

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062221\
 Data File : VL037223.D
 Acq On : 22 Jun 2021 19:08
 Operator : SY/AP
 Sample : M2807-03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 23 01:41:28 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1182460	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3461185	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3309711	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2629441	10.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	39189	0.191	ppbv 90
3) Chlorodifluoromethane	3.00	51	118099	0.514	ppbv # 76
4) Chloromethane	3.15	50	48905	0.638	ppbv 91
9) Propene	3.21	41	4210371	57.271	ppbv 93
10) Heptane	8.13	43	402109	2.258	ppbv 98
11) Trichlorofluoromethane	3.96	101	51475	0.235	ppbv 92
12) 1,1,2-Trichlorotrifluoroet	4.49	101	7380	0.048	ppbv # 13
13) Ethanol	3.61	45	2420173	212.808	ppbv 46
15) Acetone	3.85	43	8134814	61.006	ppbv 94
16) 1,3-Butadiene	3.37	39	1238925	15.717	ppbv # 13
17) tert-Butyl alcohol	4.31	59	248017	2.012	ppbv 96
19) Isopropyl Alcohol	3.99	45	277453	3.435	ppbv # 1
20) Methylene Chloride	4.36	84	342448	4.290	ppbv 98
21) Allyl Chloride	4.31	41	113094	1.125	ppbv # 72
23) Vinyl Acetate	5.07	43	478631	2.503	ppbv # 16
25) Ethyl Acetate	5.69	43	1460556	5.060	ppbv # 90
26) Hexane	5.70	57	1302305	8.926	ppbv # 62
27) Carbon Disulfide	4.56	76	3260	0.023	ppbv # 63
29) Chloroform	5.76	83	8774	0.039	ppbv 85
30) Cyclohexane	7.14	84	210072	1.728	ppbv # 84
31) cis-1,2-Dichloroethene	5.68	61	28345	0.211	ppbv # 28
34) 2-Butanone	5.26	43	265518	1.973	ppbv 94
35) Carbon Tetrachloride	7.03	117	8990	0.039	ppbv # 91
36) Benzene	6.90	78	40329	0.144	ppbv 96
39) 1,2-Dichloropropane	7.19	63	819182	7.877	ppbv # 23
40) 1,4-Dioxane	7.85	88	2009	0.070	ppbv # 1
41) Tetrahydrofuran	6.23	42	28551	0.457	ppbv # 55
42) Bromodichloromethane	7.81	83	17030	0.076	ppbv # 36
44) 2,2,4-Trimethylpentane	7.88	57	136723	0.290	ppbv # 10
51) 2-Hexanone	10.16	43	5989	0.067	ppbv # 1
53) Toluene	9.82	91	940340	2.813	ppbv 100
57) Chlorobenzene	12.16	112	13031	0.049	ppbv # 51
58) Ethyl Benzene	12.73	91	580055	1.273	ppbv 96
59) m/p-Xylene	12.98	91	1952490	5.057	ppbv 98
60) o-Xylene	13.71	91	676736	1.841	ppbv 97
61) Styrene	13.54	104	112972	0.595	ppbv # 30
62) Isopropylbenzene	14.68	105	49862	0.095	ppbv # 63
63) 1,1,2,2-Tetrachloroethane	13.69	83	6017	0.025	ppbv # 53
64) n-propylbenzene	15.58	120	30872	0.236	ppbv 76
65) tert-Butylbenzene	16.78	119	63290	0.136	ppbv # 54
66) Benzyl Chloride	16.99	91	683	0.035	ppbv # 1

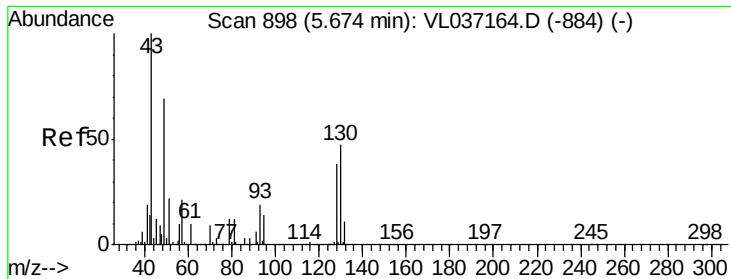
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062221\
 Data File : VL037223.D
 Acq On : 22 Jun 2021 19:08
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Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 23 01:41:28 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) sec-Butylbenzene	17.31	105	18619	0.030	ppbv #	45
69) p-Isopropyltoluene	17.66	119	27308	0.052	ppbv #	72
70) n-Butylbenzene	18.56	91	21939	0.045	ppbv #	23
72) 4-Ethyltoluene	15.85	105	151819	0.363	ppbv #	90
73) 1,3,5-Trimethylbenzene	16.01	105	192318	0.476	ppbv	95
74) 1,2,4-Trimethylbenzene	16.78	105	565859	1.360	ppbv #	71
76) 1,4-Dichlorobenzene	17.15	146	7028	0.028	ppbv #	22
79) Naphthalene	22.22	128	54563	0.157	ppbv #	92

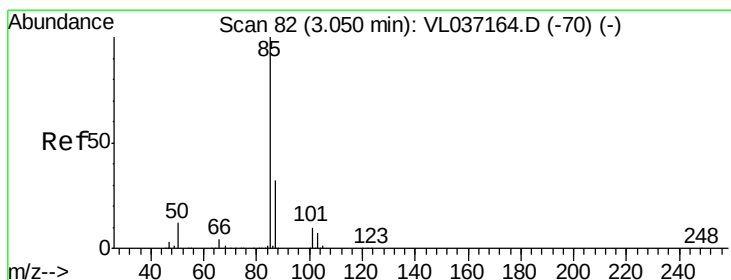
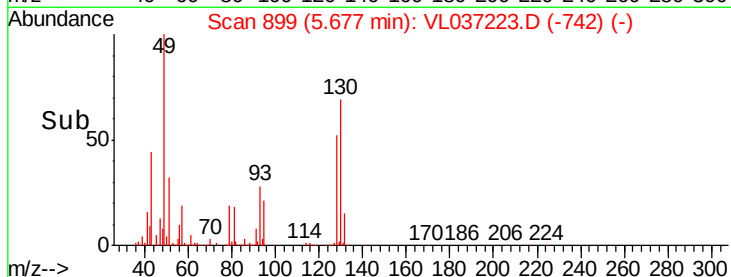
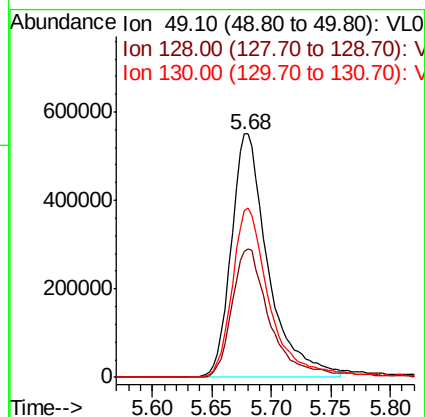
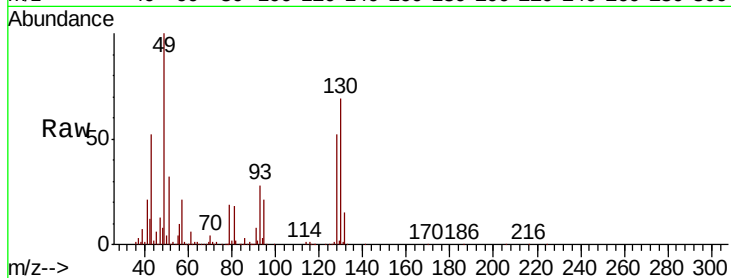
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL037223.D
Acq: 22 Jun 2021 19:08

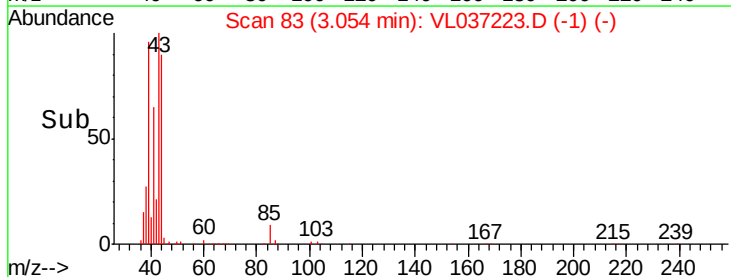
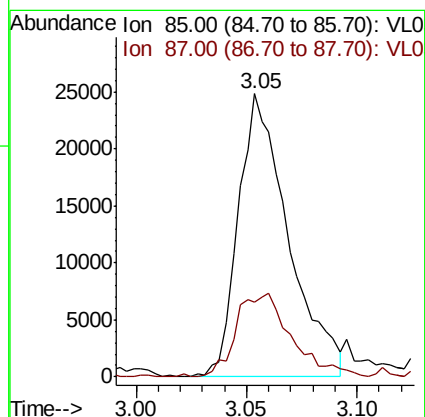
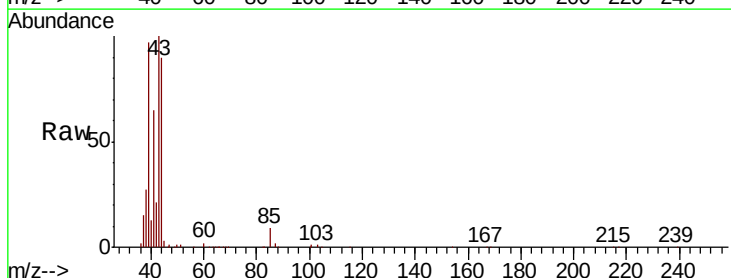
Instrument :
MSVOA_L
ClientSampleId :

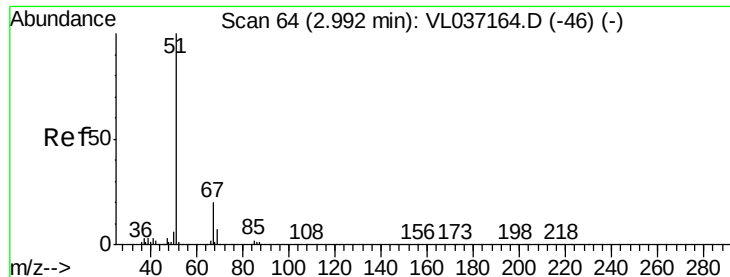
Tot Ion: 49 Resp: 1182460
Ion Ratio Lower Upper
49 100
128 55.9 29.3 88.0
130 71.6 35.9 107.8



#2
Dichlorodifluoromethane
Concen: 0.191 ppbv
RT: 3.05 min Scan# 83
Delta R.T. 0.00 min
Lab File: VL037223.D
Acq: 22 Jun 2021 19:08

Tgt Ion: 85 Resp: 39189
Ion Ratio Lower Upper
85 100
87 26.5 25.8 38.6

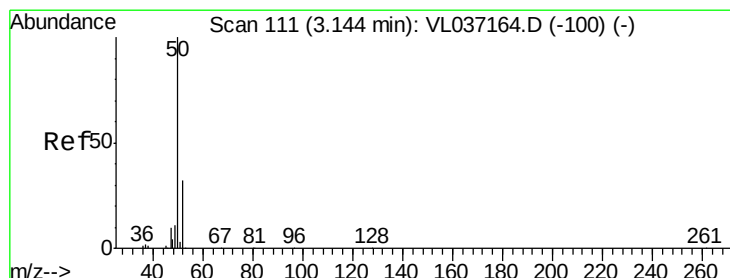
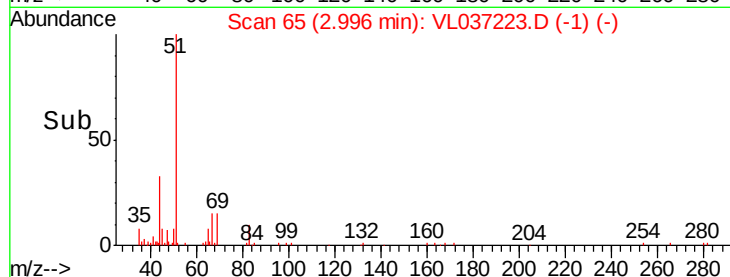
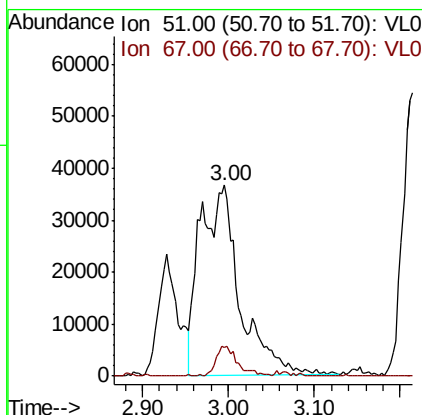
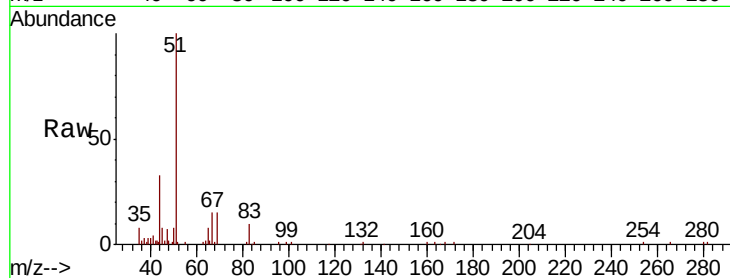




#3
Chlorodifluoromethane
Concen: 0.514 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.00 min
Lab File: VL037223.D
Acq: 22 Jun 2021 19:08

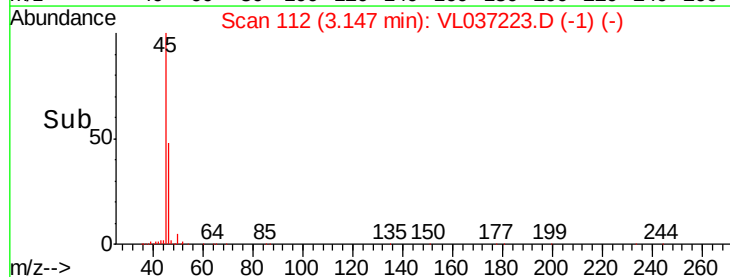
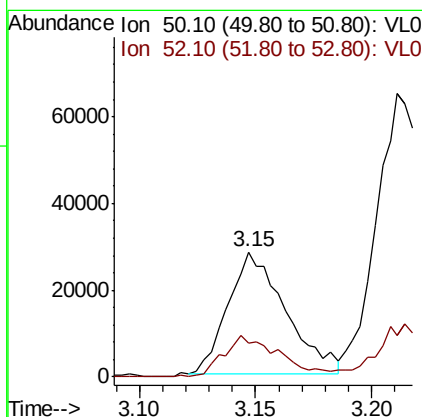
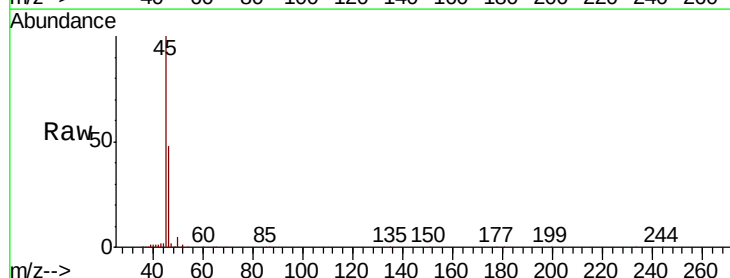
Instrument :
MSVOA_L
ClientSampleId :

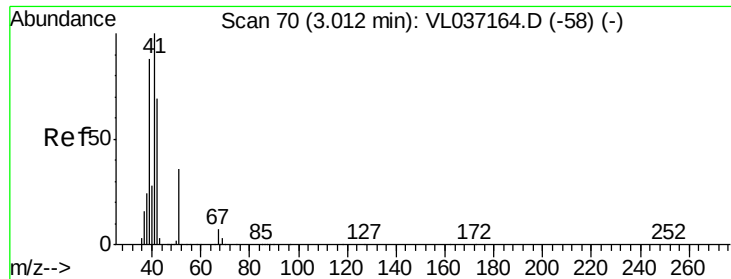
Tot Ion: 51 Resp: 118099
Ion Ratio Lower Upper
51 100
67 8.8 15.8 23.6#



#4
Chloromethane
Concen: 0.638 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.00 min
Lab File: VL037223.D
Acq: 22 Jun 2021 19:08

Tgt Ion: 50 Resp: 48905
Ion Ratio Lower Upper
50 100
52 27.1 25.8 38.8





#9

Propene

Concen: 57.271 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.20 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

Instrument :

MSVOA_L

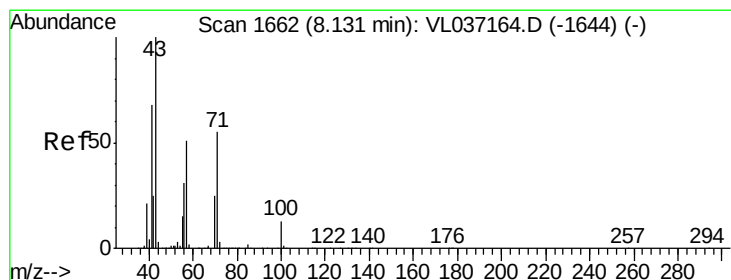
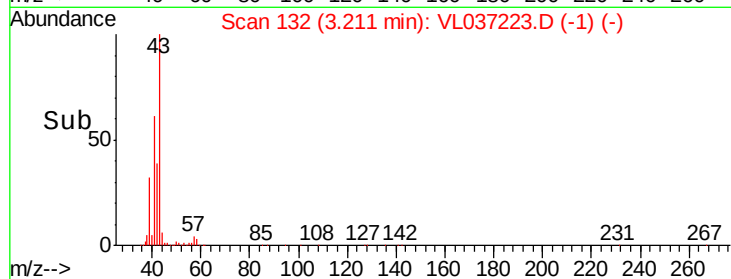
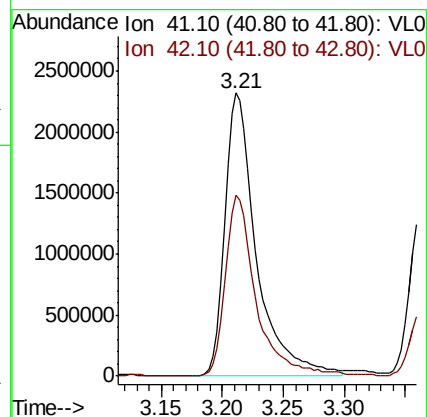
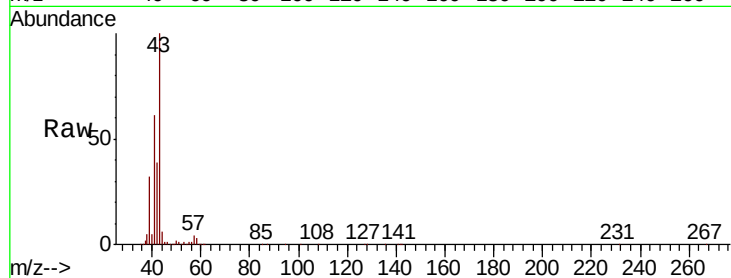
ClientSampleId :

Tot Ion: 41 Resp: 4210371

Ion Ratio Lower Upper

41 100

42 62.3 54.5 81.7



#10

Heptane

Concen: 2.258 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VL037223.D

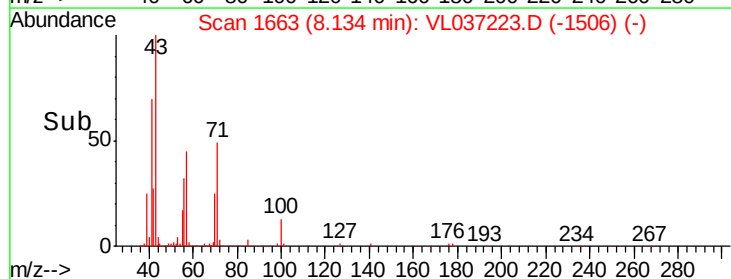
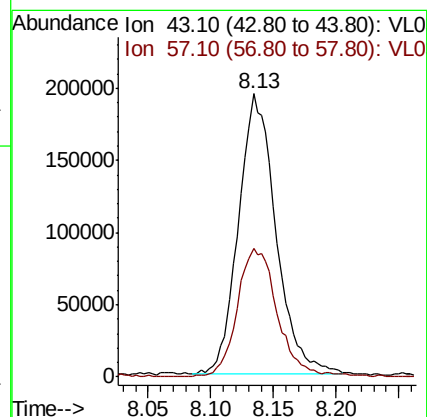
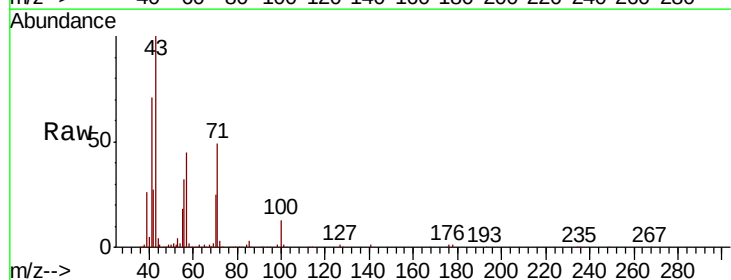
Acq: 22 Jun 2021 19:08

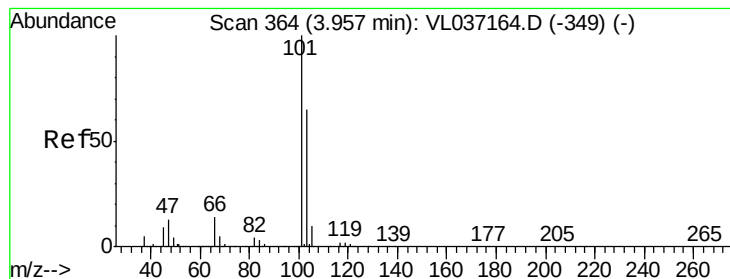
Tgt Ion: 43 Resp: 402109

Ion Ratio Lower Upper

43 100

57 49.7 40.6 61.0





#11

Trichlorofluoromethane

Concen: 0.235 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

Instrument :

MSVOA_L

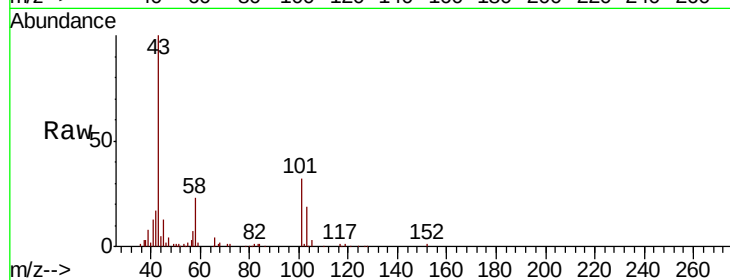
ClientSampleId :

Tot Ion:101 Resp: 51475

Ion Ratio Lower Upper

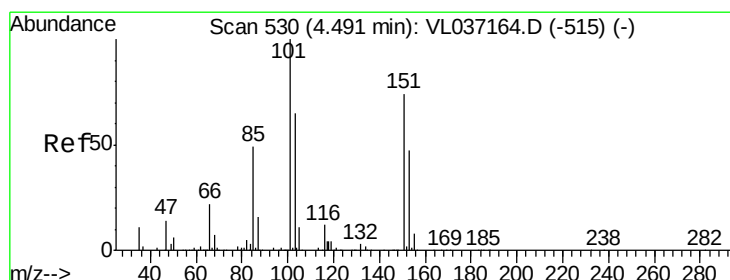
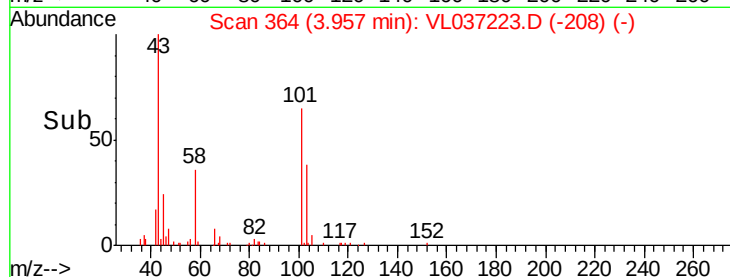
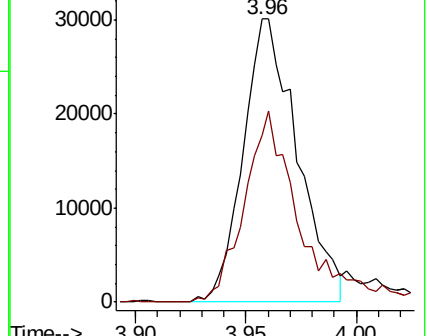
101 100

103 59.0 52.2 78.4



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: 0.048 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.00 min

Lab File: VL037223.D

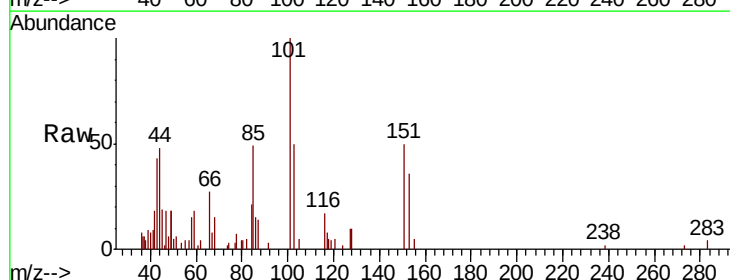
Acq: 22 Jun 2021 19:08

Tgt Ion:101 Resp: 7380

Ion Ratio Lower Upper

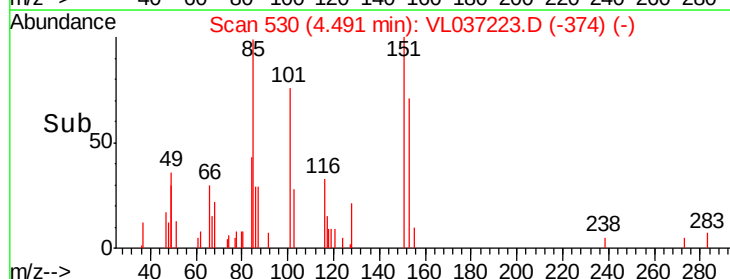
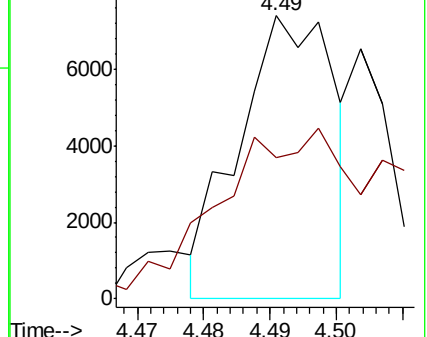
101 100

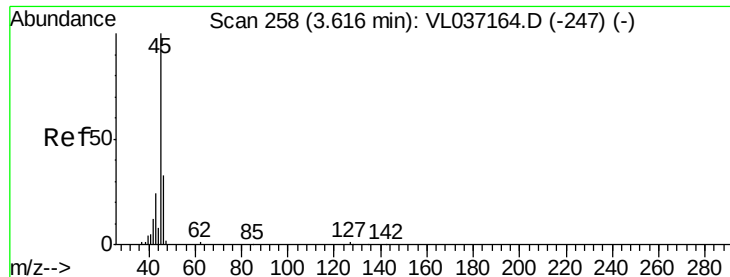
151 0.0 59.1 88.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

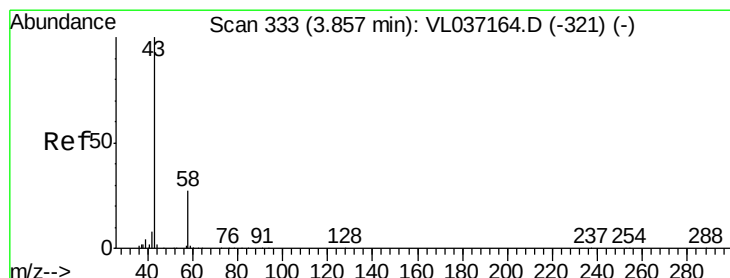
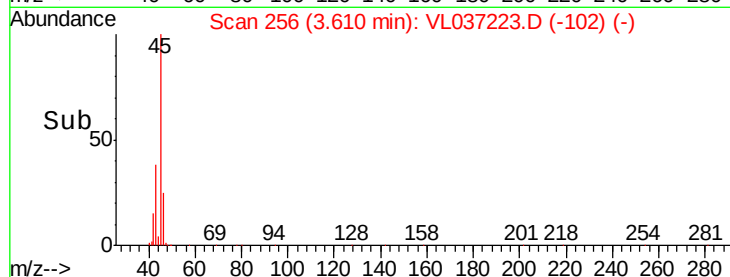
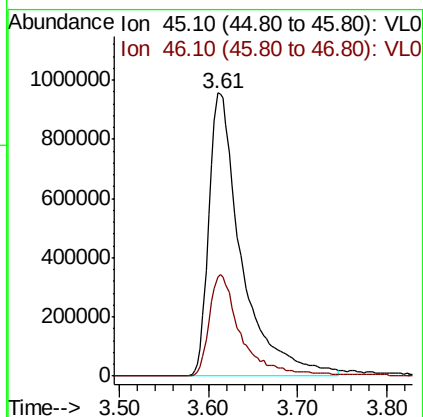
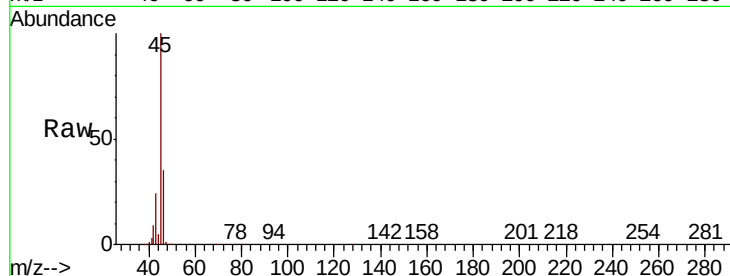




#13
Ethanol
Concen: 212.808 ppbv
RT: 3.61 min Scan# 256
Delta R.T. -0.01 min
Lab File: VL037223.D
Acq: 22 Jun 2021 19:08

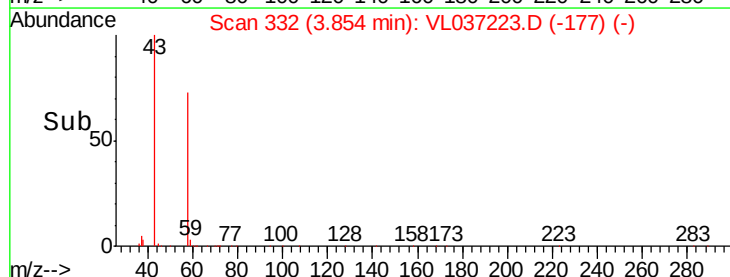
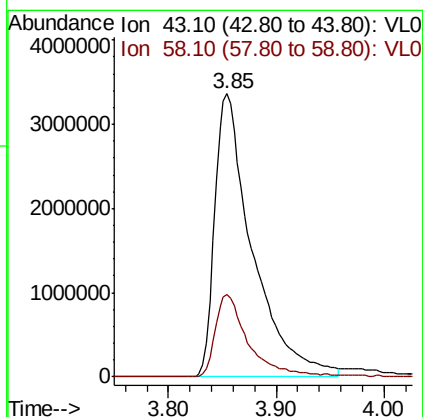
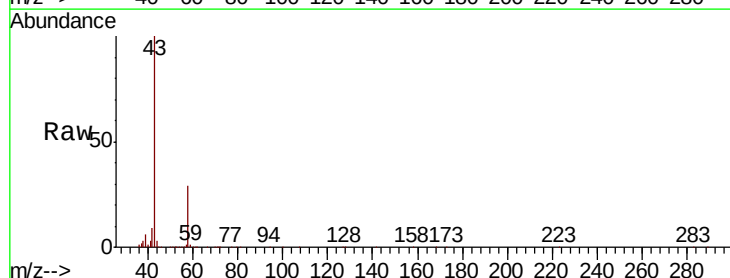
Instrument :
MSVOA_L
ClientSampled :

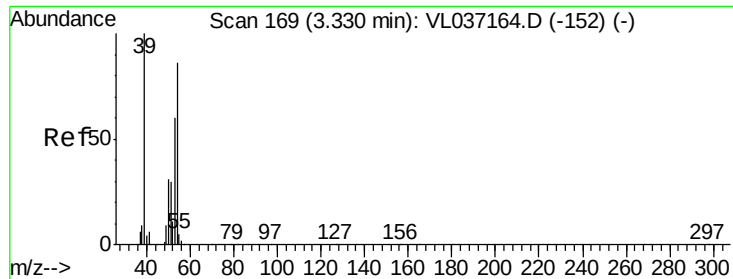
Tot Ion: 45 Resp: 2420173
Ion Ratio Lower Upper
45 100
46 36.2 34.2 137.0



#15
Acetone
Concen: 61.006 ppbv
RT: 3.85 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL037223.D
Acq: 22 Jun 2021 19:08

Tgt Ion: 43 Resp: 8134814
Ion Ratio Lower Upper
43 100
58 26.5 23.7 35.5





#16

1,3-Butadiene

Concen: 15.717 ppbv

RT: 3.37 min Scan# 180

Delta R.T. 0.04 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

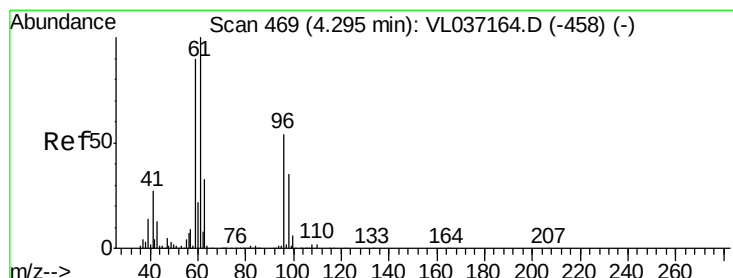
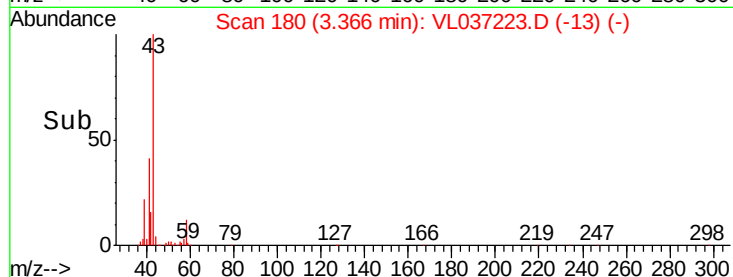
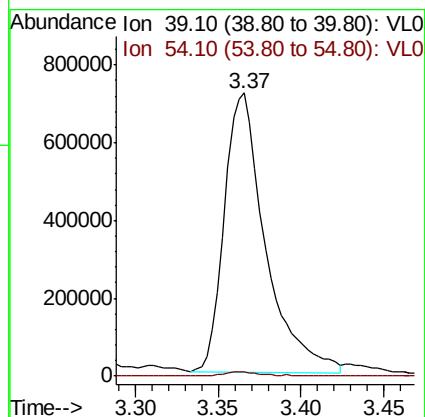
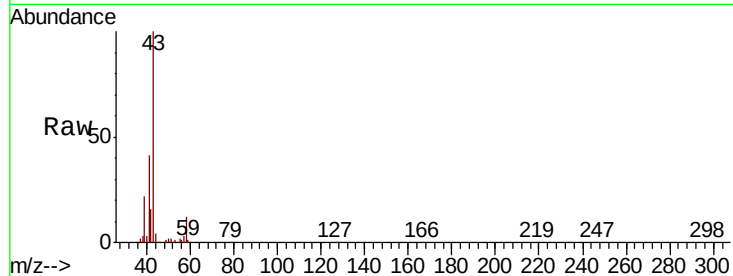
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 39 Resp: 1238925

Ion Ratio Lower Upper

39 100

54 2.0 61.2 91.8#



#17

tert-Butyl alcohol

Concen: 2.012 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.02 min

Lab File: VL037223.D

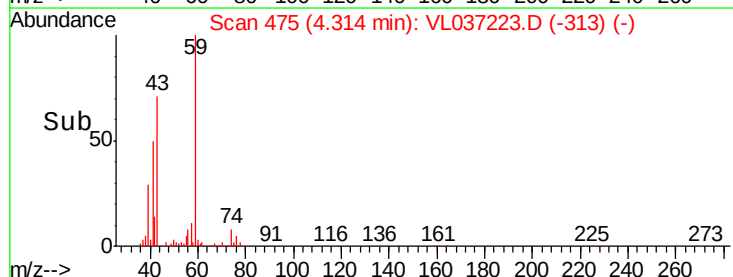
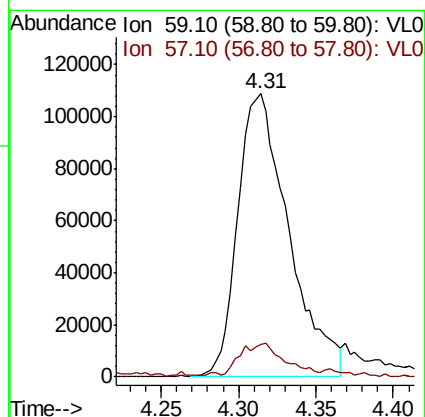
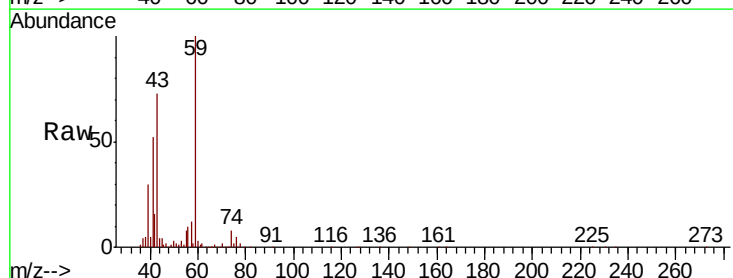
Acq: 22 Jun 2021 19:08

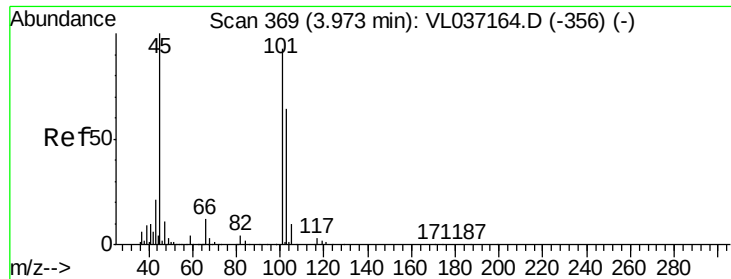
Tgt Ion: 59 Resp: 248017

Ion Ratio Lower Upper

59 100

57 12.5 8.8 13.2





#19

Isopropyl Alcohol

Concen: 3.435 ppbv

RT: 3.99 min Scan# 373

Delta R.T. 0.01 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

Instrument :

MSVOA_L

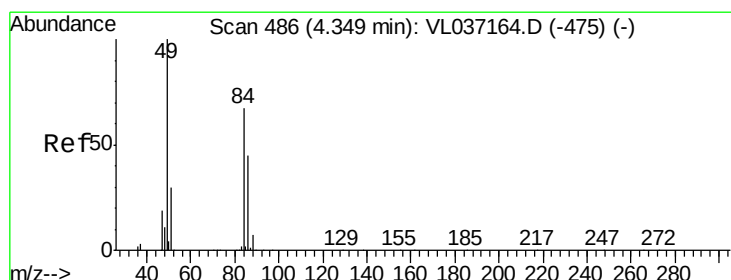
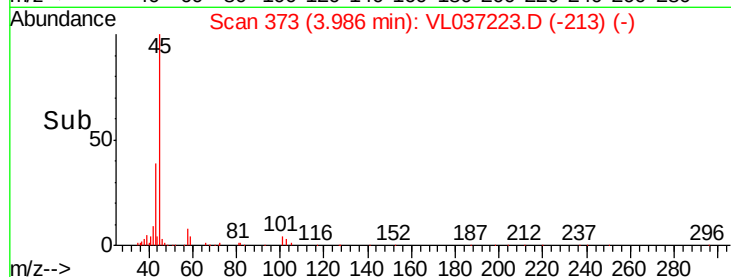
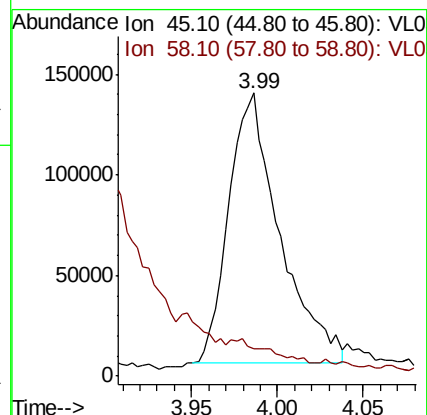
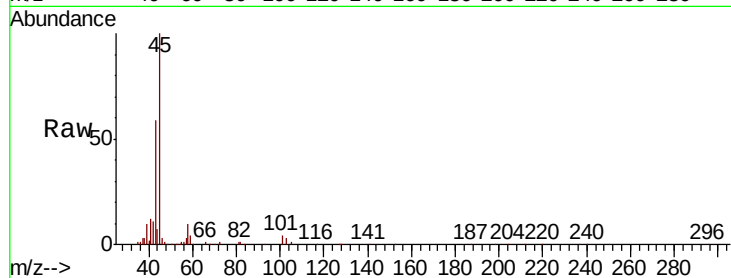
ClientSampleId :

Tot Ion: 45 Resp: 277453

Ion Ratio Lower Upper

45 100

58 778.1 2.4 3.6#



#20

Methylene Chloride

Concen: 4.290 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.01 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

Tgt Ion: 84 Resp: 342448

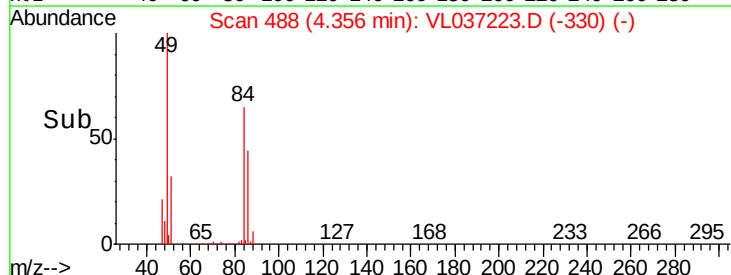
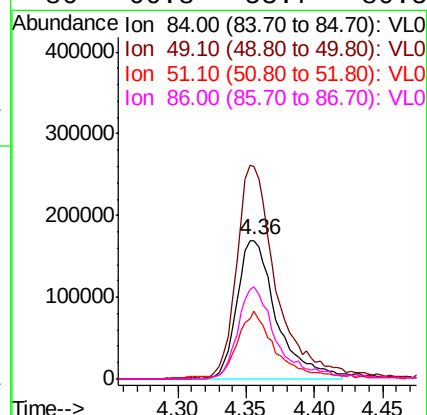
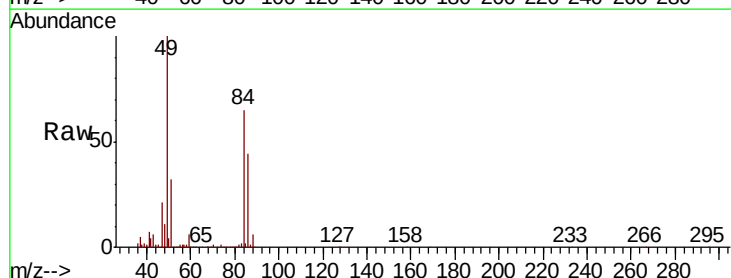
Ion Ratio Lower Upper

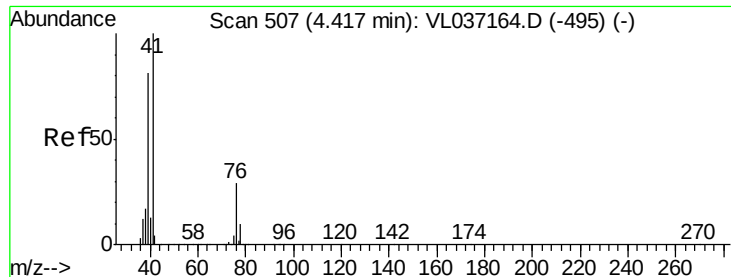
84 100

49 151.7 119.7 179.5

51 46.9 36.1 54.1

86 66.8 53.7 80.5





#21

Allvl Chloride

Concen: 1.125 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.10 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

Instrument :
MSVOA_L
ClientSampleId :

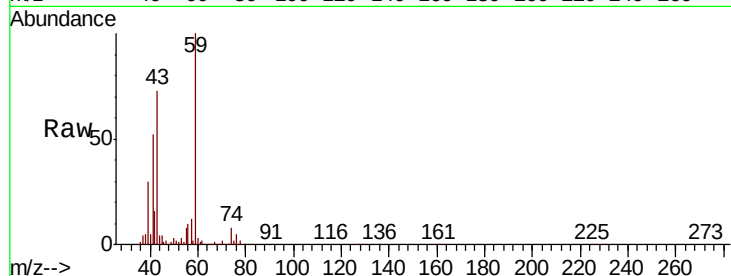
Tot Ion: 41 Resp: 113094

Ion Ratio Lower Upper

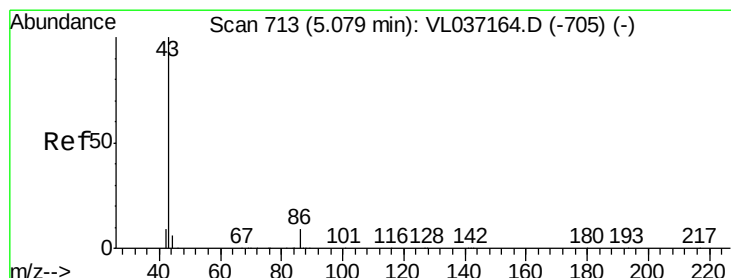
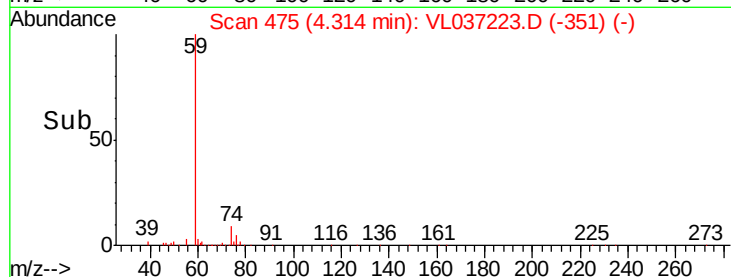
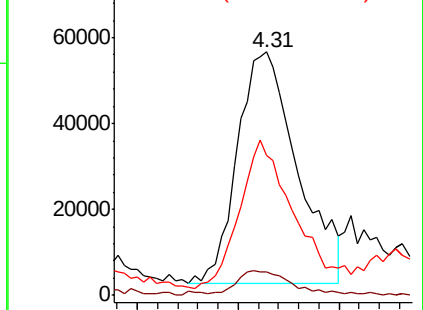
41 100

76 10.7 24.6 37.0#

39 60.2 65.4 98.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#23

Vinyl Acetate

Concen: 2.503 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.01 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

Tgt Ion: 43 Resp: 478631

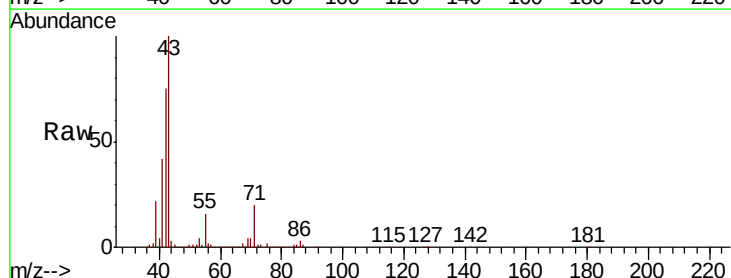
Ion Ratio Lower Upper

43 100

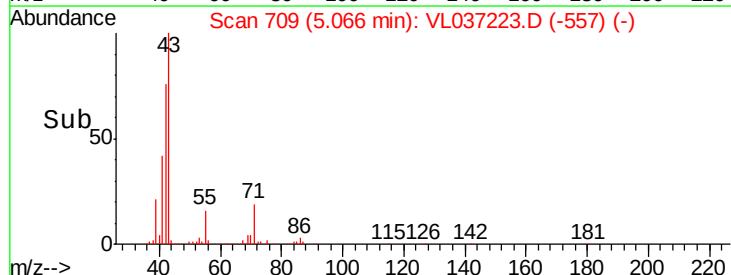
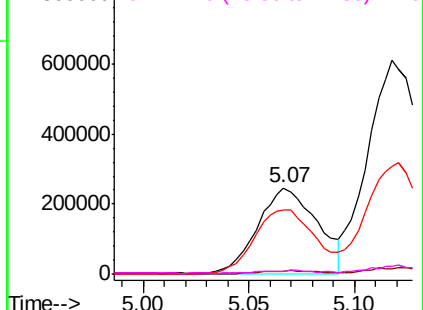
86 3.4 5.8 8.8#

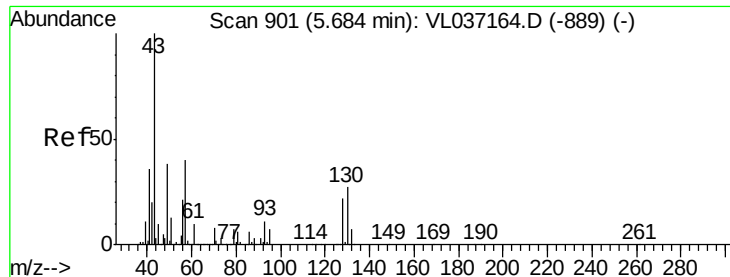
42 74.9 8.2 12.2#

44 2.2 4.2 6.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0





#25

Ethyl Acetate

Concen: 5.060 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1460556

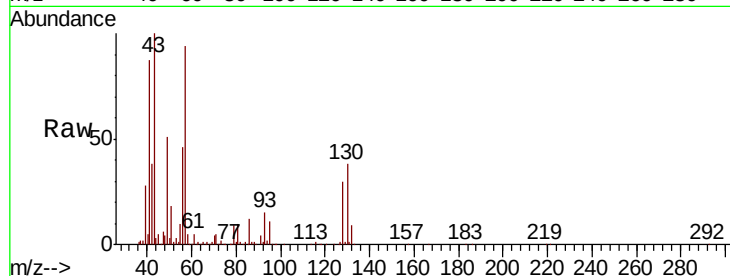
Ion Ratio Lower Upper

43 100

45 6.2 8.0 12.0#

61 5.3 8.1 12.1#

70 4.8 5.5 8.3#



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

800000

600000

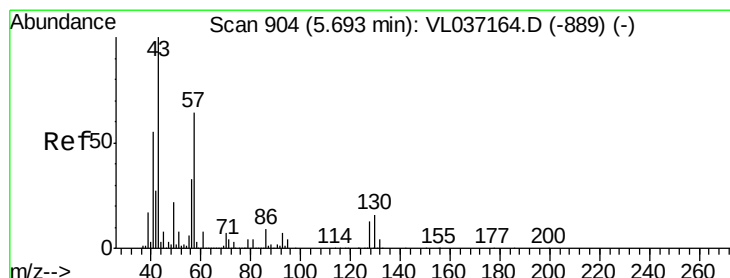
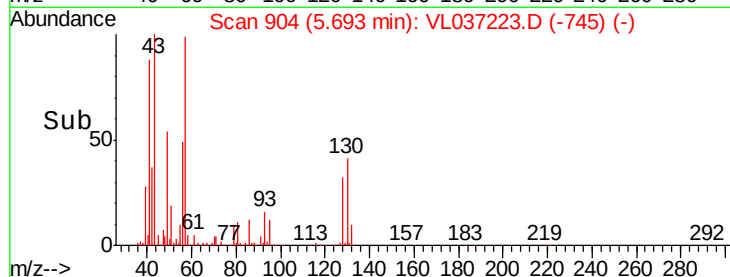
400000

200000

0

5.60 5.65 5.70 5.75 5.80

Time-->



#26

Hexane

Concen: 8.926 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.01 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

Tgt Ion: 57 Resp: 1302305

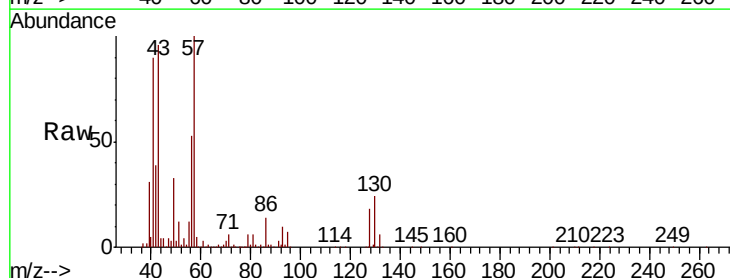
Ion Ratio Lower Upper

57 100

41 93.2 73.5 110.3

43 115.0 170.7 256.1#

56 53.0 42.4 63.6



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

1000000

800000

600000

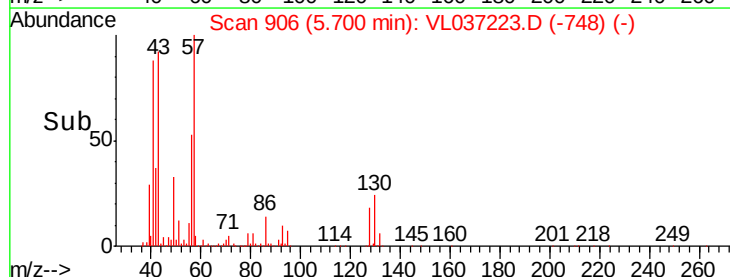
400000

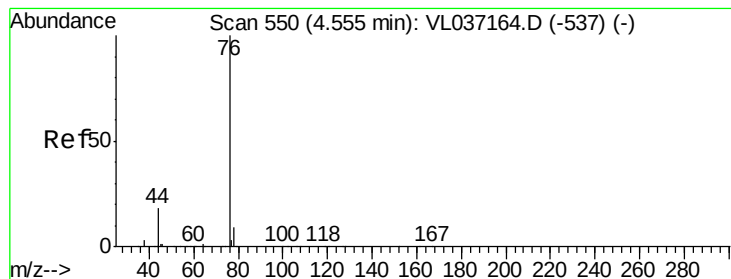
200000

0

5.60 5.70 5.80

Time-->





#27

Carbon Disulfide

Concen: 0.023 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.01 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

Instrument :

MSVOA_L

ClientSampleId :

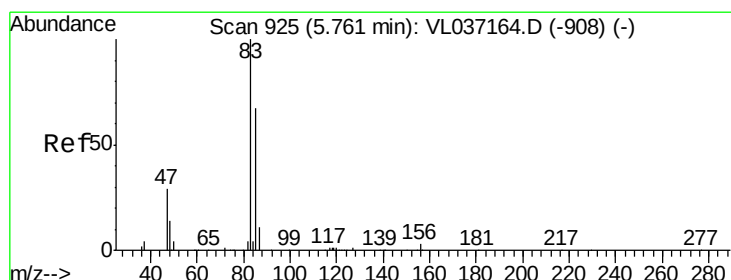
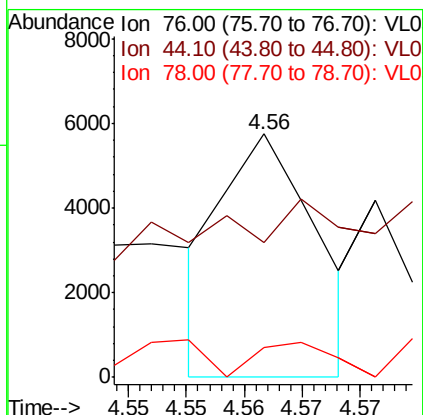
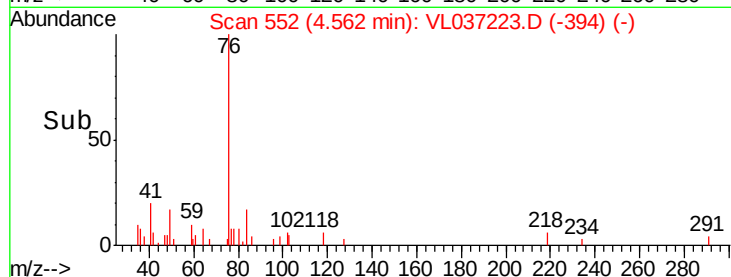
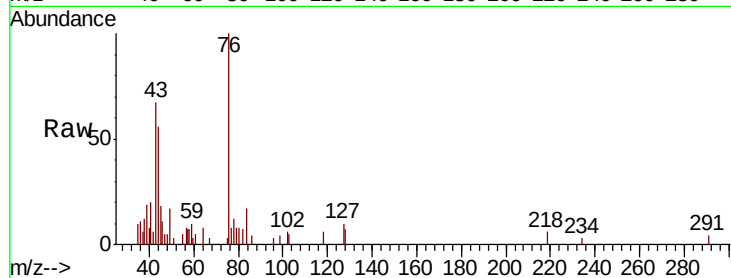
Tot Ion: 76 Resp: 3260

Ion Ratio Lower Upper

76 100

44 0.0 15.4 23.2#

78 0.0 8.0 12.0#



#29

Chloroform

Concen: 0.039 ppbv

RT: 5.76 min Scan# 925

Delta R.T. 0.00 min

Lab File: VL037223.D

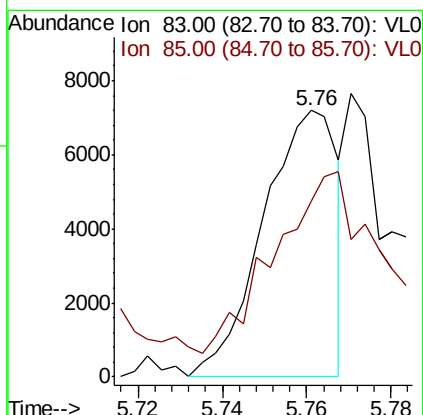
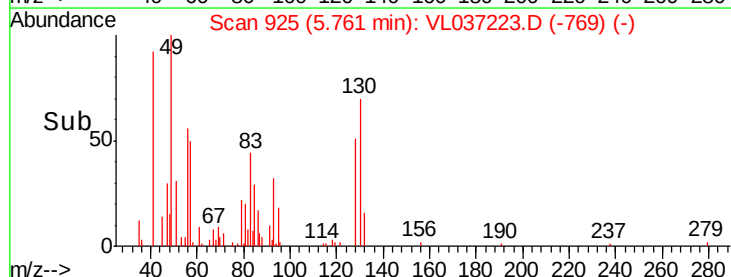
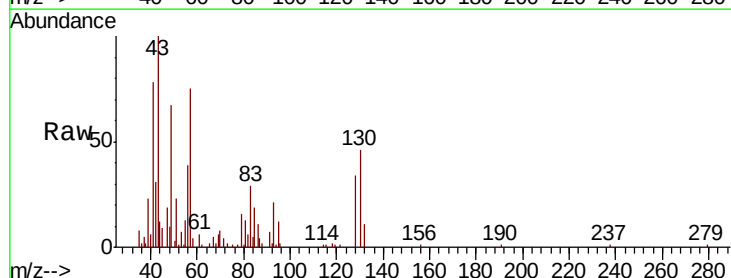
Acq: 22 Jun 2021 19:08

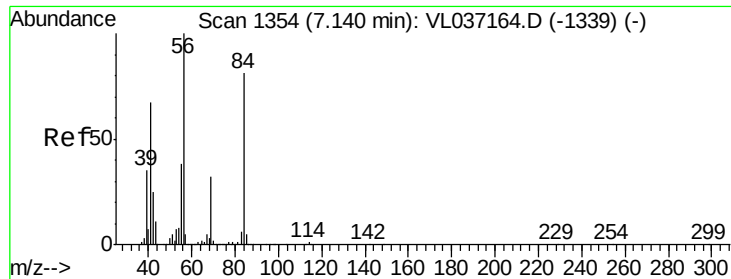
Tgt Ion: 83 Resp: 8774

Ion Ratio Lower Upper

83 100

85 54.6 53.6 80.4

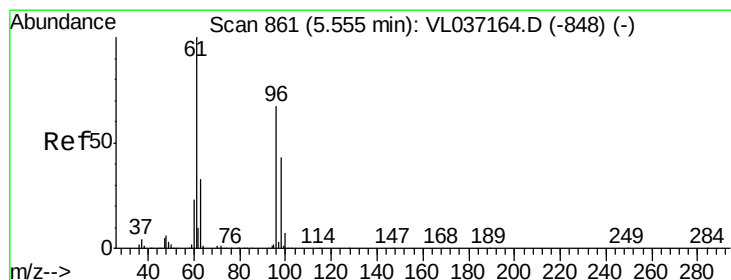
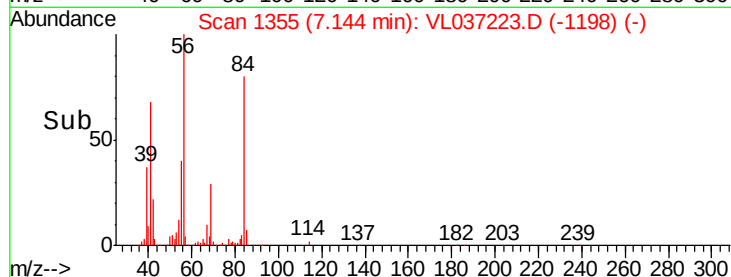
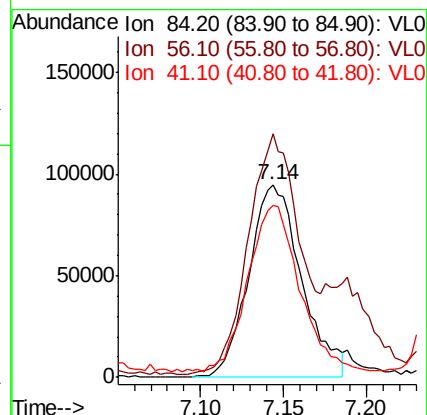
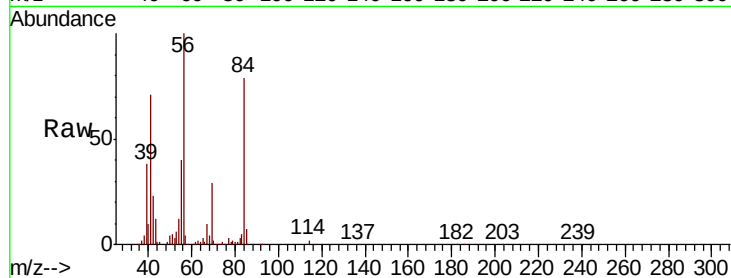




#30
Cyclohexane
Concen: 1.728 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.00 min
Lab File: VL037223.D
Acq: 22 Jun 2021 19:08

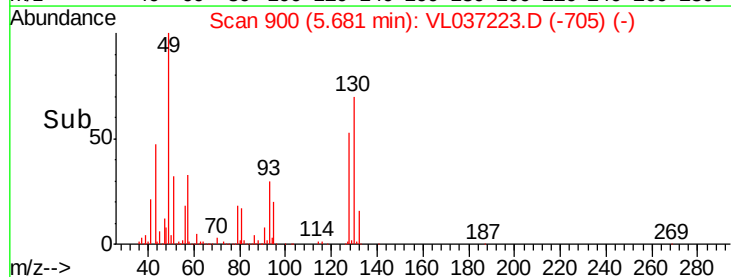
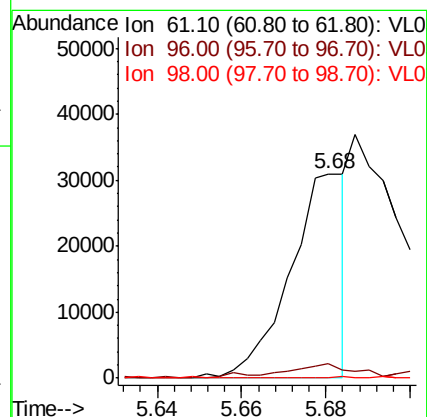
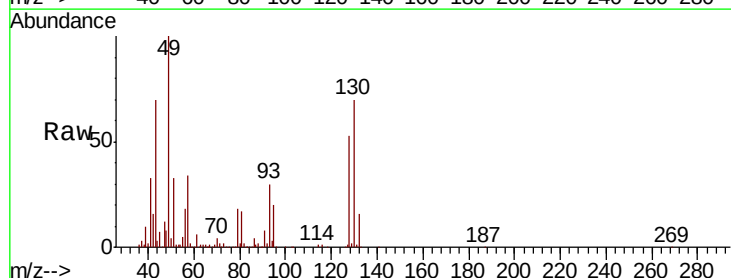
Instrument :
MSVOA_L
ClientSampleId :

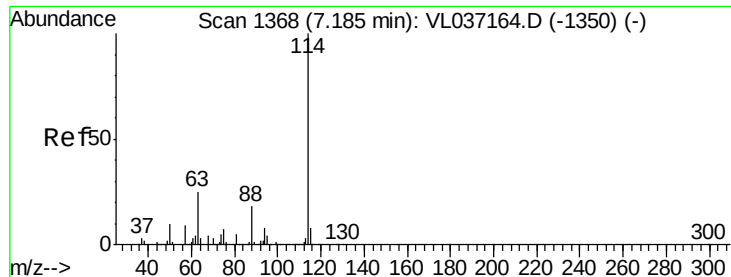
Tot Ion: 84 Resp: 210072
Ion Ratio Lower Upper
84 100
56 163.5 107.7 161.5#
41 88.0 69.0 103.6



#31
cis-1,2-Dichloroethene
Concen: 0.211 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.13 min
Lab File: VL037223.D
Acq: 22 Jun 2021 19:08

Tgt Ion: 61 Resp: 28345
Ion Ratio Lower Upper
61 100
96 7.1 53.6 80.4#
98 0.0 34.7 52.1#

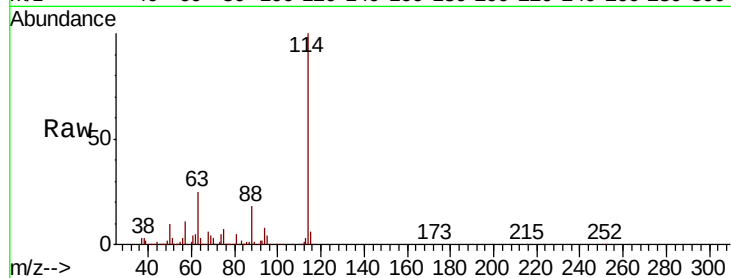




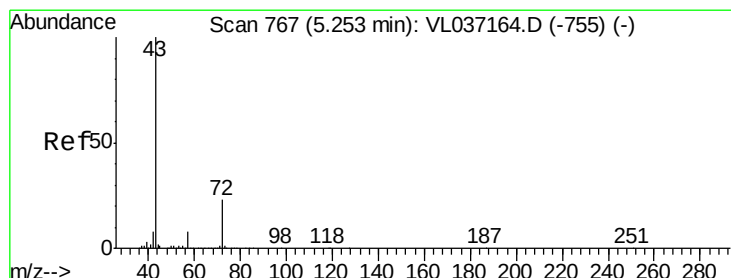
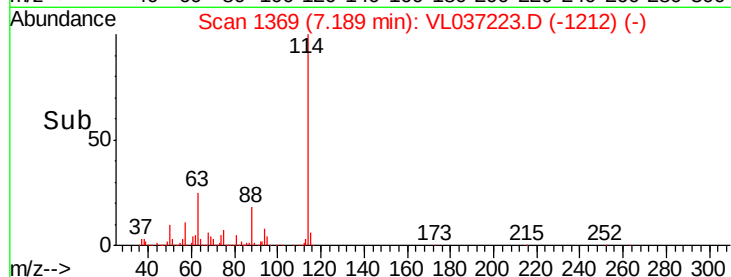
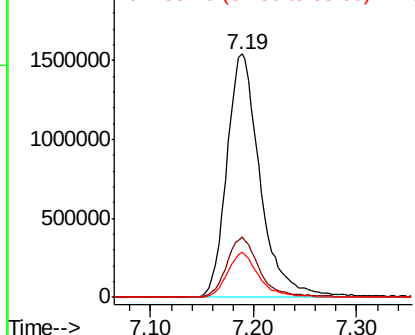
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VL037223.D
 Acq: 22 Jun 2021 19:08

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3461185
 Ion Ratio Lower Upper
 114 100
 63 24.7 19.6 29.4
 88 17.6 14.2 21.2

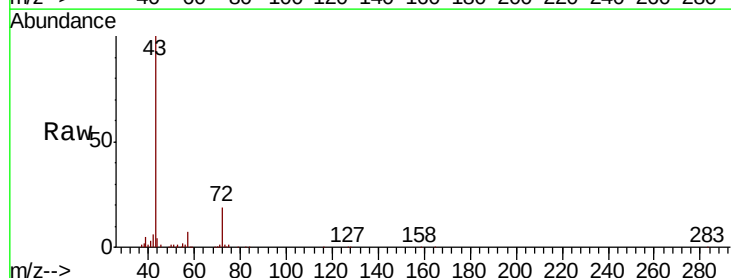


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

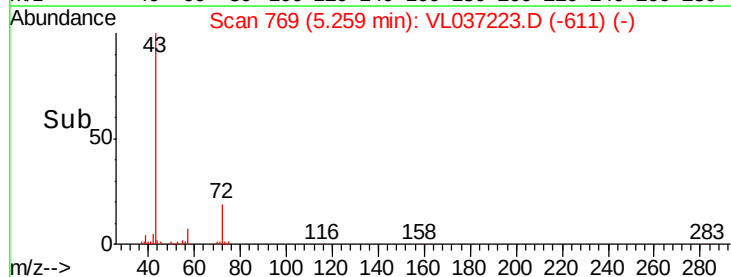
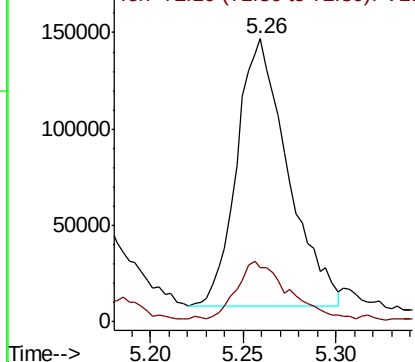


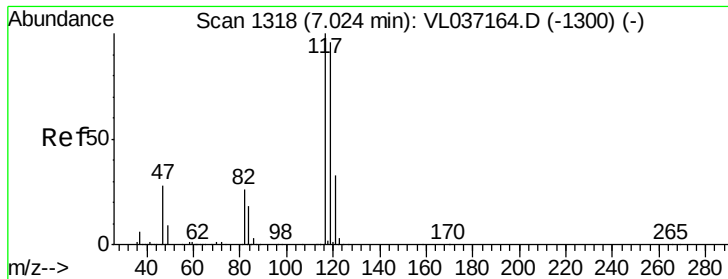
#34
 2-Butanone
 Concen: 1.973 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VL037223.D
 Acq: 22 Jun 2021 19:08

Tgt Ion: 43 Resp: 265518
 Ion Ratio Lower Upper
 43 100
 72 26.4 18.9 28.3



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





#35

Carbon Tetrachloride

Concen: 0.039 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

Instrument :

MSVOA_L

ClientSampleId :

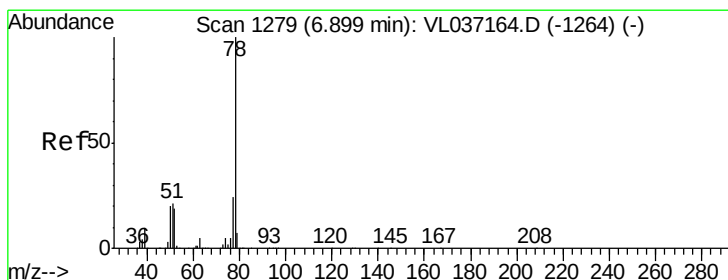
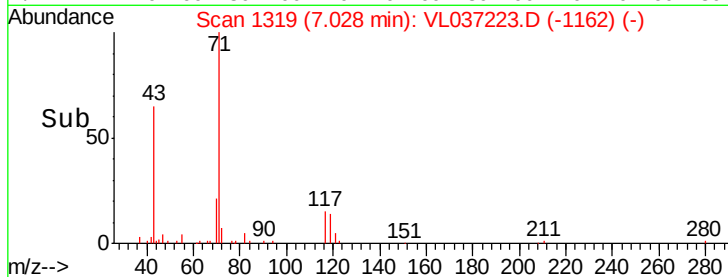
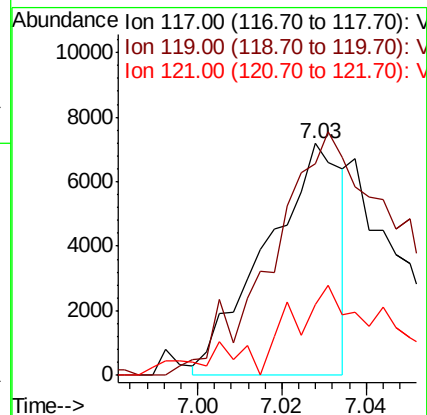
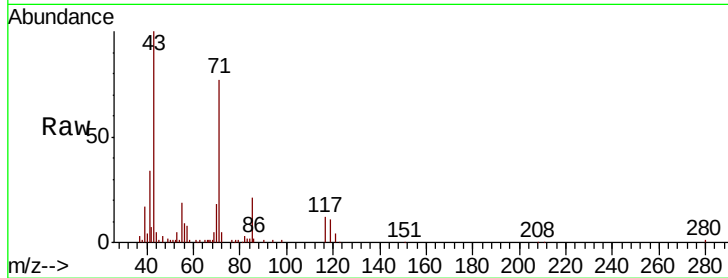
Tot Ion:117 Resp: 8990

Ion Ratio Lower Upper

117 100

119 88.2 76.6 114.8

121 26.0 26.4 39.6#



#36

Benzene

Concen: 0.144 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.00 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

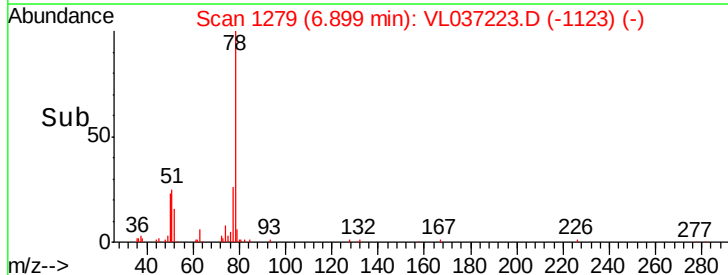
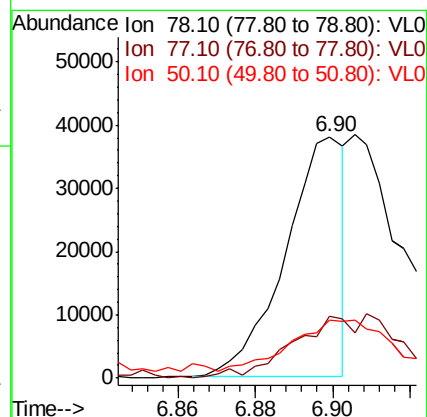
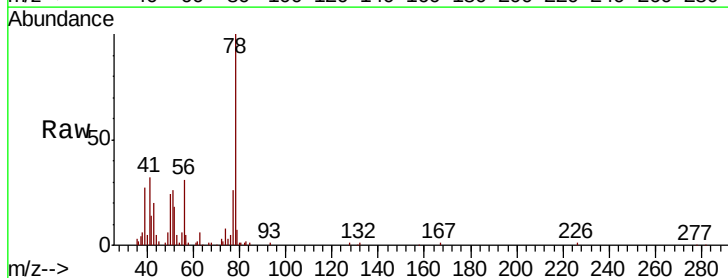
Tgt Ion: 78 Resp: 40329

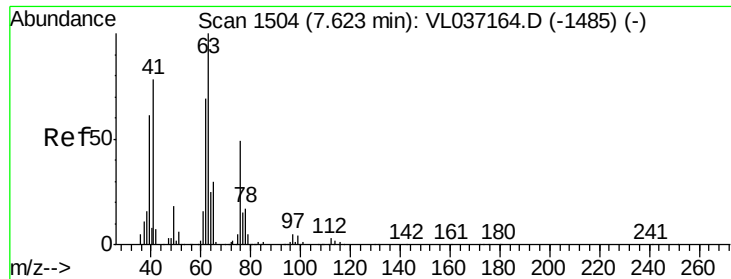
Ion Ratio Lower Upper

78 100

77 25.9 19.0 28.6

50 18.2 15.7 23.5





#39

1,2-Dichloropropane

Concen: 7.877 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.43 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

Instrument :

MSVOA_L

ClientSampleId :

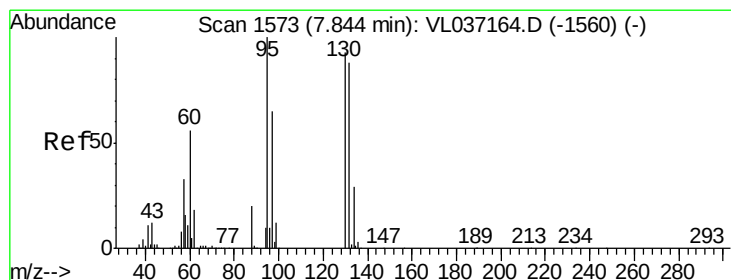
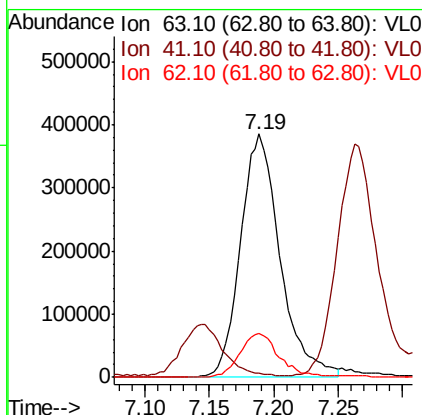
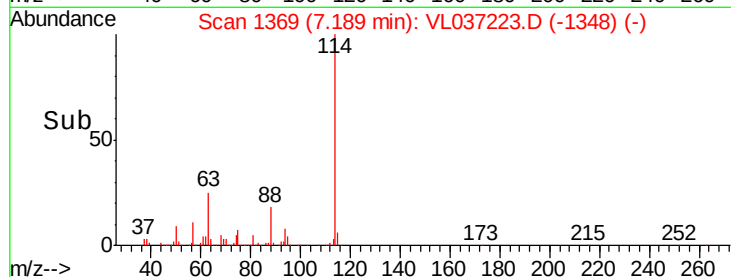
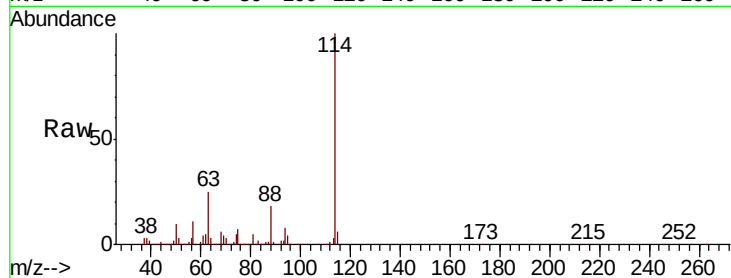
Tot Ion: 63 Resp: 819182

Ion Ratio Lower Upper

63 100

41 0.0 62.0 93.0#

62 17.8 54.9 82.3#



#40

1,4-Dioxane

Concen: 0.070 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

Tgt Ion: 88 Resp: 2009

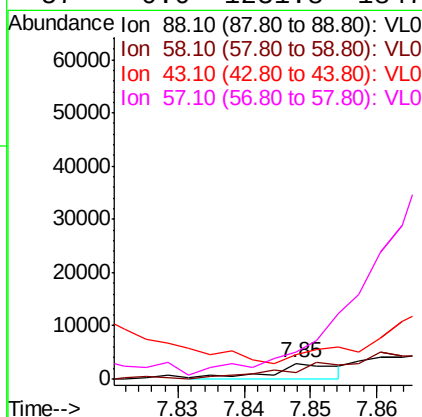
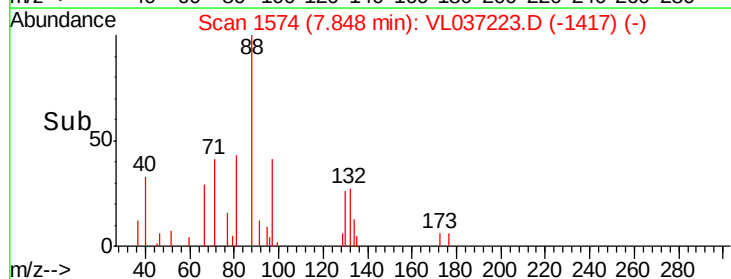
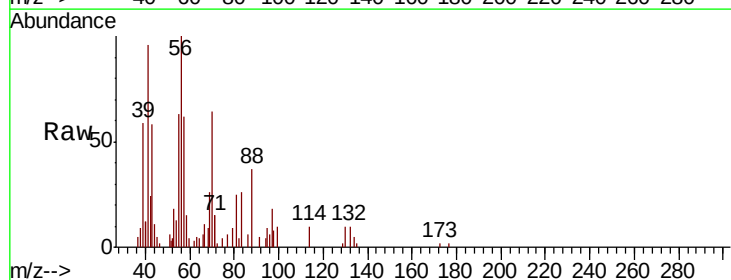
Ion Ratio Lower Upper

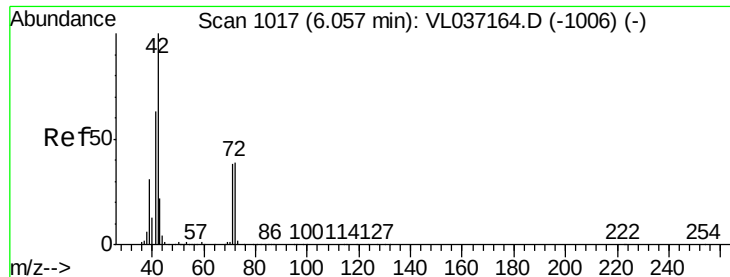
88 100

58 0.0 118.4 177.6#

43 0.0 284.0 426.0#

57 0.0 1231.8 1847.6#





#41

Tetrahydrofuran

Concen: 0.457 ppbv

RT: 6.23 min Scan# 1072

Delta R.T. 0.18 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

Instrument :

MSVOA_L

ClientSampleId :

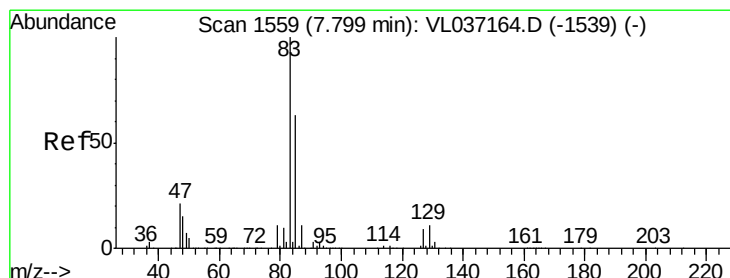
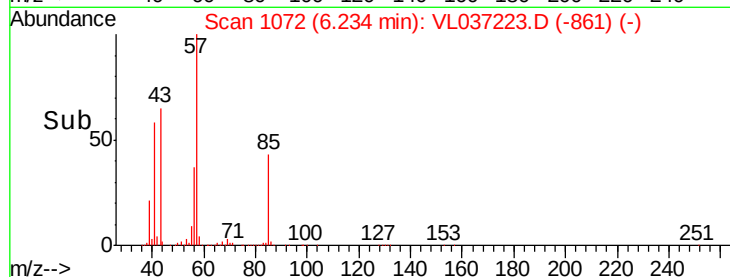
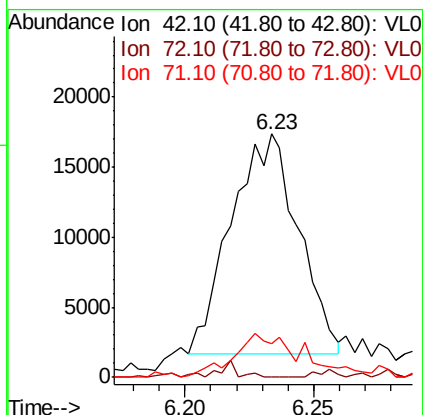
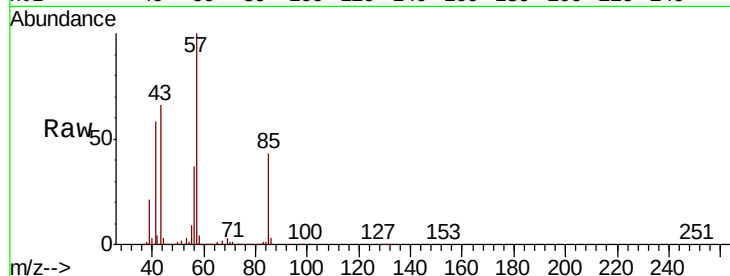
Tot Ion: 42 Resp: 28551

Ion Ratio Lower Upper

42 100

72 2.5 33.0 49.4#

71 22.1 31.0 46.6#



#42

Bromodichloromethane

Concen: 0.076 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

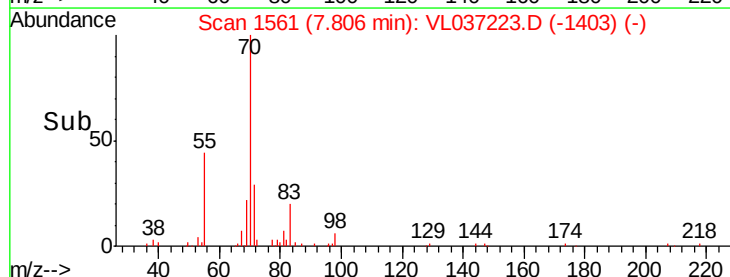
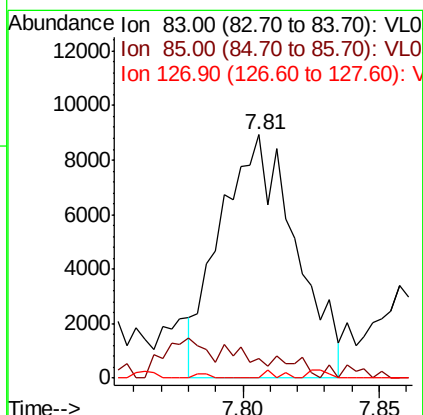
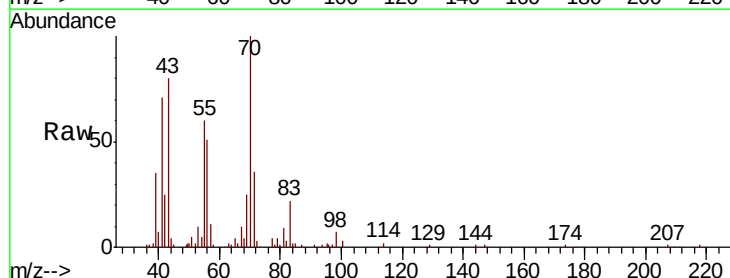
Tgt Ion: 83 Resp: 17030

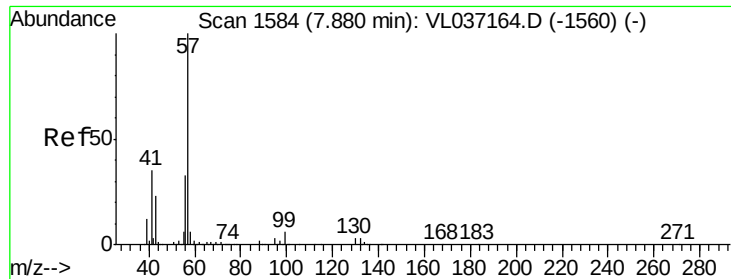
Ion Ratio Lower Upper

83 100

85 9.6 50.8 76.2#

127 0.0 7.0 10.6#





#44

2,2,4-Trimethylpentane

Concen: 0.290 ppbv

RT: 7.88 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

Instrument :

MSVOA_L

ClientSampled :

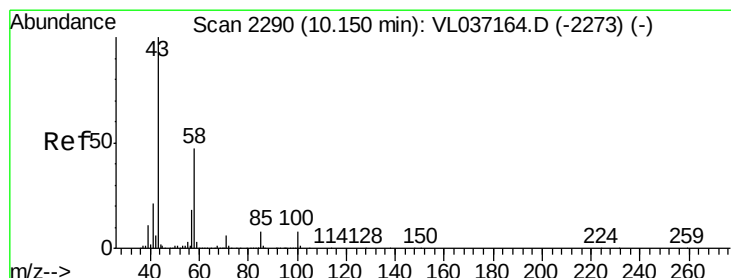
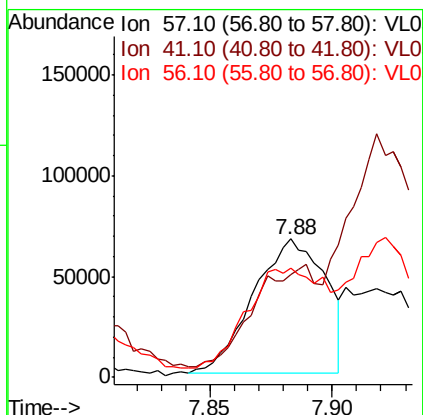
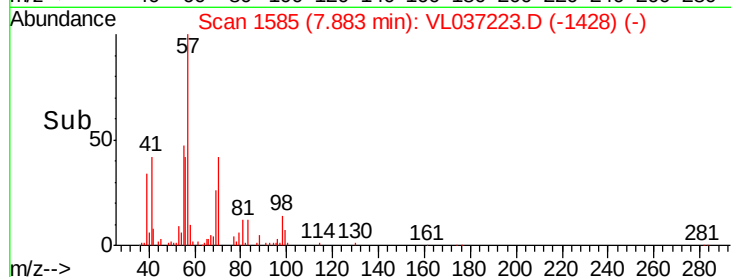
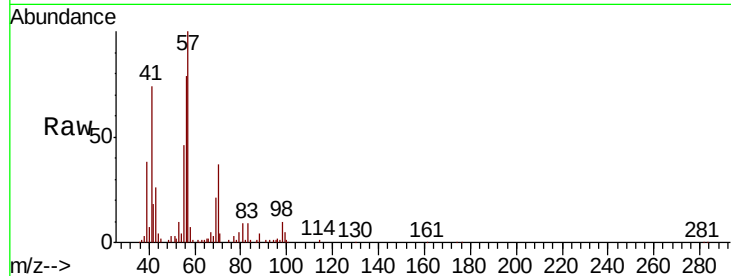
Tot Ion: 57 Resp: 136723

Ion Ratio Lower Upper

57 100

41 0.0 27.6 41.4#

56 100.2 25.3 37.9#



#51

2-Hexanone

Concen: 0.067 ppbv

RT: 10.16 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

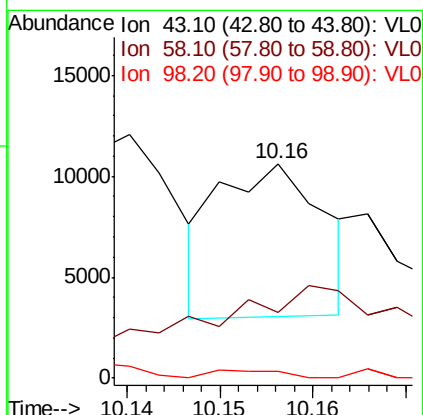
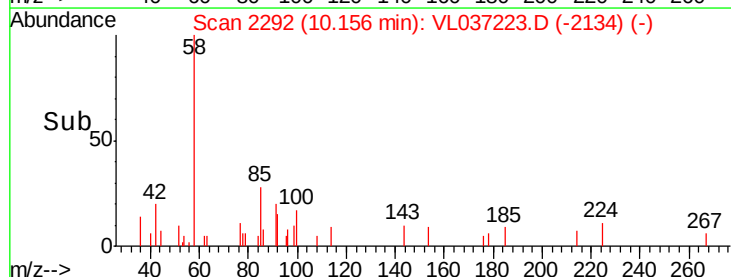
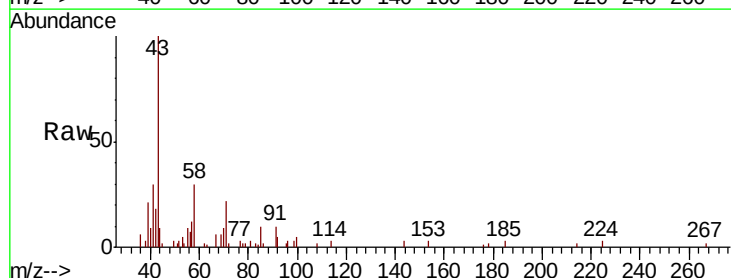
Tgt Ion: 43 Resp: 5989

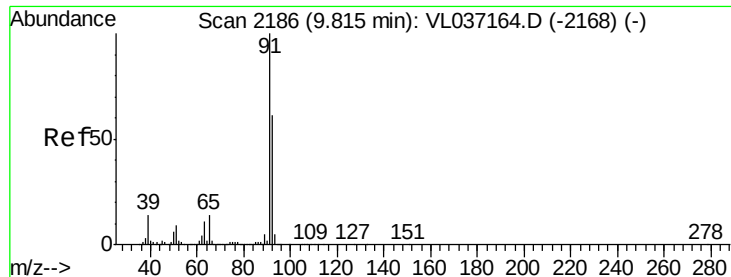
Ion Ratio Lower Upper

43 100

58 187.8 38.4 57.6#

98 0.0 0.3 0.5#





#53

Toluene

Concen: 2.813 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

Instrument :

MSVOA_L

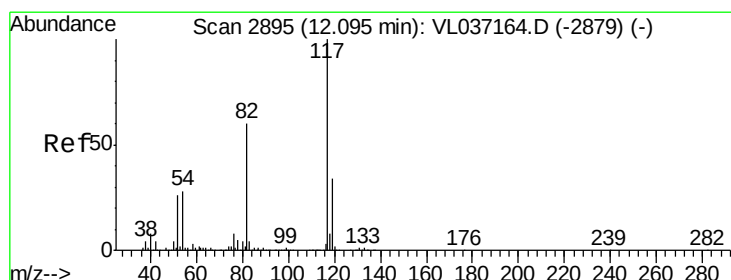
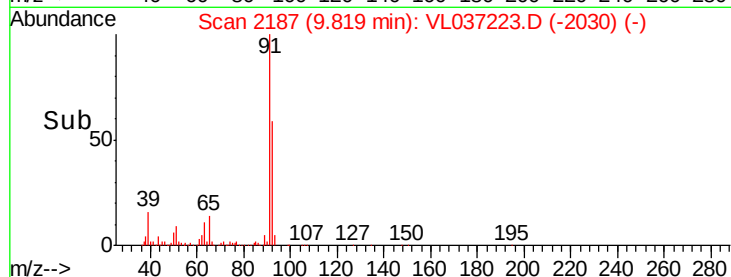
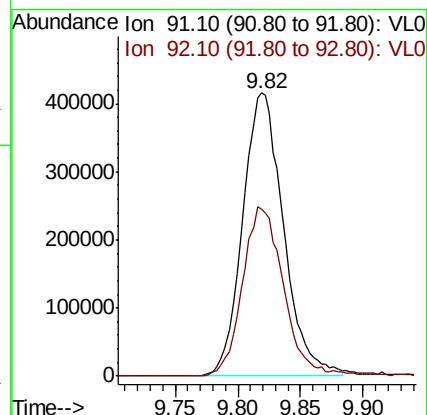
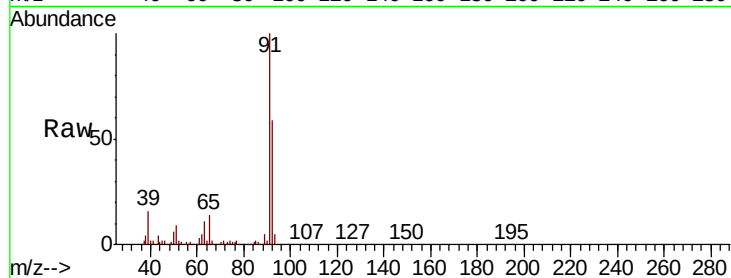
ClientSampleId :

Tot Ion: 91 Resp: 940340

Ion Ratio Lower Upper

91 100

92 60.0 48.3 72.5



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. 0.00 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

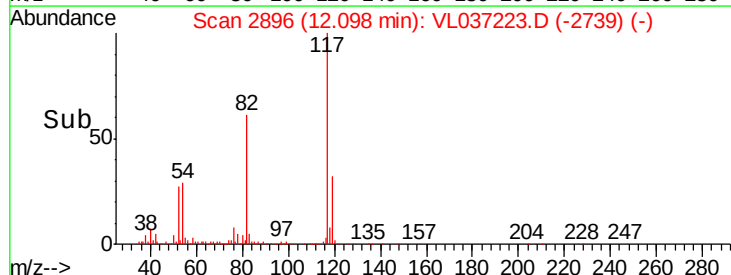
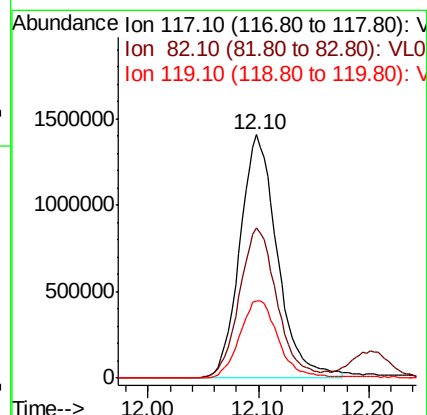
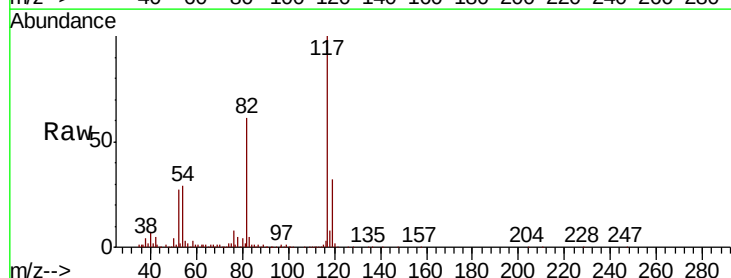
Tgt Ion: 117 Resp: 3309711

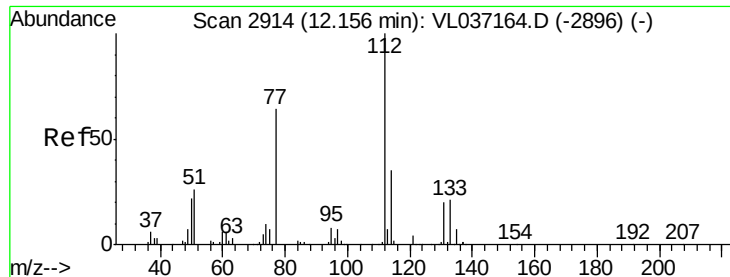
Ion Ratio Lower Upper

117 100

82 62.4 51.7 77.5

119 33.6 47.6 71.4#

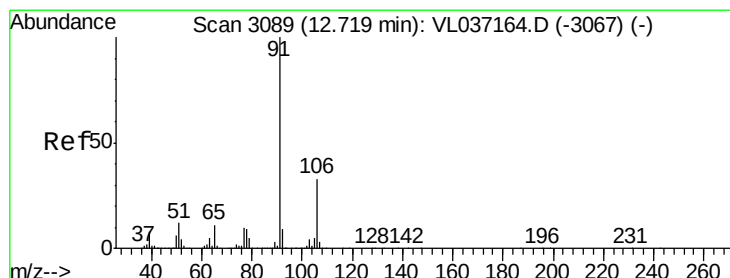
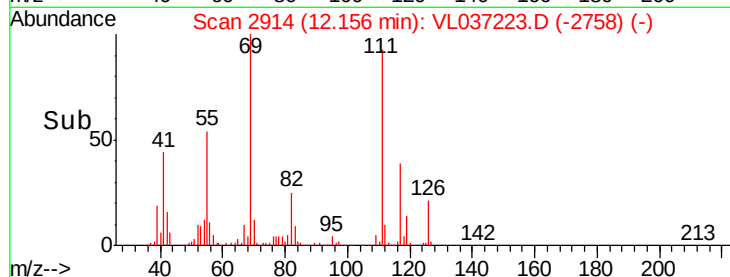
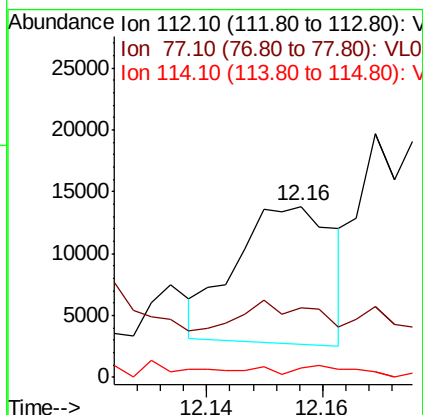
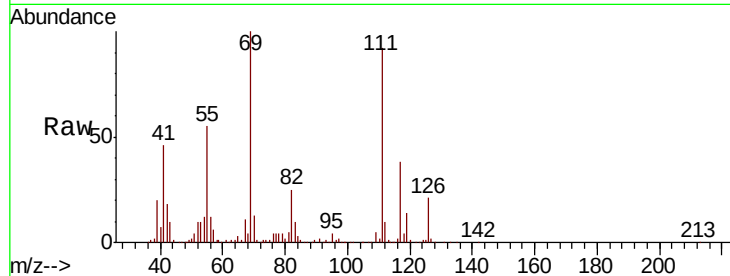




#57
Chlorobenzene
Concen: 0.049 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL037223.D
Acq: 22 Jun 2021 19:08

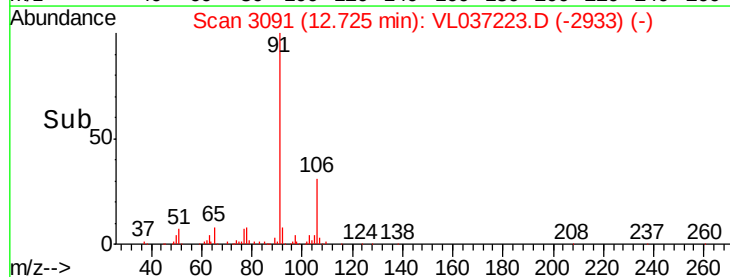
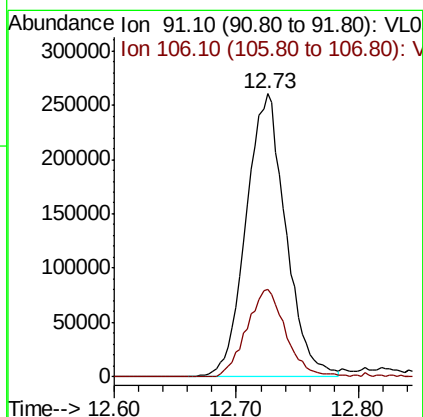
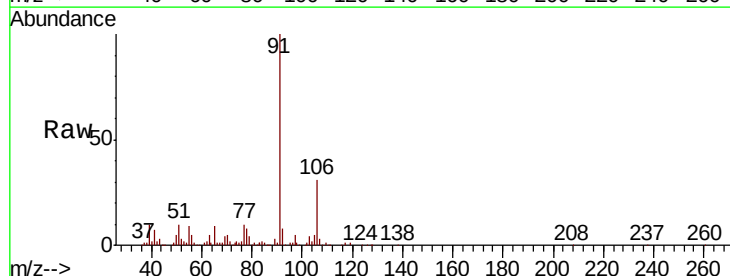
Instrument :
MSVOA_L
ClientSampled :

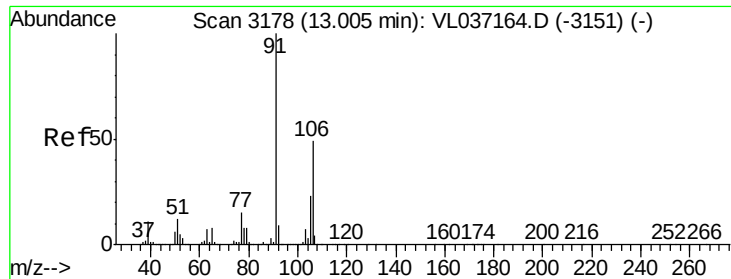
Tot Ion:112 Resp: 13031
Ion Ratio Lower Upper
112 100
77 25.4 52.2 78.4#
114 8.2 31.1 38.1#



#58
Ethyl Benzene
Concen: 1.273 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. 0.01 min
Lab File: VL037223.D
Acq: 22 Jun 2021 19:08

Tgt Ion: 91 Resp: 580055
Ion Ratio Lower Upper
91 100
106 30.8 26.3 39.5

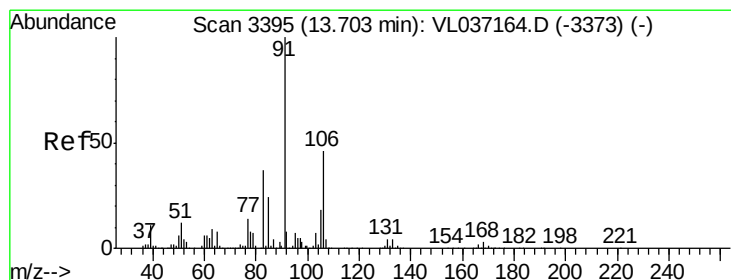
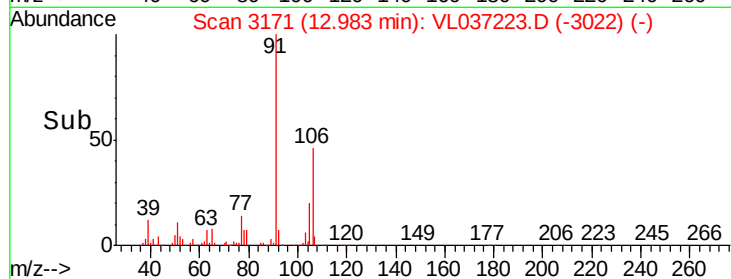
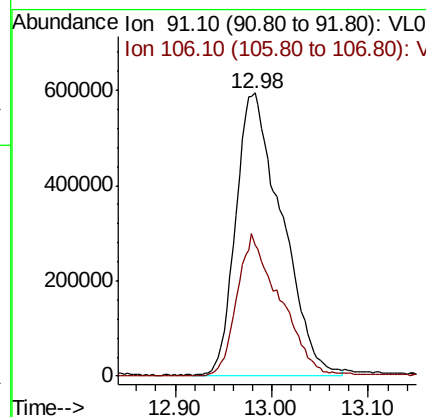
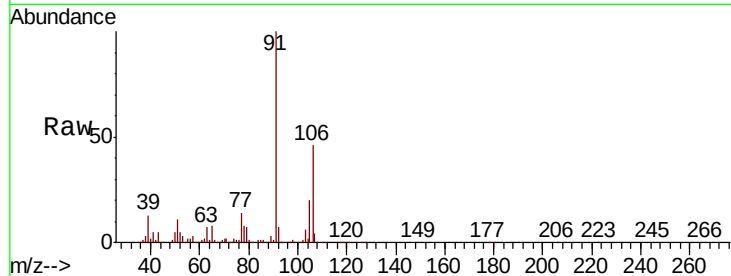




#59
m/p-Xylene
Concen: 5.057 ppbv
RT: 12.98 min Scan# 3171
Delta R.T. -0.02 min
Lab File: VL037223.D
Acq: 22 Jun 2021 19:08

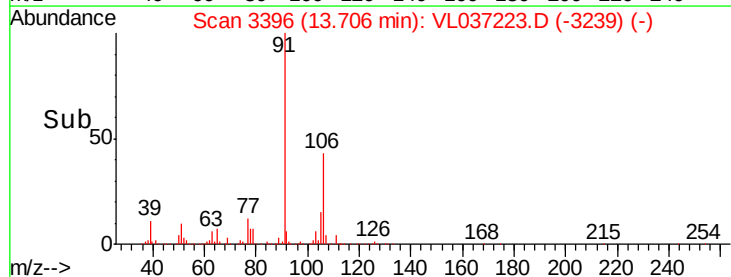
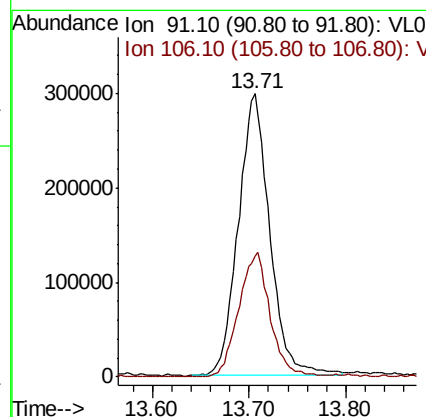
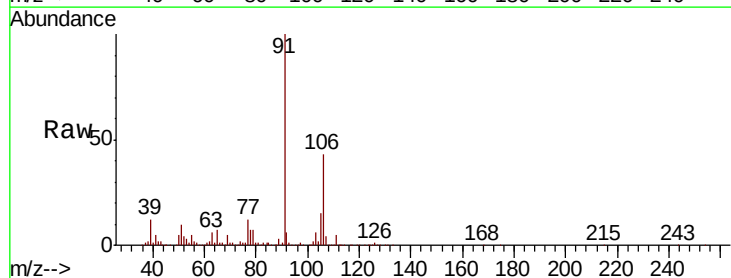
Instrument :
MSVOA_L
ClientSampleId :

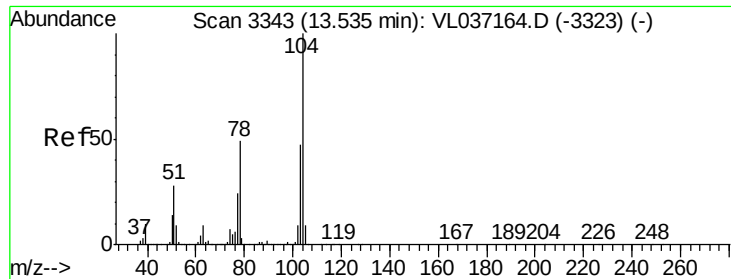
Tot Ion: 91 Resp: 1952490
Ion Ratio Lower Upper
91 100
106 47.6 37.0 55.4



#60
o-Xylene
Concen: 1.841 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.00 min
Lab File: VL037223.D
Acq: 22 Jun 2021 19:08

Tgt Ion: 91 Resp: 676736
Ion Ratio Lower Upper
91 100
106 43.8 23.0 69.0





#61

Stvrene

Concen: 0.595 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

Instrument :

MSVOA_L

ClientSampleId :

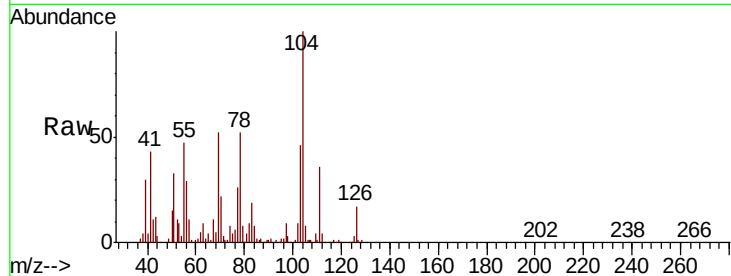
Tot Ion:104 Resp: 112972

Ion Ratio Lower Upper

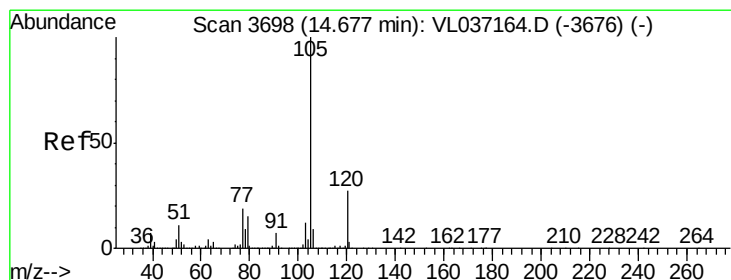
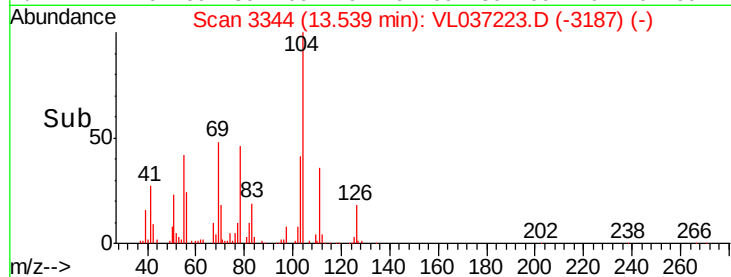
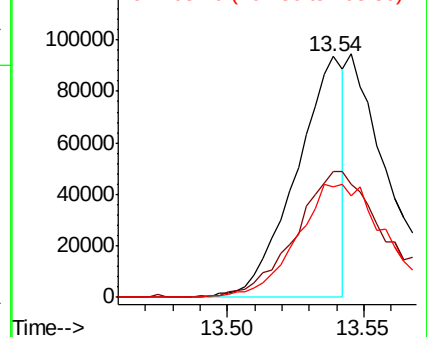
104 100

78 0.0 39.7 59.5#

103 92.6 37.6 56.4#



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: 0.095 ppbv

RT: 14.68 min Scan# 3699

Delta R.T. 0.00 min

Lab File: VL037223.D

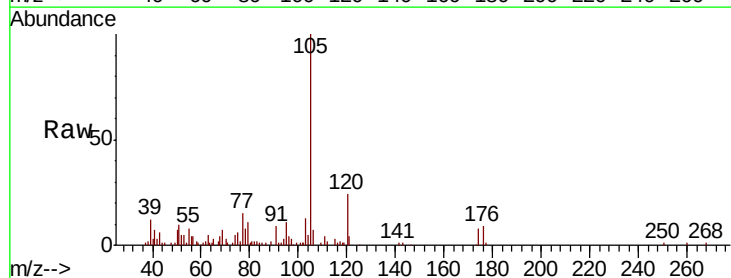
Acq: 22 Jun 2021 19:08

Tgt Ion:105 Resp: 49862

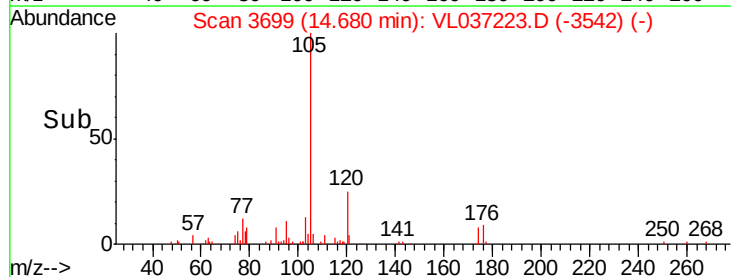
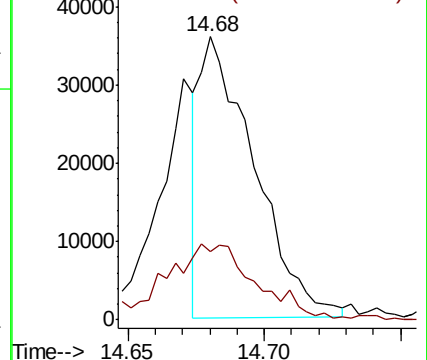
Ion Ratio Lower Upper

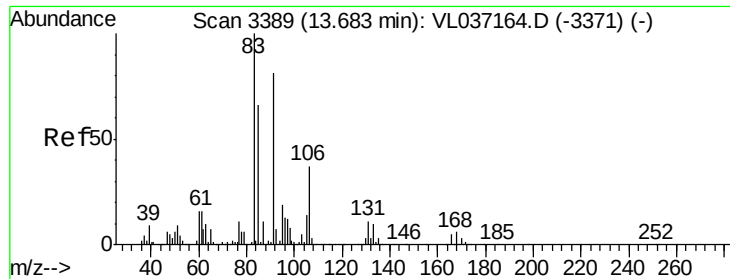
105 100

120 45.9 21.6 32.4#



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V

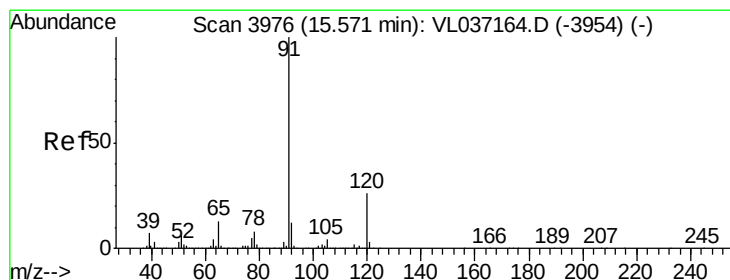
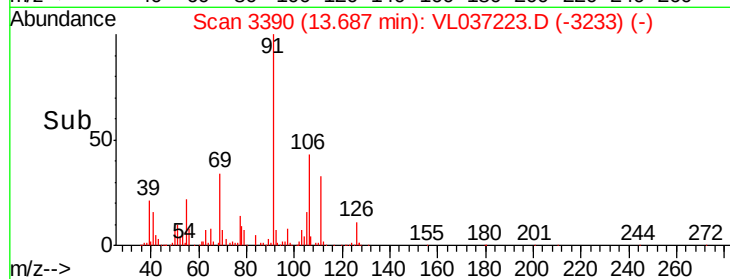
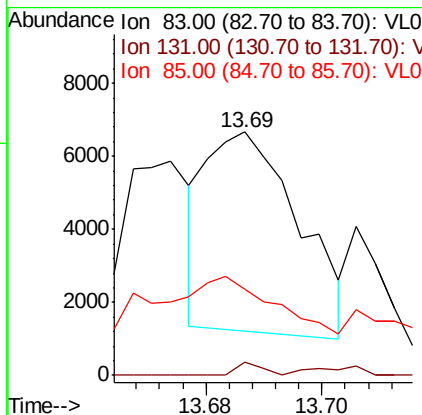
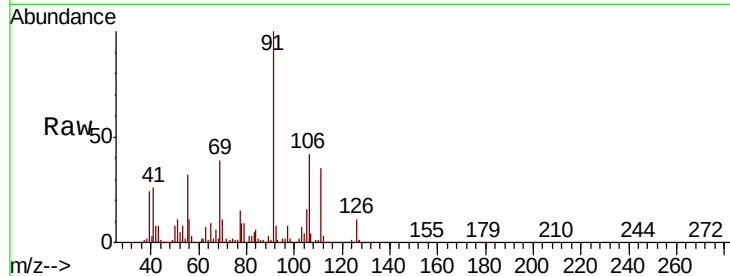




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.025 ppbv
 RT: 13.69 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VL037223.D
 Acq: 22 Jun 2021 19:08

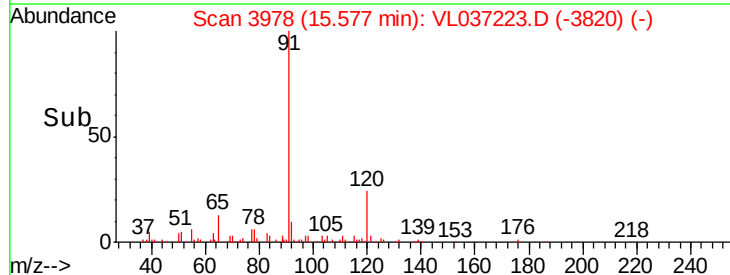
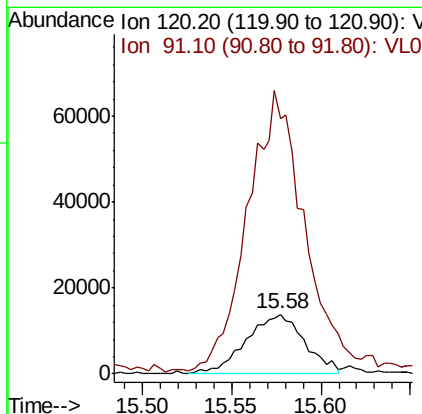
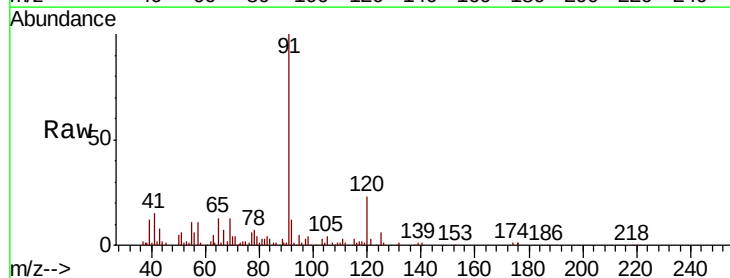
Instrument :
 MSVOA_L
 ClientSampleId :

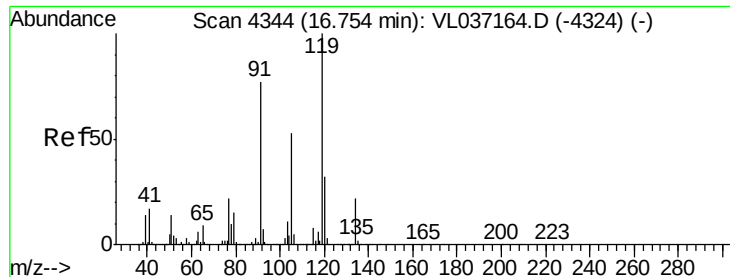
Tot Ion: 83 Resp: 6017
 Ion Ratio Lower Upper
 83 100
 131 4.1 5.4 16.2#
 85 107.5 33.1 99.2#



#64
 n-propylbenzene
 Concen: 0.236 ppbv
 RT: 15.58 min Scan# 3978
 Delta R.T. 0.01 min
 Lab File: VL037223.D
 Acq: 22 Jun 2021 19:08

Tgt Ion:120 Resp: 30872
 Ion Ratio Lower Upper
 120 100
 91 489.5 343.3 514.9

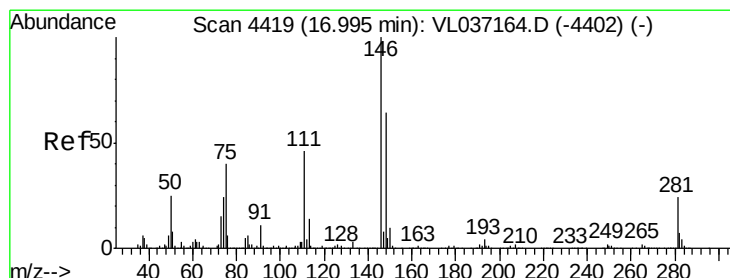
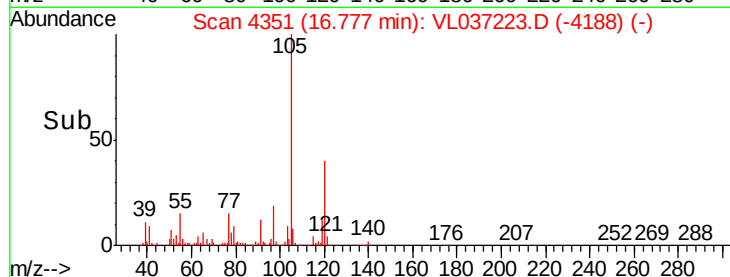
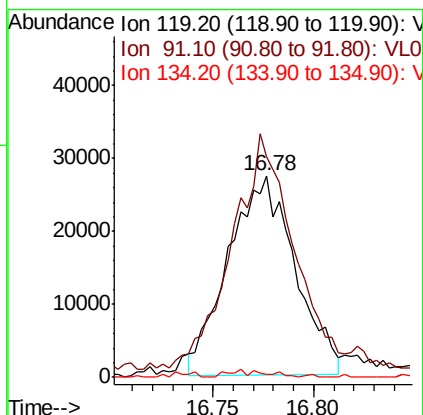
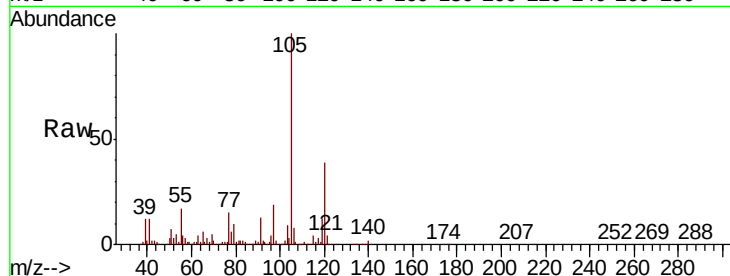




#65
tert-Butylbenzene
Concen: 0.136 ppbv
RT: 16.78 min Scan# 4351
Delta R.T. 0.02 min
Lab File: VL037223.D
Acq: 22 Jun 2021 19:08

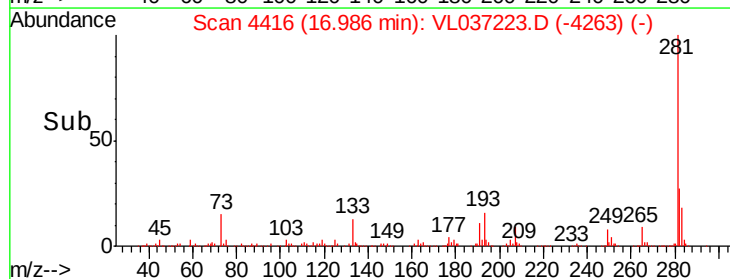
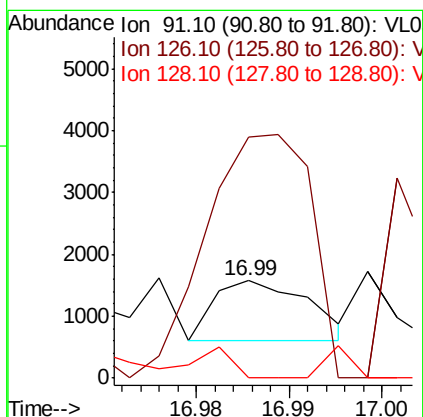
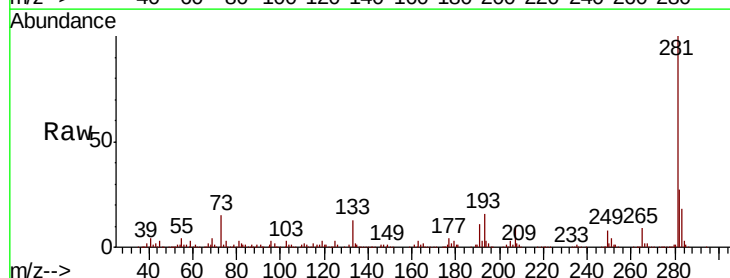
Instrument :
MSVOA_L
ClientSampleId :

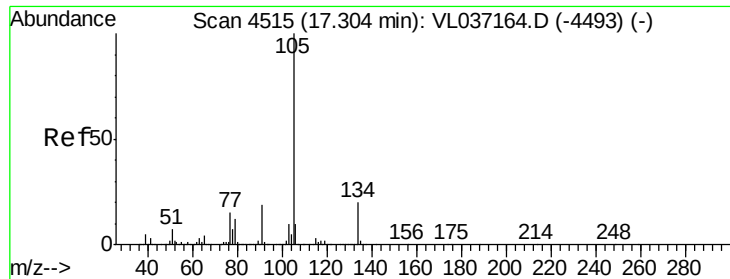
Tot Ion:119 Resp: 63290
Ion Ratio Lower Upper
119 100
91 119.5 62.6 93.8#
134 2.5 16.2 24.4#



#66
Benzyl Chloride
Concen: 0.035 ppbv
RT: 16.99 min Scan# 4416
Delta R.T. -0.01 min
Lab File: VL037223.D
Acq: 22 Jun 2021 19:08

Tgt Ion: 91 Resp: 683
Ion Ratio Lower Upper
91 100
126 941.0 15.5 23.3#
128 69.1 5.7 8.5#





#67

sec-Butylbenzene

Concen: 0.030 ppbv

RT: 17.31 min Scan# 4516

Delta R.T. 0.00 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

Instrument :

MSVOA_L

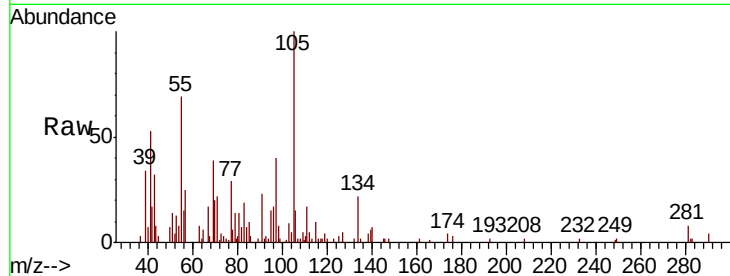
ClientSampleId :

Tot Ion:105 Resp: 18619

Ion Ratio Lower Upper

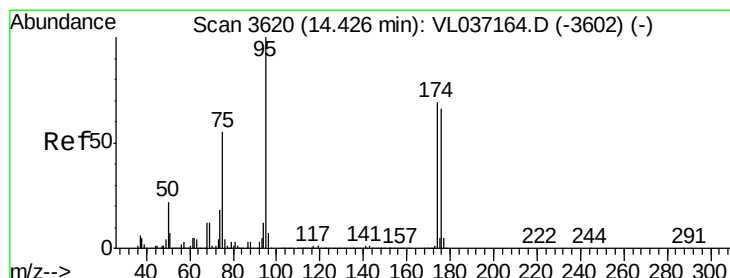
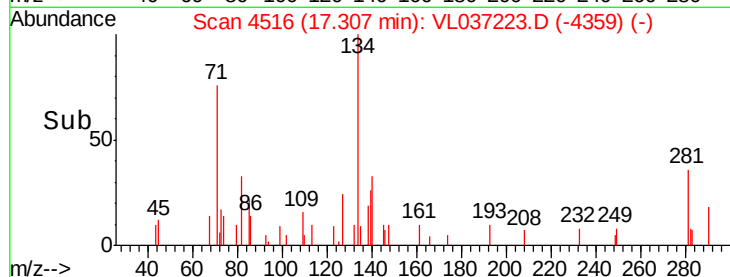
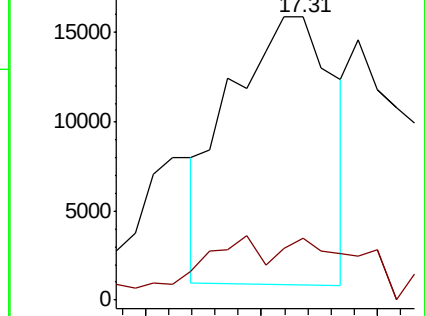
105 100

134 45.0 15.8 23.6#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.484 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.00 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

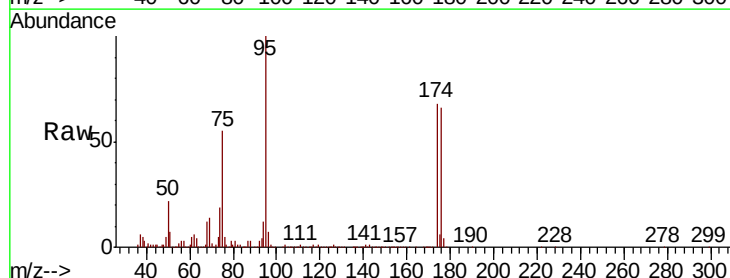
Tgt Ion: 95 Resp: 2629441

Ion Ratio Lower Upper

95 100

174 72.7 57.0 85.4

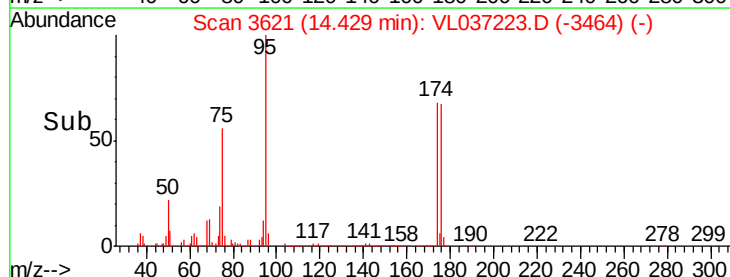
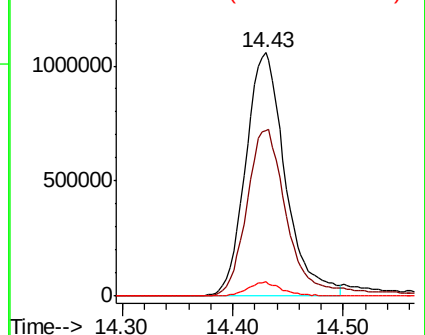
175 5.4 4.4 6.6

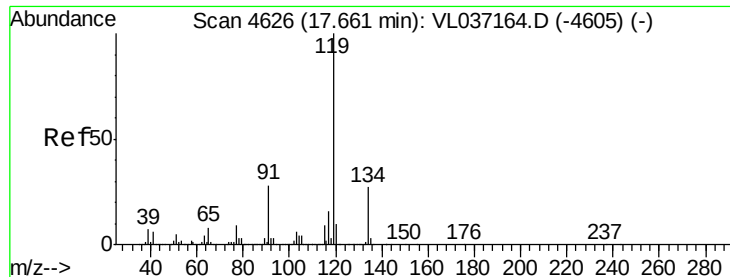


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 0.052 ppbv

RT: 17.66 min Scan# 4627

Delta R.T. 0.00 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

Instrument :

MSVOA_L

ClientSampleId :

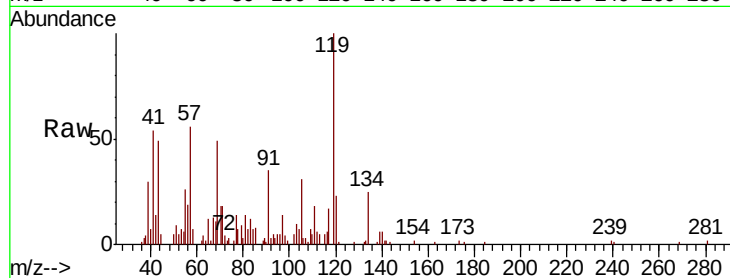
Tot Ion: 119 Resp: 27308

Ion Ratio Lower Upper

119 100

134 42.8 20.9 31.3#

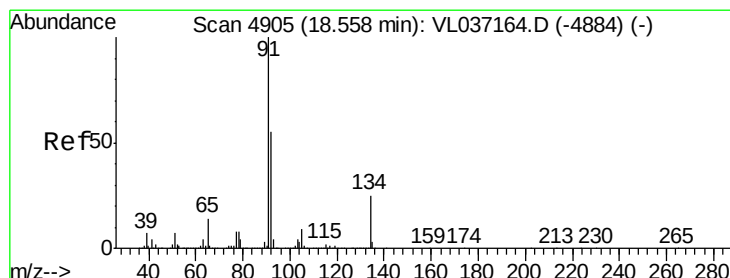
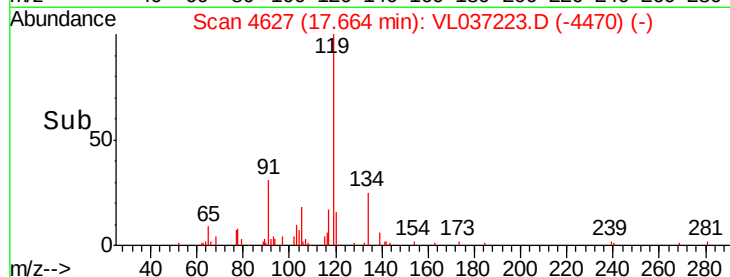
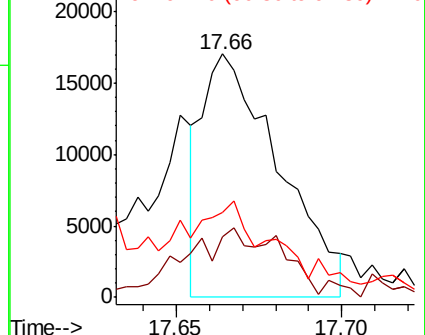
91 40.6 22.6 34.0#



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 0.045 ppbv

RT: 18.56 min Scan# 4905

Delta R.T. 0.00 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

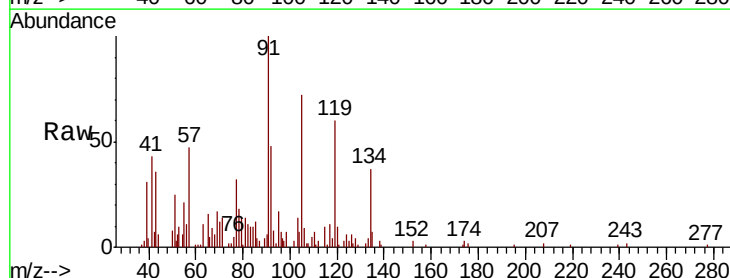
Tgt Ion: 91 Resp: 21939

Ion Ratio Lower Upper

91 100

92 119.2 44.0 66.0#

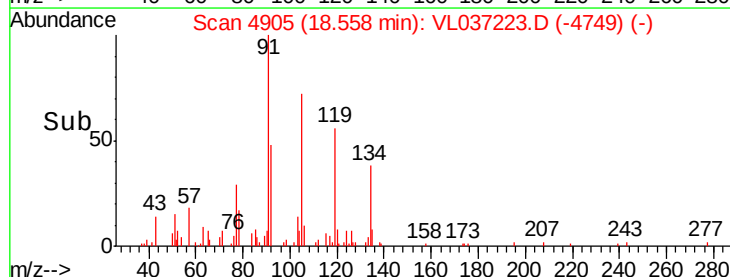
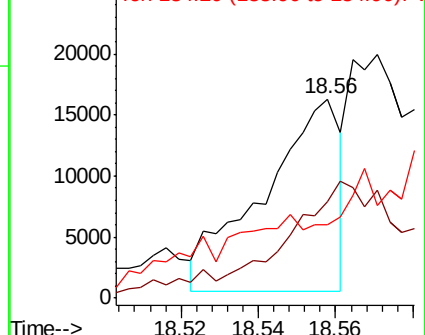
134 0.0 20.2 30.4#

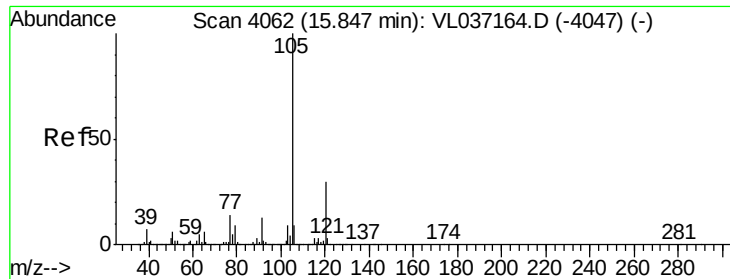


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#72

4-Ethyltoluene

Concen: 0.363 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. 0.01 min

Lab File: VL037223.D

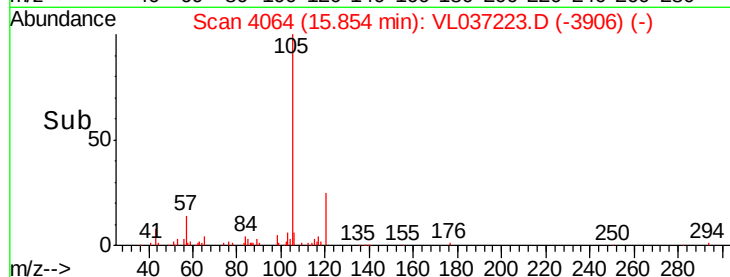
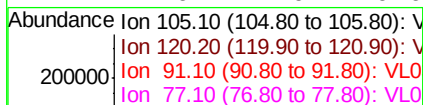
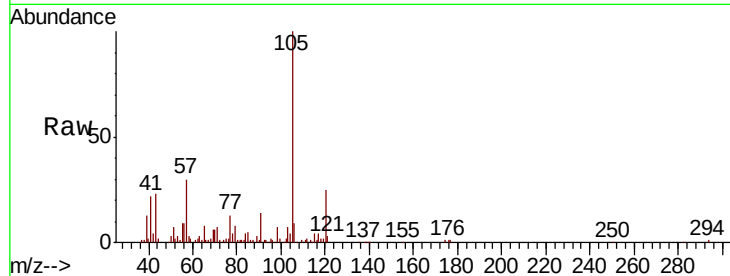
Acq: 22 Jun 2021 19:08

Instrument :

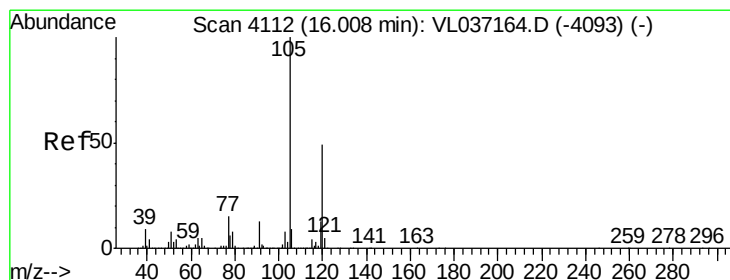
MSVOA_L

ClientSampleId :

Tot Ion:105	Resp:	151819
Ion Ratio	Lower	Upper
105	100	
120	36.9	24.7 37.1
91	16.5	10.2 15.4#
77	17.6	11.0 16.6#



Time-->



#73

1,3,5-Trimethylbenzene

Concen: 0.476 ppbv

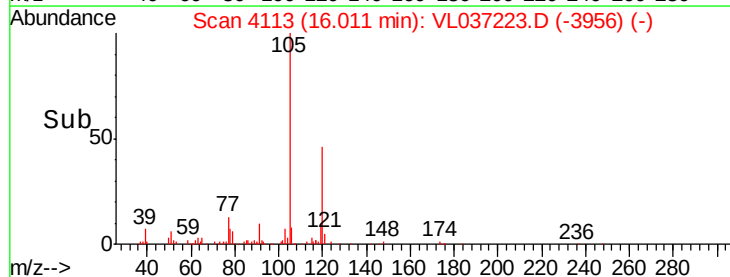
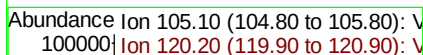
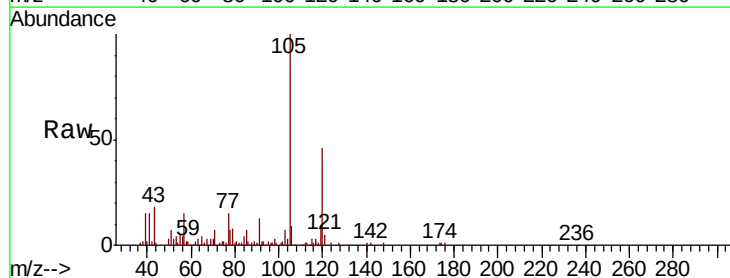
RT: 16.01 min Scan# 4113

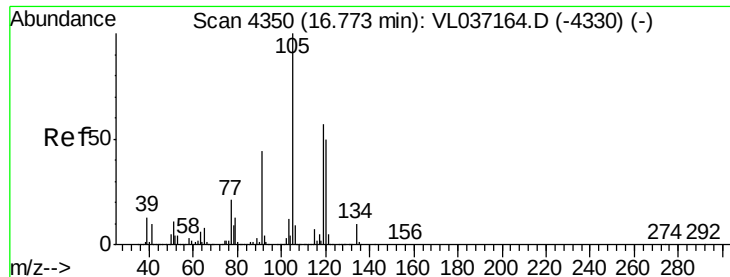
Delta R.T. 0.00 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

Tgt Ion:105	Resp:	192318
Ion Ratio	Lower	Upper
105	100	
120	46.0	39.4 59.2





#74

1,2,4-Trimethylbenzene

Concen: 1.360 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. 0.00 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 565859

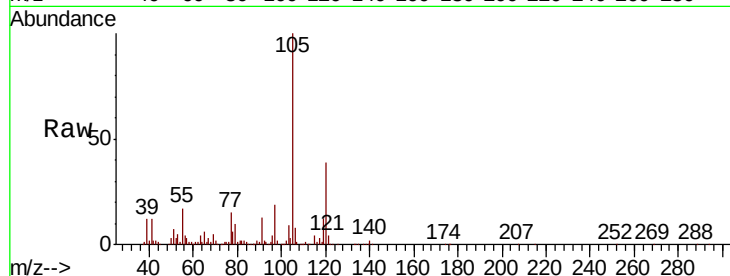
Ion Ratio Lower Upper

105 100

120 39.5 39.8 59.8#

91 12.2 37.0 55.4#

77 14.7 17.0 25.4#

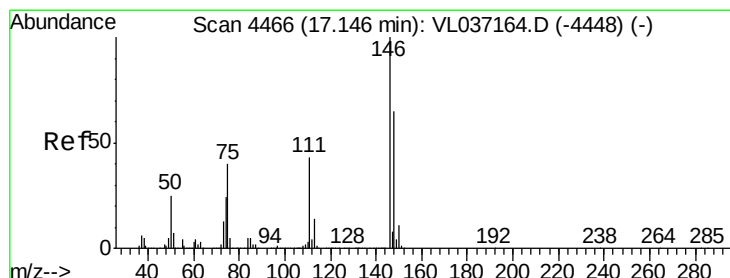
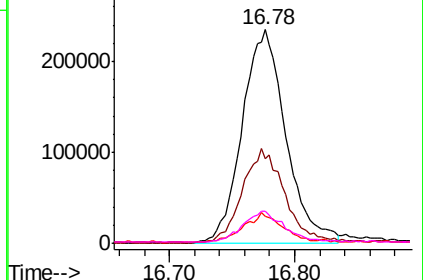
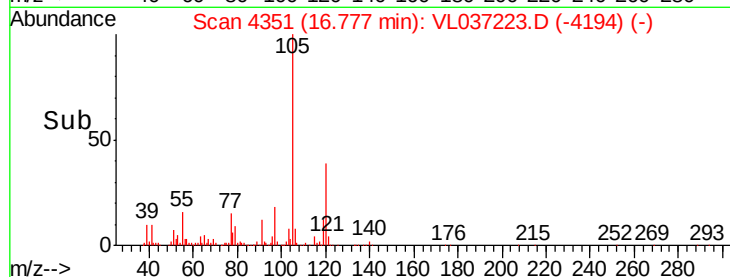


Abundance Ion 105.10 (104.80 to 105.80): V

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



#76

1,4-Dichlorobenzene

Concen: 0.028 ppbv

RT: 17.15 min Scan# 4468

Delta R.T. 0.01 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

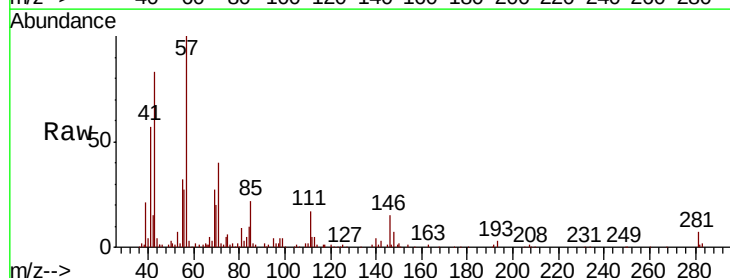
Tgt Ion:146 Resp: 7028

Ion Ratio Lower Upper

146 100

111 0.0 22.7 68.0#

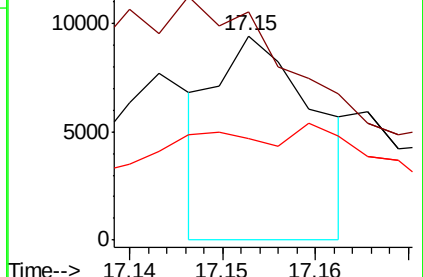
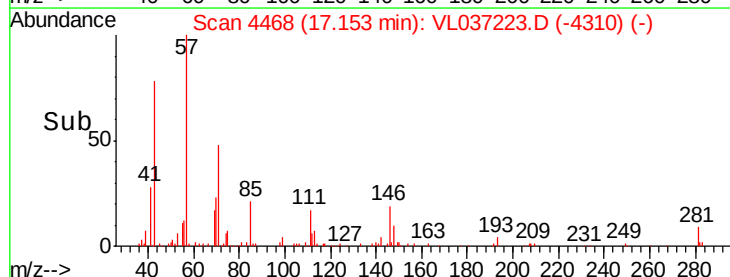
148 0.0 33.7 101.1#

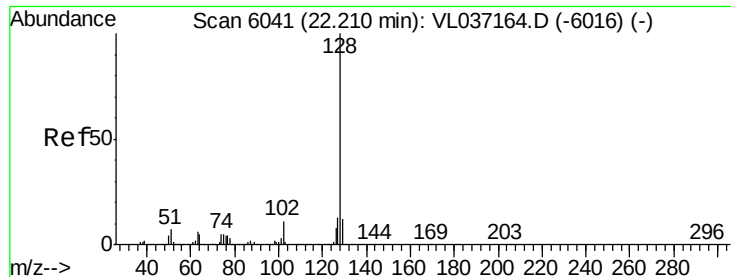


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#79

Naphthalene

Concen: 0.157 ppbv

RT: 22.22 min Scan# 6045

Delta R.T. 0.01 min

Lab File: VL037223.D

Acq: 22 Jun 2021 19:08

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 54563

Ion Ratio Lower Upper

128 100

127 7.8 10.7 16.1#

129 11.4 9.3 13.9

