

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\
 Data File : VL035129.D
 Acq On : 30 Jun 2020 17:39
 Operator : SY/AP
 Sample : L3124-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 01 02:59:34 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	1271115	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.20	114	3013235	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.13	117	2856377	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2360906	9.95	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	39474	0.230	ppbv 95
3) Chlorodifluoromethane	2.93	51	95916	0.683	ppbv # 80
4) Chloromethane	3.10	50	42273	0.537	ppbv # 88
7) Chloroethane	3.53	64	8497	0.301	ppbv 91
9) Propene	2.97	41	4614255	82.986	ppbv 97
11) Trichlorofluoromethane	3.93	101	60473	0.330	ppbv 91
12) 1,1,2-Trichlorotrifluoroet	4.48	101	59927	0.473	ppbv 98
13) Ethanol	3.59	45	2937114	139.828	ppbv 97
15) Acetone	3.83	43	10087921	65.642	ppbv # 11
16) 1,3-Butadiene	3.32	39	315904	4.687	ppbv # 7
17) tert-Butyl alcohol	4.30	59	1528380	11.222	ppbv 99
18) 1,1-Dichloroethene	4.28	96	132161	2.311	ppbv 99
19) Isopropyl Alcohol	3.97	45	6885364	69.000	ppbv # 1
20) Methylene Chloride	4.34	84	350623	5.637	ppbv 95
21) Allyl Chloride	4.29	41	507194	5.553	ppbv # 65
22) trans-1,2-Dichloroethene	4.88	96	42370	0.792	ppbv 91
23) Vinyl Acetate	5.07	43	311268	1.669	ppbv # 92
24) 1,1-Dichloroethane	5.02	63	1072810	6.821	ppbv 99
25) Ethyl Acetate	5.69	43	289799	1.045	ppbv # 83
26) Hexane	5.68	57	319255	2.553	ppbv # 1
28) Methyl tert-Butyl Ether	5.17	73	32216	0.183	ppbv # 1
29) Chloroform	5.76	83	6511	0.033	ppbv # 69
30) Cyclohexane	7.20	84	10506	0.117	ppbv # 1
31) cis-1,2-Dichloroethene	5.56	61	7085	0.061	ppbv # 63
32) 1,1,1-Trichloroethane	6.53	97	1070898	5.900	ppbv 99
34) 2-Butanone	5.25	43	18388010	106.263	ppbv # 50
36) Benzene	6.91	78	58891	0.252	ppbv # 81
39) 1,2-Dichloropropane	7.20	63	791126	8.669	ppbv # 30
41) Tetrahydrofuran	6.06	42	4558	0.052	ppbv # 35
42) Bromodichloromethane	7.83	83	24891	0.130	ppbv # 31
43) Methyl Methacrylate	8.08	69	27202	0.275	ppbv 96
44) 2,2,4-Trimethylpentane	7.83	57	93367	0.229	ppbv # 1
50) 4-Methyl-2-Pentanone	8.76	43	93088	0.379	ppbv # 65
51) 2-Hexanone	10.16	43	5621690	29.197	ppbv # 96
53) Toluene	9.84	91	87769	0.353	ppbv # 20
58) Ethyl Benzene	12.75	91	32306	0.101	ppbv 97
59) m/p-Xylene	13.04	91	18280	0.064	ppbv # 31
60) o-Xylene	13.74	91	26691	0.094	ppbv # 62
61) Styrene	13.57	104	9140	0.051	ppbv # 4
72) 4-Ethyltoluene	15.89	105	11694	0.037	ppbv # 42
74) 1,2,4-Trimethylbenzene	16.82	105	22667	0.068	ppbv # 54

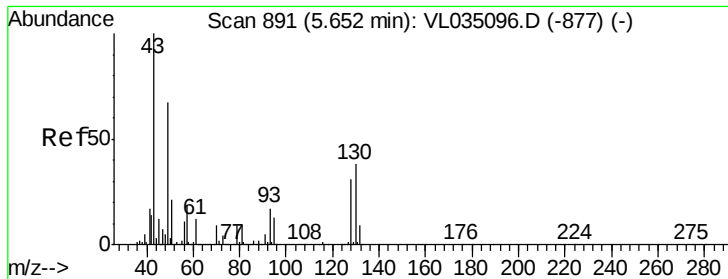
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\
Data File : VL035129.D
Acq On : 30 Jun 2020 17:39
Operator : SY/AP
Sample : L3124-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jul 01 02:59:34 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)
75) 1,3-Dichlorobenzene	17.05	146	28541	0.144	ppbv	# 1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.03 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

Instrument :

MSVOA_L

ClientSampled :

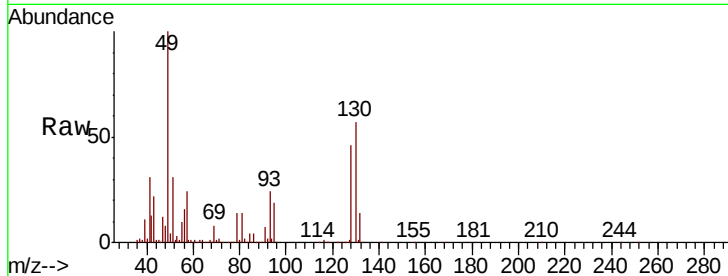
Tot Ion: 49 Resp: 1271115

Ion Ratio Lower Upper

49 100

128 45.9 22.9 68.5

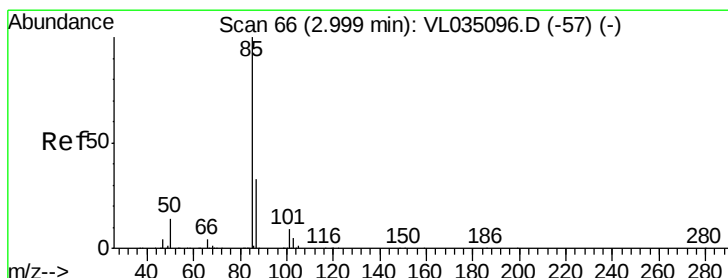
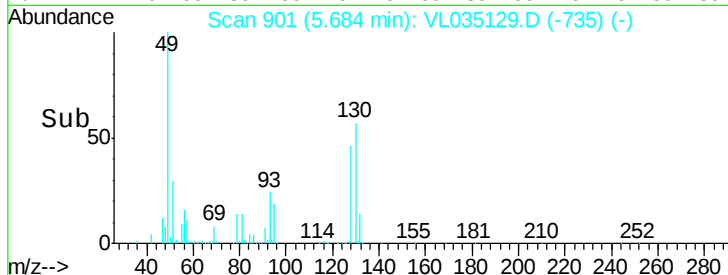
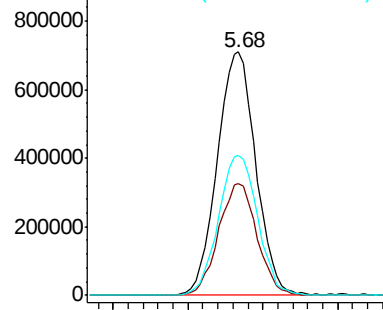
130 58.8 29.0 87.0



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



#2

Dichlorodifluoromethane

Concen: 0.230 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035129.D

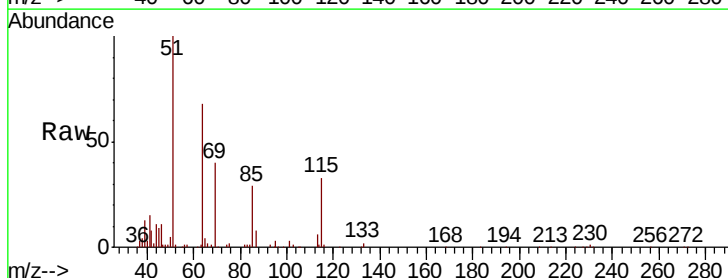
Acq: 30 Jun 2020 17:39

Tgt Ion: 85 Resp: 39474

Ion Ratio Lower Upper

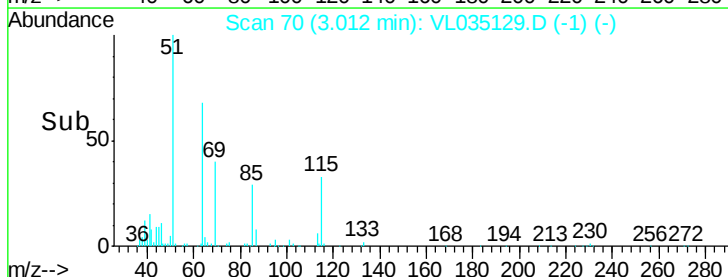
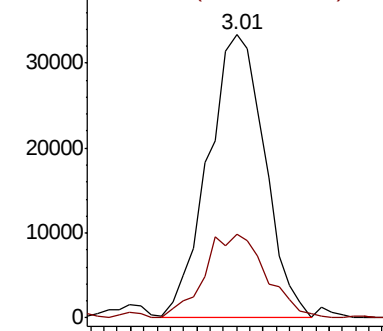
85 100

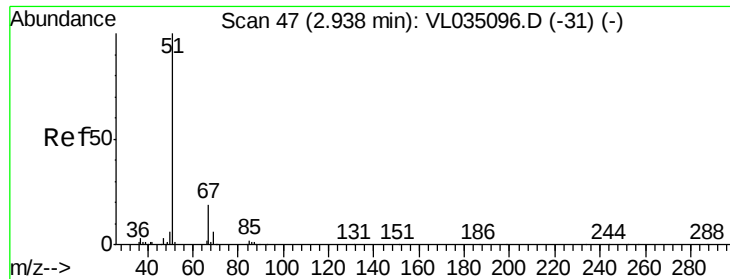
87 29.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.683 ppbv

RT: 2.93 min Scan# 43

Delta R.T. -0.01 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

Instrument :

MSVOA_L

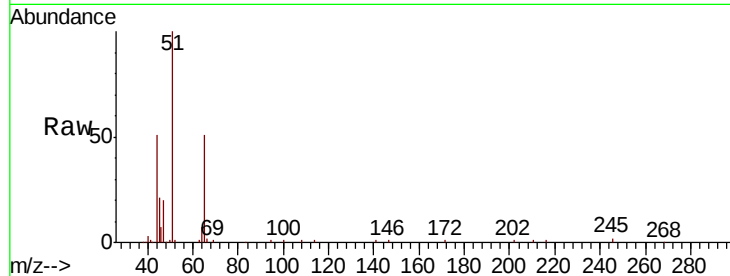
ClientSampleId :

Tot Ion: 51 Resp: 95916

Ion Ratio Lower Upper

51 100

67 9.9 15.2 22.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

150000

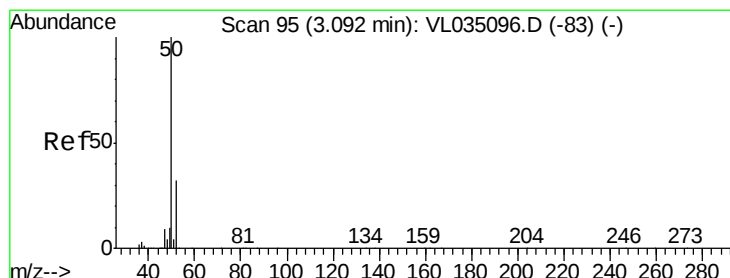
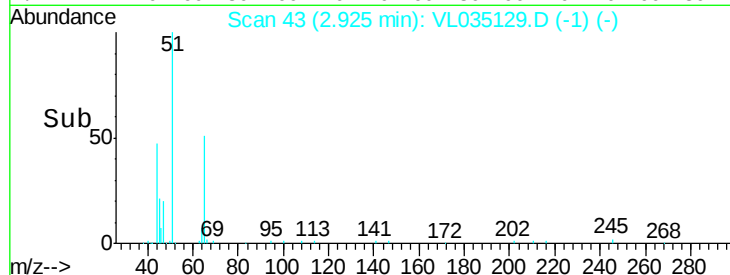
100000

50000

0

2.90 2.95

Time-->



#4

Chloromethane

Concen: 0.537 ppbv

RT: 3.10 min Scan# 98

Delta R.T. 0.01 min

Lab File: VL035129.D

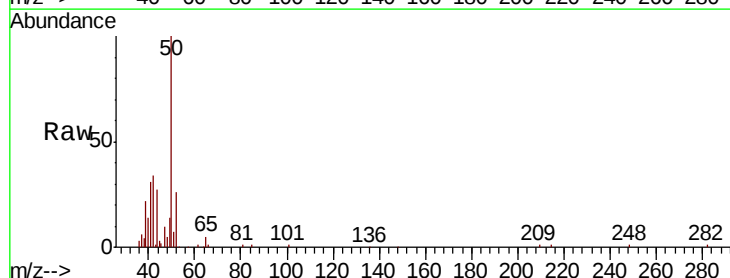
Acq: 30 Jun 2020 17:39

Tgt Ion: 50 Resp: 42273

Ion Ratio Lower Upper

50 100

52 24.9 25.4 38.0#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

40000

30000

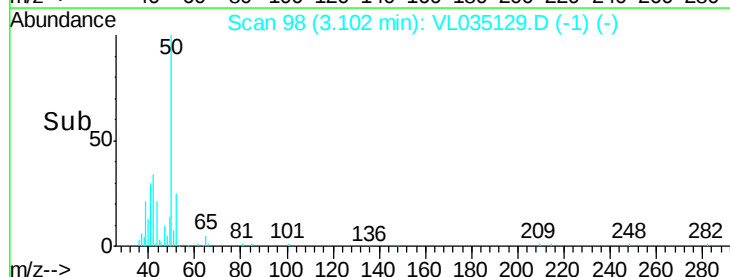
20000

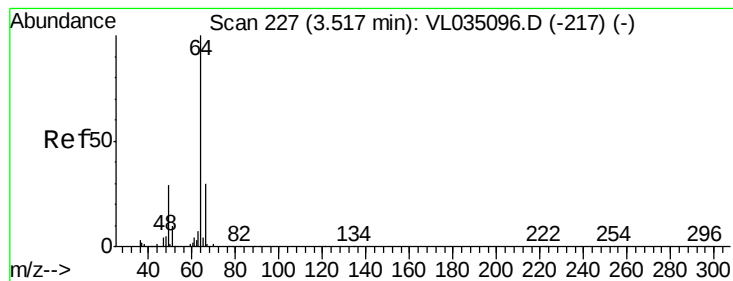
10000

0

3.05 3.10 3.15

Time-->





#7

Chloroethane

Concen: 0.301 ppbv

RT: 3.53 min Scan# 232

Delta R.T. 0.02 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

Instrument :

MSVOA_L

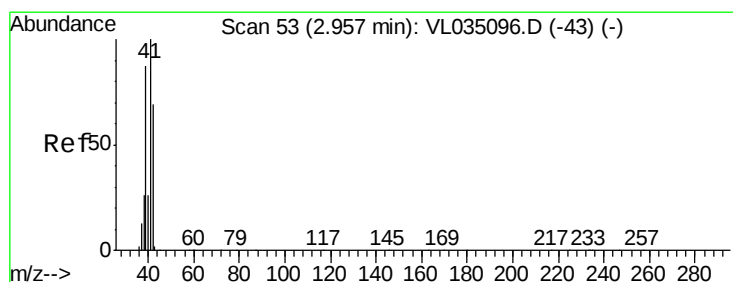
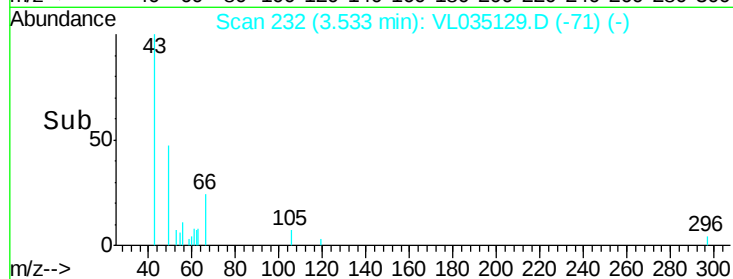
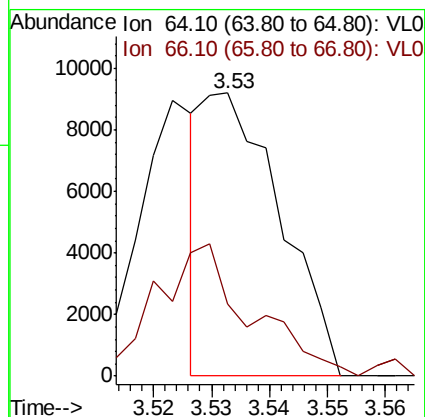
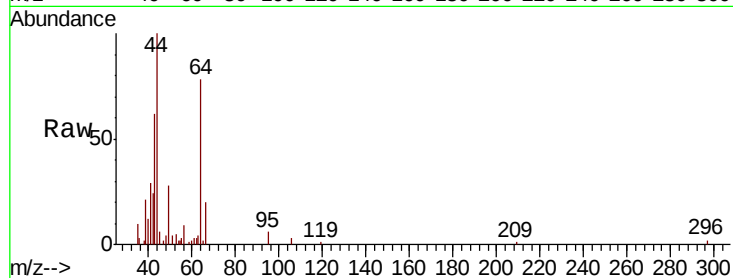
ClientSampleId :

Tot Ion: 64 Resp: 8497

Ion Ratio Lower Upper

64 100

66 25.6 24.2 36.4



#9

Propene

Concen: 82.986 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.02 min

Lab File: VL035129.D

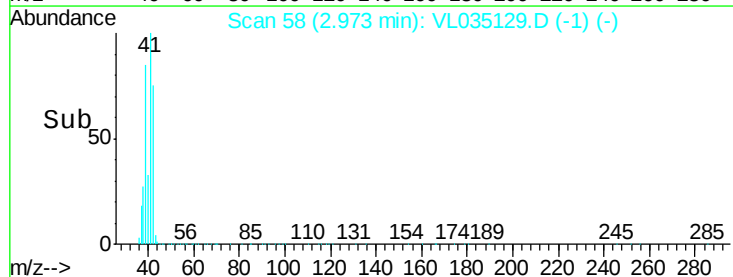
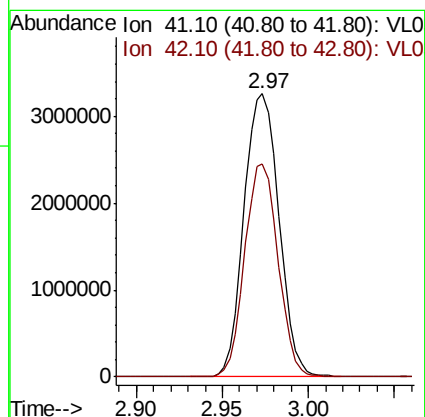
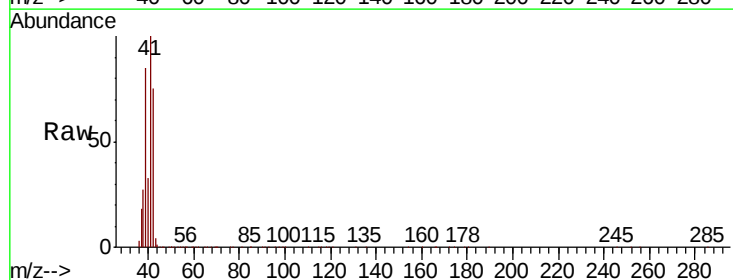
Acq: 30 Jun 2020 17:39

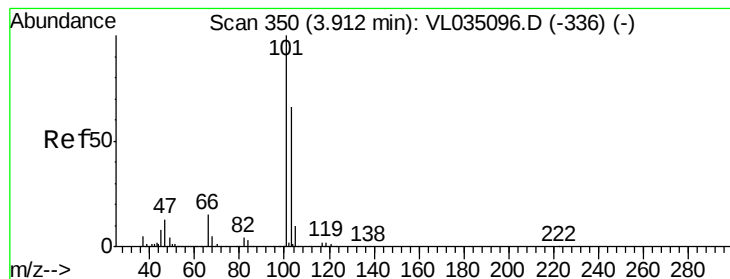
Tgt Ion: 41 Resp: 4614255

Ion Ratio Lower Upper

41 100

42 72.0 55.8 83.6





#11

Trichlorofluoromethane

Concen: 0.330 ppbv

RT: 3.93 min Scan# 355

Delta R.T. 0.02 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

Instrument :

MSVOA_L

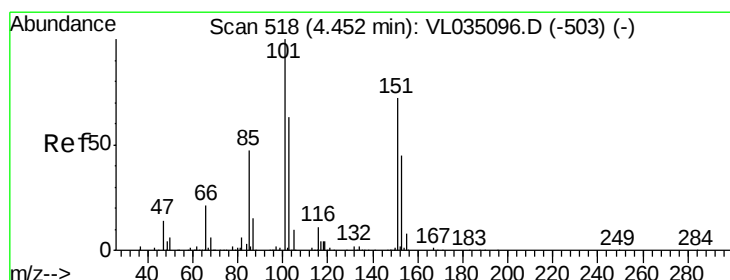
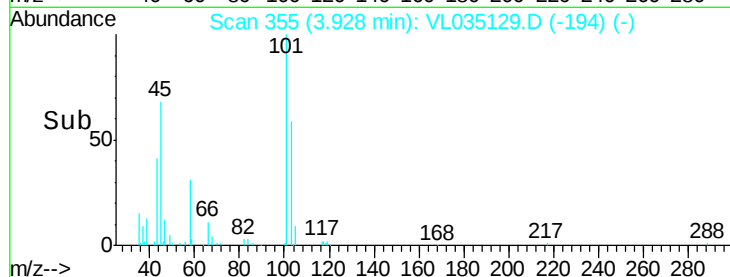
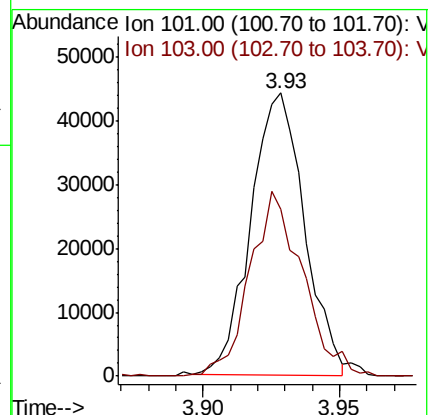
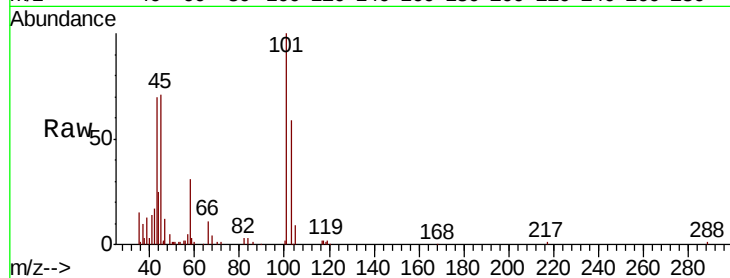
ClientSampleId :

Tot Ion:101 Resp: 60473

Ion Ratio Lower Upper

101 100

103 58.5 52.6 79.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.473 ppbv

RT: 4.48 min Scan# 526

Delta R.T. 0.03 min

Lab File: VL035129.D

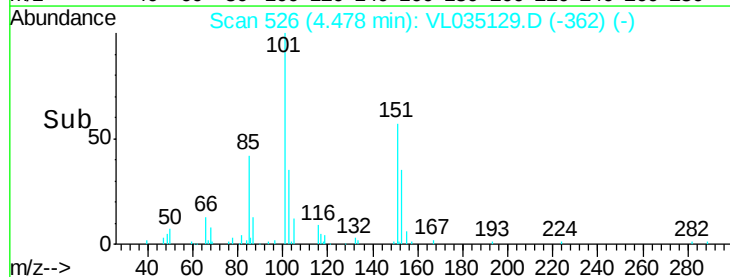
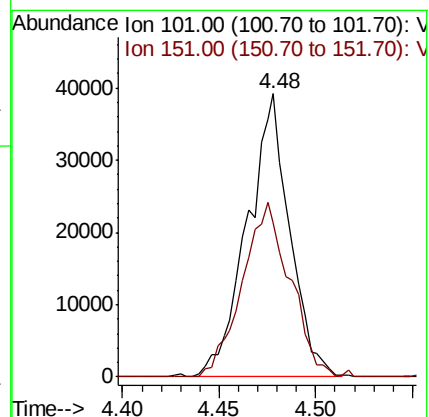
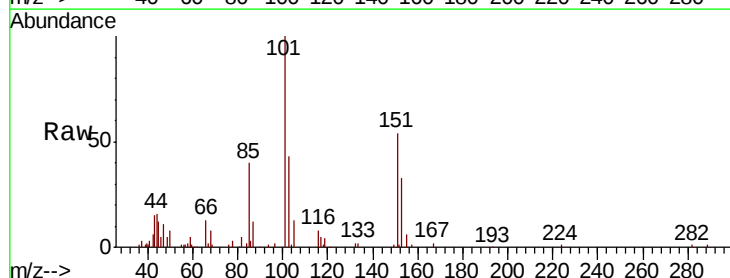
Acq: 30 Jun 2020 17:39

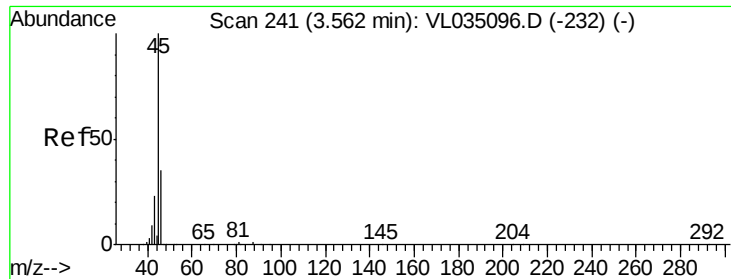
Tgt Ion:101 Resp: 59927

Ion Ratio Lower Upper

101 100

151 69.4 56.6 85.0

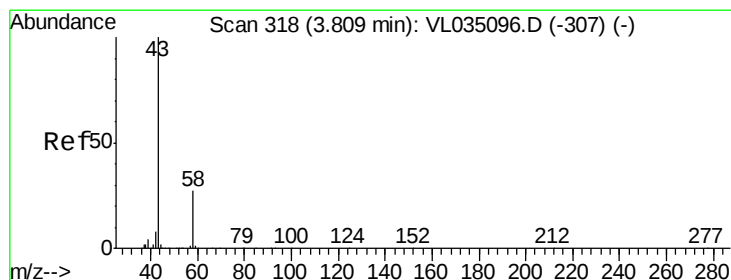
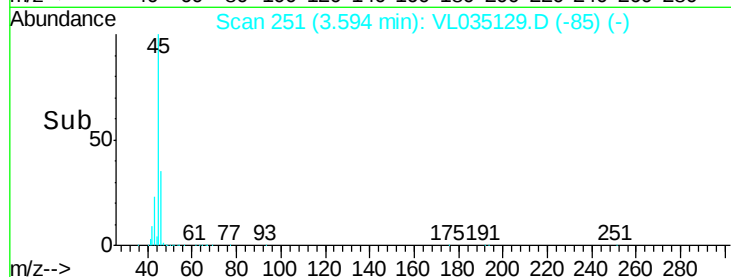
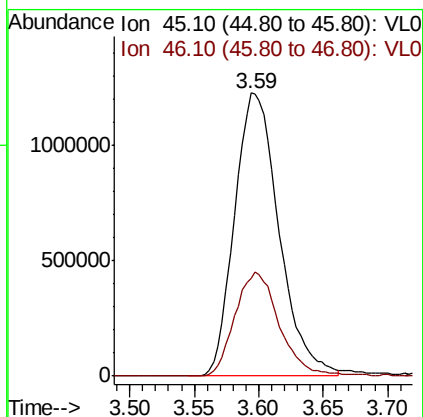
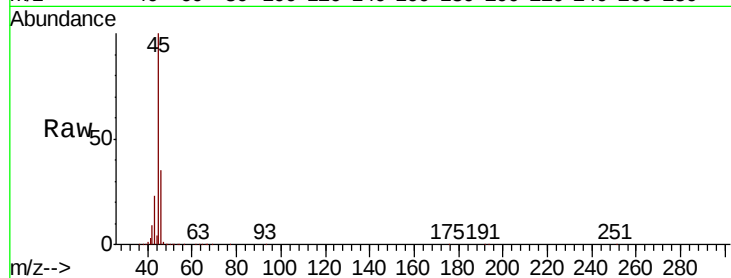




#13
Ethanol
Concen: 139.828 ppbv
RT: 3.59 min Scan# 251
Delta R.T. 0.03 min
Lab File: VL035129.D
Acq: 30 Jun 2020 17:39

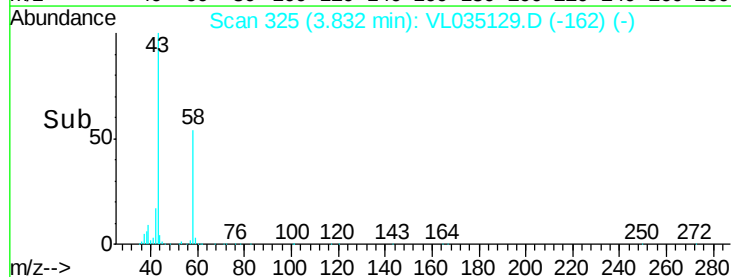
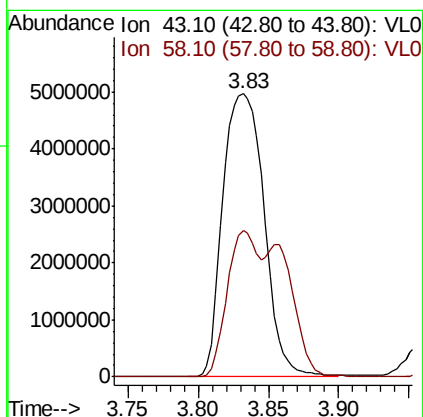
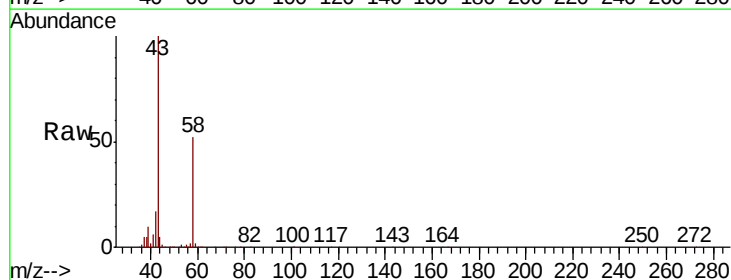
Instrument :
MSVOA_L
ClientSampleId :

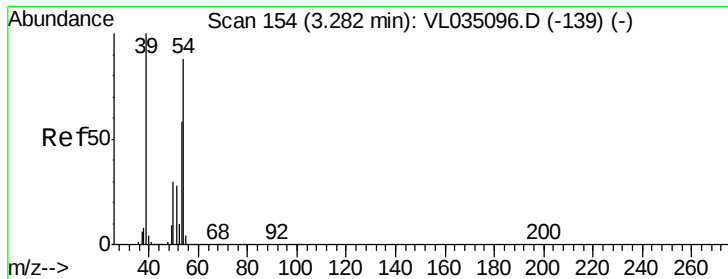
Tot Ion: 45 Resp: 2937114
Ion Ratio Lower Upper
45 100
46 37.1 14.2 57.0



#15
Acetone
Concen: 65.642 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.02 min
Lab File: VL035129.D
Acq: 30 Jun 2020 17:39

Tgt Ion: 43 Resp: 10087921
Ion Ratio Lower Upper
43 100
58 73.2 21.8 32.6#

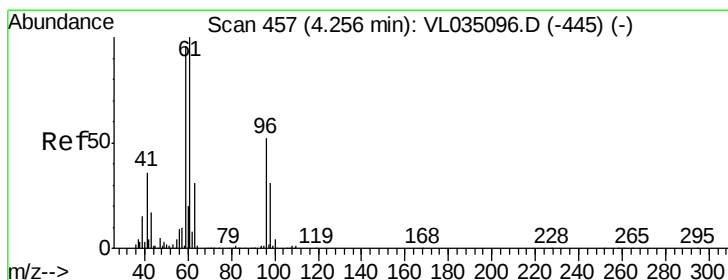
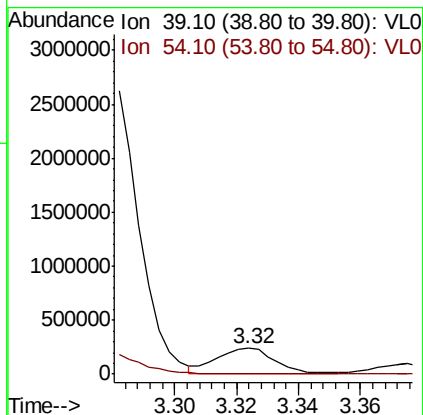
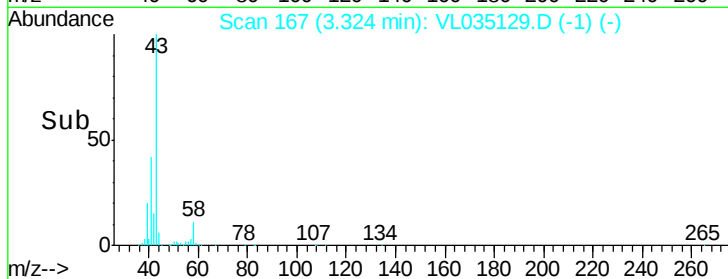
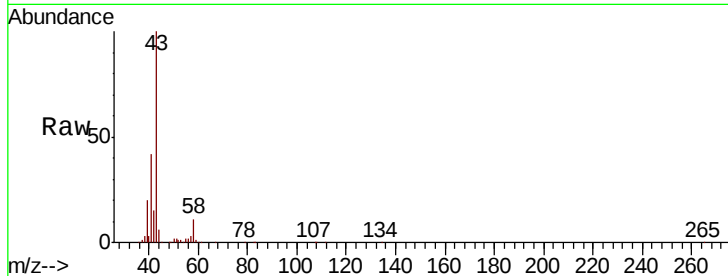




#16
 1,3-Butadiene
 Concen: 4.687 ppbv
 RT: 3.32 min Scan# 167
 Delta R.T. 0.04 min
 Lab File: VL035129.D
 Acq: 30 Jun 2020 17:39

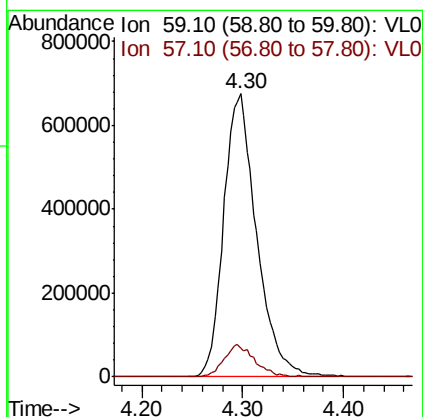
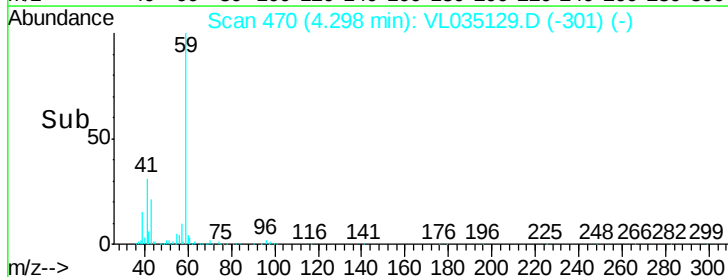
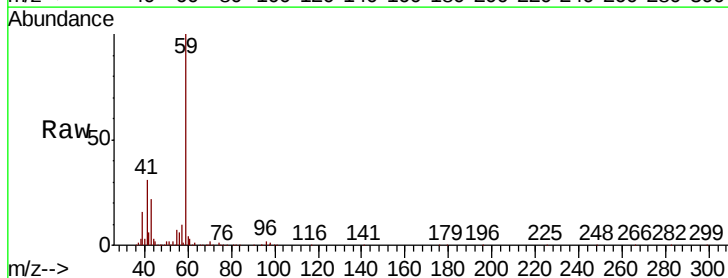
Instrument :
 MSVOA_L
 ClientSampleId :

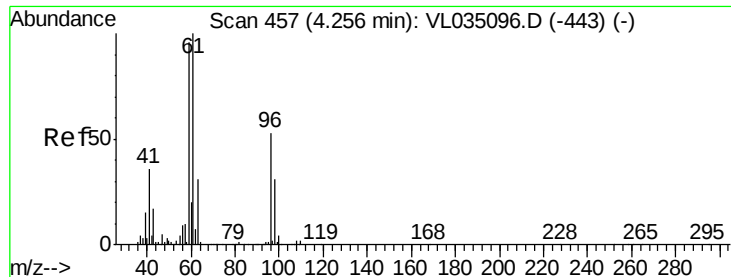
Tot Ion: 39 Resp: 315904
 Ion Ratio Lower Upper
 39 100
 54 0.0 67.0 100.4#



#17
 tert-Butyl alcohol
 Concen: 11.222 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.04 min
 Lab File: VL035129.D
 Acq: 30 Jun 2020 17:39

Tgt Ion: 59 Resp: 1528380
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.6 12.8





#18

1,1-Dichloroethene

Concen: 2.311 ppbv

RT: 4.28 min Scan# 464

Delta R.T. 0.02 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

Instrument :

MSVOA_L

ClientSampleId :

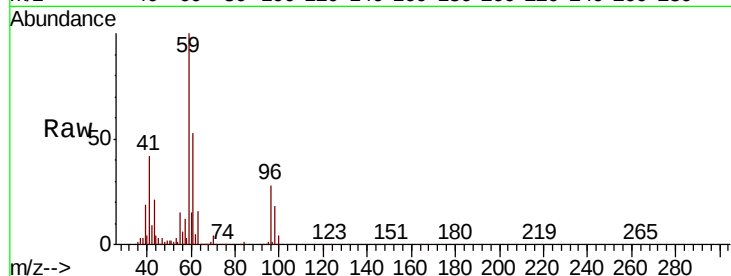
Tot Ion: 96 Resp: 132161

Ion Ratio Lower Upper

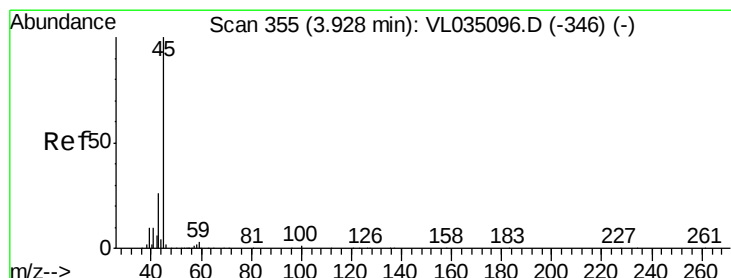
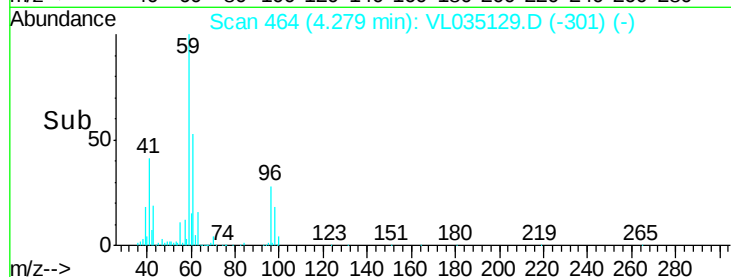
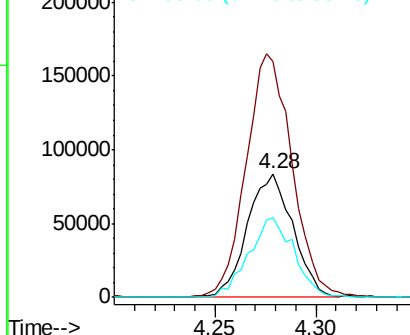
96 100

61 190.3 152.2 228.4

98 64.3 47.7 71.5



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



#19

Isopropyl Alcohol

Concen: 69.000 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.04 min

Lab File: VL035129.D

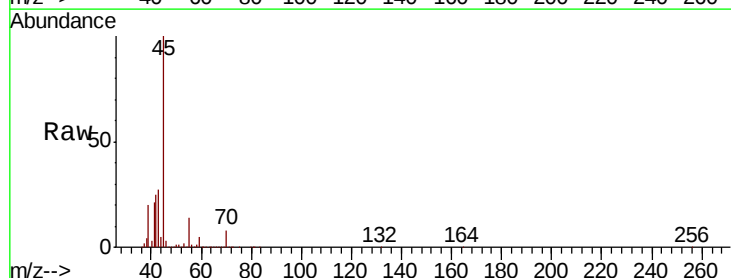
Acq: 30 Jun 2020 17:39

Tgt Ion: 45 Resp: 6885364

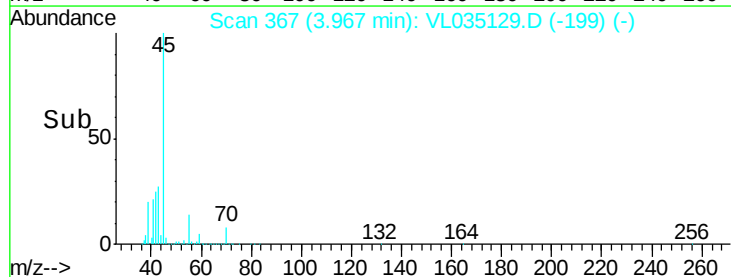
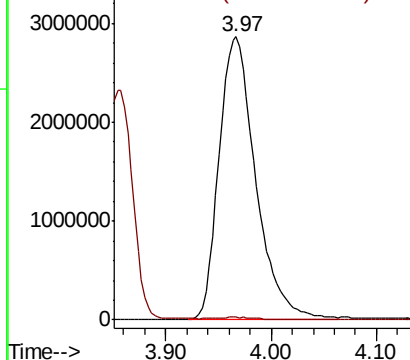
Ion Ratio Lower Upper

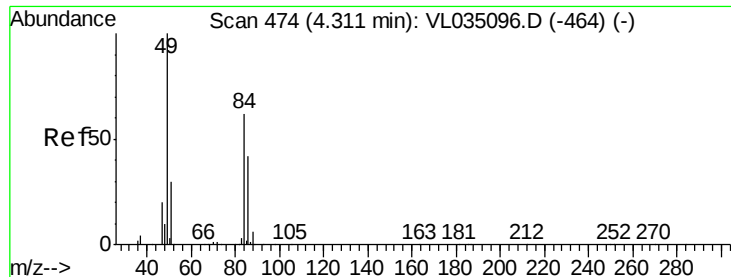
45 100

58 107.3 1.8 2.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

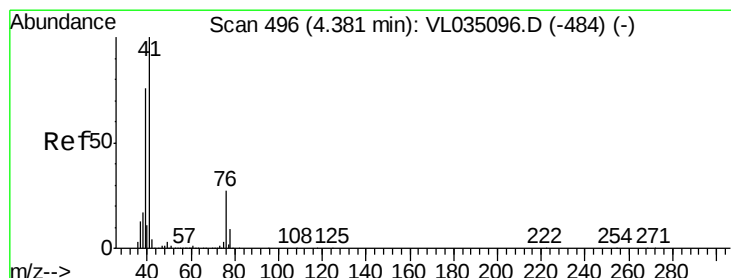
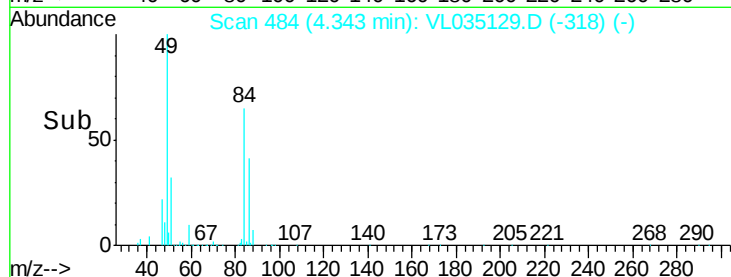
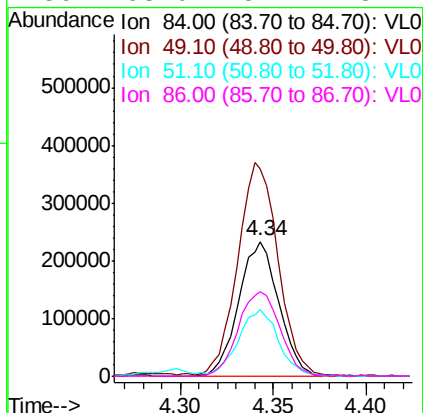
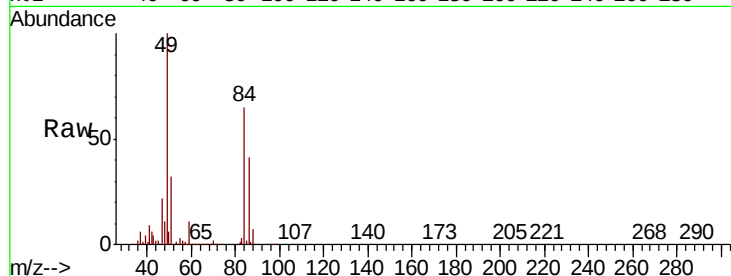




#20
Methvlene Chloride
Concen: 5.637 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.03 min
Lab File: VL035129.D
Acq: 30 Jun 2020 17:39

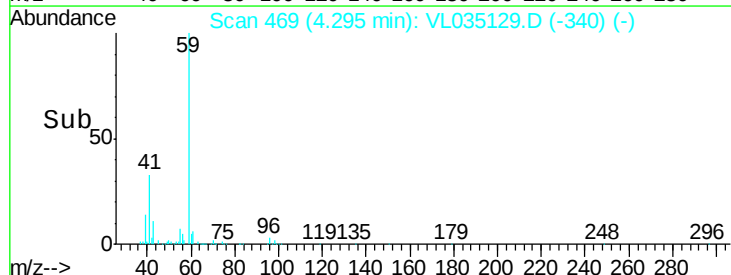
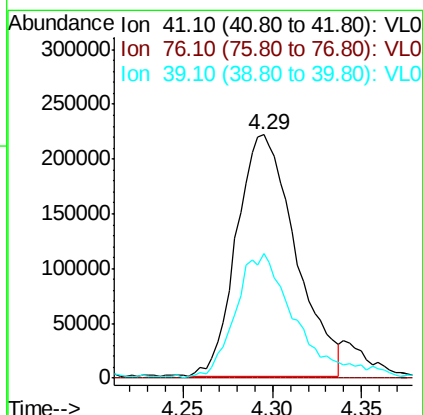
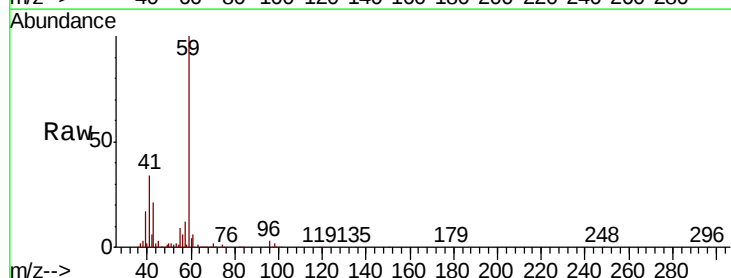
Instrument :
MSVOA_L
ClientSampled :

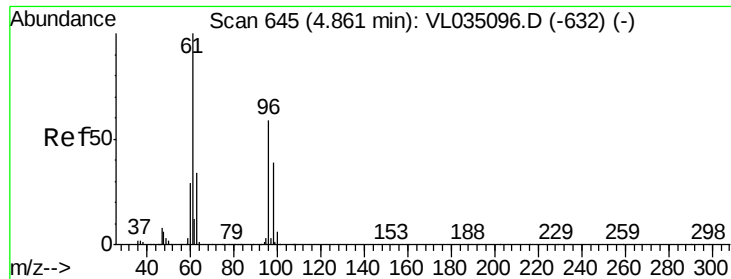
Tot Ion: 84 Resp: 350623
Ion Ratio Lower Upper
84 100
49 153.7 128.8 193.2
51 49.2 38.7 58.1
86 63.0 54.1 81.1



#21
Allyl Chloride
Concen: 5.553 ppbv
RT: 4.29 min Scan# 469
Delta R.T. -0.09 min
Lab File: VL035129.D
Acq: 30 Jun 2020 17:39

Tgt Ion: 41 Resp: 507194
Ion Ratio Lower Upper
41 100
76 0.1 22.6 34.0#
39 52.9 61.6 92.4#





#22

trans-1,2-Dichloroethene

Concen: 0.792 ppbv

RT: 4.88 min Scan# 652

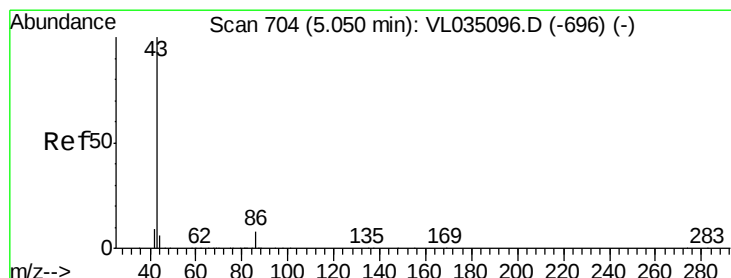
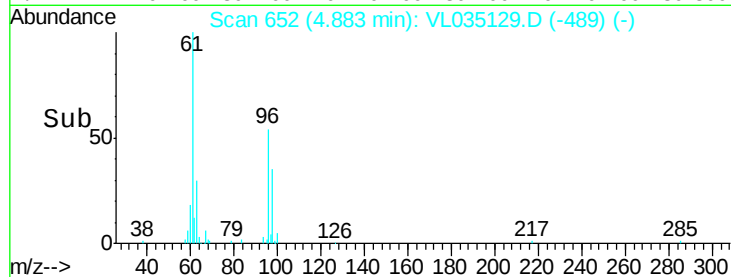
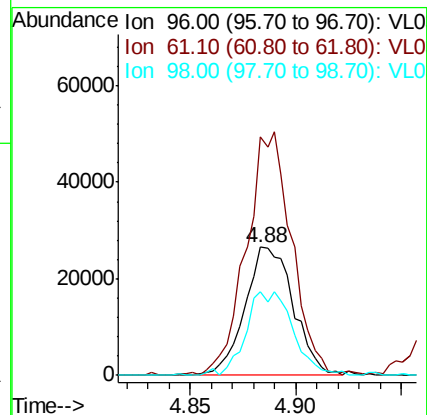
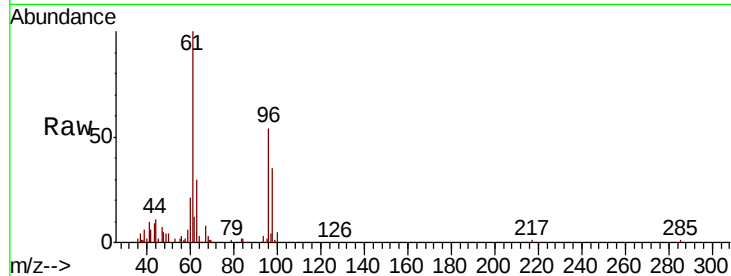
Delta R.T. 0.02 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	96	Resp:	42370
Ion	Ratio	Lower	Upper
96	100		
61	183.8	134.5	201.7
98	66.7	52.6	79.0



#23

Vinyl Acetate

Concen: 1.669 ppbv

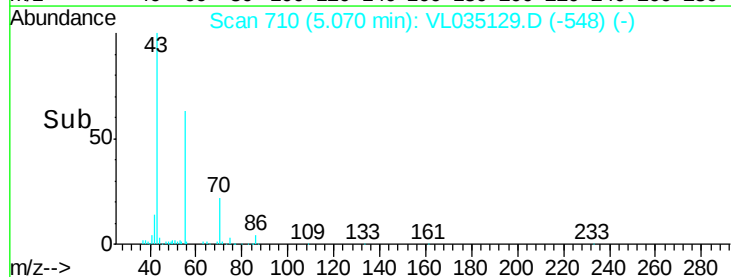
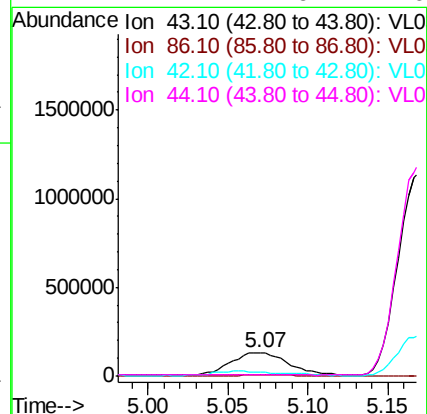
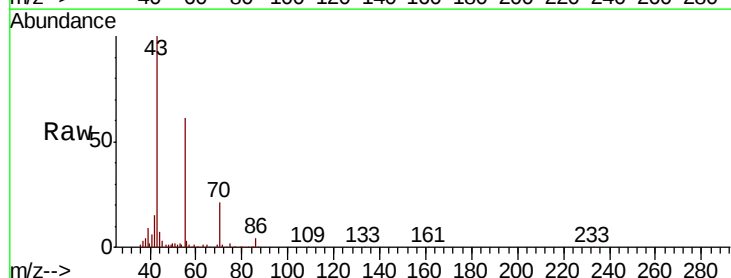
RT: 5.07 min Scan# 710

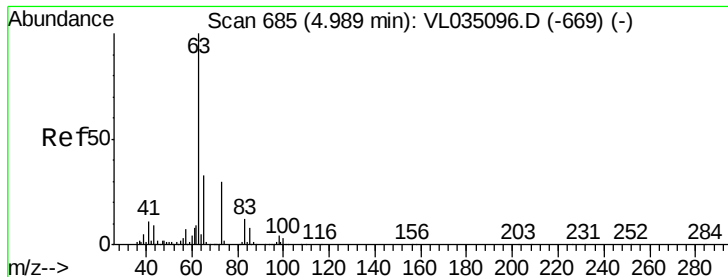
Delta R.T. 0.02 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

Tgt Ion:	43	Resp:	311268
Ion	Ratio	Lower	Upper
43	100		
86	3.9	6.2	9.2#
42	13.4	8.1	12.1#
44	4.7	4.6	7.0





#24

1,1-Dichloroethane

Concen: 6.821 ppbv

RT: 5.02 min Scan# 693

Delta R.T. 0.03 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

Instrument :
MSVOA_L
ClientSampleId :

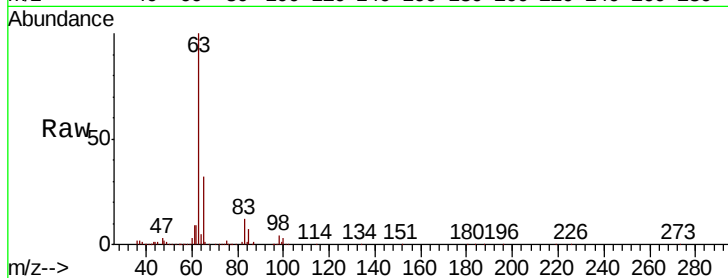
Tot Ion: 63 Resp: 1072810

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.3	6.9
100	3.4	1.4	4.0

63 100

98 4.3 2.3 6.9

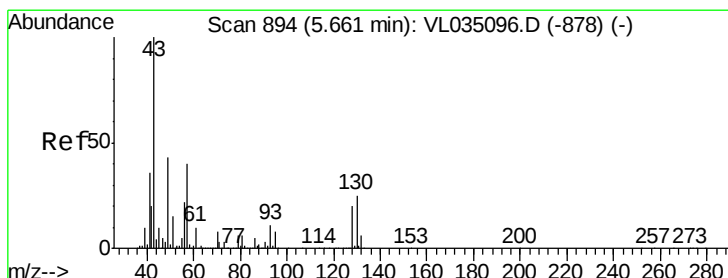
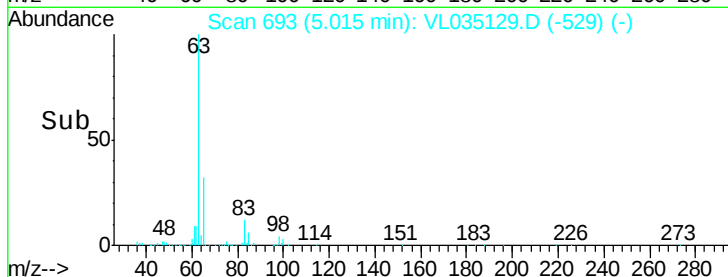
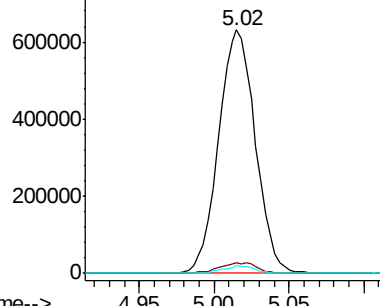
100 3.4 1.4 4.0



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: 1.045 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.03 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

Tgt Ion: 43 Resp: 289799

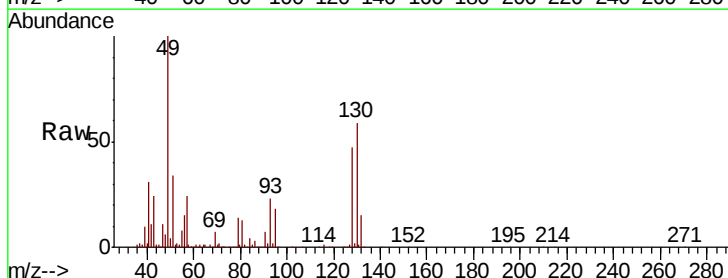
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.4	12.6#
61	3.4	8.0	12.0#
70	7.5	6.3	9.5

43 100

45 0.0 8.4 12.6#

61 3.4 8.0 12.0#

70 7.5 6.3 9.5

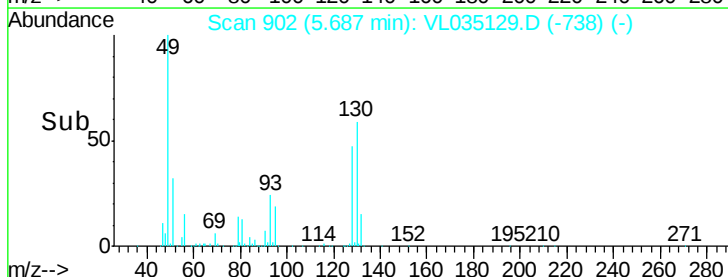
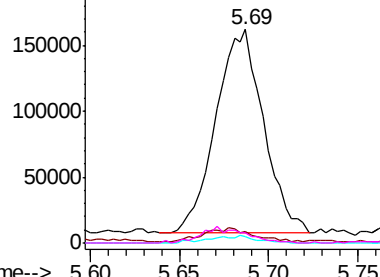


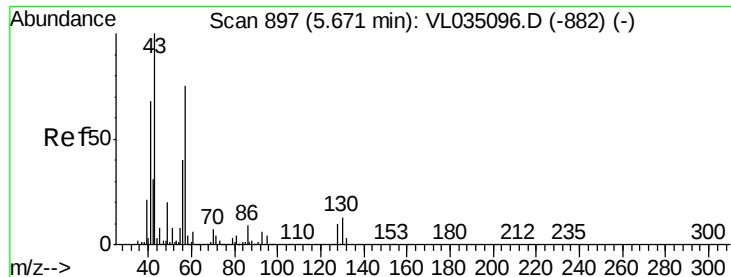
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

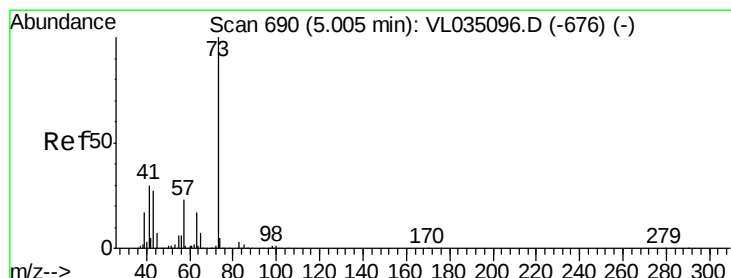
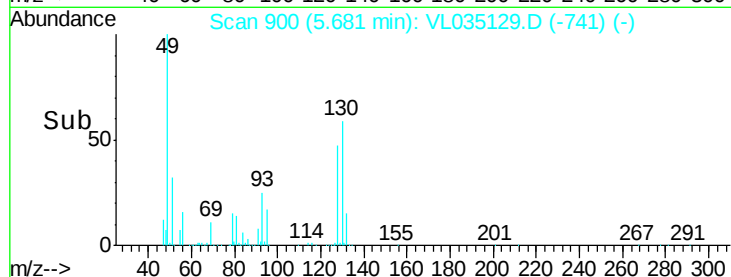
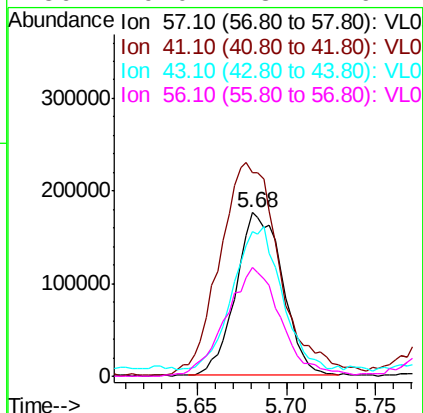
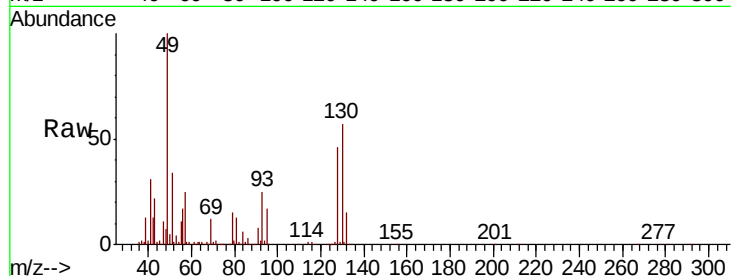




#26
Hexane
Concen: 2.553 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL035129.D
Acq: 30 Jun 2020 17:39

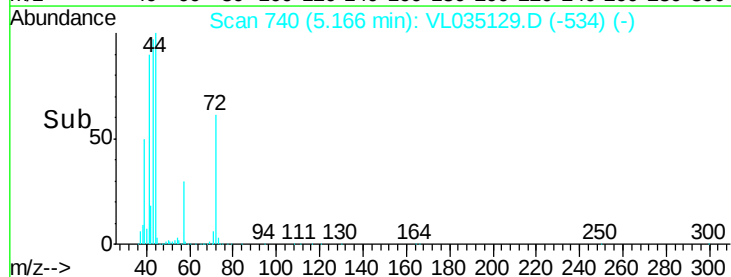
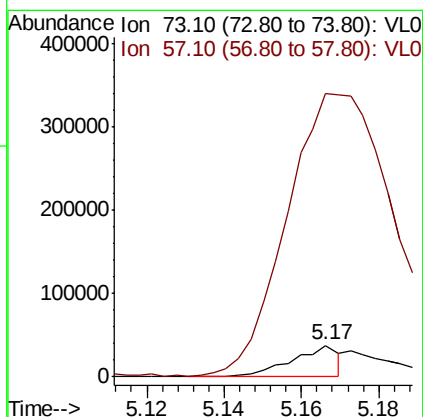
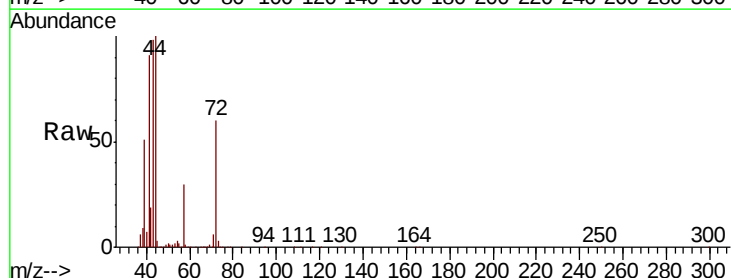
Instrument :
MSVOA_L
ClientSampleId :

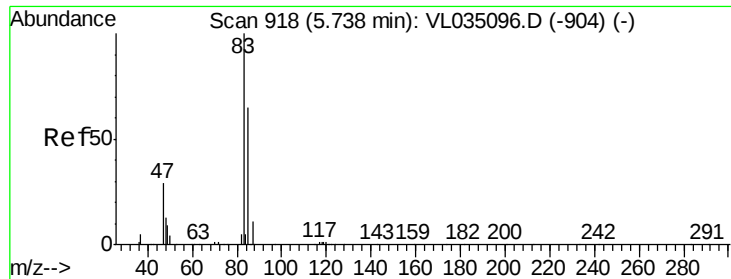
Tot Ion: 57 Resp: 319255
Ion Ratio Lower Upper
57 100
41 169.6 72.9 109.3#
43 0.0 181.3 271.9#
56 79.0 43.1 64.7#



#28
Methyl tert-Butyl Ether
Concen: 0.183 ppbv
RT: 5.17 min Scan# 740
Delta R.T. 0.16 min
Lab File: VL035129.D
Acq: 30 Jun 2020 17:39

Tgt Ion: 73 Resp: 32216
Ion Ratio Lower Upper
73 100
57 2022.9 18.5 27.7#





#29

Chloroform

Concen: 0.033 ppbv

RT: 5.76 min Scan# 926

Delta R.T. 0.03 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

Instrument :

MSVOA_L

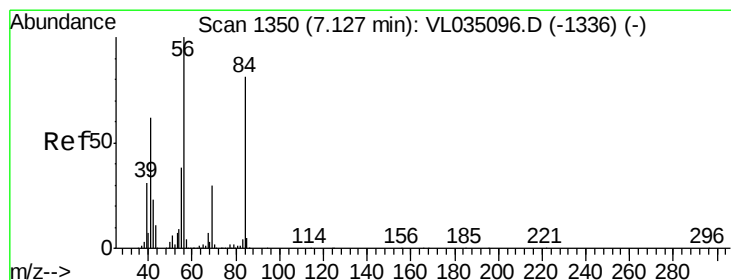
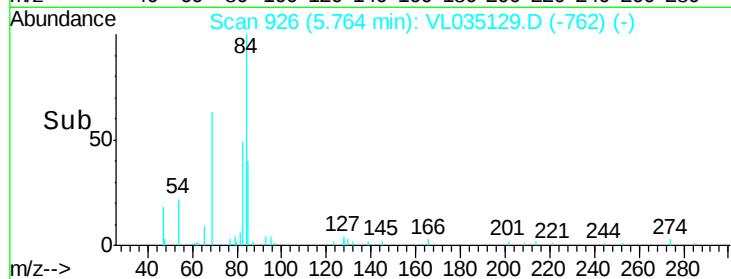
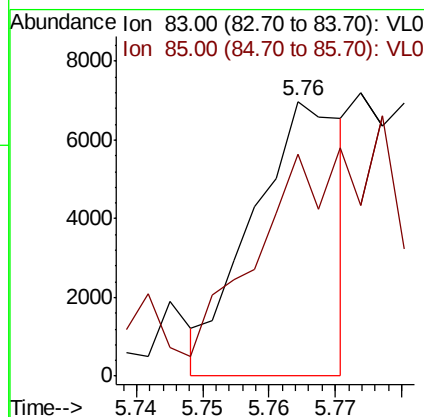
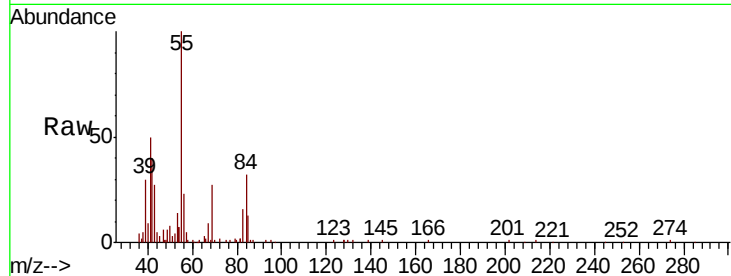
ClientSampled :

Tot Ion: 83 Resp: 6511

Ion Ratio Lower Upper

83 100

85 89.3 52.1 78.1#



#30

Cyclohexane

Concen: 0.117 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. 0.07 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

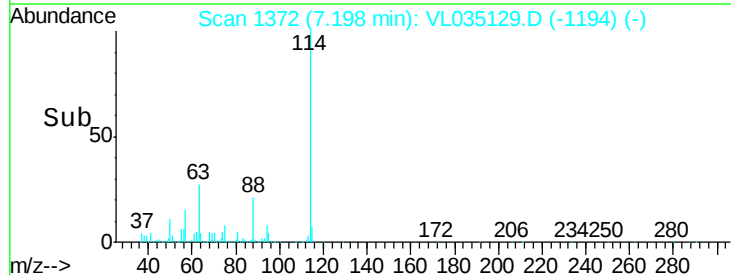
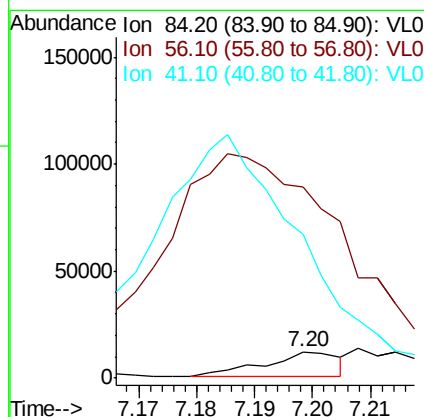
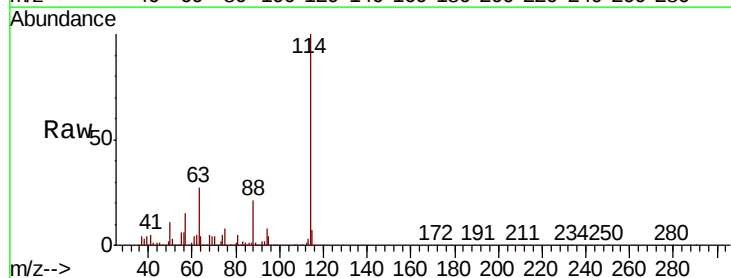
Tgt Ion: 84 Resp: 10506

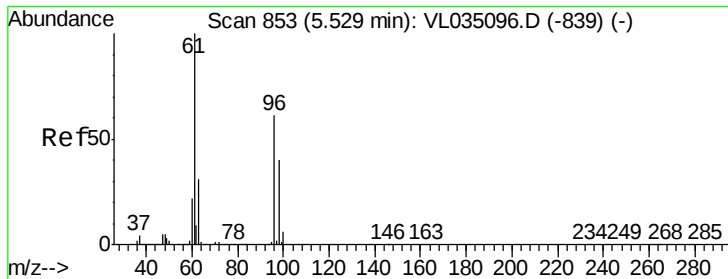
Ion Ratio Lower Upper

84 100

56 2240.6 108.0 162.0#

41 1989.5 65.6 98.4#



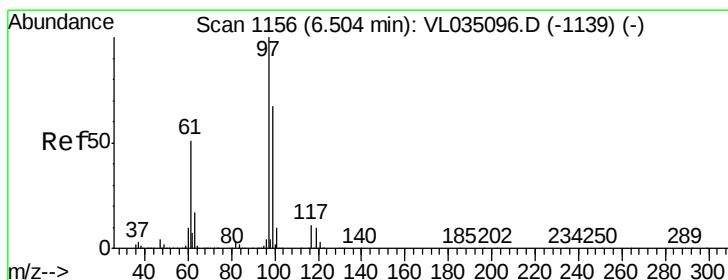
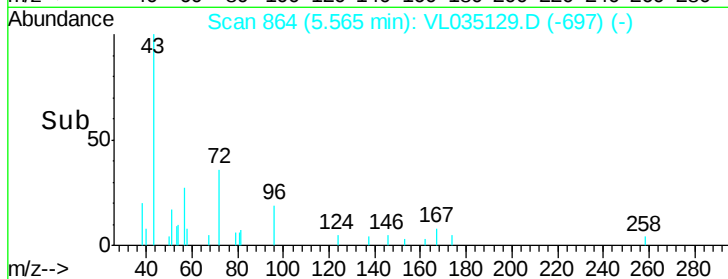
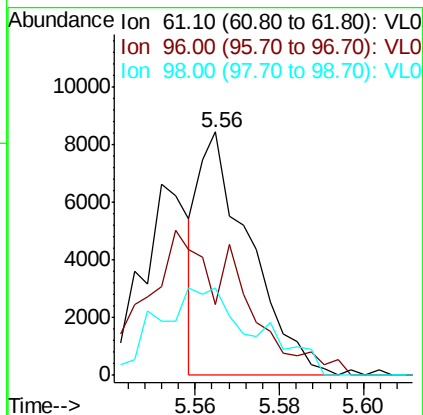
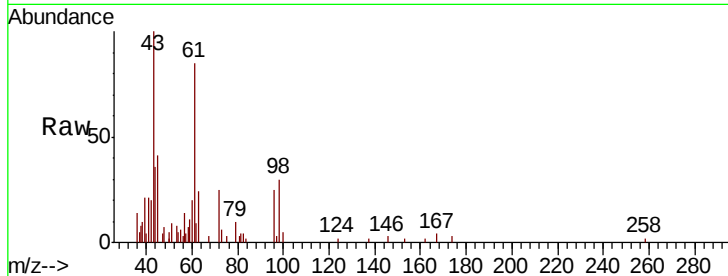


#31

cis-1,2-Dichloroethene
 Concen: 0.061 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. 0.04 min
 Lab File: VL035129.D
 Acq: 30 Jun 2020 17:39

Instrument :
 MSVOA_L
 ClientSampleId :

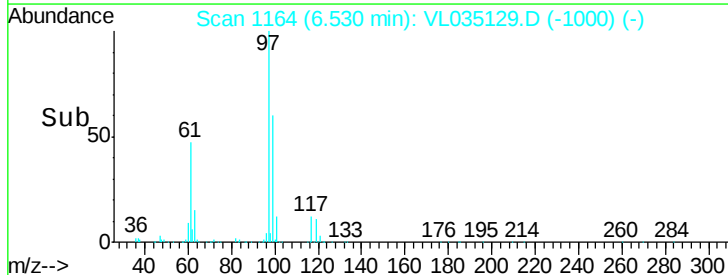
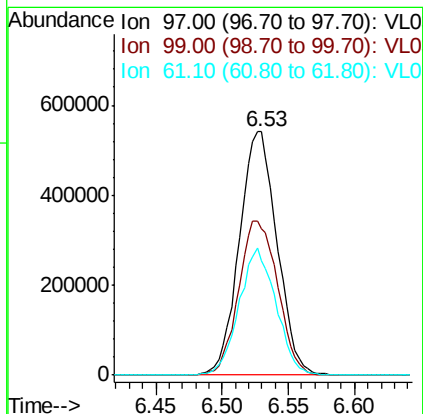
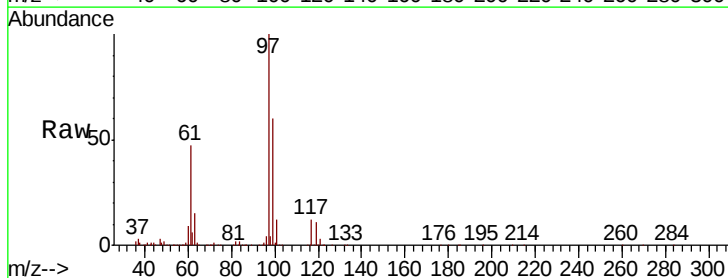
Tot Ion	Ratio	Lower	Upper
61	100		
96	20.2	48.8	73.2#
98	32.3	31.9	47.9

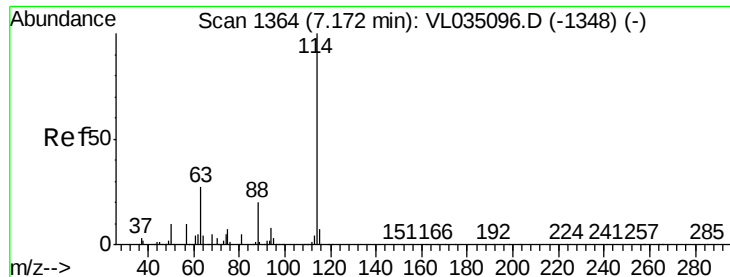


#32

1,1,1-Trichloroethane
 Concen: 5.900 ppbv
 RT: 6.53 min Scan# 1164
 Delta R.T. 0.03 min
 Lab File: VL035129.D
 Acq: 30 Jun 2020 17:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.0	78.0
61	51.1	41.0	61.6

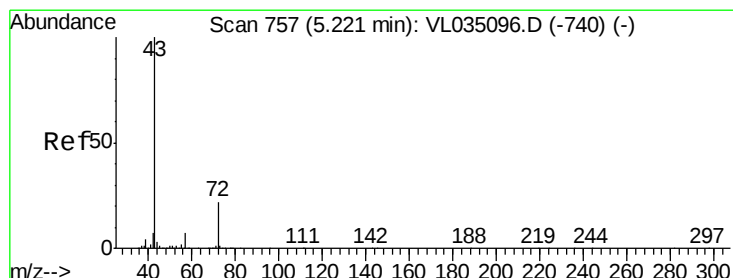
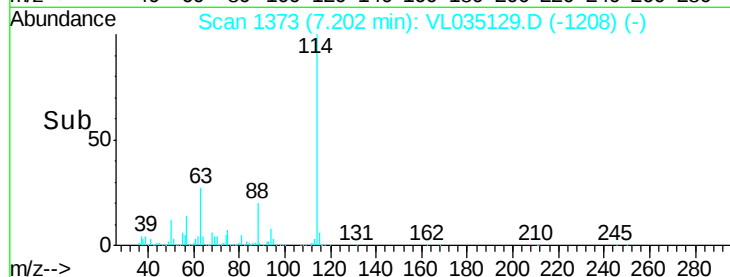
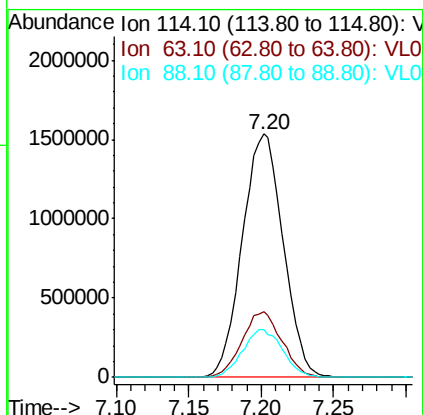
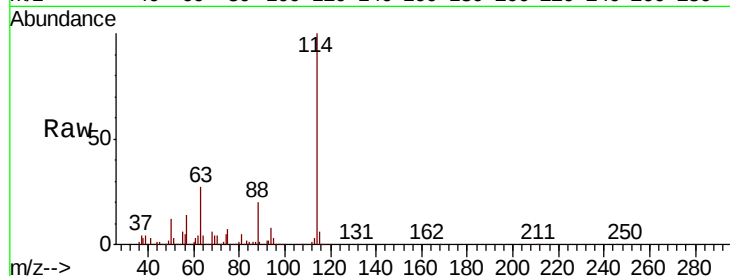




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1373
 Delta R.T. 0.03 min
 Lab File: VL035129.D
 Acq: 30 Jun 2020 17:39

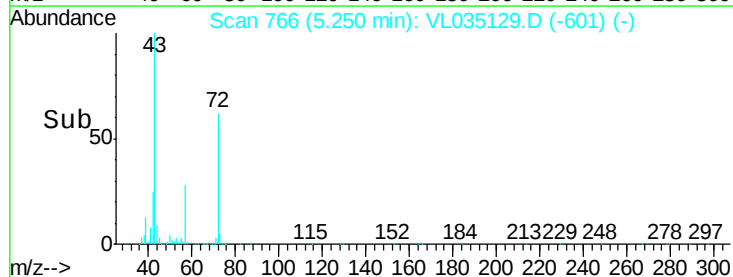
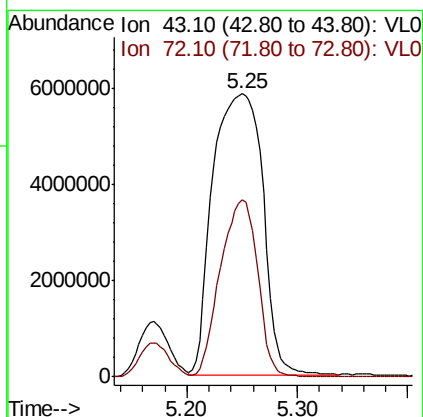
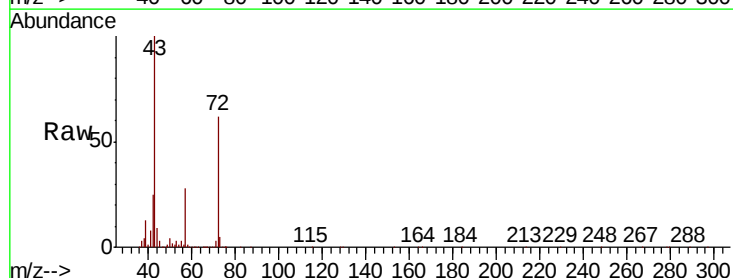
Instrument :
 MSVOA_L
 ClientSampleId :

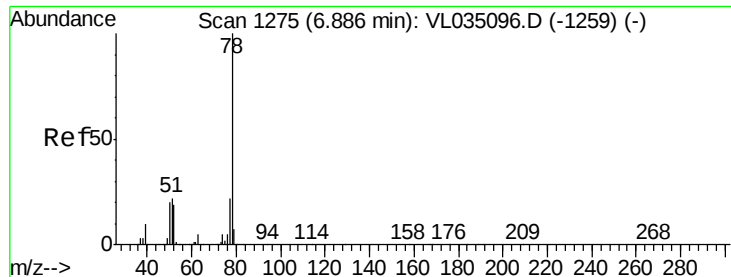
Tot Ion:114 Resp: 3013235
 Ion Ratio Lower Upper
 114 100
 63 26.3 21.9 32.9
 88 19.4 15.6 23.4



#34
 2-Butanone
 Concen: 106.263 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.03 min
 Lab File: VL035129.D
 Acq: 30 Jun 2020 17:39

Tgt Ion: 43 Resp:18388010
 Ion Ratio Lower Upper
 43 100
 72 47.1 18.3 27.5#

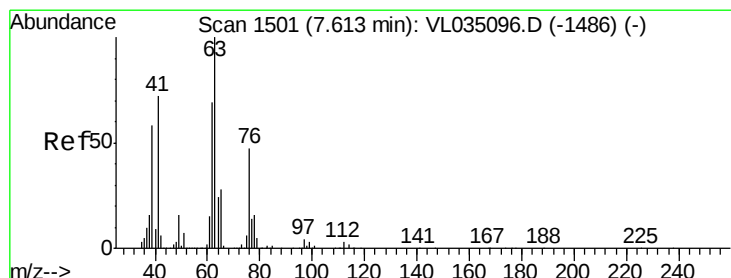
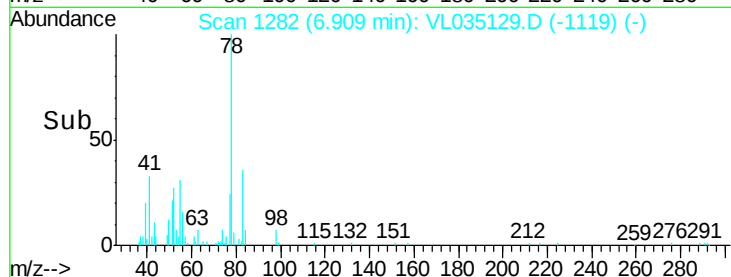
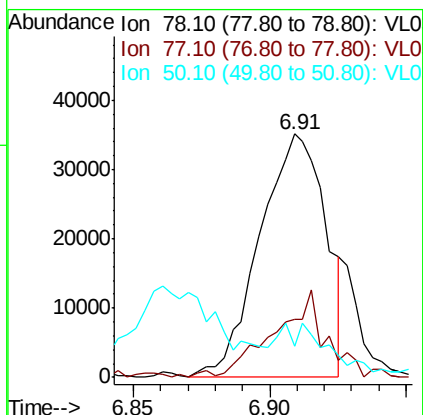
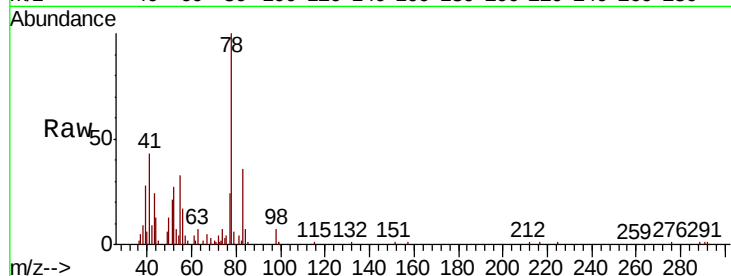




#36
Benzene
Concen: 0.252 ppbv
RT: 6.91 min Scan# 1282
Delta R.T. 0.02 min
Lab File: VL035129.D
Acq: 30 Jun 2020 17:39

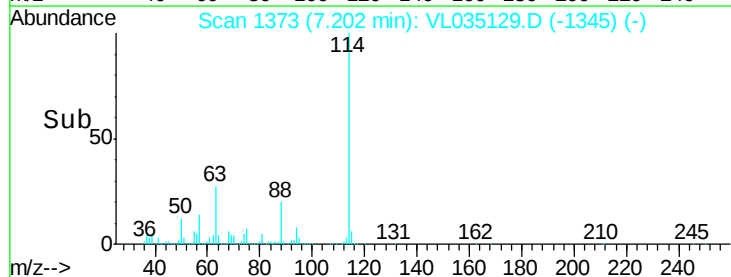
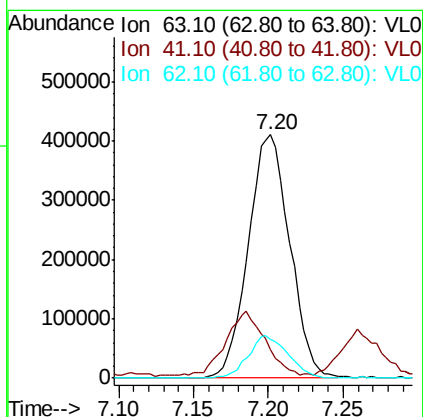
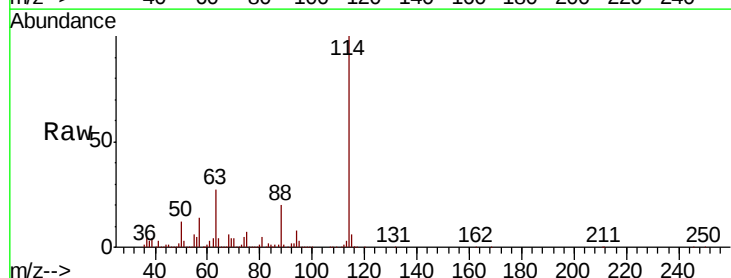
Instrument :
MSVOA_L
ClientSampleId :

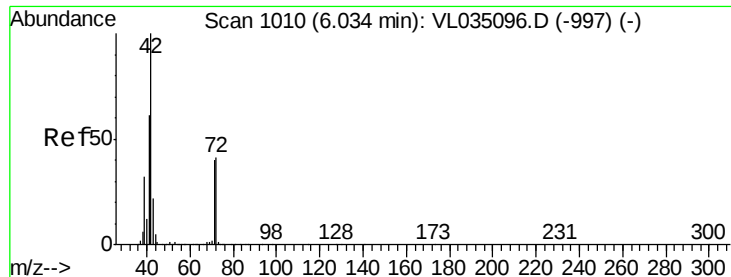
Tot Ion: 78 Resp: 58891
Ion Ratio Lower Upper
78 100
77 23.7 17.8 26.6
50 3.7 16.2 24.2#



#39
1,2-Dichloropropane
Concen: 8.669 ppbv
RT: 7.20 min Scan# 1373
Delta R.T. -0.41 min
Lab File: VL035129.D
Acq: 30 Jun 2020 17:39

Tgt Ion: 63 Resp: 791126
Ion Ratio Lower Upper
63 100
41 10.4 58.0 87.0#
62 16.1 55.4 83.0#





#41

Tetrahydrofuran

Concen: 0.052 ppbv

RT: 6.06 min Scan# 1017

Delta R.T. 0.02 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

Instrument :

MSVOA_L

ClientSampled :

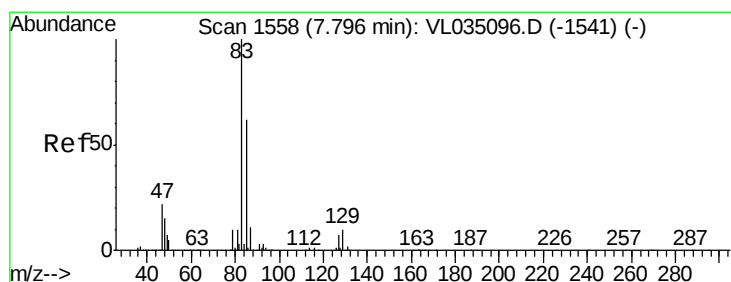
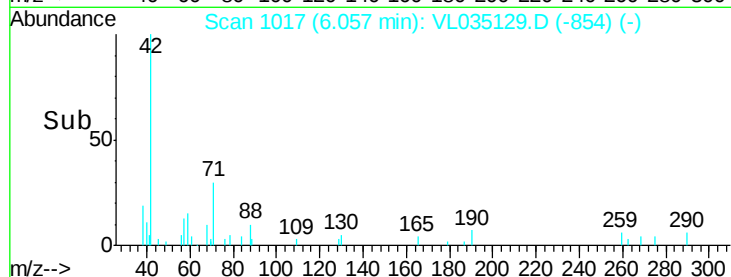
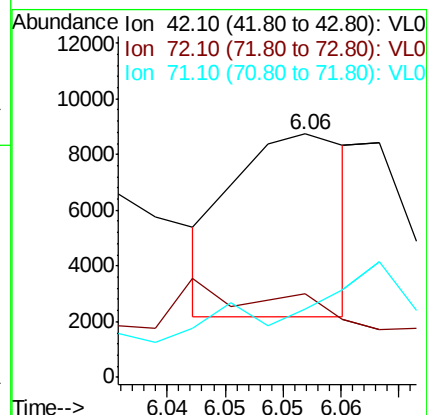
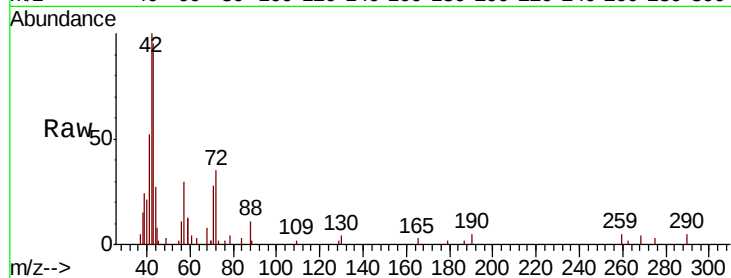
Tot Ion: 42 Resp: 4558

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.2#

71 0.0 31.8 47.6#



#42

Bromodichloromethane

Concen: 0.130 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. 0.03 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

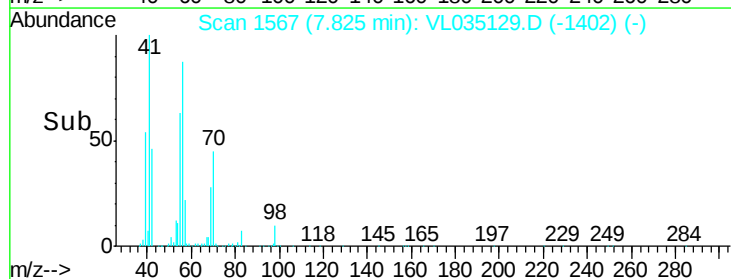
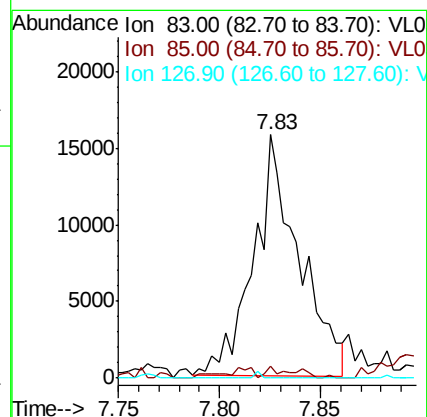
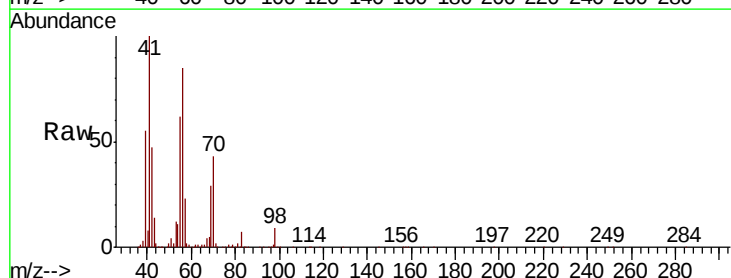
Tgt Ion: 83 Resp: 24891

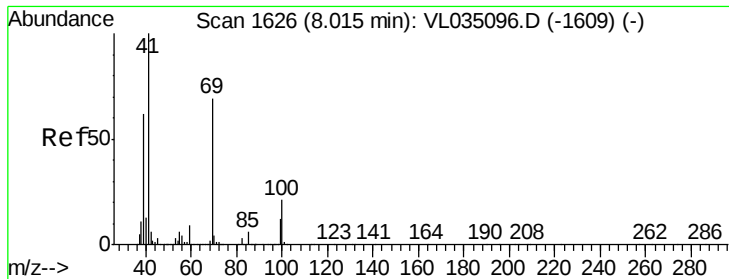
Ion Ratio Lower Upper

83 100

85 4.8 49.4 74.0#

127 0.0 5.9 8.9#

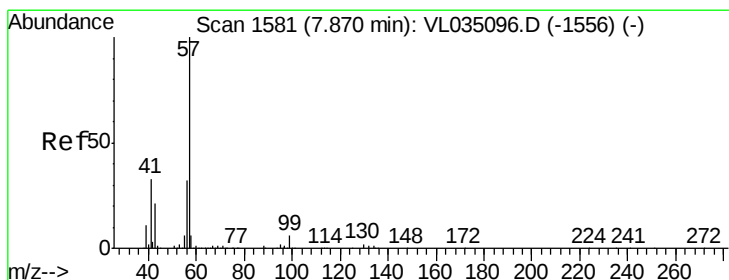
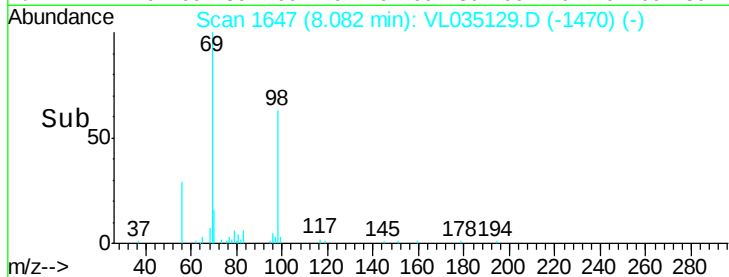
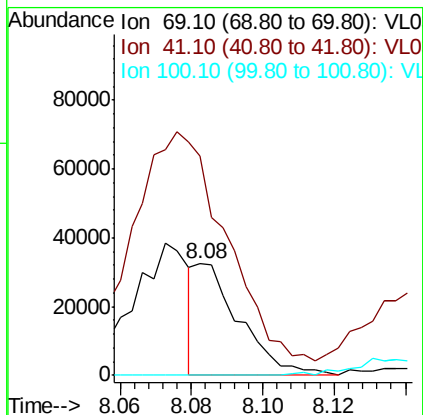
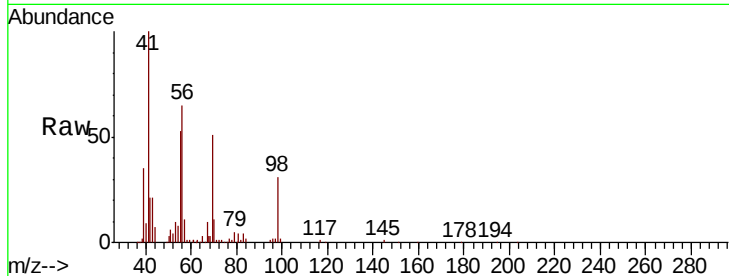




#43
Methvl Methacrylate
Concen: 0.275 ppbv
RT: 8.08 min Scan# 1647
Delta R.T. 0.07 min
Lab File: VL035129.D
Acq: 30 Jun 2020 17:39

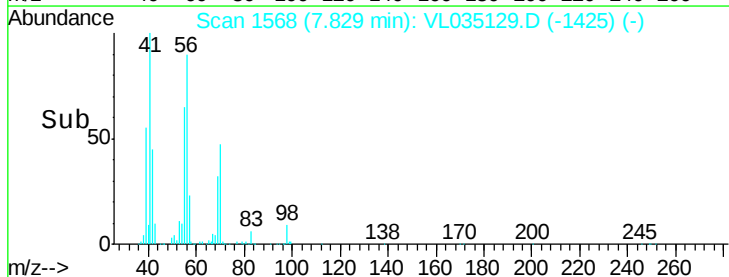
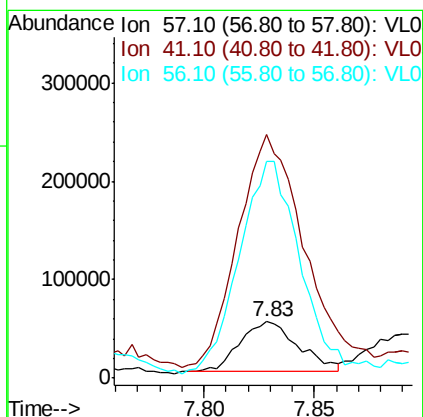
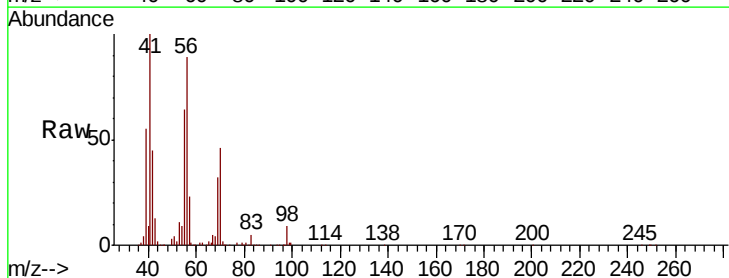
Instrument :
MSVOA_L
ClientSampleId :

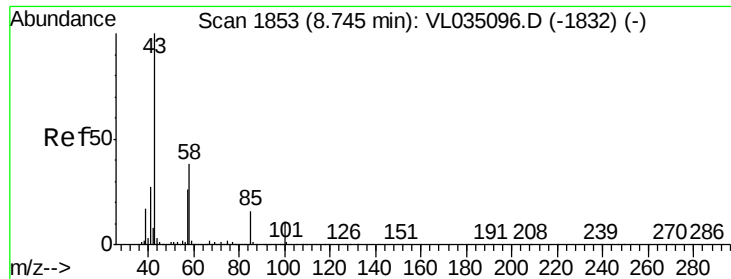
Tot Ion: 69 Resp: 27202
Ion Ratio Lower Upper
69 100
41 149.4 116.4 174.6
100 34.8 25.3 37.9



#44
2,2,4-Trimethylpentane
Concen: 0.229 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. -0.04 min
Lab File: VL035129.D
Acq: 30 Jun 2020 17:39

Tgt Ion: 57 Resp: 93367
Ion Ratio Lower Upper
57 100
41 631.1 26.2 39.2#
56 503.2 25.4 38.2#

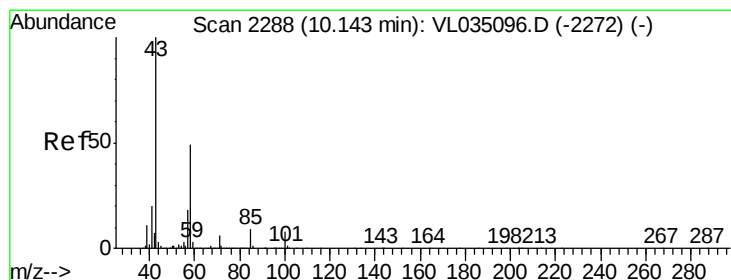
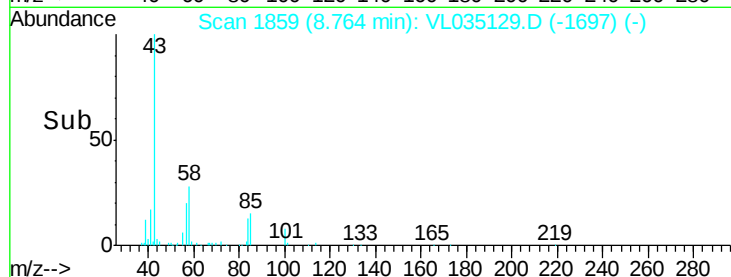
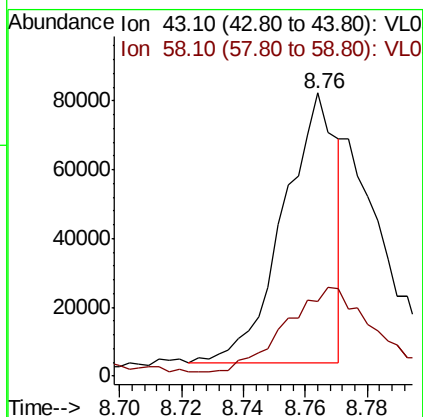
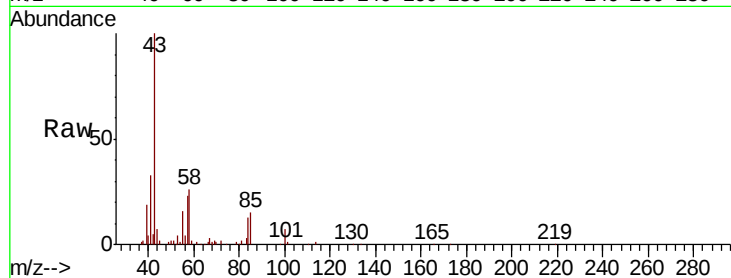




#50
4-Methyl-2-Pentanone
Concen: 0.379 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. 0.02 min
Lab File: VL035129.D
Acq: 30 Jun 2020 17:39

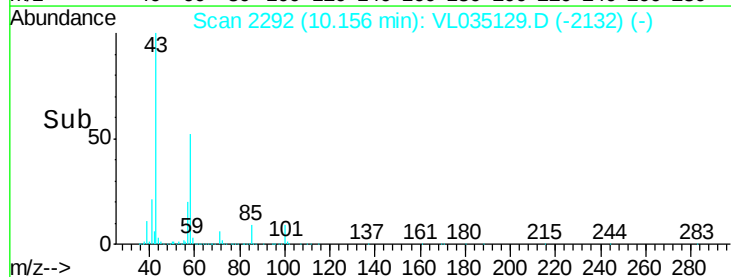
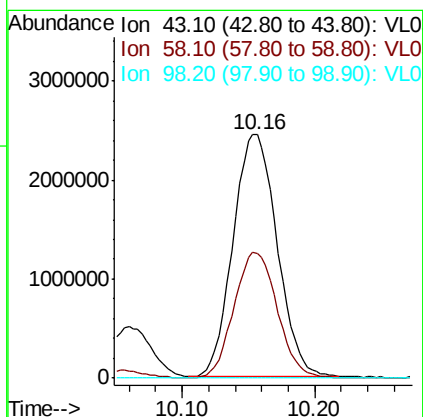
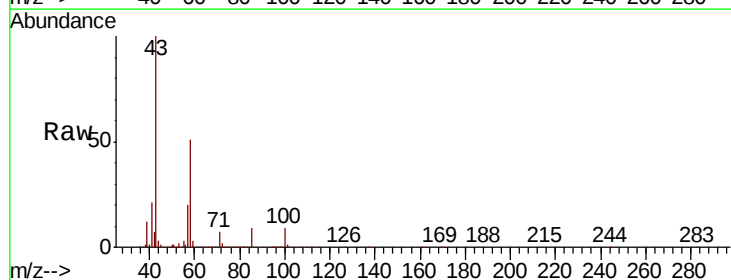
Instrument :
MSVOA_L
ClientSampleId :

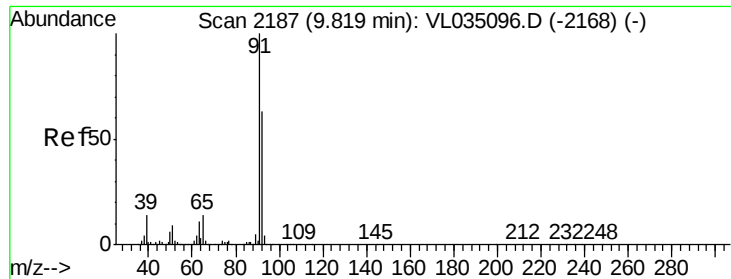
Tot Ion: 43 Resp: 93088
Ion Ratio Lower Upper
43 100
58 57.7 29.4 44.0#



#51
2-Hexanone
Concen: 29.197 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VL035129.D
Acq: 30 Jun 2020 17:39

Tgt Ion: 43 Resp: 5621690
Ion Ratio Lower Upper
43 100
58 51.4 39.2 58.8
98 0.1 0.3 0.5#





#53

Toluene

Concen: 0.353 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. 0.02 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

Instrument :

MSVOA_L

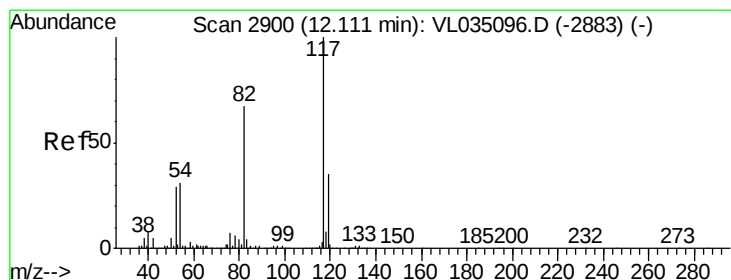
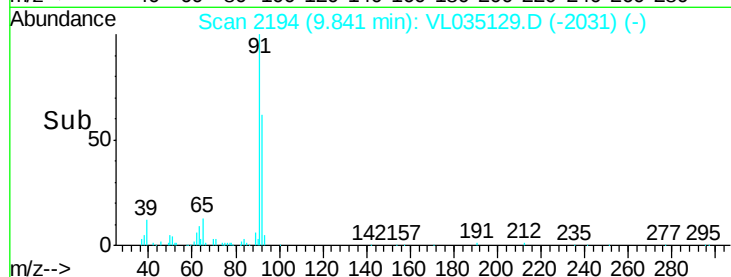
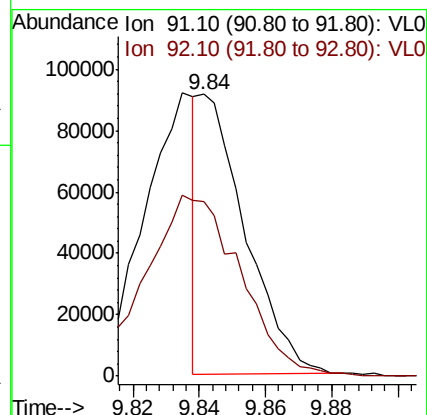
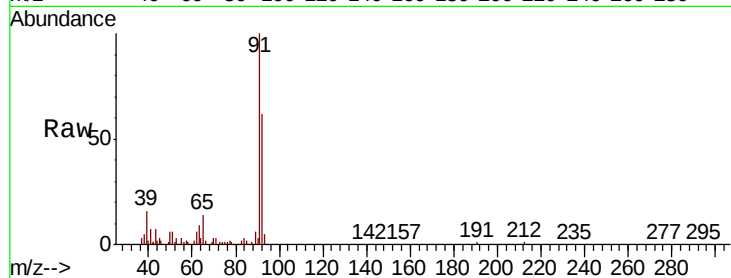
ClientSampled :

Tot Ion: 91 Resp: 87769

Ion Ratio Lower Upper

91 100

92 0.0 49.0 73.6#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. 0.02 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

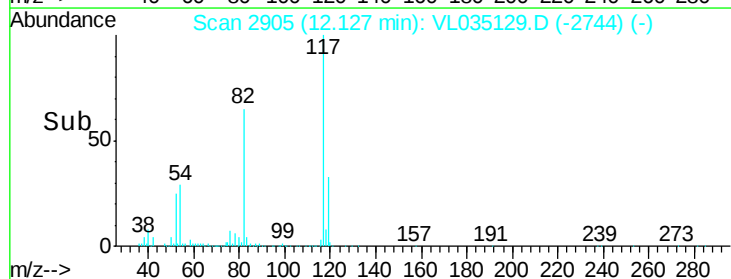
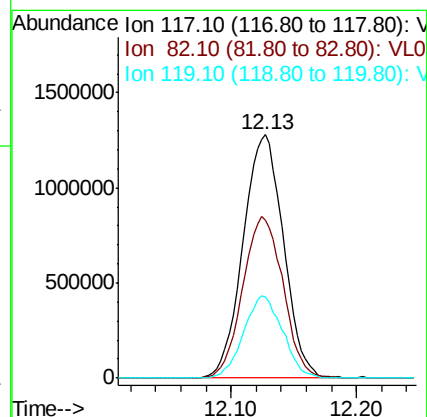
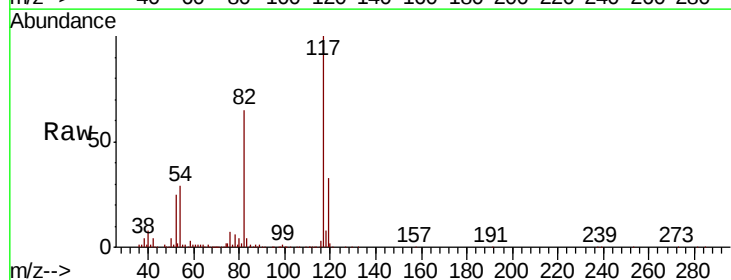
Tgt Ion: 117 Resp: 2856377

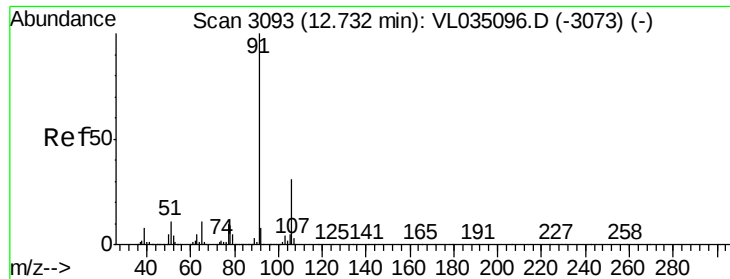
Ion Ratio Lower Upper

117 100

82 66.4 50.4 75.6

119 32.9 25.4 38.0





#58

Ethyl Benzene

Concen: 0.101 ppbv

RT: 12.75 min Scan# 3098

Delta R.T. 0.02 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

Instrument :

MSVOA_L

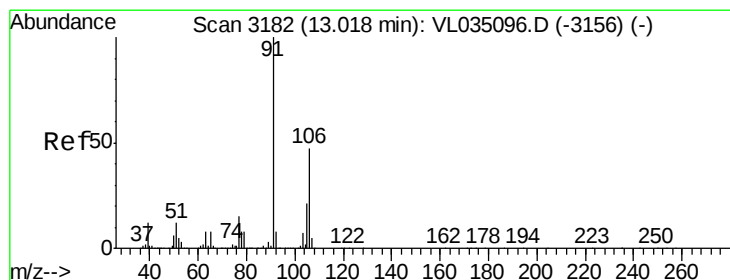
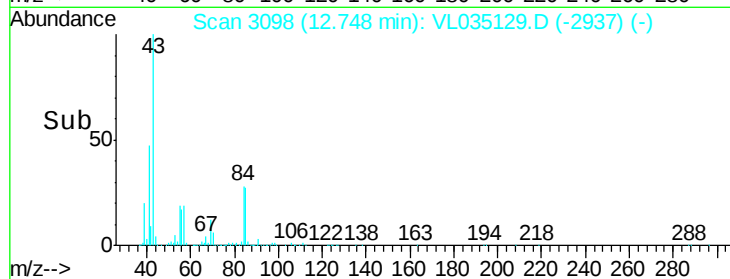
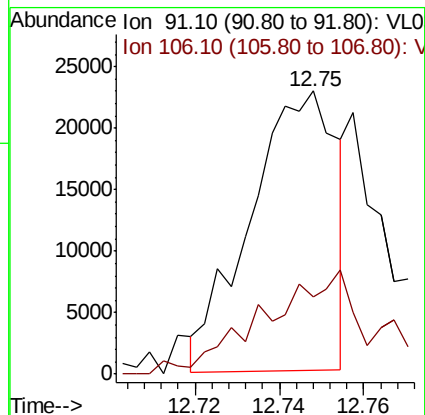
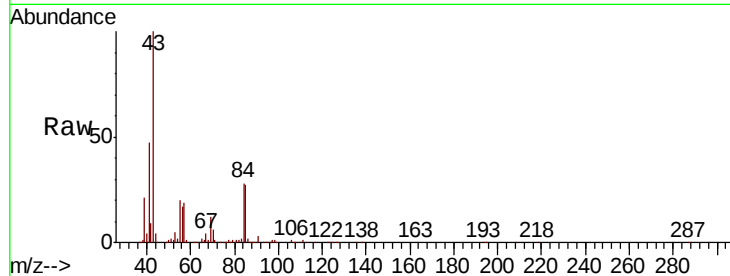
ClientSampleId :

Tot Ion: 91 Resp: 32306

Ion Ratio Lower Upper

91 100

106 29.6 25.0 37.6



#59

m/p-Xylene

Concen: 0.064 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. 0.02 min

Lab File: VL035129.D

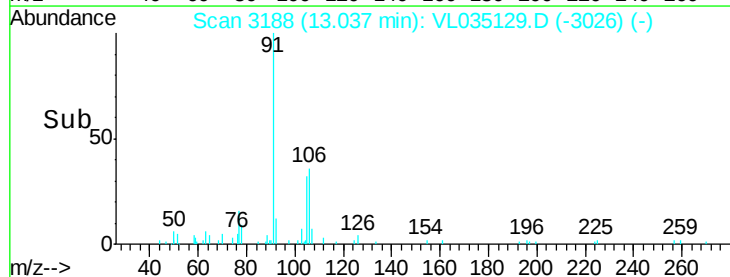
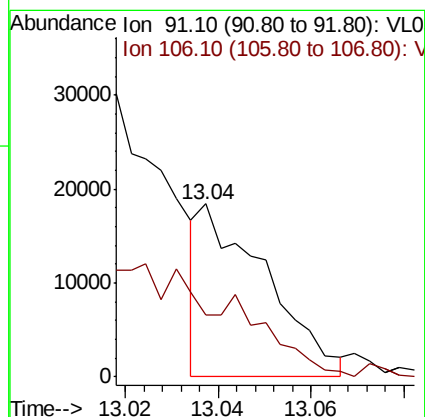
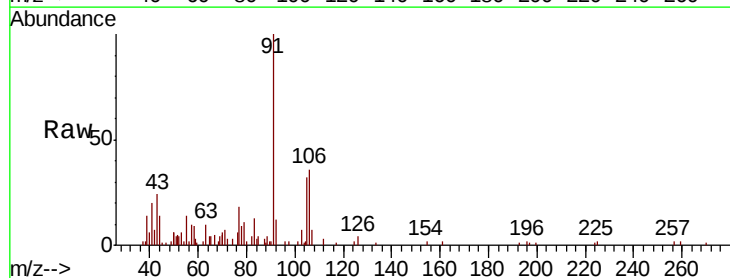
Acq: 30 Jun 2020 17:39

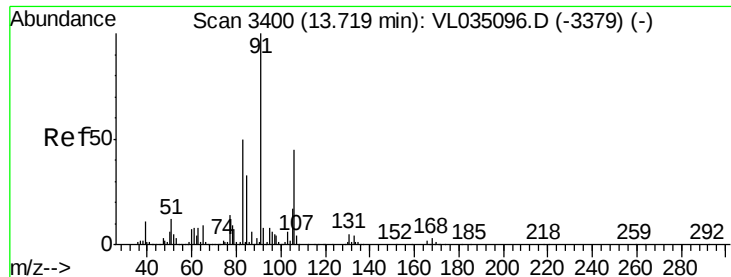
Tgt Ion: 91 Resp: 18280

Ion Ratio Lower Upper

91 100

106 0.0 36.5 54.7#

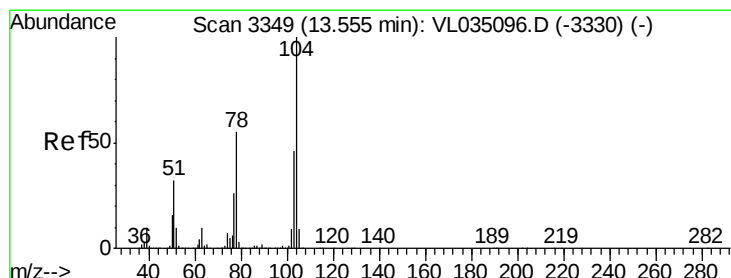
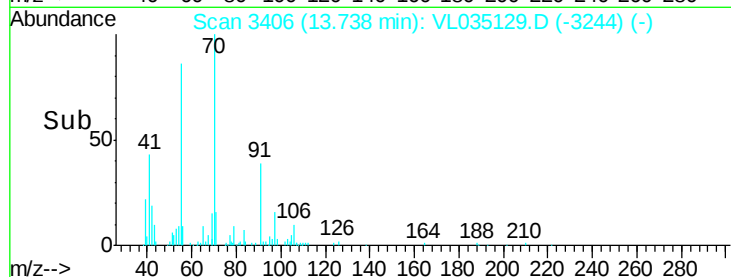
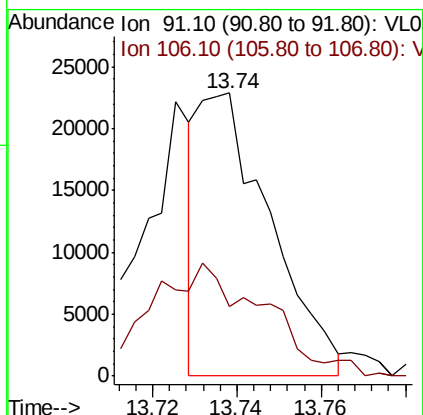
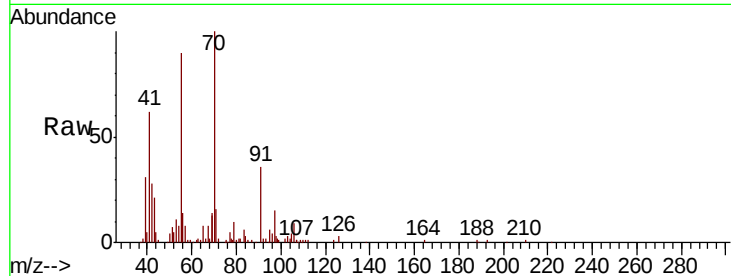




#60
o-Xylene
Concen: 0.094 ppbv
RT: 13.74 min Scan# 3406
Delta R.T. 0.02 min
Lab File: VL035129.D
Acq: 30 Jun 2020 17:39

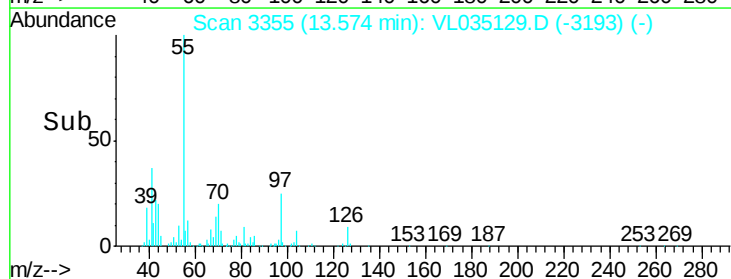
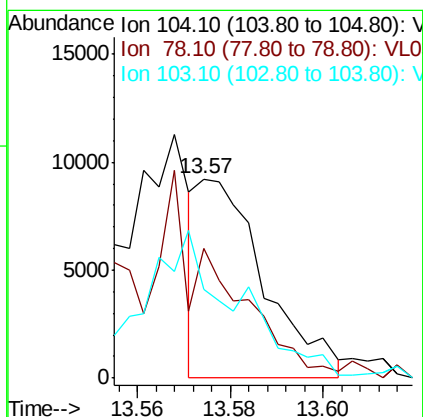
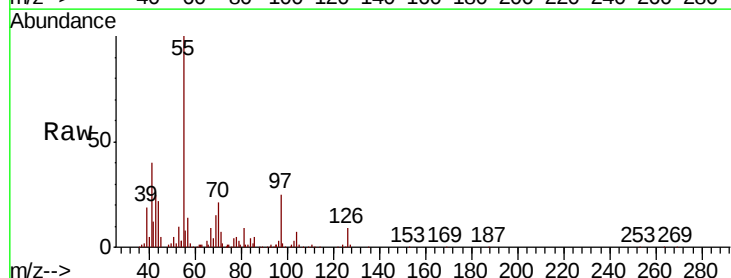
Instrument :
MSVOA_L
ClientSampled :

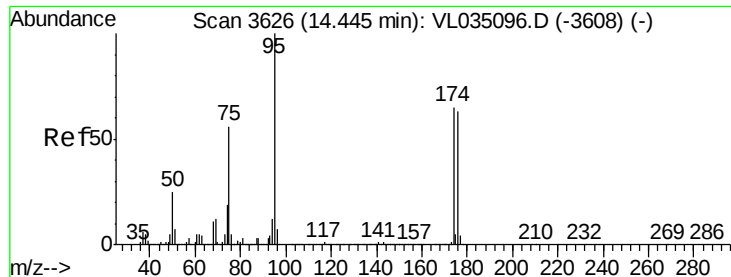
Tot Ion: 91 Resp: 26691
Ion Ratio Lower Upper
91 100
106 69.1 22.1 66.5#



#61
Styrene
Concen: 0.051 ppbv
RT: 13.57 min Scan# 3355
Delta R.T. 0.02 min
Lab File: VL035129.D
Acq: 30 Jun 2020 17:39

Tgt Ion: 104 Resp: 9140
Ion Ratio Lower Upper
104 100
78 0.0 43.4 65.0#
103 128.3 38.3 57.5#

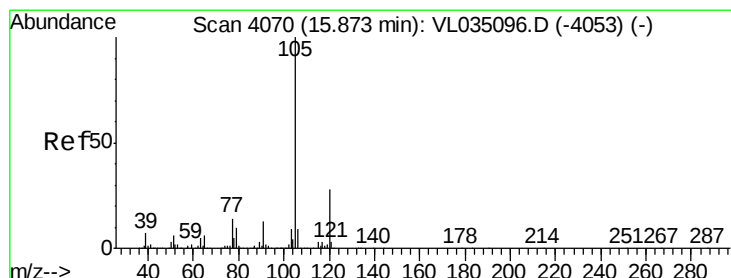
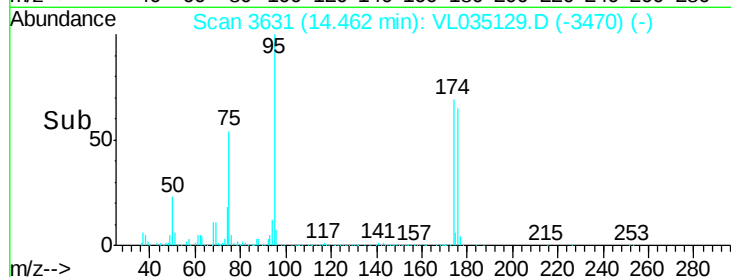
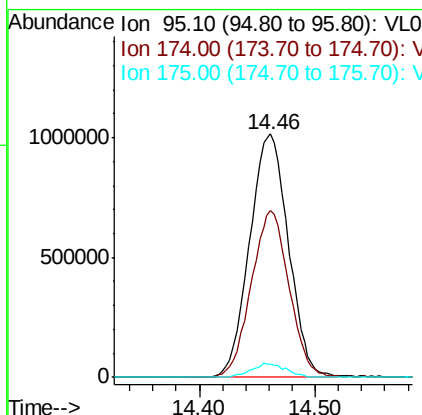
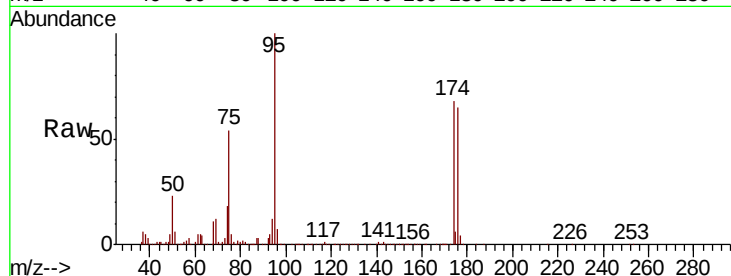




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.950 ppbv
 RT: 14.46 min Scan# 3631
 Delta R.T. 0.02 min
 Lab File: VL035129.D
 Acq: 30 Jun 2020 17:39

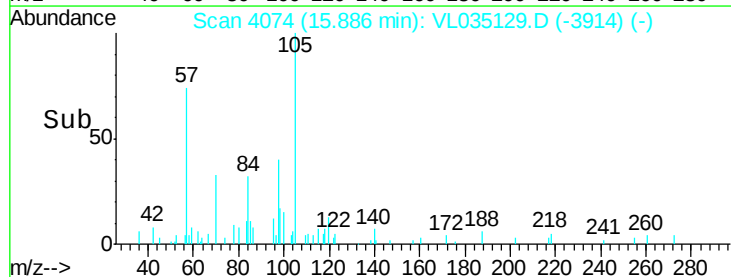
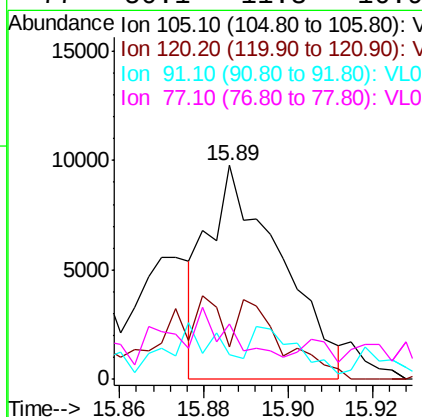
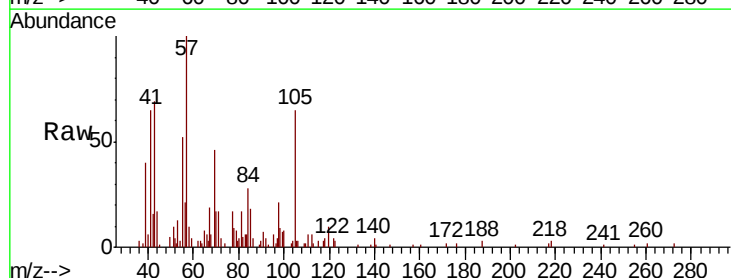
Instrument :
 MSVOA_L
 ClientSampleId :

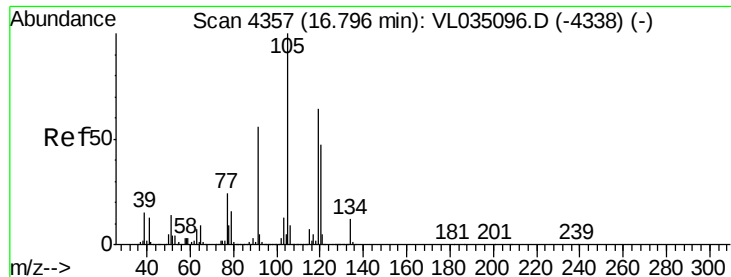
Tot Ion: 95 Resp: 2360906
 Ion Ratio Lower Upper
 95 100
 174 67.0 52.2 78.2
 175 5.1 4.0 6.0



#72
 4-Ethyltoluene
 Concen: 0.037 ppbv
 RT: 15.89 min Scan# 4074
 Delta R.T. 0.01 min
 Lab File: VL035129.D
 Acq: 30 Jun 2020 17:39

Tgt Ion: 105 Resp: 11694
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.4 35.0#
 91 0.0 10.6 16.0#
 77 50.1 11.3 16.9#





#74

1,2,4-Trimethylbenzene

Concen: 0.068 ppbv

RT: 16.82 min Scan# 4363

Delta R.T. 0.02 min

Lab File: VL035129.D

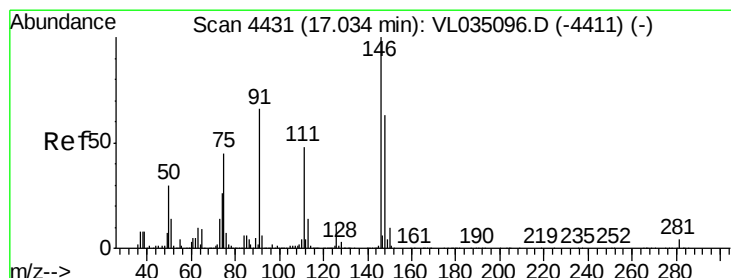
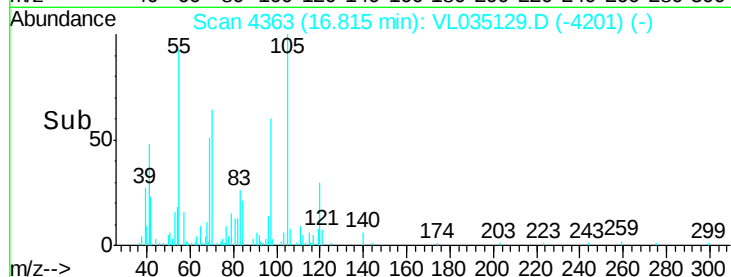
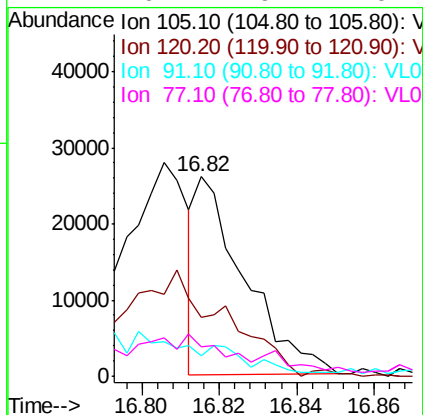
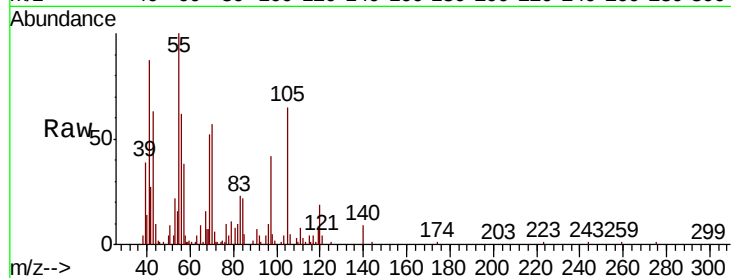
Acq: 30 Jun 2020 17:39

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105	Resp:	22667
Ion Ratio	Lower	Upper
105	100	
120	28.6	37.9 56.9#
91	7.4	46.0 69.0#
77	10.1	19.4 29.2#



#75

1,3-Dichlorobenzene

Concen: 0.144 ppbv

RT: 17.05 min Scan# 4436

Delta R.T. 0.02 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

Tgt Ion:146	Resp:	28541
Ion Ratio	Lower	Upper
146	100	
111	175.6	24.1 72.4#
148	153.0	32.3 96.8#

