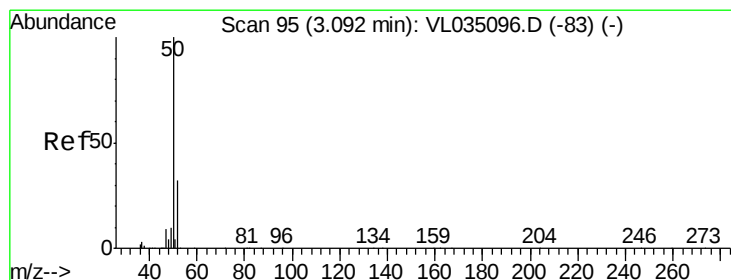
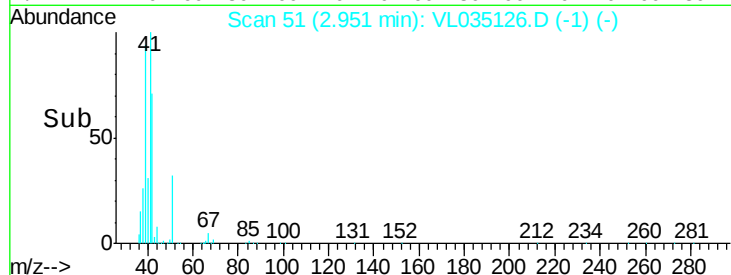
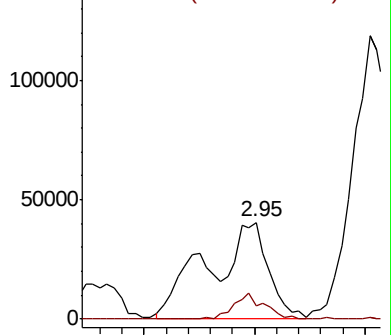
Ion Ratio Lower Upper

51 100

67 14.8 15.2 22.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.356 ppbv

RT: 3.10 min Scan# 98

Delta R.T. 0.01 min

Lab File: VL035126.D

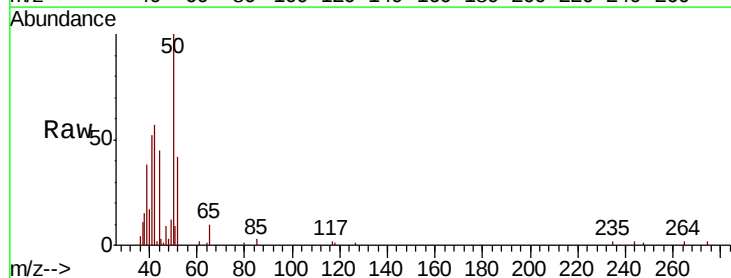
Acq: 30 Jun 2020 15:38

Tgt Ion: 50 Resp: 25988

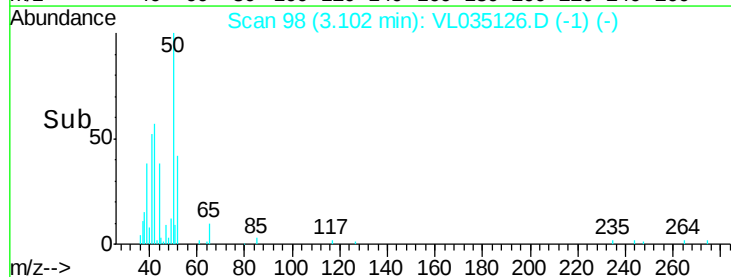
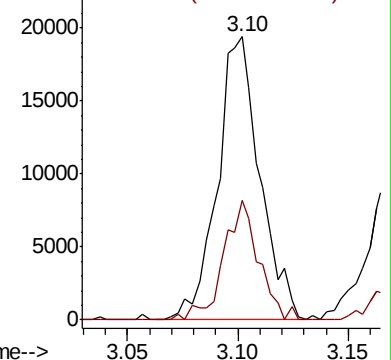
Ion Ratio Lower Upper

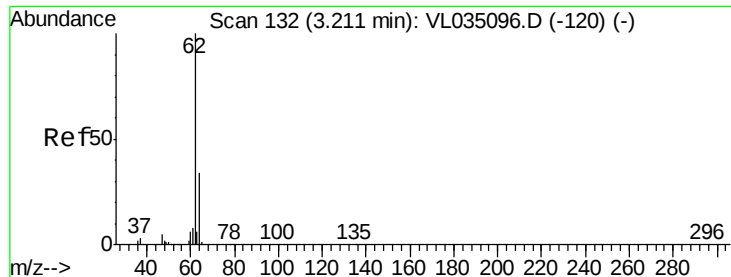
50 100

52 38.5 25.4 38.0#



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.090 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.01 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

Instrument :

MSVOA_L

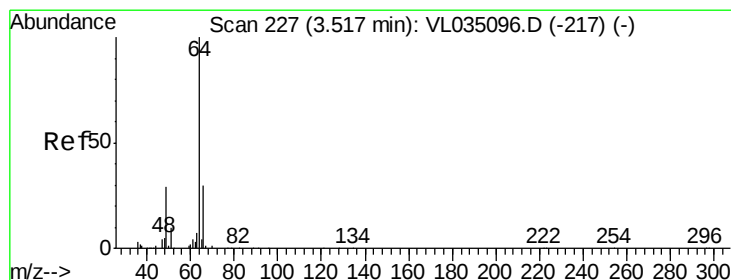
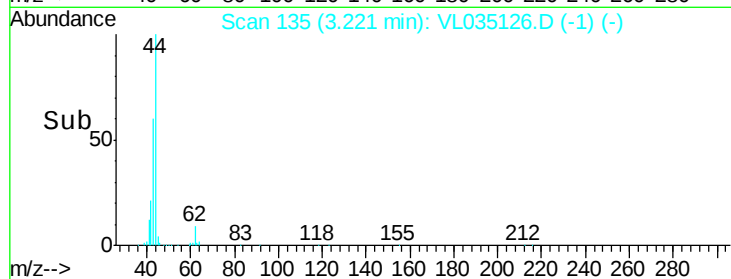
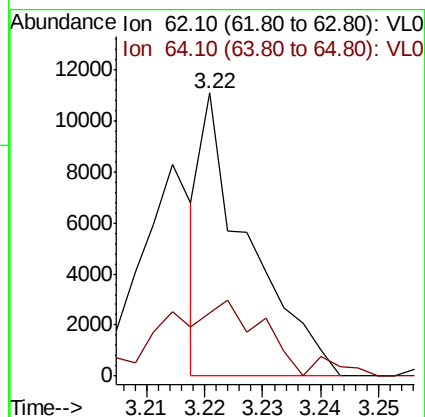
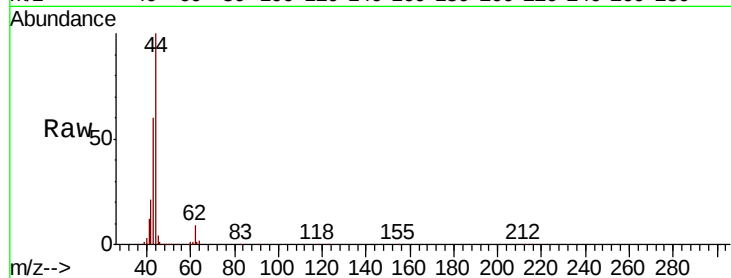
ClientSampleId :

Tot Ion: 62 Resp: 6221

Ion Ratio Lower Upper

62 100

64 17.8 27.0 40.4#



#7

Chloroethane

Concen: 0.445 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.01 min

Lab File: VL035126.D

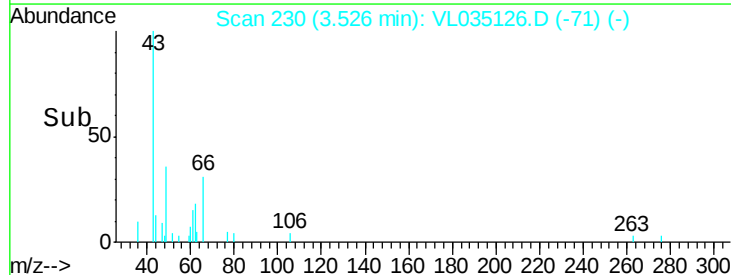
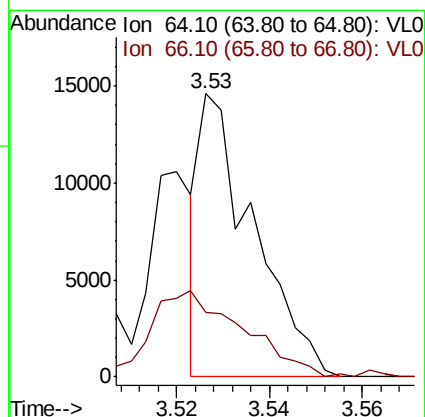
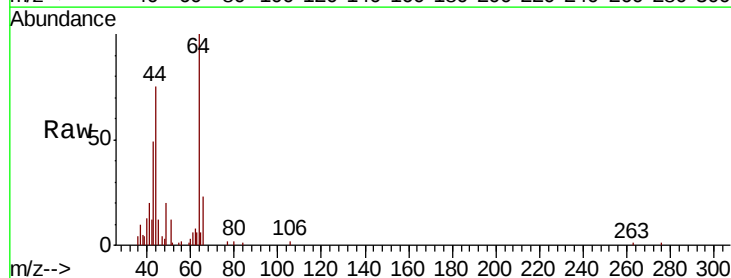
Acq: 30 Jun 2020 15:38

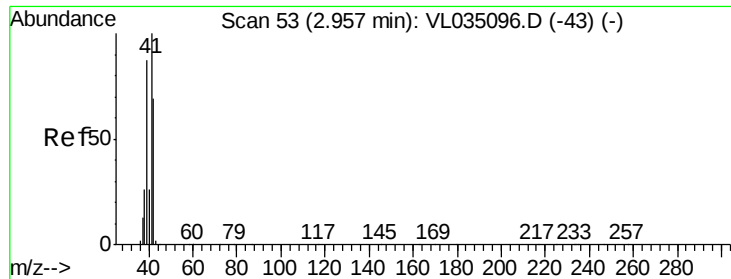
Tgt Ion: 64 Resp: 11647

Ion Ratio Lower Upper

64 100

66 21.7 24.2 36.4#





#9

Propene

Concen: 59.215 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.01 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

Instrument :

MSVOA_L

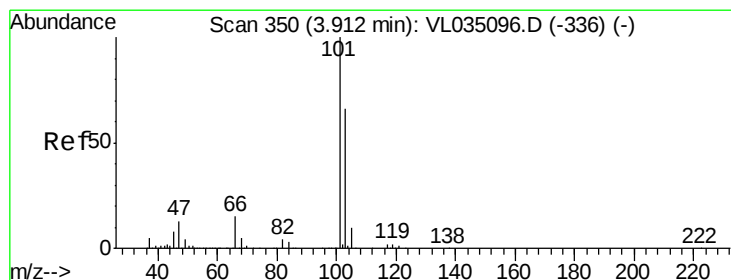
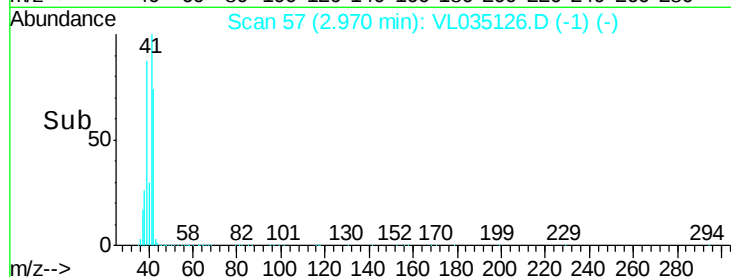
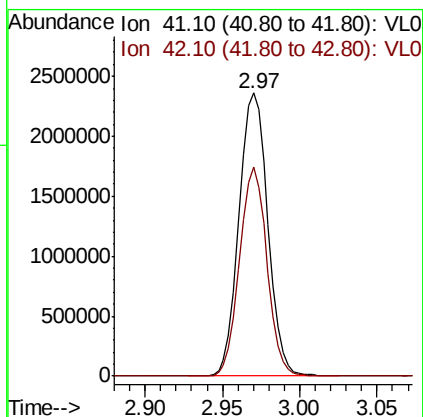
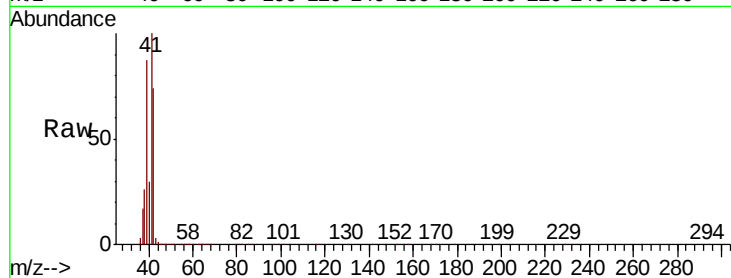
ClientSampleId :

Tot Ion: 41 Resp: 3052936

Ion Ratio Lower Upper

41 100

42 70.4 55.8 83.6



#11

Trichlorofluoromethane

Concen: 0.617 ppbv

RT: 3.92 min Scan# 354

Delta R.T. 0.01 min

Lab File: VL035126.D

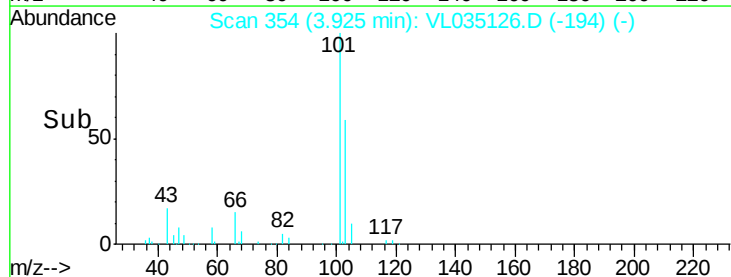
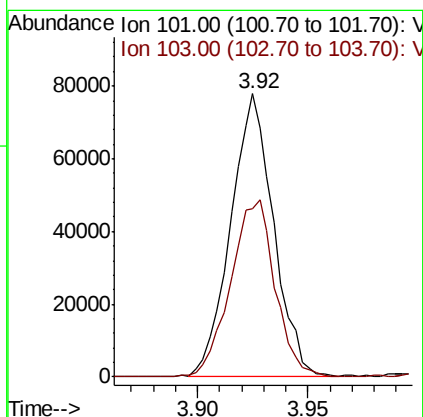
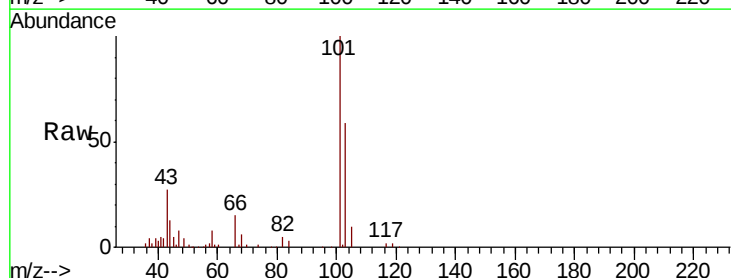
Acq: 30 Jun 2020 15:38

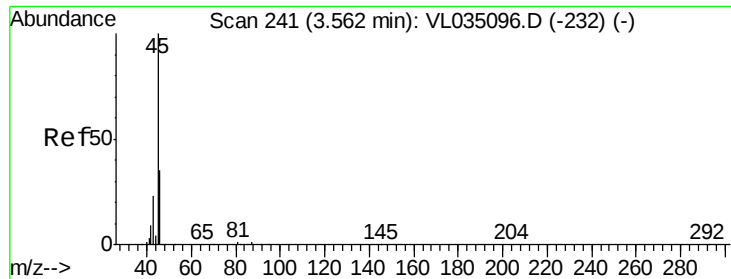
Tgt Ion: 101 Resp: 104881

Ion Ratio Lower Upper

101 100

103 59.3 52.6 79.0

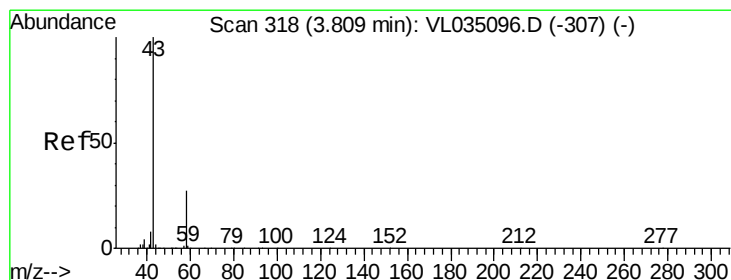
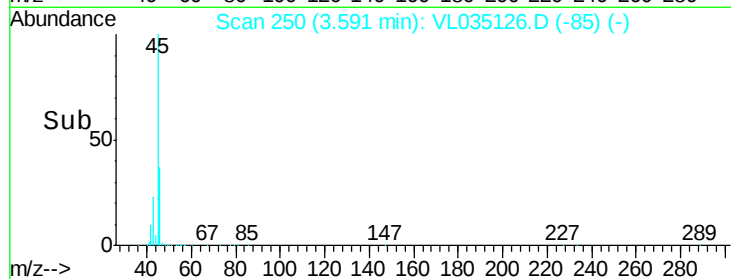
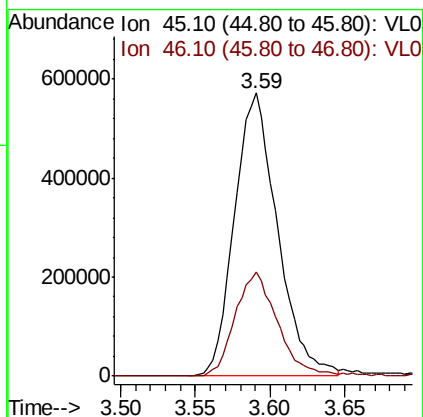
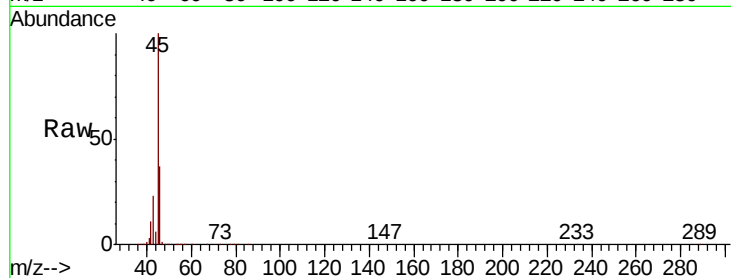




#13
Ethanol
Concen: 58.652 ppbv
RT: 3.59 min Scan# 250
Delta R.T. 0.03 min
Lab File: VL035126.D
Acq: 30 Jun 2020 15:38

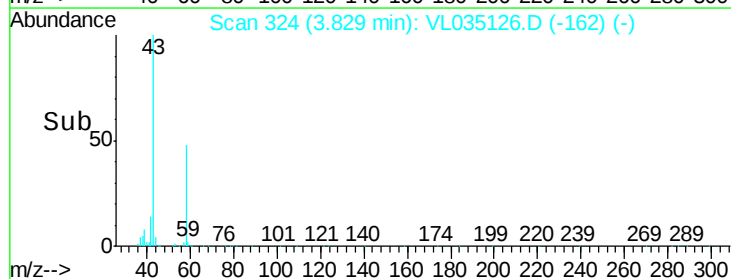
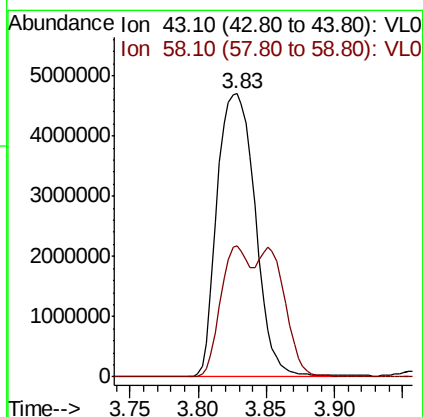
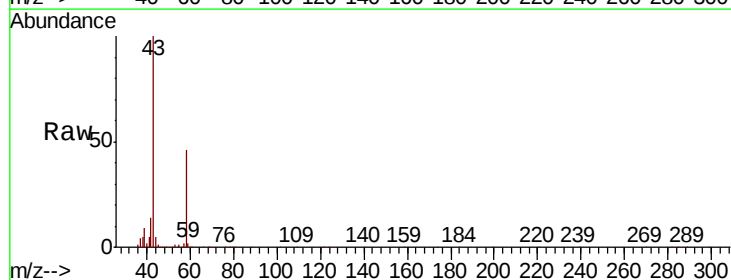
Instrument :
MSVOA_L
ClientSampleId :

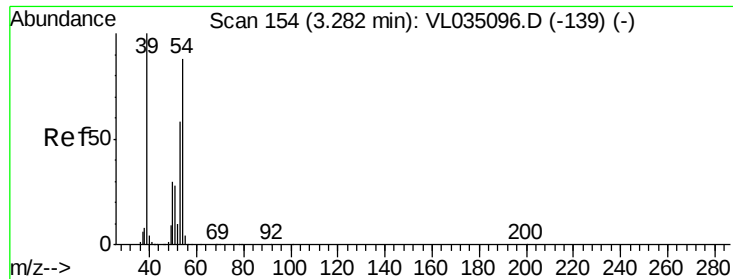
Tot Ion: 45 Resp: 1142360
Ion Ratio Lower Upper
45 100
46 36.8 14.2 57.0



#15
Acetone
Concen: 63.730 ppbv
RT: 3.83 min Scan# 324
Delta R.T. 0.02 min
Lab File: VL035126.D
Acq: 30 Jun 2020 15:38

Tgt Ion: 43 Resp: 9081376
Ion Ratio Lower Upper
43 100
58 70.8 21.8 32.6#

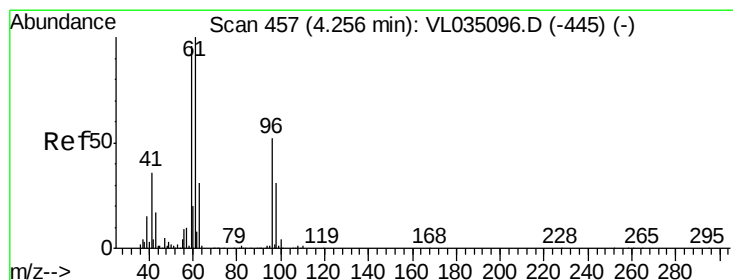
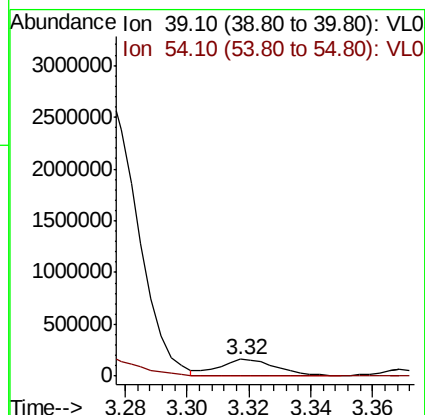
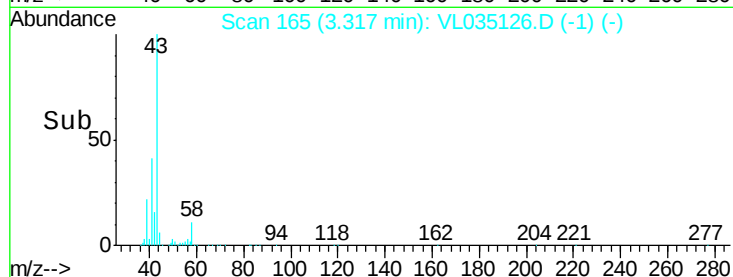
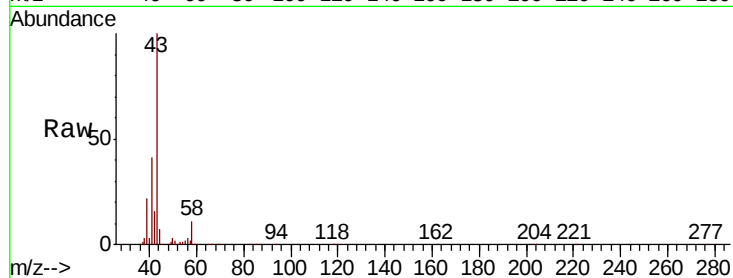




#16
1,3-Butadiene
Concen: 3.347 ppbv
RT: 3.32 min Scan# 165
Delta R.T. 0.04 min
Lab File: VL035126.D
Acq: 30 Jun 2020 15:38

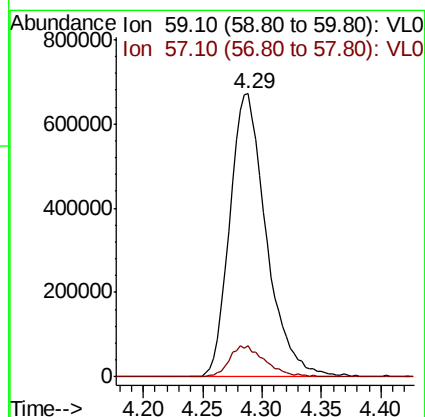
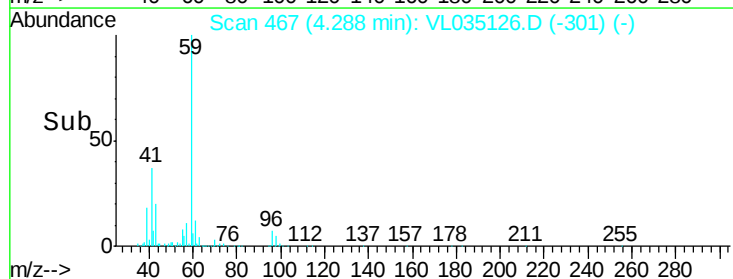
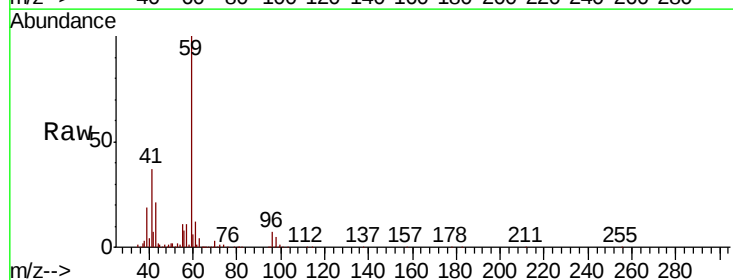
Instrument :
MSVOA_L
ClientSampleId :

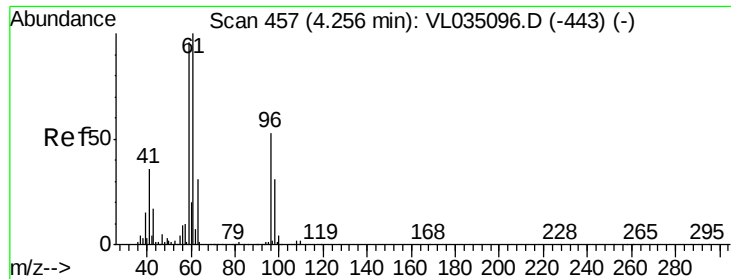
Tot Ion: 39 Resp: 209200
Ion Ratio Lower Upper
39 100
54 0.0 67.0 100.4#



#17
tert-Butyl alcohol
Concen: 11.316 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.03 min
Lab File: VL035126.D
Acq: 30 Jun 2020 15:38

Tgt Ion: 59 Resp: 1429089
Ion Ratio Lower Upper
59 100
57 10.7 8.6 12.8

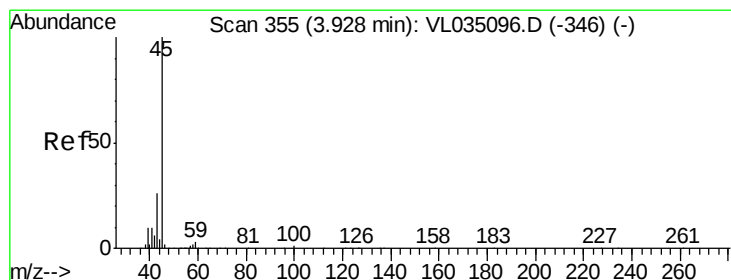
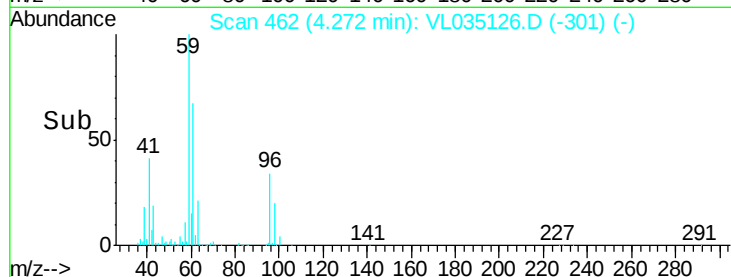
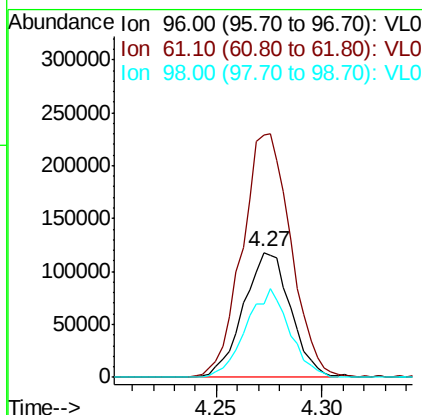
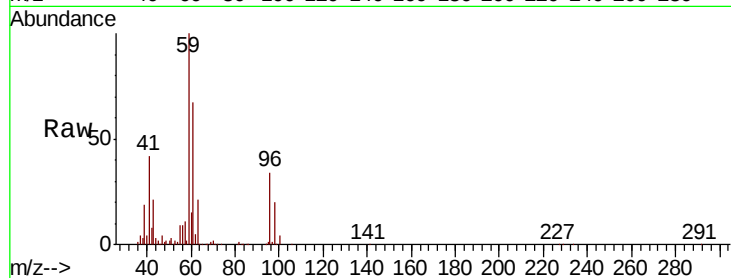




#18
 1,1-Dichloroethene
 Concen: 3.456 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. 0.02 min
 Lab File: VL035126.D
 Acq: 30 Jun 2020 15:38

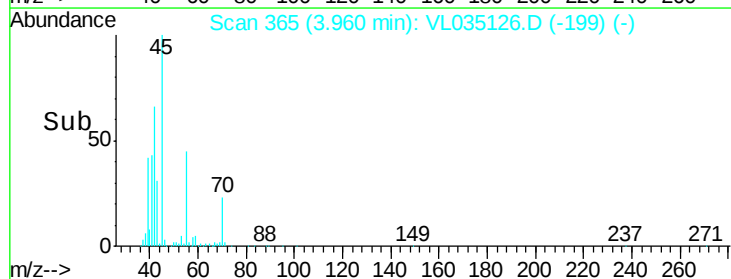
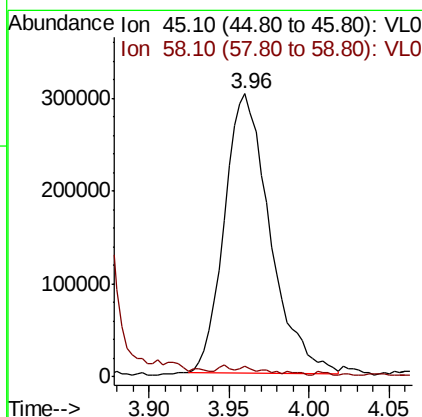
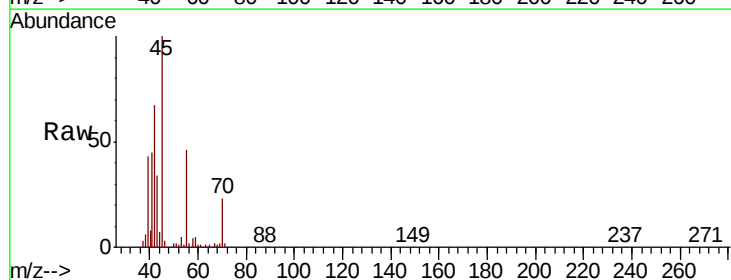
Instrument :
 MSVOA_L
 ClientSampleId :

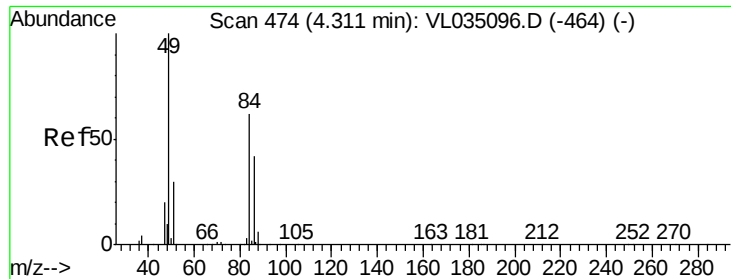
Tot Ion: 96 Resp: 183280
 Ion Ratio Lower Upper
 96 100
 61 193.9 152.2 228.4
 98 59.0 47.7 71.5



#19
 Isopropyl Alcohol
 Concen: 6.364 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.03 min
 Lab File: VL035126.D
 Acq: 30 Jun 2020 15:38

Tgt Ion: 45 Resp: 588803
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.8 2.8#





#20

Methylene Chloride

Concen: 4.624 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.03 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 266690

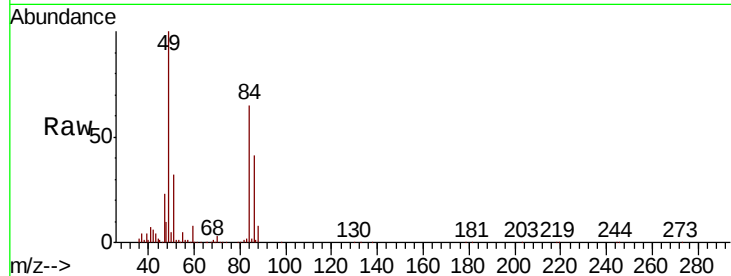
Ion	Ratio	Lower	Upper
84	100		
49	151.9	128.8	193.2
51	47.9	38.7	58.1
86	62.8	54.1	81.1

84 100

49 151.9 128.8 193.2

51 47.9 38.7 58.1

86 62.8 54.1 81.1

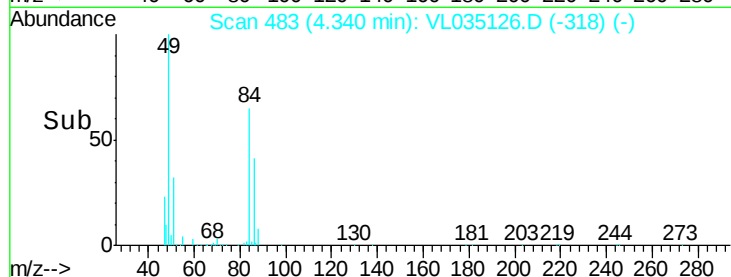


Abundance Ion 84.00 (83.70 to 84.70): VL0

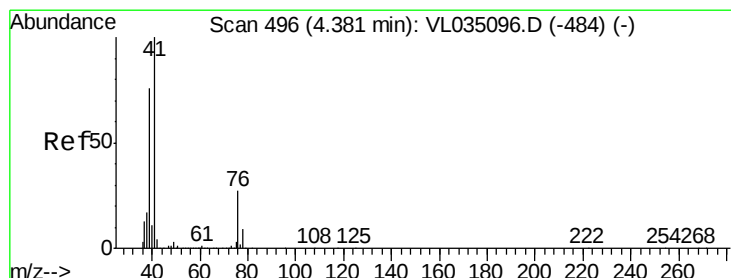
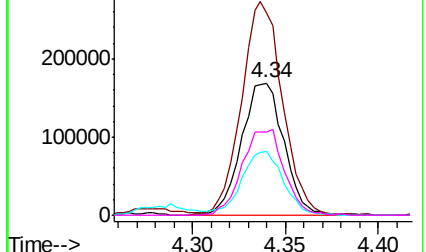
Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



Time-->



#21

Allyl Chloride

Concen: 6.154 ppbv

RT: 4.29 min Scan# 467

Delta R.T. -0.09 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

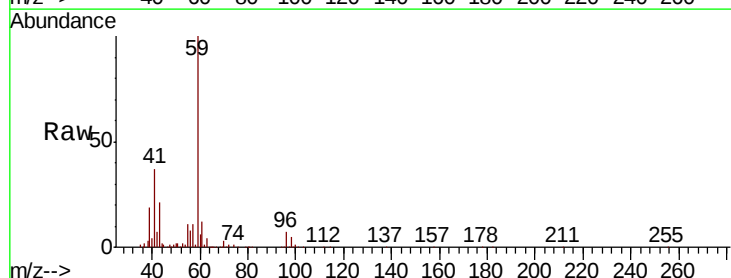
Tgt Ion: 41 Resp: 521138

Ion	Ratio	Lower	Upper
41	100		
76	0.1	22.6	34.0#
39	53.5	61.6	92.4#

41 100

76 0.1 22.6 34.0#

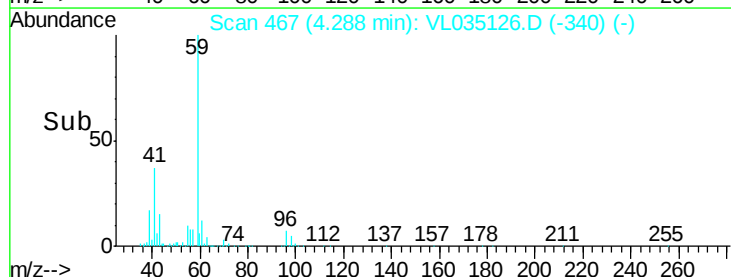
39 53.5 61.6 92.4#



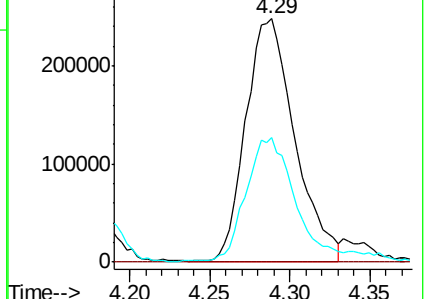
Abundance Ion 41.10 (40.80 to 41.80): VL0

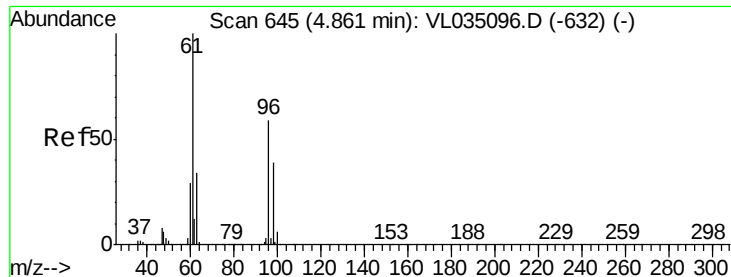
Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



Time-->





#22

trans-1,2-Dichloroethene

Concen: 1.140 ppbv

RT: 4.88 min Scan# 652

Delta R.T. 0.02 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

Instrument :

MSVOA_L

ClientSampled :

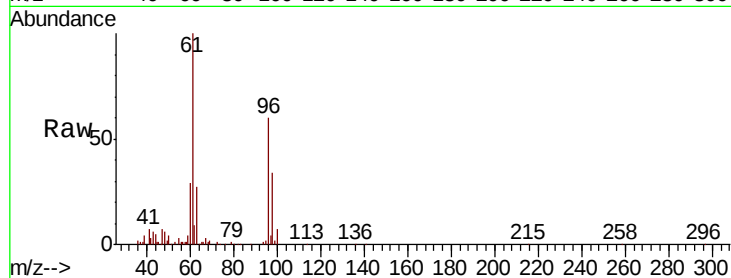
Tot Ion: 96 Resp: 56536

Ion Ratio Lower Upper

96 100

61 164.6 134.5 201.7

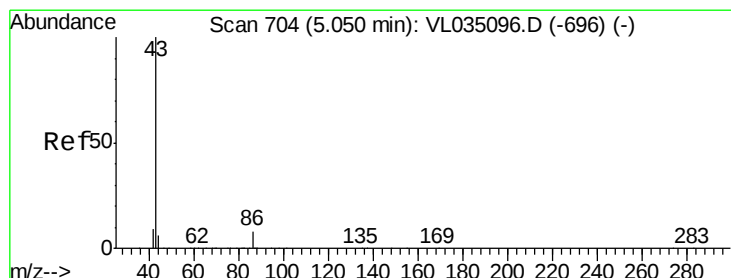
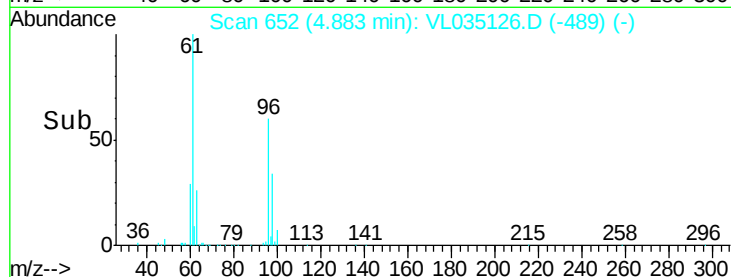
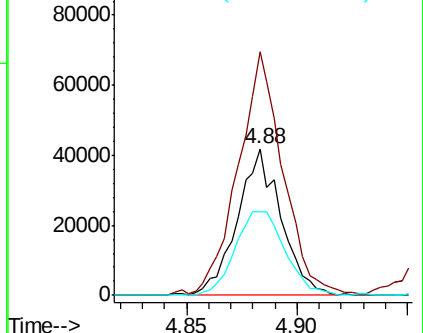
98 57.5 52.6 79.0



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#23

Vinyl Acetate

Concen: 1.600 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.01 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

Tgt Ion: 43 Resp: 276700

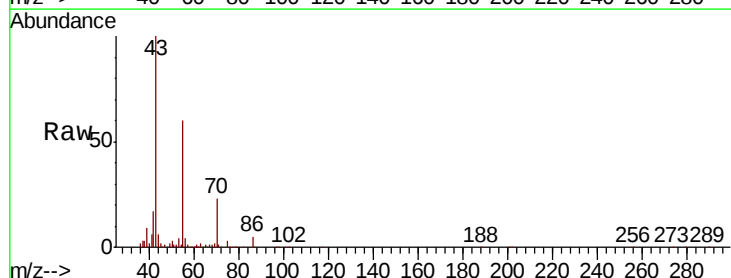
Ion Ratio Lower Upper

43 100

86 5.2 6.2 9.2#

42 15.3 8.1 12.1#

44 4.2 4.6 7.0#

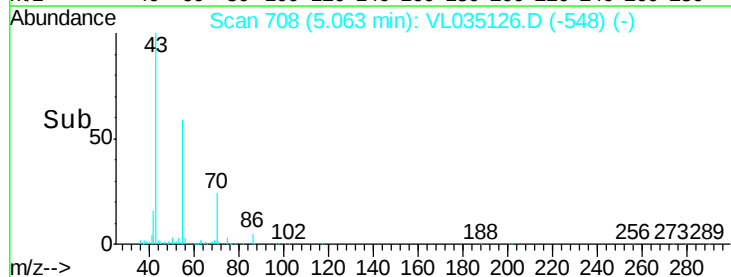
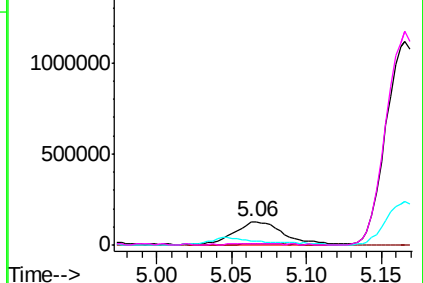


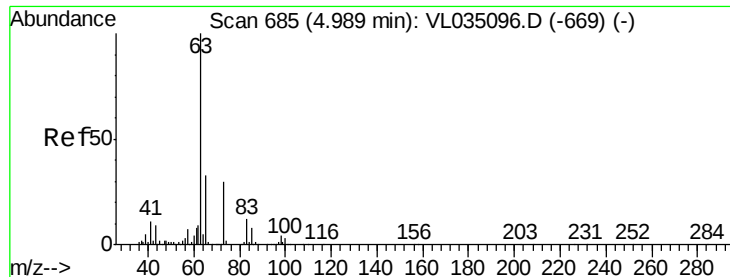
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 11.375 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.02 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

Instrument :

MSVOA_L

ClientSampleId :

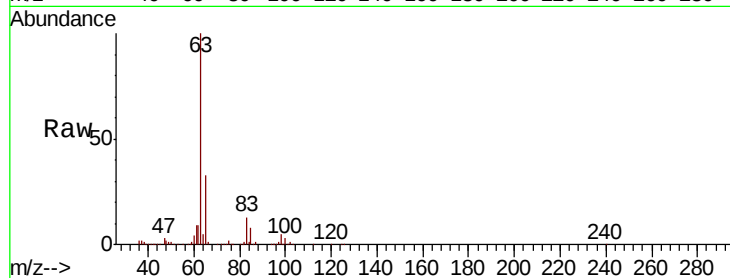
Tot Ion: 63 Resp: 1658736

Ion Ratio Lower Upper

63 100

98 4.7 2.3 6.9

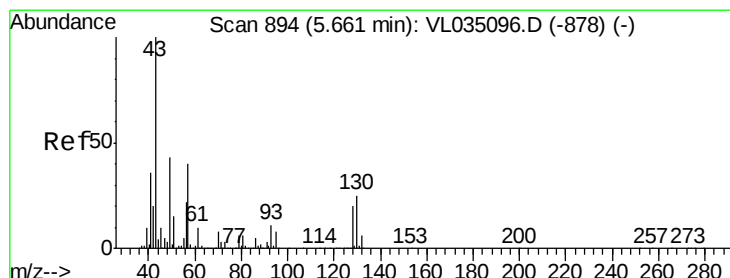
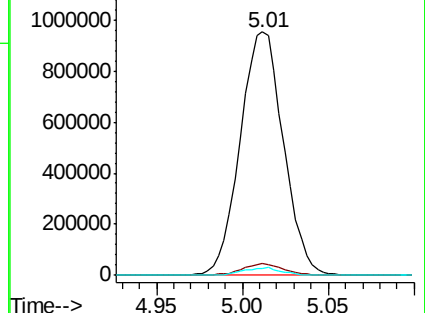
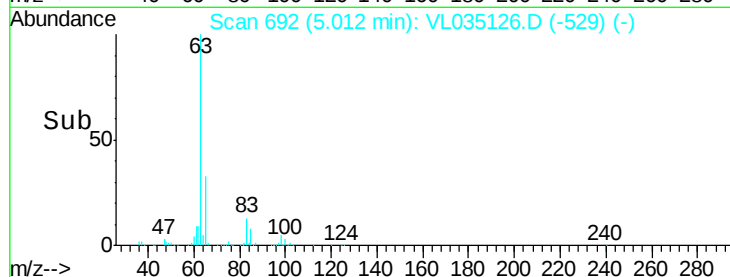
100 3.0 1.4 4.0



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: 1.034 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.02 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

Tgt Ion: 43 Resp: 265930

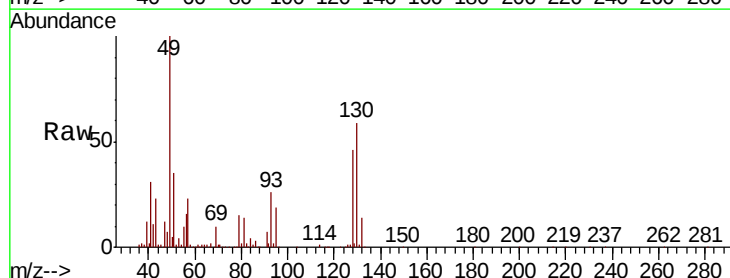
Ion Ratio Lower Upper

43 100

45 0.0 8.4 12.6#

61 3.5 8.0 12.0#

70 7.9 6.3 9.5

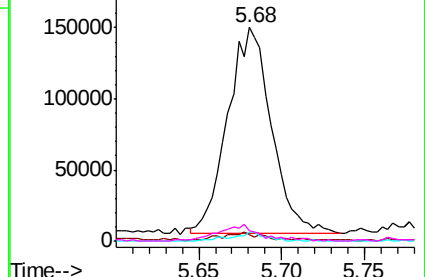
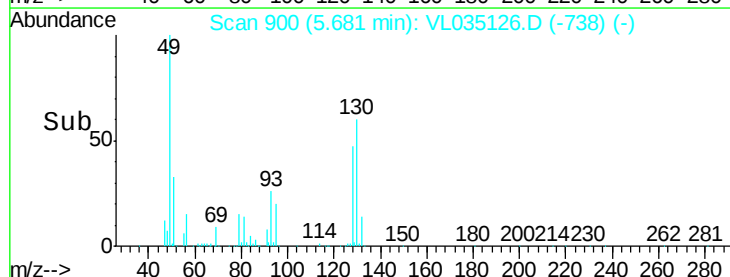


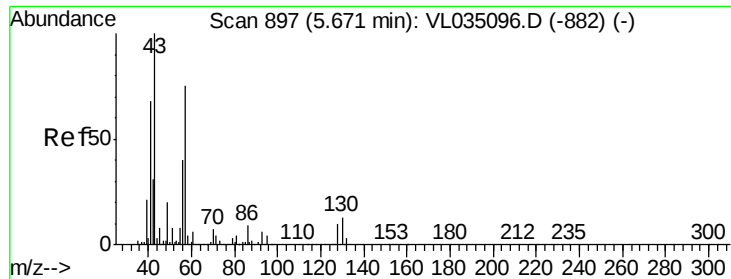
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

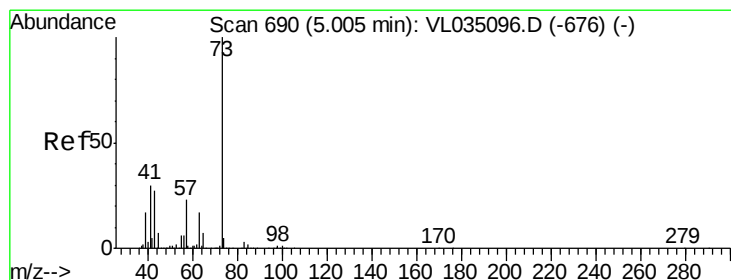
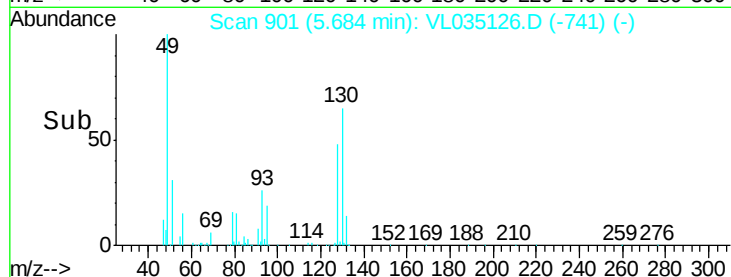
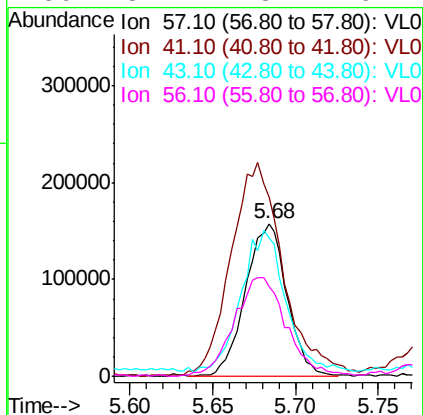
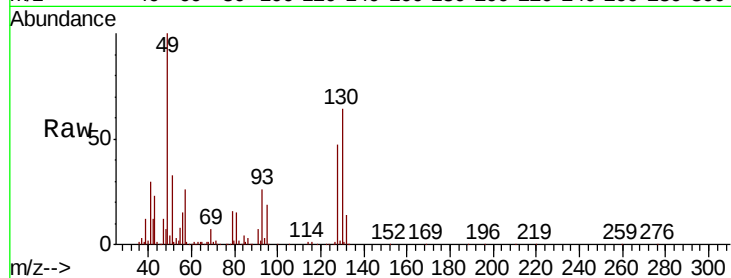




#26
Hexane
Concen: 2.362 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL035126.D
Acq: 30 Jun 2020 15:38

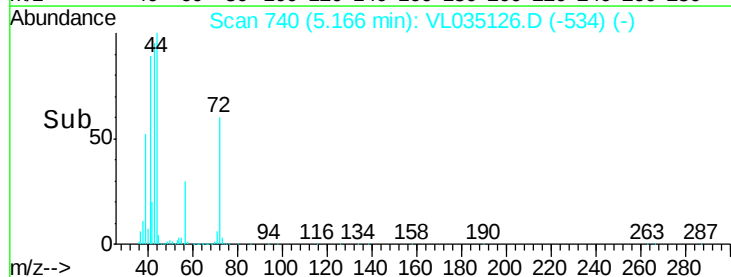
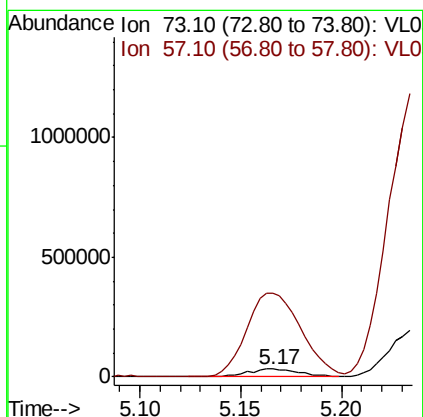
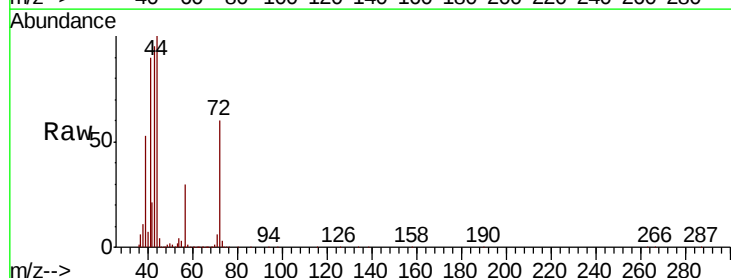
Instrument :
MSVOA_L
ClientSampled :

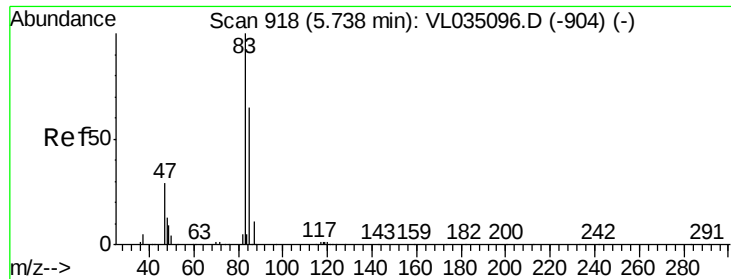
Tot Ion: 57 Resp: 273829
Ion Ratio Lower Upper
57 100
41 175.7 72.9 109.3#
43 0.0 181.3 271.9#
56 81.1 43.1 64.7#



#28
Methyl tert-Butyl Ether
Concen: 0.373 ppbv
RT: 5.17 min Scan# 740
Delta R.T. 0.16 min
Lab File: VL035126.D
Acq: 30 Jun 2020 15:38

Tgt Ion: 73 Resp: 60791
Ion Ratio Lower Upper
73 100
57 1079.8 18.5 27.7#





#29

Chloroform

Concen: 0.035 ppbv

RT: 5.77 min Scan# 927

Delta R.T. 0.03 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

Instrument :

MSVOA_L

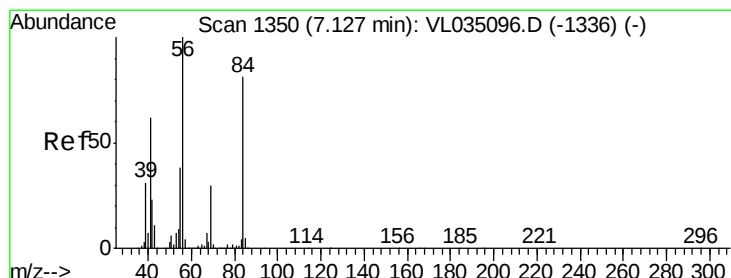
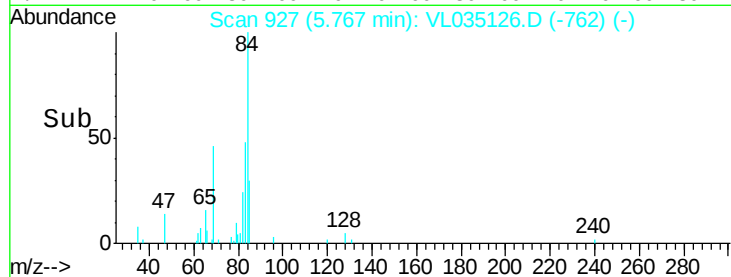
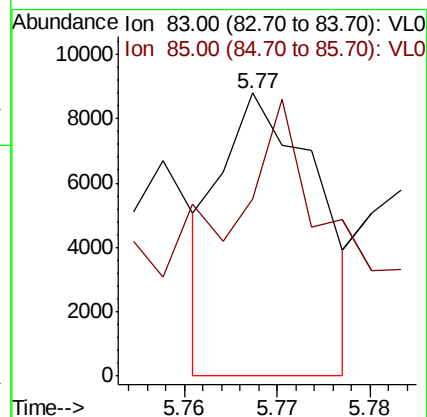
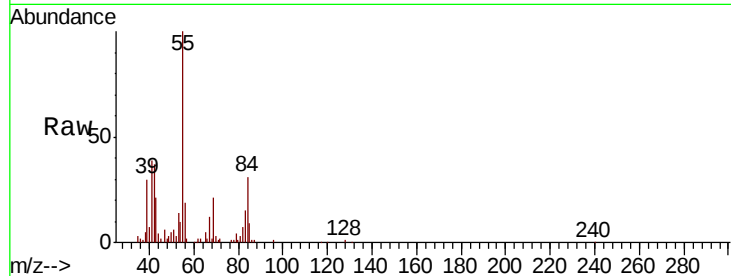
ClientSampleId :

Tot Ion: 83 Resp: 6408

Ion Ratio Lower Upper

83 100

85 12.8 52.1 78.1#



#30

Cyclohexane

Concen: 0.250 ppbv

RT: 7.20 min Scan# 1373

Delta R.T. 0.07 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

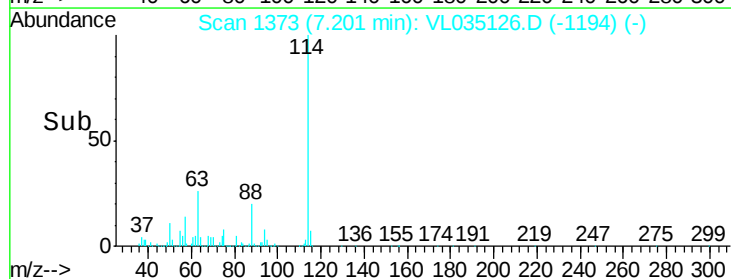
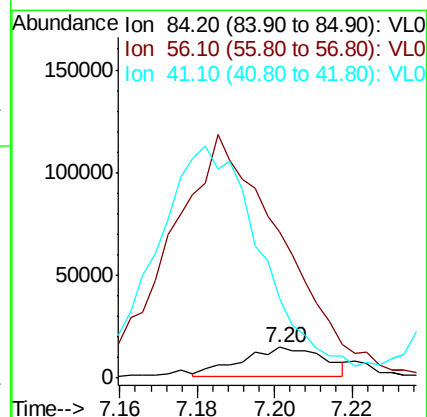
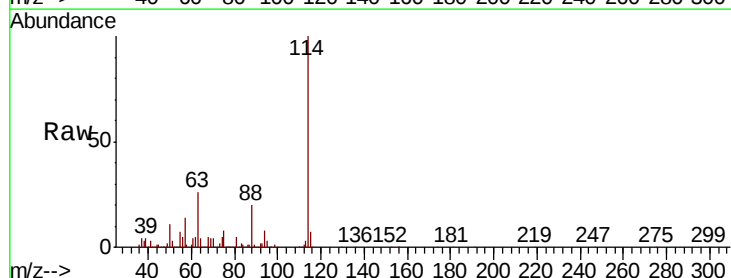
Tgt Ion: 84 Resp: 20767

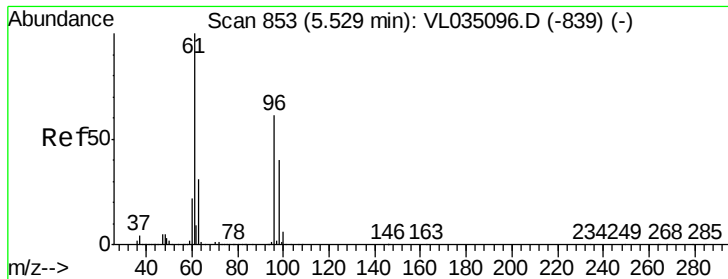
Ion Ratio Lower Upper

84 100

56 1163.5 108.0 162.0#

41 1071.5 65.6 98.4#



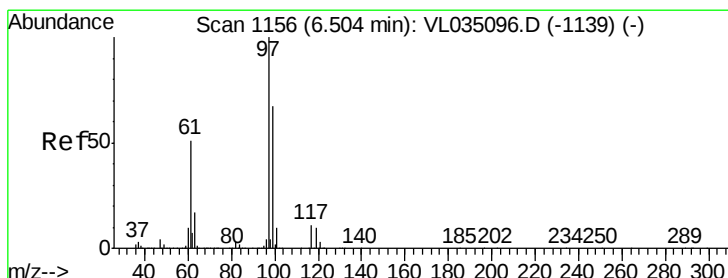
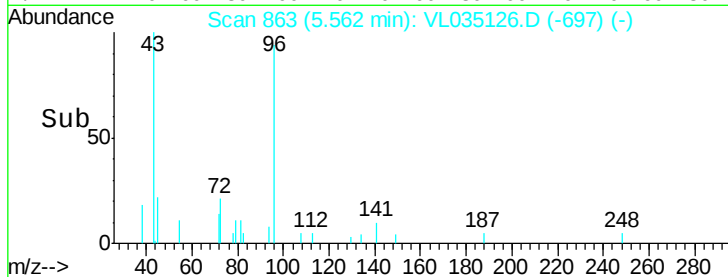
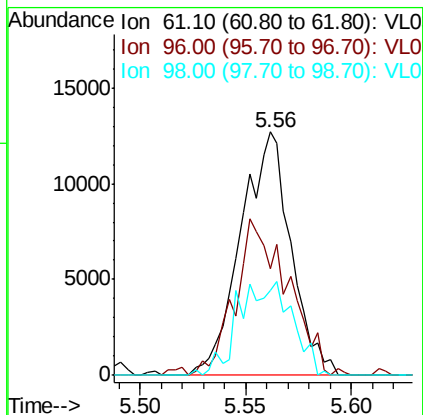
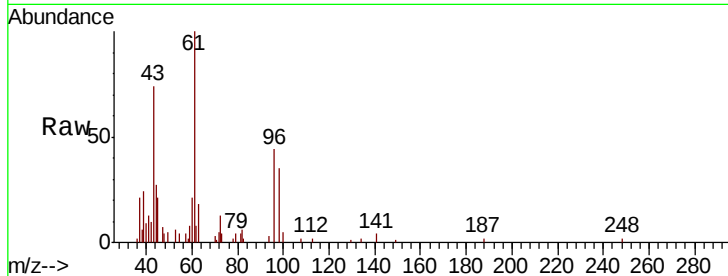


#31

cis-1,2-Dichloroethene
 Concen: 0.197 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. 0.03 min
 Lab File: VL035126.D
 Acq: 30 Jun 2020 15:38

Instrument :
 MSVOA_L
 ClientSampleId :

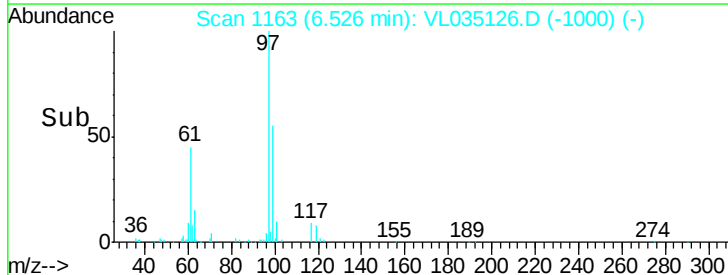
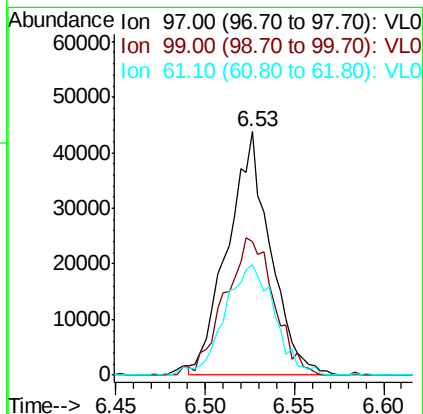
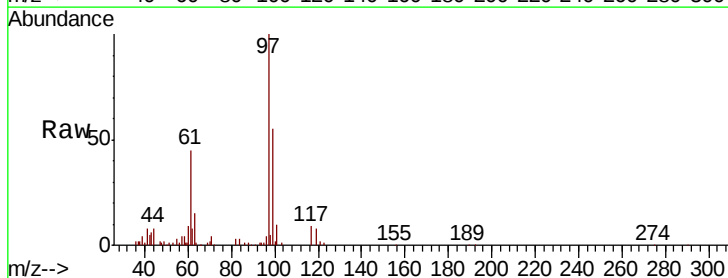
Tot Ion	Ratio	Lower	Upper
61	100		
96	40.5	48.8	73.2#
98	32.2	31.9	47.9

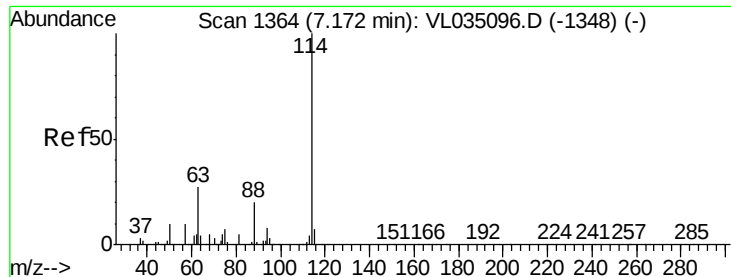


#32

1,1,1-Trichloroethane
 Concen: 0.435 ppbv
 RT: 6.53 min Scan# 1163
 Delta R.T. 0.02 min
 Lab File: VL035126.D
 Acq: 30 Jun 2020 15:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	52.9	41.0	61.6

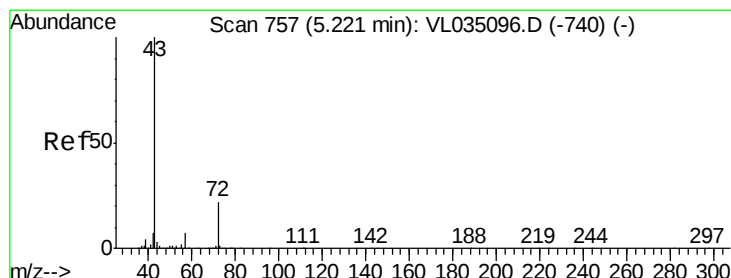
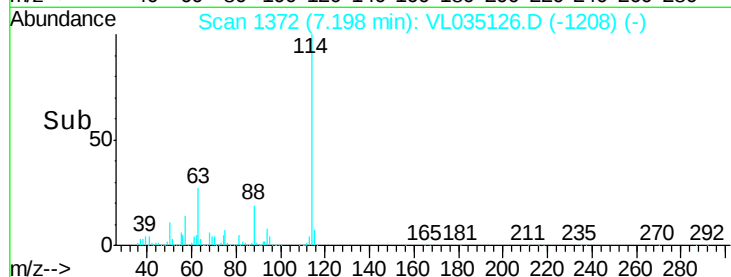
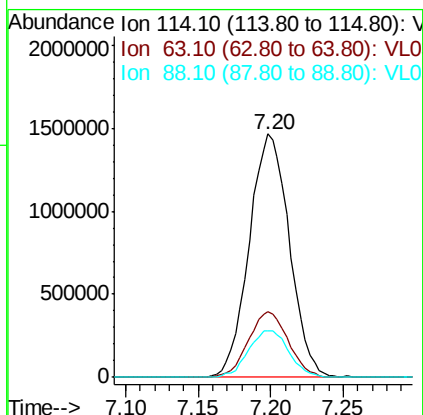
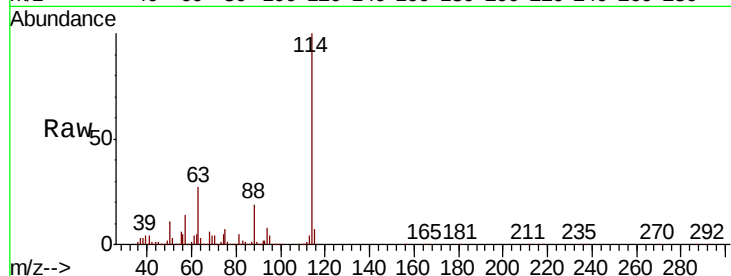




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. 0.03 min
 Lab File: VL035126.D
 Acq: 30 Jun 2020 15:38

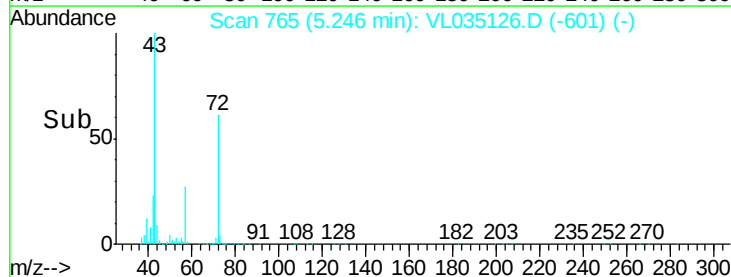
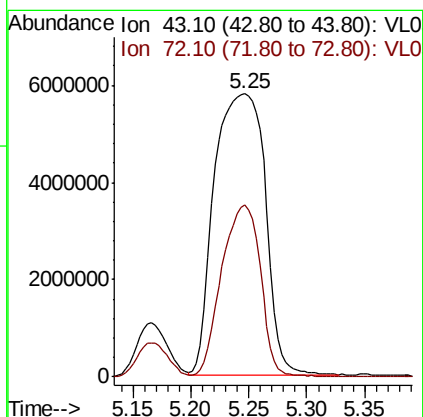
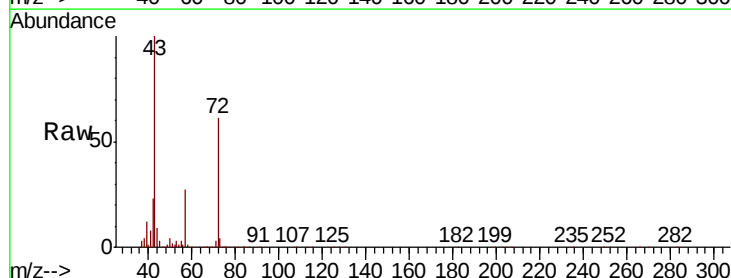
Instrument :
 MSVOA_L
 ClientSampleId :

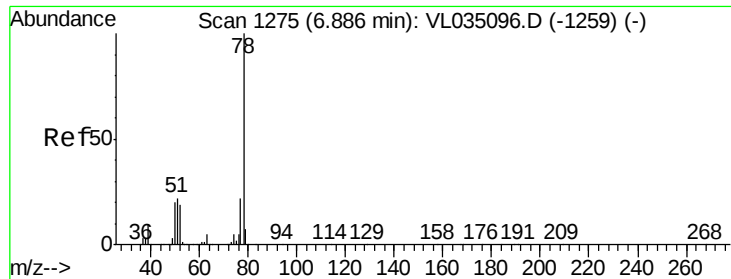
Tot Ion:114 Resp: 2823118
 Ion Ratio Lower Upper
 114 100
 63 26.8 21.9 32.9
 88 19.4 15.6 23.4



#34
 2-Butanone
 Concen: 109.202 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.03 min
 Lab File: VL035126.D
 Acq: 30 Jun 2020 15:38

Tgt Ion: 43 Resp:17704307
 Ion Ratio Lower Upper
 43 100
 72 46.6 18.3 27.5#





#36

Benzene

Concen: 0.086 ppbv

RT: 6.92 min Scan# 1284

Delta R.T. 0.03 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

Instrument :

MSVOA_L

ClientSampled :

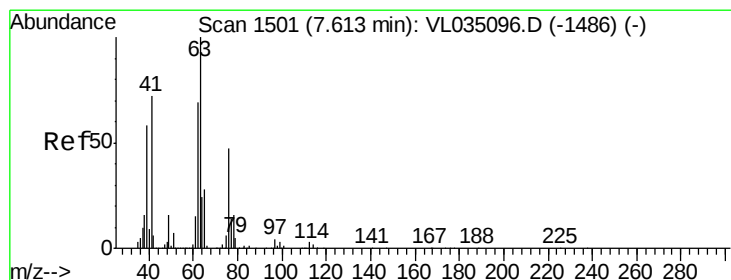
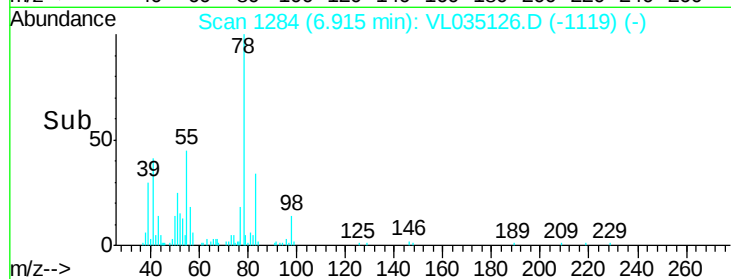
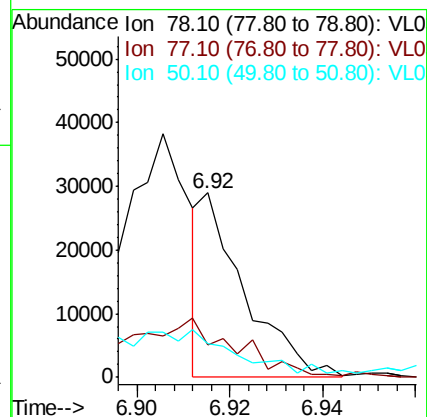
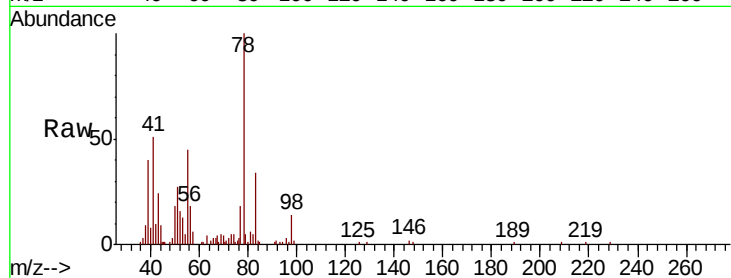
Tot Ion: 78 Resp: 18875

Ion Ratio Lower Upper

78 100

77 17.2 17.8 26.6#

50 15.3 16.2 24.2#



#39

1,2-Dichloropropane

Concen: 8.780 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. -0.41 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

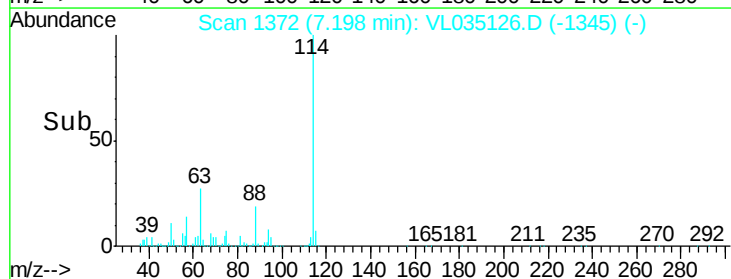
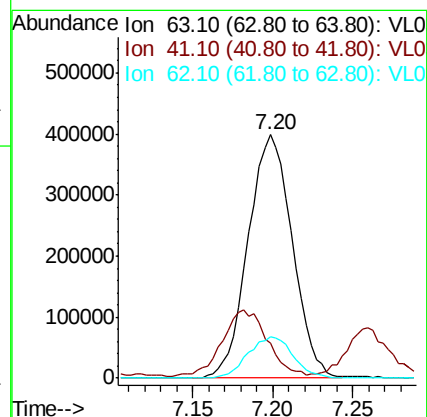
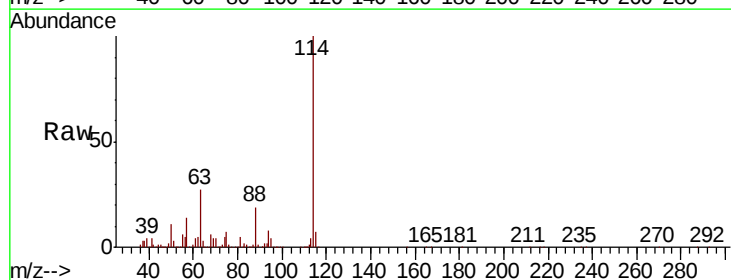
Tgt Ion: 63 Resp: 750716

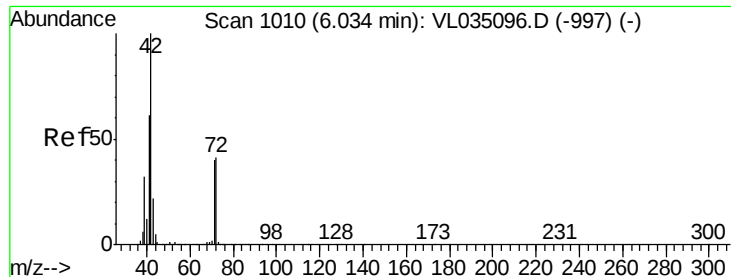
Ion Ratio Lower Upper

63 100

41 12.6 58.0 87.0#

62 17.2 55.4 83.0#





#41

Tetrahydrofuran

Concen: 0.202 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. 0.02 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

Instrument :

MSVOA_L

ClientSampleId :

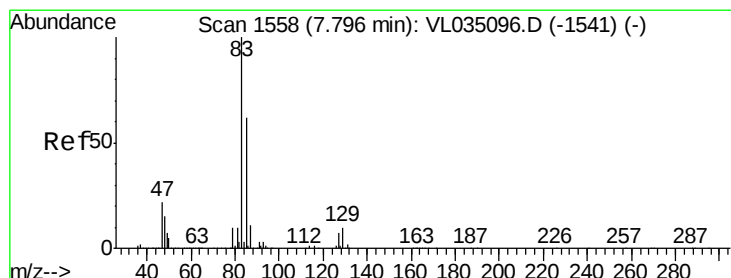
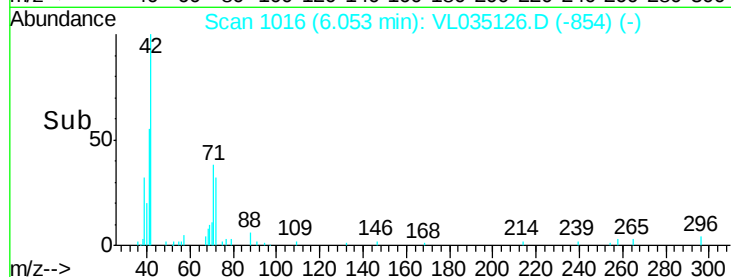
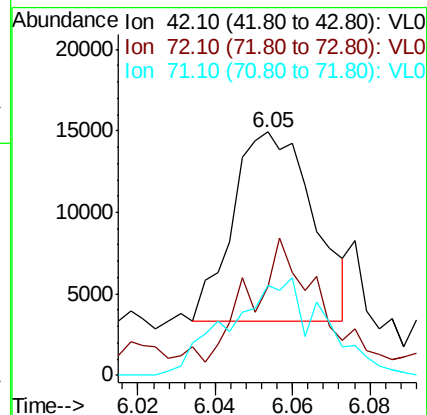
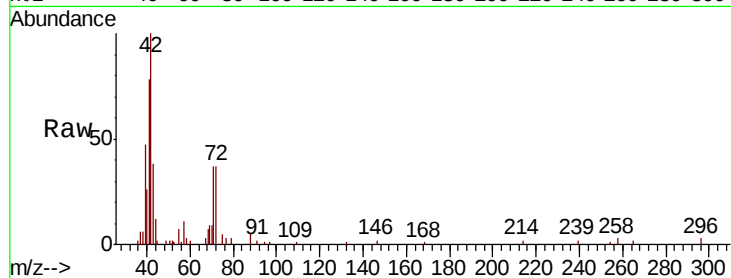
Tot Ion: 42 Resp: 16750

Ion Ratio Lower Upper

42 100

72 60.9 33.4 50.2#

71 61.5 31.8 47.6#



#42

Bromodichloromethane

Concen: 0.155 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. 0.03 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

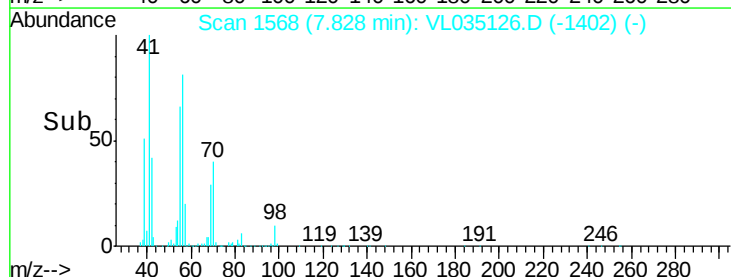
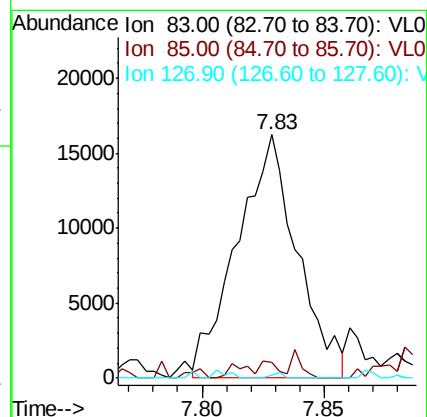
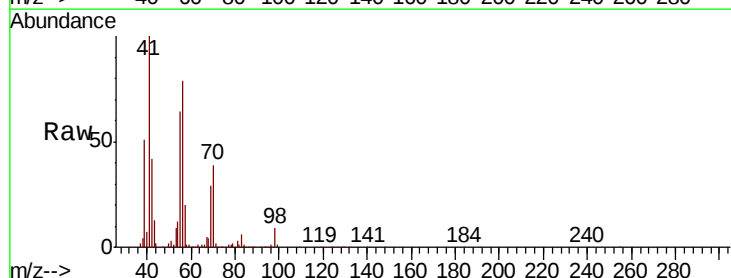
Tgt Ion: 83 Resp: 27808

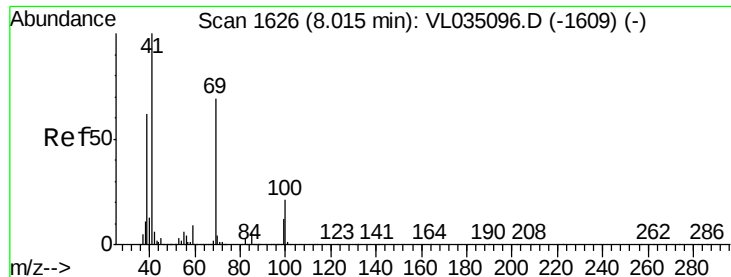
Ion Ratio Lower Upper

83 100

85 6.5 49.4 74.0#

127 1.1 5.9 8.9#

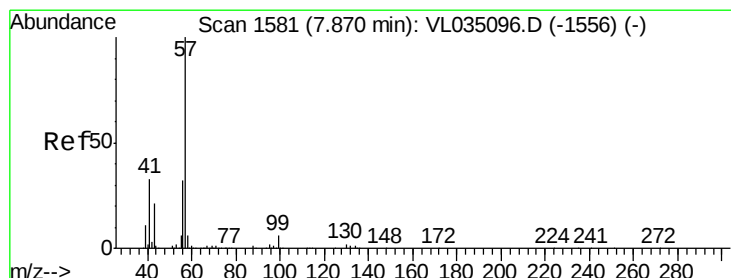
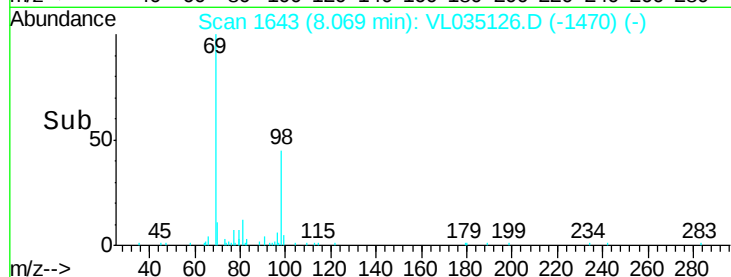
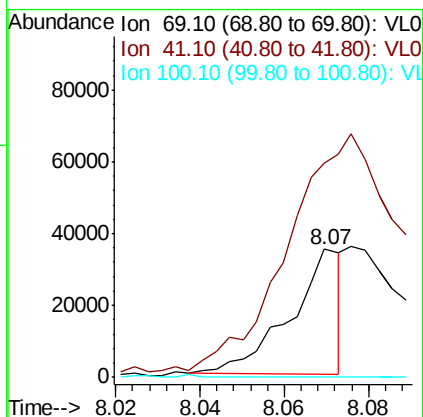
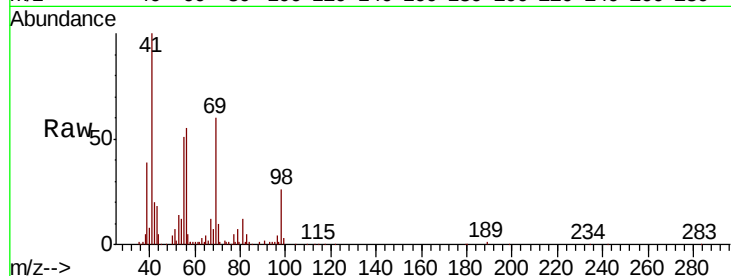




#43
Methyl Methacrylate
Concen: 0.313 ppbv
RT: 8.07 min Scan# 1643
Delta R.T. 0.05 min
Lab File: VL035126.D
Acq: 30 Jun 2020 15:38

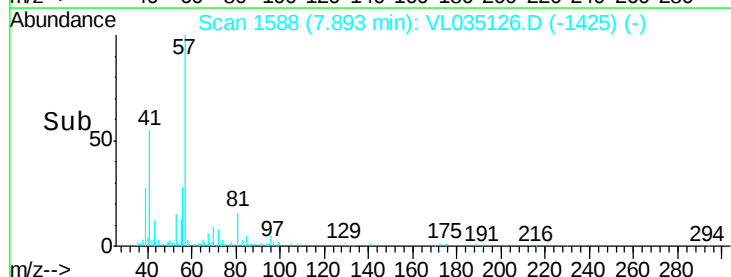
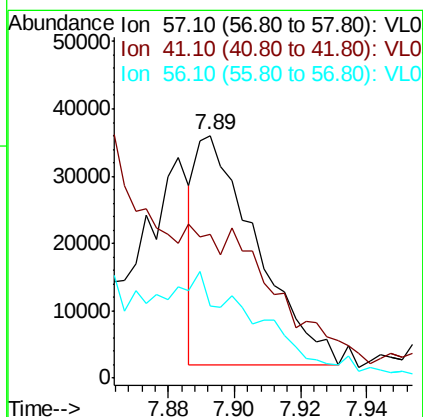
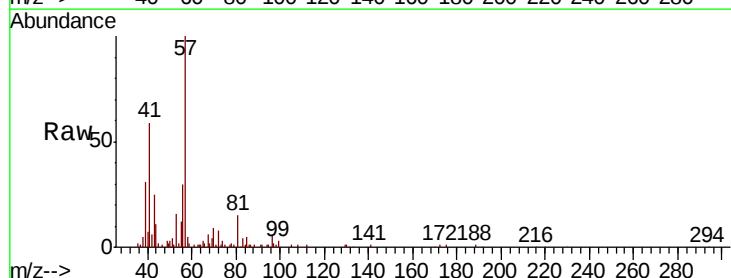
Instrument :
MSVOA_L
ClientSampled :

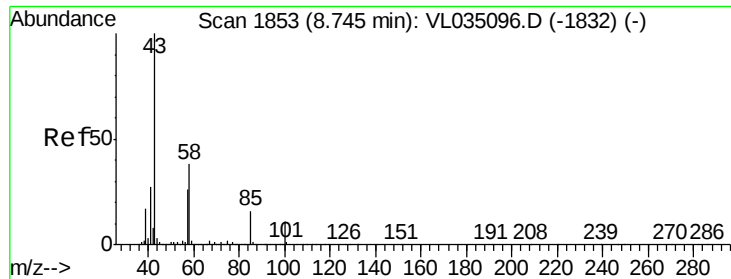
Tot Ion: 69 Resp: 28933
Ion Ratio Lower Upper
69 100
41 0.0 116.4 174.6#
100 1.6 25.3 37.9#



#44
2,2,4-Trimethylpentane
Concen: 0.113 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.02 min
Lab File: VL035126.D
Acq: 30 Jun 2020 15:38

Tgt Ion: 57 Resp: 43152
Ion Ratio Lower Upper
57 100
41 0.0 26.2 39.2#
56 55.2 25.4 38.2#

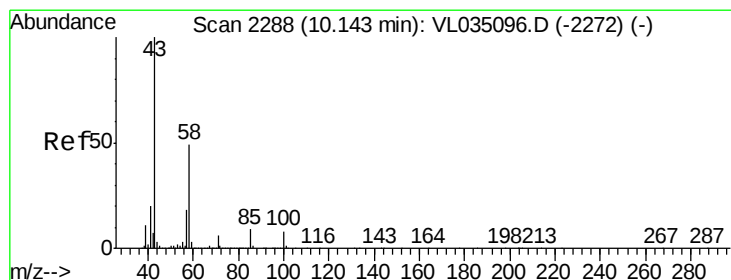
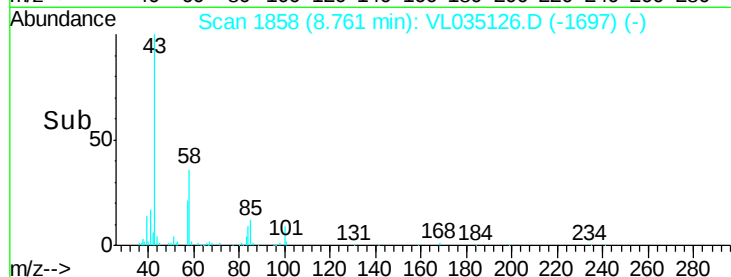
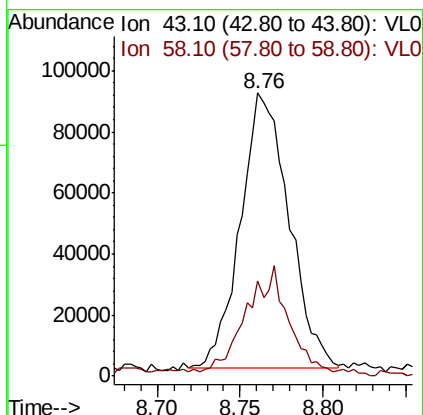
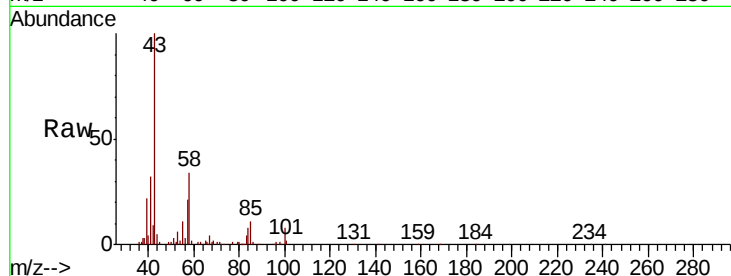




#50
4-Methyl-2-Pentanone
Concen: 0.793 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. 0.02 min
Lab File: VL035126.D
Acq: 30 Jun 2020 15:38

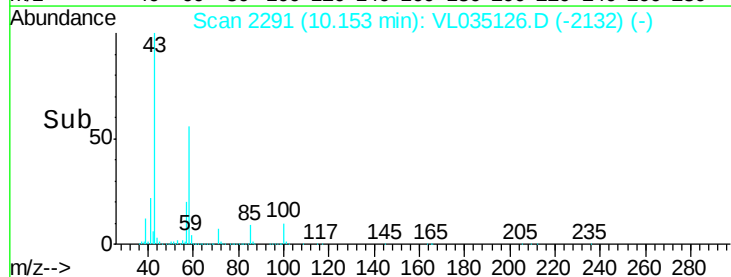
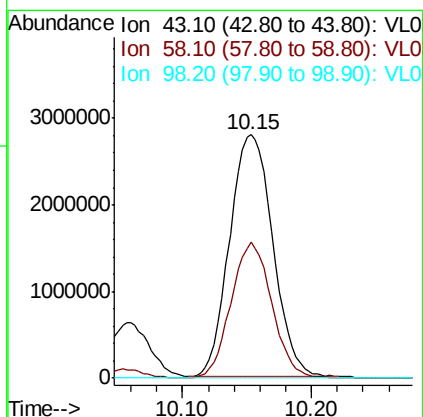
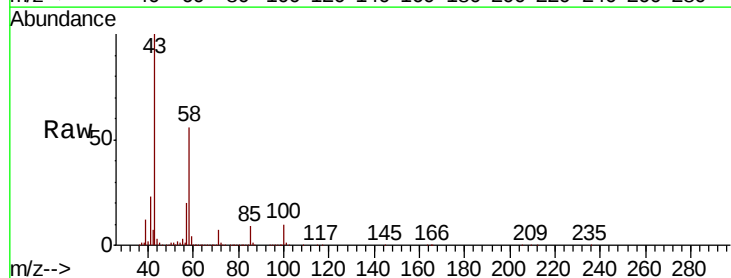
Instrument :
MSVOA_L
ClientSampleId :

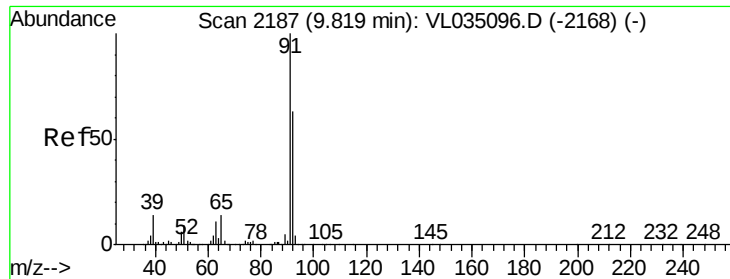
Tot Ion: 43 Resp: 182570
Ion Ratio Lower Upper
43 100
58 35.1 29.4 44.0



#51
2-Hexanone
Concen: 36.171 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.01 min
Lab File: VL035126.D
Acq: 30 Jun 2020 15:38

Tgt Ion: 43 Resp: 6524931
Ion Ratio Lower Upper
43 100
58 52.9 39.2 58.8
98 0.3 0.3 0.5#





#53

Toluene

Concen: 0.335 ppbv

RT: 9.84 min Scan# 2193

Delta R.T. 0.02 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

Instrument :

MSVOA_L

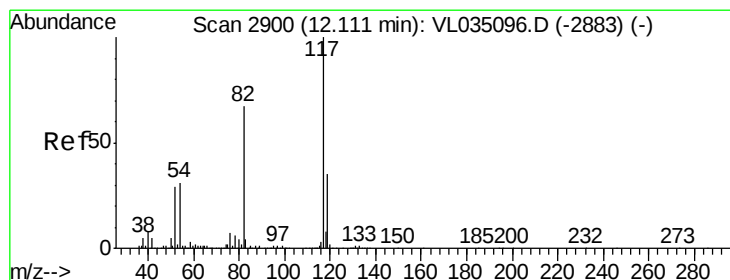
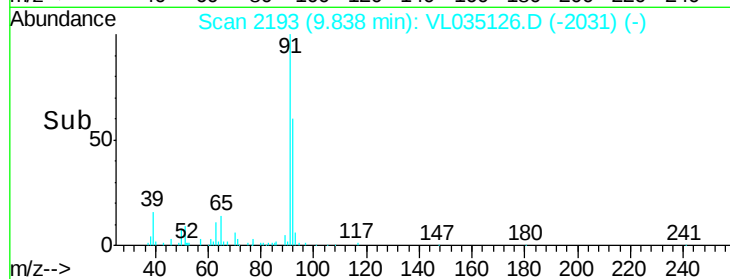
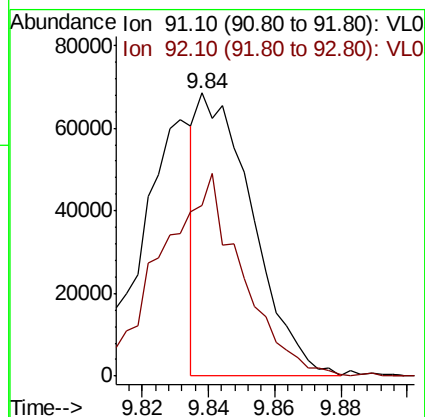
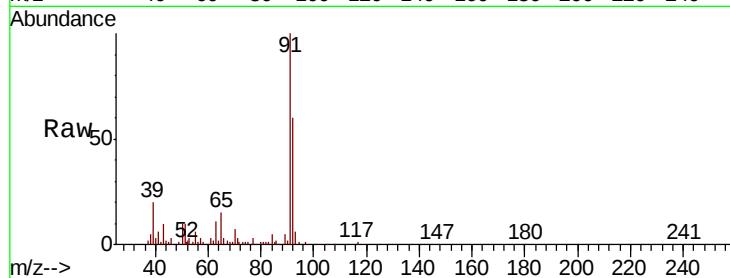
ClientSampleId :

Tot Ion: 91 Resp: 78080

Ion Ratio Lower Upper

91 100

92 109.4 49.0 73.6#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. 0.01 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

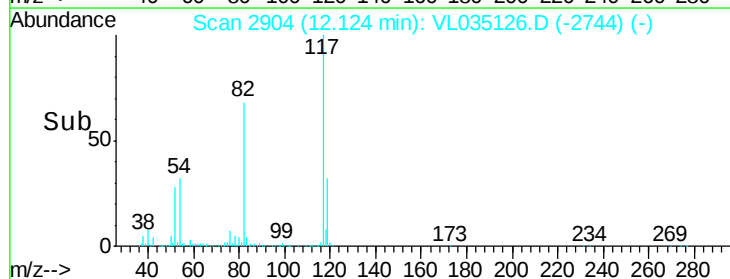
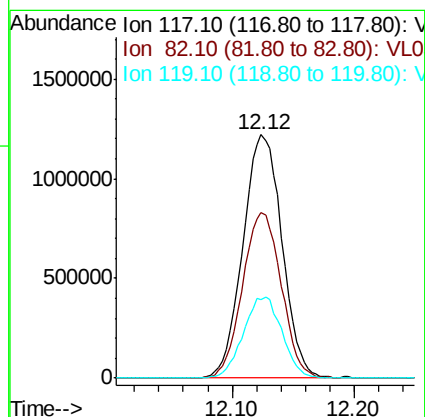
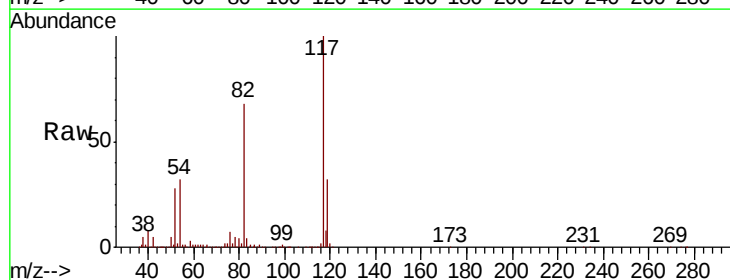
Tgt Ion: 117 Resp: 2700996

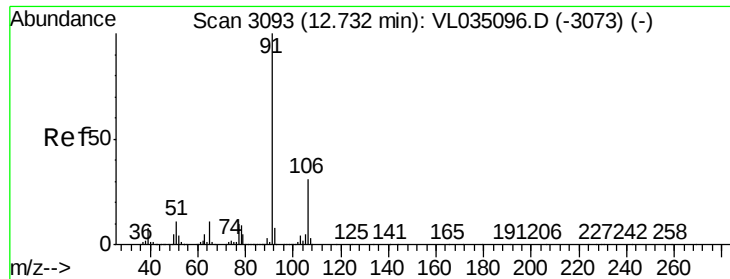
Ion Ratio Lower Upper

117 100

82 67.4 50.4 75.6

119 33.1 25.4 38.0





#58

Ethyl Benzene

Concen: 0.103 ppbv

RT: 12.75 min Scan# 3099

Delta R.T. 0.02 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

Instrument :

MSVOA_L

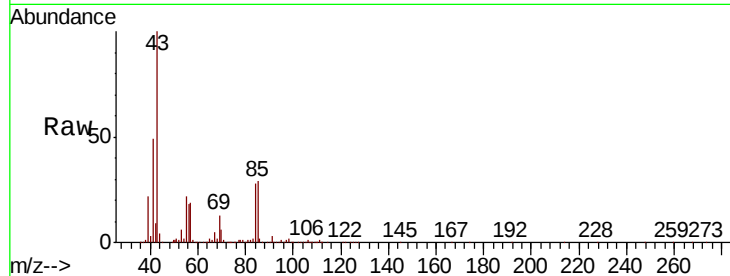
ClientSampleId :

Tot Ion: 91 Resp: 31312

Ion Ratio Lower Upper

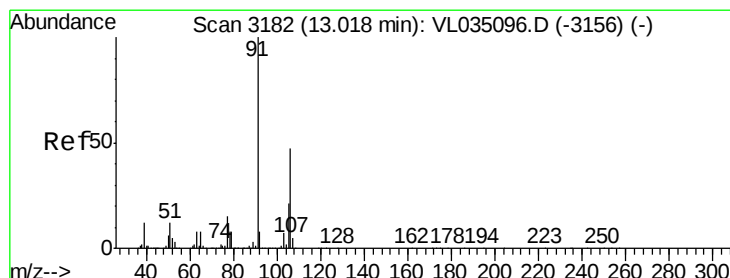
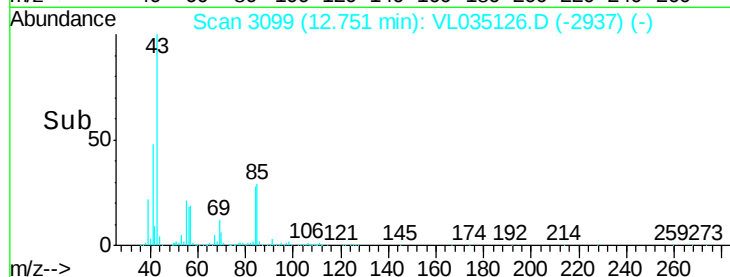
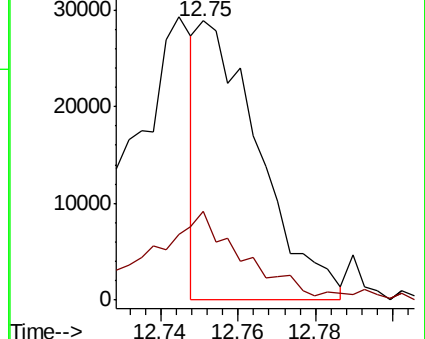
91 100

106 30.9 25.0 37.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.068 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. 0.02 min

Lab File: VL035126.D

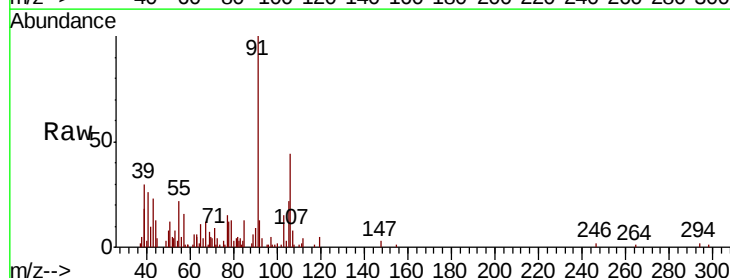
Acq: 30 Jun 2020 15:38

Tgt Ion: 91 Resp: 18250

Ion Ratio Lower Upper

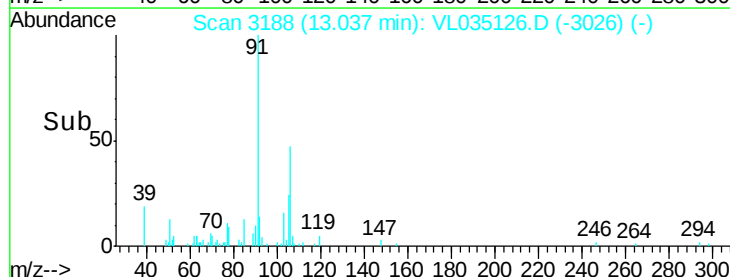
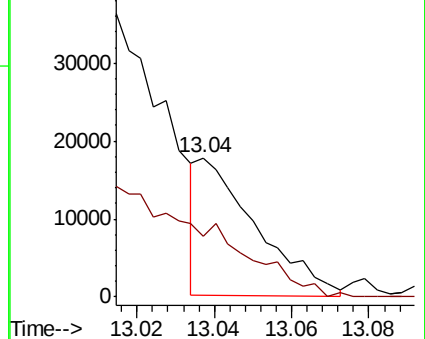
91 100

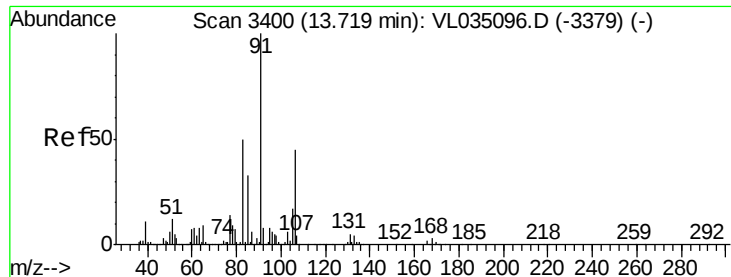
106 0.0 36.5 54.7#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

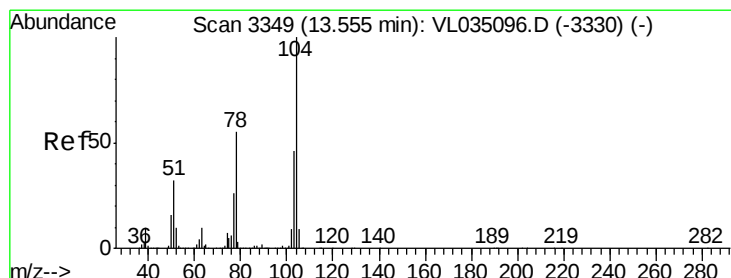
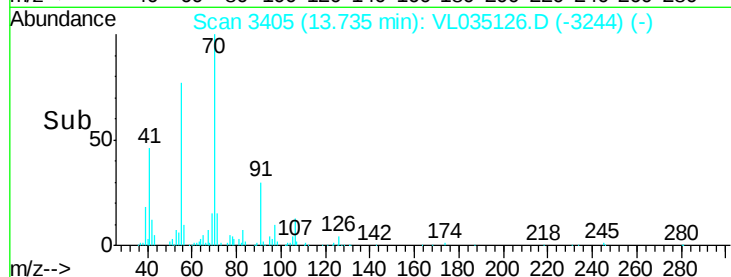
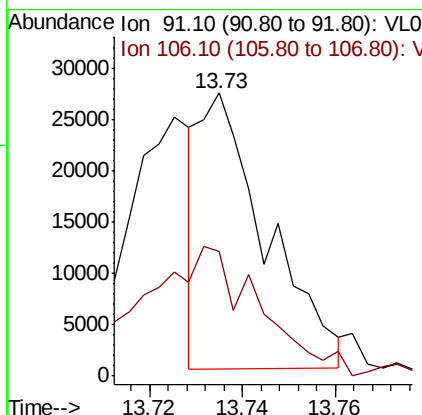
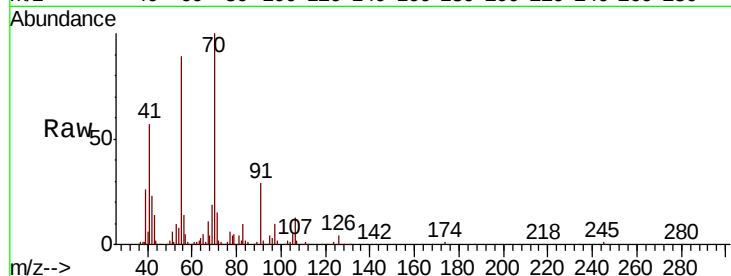




#60
o-Xylene
Concen: 0.100 ppbv
RT: 13.73 min Scan# 3405
Delta R.T. 0.02 min
Lab File: VL035126.D
Acq: 30 Jun 2020 15:38

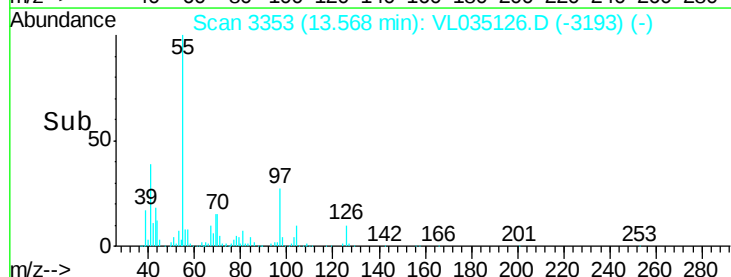
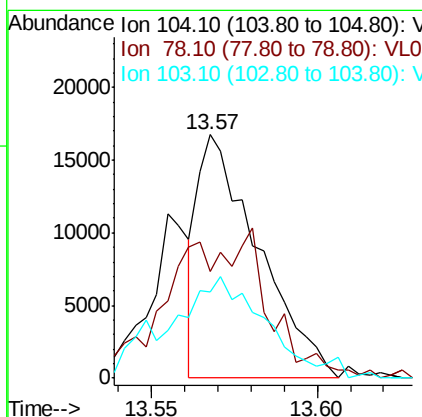
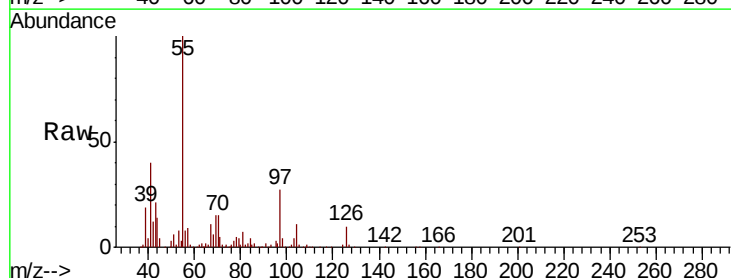
Instrument :
MSVOA_L
ClientSampleId :

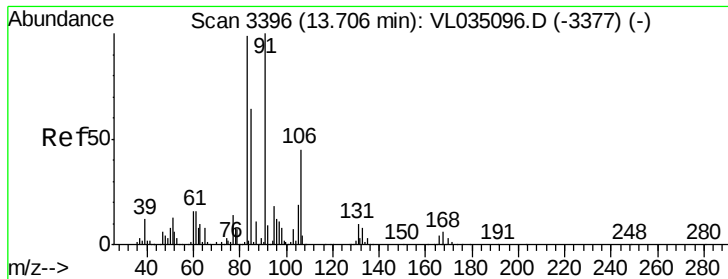
Tot Ion: 91 Resp: 26757
Ion Ratio Lower Upper
91 100
106 88.1 22.1 66.5#



#61
Styrene
Concen: 0.126 ppbv
RT: 13.57 min Scan# 3353
Delta R.T. 0.01 min
Lab File: VL035126.D
Acq: 30 Jun 2020 15:38

Tgt Ion: 104 Resp: 21268
Ion Ratio Lower Upper
104 100
78 102.6 43.4 65.0#
103 69.4 38.3 57.5#

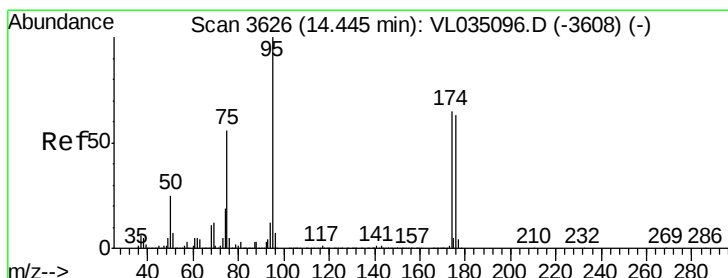
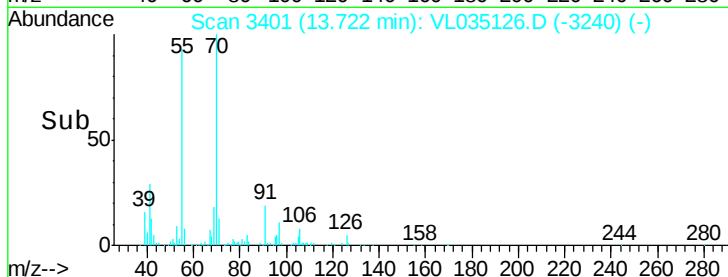
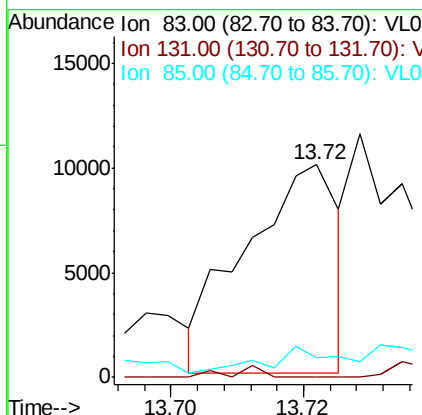
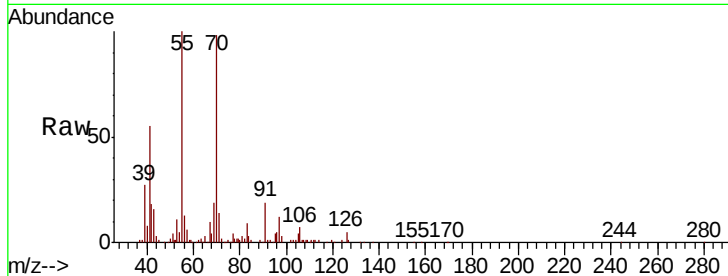




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.045 ppbv
 RT: 13.72 min Scan# 3401
 Delta R.T. 0.02 min
 Lab File: VL035126.D
 Acq: 30 Jun 2020 15:38

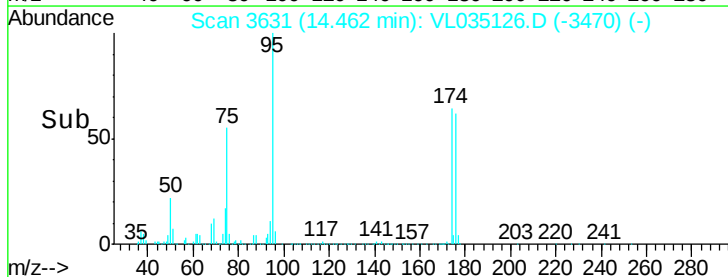
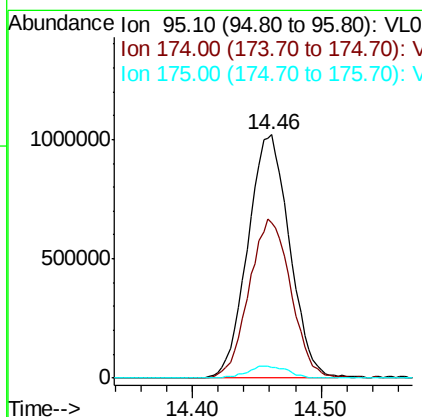
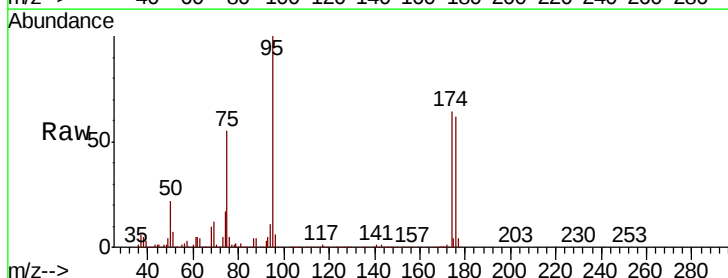
Instrument :
 MSVOA_L
 ClientSampled :

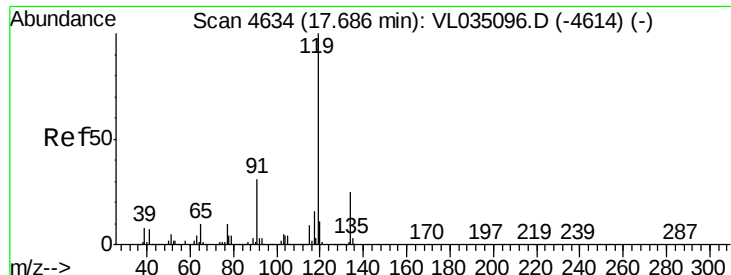
Tot Ion: 83 Resp: 9770
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.7 14.0#
 85 0.0 32.4 97.0#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.247 ppbv
 RT: 14.46 min Scan# 3631
 Delta R.T. 0.02 min
 Lab File: VL035126.D
 Acq: 30 Jun 2020 15:38

Tgt Ion: 95 Resp: 2299185
 Ion Ratio Lower Upper
 95 100
 174 65.7 52.2 78.2
 175 5.0 4.0 6.0

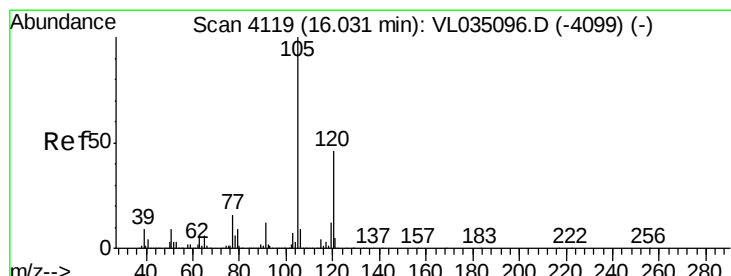
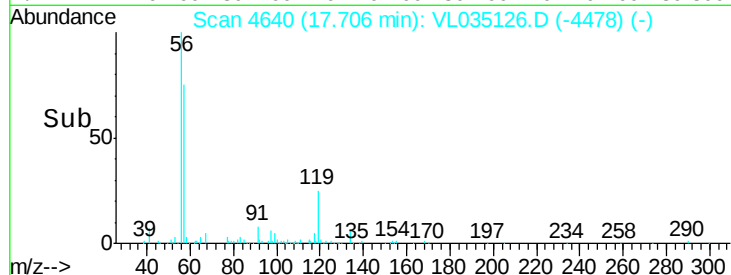
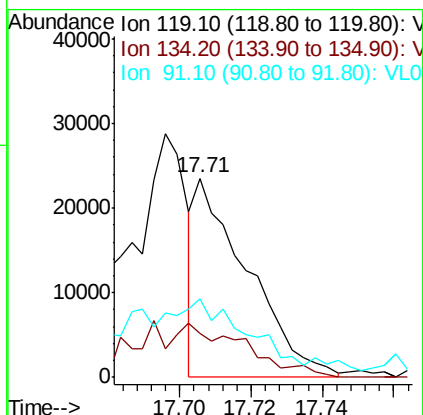
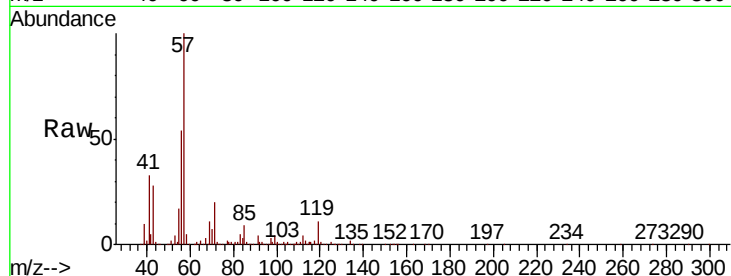




#69
 p-Isopropyltoluene
 Concen: 0.061 ppbv
 RT: 17.71 min Scan# 4640
 Delta R.T. 0.02 min
 Lab File: VL035126.D
 Acq: 30 Jun 2020 15:38

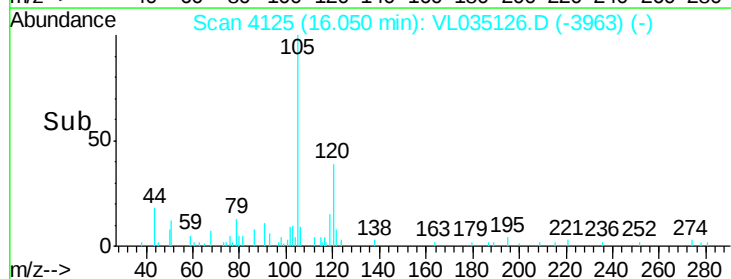
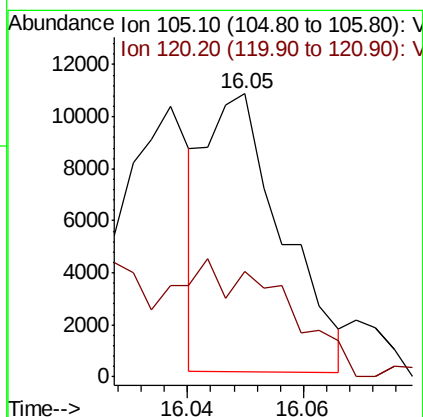
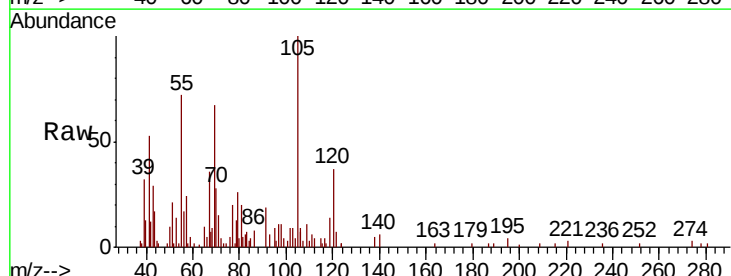
Instrument :
 MSVOA_L
 ClientSampleId :

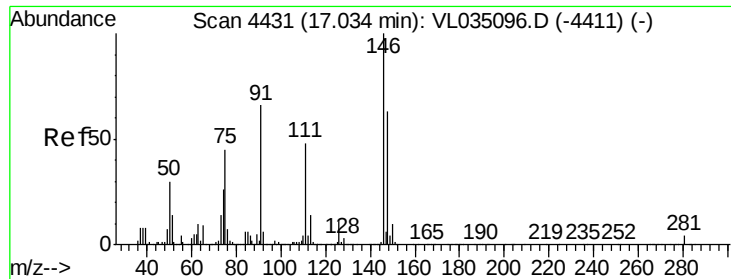
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.4	30.6#
91	111.2	24.5	36.7#



#73
 1,3,5-Trimethylbenzene
 Concen: 0.035 ppbv
 RT: 16.05 min Scan# 4125
 Delta R.T. 0.02 min
 Lab File: VL035126.D
 Acq: 30 Jun 2020 15:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	31.2	37.0	55.6#





#75

1,3-Dichlorobenzene

Concen: 0.202 ppbv

RT: 17.05 min Scan# 4437

Delta R.T. 0.02 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

Instrument :

MSVOA_L

ClientSampleId :

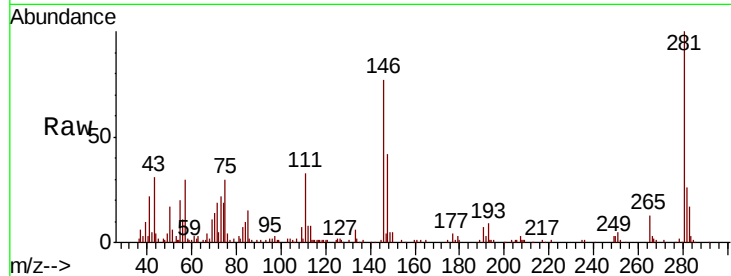
Tot Ion:146 Resp: 37887

Ion Ratio Lower Upper

146 100

111 0.0 24.1 72.4#

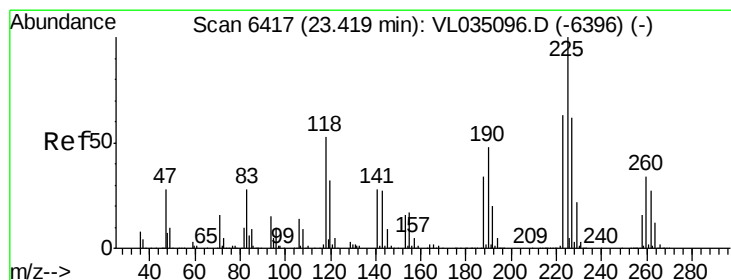
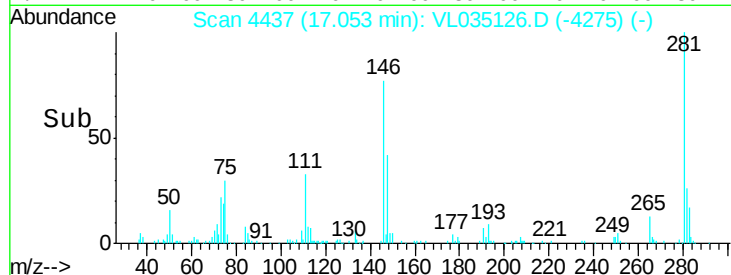
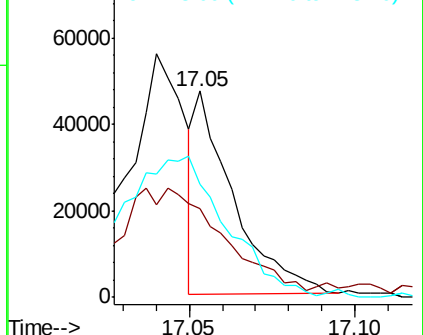
148 199.1 32.3 96.8#



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



#78

Hexachloro-1,3-Butadiene

Concen: 0.052 ppbv

RT: 23.45 min Scan# 6425

Delta R.T. 0.03 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

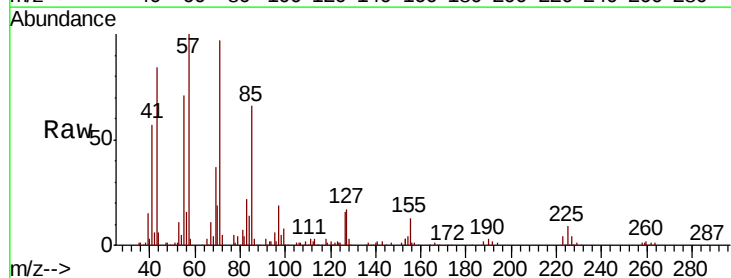
Tgt Ion:225 Resp: 7980

Ion Ratio Lower Upper

225 100

223 0.0 51.4 77.0#

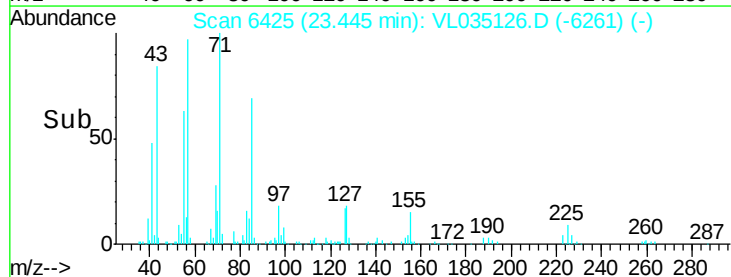
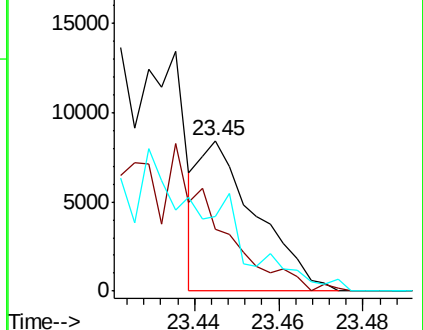
227 0.0 51.8 77.8#

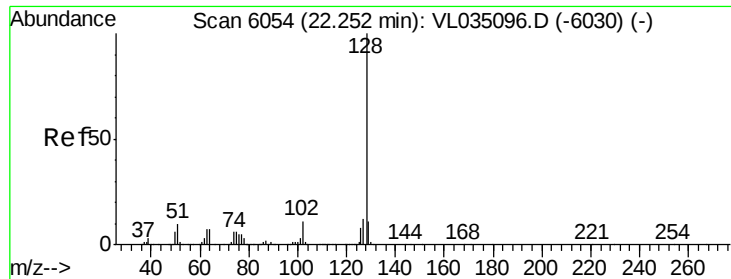


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.042 ppbv

RT: 22.28 min Scan# 6062

Delta R.T. 0.03 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

Instrument :

MSVOA_L

ClientSampled :

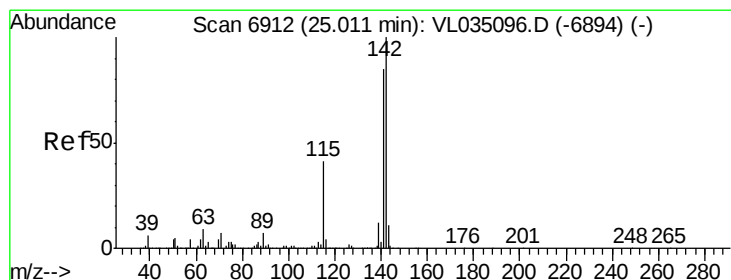
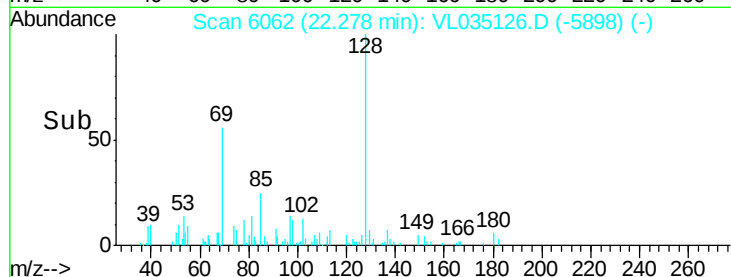
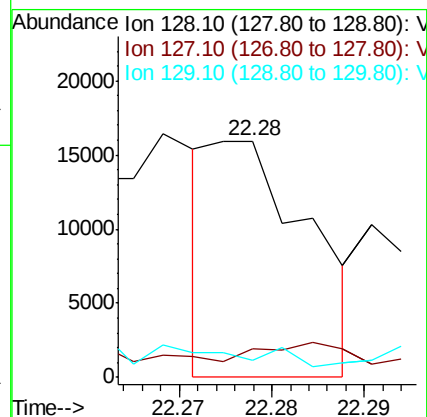
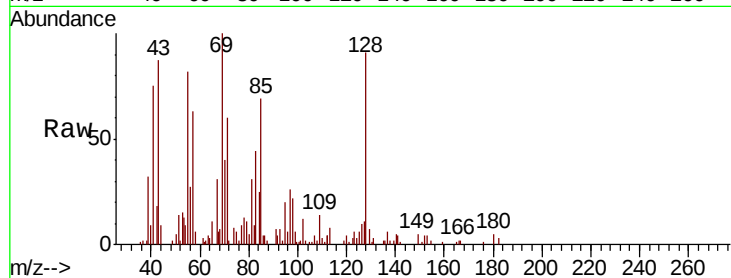
Tot Ion:128 Resp: 11658

Ion Ratio Lower Upper

128 100

127 6.5 9.9 14.9#

129 2.3 9.0 13.4#



#80

Naphthalene, 2-methyl-

Concen: 0.165 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. 0.00 min

Lab File: VL035126.D

Acq: 30 Jun 2020 15:38

Tgt Ion:142 Resp: 17386

Ion Ratio Lower Upper

142 100

141 88.8 67.5 101.3

115 50.7 33.8 50.8

