

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034958.D
 Acq On : 7 May 2020 6:47
 Operator : SY/AP
 Sample : L2507-03DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 07 08:14:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1099373	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.20	114	2448231	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2412074	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2006985	10.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	37519	0.240	ppbv 95
3) Chlorodifluoromethane	2.95	51	17873	0.142	ppbv 97
4) Chloromethane	3.11	50	8541	0.119	ppbv # 88
9) Propene	2.98	41	330318	6.065	ppbv # 80
10) Heptane	8.14	43	252404	1.850	ppbv 98
11) Trichlorofluoromethane	3.93	101	17641	0.110	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	4051	0.035	ppbv # 48
13) Ethanol	3.58	45	85776	4.773	ppbv 96
15) Acetone	3.82	43	13253404	91.188	ppbv # 52
16) 1,3-Butadiene	3.28	39	1245804	19.918	ppbv # 15
17) tert-Butyl alcohol	4.28	59	249430	1.929	ppbv 99
19) Isopropyl Alcohol	3.95	45	177194	1.828	ppbv # 94
20) Methylene Chloride	4.33	84	10704	0.222	ppbv 94
21) Allyl Chloride	4.35	41	4842	0.059	ppbv # 1
23) Vinyl Acetate	5.06	43	65132	0.353	ppbv # 87
25) Ethyl Acetate	5.68	43	154964	0.635	ppbv # 84
26) Hexane	5.68	57	189755	1.793	ppbv # 27
27) Carbon Disulfide	4.54	76	47363	0.380	ppbv # 94
28) Methyl tert-Butyl Ether	5.03	73	4090	0.025	ppbv # 53
29) Chloroform	5.76	83	103800	0.599	ppbv 92
30) Cyclohexane	7.15	84	4346	0.053	ppbv # 1
34) 2-Butanone	5.24	43	2933375	19.278	ppbv 99
36) Benzene	6.91	78	101872	0.505	ppbv # 89
39) 1,2-Dichloropropane	7.19	63	684499	8.459	ppbv # 24
43) Methyl Methacrylate	8.08	69	79185	0.929	ppbv # 62
44) 2,2,4-Trimethylpentane	7.89	57	1103900	3.076	ppbv 98
50) 4-Methyl-2-Pentanone	8.76	43	17411	0.080	ppbv # 12
51) 2-Hexanone	10.15	43	1158396	6.826	ppbv # 98
52) Tetrachloroethene	11.28	164	2971	0.041	ppbv # 39
53) Toluene	9.83	91	974180	4.553	ppbv 99
58) Ethyl Benzene	12.75	91	450668	1.511	ppbv 98
59) m/p-Xylene	13.01	91	1601185	6.101	ppbv # 59
60) o-Xylene	13.73	91	681463	2.632	ppbv 99
61) Styrene	13.57	104	4202	0.026	ppbv # 1
62) Isopropylbenzene	14.72	105	33282	0.086	ppbv # 49
64) n-propylbenzene	15.58	120	2114	0.021	ppbv 77
65) tert-Butylbenzene	16.82	119	102859	0.307	ppbv # 70
66) Benzyl Chloride	17.04	91	2776	0.024	ppbv # 1
67) sec-Butylbenzene	17.35	105	15549	0.032	ppbv # 42
69) p-Isopropyltoluene	17.72	119	45819	0.118	ppbv # 19
71) 2-Chlorotoluene	15.37	91	36269	0.124	ppbv 67

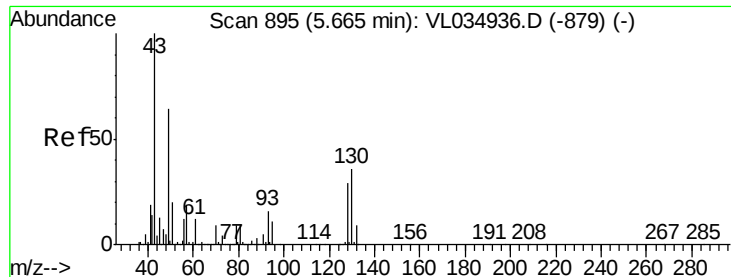
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
Data File : VL034958.D
Acq On : 7 May 2020 6:47
Operator : SY/AP
Sample : L2507-03DL2 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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Quant Time: May 07 08:14:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Ethyltoluene	15.89	105	271034	0.938	ppbv #	89
73) 1,3,5-Trimethylbenzene	16.05	105	122498	0.436	ppbv	87
74) 1,2,4-Trimethylbenzene	16.82	105	424804	1.384	ppbv #	75
79) Naphthalene	22.28	128	7516	0.031	ppbv #	76
80) Naphthalene,2-methyl-	25.05	142	3473	0.059	ppbv #	1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.01 min

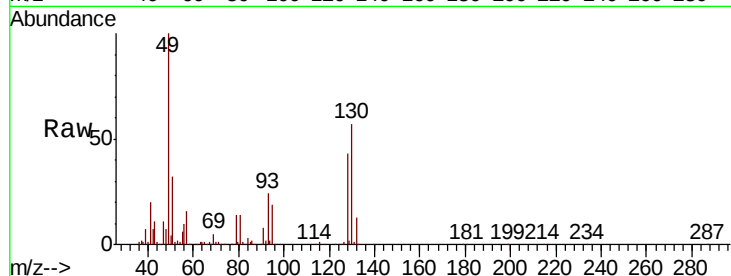
Lab File: VL034958.D

Acq: 7 May 2020 6:47

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1099373

Ion	Ratio	Lower	Upper
49	100		
128	44.1	22.1	66.5
130	56.3	29.1	87.3



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

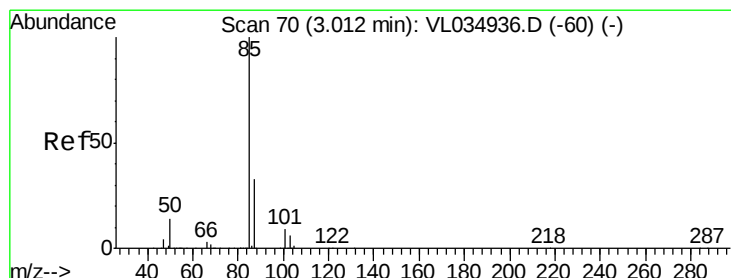
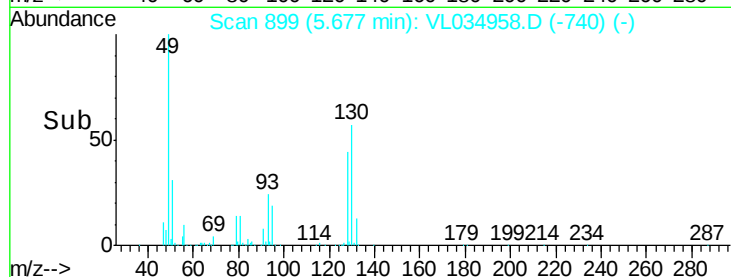
600000

400000

200000

0

Time--> 5.60 5.65 5.70 5.75



#2

Dichlorodifluoromethane

Concen: 0.240 ppbv

RT: 3.02 min Scan# 71

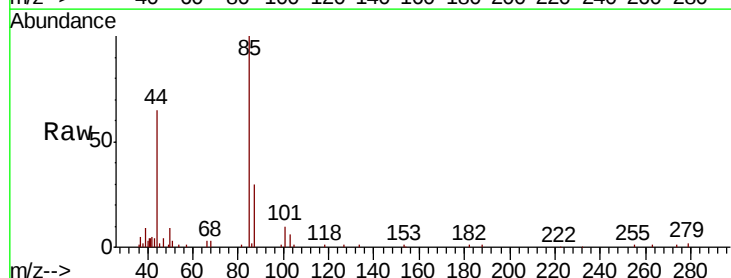
Delta R.T. 0.00 min

Lab File: VL034958.D

Acq: 7 May 2020 6:47

Tgt Ion: 85 Resp: 37519

Ion	Ratio	Lower	Upper
85	100		
87	29.7	26.2	39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.02

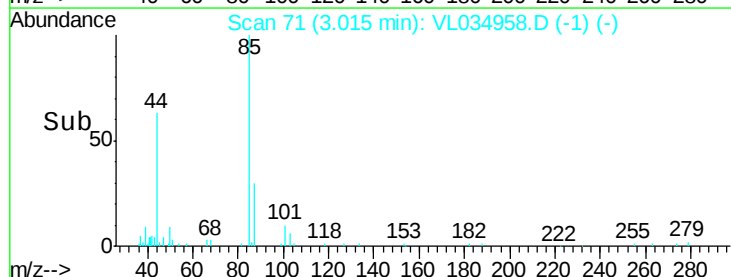
30000

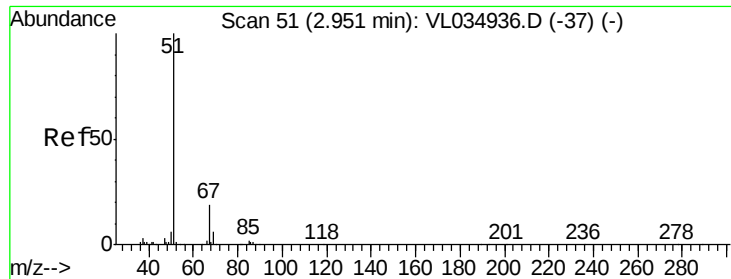
20000

10000

0

Time--> 3.00 3.05





#3

Chlorodifluoromethane

Concen: 0.142 ppbv

RT: 2.95 min Scan# 52

Delta R.T. 0.00 min

Lab File: VL034958.D

Acq: 7 May 2020 6:47

Instrument :

MSVOA_L

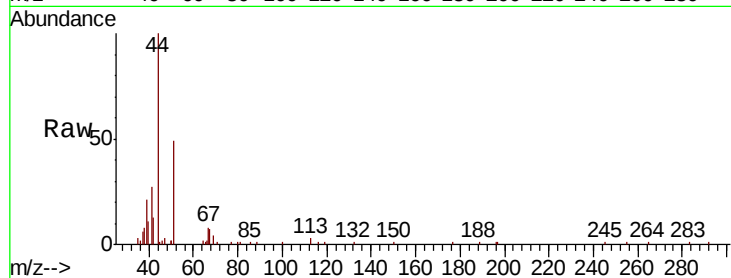
ClientSampleId :

Tot Ion: 51 Resp: 17873

Ion Ratio Lower Upper

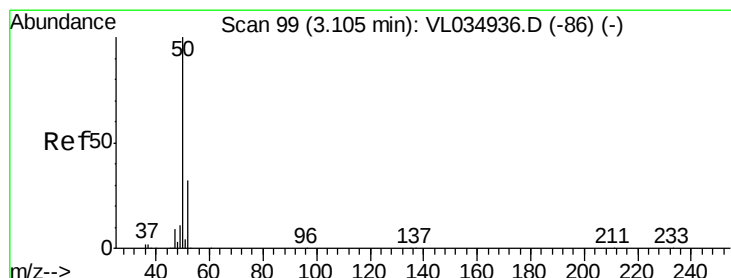
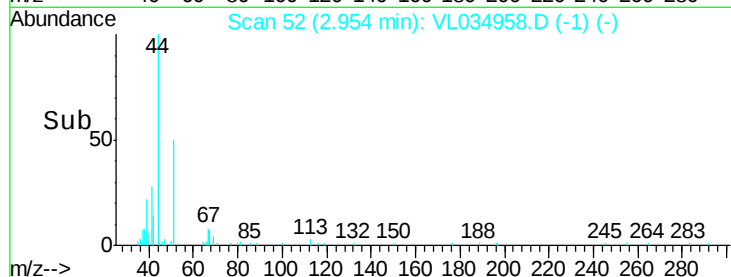
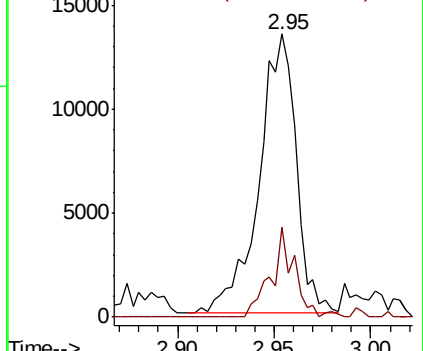
51 100

67 20.3 15.0 22.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.119 ppbv

RT: 3.11 min Scan# 100

Delta R.T. 0.00 min

Lab File: VL034958.D

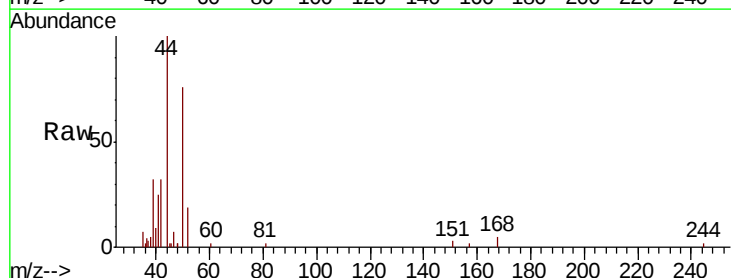
Acq: 7 May 2020 6:47

Tgt Ion: 50 Resp: 8541

Ion Ratio Lower Upper

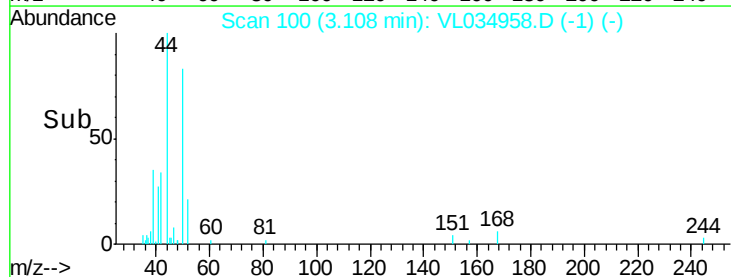
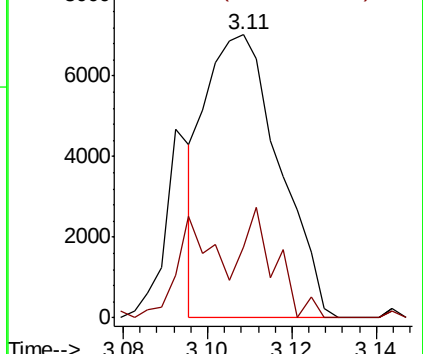
50 100

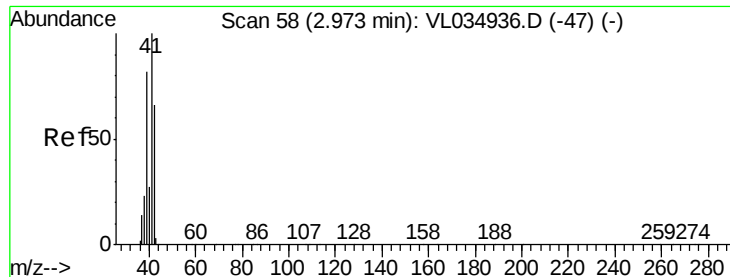
52 24.9 25.4 38.2#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 6.065 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.01 min

Lab File: VL034958.D

Acq: 7 May 2020 6:47

Instrument :

MSVOA_L

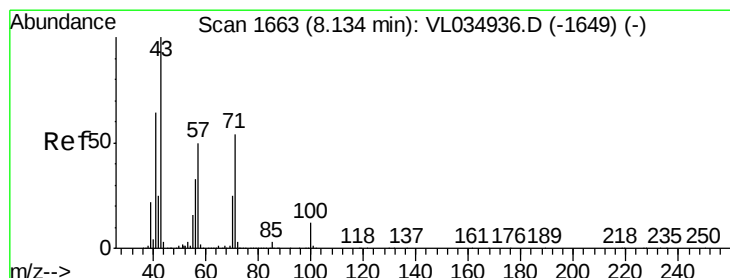
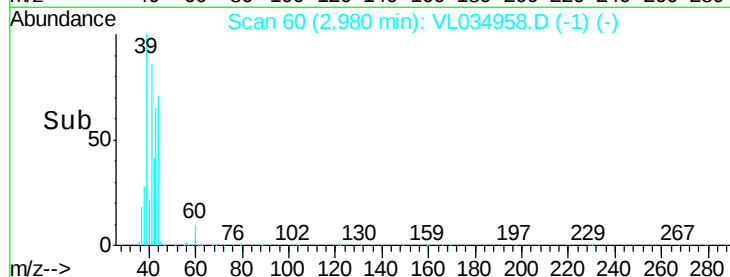
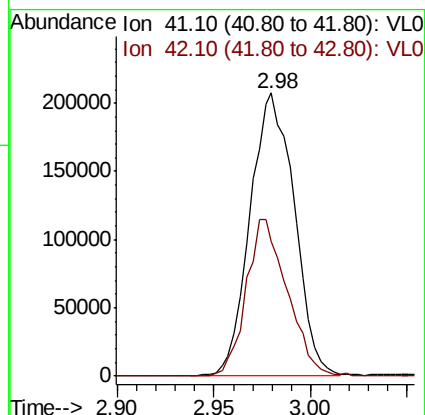
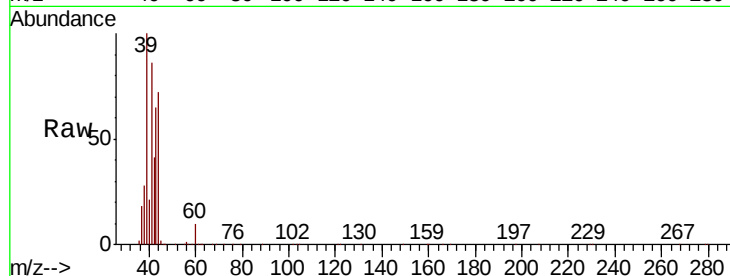
ClientSampleId :

Tot Ion: 41 Resp: 330318

Ion Ratio Lower Upper

41 100

42 51.7 54.5 81.7#



#10

Heptane

Concen: 1.850 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VL034958.D

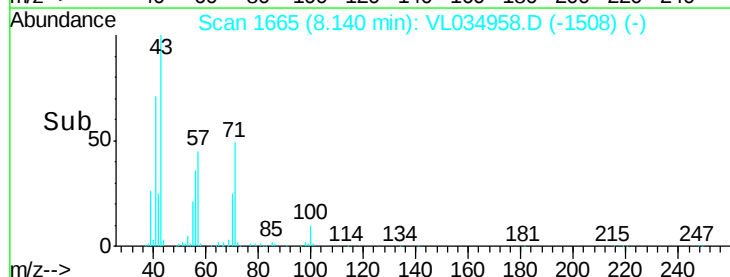
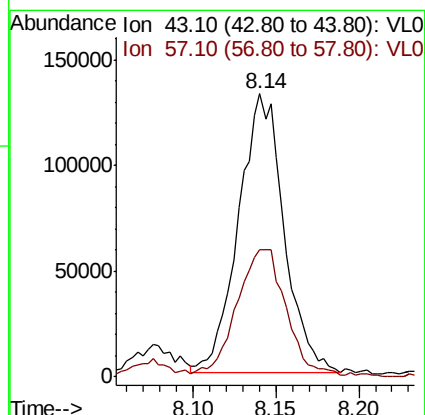
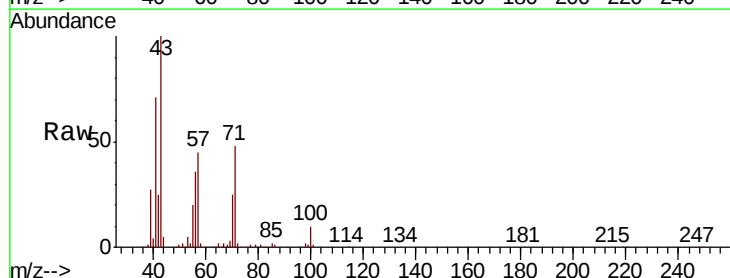
Acq: 7 May 2020 6:47

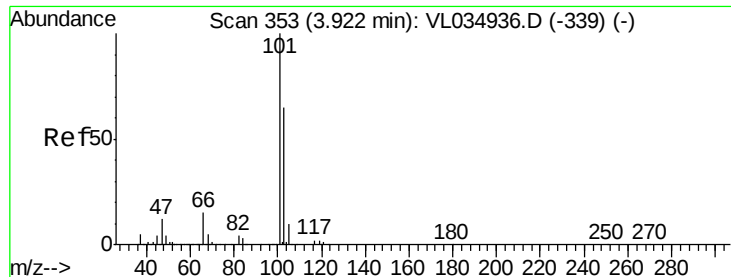
Tgt Ion: 43 Resp: 252404

Ion Ratio Lower Upper

43 100

57 50.1 41.1 61.7





#11

Trichlorofluoromethane

Concen: 0.110 ppbv

RT: 3.93 min Scan# 355

Delta R.T. 0.01 min

Lab File: VL034958.D

Acq: 7 May 2020 6:47

Instrument :

MSVOA_L

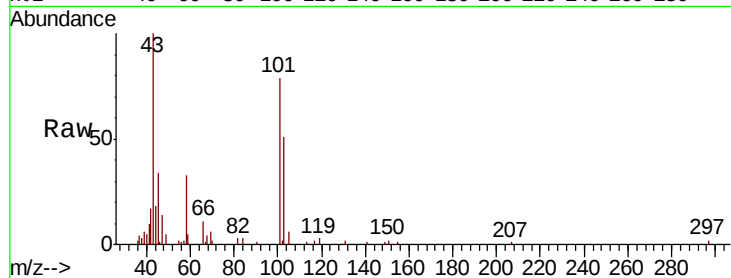
ClientSampled :

Tot Ion:101 Resp: 17641

Ion Ratio Lower Upper

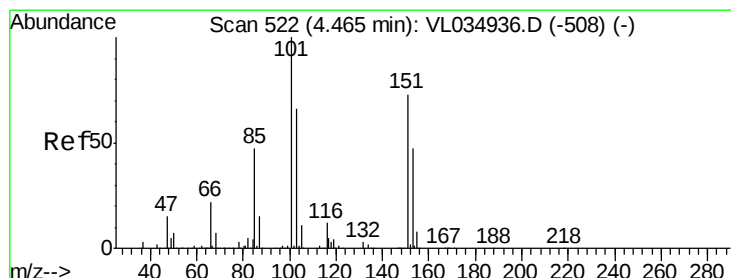
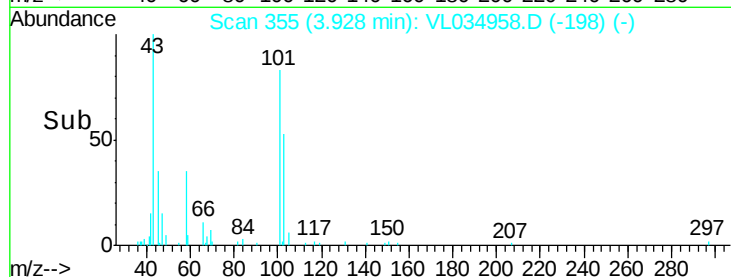
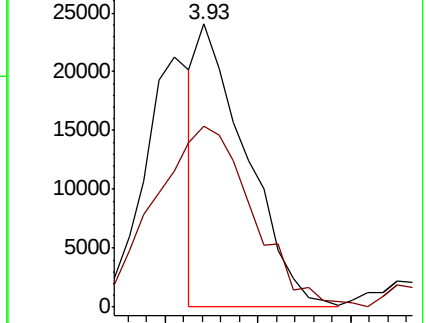
101 100

103 62.5 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.035 ppbv

RT: 4.47 min Scan# 524

Delta R.T. 0.01 min

Lab File: VL034958.D

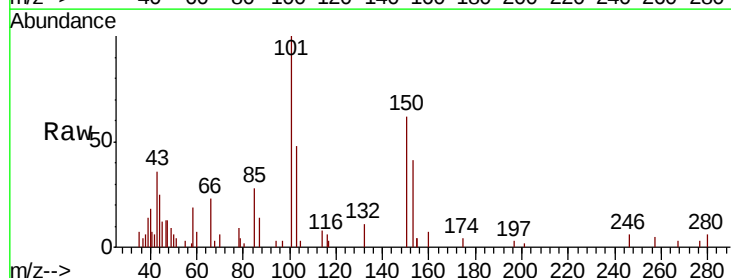
Acq: 7 May 2020 6:47

Tgt Ion:101 Resp: 4051

Ion Ratio Lower Upper

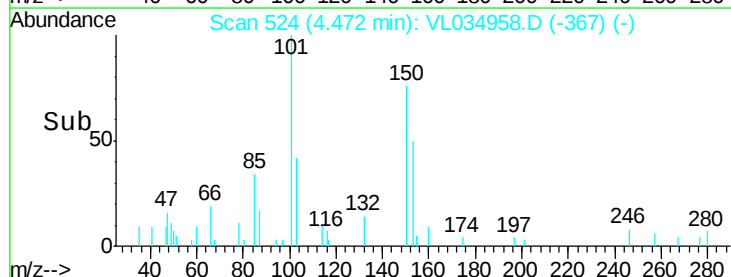
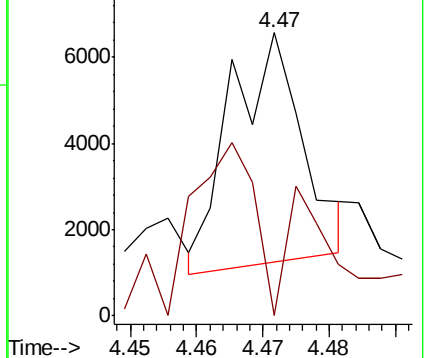
101 100

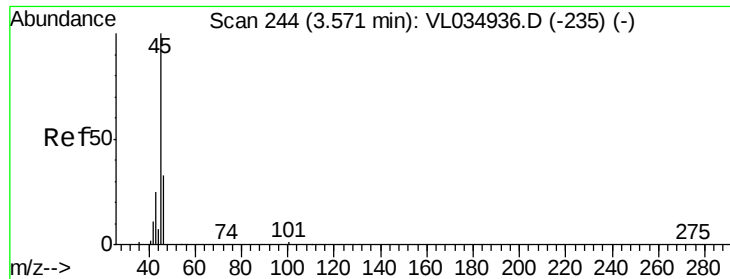
151 115.7 57.6 86.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

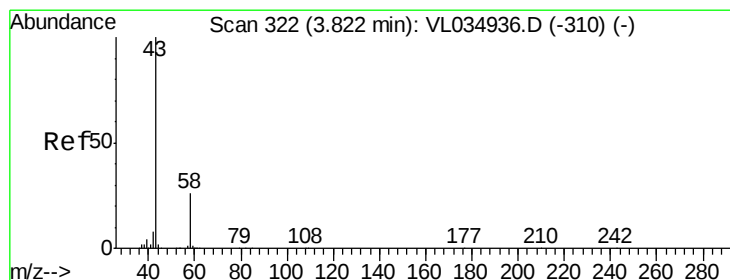
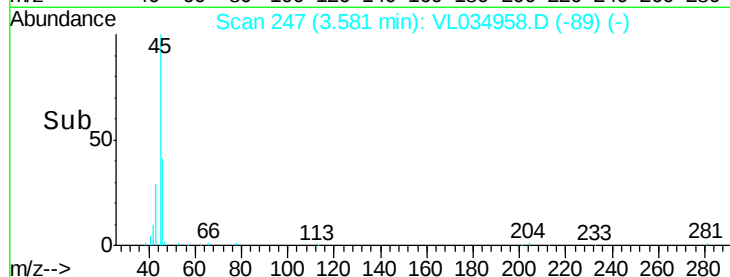
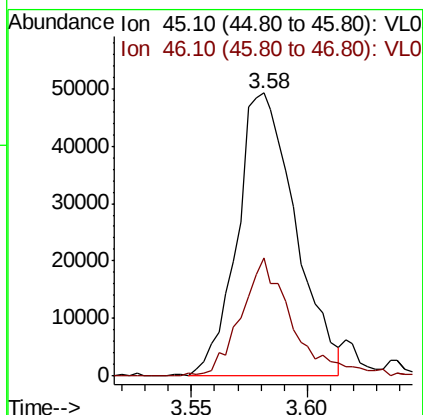
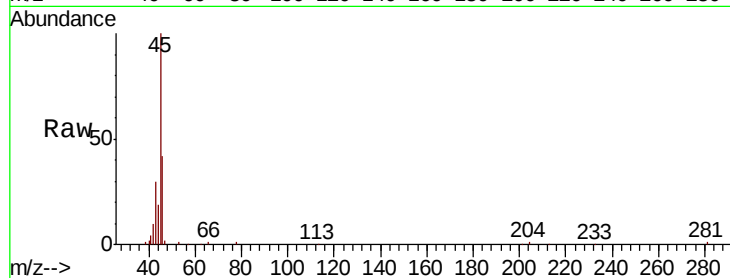




#13
Ethanol
Concen: 4.773 ppbv
RT: 3.58 min Scan# 247
Delta R.T. 0.01 min
Lab File: VL034958.D
Acq: 7 May 2020 6:47

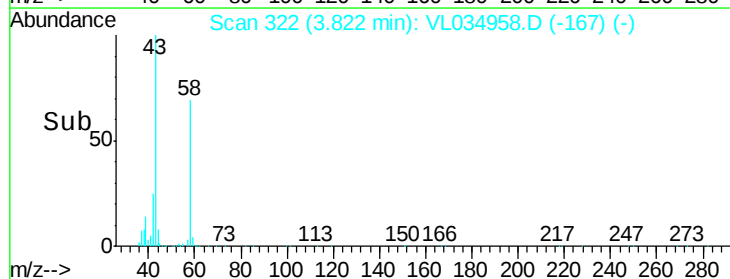
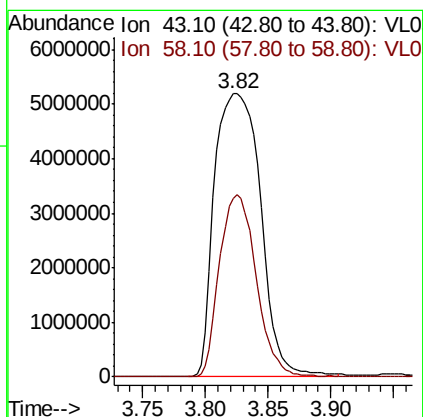
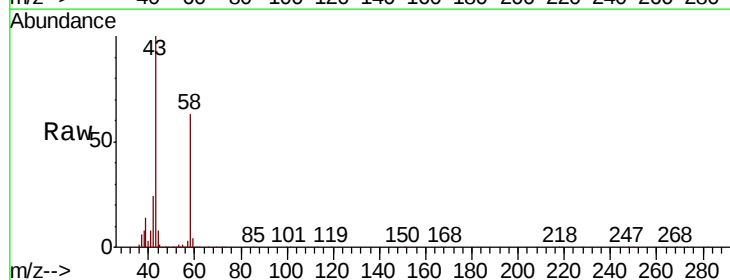
Instrument :
MSVOA_L
ClientSampleId :

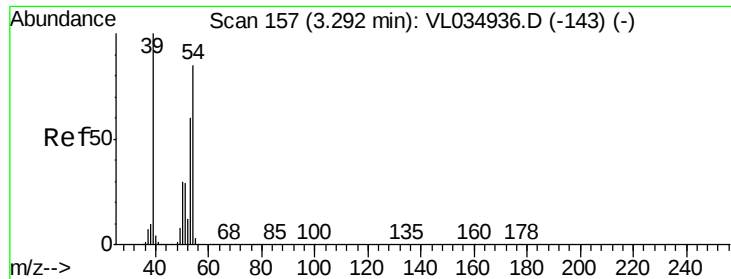
Tot Ion: 45 Resp: 85776
Ion Ratio Lower Upper
45 100
46 38.2 14.3 57.3



#15
Acetone
Concen: 91.188 ppbv
RT: 3.82 min Scan# 322
Delta R.T. -0.00 min
Lab File: VL034958.D
Acq: 7 May 2020 6:47

Tgt Ion: 43 Resp:13253404
Ion Ratio Lower Upper
43 100
58 51.9 21.7 32.5#

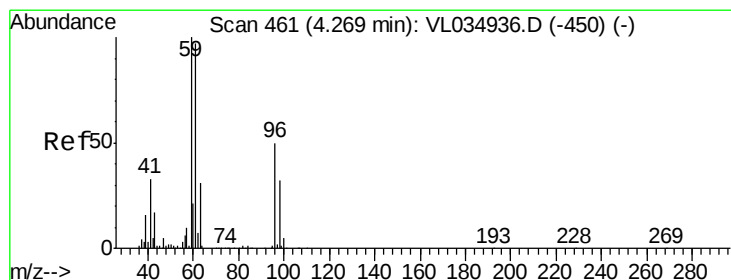
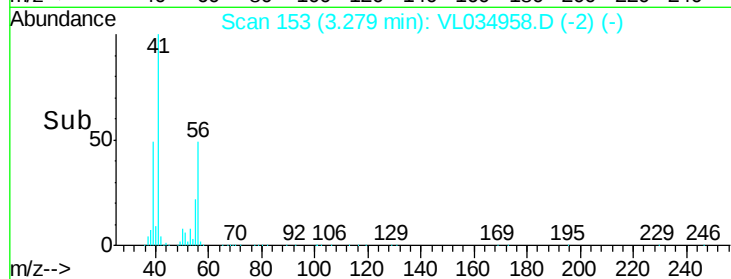
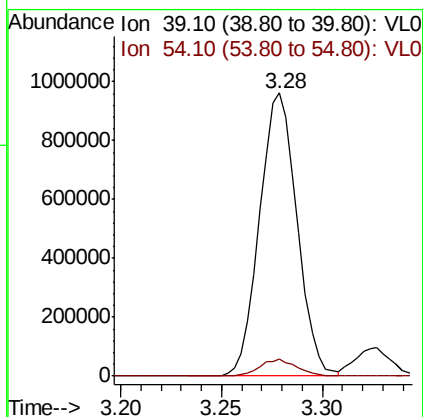
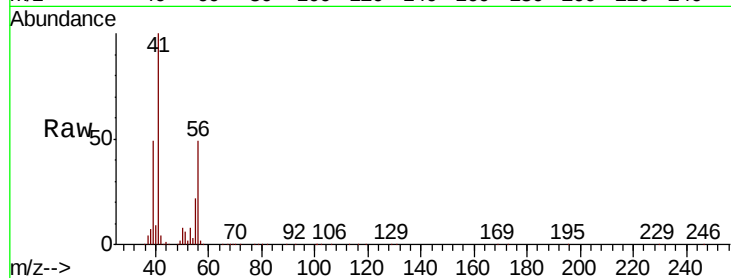




#16
1,3-Butadiene
Concen: 19.918 ppbv
RT: 3.28 min Scan# 153
Delta R.T. -0.01 min
Lab File: VL034958.D
Acq: 7 May 2020 6:47

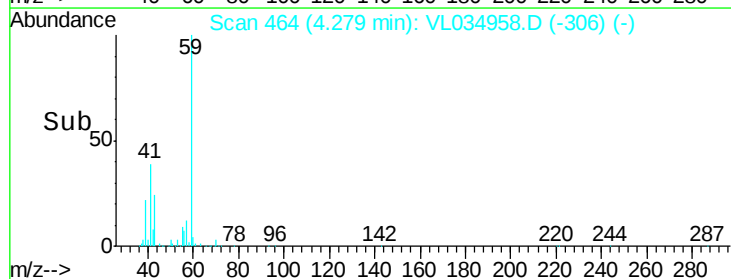
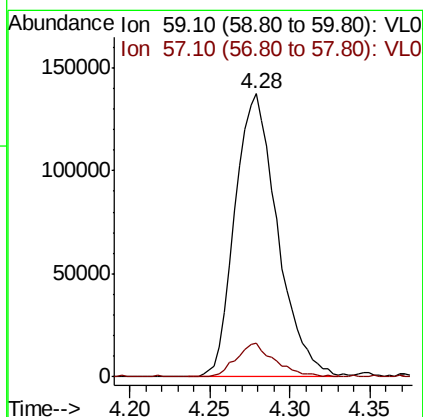
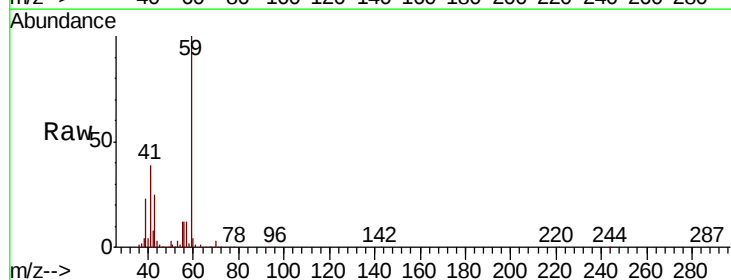
Instrument :
MSVOA_L
ClientSampleId :

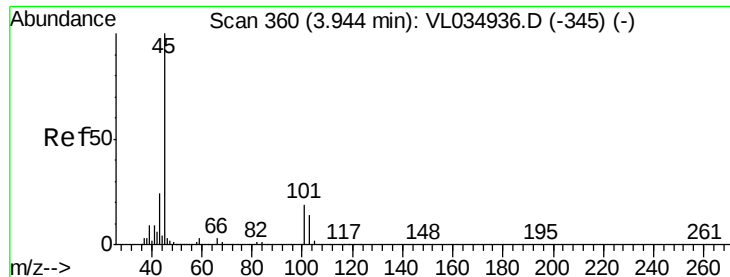
Tot Ion: 39 Resp: 1245804
Ion Ratio Lower Upper
39 100
54 6.2 66.6 100.0#



#17
tert-Butyl alcohol
Concen: 1.929 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.01 min
Lab File: VL034958.D
Acq: 7 May 2020 6:47

Tgt Ion: 59 Resp: 249430
Ion Ratio Lower Upper
59 100
57 11.2 8.7 13.1



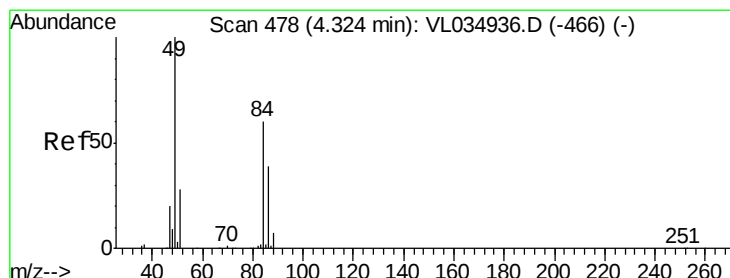
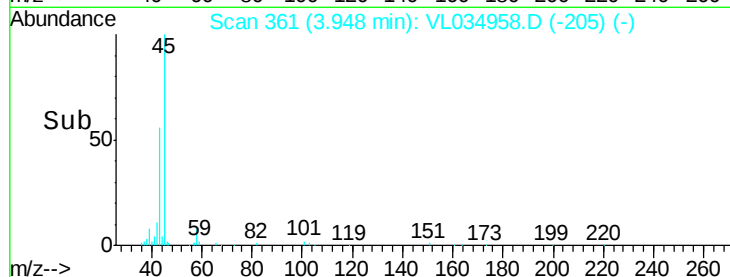
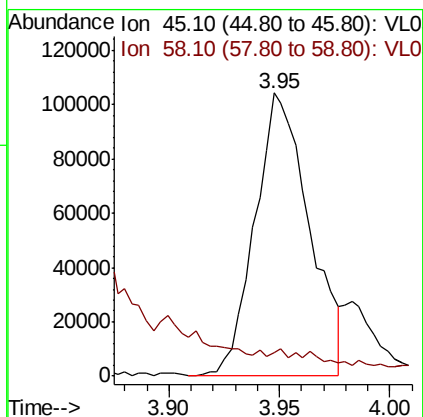
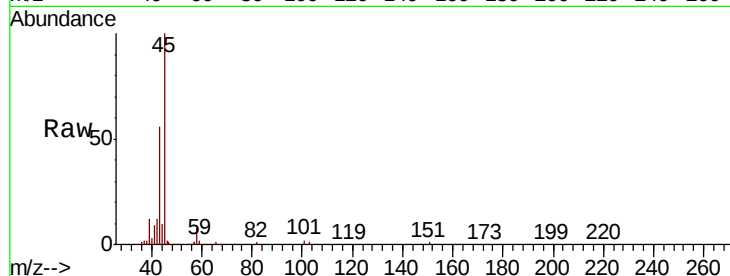


#19

Isopropyl Alcohol
 Concen: 1.828 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL034958.D
 Acq: 7 May 2020 6:47

Instrument :
 MSVOA_L
 ClientSampled :

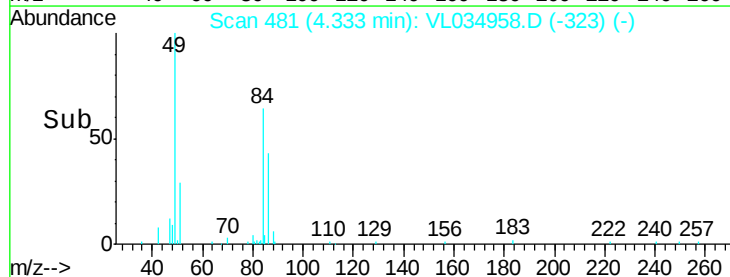
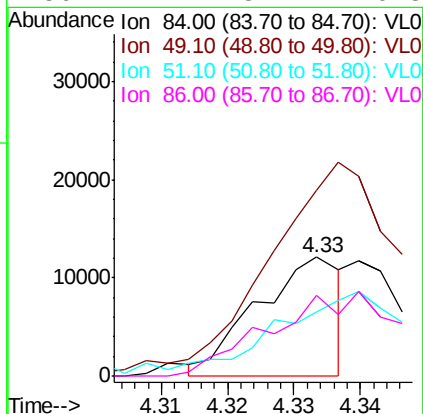
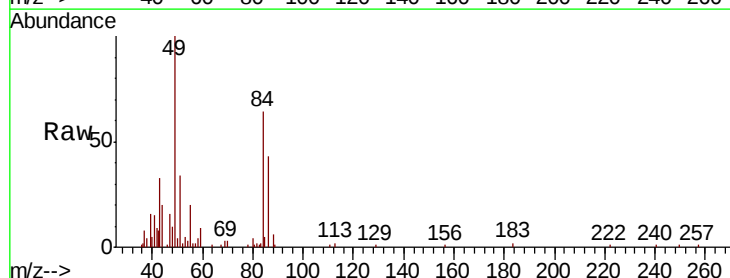
Tot Ion: 45 Resp: 177194
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.7 2.5#

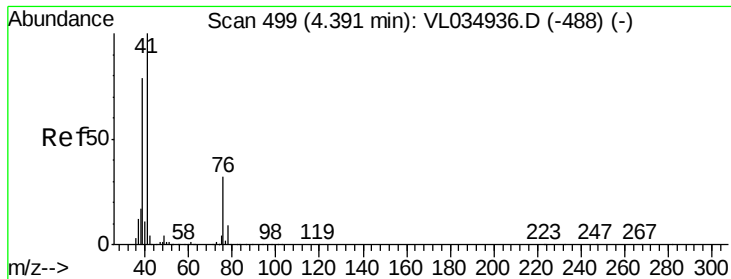


#20

Methylene Chloride
 Concen: 0.222 ppbv
 RT: 4.33 min Scan# 481
 Delta R.T. 0.01 min
 Lab File: VL034958.D
 Acq: 7 May 2020 6:47

Tgt Ion: 84 Resp: 10704
 Ion Ratio Lower Upper
 84 100
 49 157.8 132.5 198.7
 51 47.4 38.4 57.6
 86 71.4 51.2 76.8





#21

Allvl Chloride

Concen: 0.059 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.05 min

Lab File: VL034958.D

Acq: 7 May 2020 6:47

Instrument :
MSVOA_L
ClientSampleId :

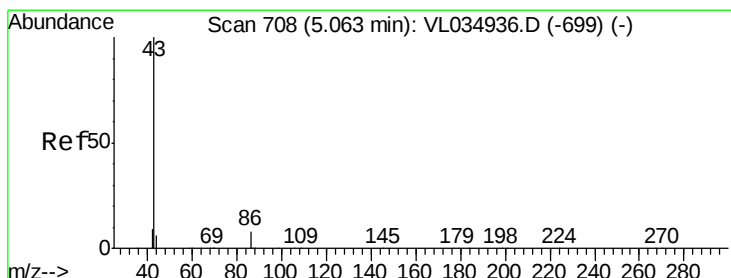
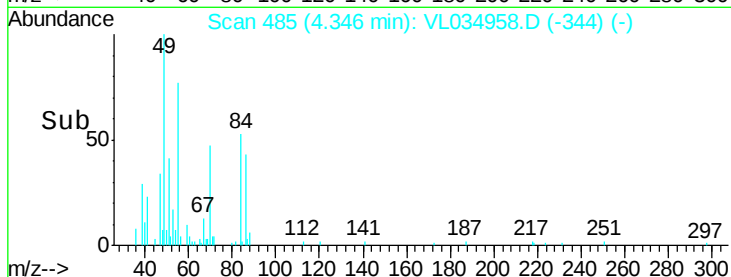
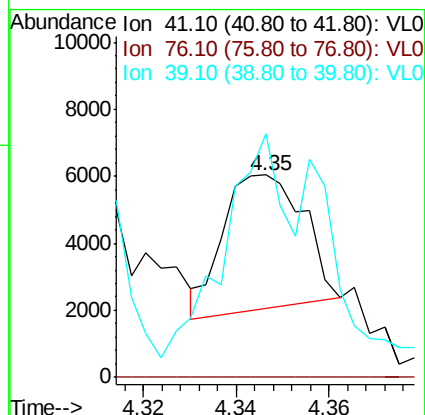
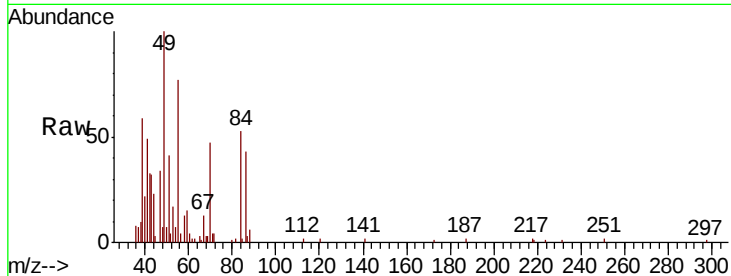
Tot Ion: 41 Resp: 4842

Ion Ratio Lower Upper

41 100

76 0.0 23.6 35.4#

39 192.6 61.9 92.9#



#23

Vinyl Acetate

Concen: 0.353 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.00 min

Lab File: VL034958.D

Acq: 7 May 2020 6:47

Tgt Ion: 43 Resp: 65132

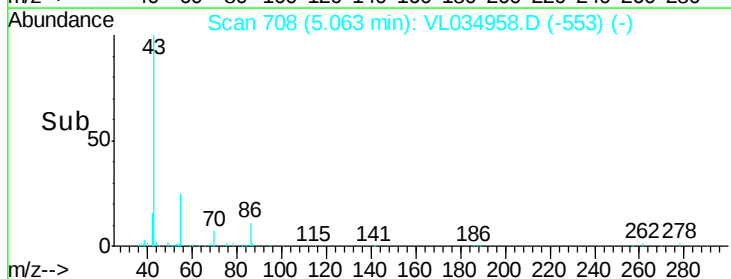
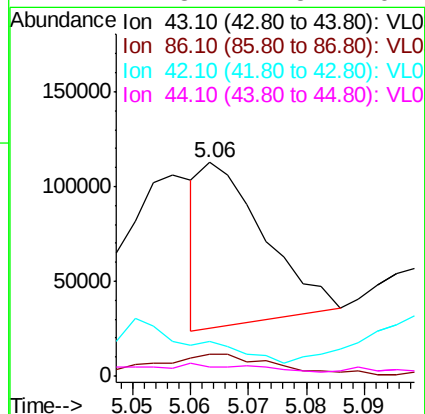
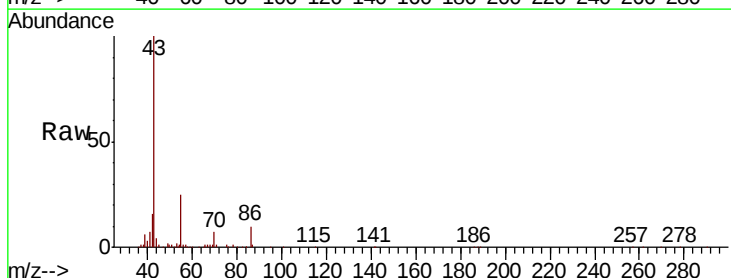
Ion Ratio Lower Upper

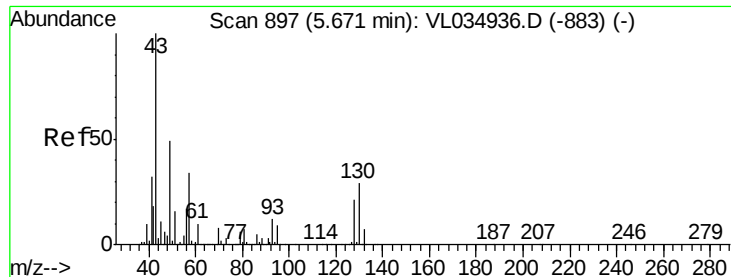
43 100

86 12.5 5.5 8.3#

42 5.1 8.0 12.0#

44 2.8 4.5 6.7#





#25

Ethyl Acetate

Concen: 0.635 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

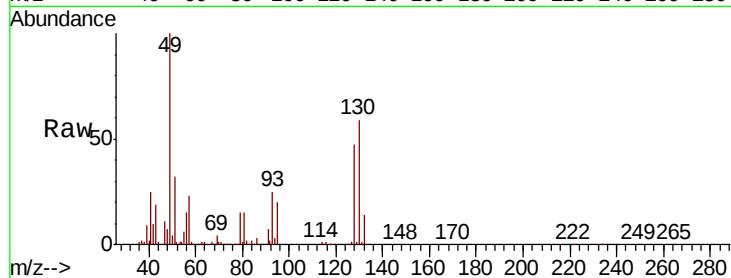
Lab File: VL034958.D

Acq: 7 May 2020 6:47

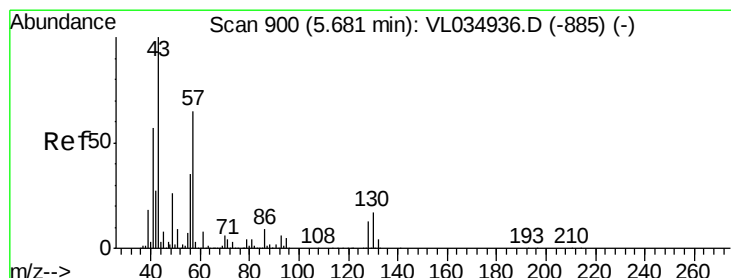
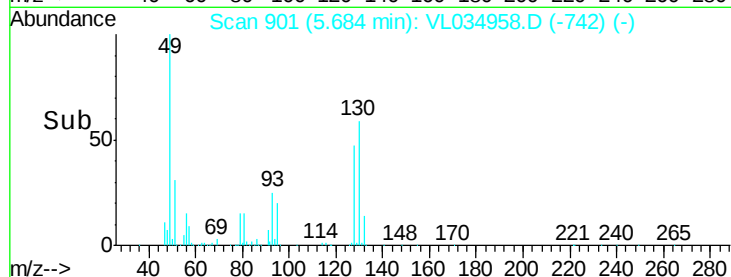
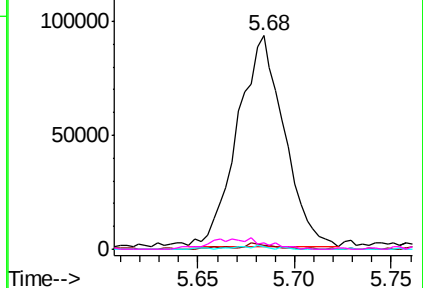
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 154964

Ion	Ratio	Lower	Upper
43	100		
45	2.6	8.1	12.1#
61	1.6	7.8	11.8#
70	6.3	6.0	9.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 1.793 ppbv

RT: 5.68 min Scan# 901

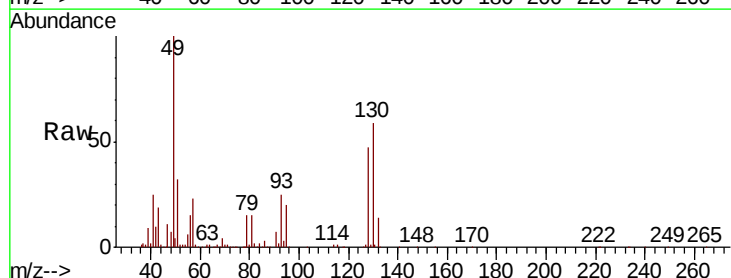
Delta R.T. 0.00 min

Lab File: VL034958.D

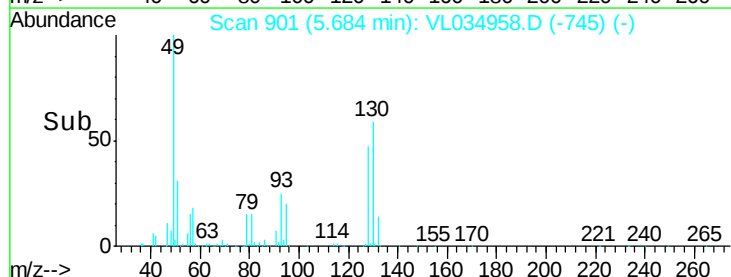
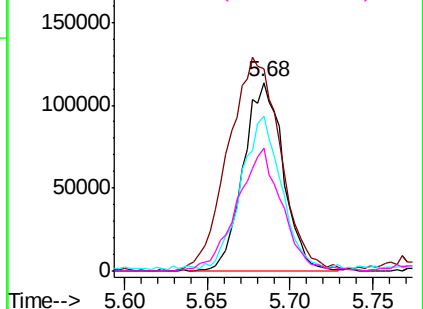
Acq: 7 May 2020 6:47

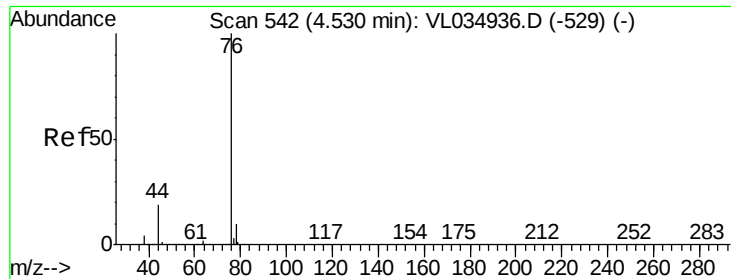
Tgt Ion: 57 Resp: 189755

Ion	Ratio	Lower	Upper
57	100		
41	148.1	72.7	109.1#
43	84.2	182.1	273.1#
56	74.5	42.2	63.2#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.380 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.01 min

Lab File: VL034958.D

Acq: 7 May 2020 6:47

Instrument :

MSVOA_L

ClientSampleId :

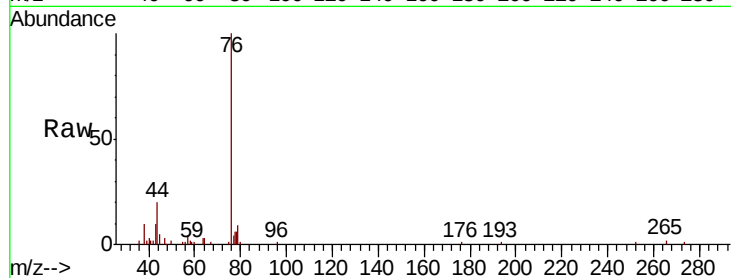
Tot Ion: 76 Resp: 47363

Ion Ratio Lower Upper

76 100

44 21.7 15.2 22.8

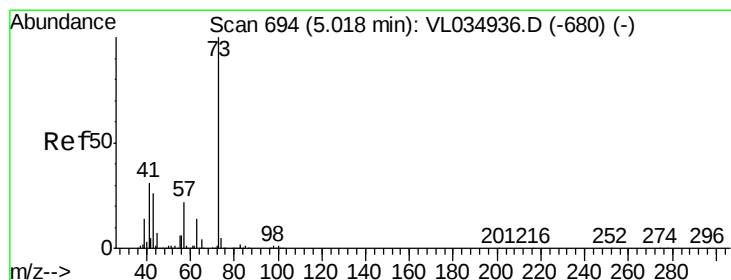
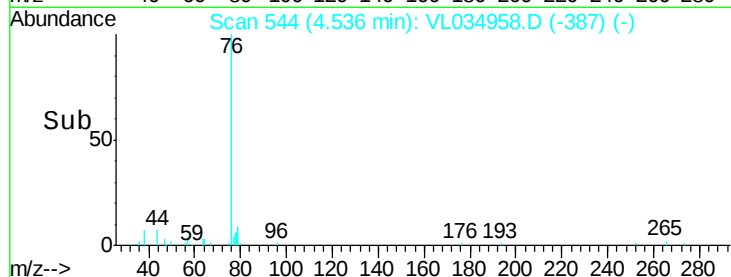
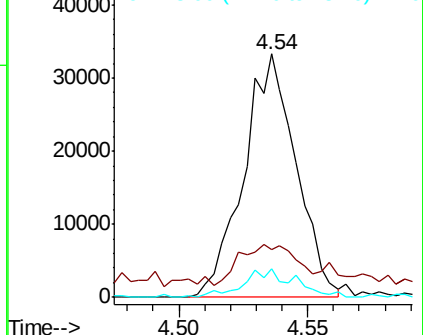
78 11.6 7.7 11.5#



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.025 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.01 min

Lab File: VL034958.D

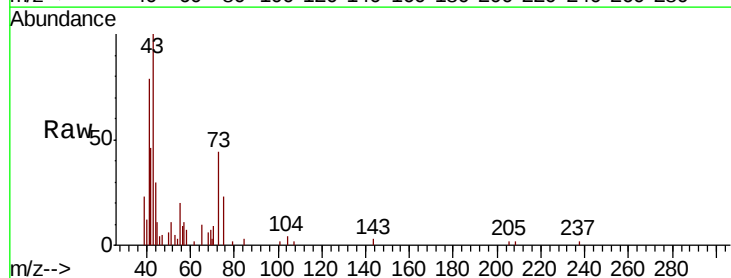
Acq: 7 May 2020 6:47

Tgt Ion: 73 Resp: 4090

Ion Ratio Lower Upper

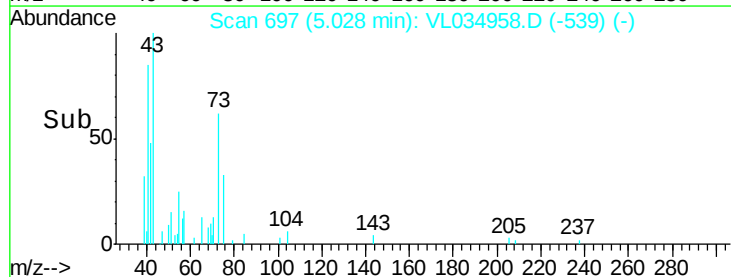
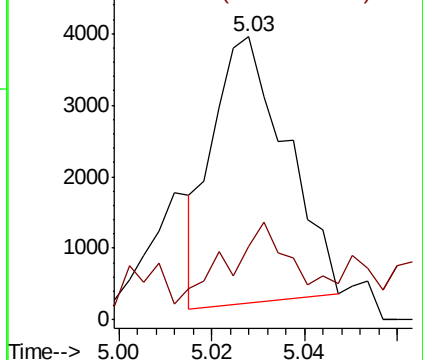
73 100

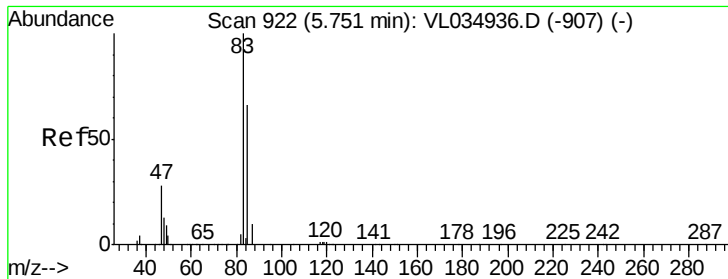
57 0.0 18.3 27.5#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 0.599 ppbv

RT: 5.76 min Scan# 926

Delta R.T. 0.01 min

Lab File: VL034958.D

Acq: 7 May 2020 6:47

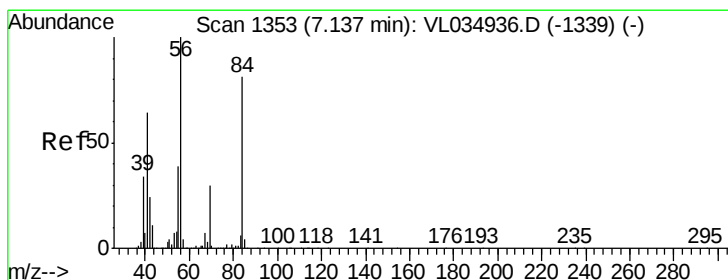
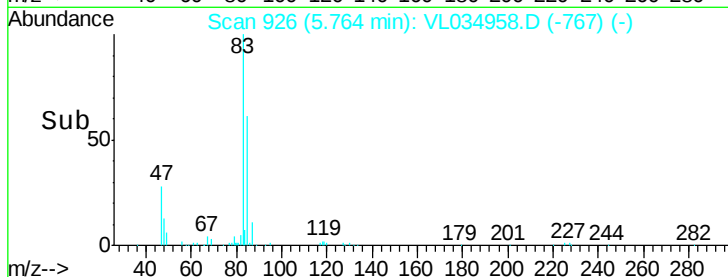
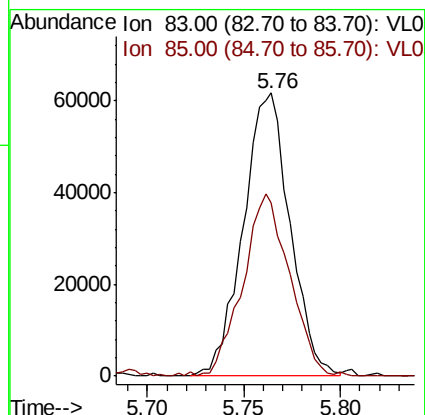
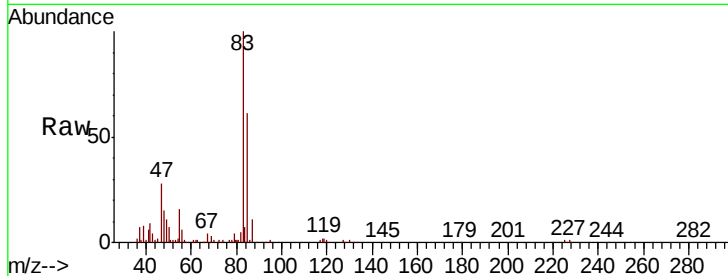
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 83 Resp: 103800

Ion Ratio Lower Upper

83 100

85 59.7 53.0 79.6



#30

Cyclohexane

Concen: 0.053 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. 0.01 min

Lab File: VL034958.D

Acq: 7 May 2020 6:47

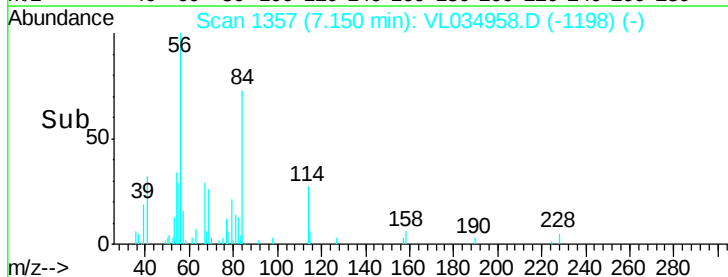
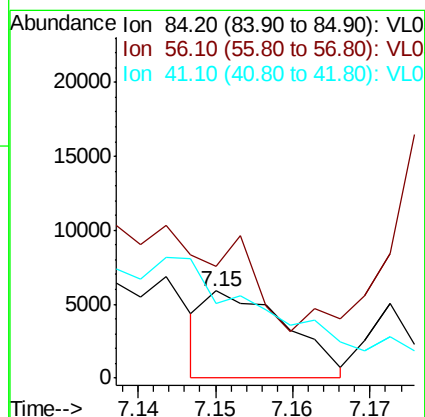
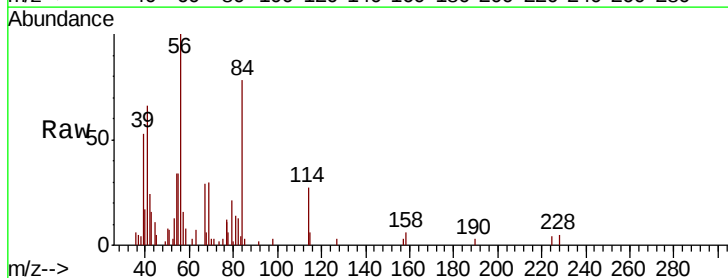
Tgt Ion: 84 Resp: 4346

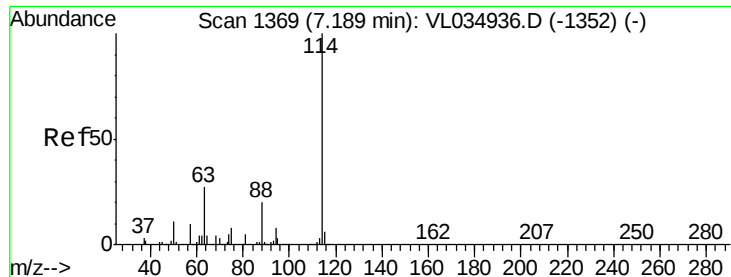
Ion Ratio Lower Upper

84 100

56 0.0 111.4 167.2#

41 0.0 66.7 100.1#

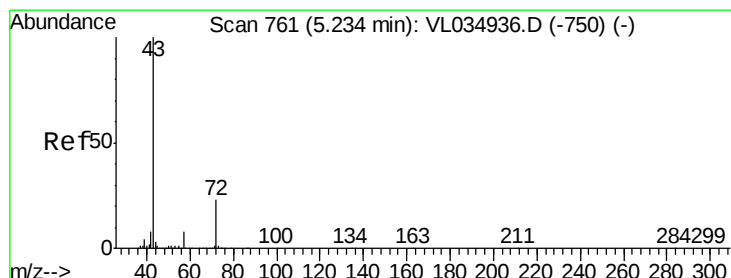
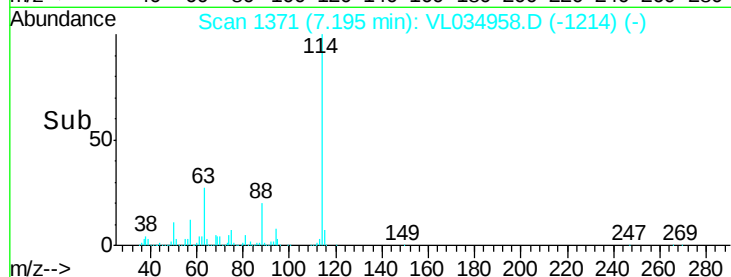
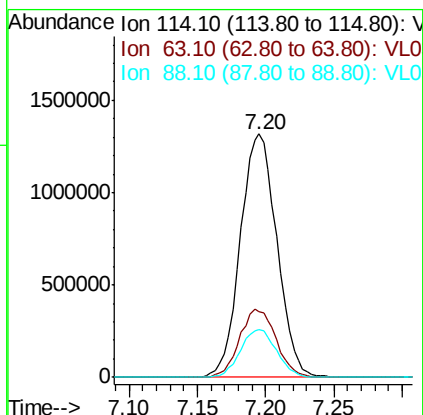
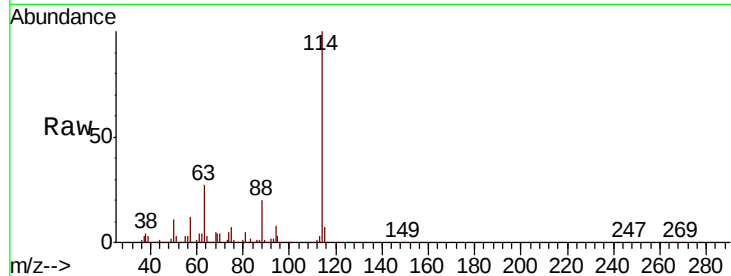




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. 0.01 min
 Lab File: VL034958.D
 Acq: 7 May 2020 6:47

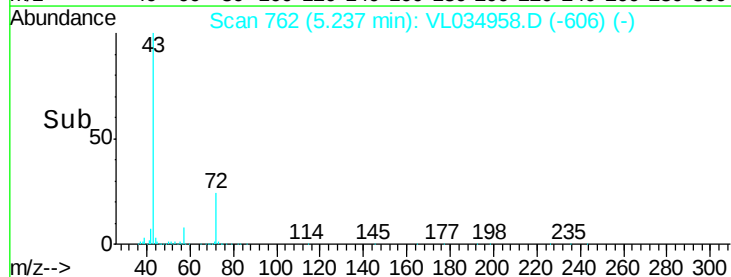
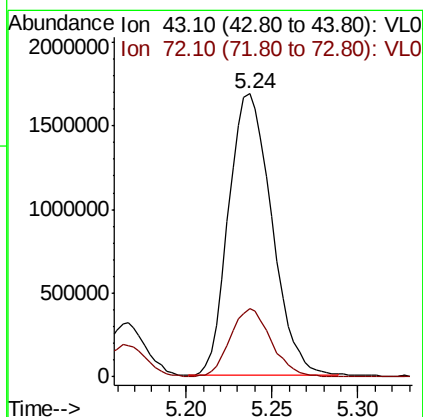
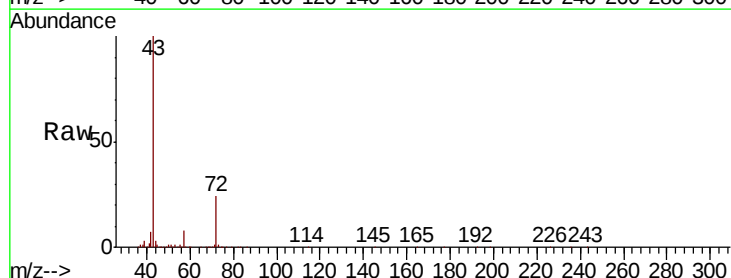
Instrument :
 MSVOA_L
 ClientSampleId :

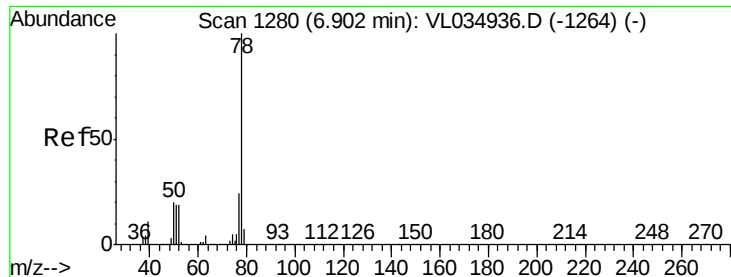
Tot Ion:114 Resp: 2448231
 Ion Ratio Lower Upper
 114 100
 63 28.2 22.2 33.4
 88 19.5 15.5 23.3



#34
 2-Butanone
 Concen: 19.278 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VL034958.D
 Acq: 7 May 2020 6:47

Tgt Ion: 43 Resp: 2933375
 Ion Ratio Lower Upper
 43 100
 72 23.1 18.0 27.0





#36

Benzene

Concen: 0.505 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VL034958.D

Acq: 7 May 2020 6:47

Instrument :

MSVOA_L

ClientSampleId :

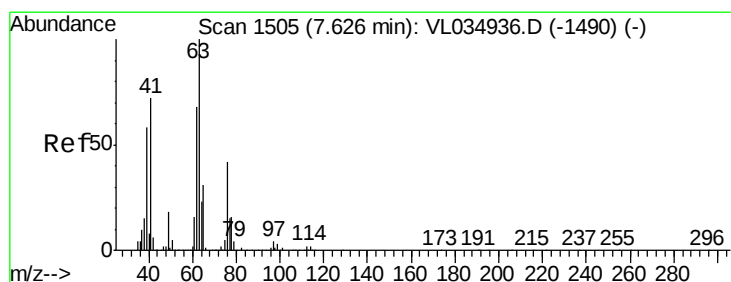
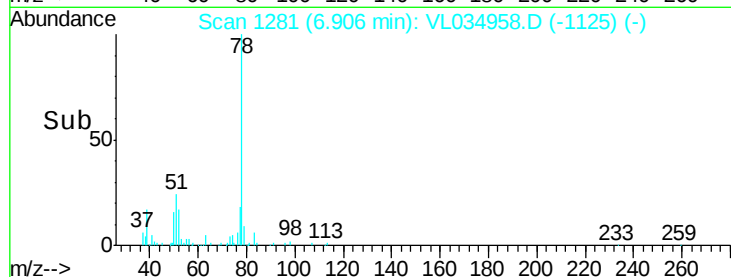
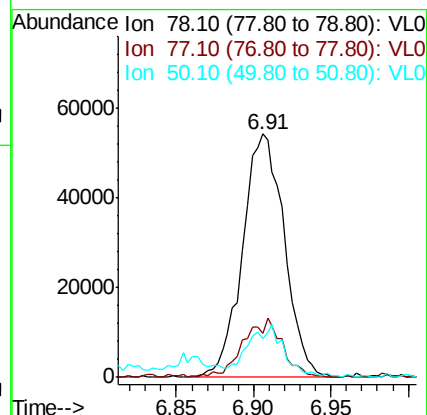
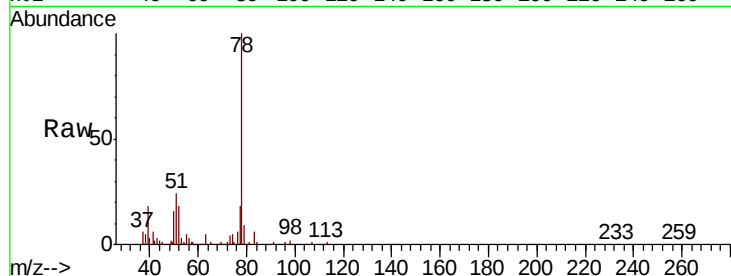
Tot Ion: 78 Resp: 101872

Ion Ratio Lower Upper

78 100

77 17.5 19.0 28.6#

50 16.2 15.8 23.8



#39

1,2-Dichloropropane

Concen: 8.459 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. -0.43 min

Lab File: VL034958.D

Acq: 7 May 2020 6:47

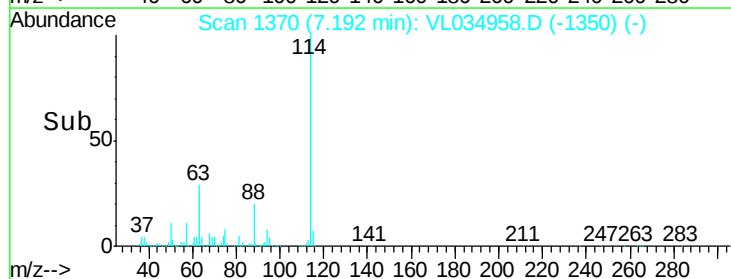
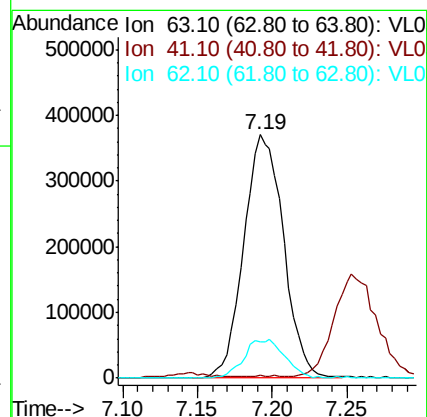
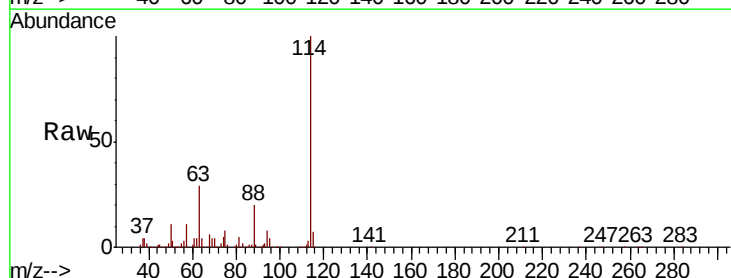
Tgt Ion: 63 Resp: 684499

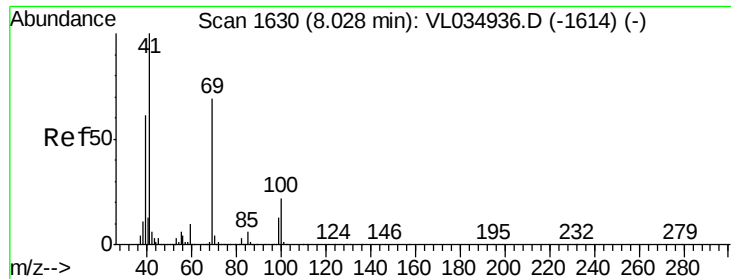
Ion Ratio Lower Upper

63 100

41 0.0 57.8 86.8#

62 14.9 54.2 81.2#

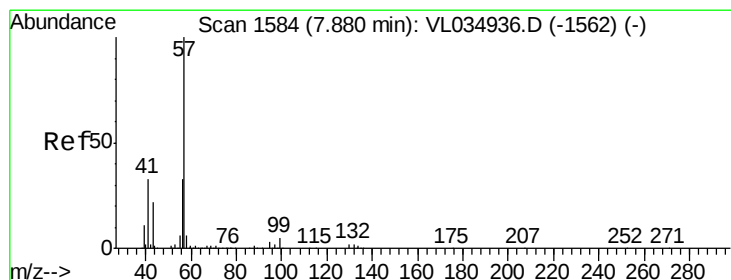
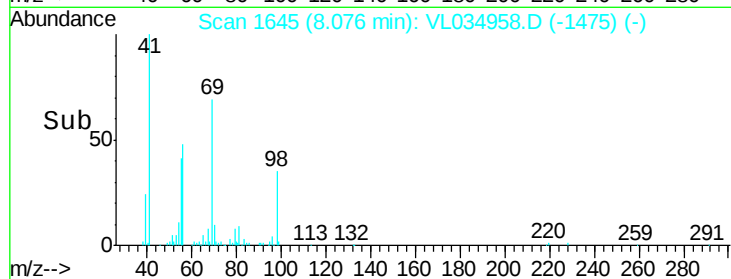
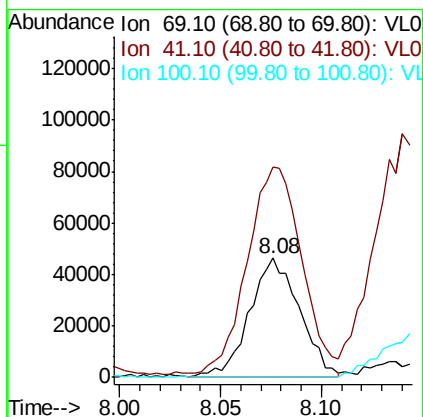
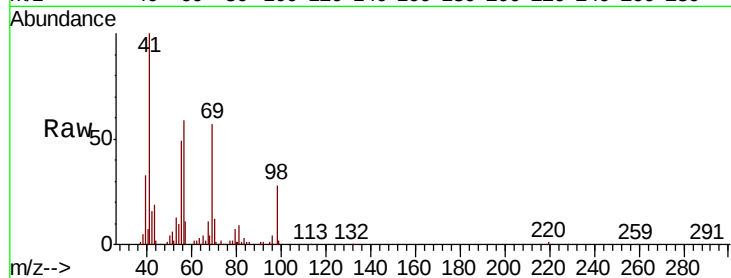




#43
Methvl Methacrvlate
Concen: 0.929 ppbv
RT: 8.08 min Scan# 1645
Delta R.T. 0.05 min
Lab File: VL034958.D
Acq: 7 May 2020 6:47

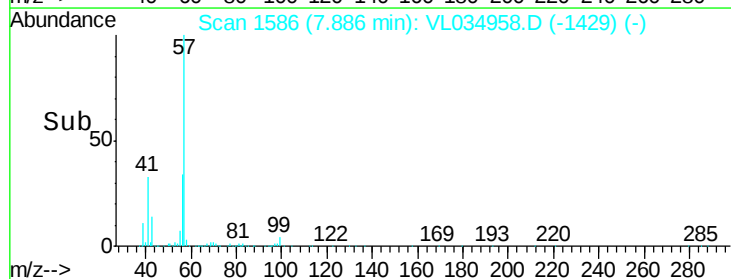
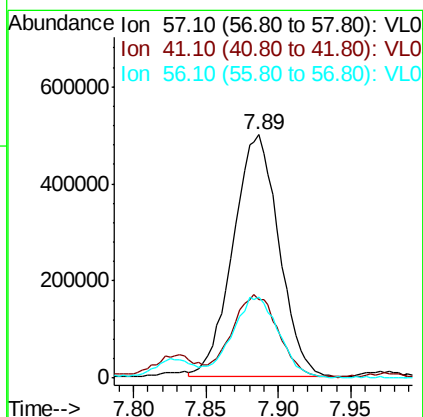
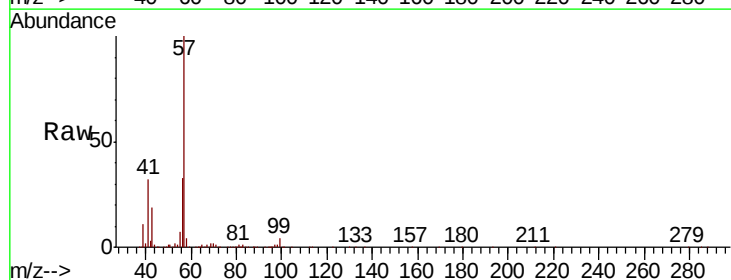
Instrument :
MSVOA_L
ClientSampleId :

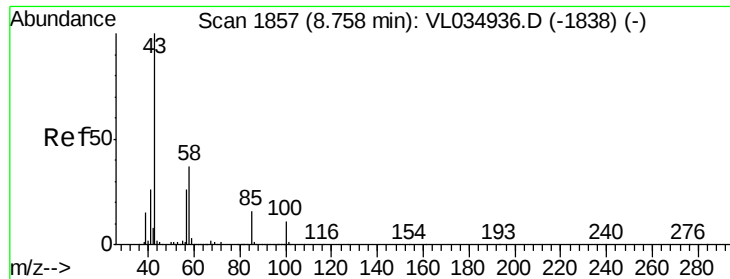
Tot Ion: 69 Resp: 79185
Ion Ratio Lower Upper
69 100
41 192.4 119.8 179.6#
100 0.0 25.0 37.6#



#44
2,2,4-Trimethylpentane
Concen: 3.076 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL034958.D
Acq: 7 May 2020 6:47

Tgt Ion: 57 Resp: 1103900
Ion Ratio Lower Upper
57 100
41 34.2 26.4 39.6
56 33.5 25.5 38.3

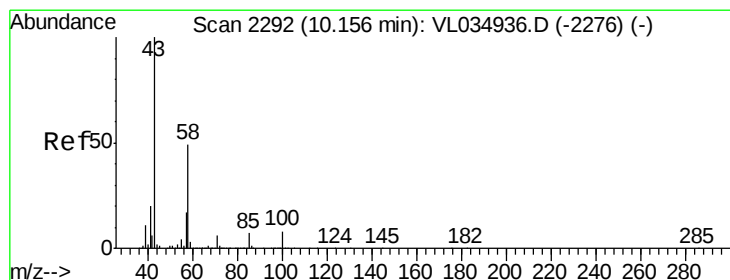
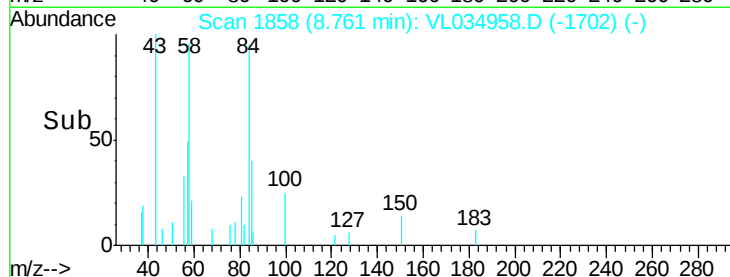
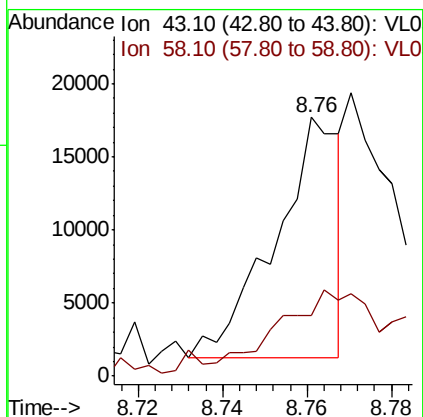
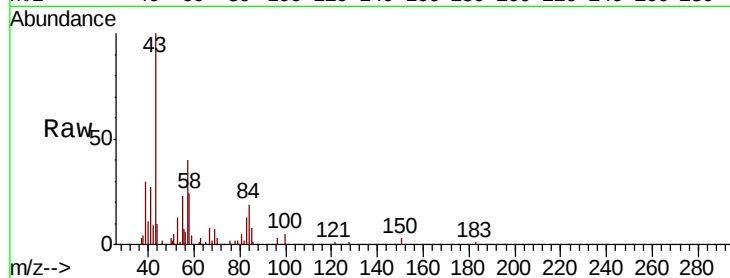




#50
4-Methyl-2-Pentanone
Concen: 0.080 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VL034958.D
Acq: 7 May 2020 6:47

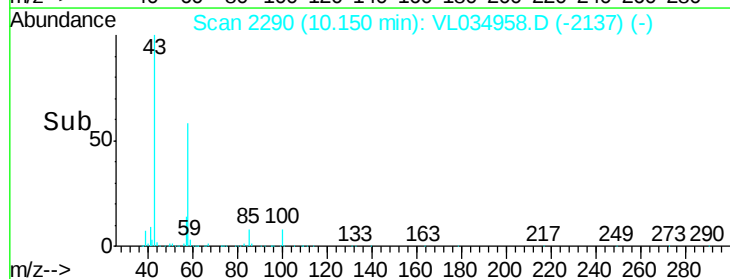
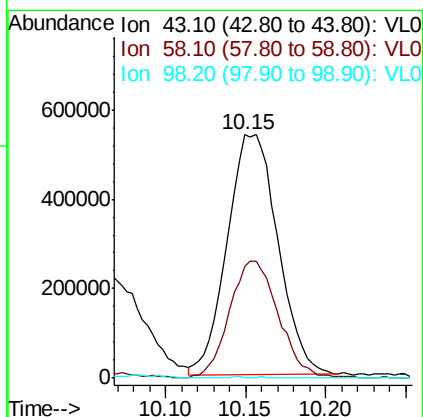
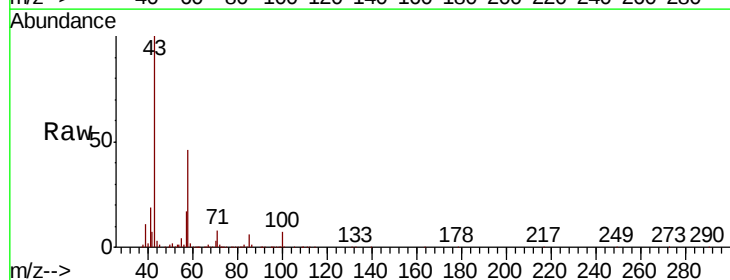
Instrument :
MSVOA_L
ClientSampleId :

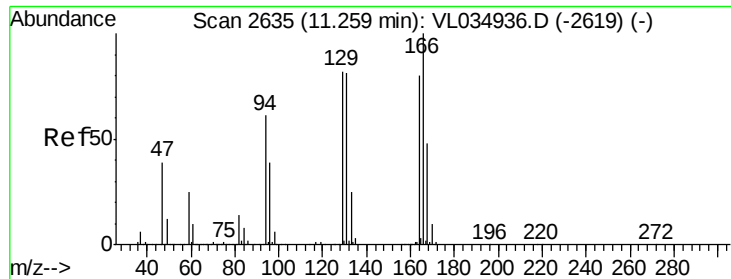
Tot Ion: 43 Resp: 17411
Ion Ratio Lower Upper
43 100
58 88.3 29.1 43.7#



#51
2-Hexanone
Concen: 6.826 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. -0.01 min
Lab File: VL034958.D
Acq: 7 May 2020 6:47

Tgt Ion: 43 Resp: 1158396
Ion Ratio Lower Upper
43 100
58 47.4 39.1 58.7
98 0.6 0.3 0.5#

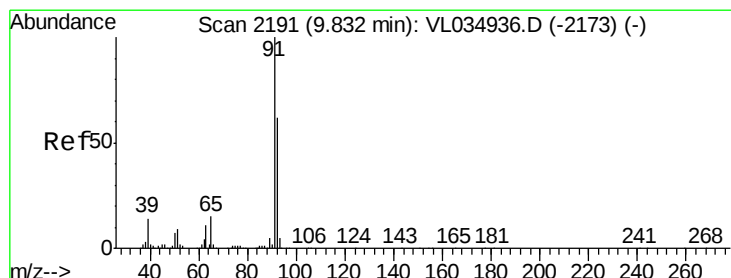
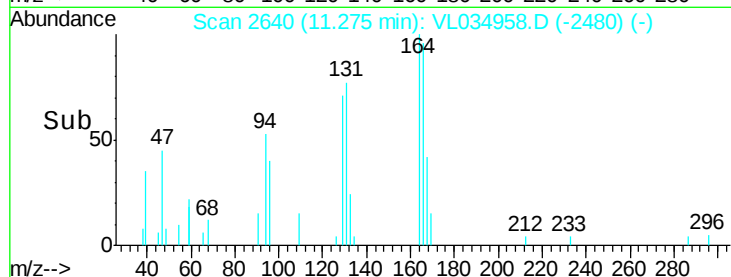
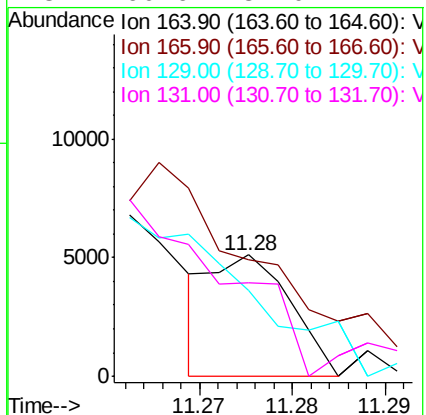
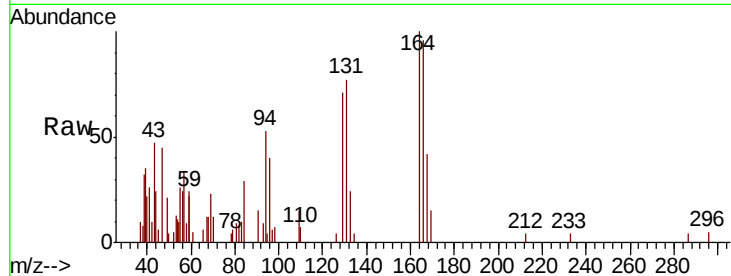




#52
Tetrachloroethene
Concen: 0.041 ppbv
RT: 11.28 min Scan# 2640
Delta R.T. 0.02 min
Lab File: VL034958.D
Acq: 7 May 2020 6:47

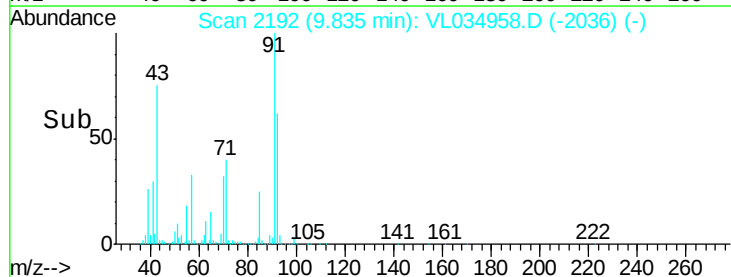
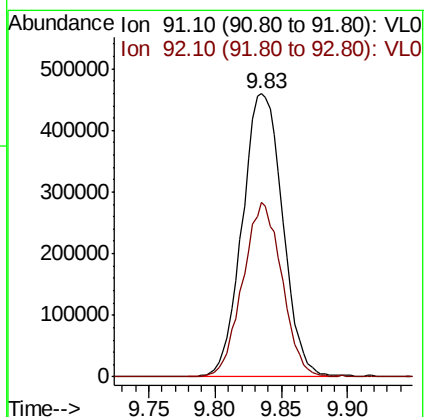
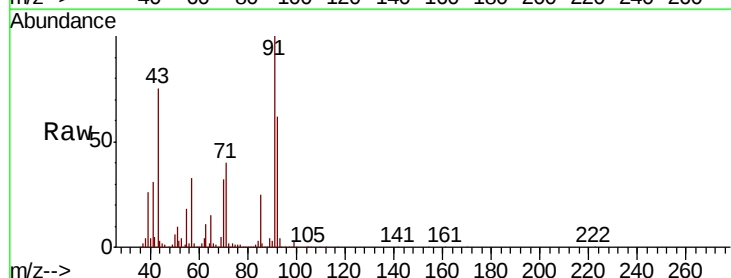
Instrument :
MSVOA_L
ClientSampleId :

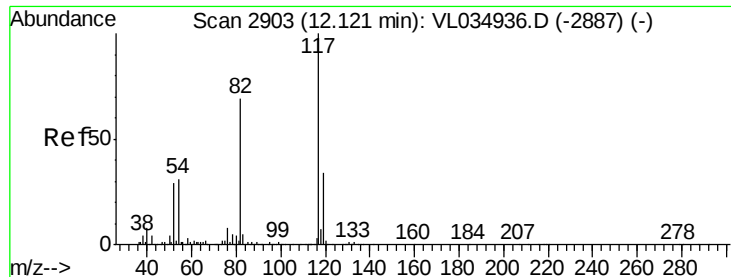
Tot Ion:164 Resp: 2971
Ion Ratio Lower Upper
164 100
166 50.5 100.7 151.1#
129 25.5 83.0 124.4#
131 60.6 81.0 121.4#



#53
Toluene
Concen: 4.553 ppbv
RT: 9.83 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VL034958.D
Acq: 7 May 2020 6:47

Tgt Ion: 91 Resp: 974180
Ion Ratio Lower Upper
91 100
92 59.8 48.6 73.0

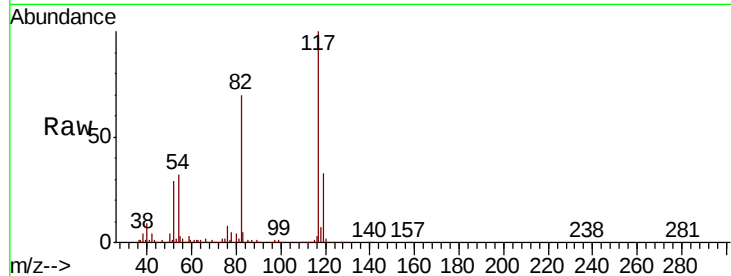




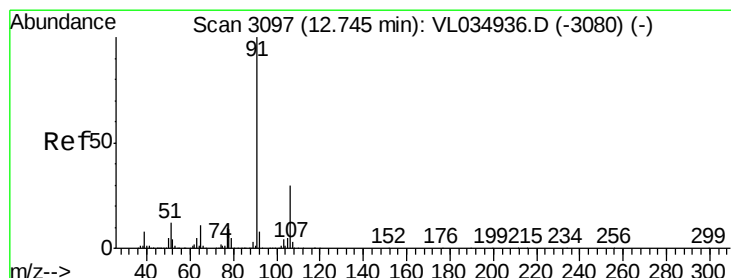
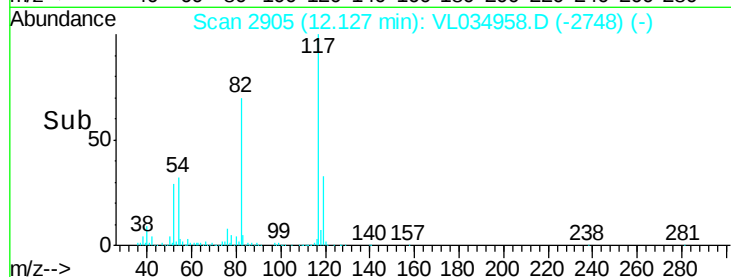
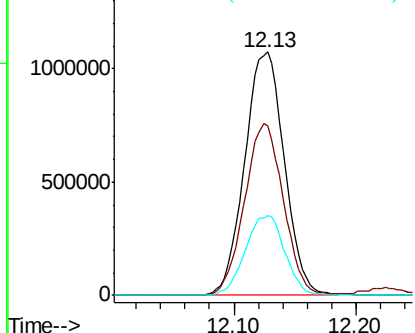
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL034958.D
Acq: 7 May 2020 6:47

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2412074
Ion Ratio Lower Upper
117 100
82 69.3 53.1 79.7
119 32.7 26.7 40.1

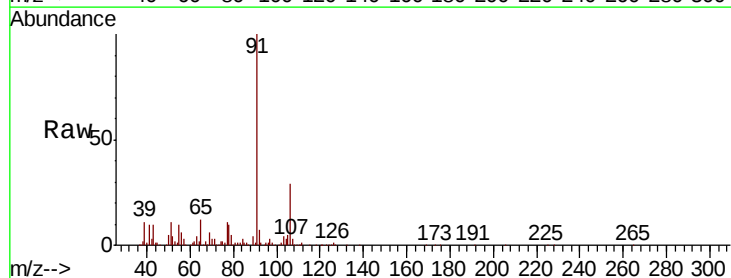


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

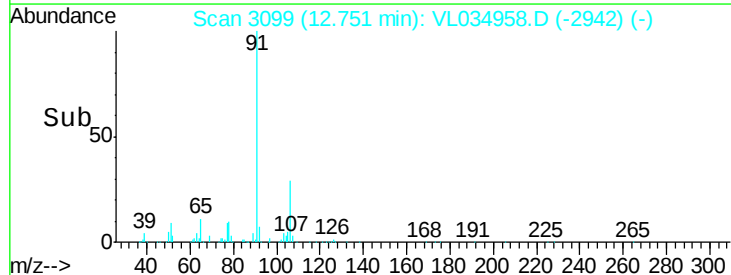
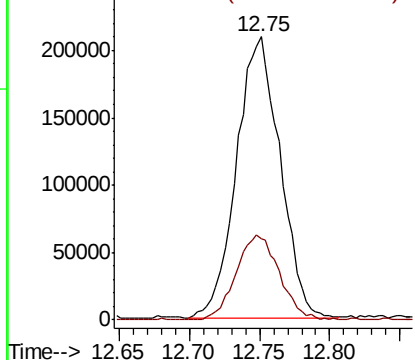


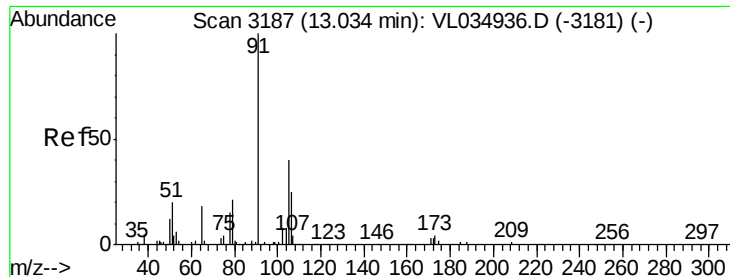
#58
Ethyl Benzene
Concen: 1.511 ppbv
RT: 12.75 min Scan# 3099
Delta R.T. 0.01 min
Lab File: VL034958.D
Acq: 7 May 2020 6:47

Tgt Ion: 91 Resp: 450668
Ion Ratio Lower Upper
91 100
106 29.0 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

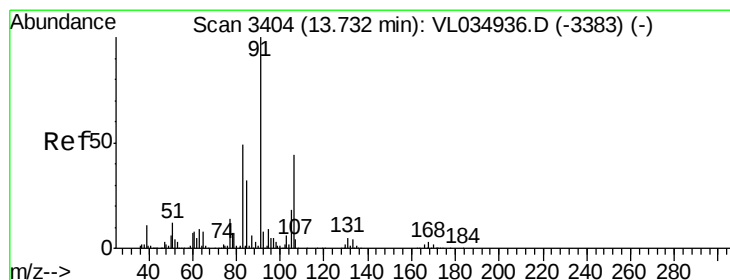
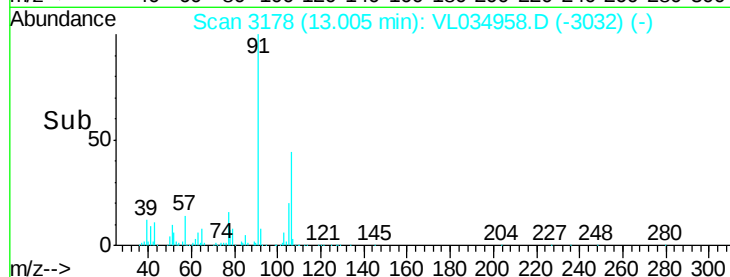
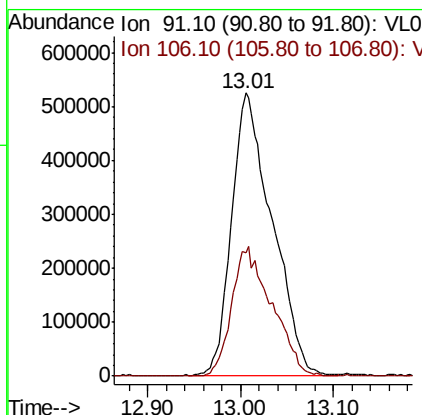
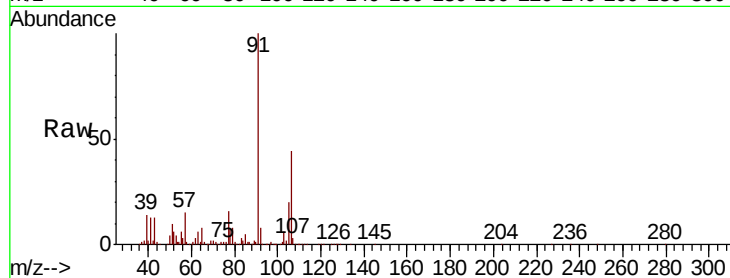




#59
m/p-Xylene
Concen: 6.101 ppbv
RT: 13.01 min Scan# 3178
Delta R.T. -0.03 min
Lab File: VL034958.D
Acq: 7 May 2020 6:47

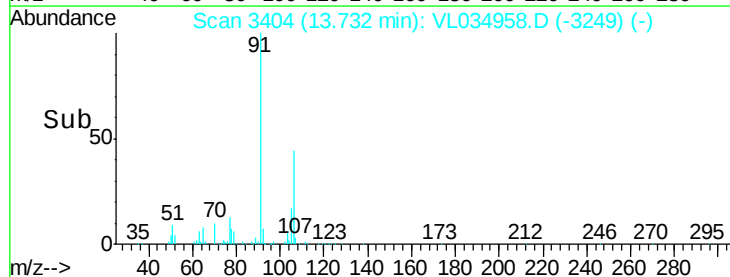
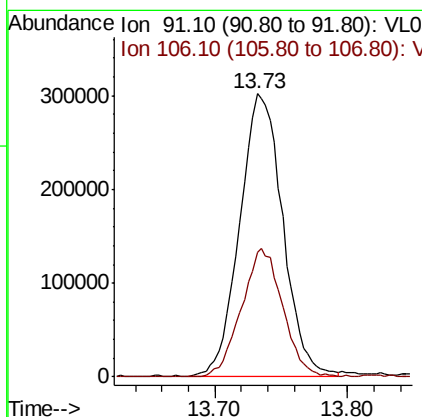
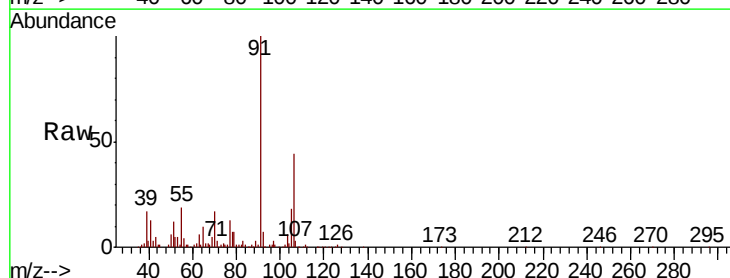
Instrument :
MSVOA_L
ClientSampled :

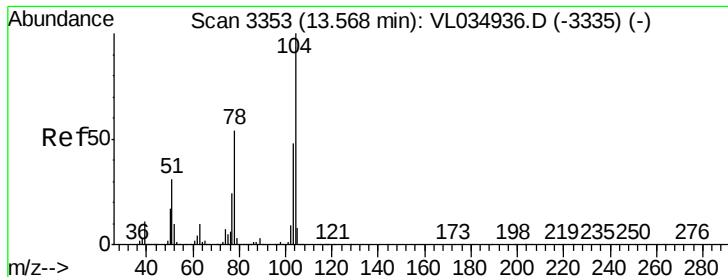
Tot Ion: 91 Resp: 1601185
Ion Ratio Lower Upper
91 100
106 45.3 66.0 99.0#



#60
o-Xylene
Concen: 2.632 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. -0.00 min
Lab File: VL034958.D
Acq: 7 May 2020 6:47

Tgt Ion: 91 Resp: 681463
Ion Ratio Lower Upper
91 100
106 44.0 21.9 65.5





#61

Stvrene

Concen: 0.026 ppbv

RT: 13.57 min Scan# 3355

Delta R.T. 0.01 min

Lab File: VL034958.D

Acq: 7 May 2020 6:47

Instrument :

MSVOA_L

ClientSampleId :

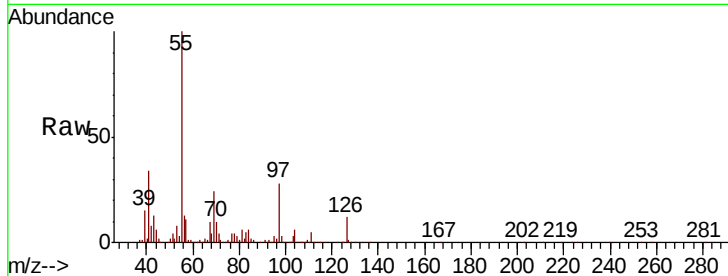
Tot Ion:104 Resp: 4202

Ion Ratio Lower Upper

104 100

78 466.5 43.7 65.5#

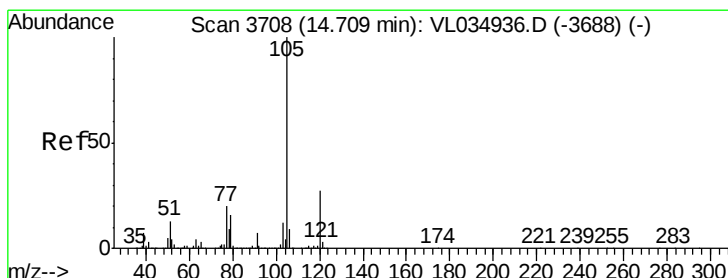
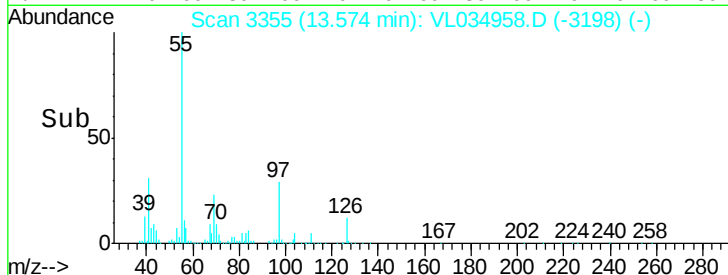
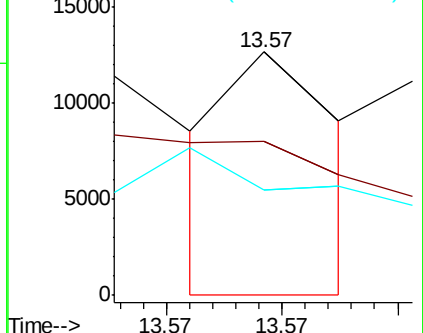
103 356.6 38.8 58.2#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.086 ppbv

RT: 14.72 min Scan# 3710

Delta R.T. 0.01 min

Lab File: VL034958.D

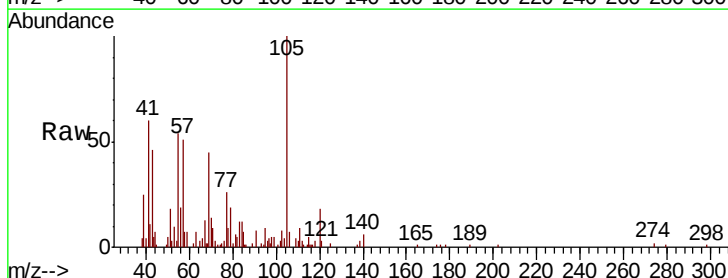
Acq: 7 May 2020 6:47

Tgt Ion:105 Resp: 33282

Ion Ratio Lower Upper

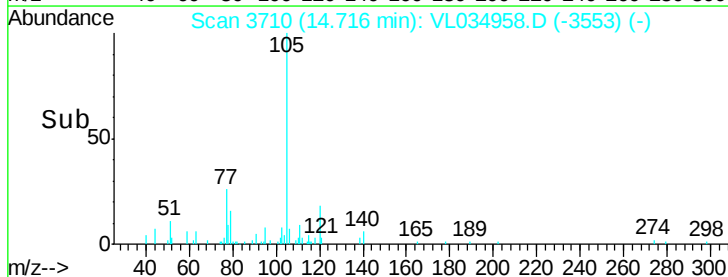
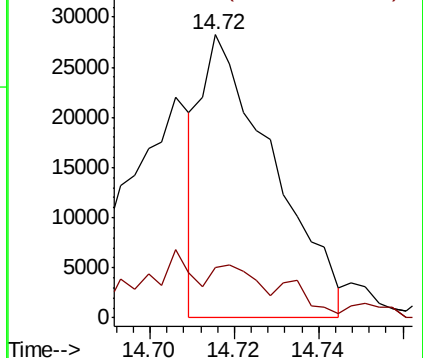
105 100

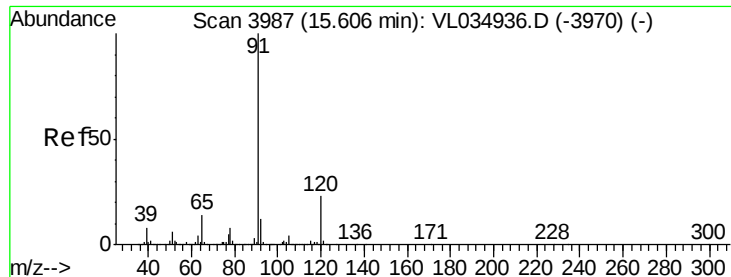
120 0.0 20.6 31.0#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

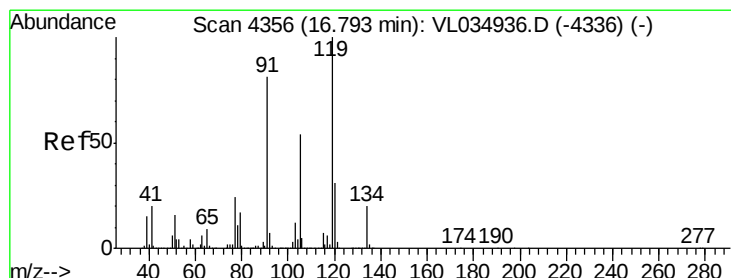
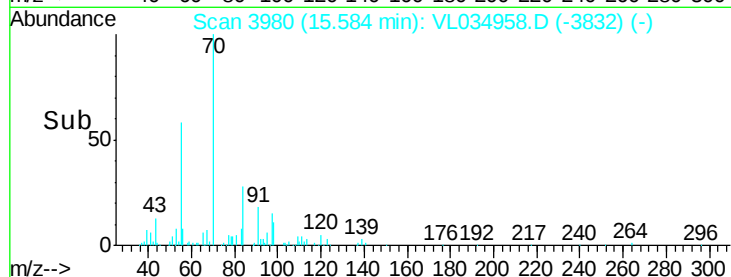
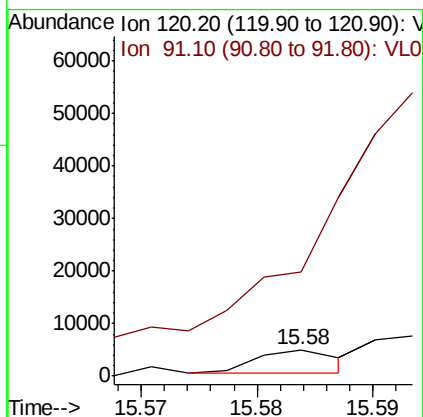
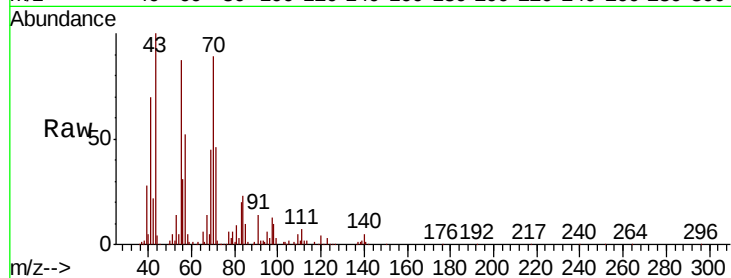




#64
n-propylbenzene
Concen: 0.021 ppbv
RT: 15.58 min Scan# 3980
Delta R.T. -0.02 min
Lab File: VL034958.D
Acq: 7 May 2020 6:47

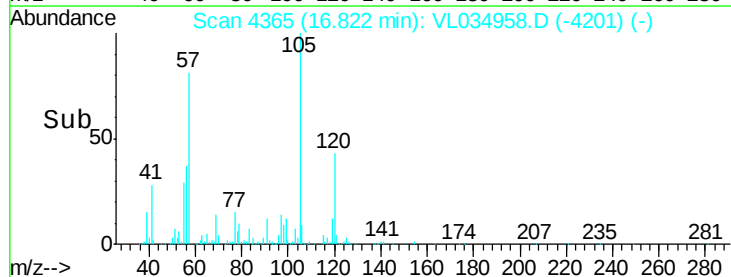
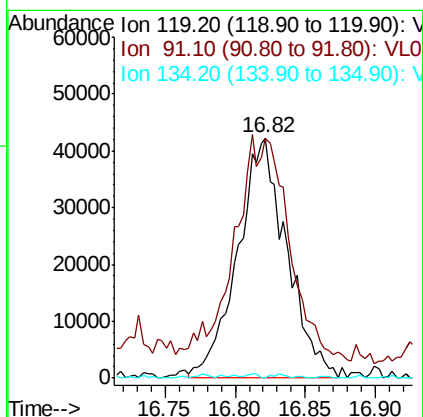
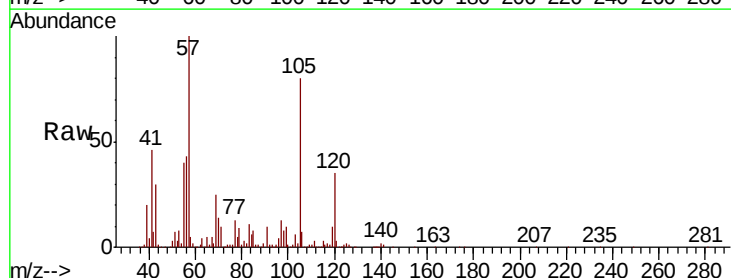
Instrument :
MSVOA_L
ClientSampleId :

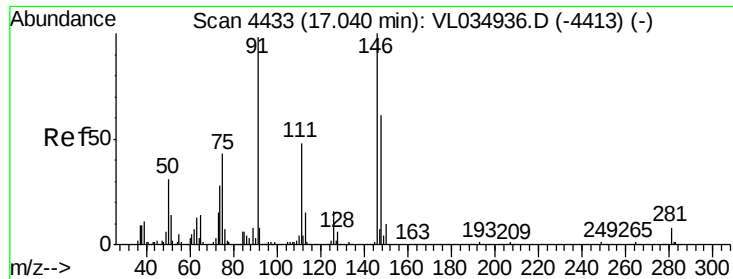
Tot Ion:120 Resp: 2114
Ion Ratio Lower Upper
120 100
91 406.5 373.5 560.3



#65
tert-Butylbenzene
Concen: 0.307 ppbv
RT: 16.82 min Scan# 4365
Delta R.T. 0.03 min
Lab File: VL034958.D
Acq: 7 May 2020 6:47

Tgt Ion:119 Resp: 102859
Ion Ratio Lower Upper
119 100
91 109.6 67.5 101.3#
134 2.0 16.1 24.1#

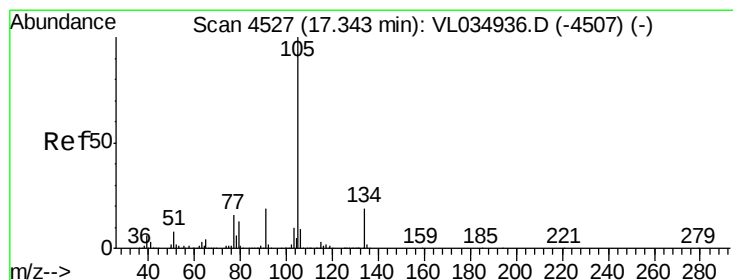
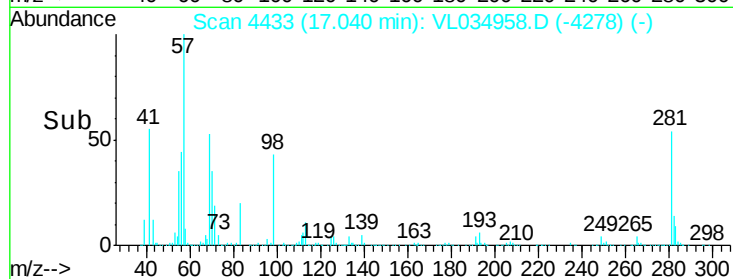
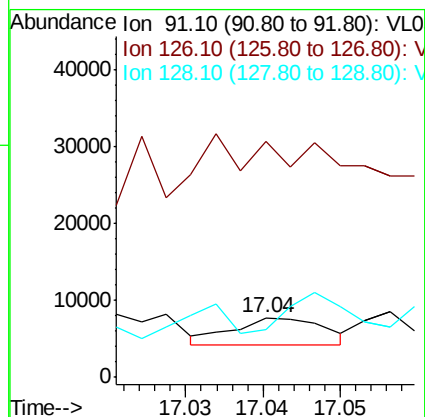
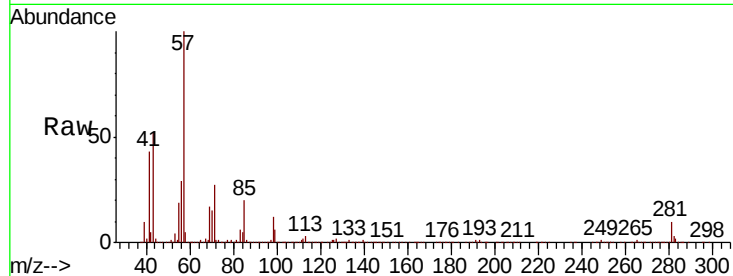




#66
Benzyl Chloride
Concen: 0.024 ppbv
RT: 17.04 min Scan# 4433
Delta R.T. -0.00 min
Lab File: VL034958.D
Acq: 7 May 2020 6:47

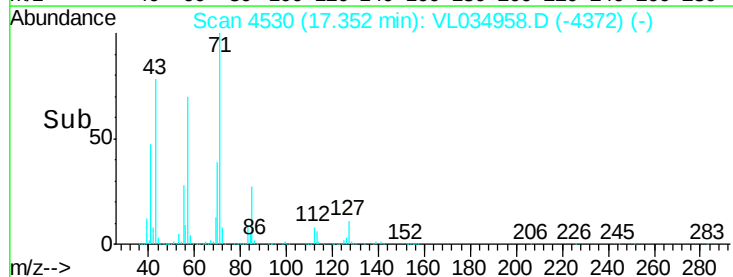
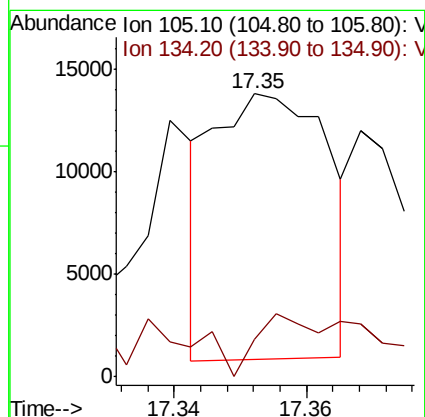
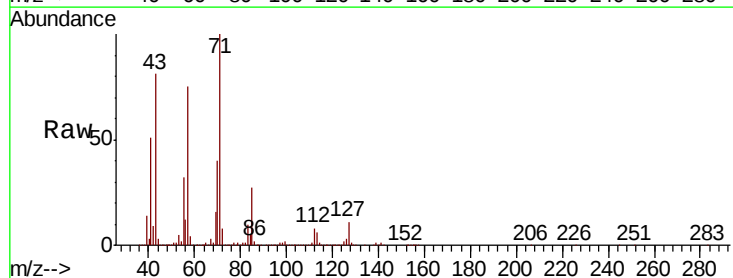
Instrument :
MSVOA_L
ClientSampled :

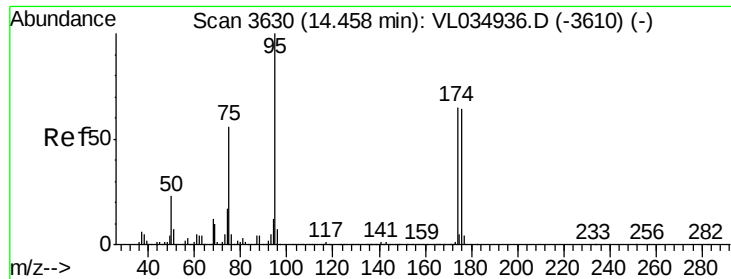
Tot Ion: 91 Resp: 2776
Ion Ratio Lower Upper
91 100
126 0.0 13.8 20.6#
128 1197.9 4.3 6.5#



#67
sec-Butylbenzene
Concen: 0.032 ppbv
RT: 17.35 min Scan# 4530
Delta R.T. 0.01 min
Lab File: VL034958.D
Acq: 7 May 2020 6:47

Tgt Ion: 105 Resp: 15549
Ion Ratio Lower Upper
105 100
134 44.5 14.8 22.2#

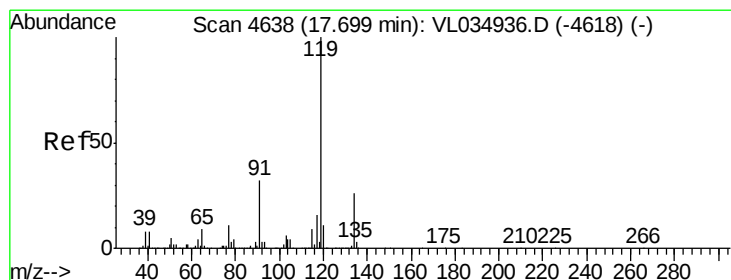
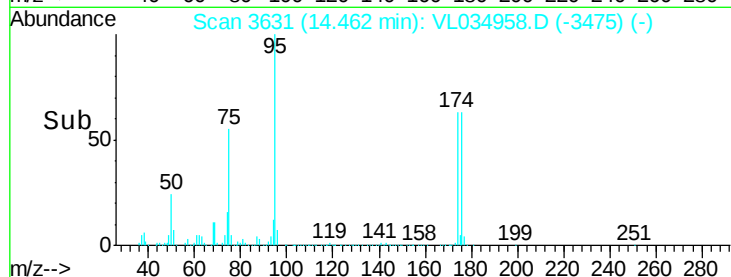
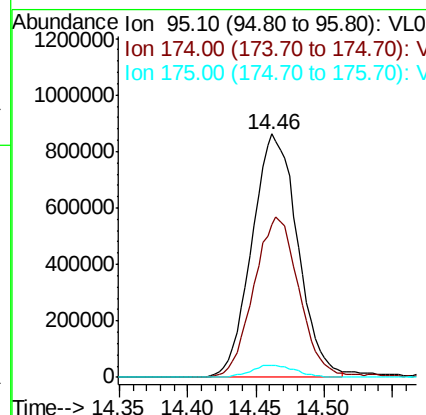
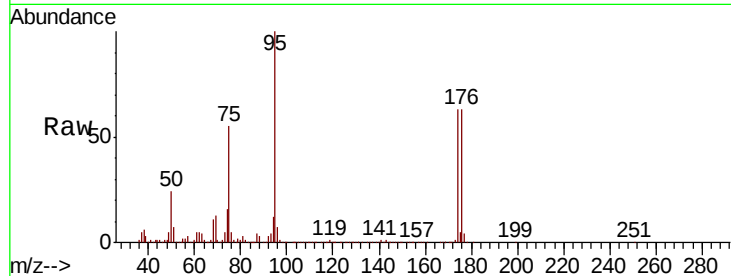




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.279 ppbv
 RT: 14.46 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VL034958.D
 Acq: 7 May 2020 6:47

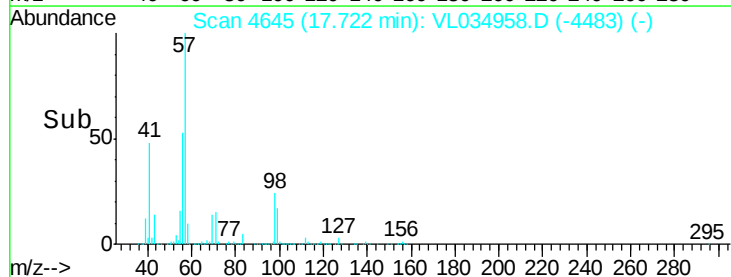
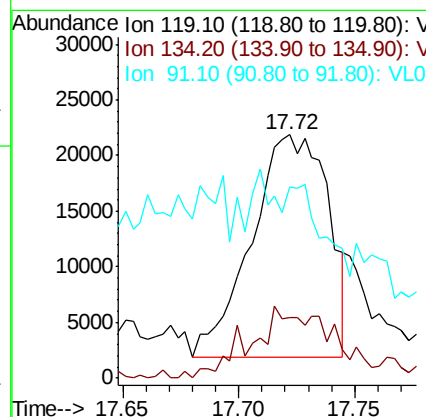
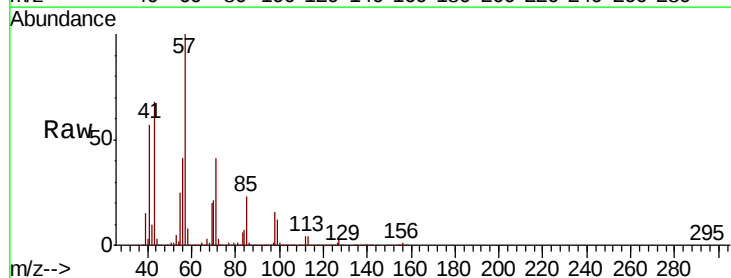
Instrument :
 MSVOA_L
 ClientSampled :

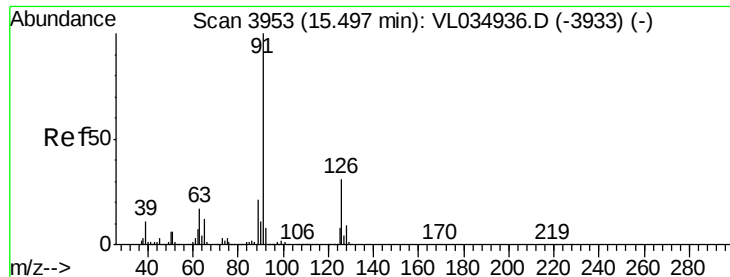
Tot Ion: 95 Resp: 2006985
 Ion Ratio Lower Upper
 95 100
 174 66.6 51.5 77.3
 175 5.0 3.8 5.8



#69
 p-Isopropyltoluene
 Concen: 0.118 ppbv
 RT: 17.72 min Scan# 4645
 Delta R.T. 0.02 min
 Lab File: VL034958.D
 Acq: 7 May 2020 6:47

Tgt Ion: 119 Resp: 45819
 Ion Ratio Lower Upper
 119 100
 134 37.9 20.3 30.5#
 91 101.0 24.6 36.8#

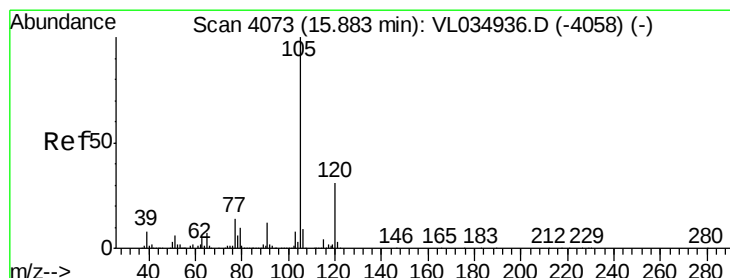
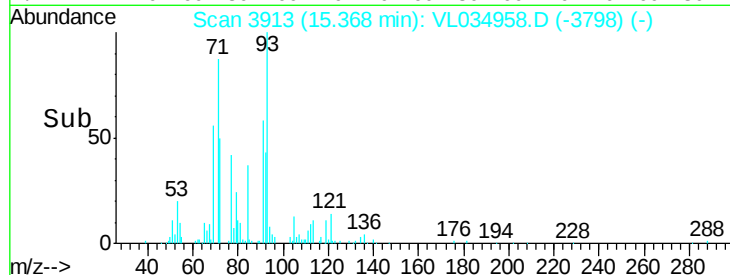
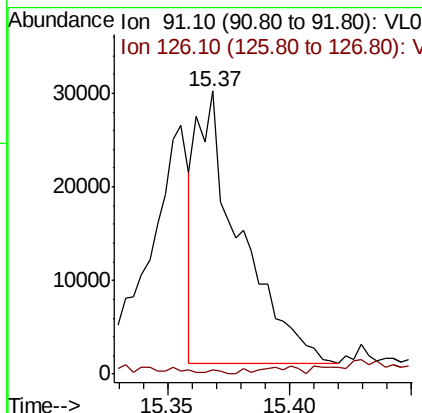
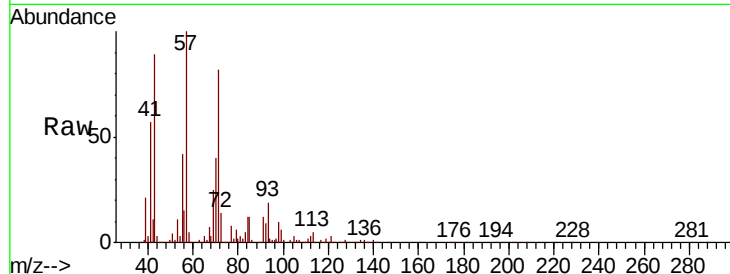




#71
2-Chlorotoluene
Concen: 0.124 ppbv
RT: 15.37 min Scan# 3913
Delta R.T. -0.13 min
Lab File: VL034958.D
Acq: 7 May 2020 6:47

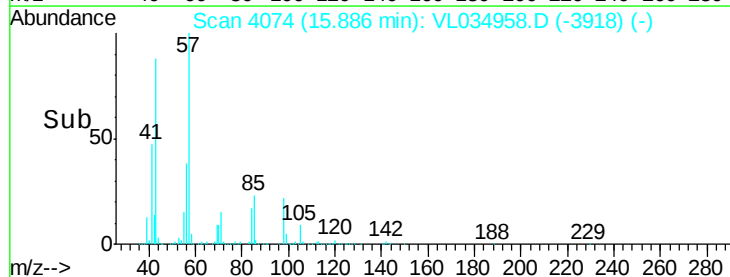
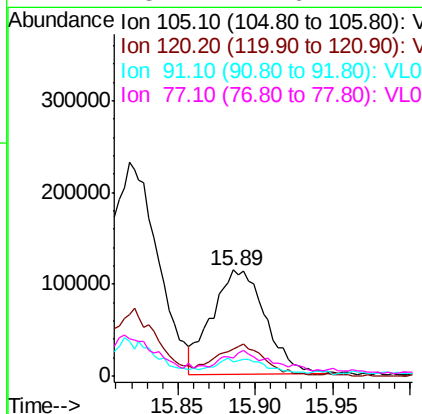
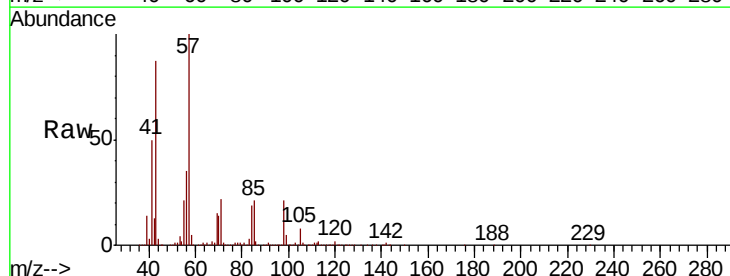
Instrument :
MSVOA_L
ClientSampleId :

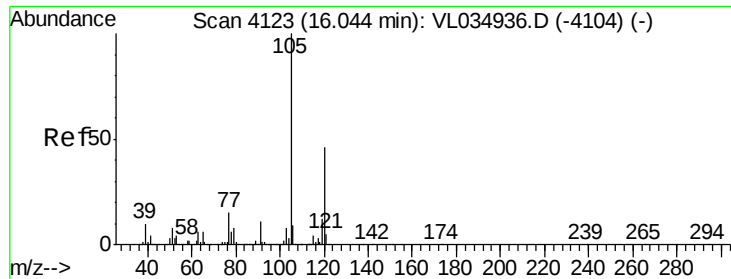
Tot Ion: 91 Resp: 36269
Ion Ratio Lower Upper
91 100
126 12.3 12.0 47.8



#72
4-Ethyltoluene
Concen: 0.938 ppbv
RT: 15.89 min Scan# 4074
Delta R.T. 0.00 min
Lab File: VL034958.D
Acq: 7 May 2020 6:47

Tgt Ion:105 Resp: 271034
Ion Ratio Lower Upper
105 100
120 30.3 23.8 35.8
91 16.7 10.6 15.8#
77 28.4 11.6 17.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.436 ppbv

RT: 16.05 min Scan# 4124

Delta R.T. 0.00 min

Lab File: VL034958.D

Acq: 7 May 2020 6:47

Instrument :

MSVOA_L

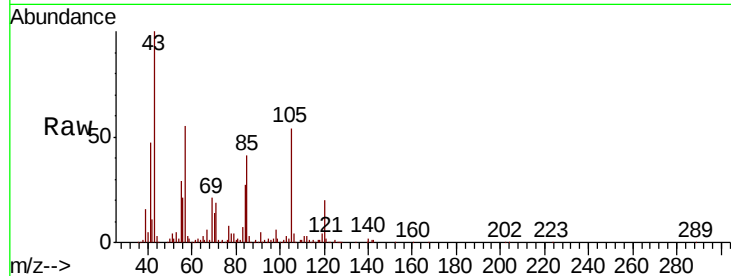
ClientSampleId :

Tot Ion:105 Resp: 122498

Ion Ratio Lower Upper

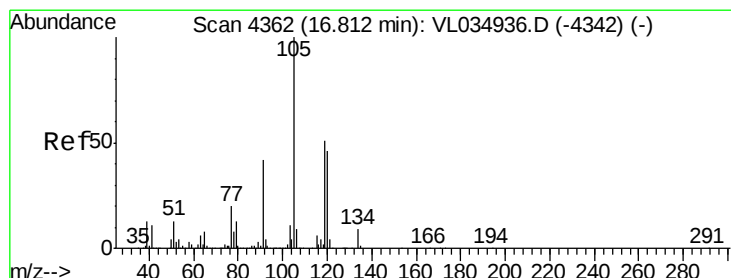
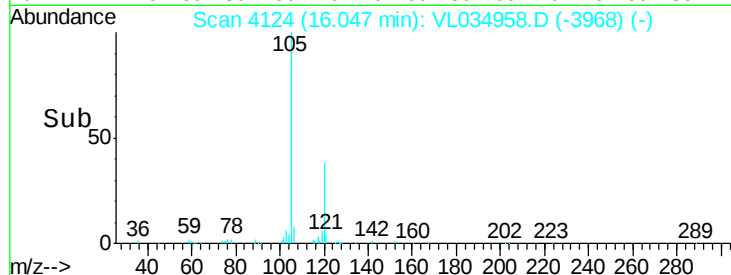
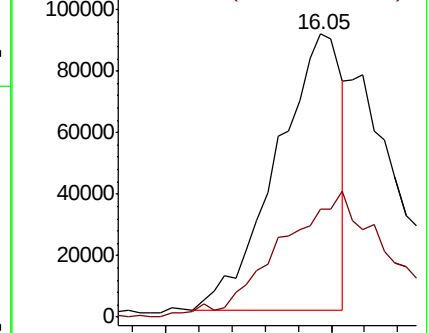
105 100

120 36.9 36.4 54.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 1.384 ppbv

RT: 16.82 min Scan# 4365

Delta R.T. 0.01 min

Lab File: VL034958.D

Acq: 7 May 2020 6:47

Tgt Ion:105 Resp: 424804

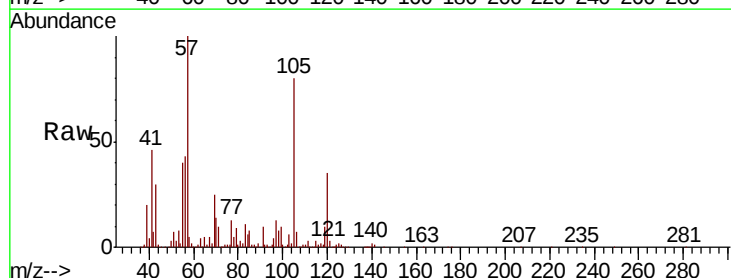
Ion Ratio Lower Upper

105 100

120 43.0 36.8 55.2

91 11.5 35.4 53.0#

77 14.0 16.2 24.2#

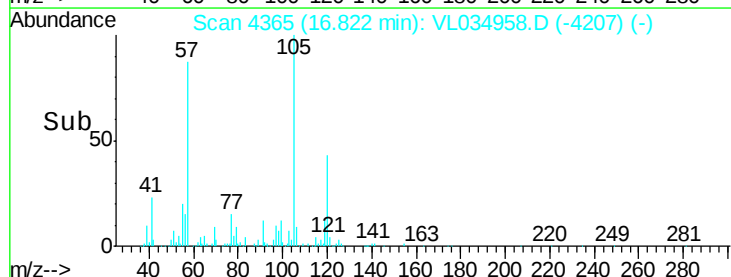
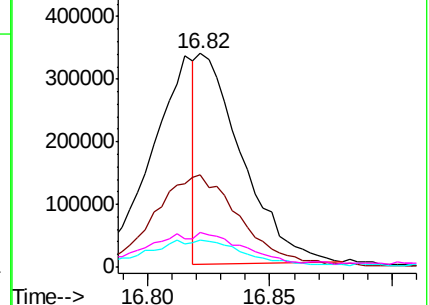


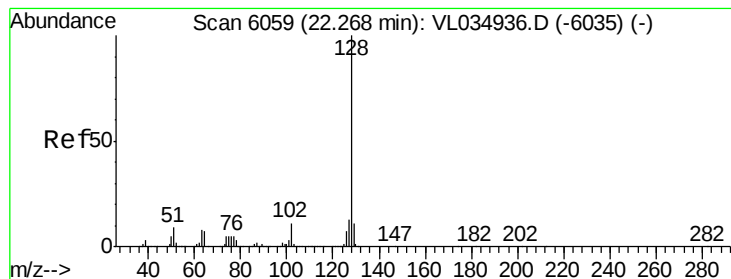
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#79

Naphthalene

Concen: 0.031 ppbv

RT: 22.28 min Scan# 6063

Delta R.T. 0.01 min

Lab File: VL034958.D

Acq: 7 May 2020 6:47

Instrument :

MSVOA_L

ClientSampleId :

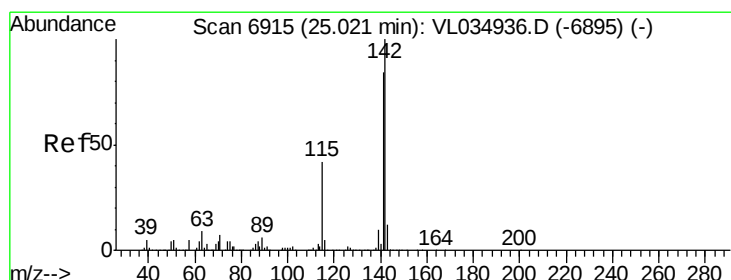
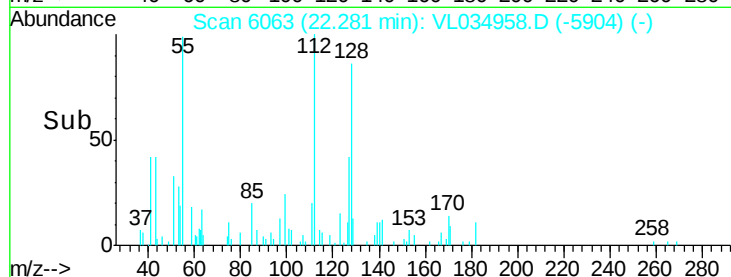
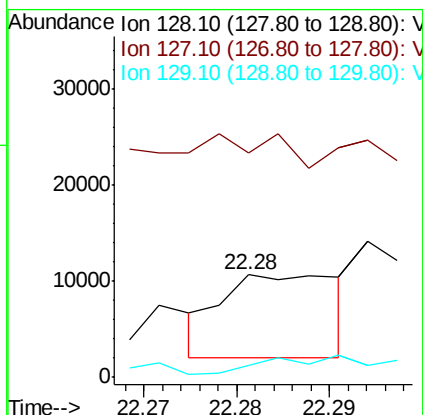
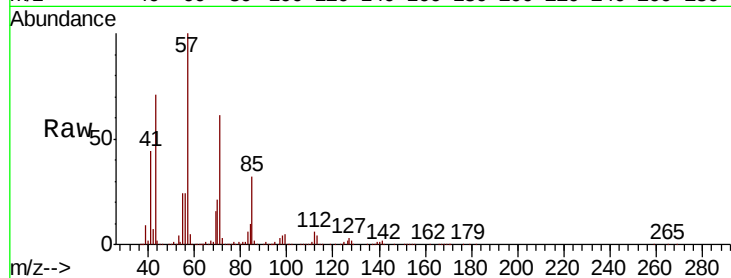
Tot Ion:128 Resp: 7516

Ion Ratio Lower Upper

128 100

127 2.1 10.5 15.7#

129 18.7 9.0 13.4#



#80

Naphthalene, 2-methyl-

Concen: 0.059 ppbv

RT: 25.05 min Scan# 6924

Delta R.T. 0.03 min

Lab File: VL034958.D

Acq: 7 May 2020 6:47

Tgt Ion:142 Resp: 3473

Ion Ratio Lower Upper

142 100

141 399.7 68.6 102.8#

115 21.2 33.9 50.9#

