

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037074.D
 Acq On : 1 Jun 2021 17:41
 Operator : SY/AP
 Sample : M2559-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 02 03:01:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1582975	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4689660	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4324558	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3411733	10.50	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%

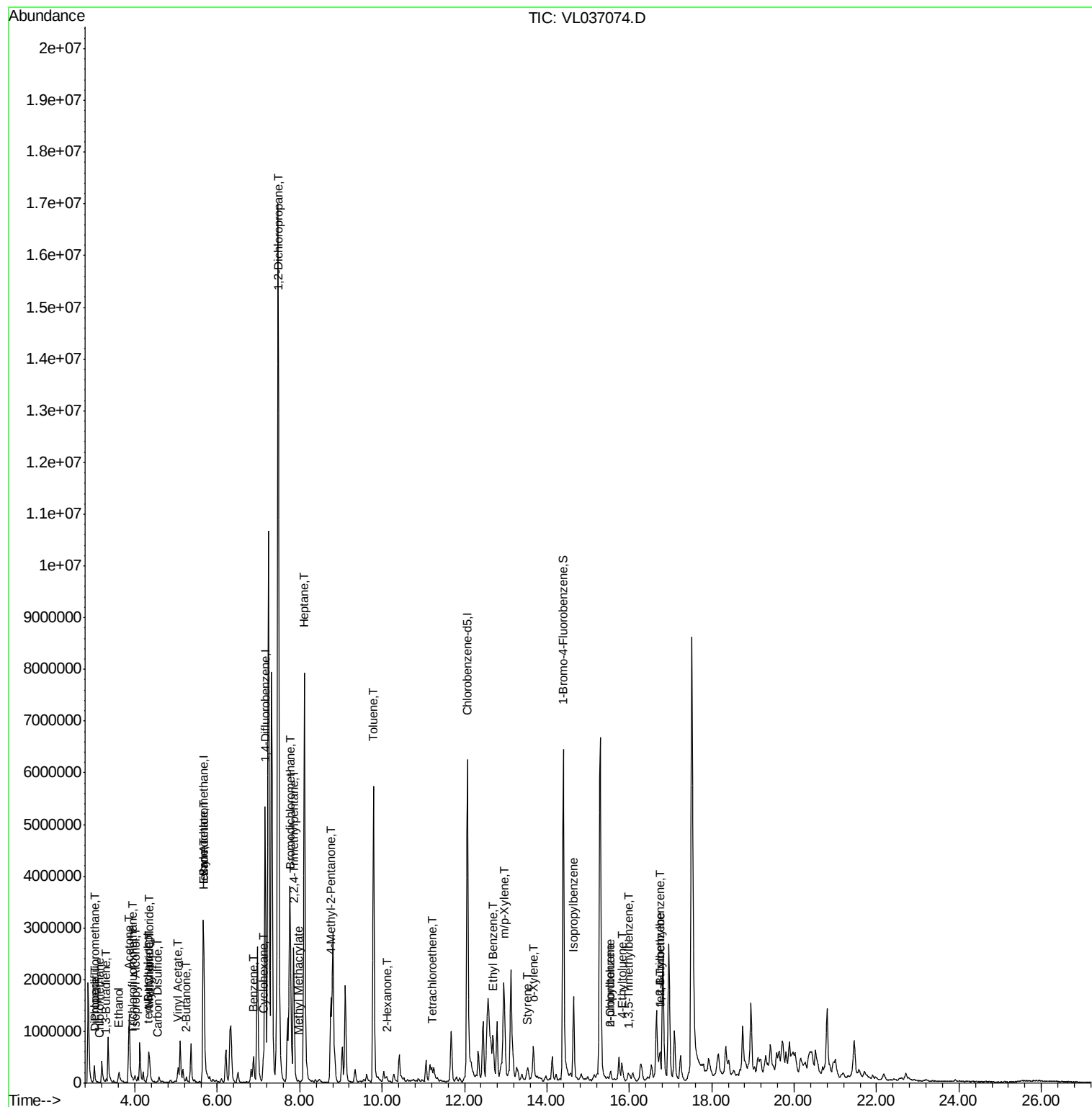
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	12618	0.047	ppbv	93
4) Chloromethane	3.13	50	3077	0.031	ppbv #	70
9) Propene	3.01	41	101999	0.982	ppbv #	80
10) Heptane	8.11	43	4035002	15.591	ppbv	99
11) Trichlorofluoromethane	3.94	101	17499	0.070	ppbv #	77
13) Ethanol	3.61	45	332878	24.025	ppbv	99
15) Acetone	3.85	43	1235226	7.618	ppbv	92
16) 1,3-Butadiene	3.31	39	3065	0.030	ppbv #	10
17) tert-Butyl alcohol	4.31	59	89031	0.599	ppbv #	88
19) Isopropyl Alcohol	3.99	45	16208	0.186	ppbv #	30
20) Methylene Chloride	4.33	84	228567	2.630	ppbv	97
21) Allyl Chloride	4.36	41	31846	0.260	ppbv #	1
23) Vinyl Acetate	5.05	43	166063	0.645	ppbv #	9
25) Ethyl Acetate	5.67	43	438873	1.126	ppbv #	80
26) Hexane	5.68	57	596639	2.998	ppbv #	47
27) Carbon Disulfide	4.54	76	18910	0.094	ppbv #	93
30) Cyclohexane	7.11	84	176792	1.045	ppbv #	72
34) 2-Butanone	5.24	43	131596	0.771	ppbv #	89
36) Benzene	6.88	78	441917	1.094	ppbv	98
39) 1,2-Dichloropropane	7.48	63	13099	0.084	ppbv #	1
42) Bromodichloromethane	7.78	83	175964	0.581	ppbv #	26
43) Methyl Methacrylate	7.97	69	5837	0.042	ppbv #	1
44) 2,2,4-Trimethylpentane	7.86	57	458844	0.662	ppbv #	1
50) 4-Methyl-2-Pentanone	8.74	43	126172	0.448	ppbv #	52
51) 2-Hexanone	10.12	43	9282	0.062	ppbv #	27
52) Tetrachloroethene	11.21	164	28240	0.176	ppbv	91
53) Toluene	9.79	91	5076440	10.562	ppbv	100
58) Ethyl Benzene	12.70	91	709145	1.162	ppbv	99
59) m/p-Xylene	12.95	91	1898464	3.763	ppbv	97
60) o-Xylene	13.67	91	458157	0.952	ppbv	98
61) Styrene	13.51	104	33614	0.124	ppbv #	1
62) Isopropylbenzene	14.65	105	1538006	2.224	ppbv	97
64) n-propylbenzene	15.54	120	22769	0.128	ppbv #	1
65) tert-Butylbenzene	16.73	119	18864	0.030	ppbv #	20
71) 2-Chlorotoluene	15.55	91	184123	0.369	ppbv #	42
72) 4-Ethyltoluene	15.82	105	218530	0.383	ppbv	97
73) 1,3,5-Trimethylbenzene	15.99	105	41397	0.077	ppbv #	84
74) 1,2,4-Trimethylbenzene	16.75	105	147171	0.265	ppbv #	68

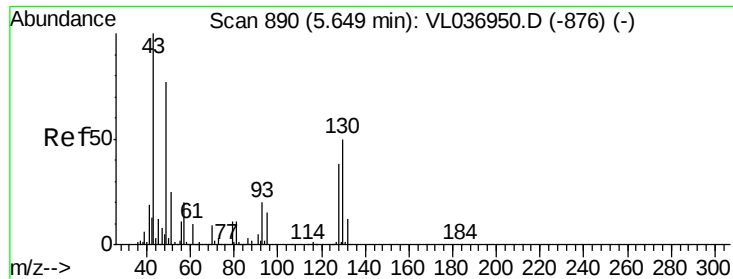
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037074.D

Acq: 1 Jun 2021 17:41

Instrument :

MSVOA_L

ClientSampleId :

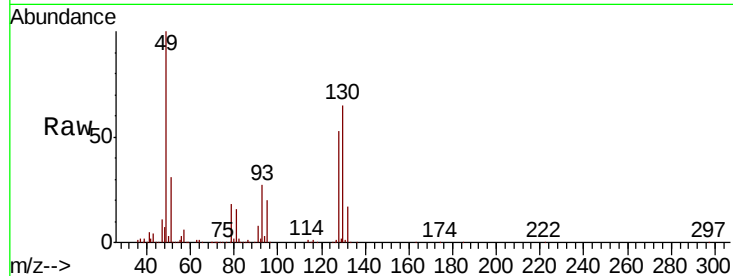
Tot Ion: 49 Resp: 1582975

Ion Ratio Lower Upper

49 100

128 55.1 26.9 80.7

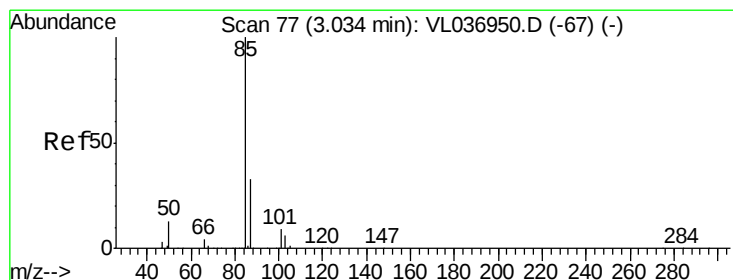
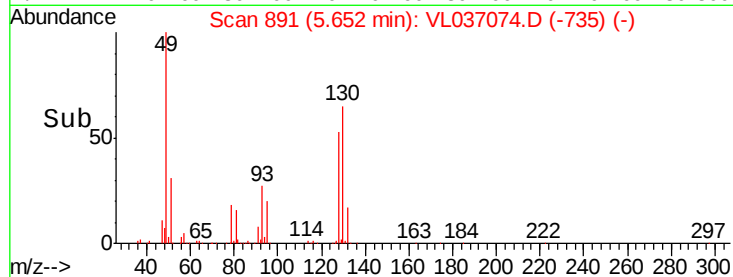
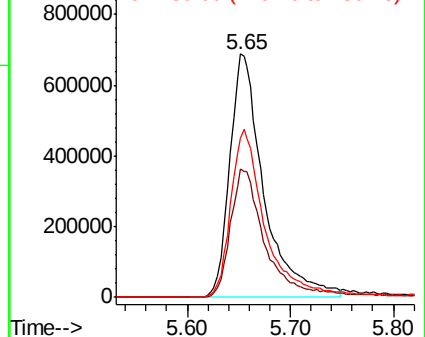
130 72.0 33.8 101.4



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: 0.047 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.01 min

Lab File: VL037074.D

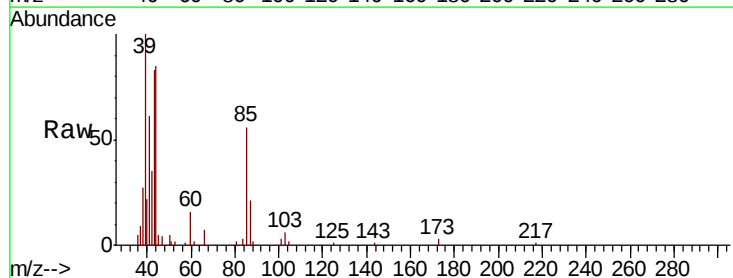
Acq: 1 Jun 2021 17:41

Tgt Ion: 85 Resp: 12618

Ion Ratio Lower Upper

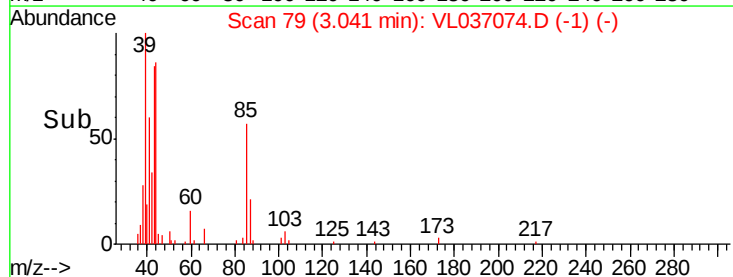
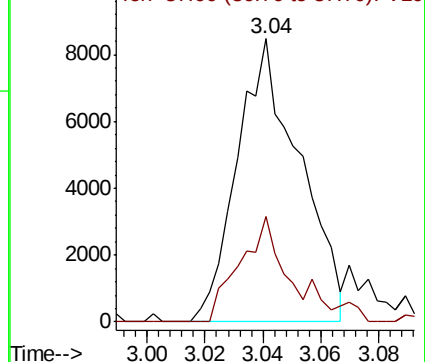
85 100

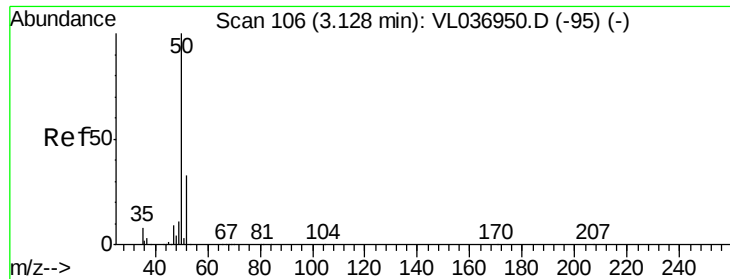
87 37.1 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.031 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.01 min

Lab File: VL037074.D

Acq: 1 Jun 2021 17:41

Instrument :

MSVOA_L

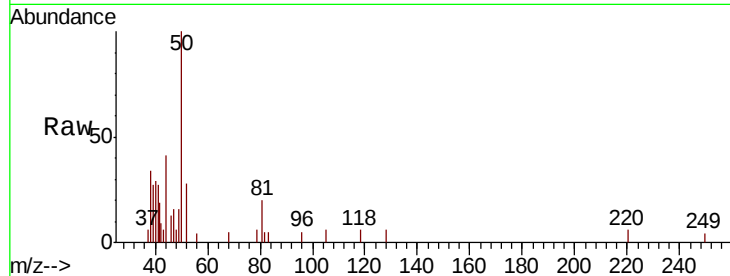
ClientSampleId :

Tot Ion: 50 Resp: 3077

Ion Ratio Lower Upper

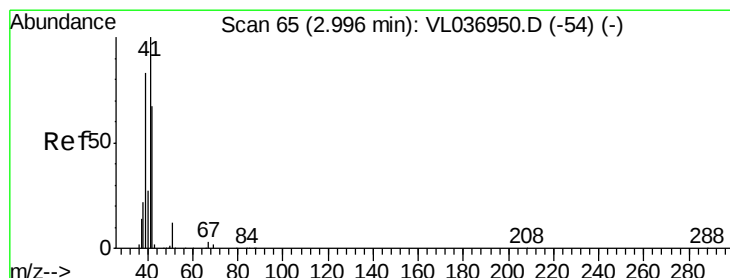
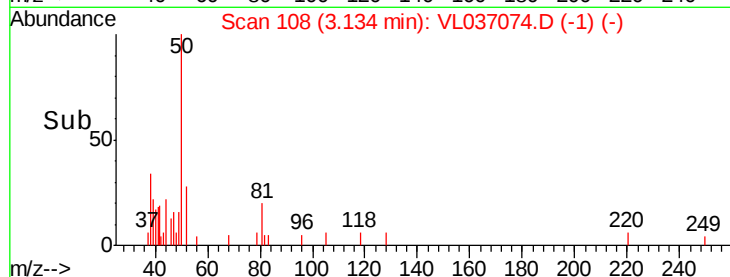
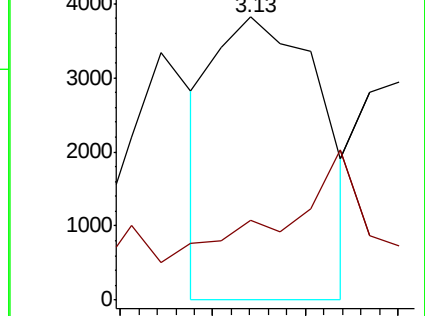
50 100

52 15.5 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.982 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.02 min

Lab File: VL037074.D

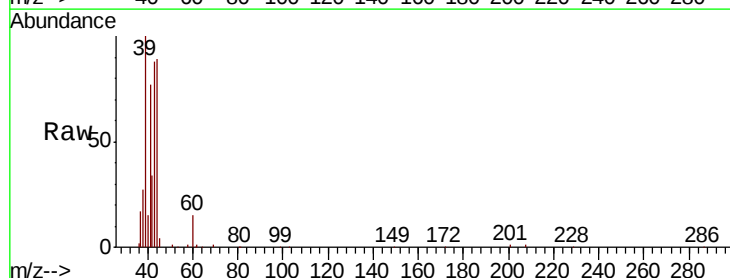
Acq: 1 Jun 2021 17:41

Tgt Ion: 41 Resp: 101999

Ion Ratio Lower Upper

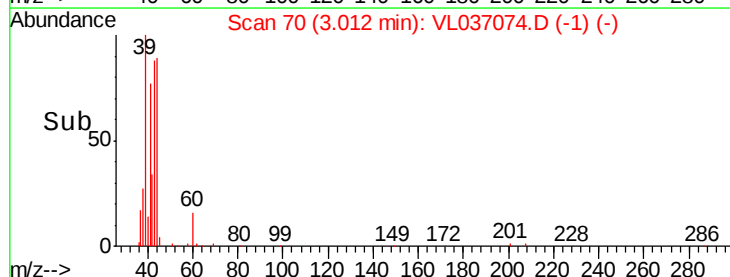
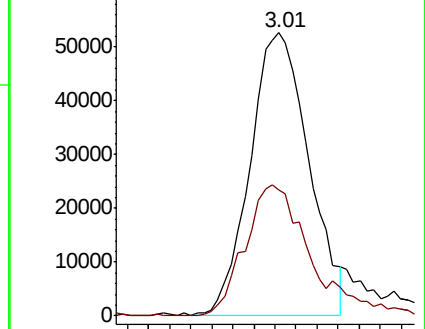
41 100

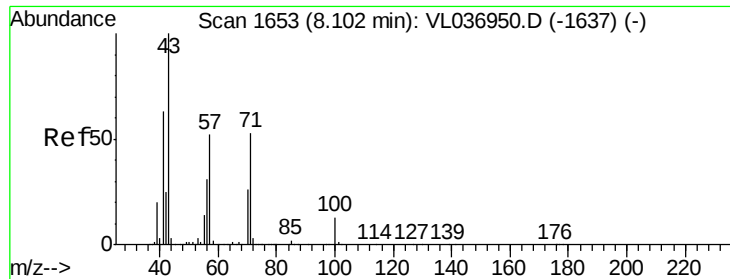
42 51.7 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

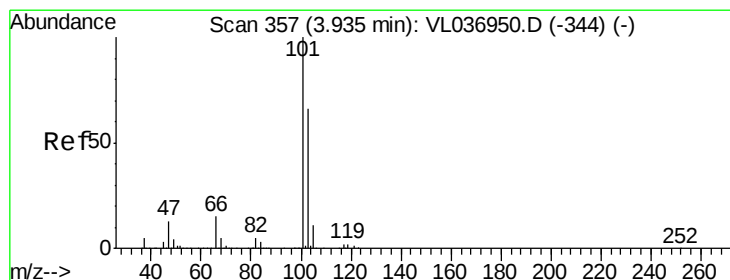
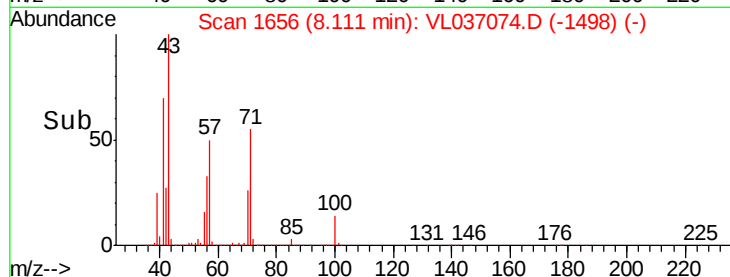
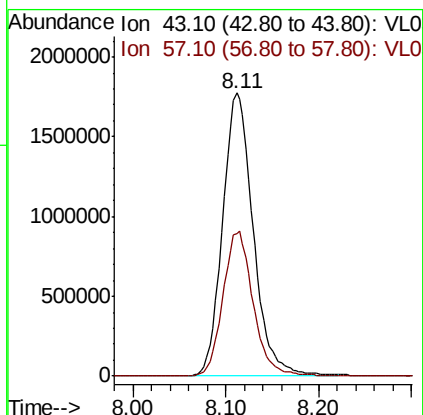
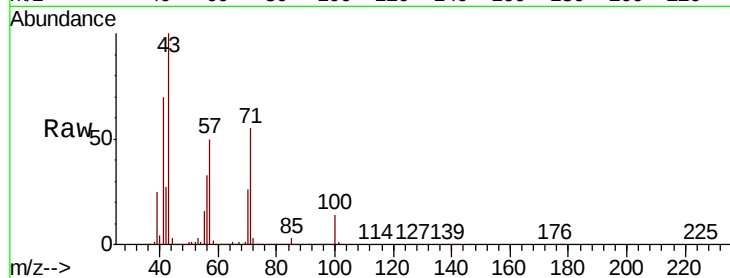




#10
Heptane
Concen: 15.591 ppbv
RT: 8.11 min Scan# 1656
Delta R.T. 0.01 min
Lab File: VL037074.D
Acq: 1 Jun 2021 17:41

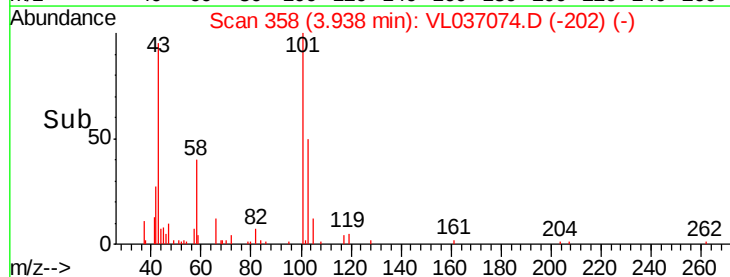
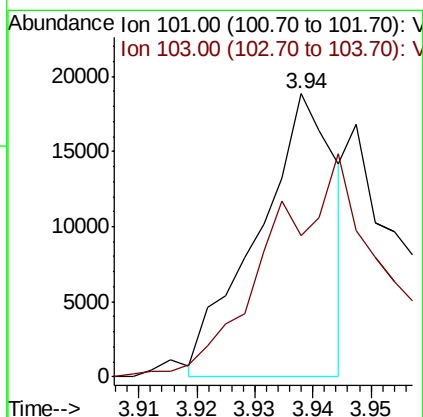
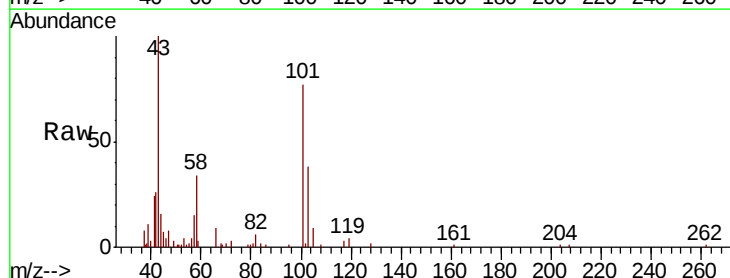
Instrument :
MSVOA_L
ClientSampleId :

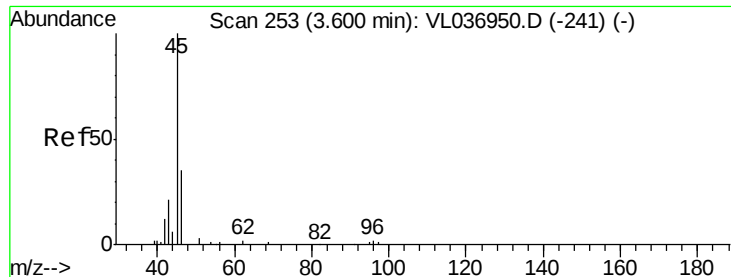
Tot Ion: 43 Resp: 4035002
Ion Ratio Lower Upper
43 100
57 50.8 41.0 61.6



#11
Trichlorofluoromethane
Concen: 0.070 ppbv
RT: 3.94 min Scan# 358
Delta R.T. 0.00 min
Lab File: VL037074.D
Acq: 1 Jun 2021 17:41

Tgt Ion: 101 Resp: 17499
Ion Ratio Lower Upper
101 100
103 47.2 52.6 79.0#





#13

Ethanol

Concen: 24.025 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.01 min

Lab File: VL037074.D

Acq: 1 Jun 2021 17:41

Instrument :

MSVOA_L

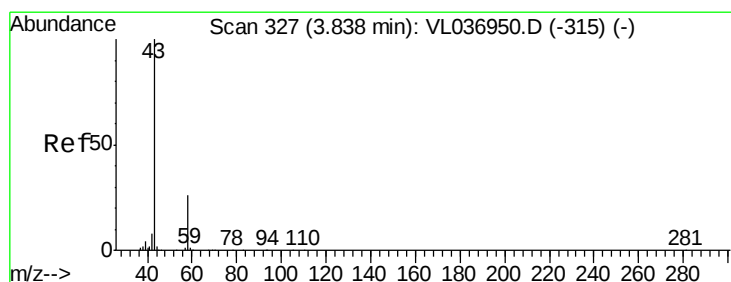
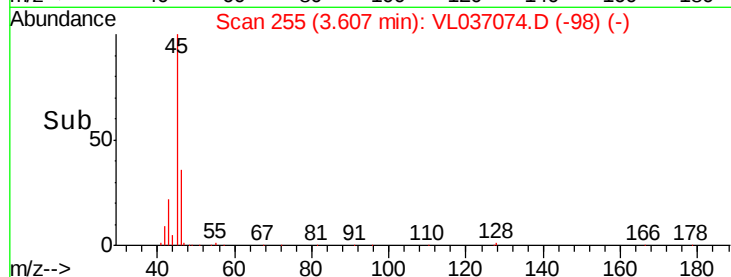
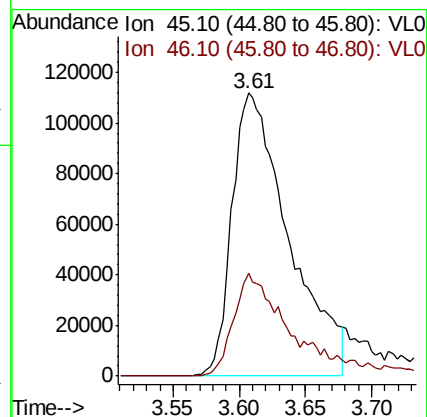
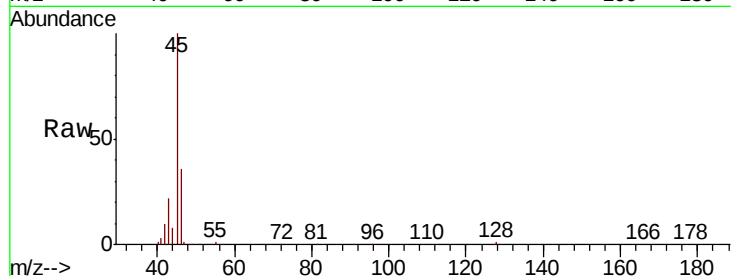
ClientSampleId :

Tot Ion: 45 Resp: 332878

Ion Ratio Lower Upper

45 100

46 40.3 16.3 65.3



#15

Acetone

Concen: 7.618 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.01 min

Lab File: VL037074.D

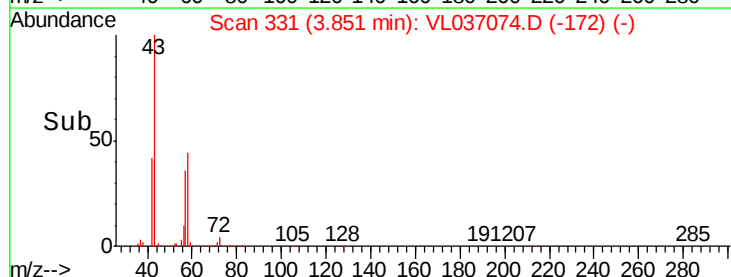
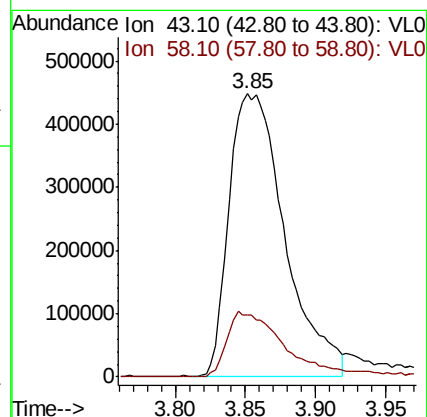
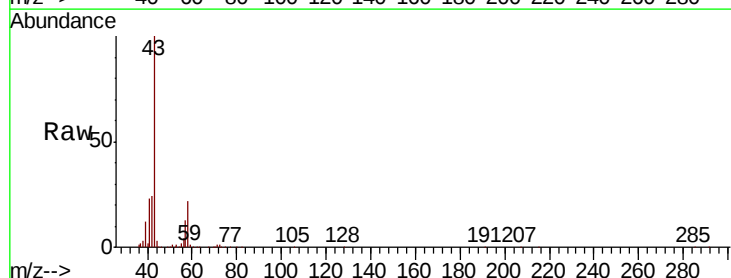
Acq: 1 Jun 2021 17:41

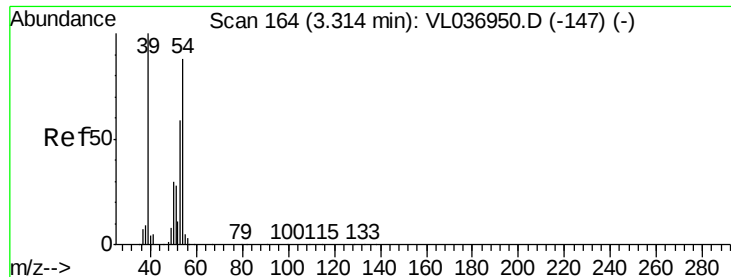
Tgt Ion: 43 Resp: 1235226

Ion Ratio Lower Upper

43 100

58 25.8 24.0 36.0

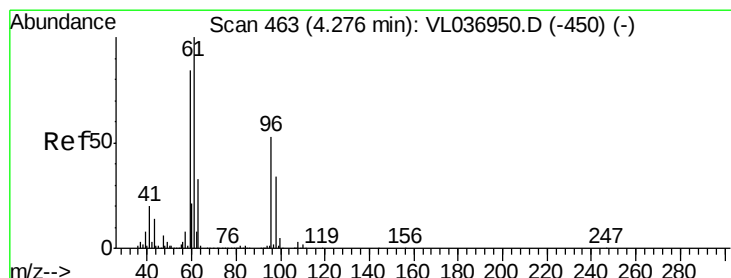
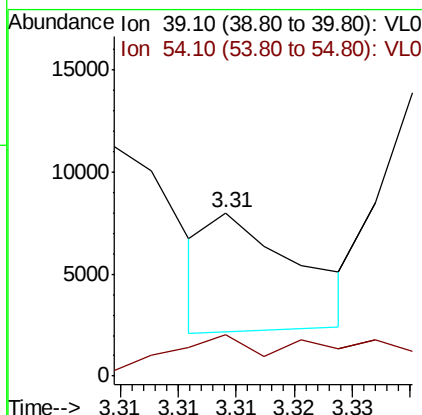
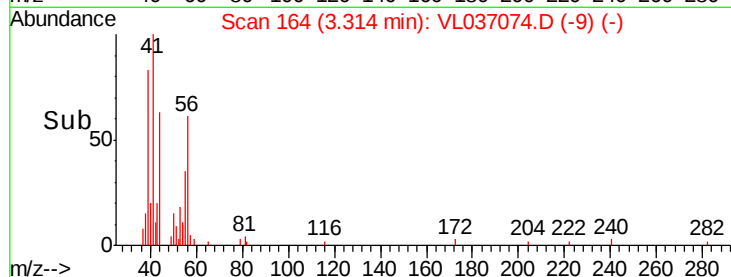
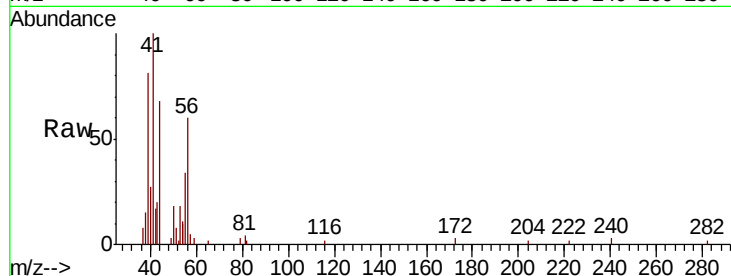




#16
 1,3-Butadiene
 Concen: 0.030 ppbv
 RT: 3.31 min Scan# 164
 Delta R.T. -0.00 min
 Lab File: VL037074.D
 Acq: 1 Jun 2021 17:41

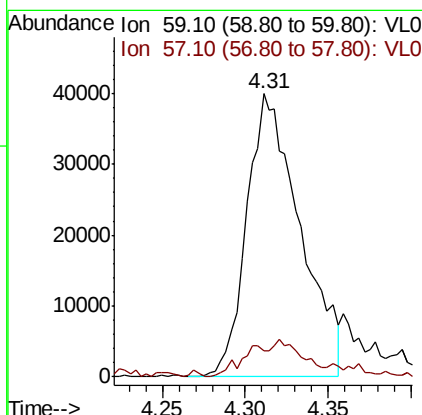
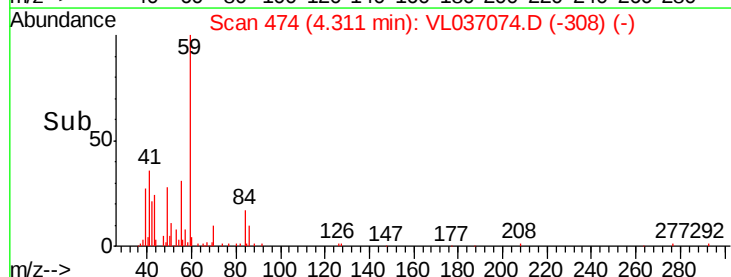
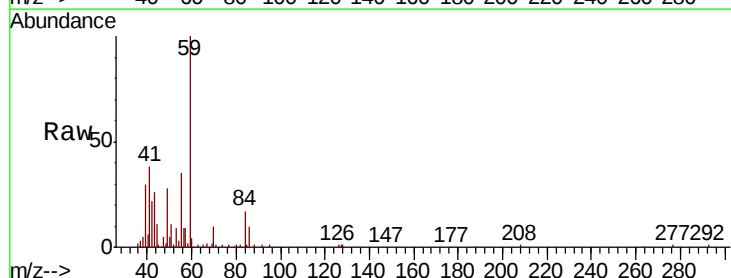
Instrument :
 MSVOA_L
 ClientSampleID :

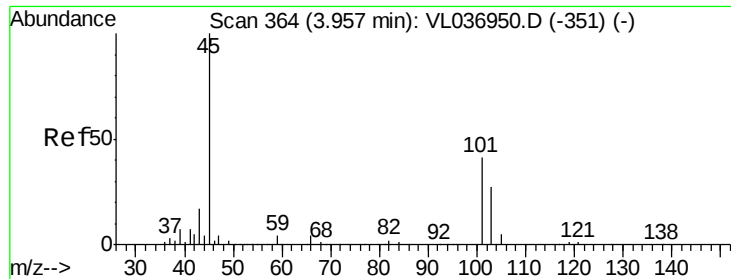
Tot Ion: 39 Resp: 3065
 Ion Ratio Lower Upper
 39 100
 54 0.0 63.2 94.8#



#17
 tert-Butyl alcohol
 Concen: 0.599 ppbv
 RT: 4.31 min Scan# 474
 Delta R.T. 0.04 min
 Lab File: VL037074.D
 Acq: 1 Jun 2021 17:41

Tgt Ion: 59 Resp: 89031
 Ion Ratio Lower Upper
 59 100
 57 14.9 8.3 12.5#





#19

Isopropyl Alcohol

Concen: 0.186 ppbv

RT: 3.99 min Scan# 375

Delta R.T. 0.04 min

Lab File: VL037074.D

Acq: 1 Jun 2021 17:41

Instrument :

MSVOA_L

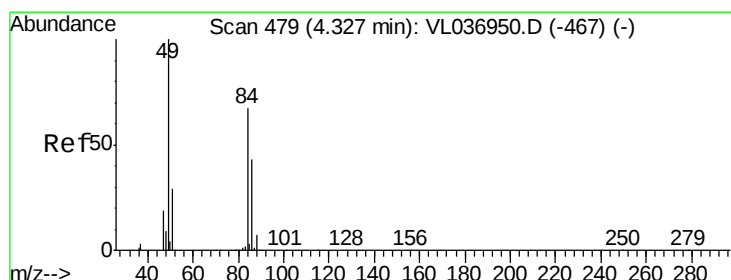
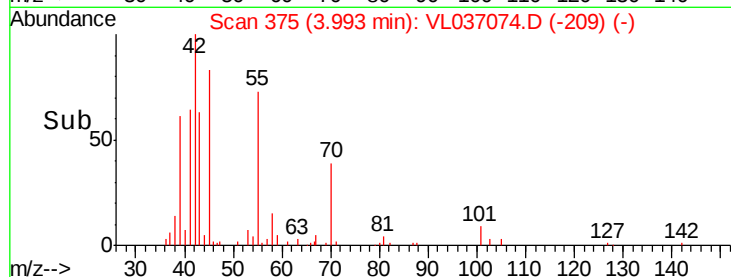
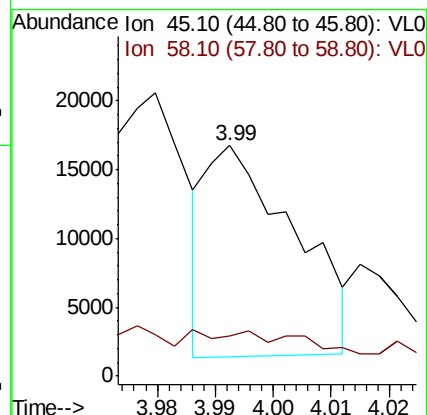
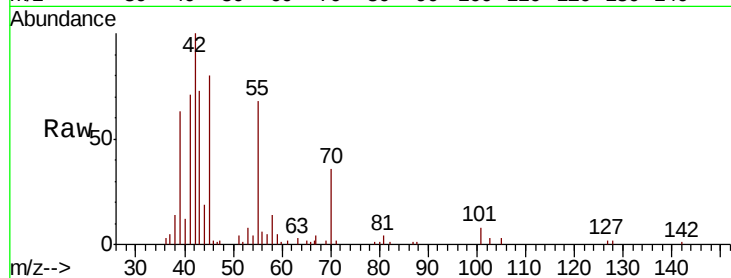
ClientSampleId :

Tot Ion: 45 Resp: 16208

Ion Ratio Lower Upper

45 100

58 0.0 37.2 55.8#



#20

Methylene Chloride

Concen: 2.630 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.01 min

Lab File: VL037074.D

Acq: 1 Jun 2021 17:41

Tgt Ion: 84 Resp: 228567

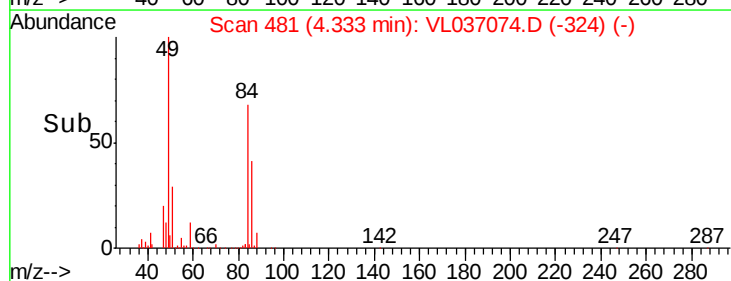
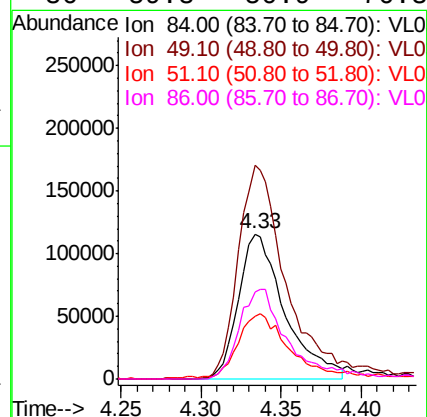
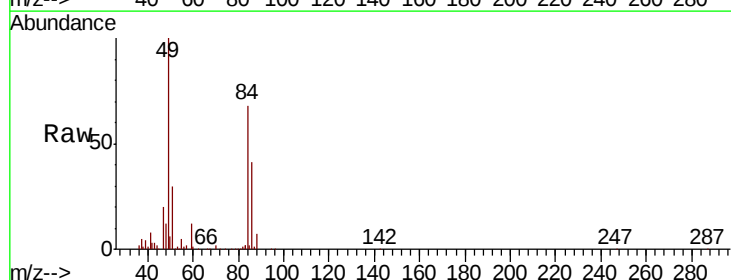
Ion Ratio Lower Upper

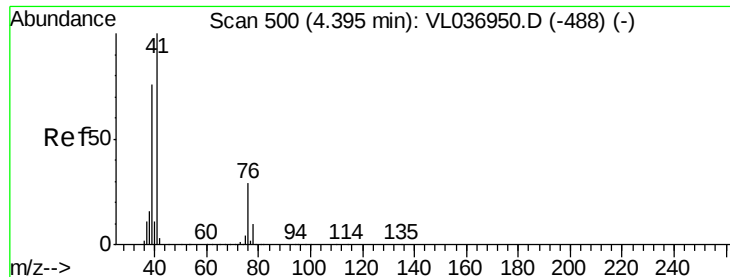
84 100

49 147.1 119.8 179.6

51 41.9 35.1 52.7

86 59.8 50.9 76.3





#21

Allvl Chloride

Concen: 0.260 ppbv

RT: 4.36 min Scan# 489

Delta R.T. -0.04 min

Lab File: VL037074.D

Acq: 1 Jun 2021 17:41

Instrument :
MSVOA_L
ClientSampleId :

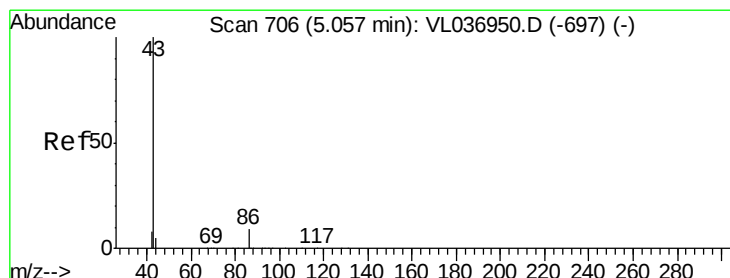
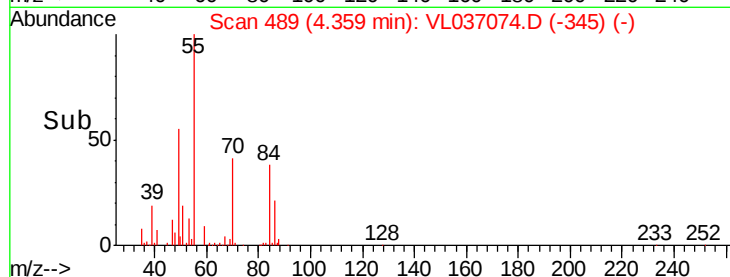
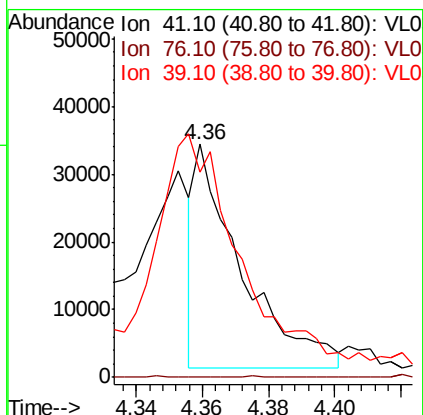
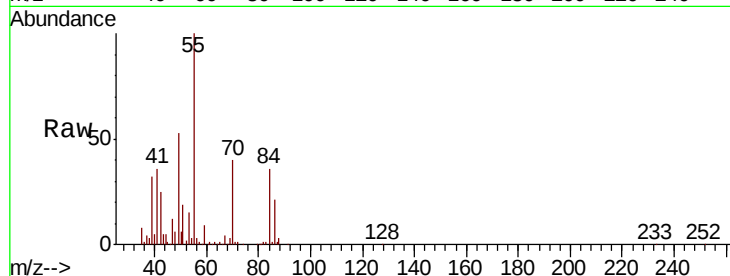
Tot Ion: 41 Resp: 31846

Ion Ratio Lower Upper

41 100

76 0.0 24.9 37.3#

39 199.2 63.7 95.5#



#23

Vinyl Acetate

Concen: 0.645 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.01 min

Lab File: VL037074.D

Acq: 1 Jun 2021 17:41

Tgt Ion: 43 Resp: 166063

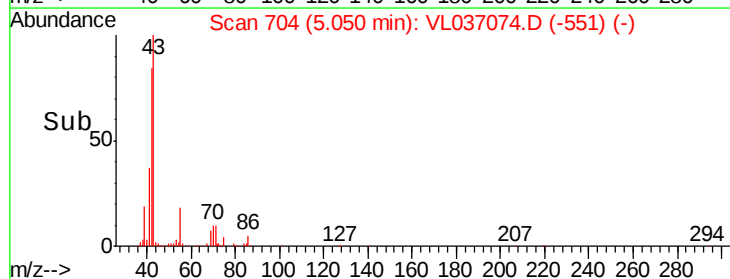
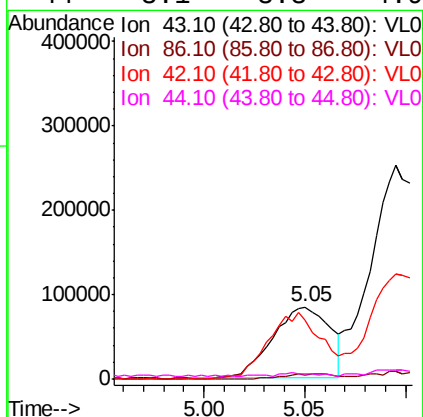
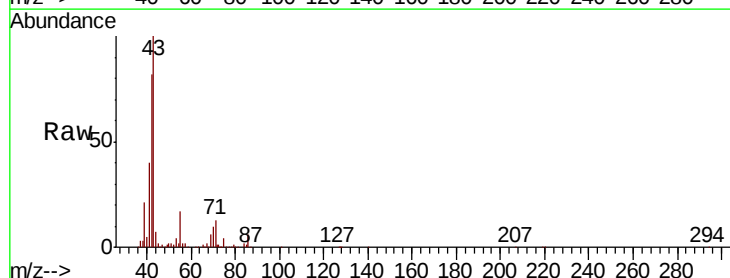
Ion Ratio Lower Upper

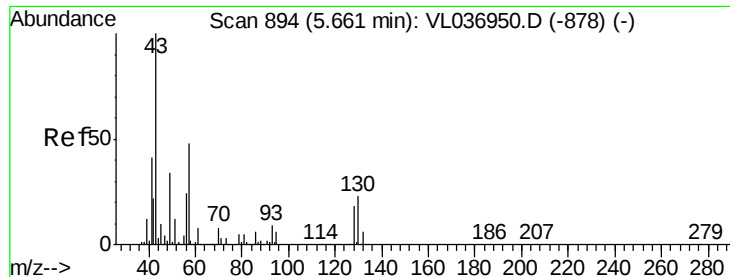
43 100

86 6.0 5.8 8.8

42 81.6 7.4 11.2#

44 3.1 3.3 4.9#

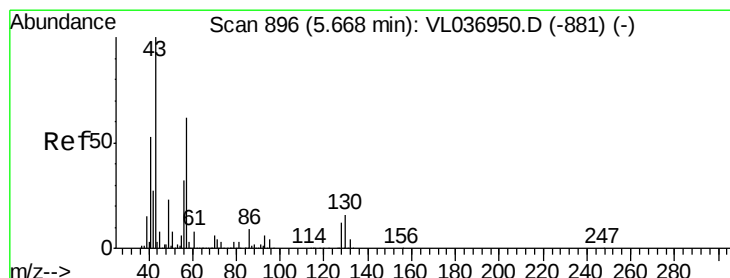
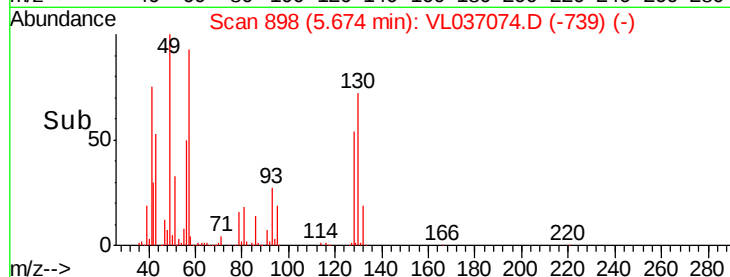
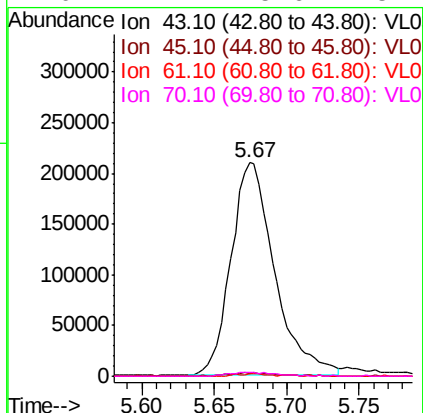
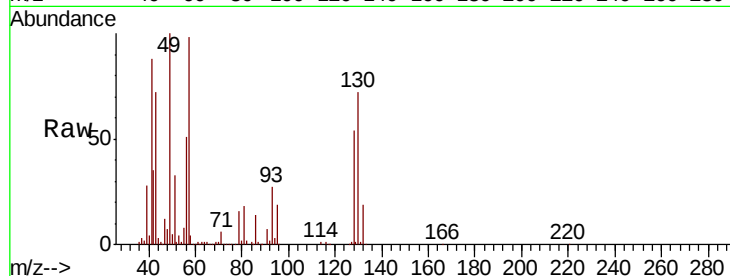




#25
Ethyl Acetate
Concen: 1.126 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037074.D
Acq: 1 Jun 2021 17:41

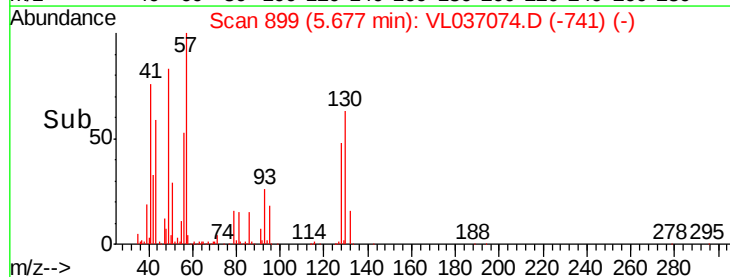
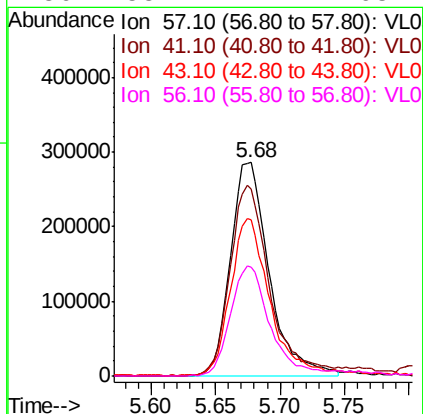
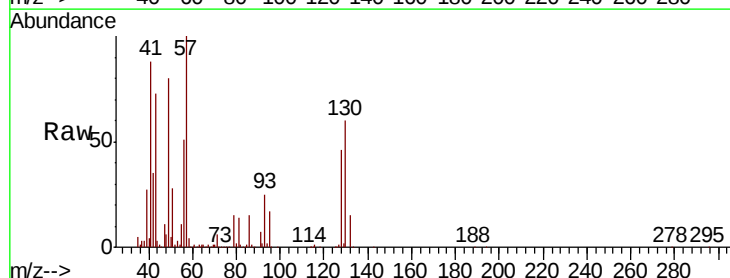
Instrument :
MSVOA_L
ClientSampleId :

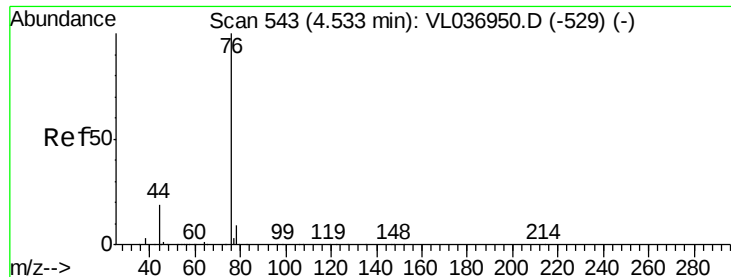
Tot Ion:	43	Resp:	438873
Ion	Ratio	Lower	Upper
43	100		
45	2.0	7.8	11.8#
61	1.1	7.8	11.8#
70	2.2	5.6	8.4#



#26
Hexane
Concen: 2.998 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL037074.D
Acq: 1 Jun 2021 17:41

Tgt Ion:	57	Resp:	596639
Ion	Ratio	Lower	Upper
57	100		
41	95.6	70.5	105.7
43	77.1	165.8	248.8#
56	55.4	42.2	63.4





#27

Carbon Disulfide

Concen: 0.094 ppbv

RT: 4.54 min Scan# 546

Delta R.T. 0.01 min

Lab File: VL037074.D

Acq: 1 Jun 2021 17:41

Instrument :

MSVOA_L

ClientSampleId :

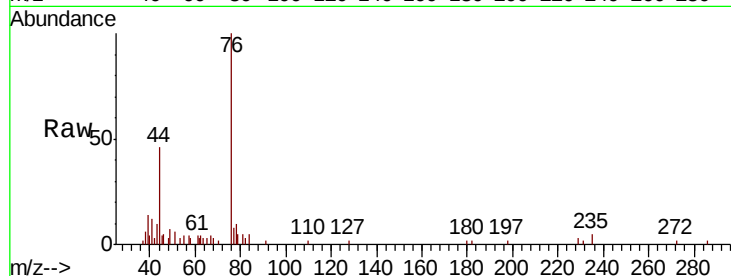
Tot Ion: 76 Resp: 18910

Ion Ratio Lower Upper

76 100

44 18.7 15.5 23.3

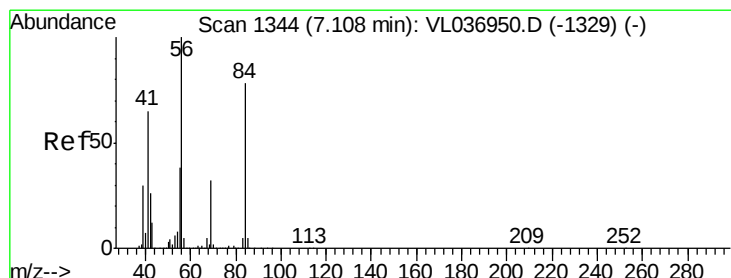
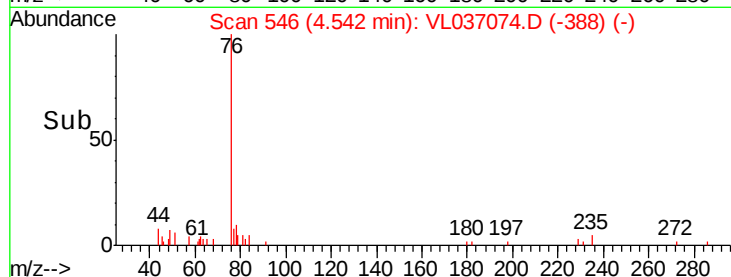
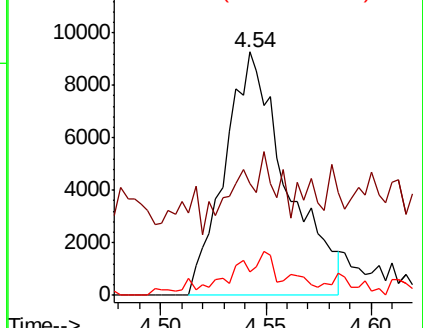
78 16.6 7.8 11.6#



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



#30

Cyclohexane

Concen: 1.045 ppbv

RT: 7.11 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VL037074.D

Acq: 1 Jun 2021 17:41

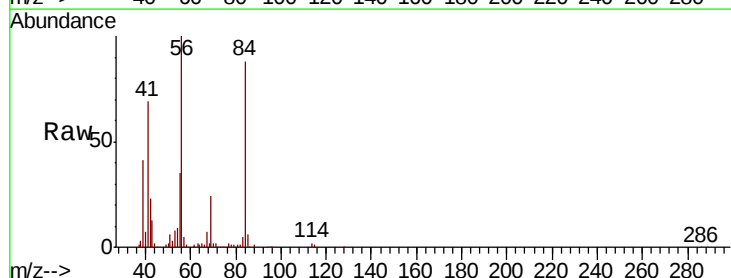
Tgt Ion: 84 Resp: 176792

Ion Ratio Lower Upper

84 100

56 183.0 107.9 161.9#

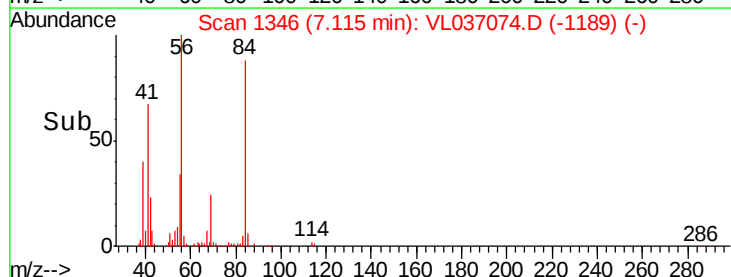
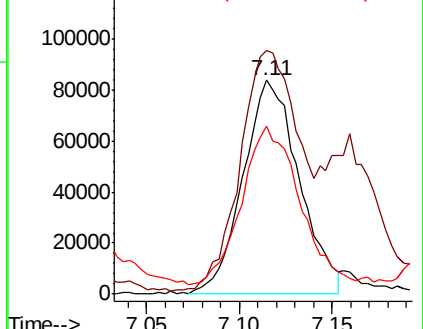
41 74.0 65.5 98.3

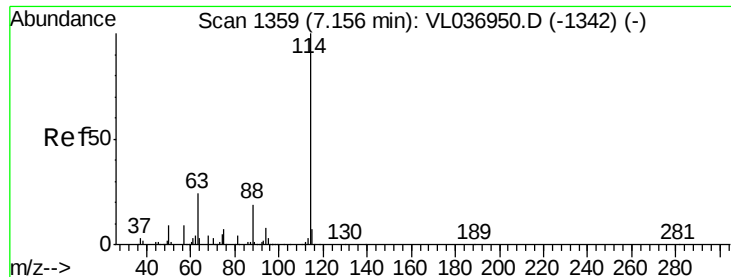


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

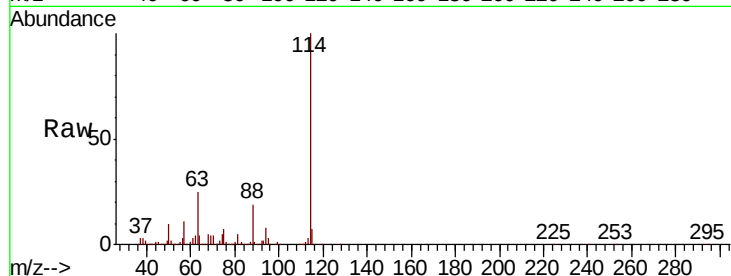




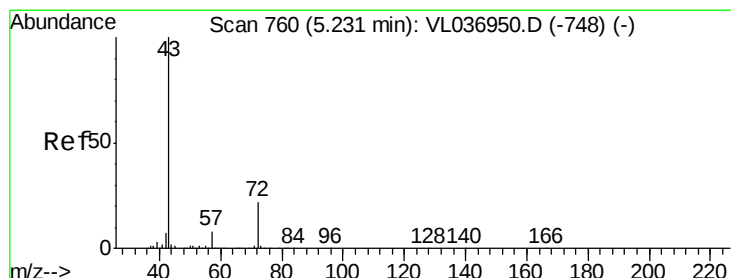
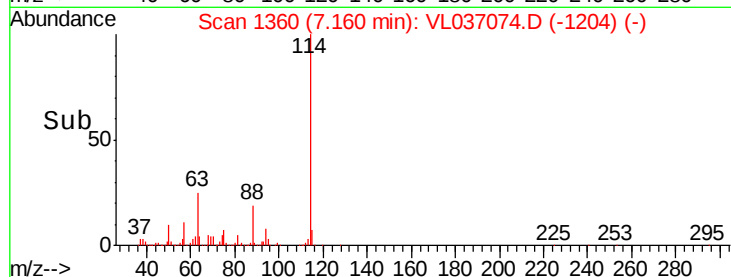
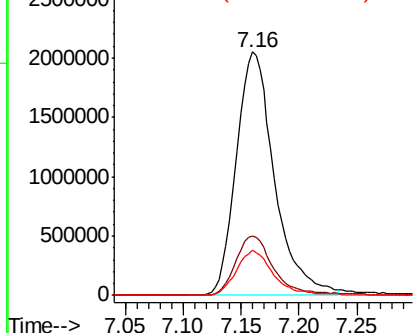
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037074.D
 Acq: 1 Jun 2021 17:41

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4689660
 Ion Ratio Lower Upper
 114 100
 63 24.9 19.6 29.4
 88 18.2 14.6 21.8

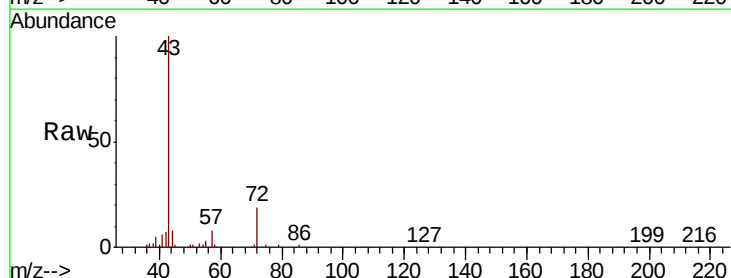


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

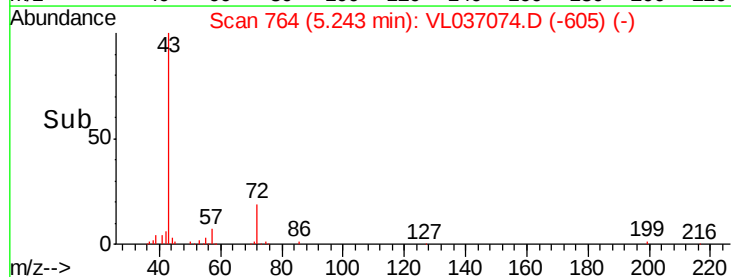
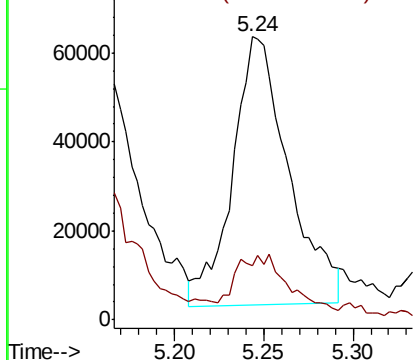


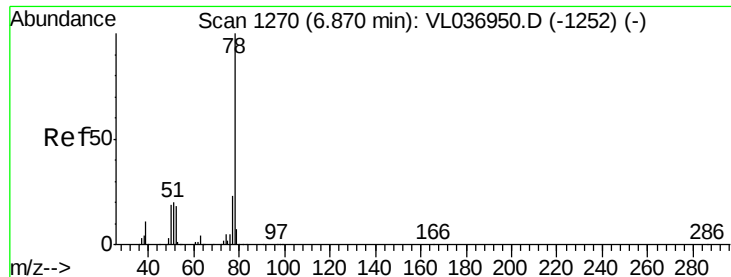
#34
 2-Butanone
 Concen: 0.771 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VL037074.D
 Acq: 1 Jun 2021 17:41

Tgt Ion: 43 Resp: 131596
 Ion Ratio Lower Upper
 43 100
 72 28.9 19.0 28.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

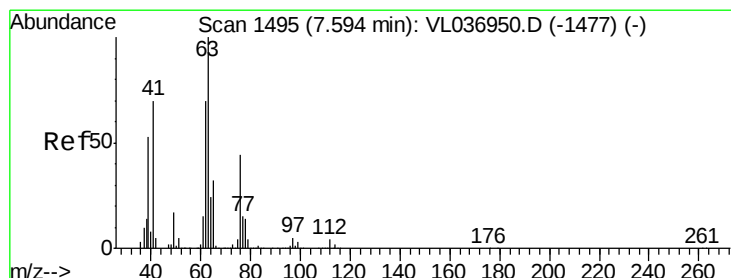
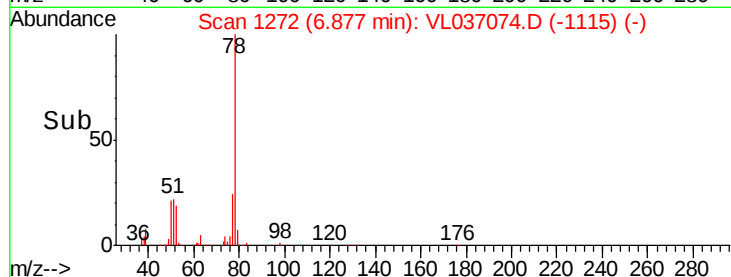
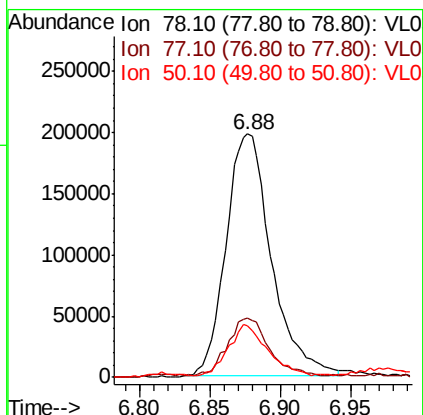
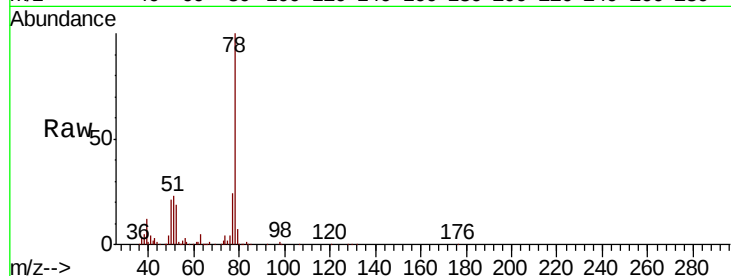




#36
Benzene
Concen: 1.094 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VL037074.D
Acq: 1 Jun 2021 17:41

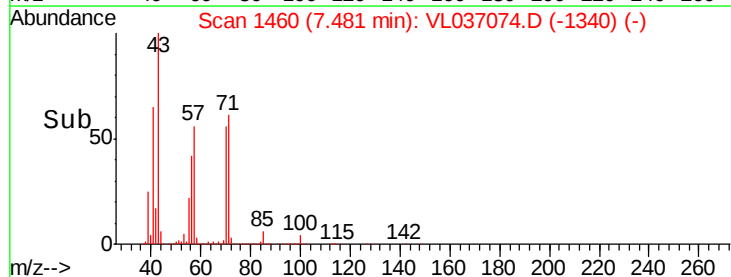
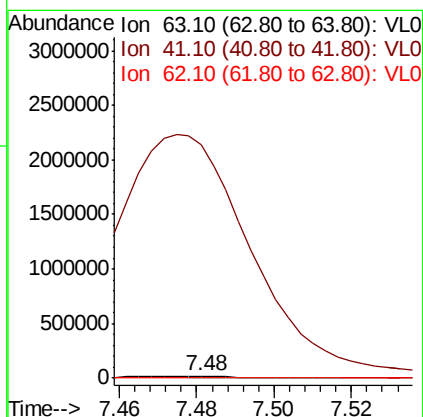
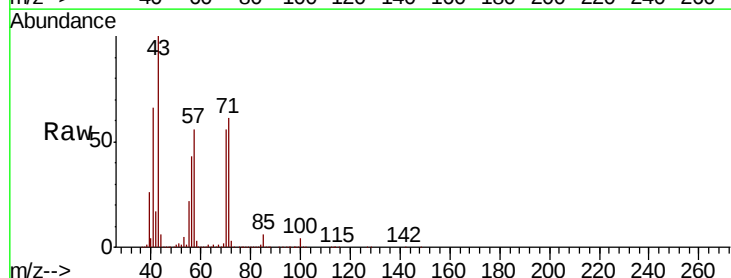
Instrument :
MSVOA_L
ClientSampled :

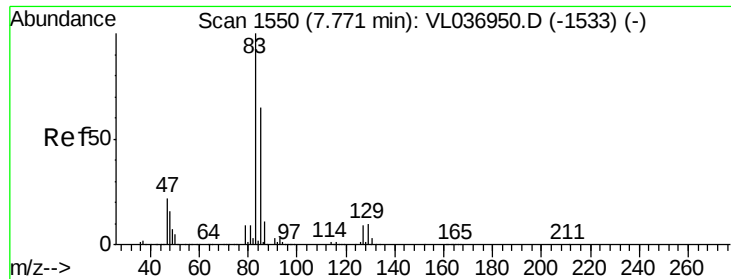
Tot Ion: 78 Resp: 441917
Ion Ratio Lower Upper
78 100
77 23.5 18.6 28.0
50 20.6 15.0 22.4



#39
1,2-Dichloropropane
Concen: 0.084 ppbv
RT: 7.48 min Scan# 1460
Delta R.T. -0.11 min
Lab File: VL037074.D
Acq: 1 Jun 2021 17:41

Tgt Ion: 63 Resp: 13099
Ion Ratio Lower Upper
63 100
41 12047.8 55.7 83.5#
62 38.7 56.2 84.4#





#42

Bromodichloromethane

Concen: 0.581 ppbv

RT: 7.78 min Scan# 1553

Delta R.T. 0.01 min

Lab File: VL037074.D

Acq: 1 Jun 2021 17:41

Instrument :

MSVOA_L

ClientSampleId :

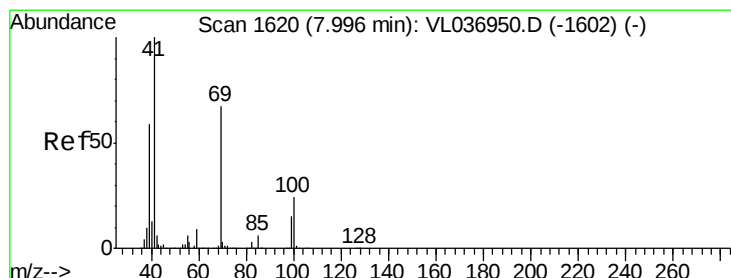
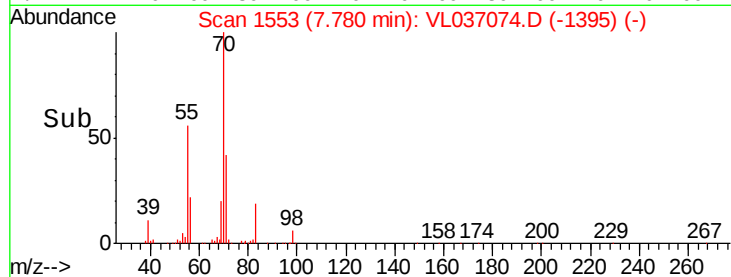
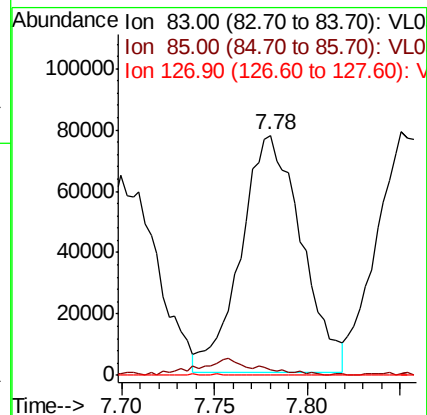
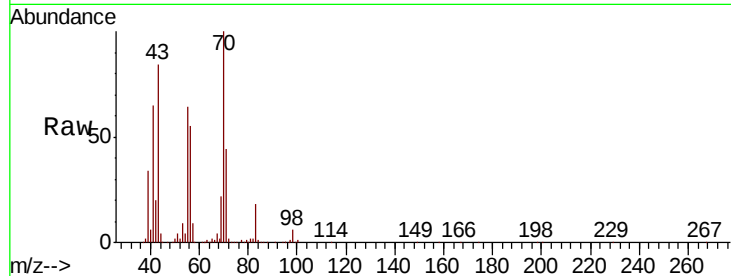
Tot Ion: 83 Resp: 175964

Ion Ratio Lower Upper

83 100

85 1.6 51.7 77.5#

127 0.0 6.9 10.3#



#43

Methyl Methacrylate

Concen: 0.042 ppbv

RT: 7.97 min Scan# 1612

Delta R.T. -0.03 min

Lab File: VL037074.D

Acq: 1 Jun 2021 17:41

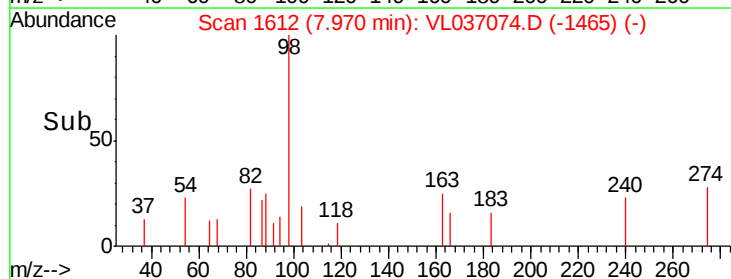
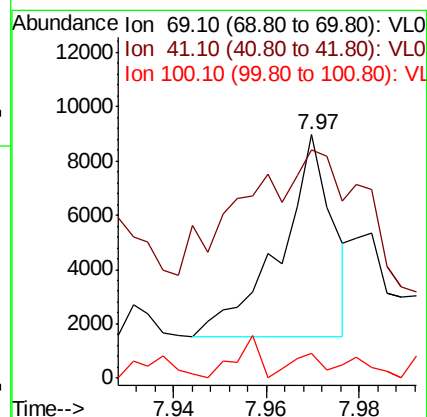
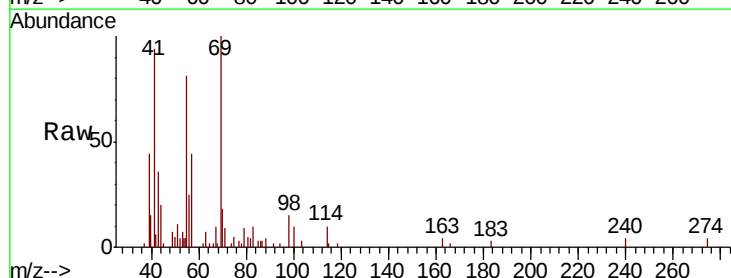
Tgt Ion: 69 Resp: 5837

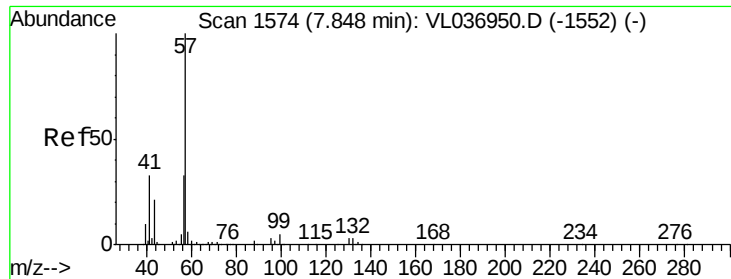
Ion Ratio Lower Upper

69 100

41 0.0 118.6 178.0#

100 0.0 28.2 42.4#

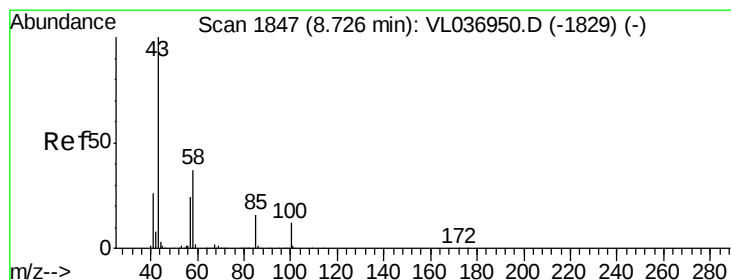
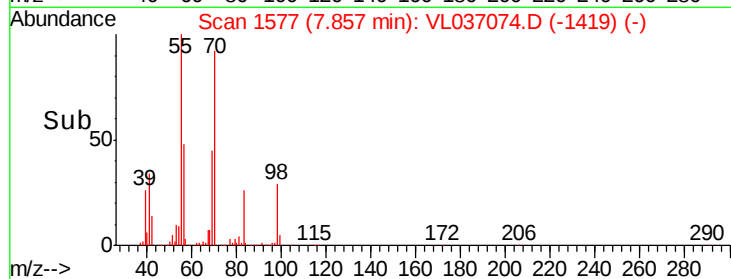
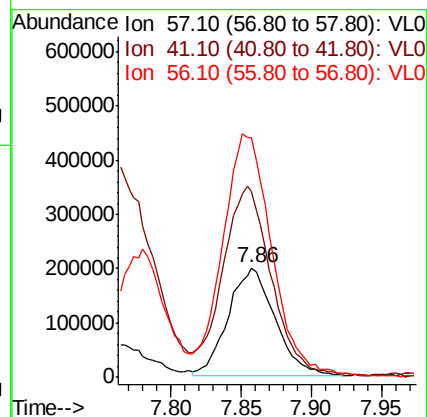
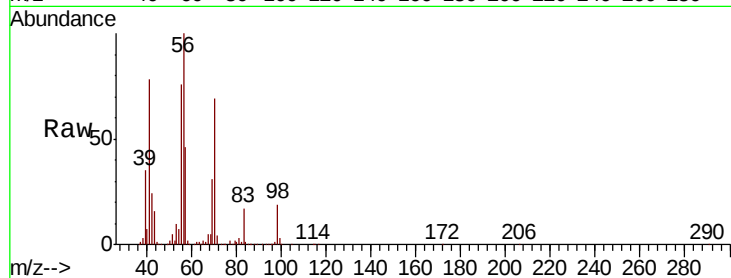




#44
 2,2,4-Trimethylpentane
 Concen: 0.662 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VL037074.D
 Acq: 1 Jun 2021 17:41

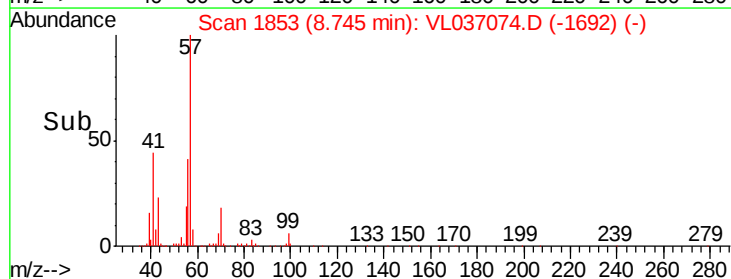
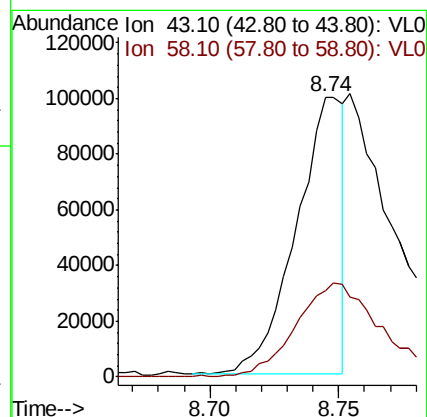
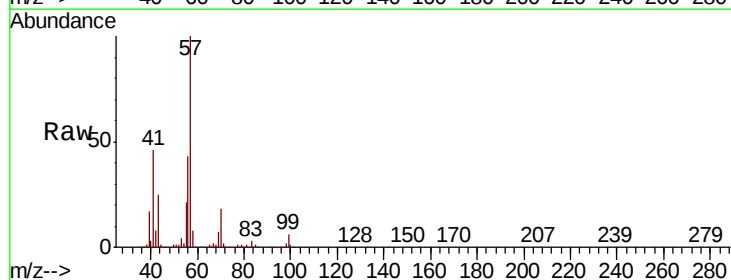
Instrument :
 MSVOA_L
 ClientSampled :

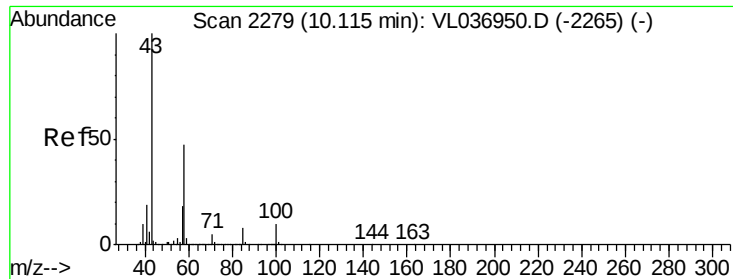
Tot Ion: 57 Resp: 458844
 Ion Ratio Lower Upper
 57 100
 41 181.7 27.0 40.4#
 56 238.5 25.4 38.2#



#50
 4-Methyl-2-Pentanone
 Concen: 0.448 ppbv
 RT: 8.74 min Scan# 1853
 Delta R.T. 0.02 min
 Lab File: VL037074.D
 Acq: 1 Jun 2021 17:41

Tgt Ion: 43 Resp: 126172
 Ion Ratio Lower Upper
 43 100
 58 65.0 29.4 44.2#

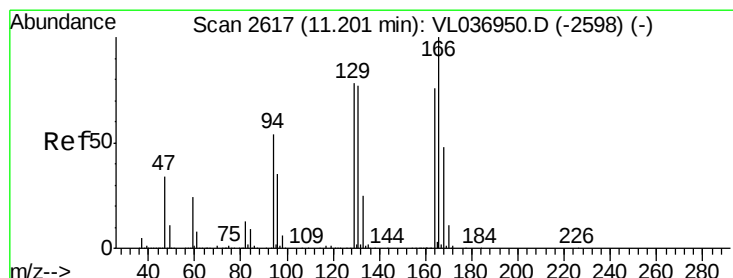
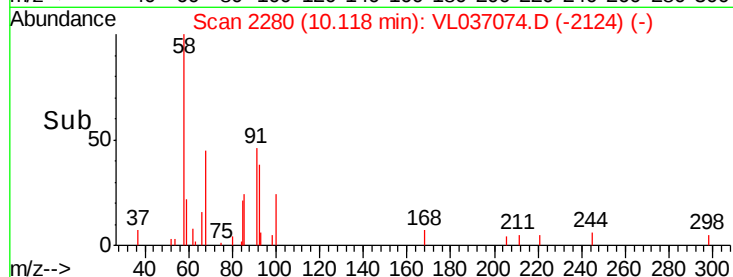
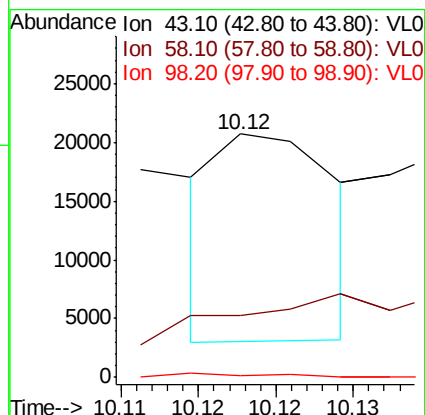
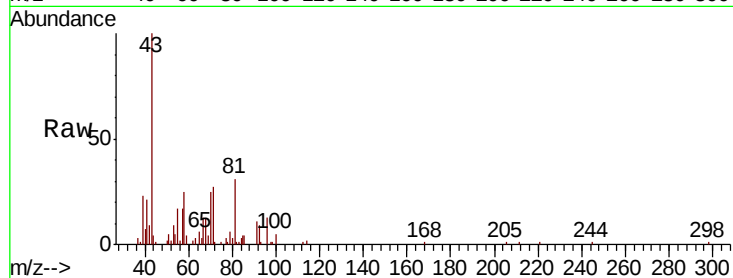




#51
2-Hexanone
Concen: 0.062 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL037074.D
Acq: 1 Jun 2021 17:41

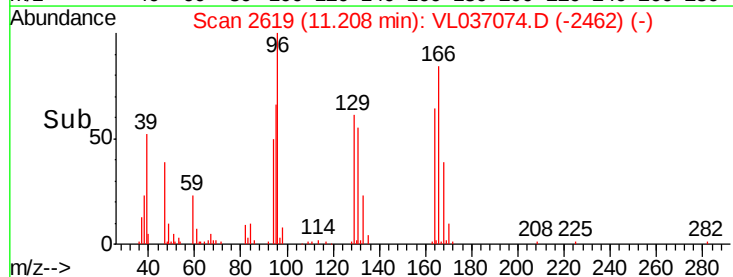
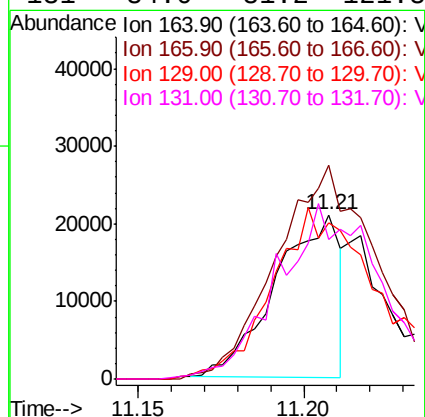
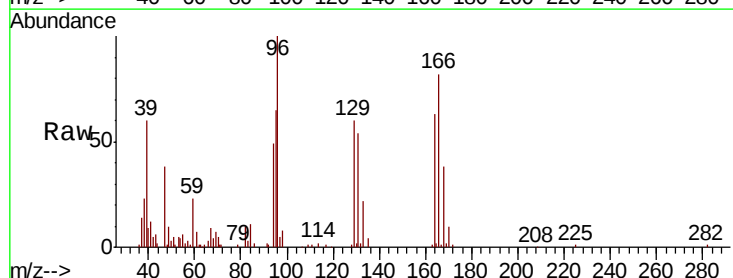
Instrument :
MSVOA_L
ClientSampled :

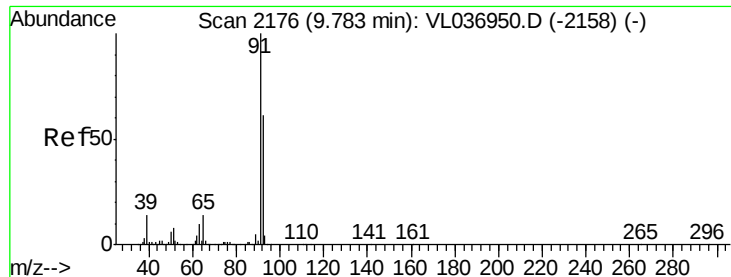
Tot Ion: 43 Resp: 9282
Ion Ratio Lower Upper
43 100
58 0.0 41.1 61.7#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.176 ppbv
RT: 11.21 min Scan# 2619
Delta R.T. 0.01 min
Lab File: VL037074.D
Acq: 1 Jun 2021 17:41

Tgt Ion: 164 Resp: 28240
Ion Ratio Lower Upper
164 100
166 129.0 105.5 158.3
129 93.8 81.8 122.8
131 84.0 81.2 121.8





#53

Toluene

Concen: 10.562 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL037074.D

Acq: 1 Jun 2021 17:41

Instrument :

MSVOA_L

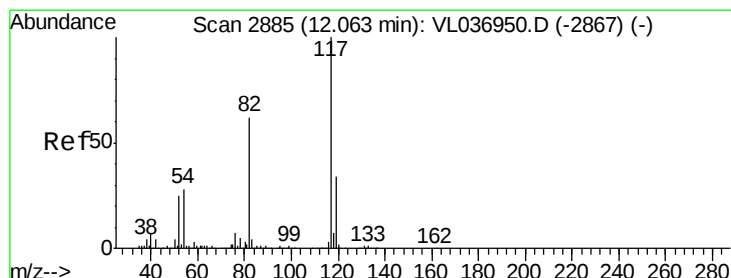
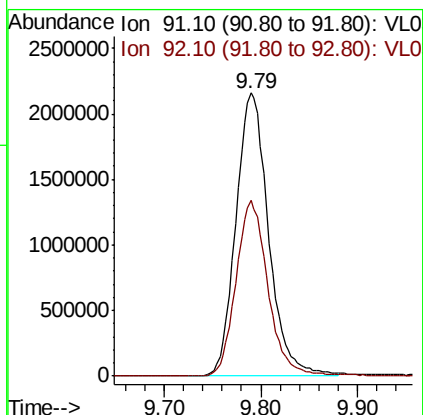
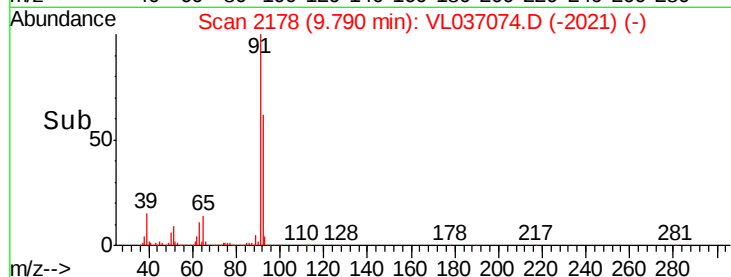
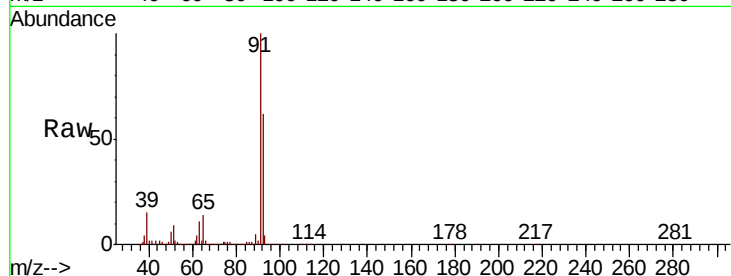
ClientSampleId :

Tot Ion: 91 Resp: 5076440

Ion Ratio Lower Upper

91 100

92 61.5 49.5 74.3



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. 0.01 min

Lab File: VL037074.D

Acq: 1 Jun 2021 17:41

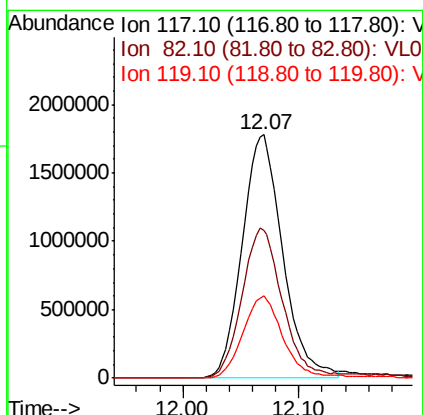
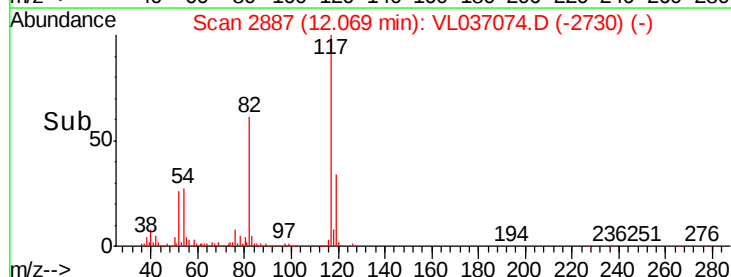
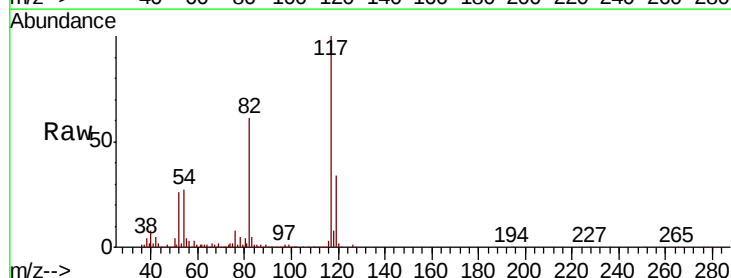
Tgt Ion: 117 Resp: 4324558

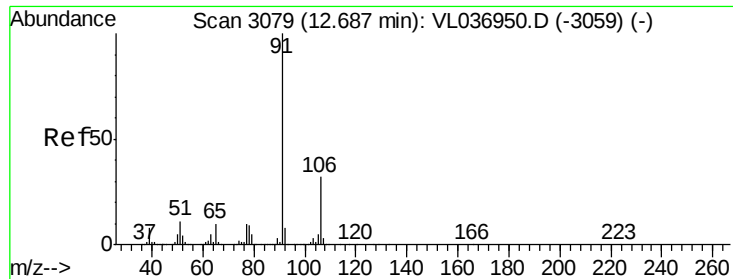
Ion Ratio Lower Upper

117 100

82 64.9 52.6 79.0

119 34.4 46.6 70.0#





#58

Ethyl Benzene

Concen: 1.162 ppbv

RT: 12.70 min Scan# 3082

Delta R.T. 0.01 min

Lab File: VL037074.D

Acq: 1 Jun 2021 17:41

Instrument :

MSVOA_L

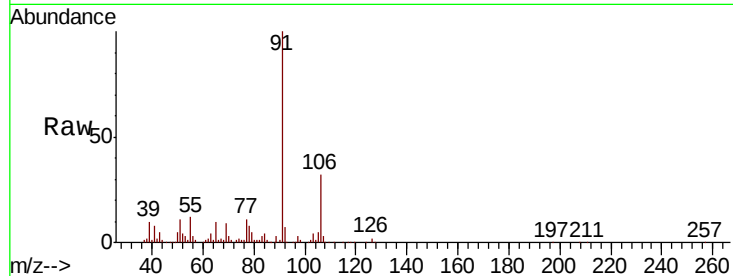
ClientSampleId :

Tot Ion: 91 Resp: 709145

Ion Ratio Lower Upper

91 100

106 32.5 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.70

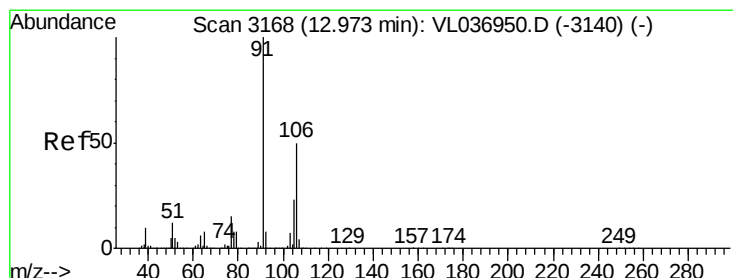
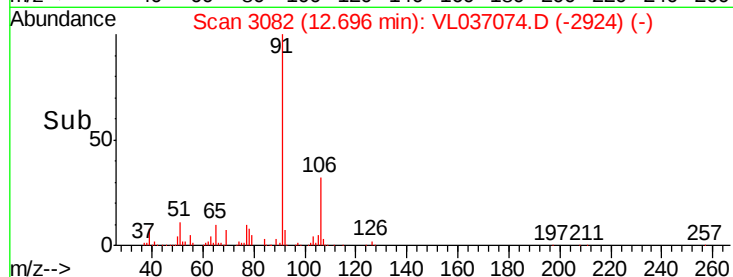
300000

200000

100000

0

Time-->



#59

m/p-Xylene

Concen: 3.763 ppbv

RT: 12.95 min Scan# 3160

Delta R.T. -0.03 min

Lab File: VL037074.D

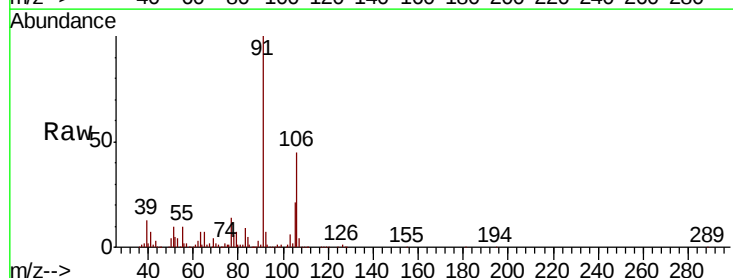
Acq: 1 Jun 2021 17:41

Tgt Ion: 91 Resp: 1898464

Ion Ratio Lower Upper

91 100

106 49.1 37.4 56.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.95

600000

500000

400000

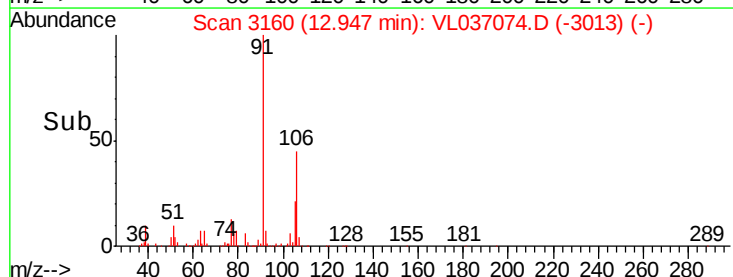
300000

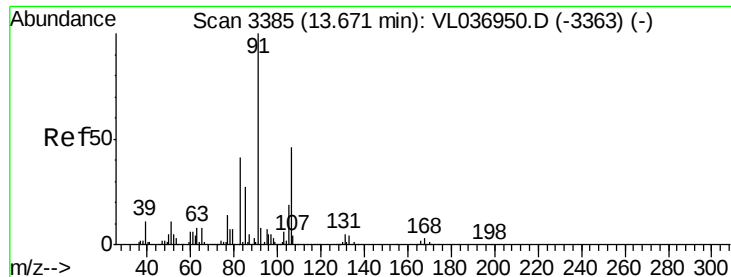
200000

100000

0

Time-->

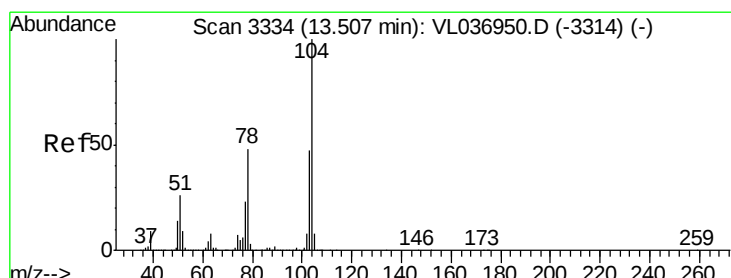
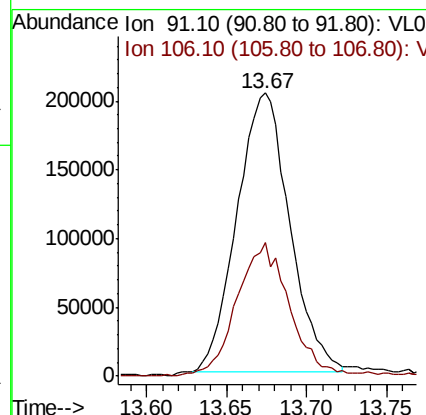
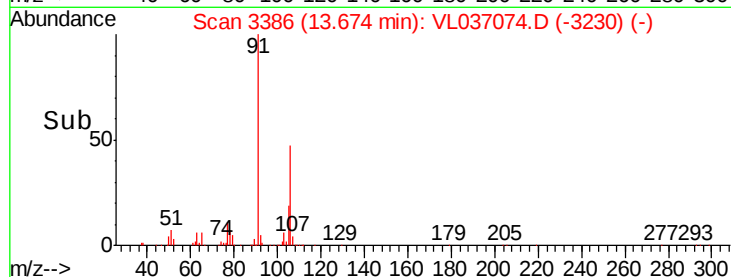
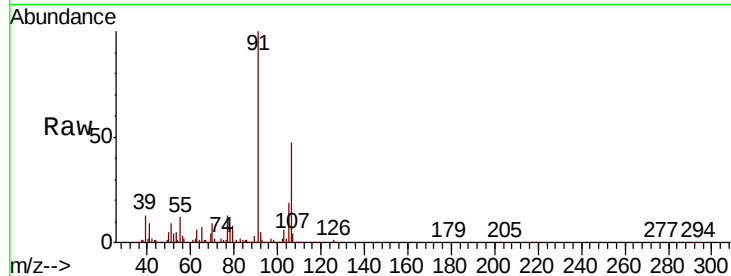




#60
o-Xylene
Concen: 0.952 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VL037074.D
Acq: 1 Jun 2021 17:41

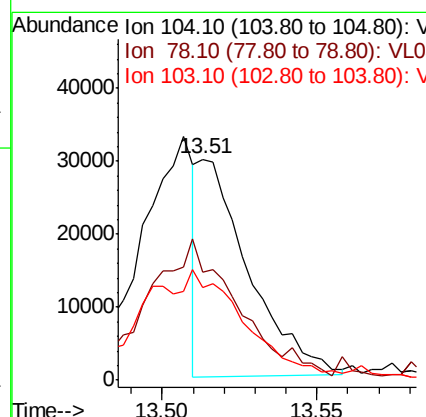
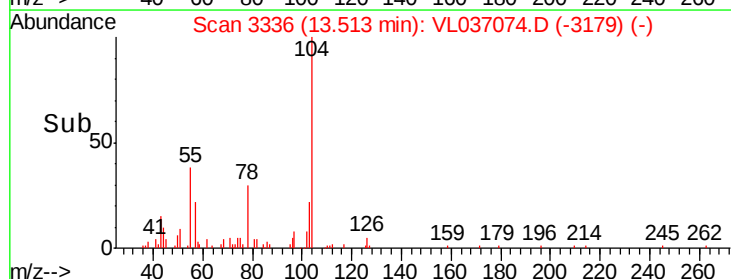
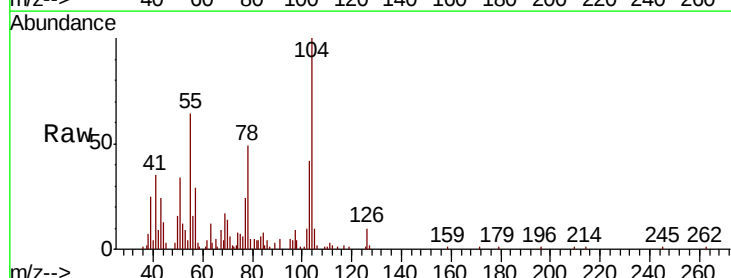
Instrument :
MSVOA_L
ClientSampleId :

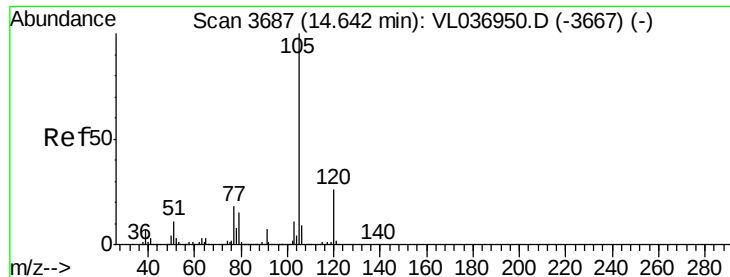
Tot Ion: 91 Resp: 458157
Ion Ratio Lower Upper
91 100
106 48.6 23.4 70.3



#61
Styrene
Concen: 0.124 ppbv
RT: 13.51 min Scan# 3336
Delta R.T. 0.01 min
Lab File: VL037074.D
Acq: 1 Jun 2021 17:41

Tgt Ion:104 Resp: 33614
Ion Ratio Lower Upper
104 100
78 122.7 39.0 58.6#
103 111.6 38.0 57.0#





#62

Isopropylbenzene

Concen: 2.224 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. 0.01 min

Lab File: VL037074.D

Acq: 1 Jun 2021 17:41

Instrument :

MSVOA_L

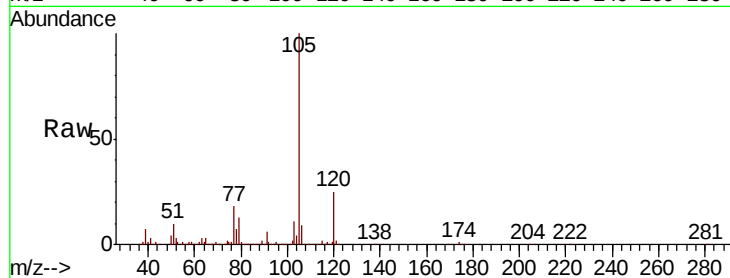
ClientSampleId :

Tot Ion:105 Resp: 1538006

Ion Ratio Lower Upper

105 100

120 25.7 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.65

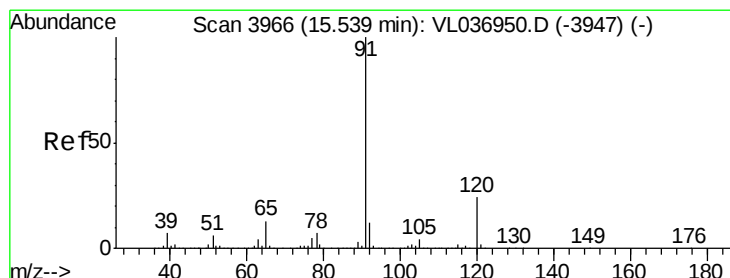
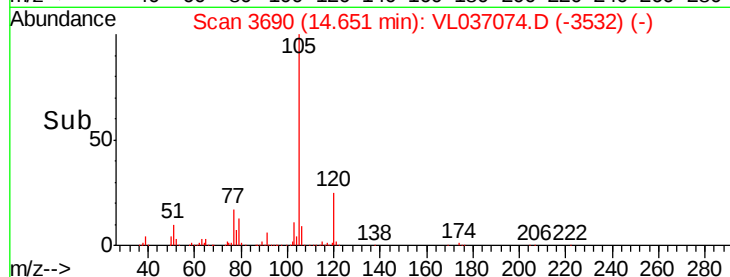
600000

400000

200000

0

Time-->



#64

n-propylbenzene

Concen: 0.128 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. 0.00 min

Lab File: VL037074.D

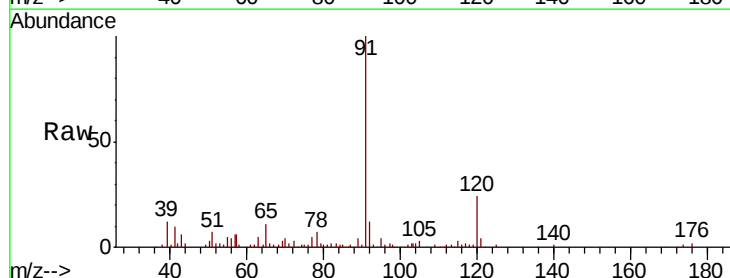
Acq: 1 Jun 2021 17:41

Tgt Ion:120 Resp: 22769

Ion Ratio Lower Upper

120 100

91 826.7 343.8 515.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

80000

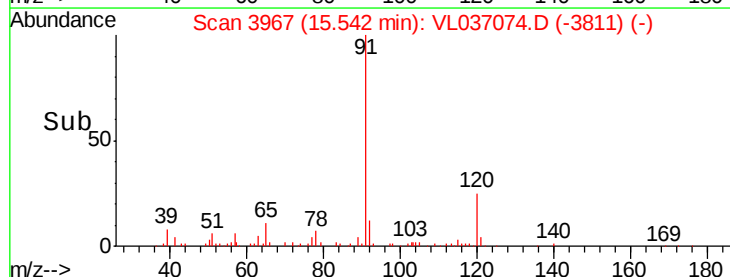
60000

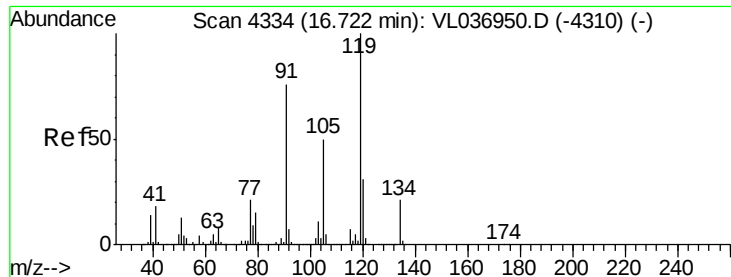
40000

20000

0

Time-->





#65

tert-Butylbenzene

Concen: 0.030 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. 0.01 min

Lab File: VL037074.D

Acq: 1 Jun 2021 17:41

Instrument :

MSVOA_L

ClientSampled :

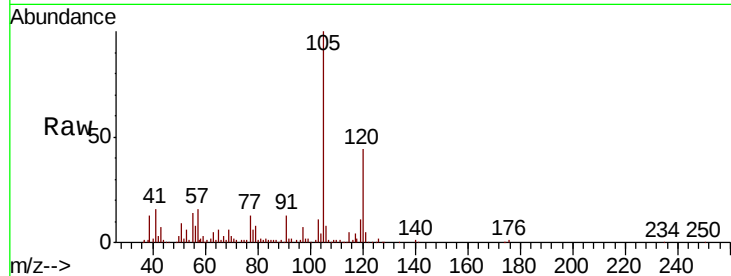
Tot Ion:119 Resp: 18864

Ion Ratio Lower Upper

119 100

91 0.0 61.9 92.9#

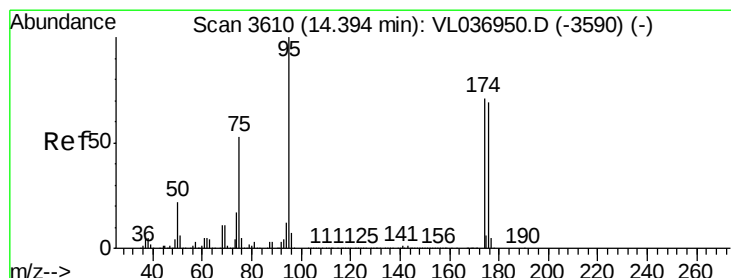
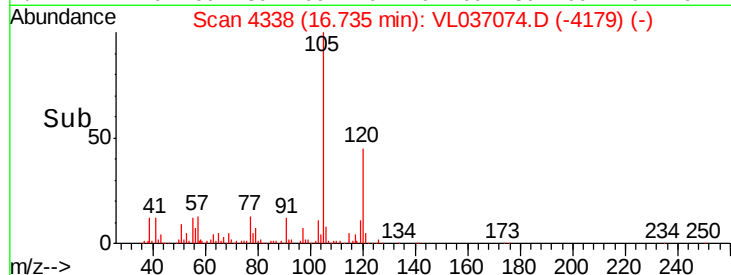
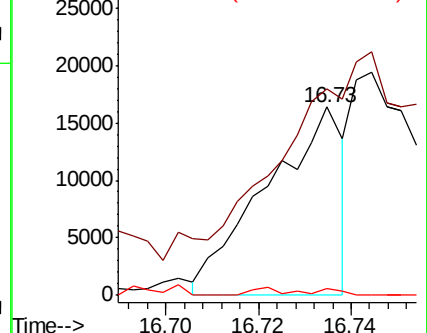
134 0.0 16.2 24.4#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.502 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037074.D

Acq: 1 Jun 2021 17:41

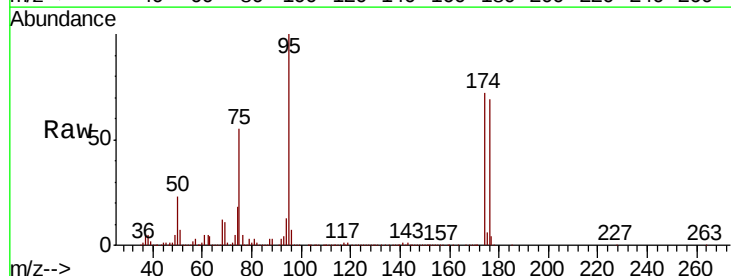
Tgt Ion: 95 Resp: 3411733

Ion Ratio Lower Upper

95 100

174 73.4 58.4 87.6

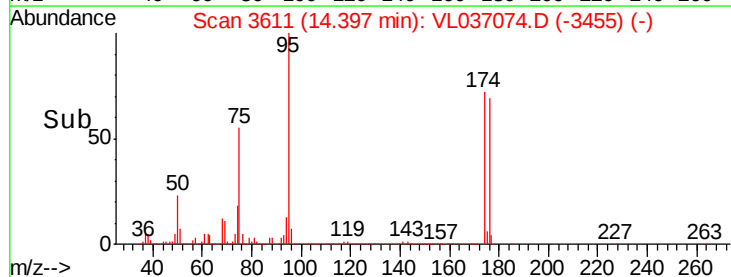
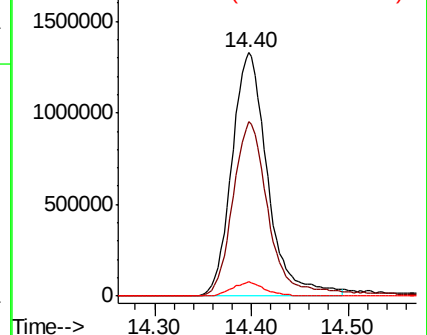
175 5.5 4.4 6.6

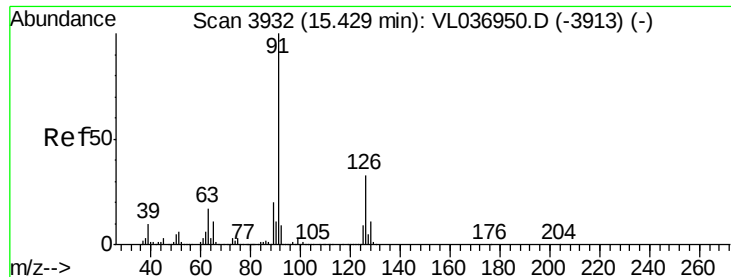


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

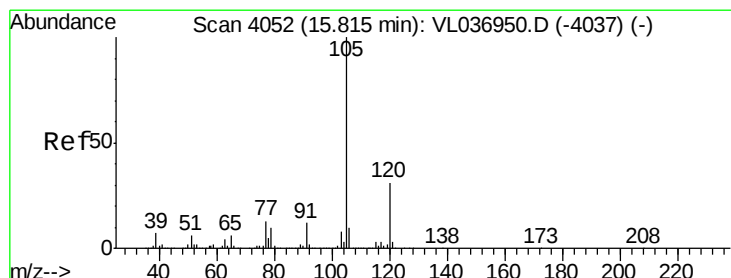
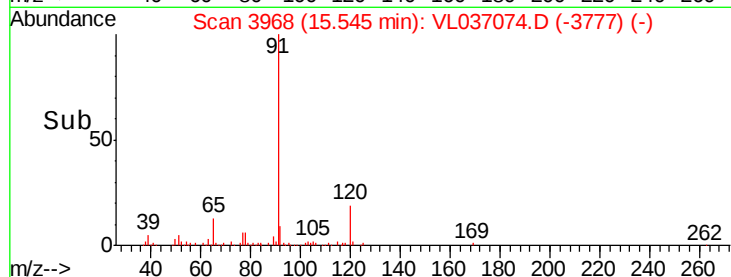
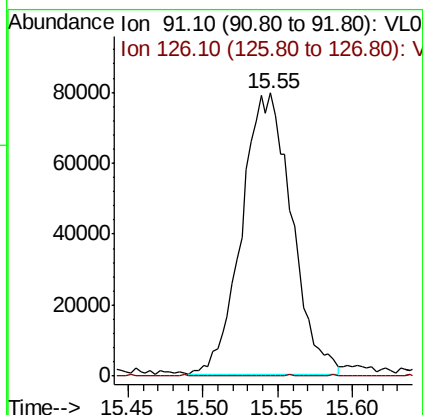
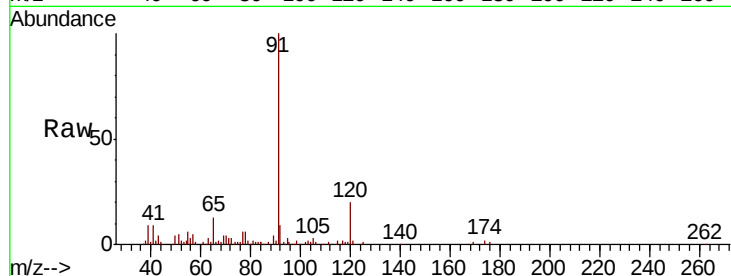




#71
 2-Chlorotoluene
 Concen: 0.369 ppbv
 RT: 15.55 min Scan# 3968
 Delta R.T. 0.12 min
 Lab File: VL037074.D
 Acq: 1 Jun 2021 17:41

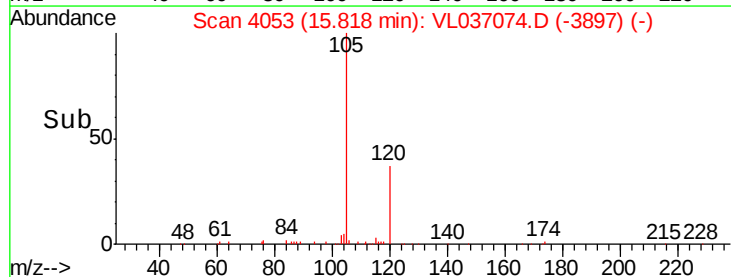
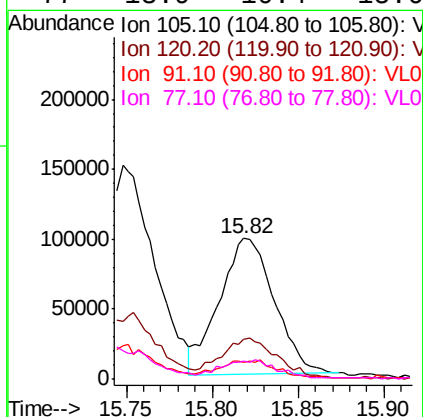
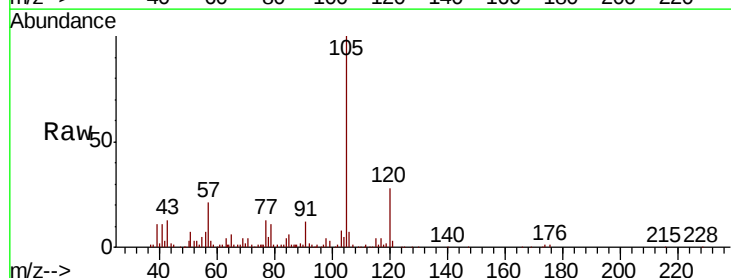
Instrument :
 MSVOA_L
 ClientSampleId :

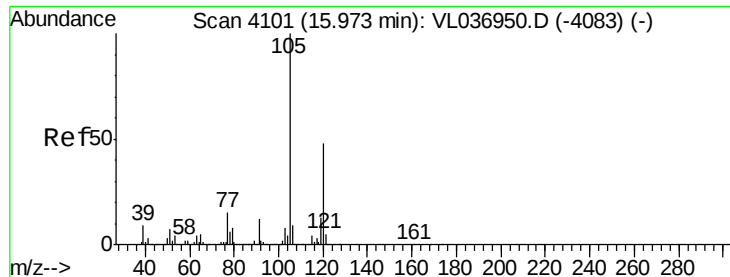
Tot Ion: 91 Resp: 184123
 Ion Ratio Lower Upper
 91 100
 126 0.4 13.1 52.5#



#72
 4-Ethyltoluene
 Concen: 0.383 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. 0.00 min
 Lab File: VL037074.D
 Acq: 1 Jun 2021 17:41

Tgt Ion: 105 Resp: 218530
 Ion Ratio Lower Upper
 105 100
 120 32.3 24.6 37.0
 91 14.4 9.8 14.6
 77 13.9 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 0.077 ppbv

RT: 15.99 min Scan# 4105

Delta R.T. 0.01 min

Lab File: VL037074.D

Acq: 1 Jun 2021 17:41

Instrument :

MSVOA_L

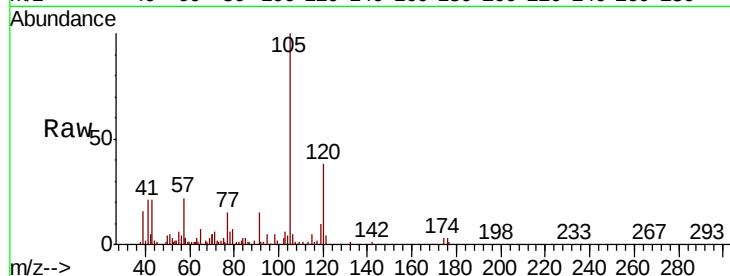
ClientSampled :

Tot Ion:105 Resp: 41397

Ion Ratio Lower Upper

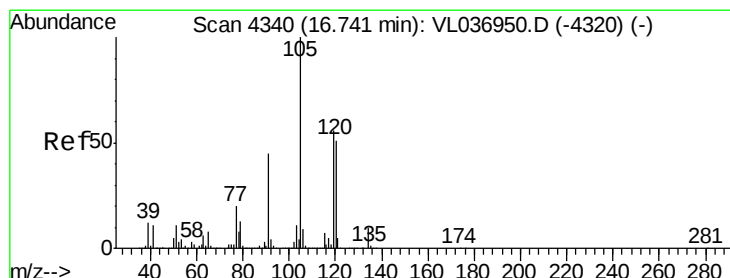
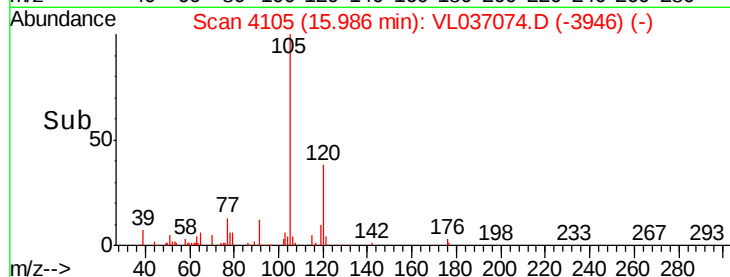
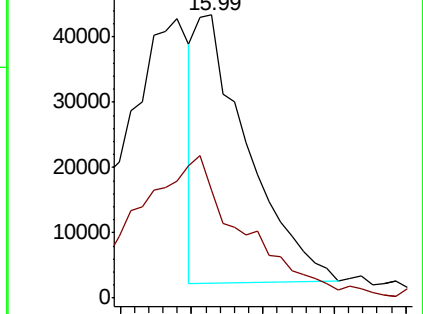
105 100

120 37.4 38.6 58.0#



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: 0.265 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.01 min

Lab File: VL037074.D

Acq: 1 Jun 2021 17:41

Tgt Ion:105 Resp: 147171

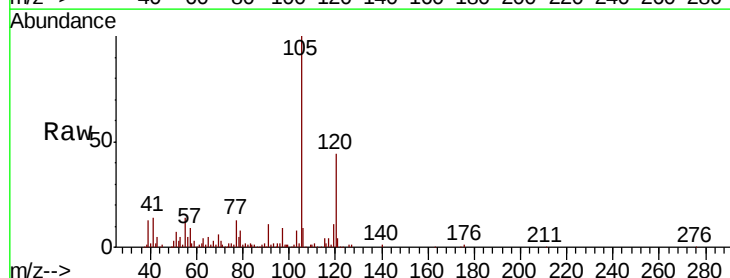
Ion Ratio Lower Upper

105 100

120 42.8 40.6 61.0

91 7.2 37.4 56.0#

77 10.1 16.2 24.4#



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

