

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037323.D
 Acq On : 5 Aug 2021 1:12
 Operator : SY/AP
 Sample : M3211-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 05 03:59:36 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 04 22:53:01 2021
 QLast Update : Wed Aug 04 22:53:01 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1135666	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3603825	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3009622	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1999092	9.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	32372	0.140	ppbv 98
3) Chlorodifluoromethane	2.98	51	46279	0.200	ppbv 93
4) Chloromethane	3.13	50	15086	0.182	ppbv 98
9) Propene	3.01	41	67307	0.806	ppbv 92
10) Heptane	8.11	43	57170	0.293	ppbv 90
11) Trichlorofluoromethane	3.94	101	55638	0.262	ppbv 93
12) 1,1,2-Trichlorotrifluoroet	4.48	101	5874	0.038	ppbv # 12
13) Ethanol	3.61	45	150373	11.957	ppbv # 34
15) Acetone	3.84	43	4871119	39.486	ppbv 96
16) 1,3-Butadiene	3.30	39	46056	0.580	ppbv # 23
17) tert-Butyl alcohol	4.30	59	7085	0.057	ppbv # 72
19) Isopropyl Alcohol	3.98	45	202991	2.973	ppbv # 93
20) Methylene Chloride	4.34	84	3201790	31.349	ppbv 99
21) Allyl Chloride	4.34	41	126349	1.265	ppbv # 33
23) Vinyl Acetate	5.05	43	74455	0.400	ppbv # 1
25) Ethyl Acetate	5.68	43	1427714	4.450	ppbv # 77
26) Hexane	5.68	57	2102469	11.713	ppbv # 47
27) Carbon Disulfide	4.55	76	33515	0.229	ppbv # 91
29) Chloroform	5.75	83	312705	1.376	ppbv 98
30) Cyclohexane	7.12	84	21910	0.158	ppbv # 19
32) 1,1,1-Trichloroethane	6.50	97	497434	2.295	ppbv 99
34) 2-Butanone	5.23	43	2020792	16.159	ppbv 99
35) Carbon Tetrachloride	7.01	117	22986	0.107	ppbv # 91
36) Benzene	6.88	78	110057	0.339	ppbv 97
38) Trichloroethene	7.83	130	640230	4.511	ppbv 94
39) 1,2-Dichloropropane	7.22	63	15006	0.124	ppbv # 29
41) Tetrahydrofuran	6.03	42	4517618	64.958	ppbv 99
44) 2,2,4-Trimethylpentane	7.86	57	124545	0.232	ppbv # 81
50) 4-Methyl-2-Pentanone	8.75	43	36343	0.190	ppbv # 10
51) 2-Hexanone	10.14	43	17701	0.203	ppbv # 16
52) Tetrachloroethene	11.21	164	3738433	26.763	ppbv 98
53) Toluene	9.79	91	4133744	10.796	ppbv 99
58) Ethyl Benzene	12.70	91	256063	0.579	ppbv 96
59) m/p-Xylene	12.98	91	189015	0.508	ppbv # 29
60) o-Xylene	13.68	91	99162	0.293	ppbv # 26
61) Styrene	13.51	104	14135	0.076	ppbv # 29
65) tert-Butylbenzene	16.74	119	24039	0.053	ppbv # 32
66) Benzyl Chloride	16.98	91	1511	0.086	ppbv # 1
72) 4-Ethyltoluene	15.82	105	36065	0.088	ppbv # 54
73) 1,3,5-Trimethylbenzene	15.99	105	21369	0.058	ppbv 87
74) 1,2,4-Trimethylbenzene	16.75	105	230580	0.588	ppbv # 73

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037323.D
 Acq On : 5 Aug 2021 1:12
 Operator : SY/AP
 Sample : M3211-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 05 03:59:36 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 04 22:53:01 2021
 QLast Update : Wed Aug 04 22:53:01 2021
 Response via : Initial Calibration

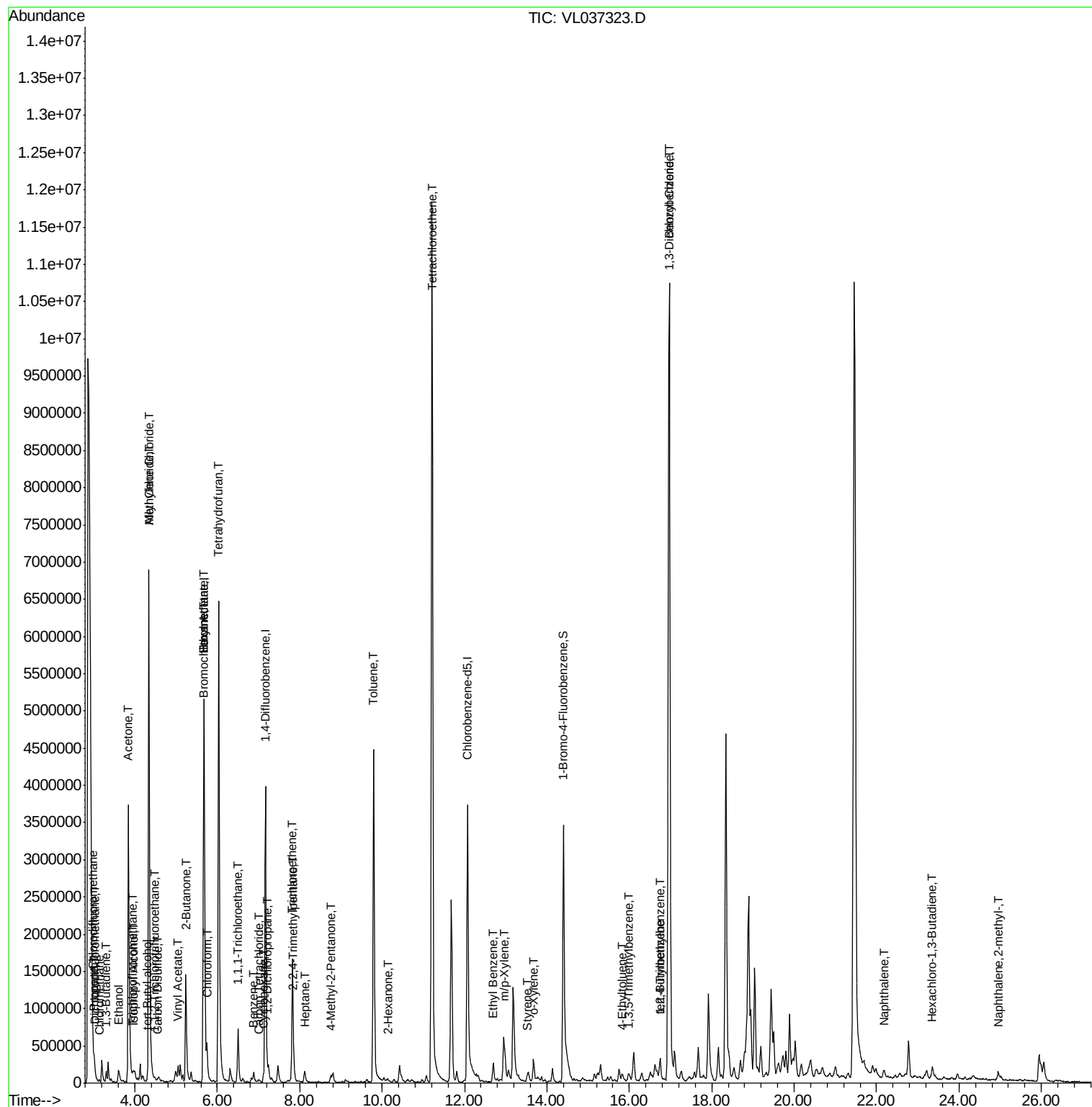
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,3-Dichlorobenzene	16.98	146	20020	0.083	ppbv #	24
78) Hexachloro-1,3-Butadiene	23.36	225	14032	0.067	ppbv	94
79) Naphthalene	22.19	128	29825	0.083	ppbv	97
80) Naphthalene,2-methyl-	24.95	142	87375	1.494	ppbv	95

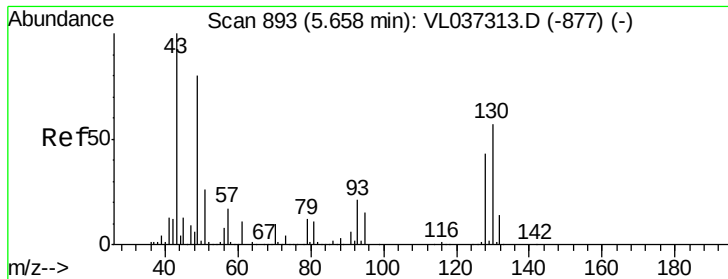
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
Data File : VL037323.D
Acq On : 5 Aug 2021 1:12
Operator : SY/AP
Sample : M3211-01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Aug 05 03:59:36 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 04 22:53:01 2021
QLast Update : Wed Aug 04 22:53:01 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL037323.D

Acq: 5 Aug 2021 1:12

Instrument :

MSVOA_L

ClientSampled :

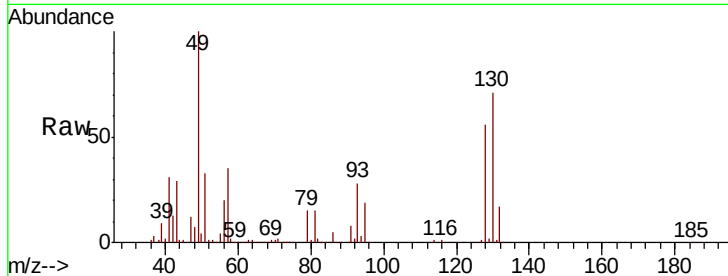
Tot Ion: 49 Resp: 1135666

Ion Ratio Lower Upper

49 100

128 59.4 29.8 89.5

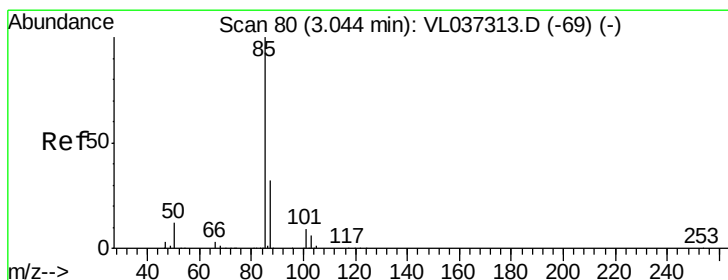
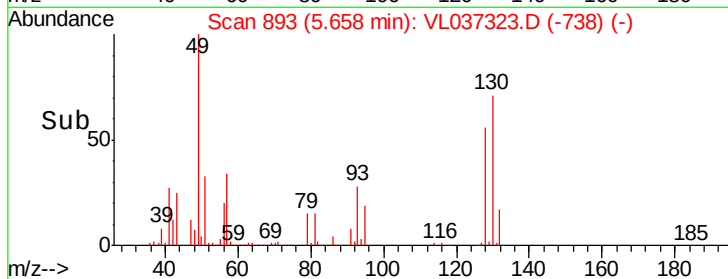
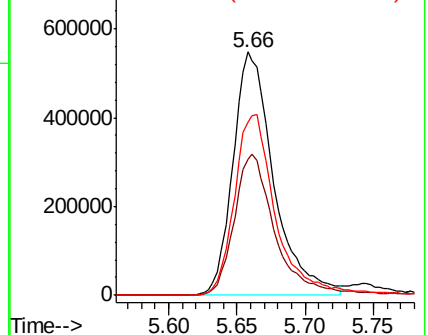
130 76.9 37.5 112.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.140 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL037323.D

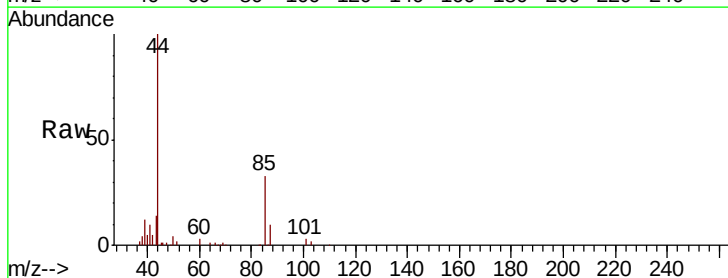
Acq: 5 Aug 2021 1:12

Tgt Ion: 85 Resp: 32372

Ion Ratio Lower Upper

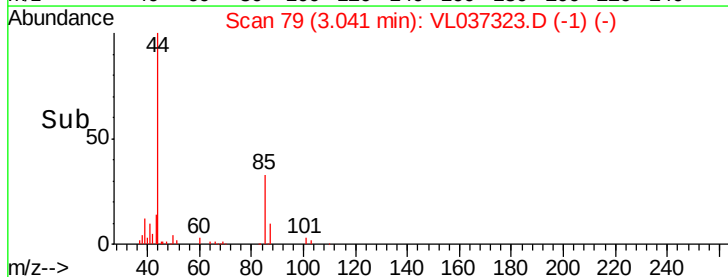
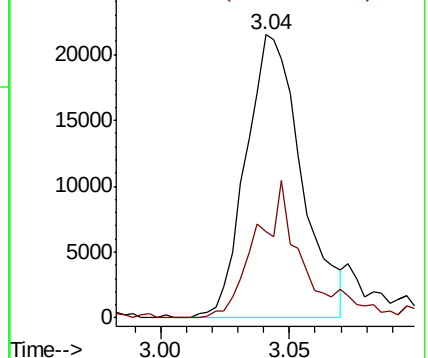
85 100

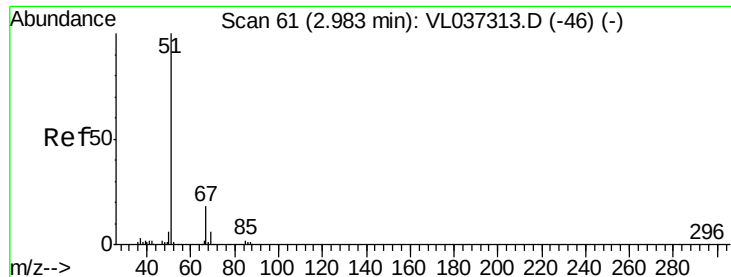
87 30.7 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.200 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL037323.D

Acq: 5 Aug 2021 1:12

Instrument :

MSVOA_L

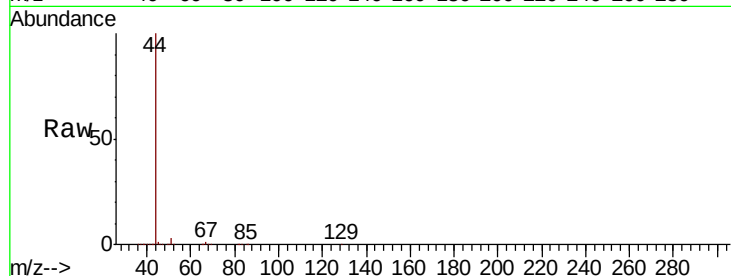
ClientSampleId :

Tot Ion: 51 Resp: 46279

Ion Ratio Lower Upper

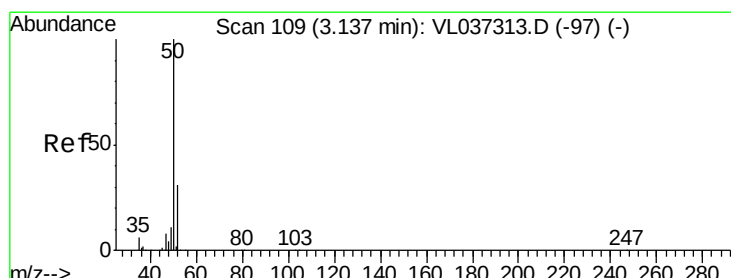
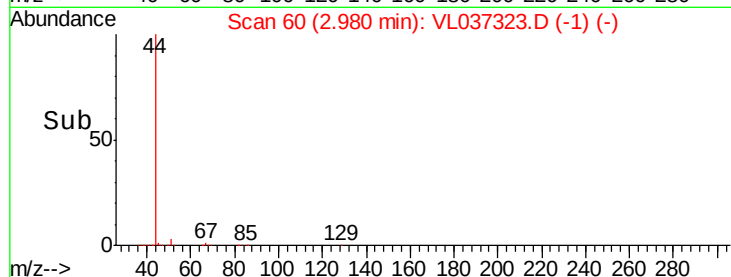
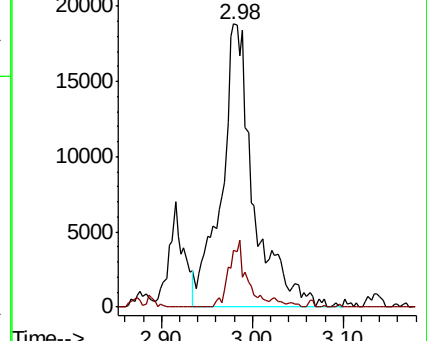
51 100

67 14.5 14.2 21.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.182 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL037323.D

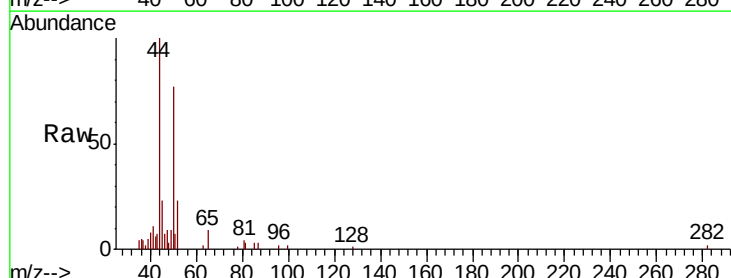
Acq: 5 Aug 2021 1:12

Tgt Ion: 50 Resp: 15086

Ion Ratio Lower Upper

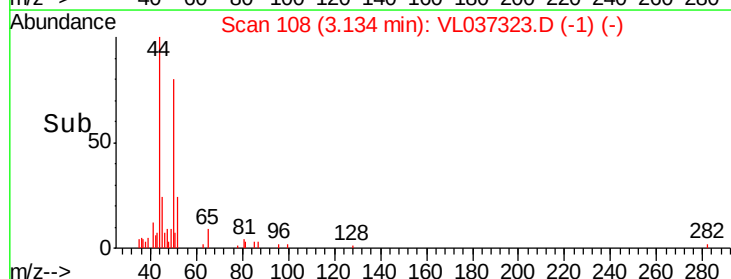
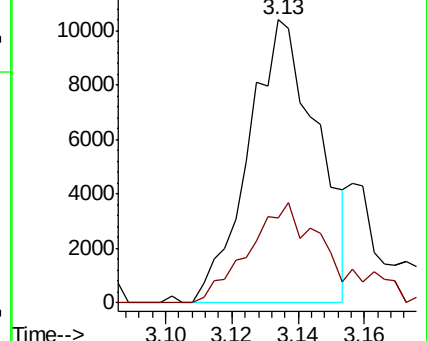
50 100

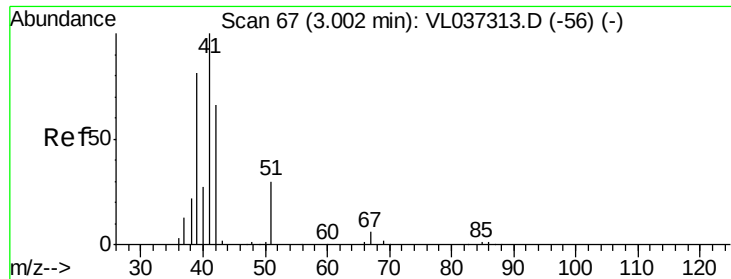
52 30.1 25.1 37.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.806 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL037323.D

Acq: 5 Aug 2021 1:12

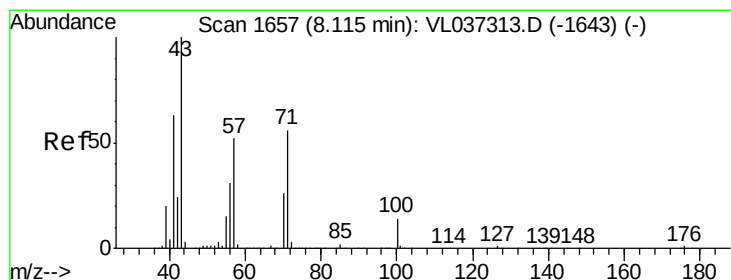
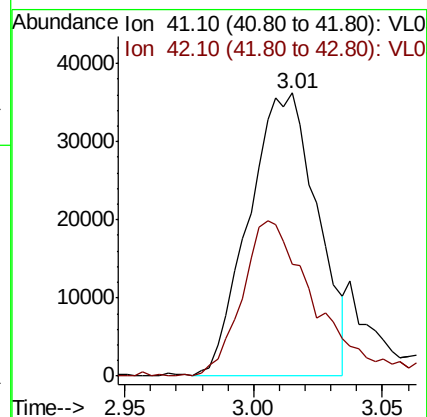
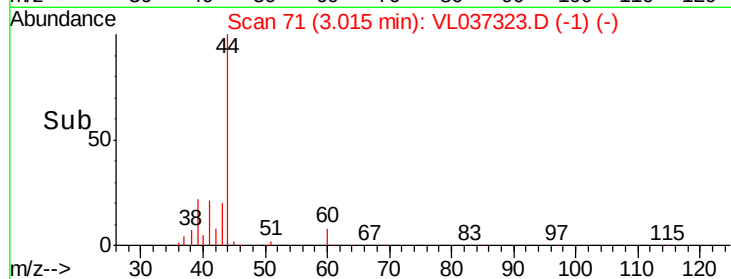
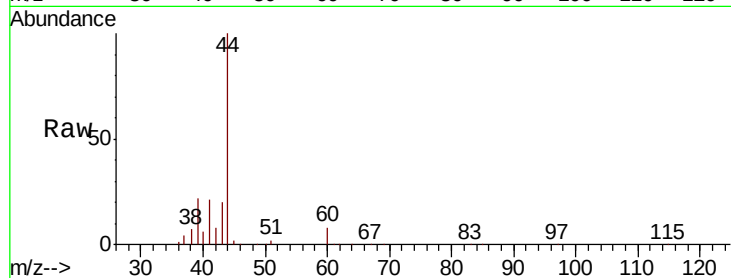
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 41 Resp: 67307

Ion Ratio Lower Upper

41 100

42 60.9 53.8 80.8



#10

Heptane

Concen: 0.293 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VL037323.D

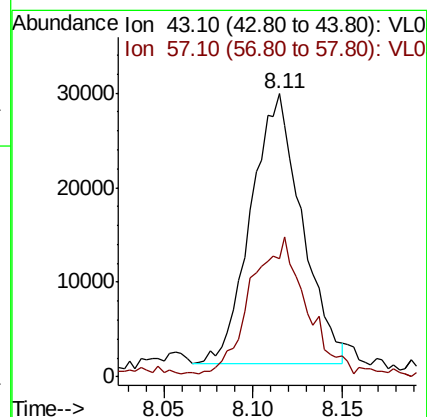
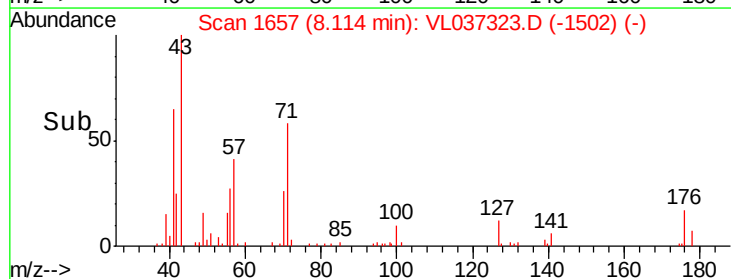
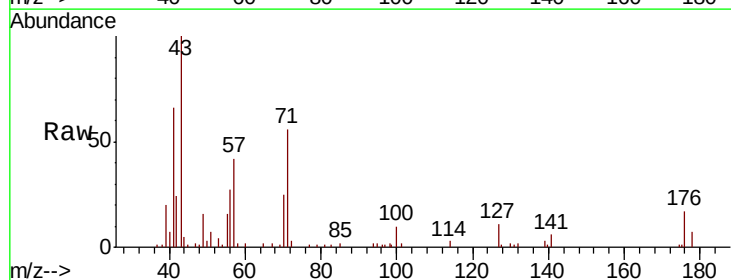
Acq: 5 Aug 2021 1:12

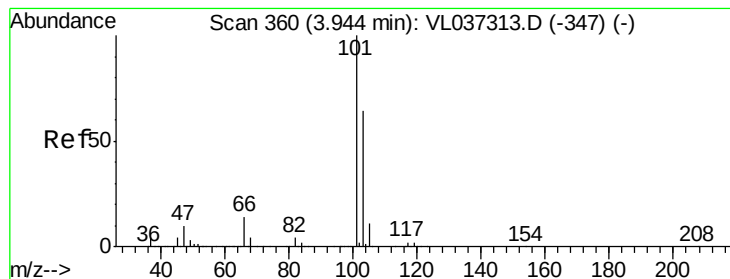
Tgt Ion: 43 Resp: 57170

Ion Ratio Lower Upper

43 100

57 60.3 42.4 63.6





#11

Trichlorofluoromethane

Concen: 0.262 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL037323.D

Acq: 5 Aug 2021 1:12

Instrument :

MSVOA_L

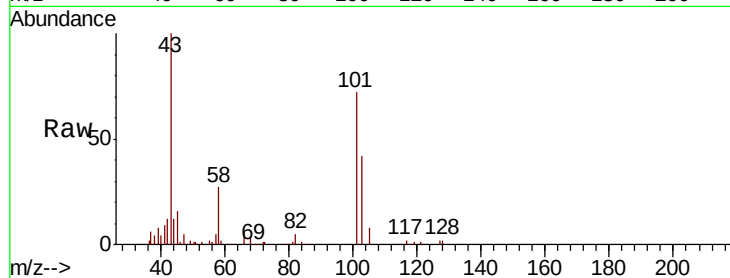
ClientSampleId :

Tot Ion:101 Resp: 55638

Ion Ratio Lower Upper

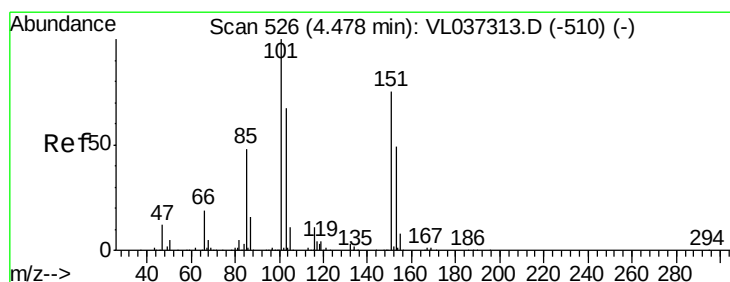
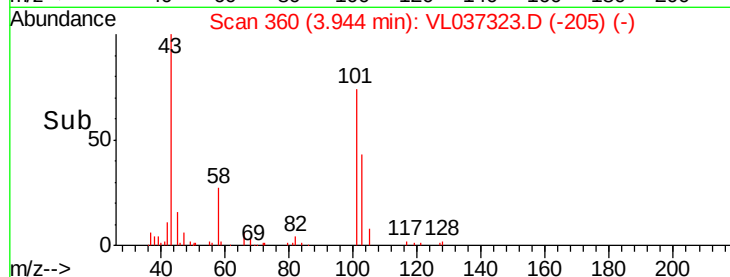
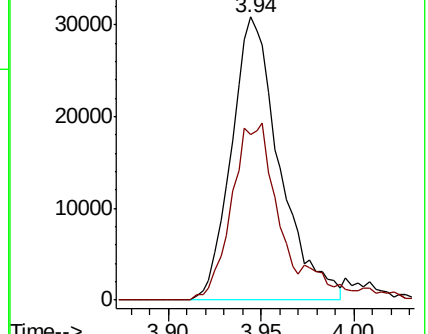
101 100

103 58.6 51.6 77.4



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: 0.038 ppbv

RT: 4.48 min Scan# 526

Delta R.T. -0.00 min

Lab File: VL037323.D

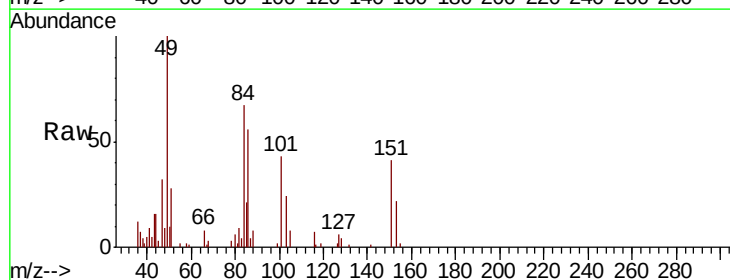
Acq: 5 Aug 2021 1:12

Tgt Ion:101 Resp: 5874

Ion Ratio Lower Upper

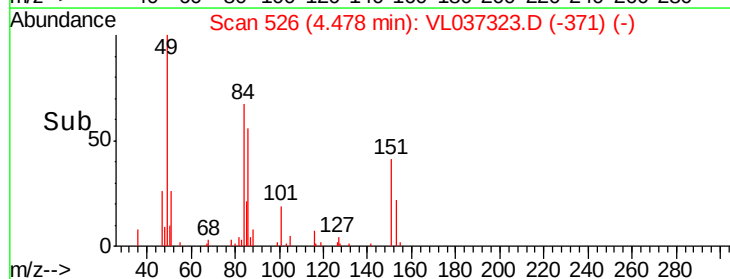
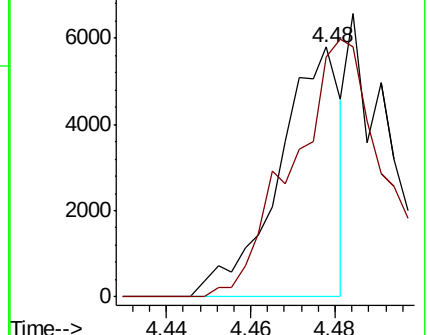
101 100

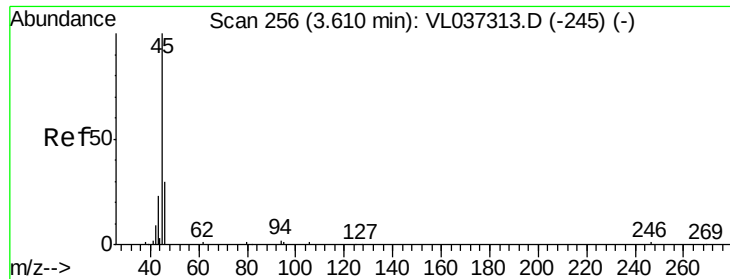
151 0.0 60.6 91.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

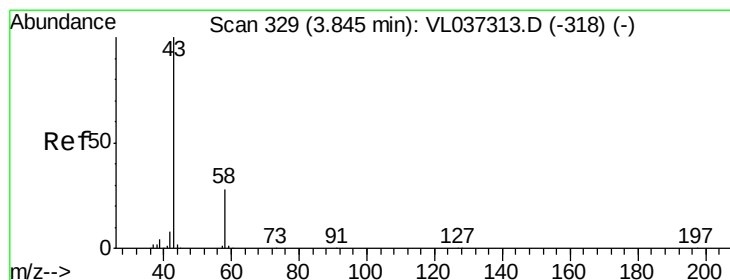
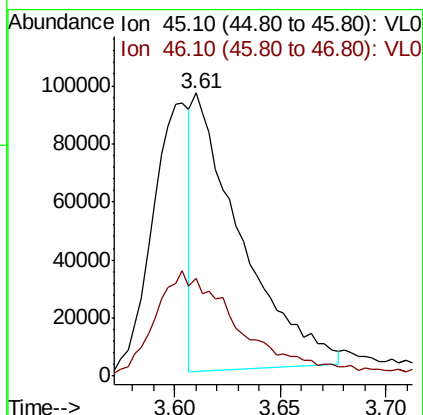
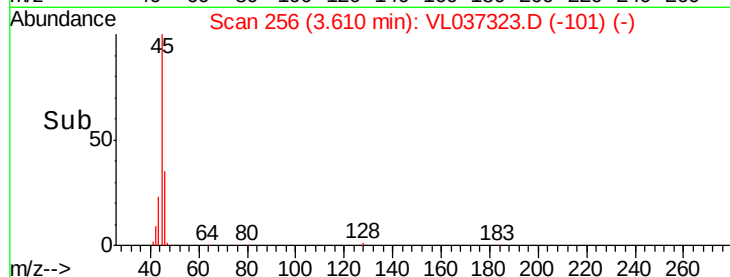
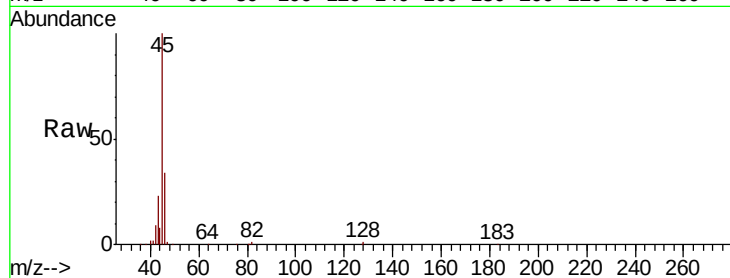




#13
Ethanol
Concen: 11.957 ppbv
RT: 3.61 min Scan# 256
Delta R.T. -0.00 min
Lab File: VL037323.D
Acq: 5 Aug 2021 1:12

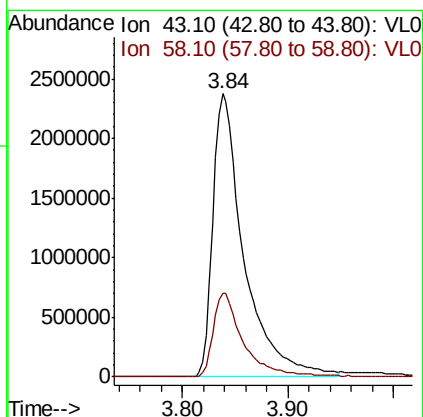
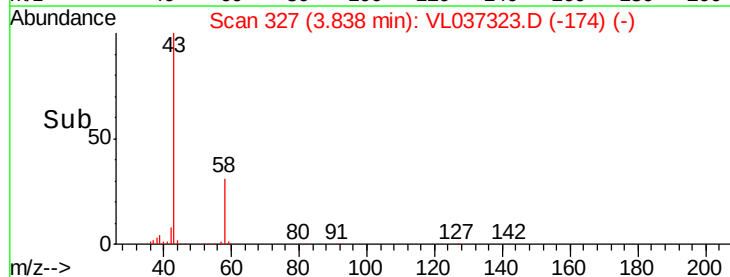
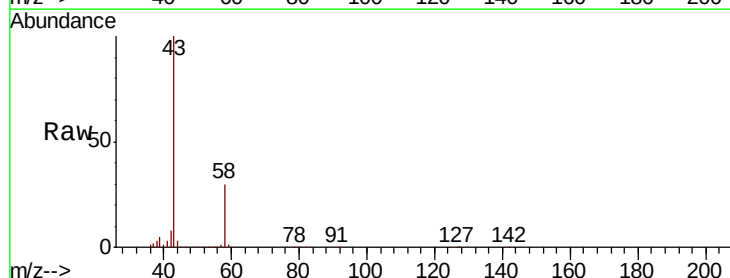
Instrument :
MSVOA_L
ClientSampleId :

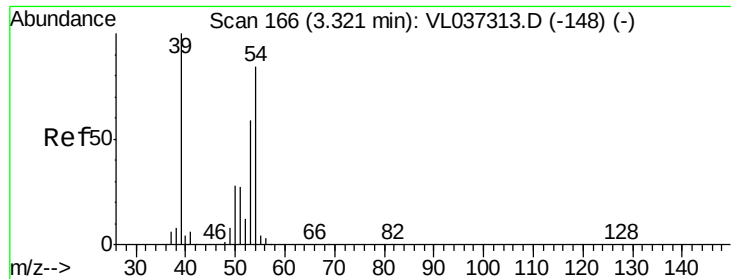
Tot Ion: 45 Resp: 150373
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.4#



#15
Acetone
Concen: 39.486 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL037323.D
Acq: 5 Aug 2021 1:12

Tgt Ion: 43 Resp: 4871119
Ion Ratio Lower Upper
43 100
58 29.2 25.3 37.9

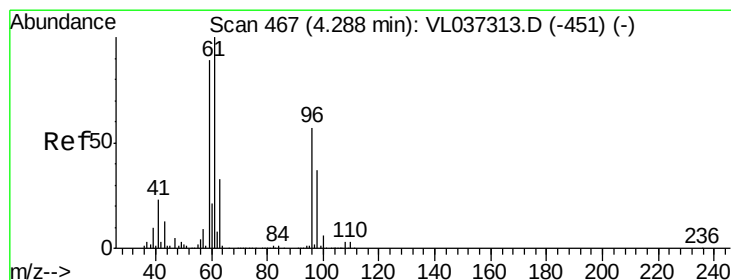
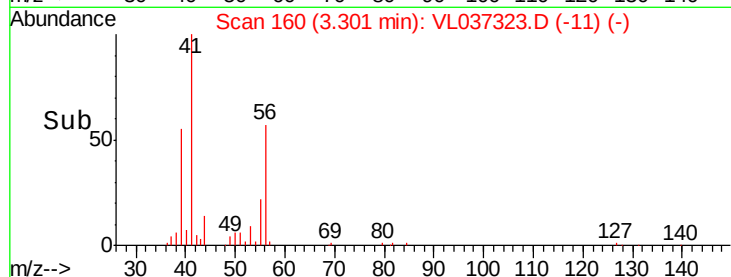
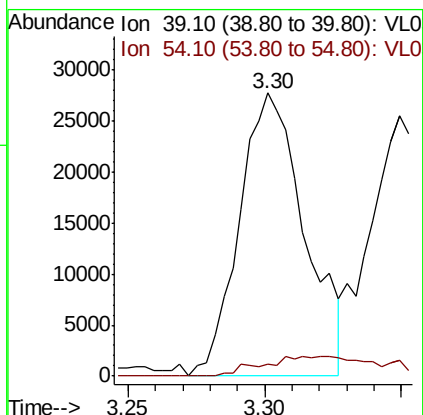
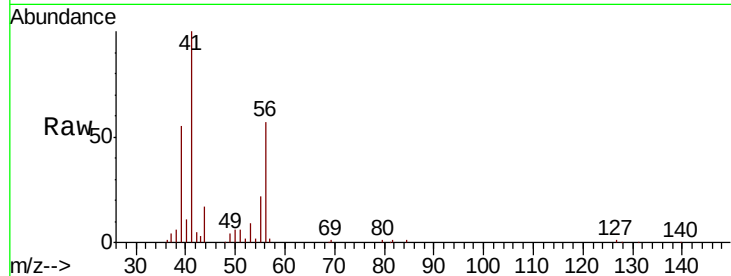




#16
 1,3-Butadiene
 Concen: 0.580 ppbv
 RT: 3.30 min Scan# 160
 Delta R.T. -0.02 min
 Lab File: VL037323.D
 Acq: 5 Aug 2021 1:12

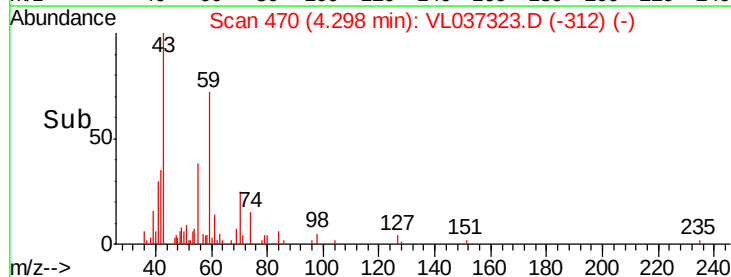
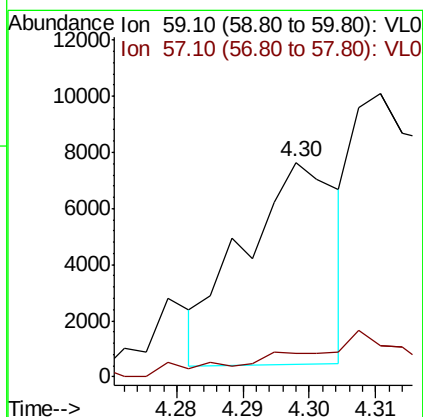
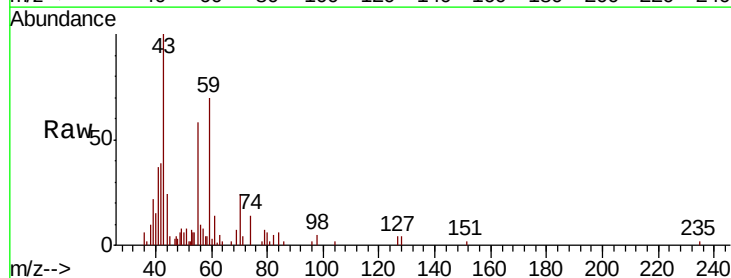
Instrument :
 MSVOA_L
 ClientSampleId :

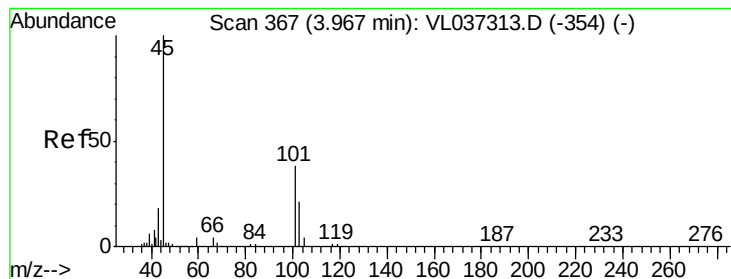
Tot Ion: 39 Resp: 46056
 Ion Ratio Lower Upper
 39 100
 54 13.9 66.1 99.1#



#17
 tert-Butyl alcohol
 Concen: 0.057 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.01 min
 Lab File: VL037323.D
 Acq: 5 Aug 2021 1:12

Tgt Ion: 59 Resp: 7085
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#



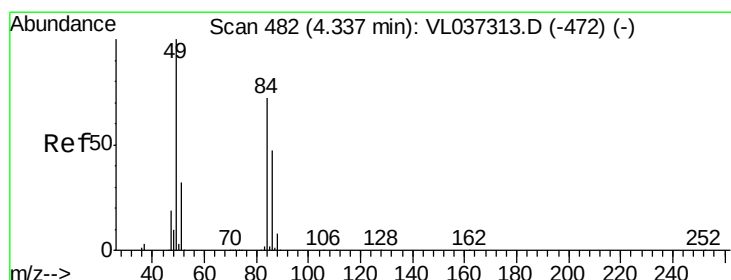
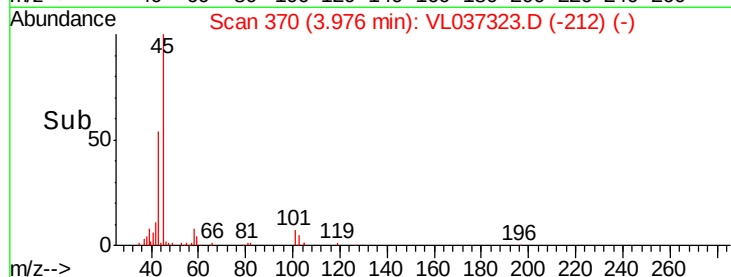
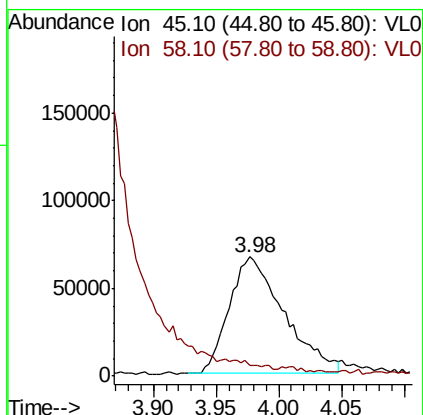
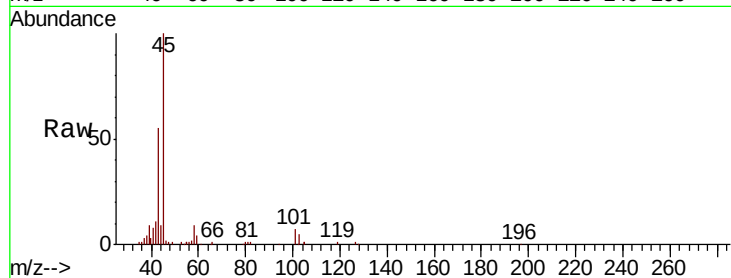


#19

Isopropyl Alcohol
 Concen: 2.973 ppbv
 RT: 3.98 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VL037323.D
 Acq: 5 Aug 2021 1:12

Instrument :
 MSVOA_L
 ClientSampleId :

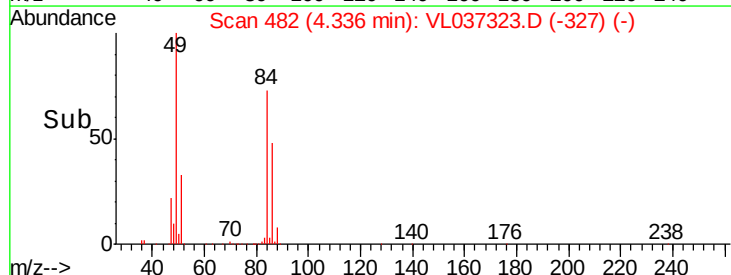
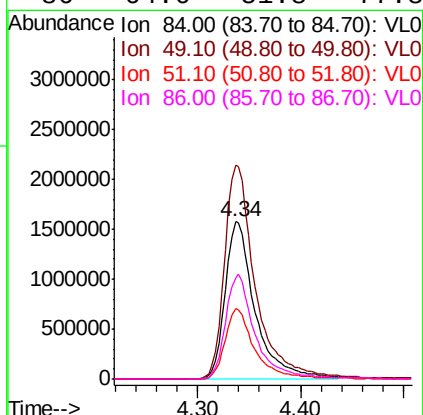
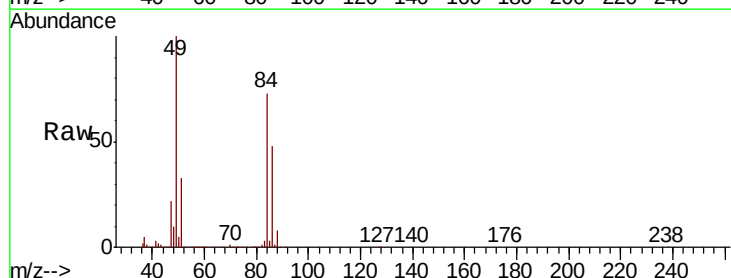
Tot Ion: 45 Resp: 202991
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.8 2.8#

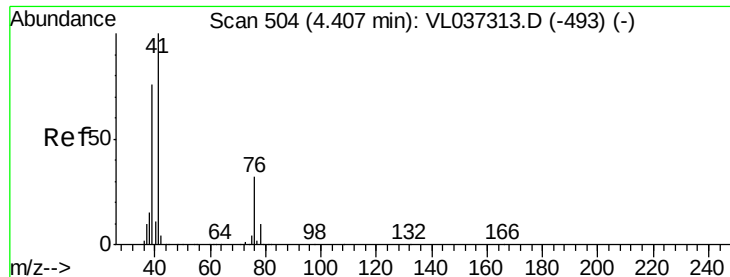


#20

Methylene Chloride
 Concen: 31.349 ppbv
 RT: 4.34 min Scan# 482
 Delta R.T. -0.00 min
 Lab File: VL037323.D
 Acq: 5 Aug 2021 1:12

Tgt Ion: 84 Resp: 3201790
 Ion Ratio Lower Upper
 84 100
 49 136.1 110.4 165.6
 51 44.6 35.8 53.6
 86 64.6 51.8 77.8





#21

Allvl Chloride

Concen: 1.265 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.07 min

Lab File: VL037323.D

Acq: 5 Aug 2021 1:12

Instrument :

MSVOA_L

ClientSampleId :

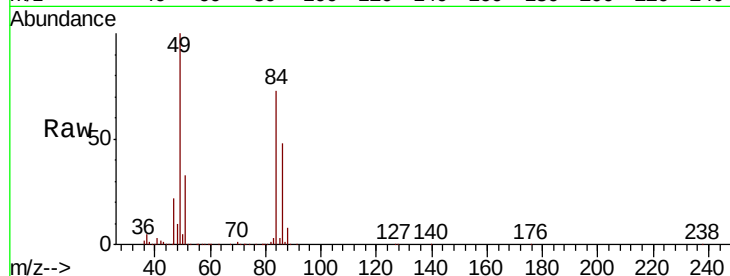
Tot Ion: 41 Resp: 126349

Ion Ratio Lower Upper

41 100

76 0.0 25.7 38.5#

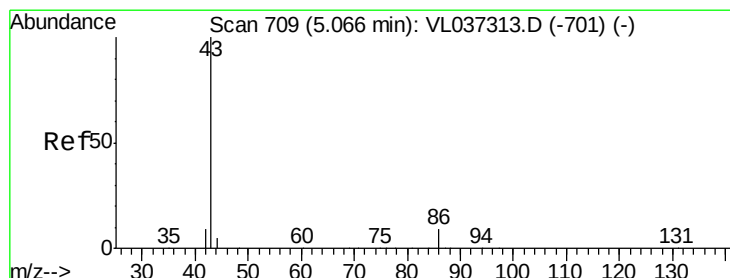
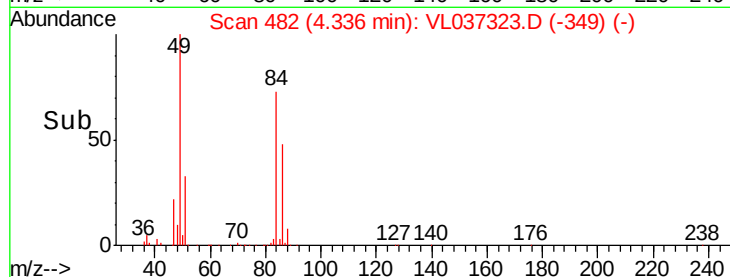
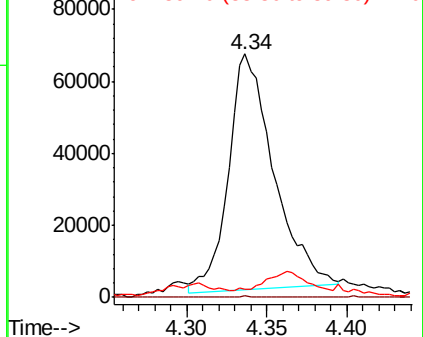
39 13.4 59.0 88.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#23

Vinyl Acetate

Concen: 0.400 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.01 min

Lab File: VL037323.D

Acq: 5 Aug 2021 1:12

Tgt Ion: 43 Resp: 74455

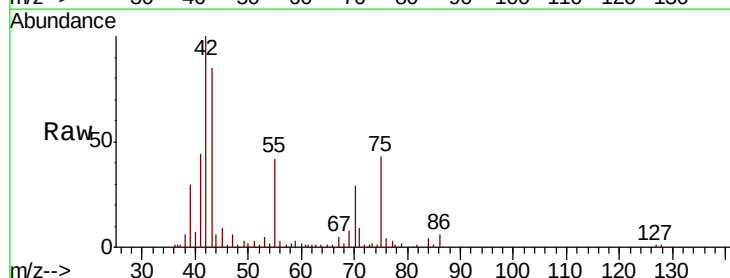
Ion Ratio Lower Upper

43 100

86 6.9 6.2 9.2

42 122.7 7.7 11.5#

44 0.6 3.7 5.5#

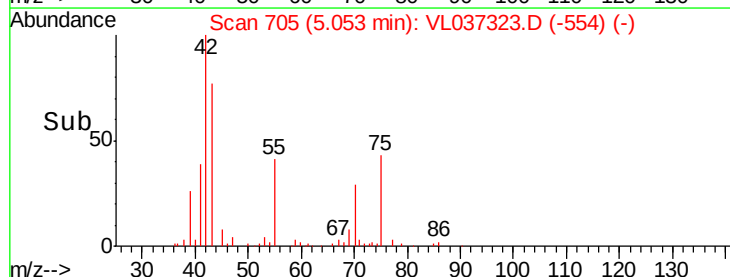
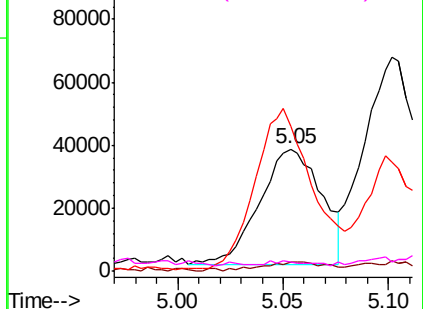


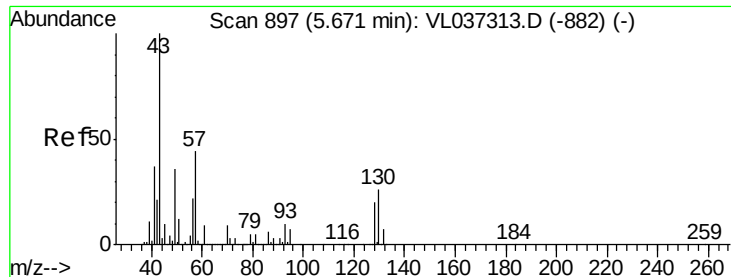
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

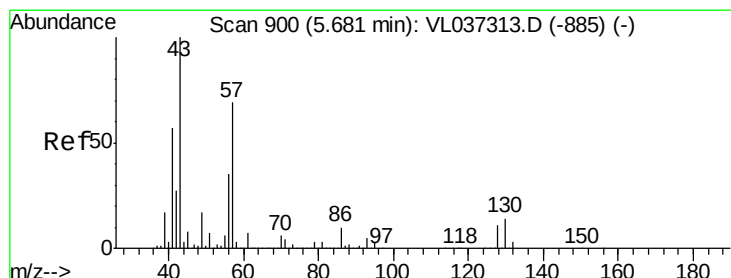
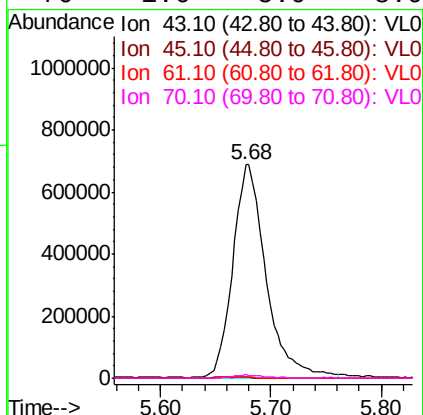
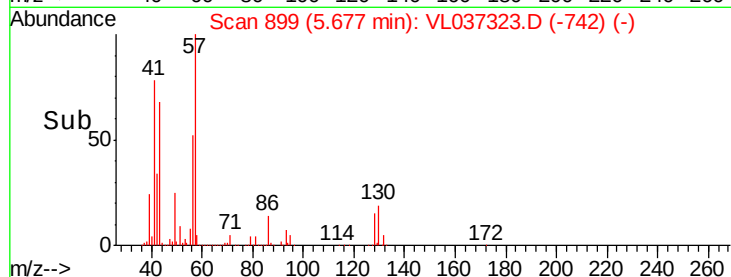
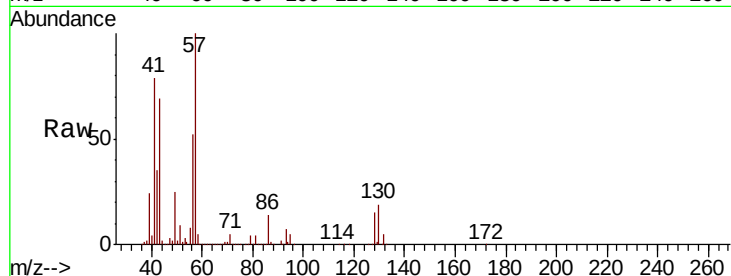




#25
Ethyl Acetate
Concen: 4.450 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL037323.D
Acq: 5 Aug 2021 1:12

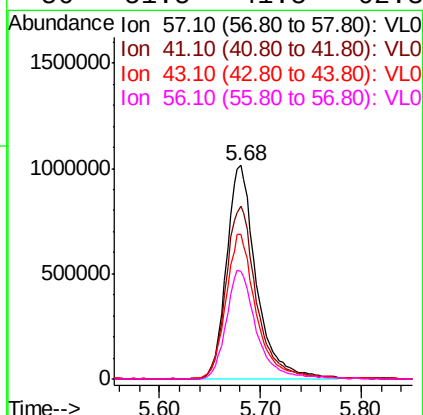
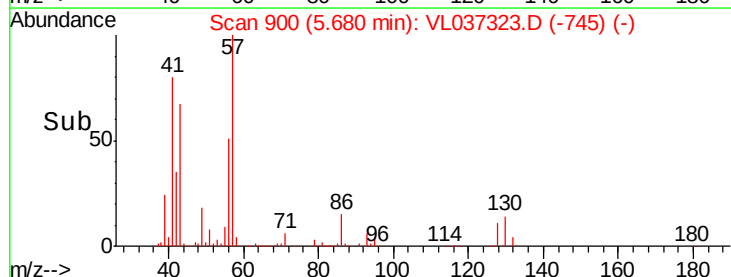
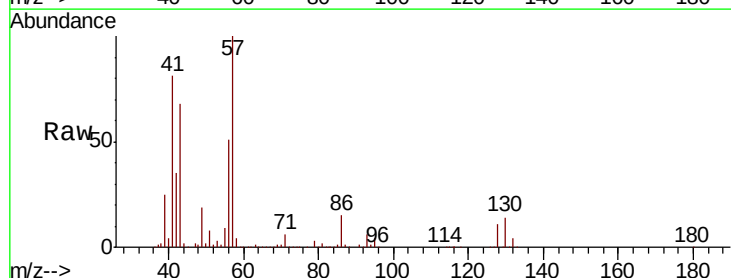
Instrument :
MSVOA_L
ClientSampleId :

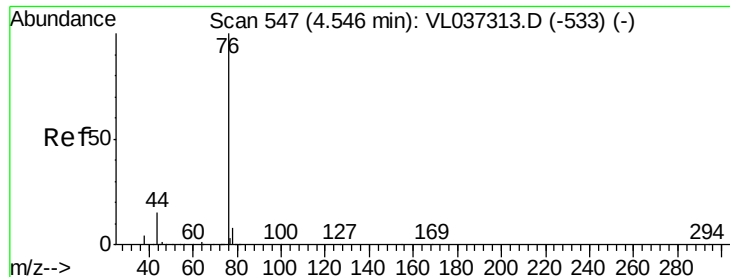
Tot Ion: 43 Resp: 1427714
Ion Ratio Lower Upper
43 100
45 0.7 7.8 11.8#
61 0.7 8.6 12.8#
70 1.6 5.9 8.9#



#26
Hexane
Concen: 11.713 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL037323.D
Acq: 5 Aug 2021 1:12

Tgt Ion: 57 Resp: 2102469
Ion Ratio Lower Upper
57 100
41 83.8 67.5 101.3
43 68.7 163.0 244.4#
56 51.5 41.5 62.3





#27

Carbon Disulfide

Concen: 0.229 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.00 min

Lab File: VL037323.D

Acq: 5 Aug 2021 1:12

Instrument :

MSVOA_L

ClientSampled :

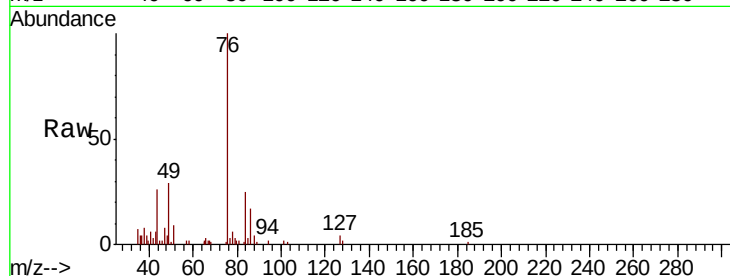
Tot Ion: 76 Resp: 33515

Ion Ratio Lower Upper

76 100

44 20.5 13.1 19.7#

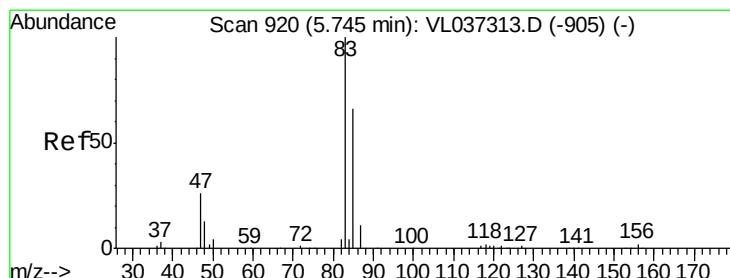
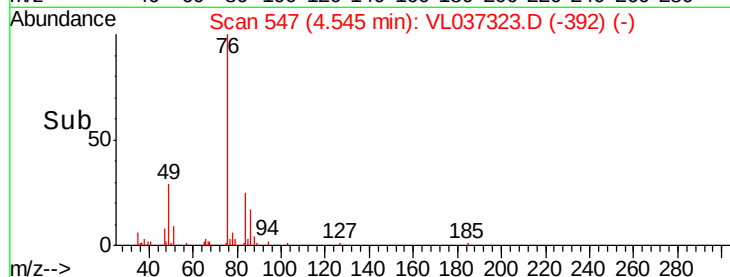
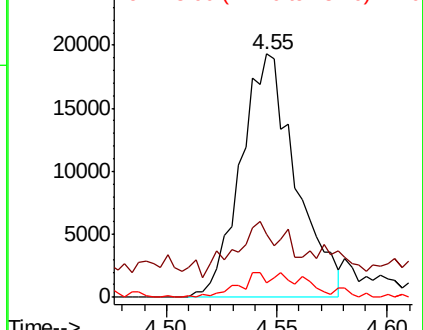
78 12.9 8.0 12.0#



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



#29

Chloroform

Concen: 1.376 ppbv

RT: 5.75 min Scan# 921

Delta R.T. 0.00 min

Lab File: VL037323.D

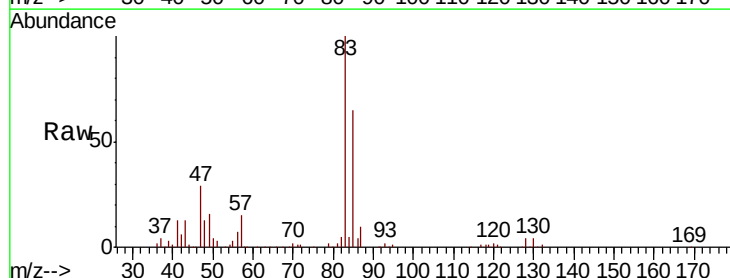
Acq: 5 Aug 2021 1:12

Tgt Ion: 83 Resp: 312705

Ion Ratio Lower Upper

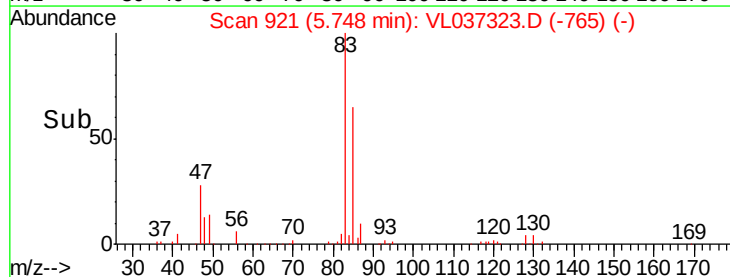
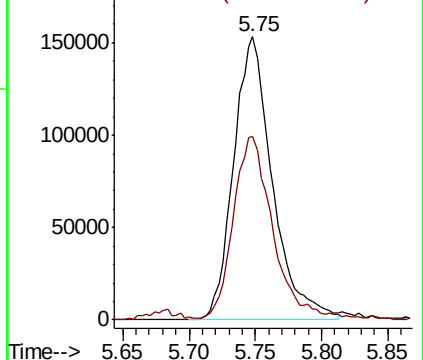
83 100

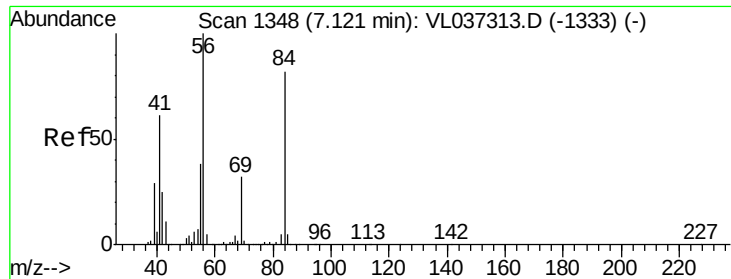
85 63.9 52.6 79.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

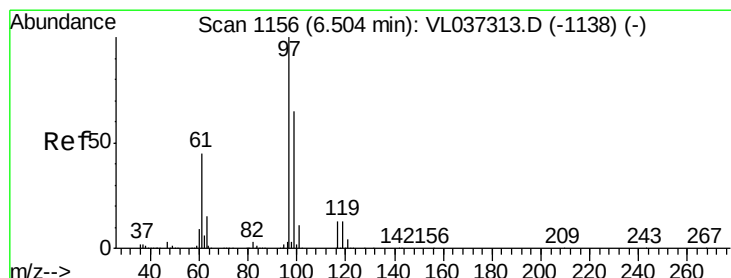
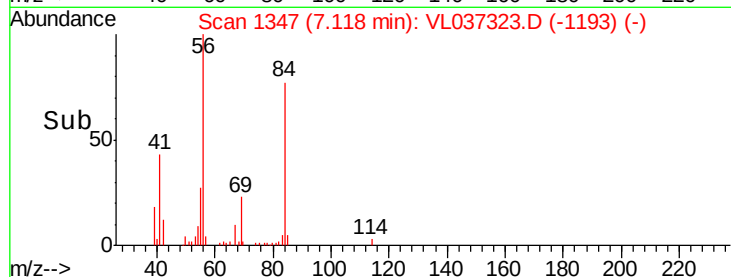
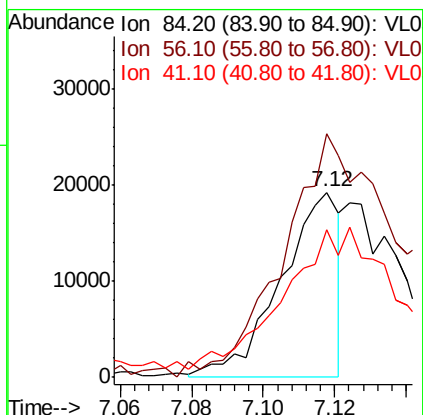
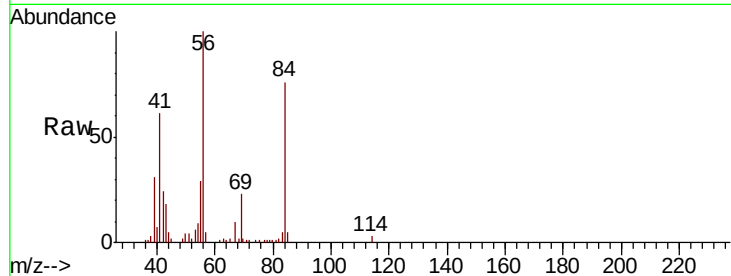




#30
Cyclohexane
Concen: 0.158 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VL037323.D
Acq: 5 Aug 2021 1:12

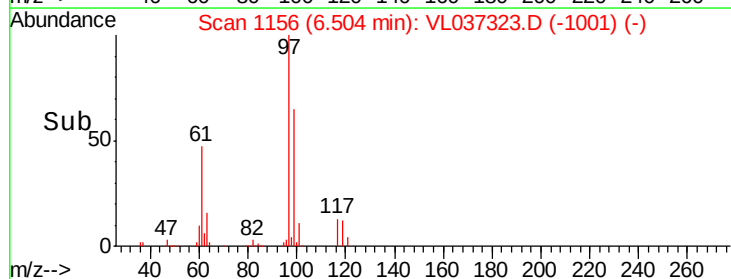
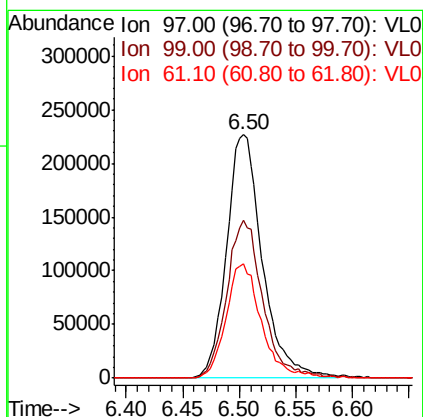
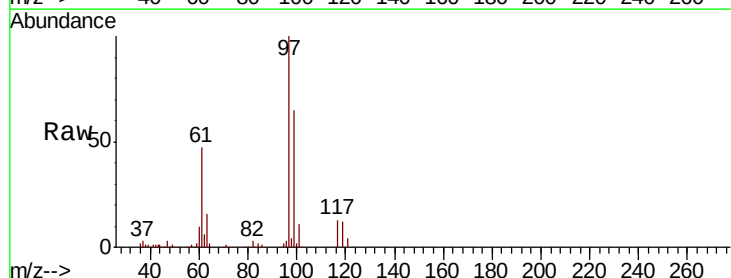
Instrument :
MSVOA_L
ClientSampled :

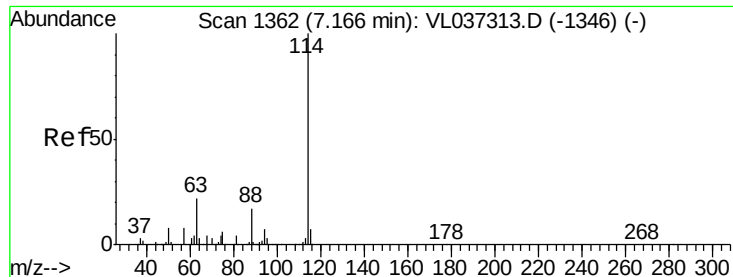
Tot Ion: 84 Resp: 21910
Ion Ratio Lower Upper
84 100
56 221.0 105.2 157.8#
41 0.0 61.3 91.9#



#32
1,1,1-Trichloroethane
Concen: 2.295 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VL037323.D
Acq: 5 Aug 2021 1:12

Tgt Ion: 97 Resp: 497434
Ion Ratio Lower Upper
97 100
99 65.9 52.3 78.5
61 47.0 37.2 55.8

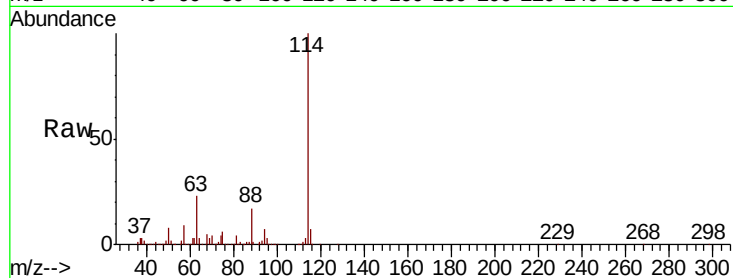




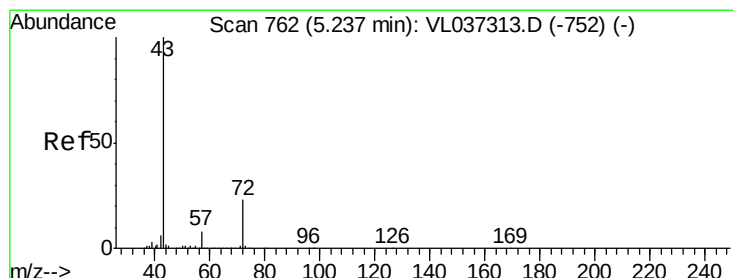
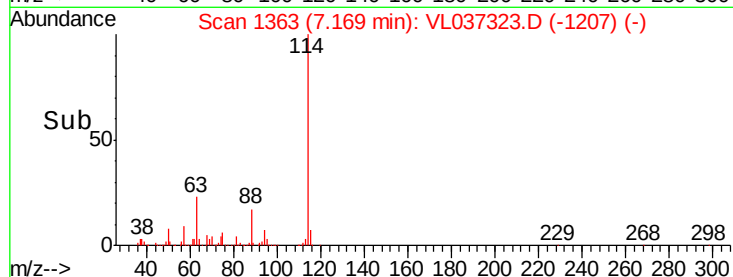
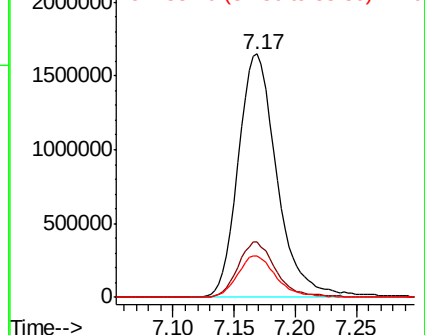
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VL037323.D
 Acq: 5 Aug 2021 1:12

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3603825
 Ion Ratio Lower Upper
 114 100
 63 22.7 18.1 27.1
 88 17.2 13.8 20.8

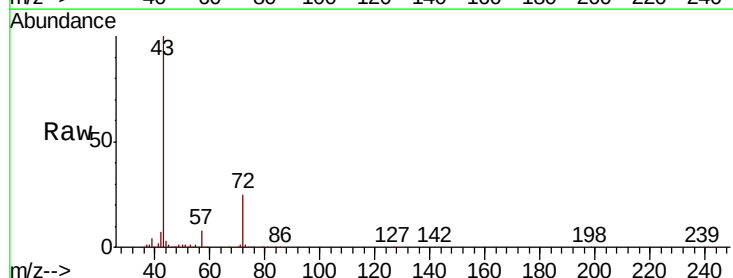


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

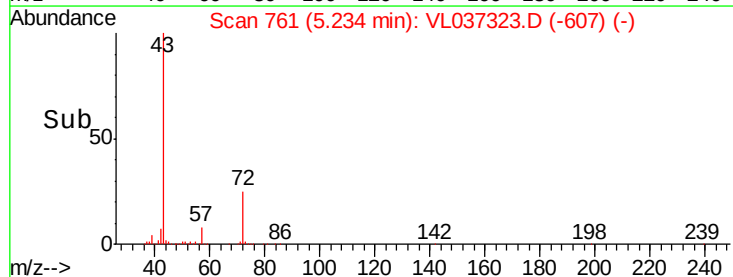
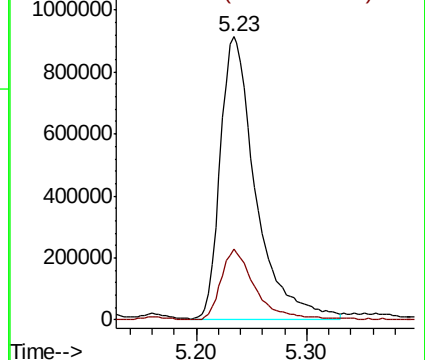


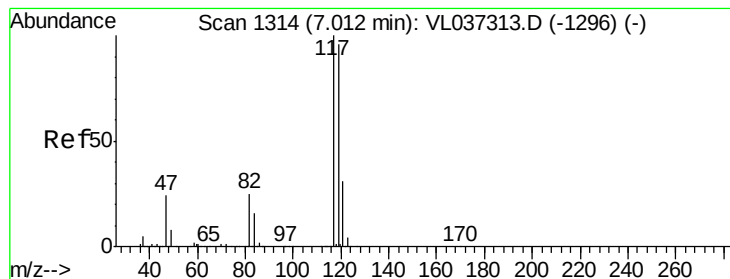
#34
 2-Butanone
 Concen: 16.159 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VL037323.D
 Acq: 5 Aug 2021 1:12

Tgt Ion: 43 Resp: 2020792
 Ion Ratio Lower Upper
 43 100
 72 24.8 20.3 30.5



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





#35

Carbon Tetrachloride

Concen: 0.107 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VL037323.D

Acq: 5 Aug 2021 1:12

Instrument :

MSVOA_L

ClientSampleId :

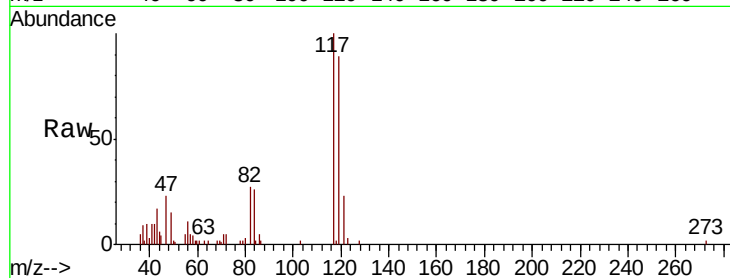
Tot Ion:117 Resp: 22986

Ion Ratio Lower Upper

117 100

119 87.7 76.6 114.8

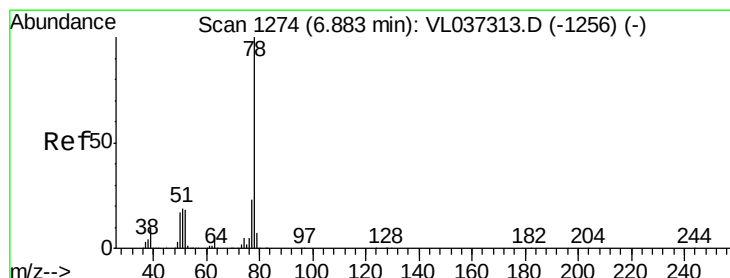
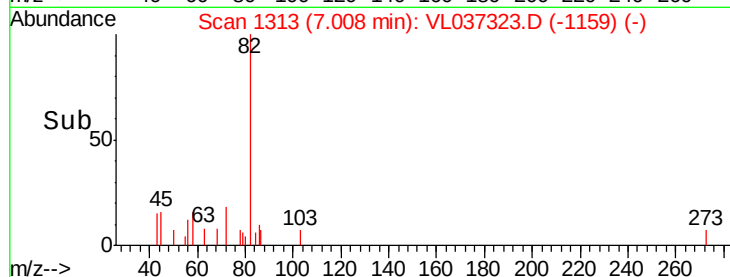
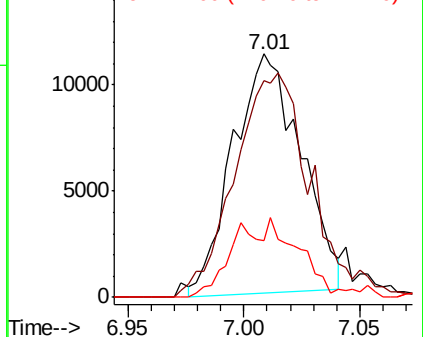
121 24.3 24.9 37.3#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.339 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VL037323.D

Acq: 5 Aug 2021 1:12

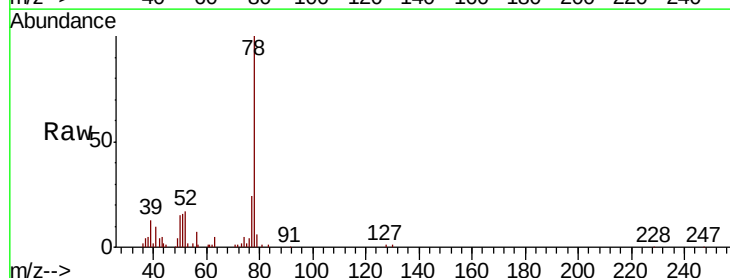
Tgt Ion: 78 Resp: 110057

Ion Ratio Lower Upper

78 100

77 24.2 18.7 28.1

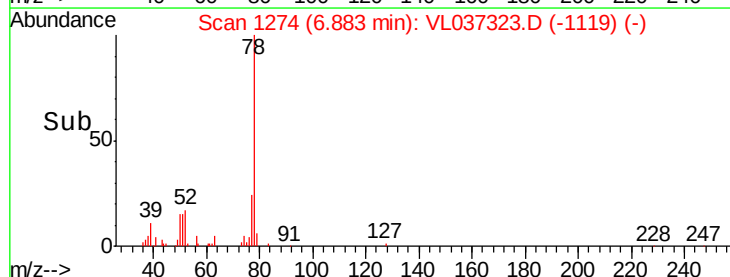
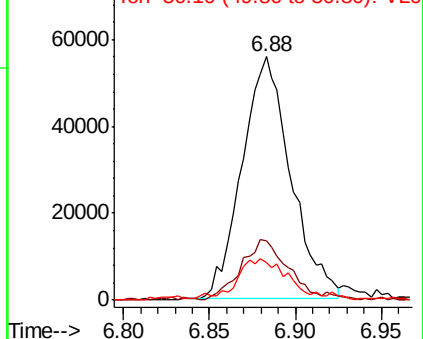
50 14.7 13.7 20.5

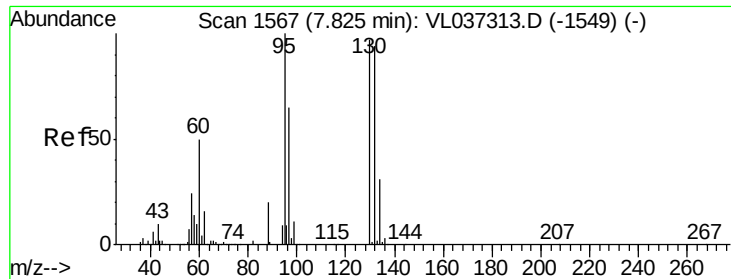


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

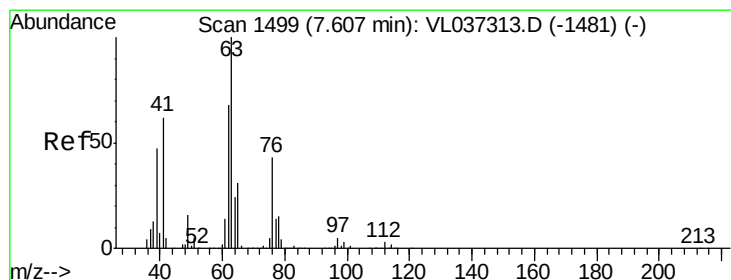
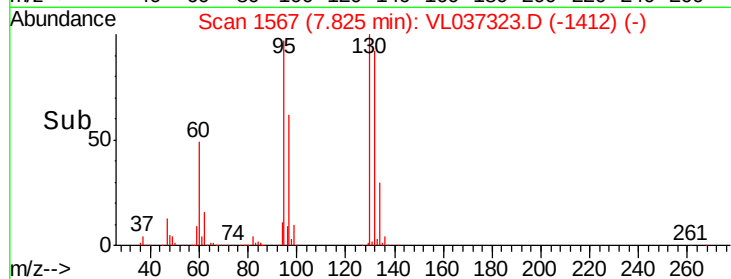
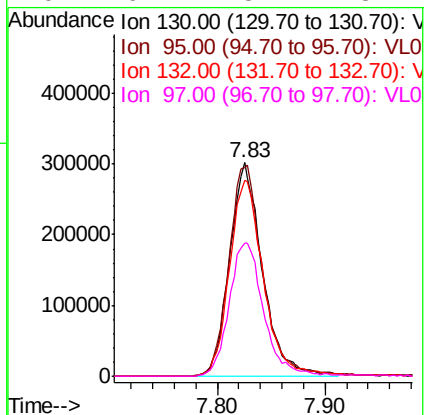
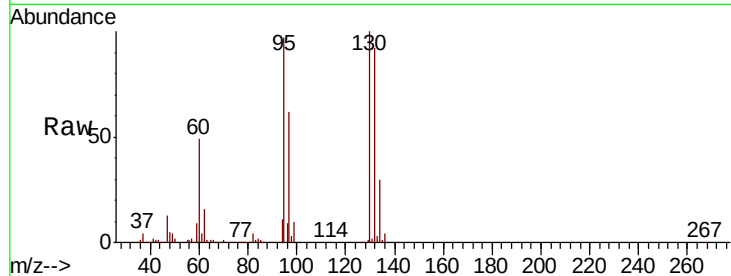




#38
 Trichloroethene
 Concen: 4.511 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VL037323.D
 Acq: 5 Aug 2021 1:12

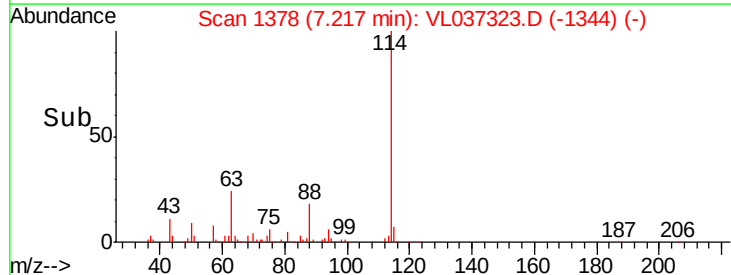
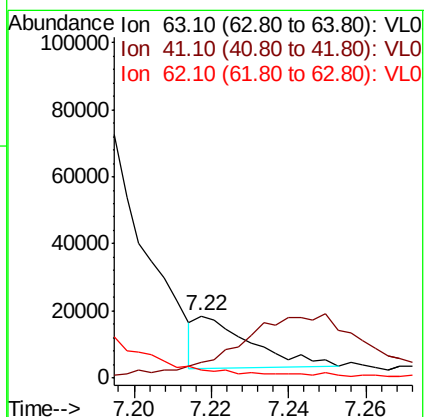
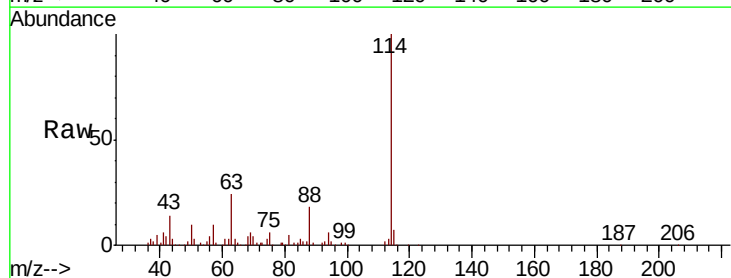
Instrument :
 MSVOA_L
 ClientSampleId :

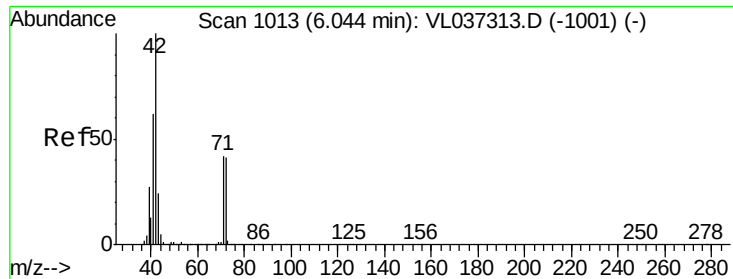
Tot Ion:130 Resp: 640230
 Ion Ratio Lower Upper
 130 100
 95 97.4 82.8 124.2
 132 91.8 78.2 117.4
 97 62.1 54.2 81.2



#39
 1,2-Dichloropropane
 Concen: 0.124 ppbv
 RT: 7.22 min Scan# 1378
 Delta R.T. -0.39 min
 Lab File: VL037323.D
 Acq: 5 Aug 2021 1:12

Tgt Ion: 63 Resp: 15006
 Ion Ratio Lower Upper
 63 100
 41 5.7 49.2 73.8#
 62 11.2 54.2 81.4#





#41

Tetrahydrofuran

Concen: 64.958 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VL037323.D

Acq: 5 Aug 2021 1:12

Instrument :

MSVOA_L

ClientSampleId :

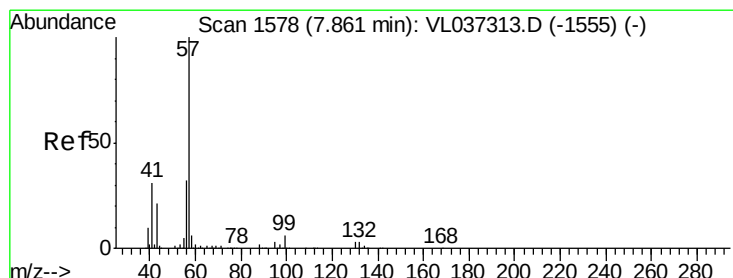
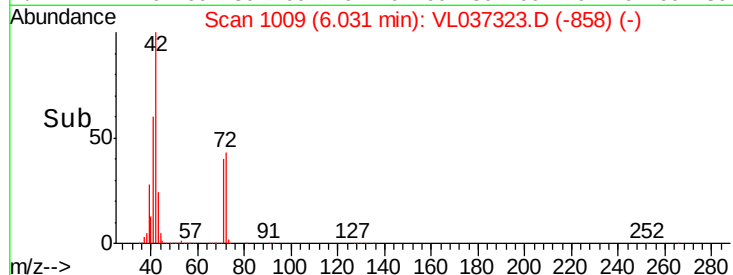
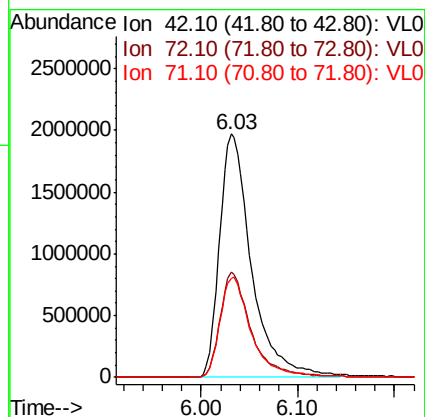
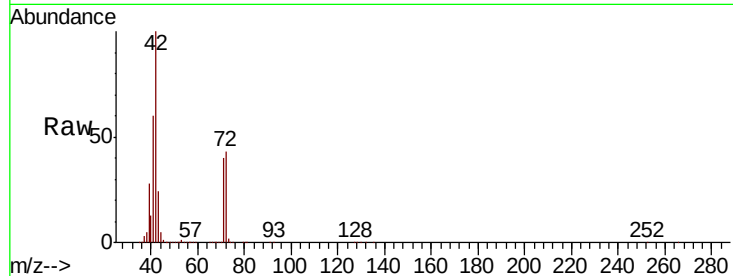
Tot Ion: 42 Resp: 4517618

Ion Ratio Lower Upper

42 100

72 42.5 33.6 50.4

71 40.8 33.0 49.4



#44

2,2,4-Trimethylpentane

Concen: 0.232 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VL037323.D

Acq: 5 Aug 2021 1:12

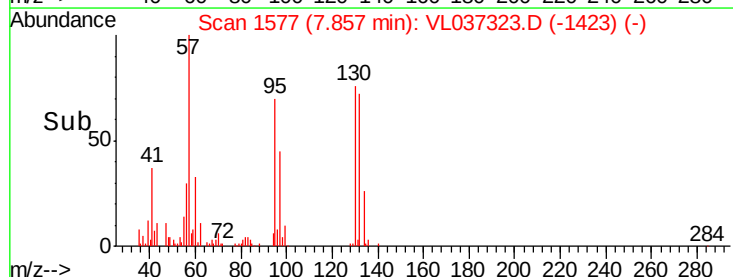
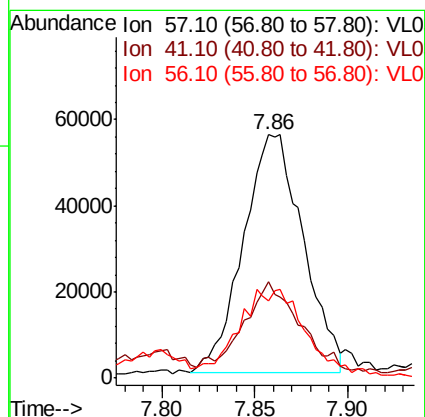
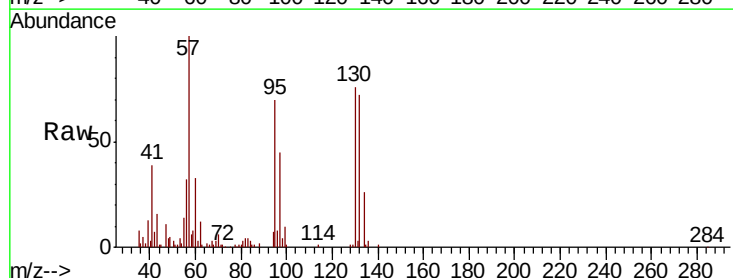
Tgt Ion: 57 Resp: 124545

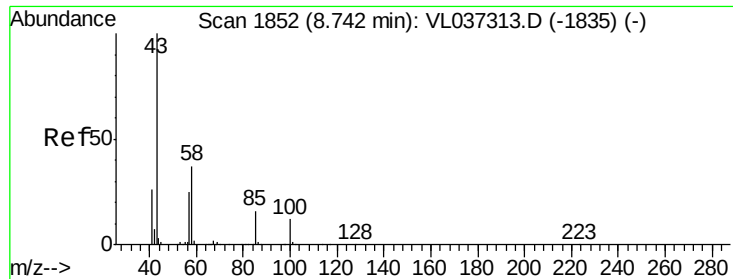
Ion Ratio Lower Upper

57 100

41 39.1 24.3 36.5#

56 43.4 25.0 37.6#

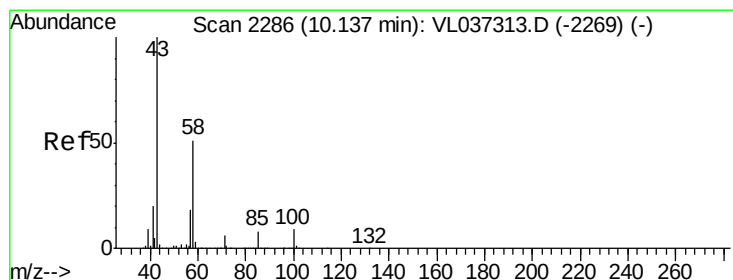
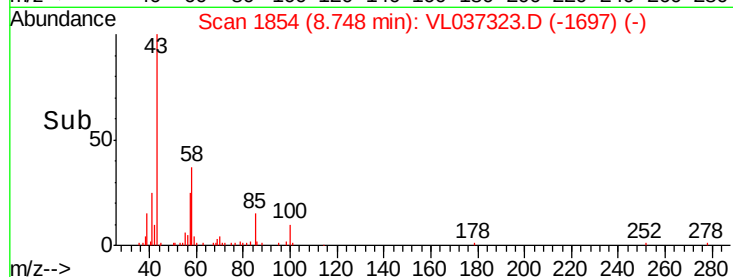
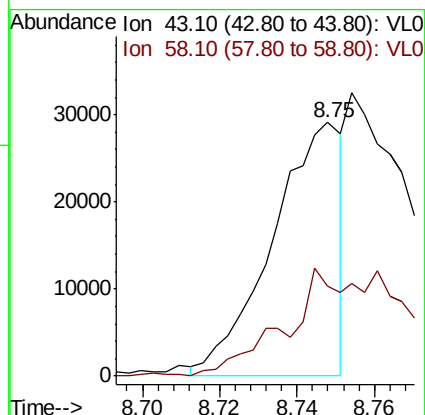
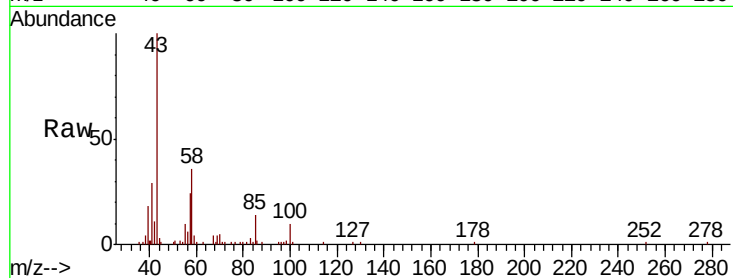




#50
4-Methyl-2-Pentanone
Concen: 0.190 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. 0.01 min
Lab File: VL037323.D
Acq: 5 Aug 2021 1:12

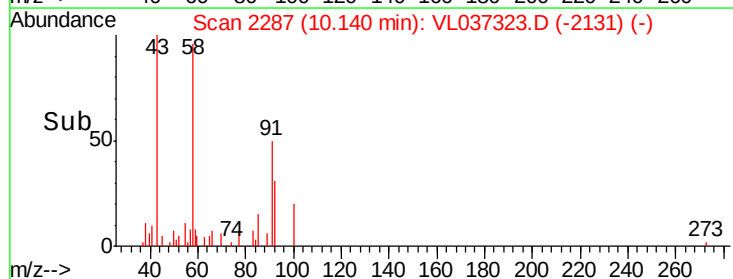
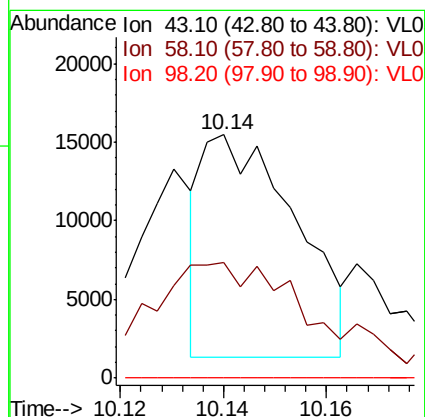
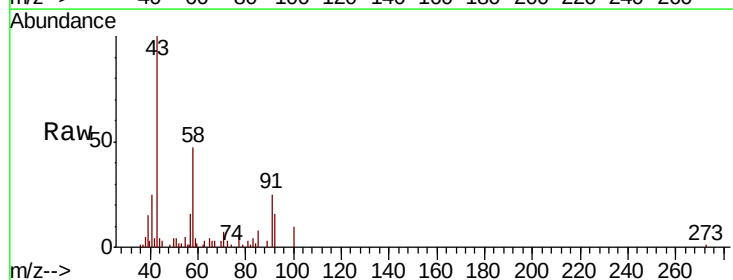
Instrument :
MSVOA_L
ClientSampleId :

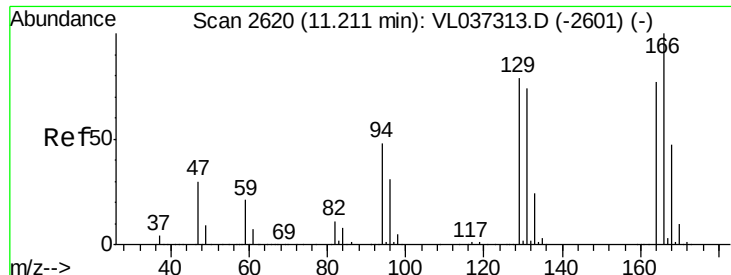
Tot Ion: 43 Resp: 36343
Ion Ratio Lower Upper
43 100
58 93.7 31.0 46.4#



#51
2-Hexanone
Concen: 0.203 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VL037323.D
Acq: 5 Aug 2021 1:12

Tgt Ion: 43 Resp: 17701
Ion Ratio Lower Upper
43 100
58 109.6 40.9 61.3#
98 0.0 0.1 0.1#





#52

Tetrachloroethene

Concen: 26.763 ppbv

RT: 11.21 min Scan# 2620

Delta R.T. -0.00 min

Lab File: VL037323.D

Acq: 5 Aug 2021 1:12

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 3738433

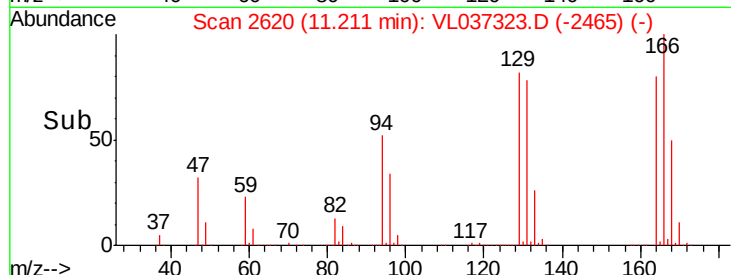
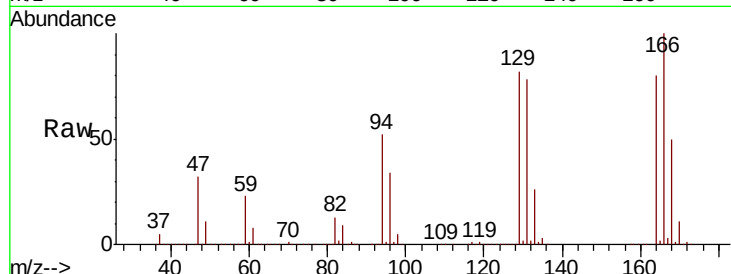
Ion Ratio Lower Upper

164 100

166 125.1 103.4 155.2

129 102.1 82.2 123.2

131 98.2 76.6 114.8

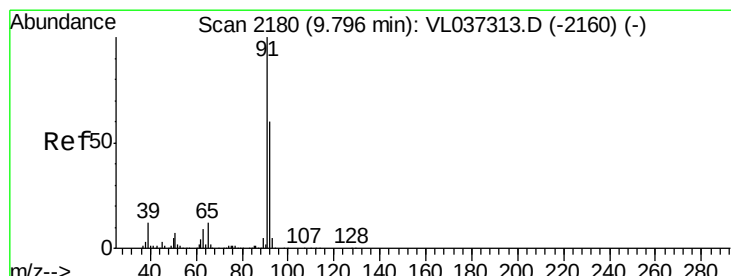
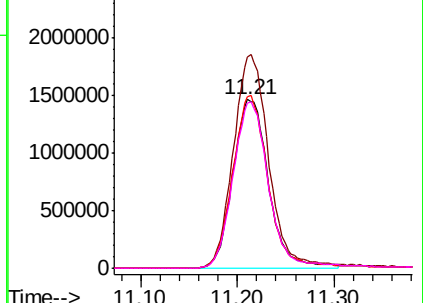


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 10.796 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL037323.D

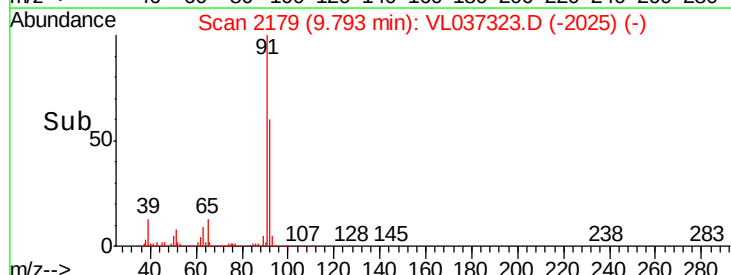
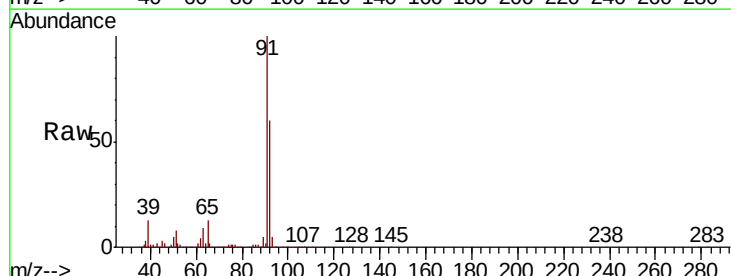
Acq: 5 Aug 2021 1:12

Tgt Ion: 91 Resp: 4133744

Ion Ratio Lower Upper

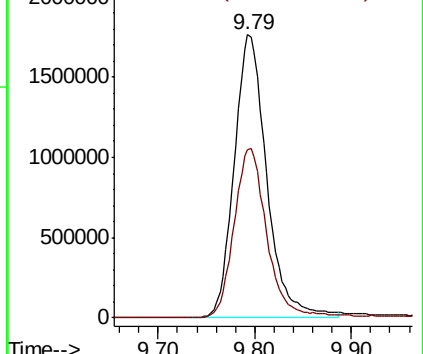
91 100

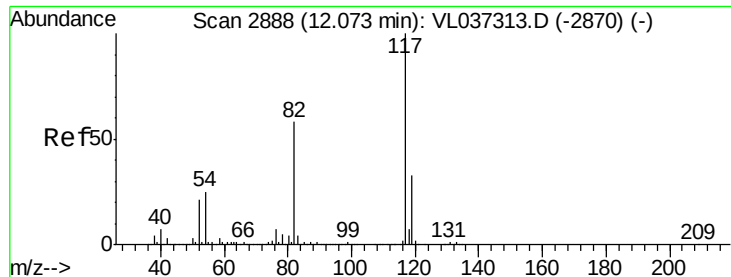
92 61.6 48.8 73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

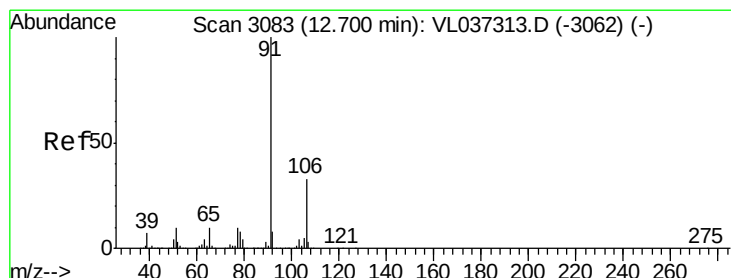
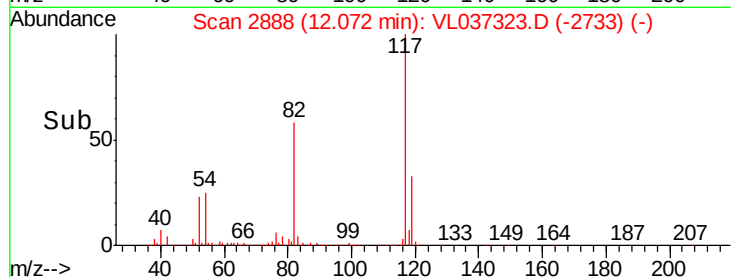
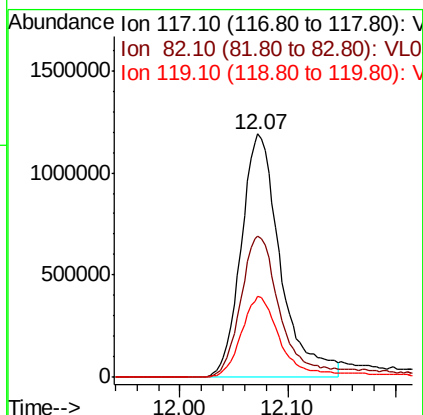
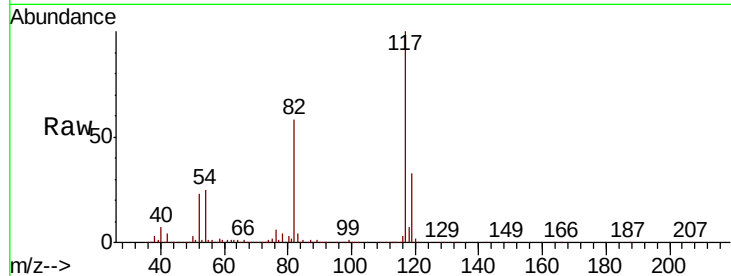




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.00 min
Lab File: VL037323.D
Acq: 5 Aug 2021 1:12

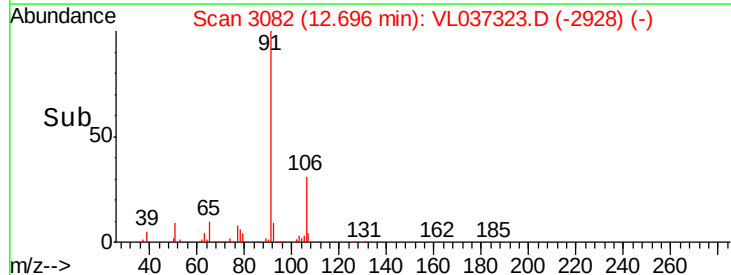
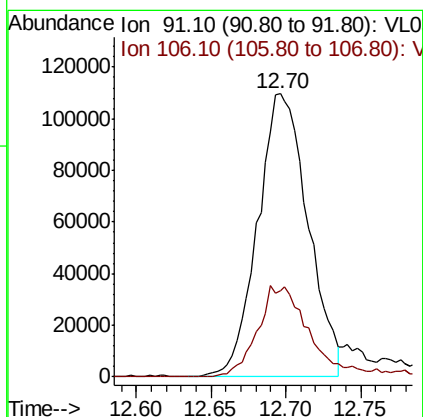
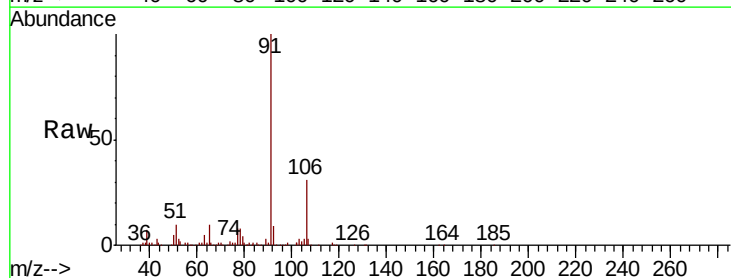
Instrument :
MSVOA_L
ClientSampleId :

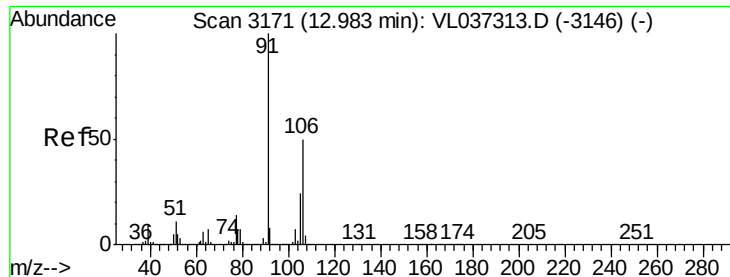
Tot Ion:117 Resp: 3009622
Ion Ratio Lower Upper
117 100
82 66.4 50.3 75.5
119 36.9 48.2 72.2#



#58
Ethyl Benzene
Concen: 0.579 ppbv
RT: 12.70 min Scan# 3082
Delta R.T. -0.00 min
Lab File: VL037323.D
Acq: 5 Aug 2021 1:12

Tgt Ion: 91 Resp: 256063
Ion Ratio Lower Upper
91 100
106 30.7 26.2 39.2

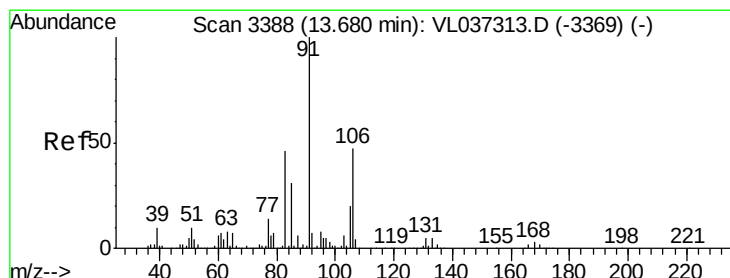
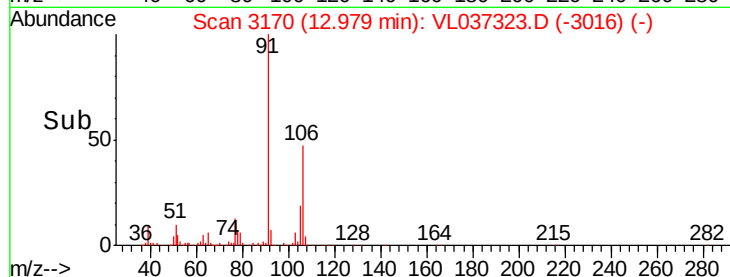
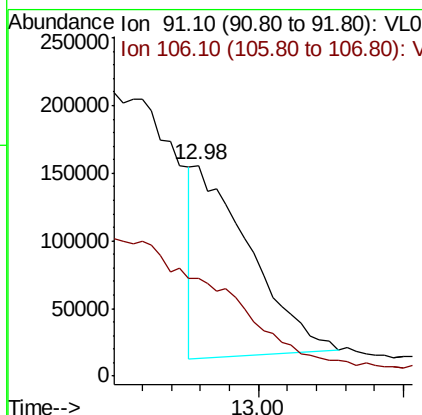
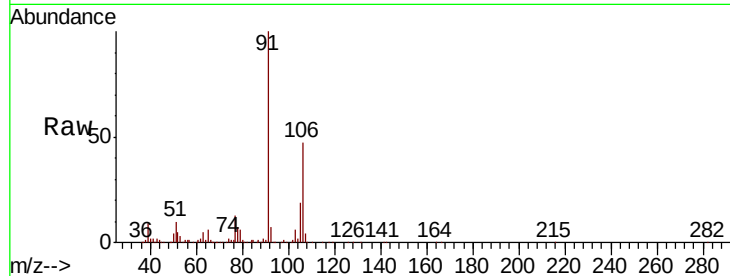




#59
m/p-Xylene
Concen: 0.508 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VL037323.D
Acq: 5 Aug 2021 1:12

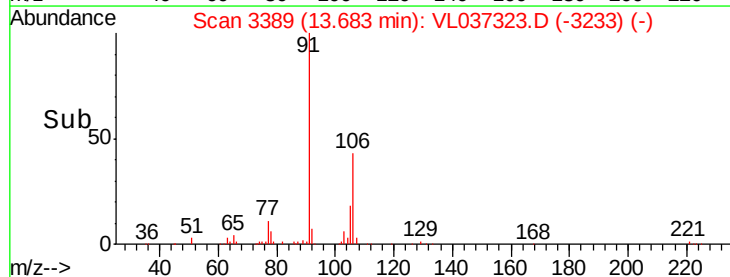
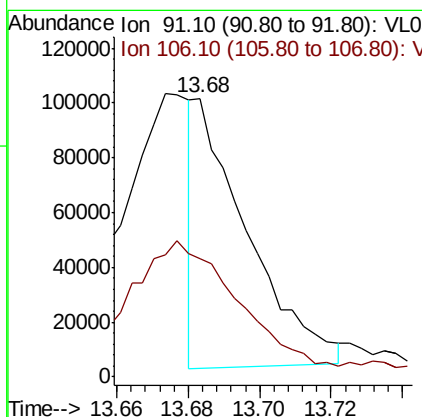
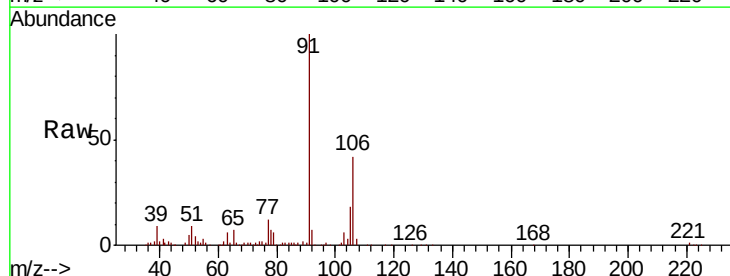
Instrument :
MSVOA_L
ClientSampled :

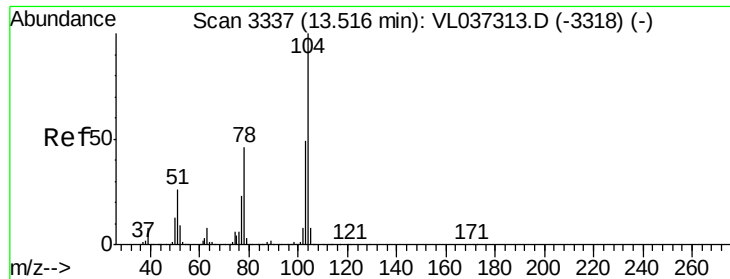
Tot Ion: 91 Resp: 189015
Ion Ratio Lower Upper
91 100
106 0.0 37.8 56.8#



#60
o-Xylene
Concen: 0.293 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VL037323.D
Acq: 5 Aug 2021 1:12

Tgt Ion: 91 Resp: 99162
Ion Ratio Lower Upper
91 100
106 0.0 26.3 78.8#





#61

Stvrene

Concen: 0.076 ppbv

RT: 13.51 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VL037323.D

Acq: 5 Aug 2021 1:12

Instrument :

MSVOA_L

ClientSampleId :

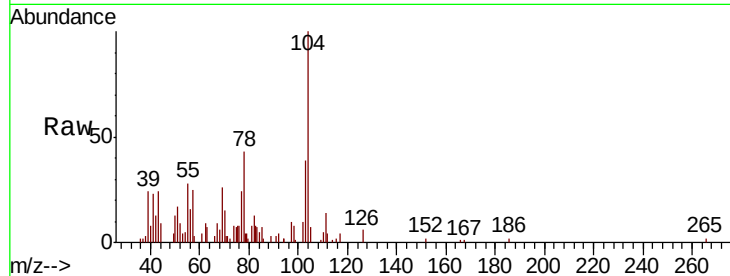
Tot Ion:104 Resp: 14135

Ion Ratio Lower Upper

104 100

78 98.5 39.3 58.9#

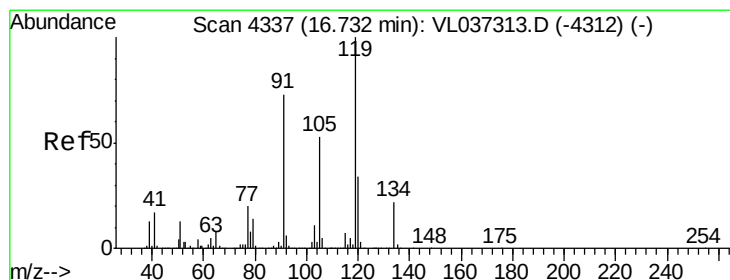
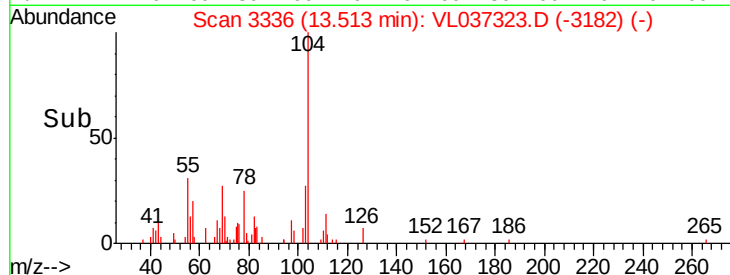
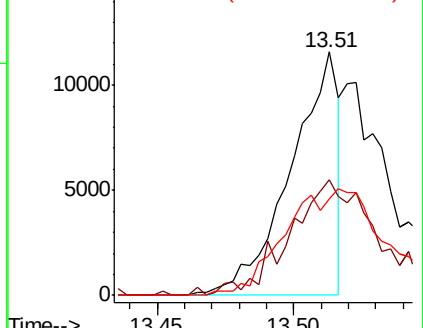
103 99.1 40.6 60.8#



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



#65

tert-Butylbenzene

Concen: 0.053 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. 0.01 min

Lab File: VL037323.D

Acq: 5 Aug 2021 1:12

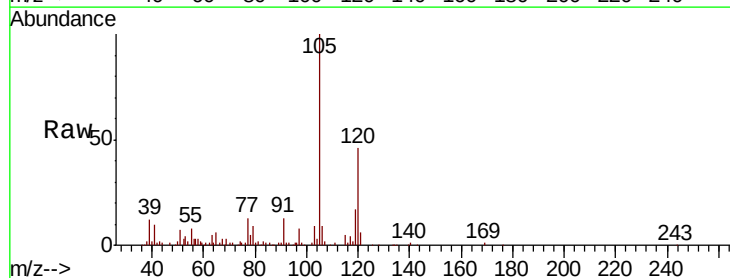
Tgt Ion:119 Resp: 24039

Ion Ratio Lower Upper

119 100

91 139.5 58.6 88.0#

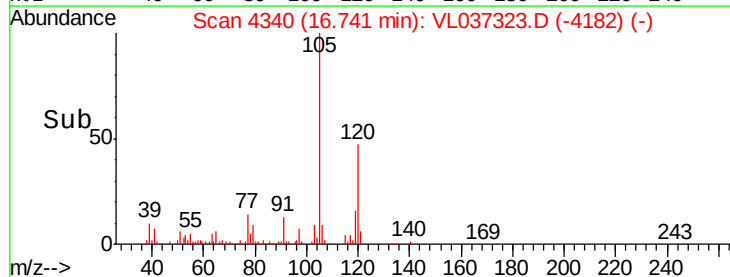
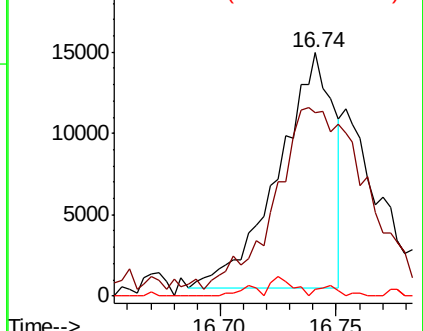
134 7.2 16.5 24.7#

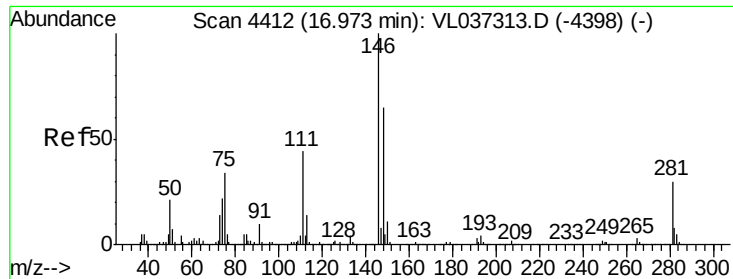


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

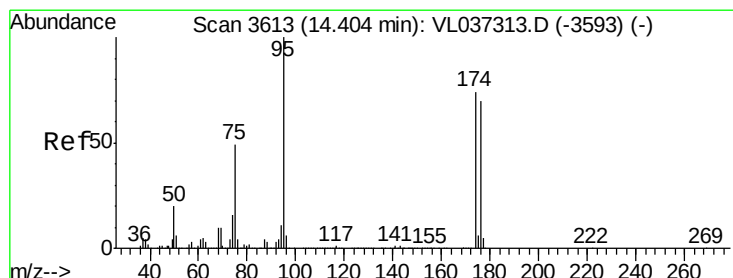
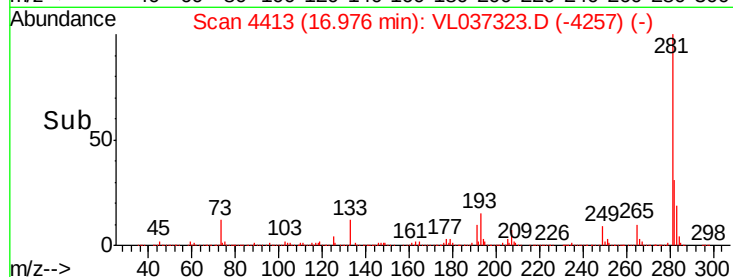
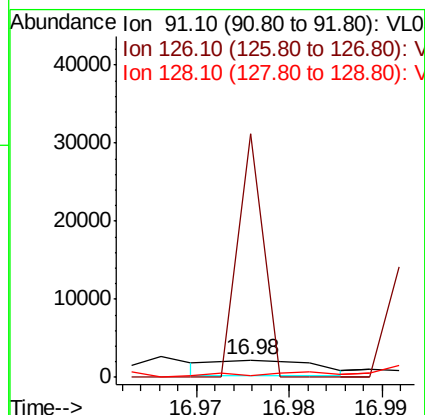
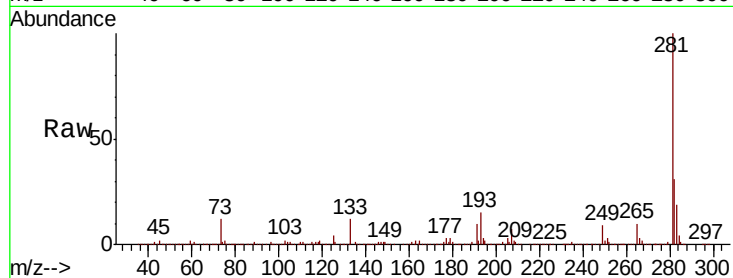




#66
Benzyl Chloride
Concen: 0.086 ppbv
RT: 16.98 min Scan# 4413
Delta R.T. 0.00 min
Lab File: VL037323.D
Acq: 5 Aug 2021 1:12

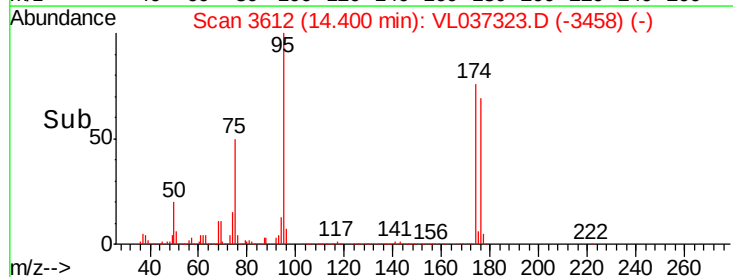
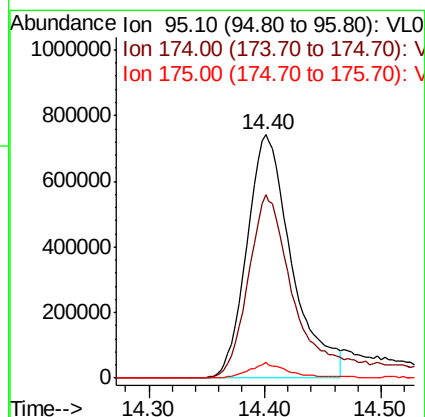
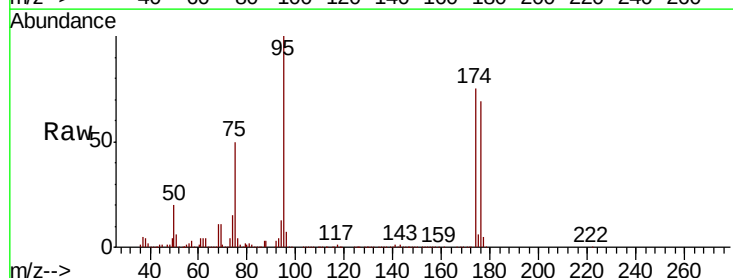
Instrument :
MSVOA_L
ClientSampleId :

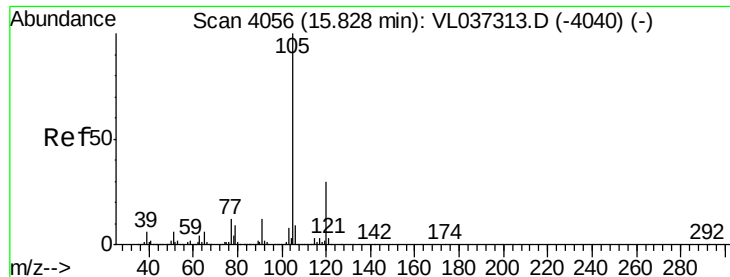
Tot Ion: 91 Resp: 1511
Ion Ratio Lower Upper
91 100
126 654.2 17.8 26.6#
128 0.0 5.8 8.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.724 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. -0.00 min
Lab File: VL037323.D
Acq: 5 Aug 2021 1:12

Tgt Ion: 95 Resp: 1999092
Ion Ratio Lower Upper
95 100
174 86.2 66.9 100.3
175 5.7 5.1 7.7





#72

4-Ethyltoluene

Concen: 0.088 ppbv

RT: 15.82 min Scan# 4056

Delta R.T. -0.00 min

Lab File: VL037323.D

Acq: 5 Aug 2021 1:12

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 36065

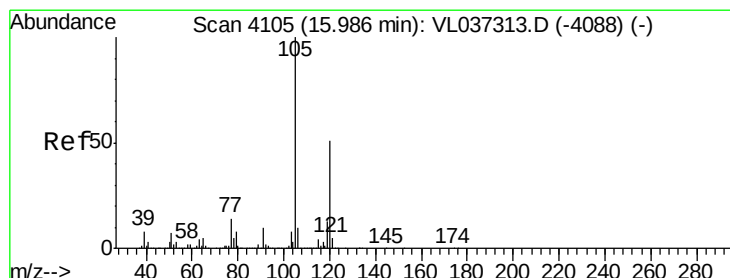
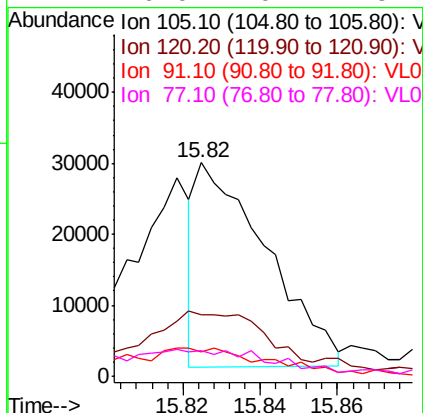
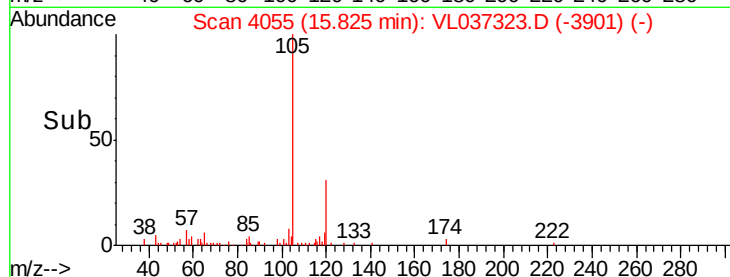
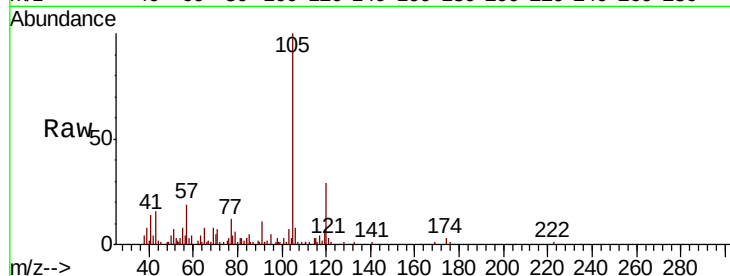
Ion Ratio Lower Upper

105 100

120 65.0 25.6 38.4#

91 22.2 9.4 14.2#

77 0.0 10.2 15.4#



#73

1,3,5-Trimethylbenzene

Concen: 0.058 ppbv

RT: 15.99 min Scan# 4105

Delta R.T. -0.00 min

Lab File: VL037323.D

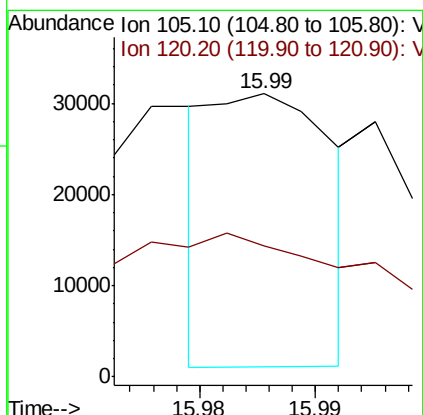
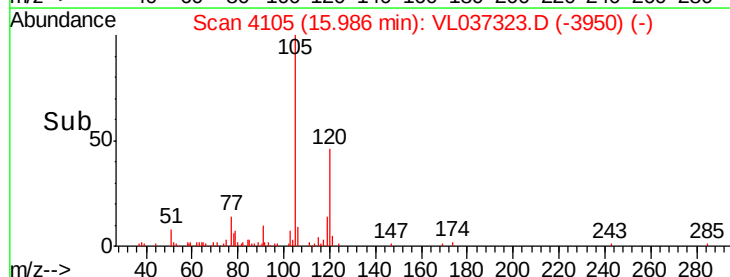
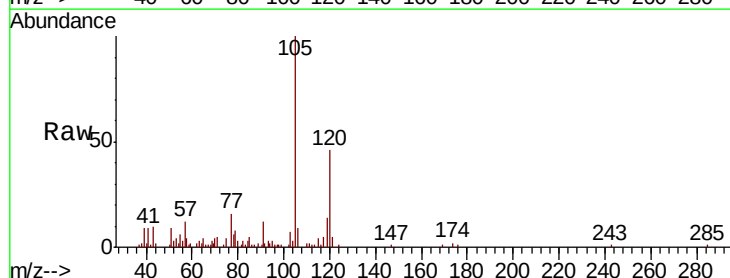
Acq: 5 Aug 2021 1:12

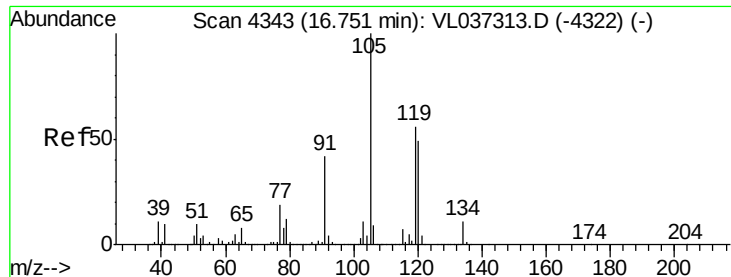
Tgt Ion:105 Resp: 21369

Ion Ratio Lower Upper

105 100

120 41.8 40.4 60.6





#74

1,2,4-Trimethylbenzene

Concen: 0.588 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.00 min

Lab File: VL037323.D

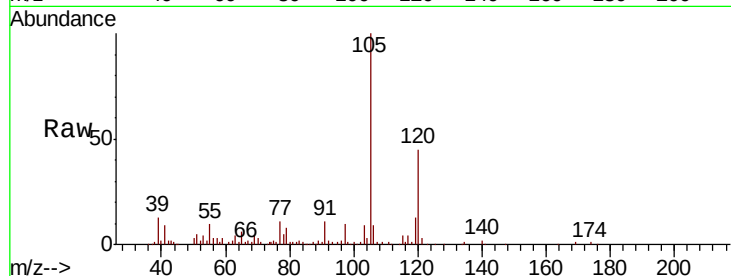
Acq: 5 Aug 2021 1:12

Instrument :

MSVOA_L

ClientSampled :

Tot Ion:	105	Resp:	230580
Ion	Ratio	Lower	Upper
105	100		
120	44.3	39.6	59.4
91	10.2	34.5	51.7#
77	9.9	15.3	22.9#

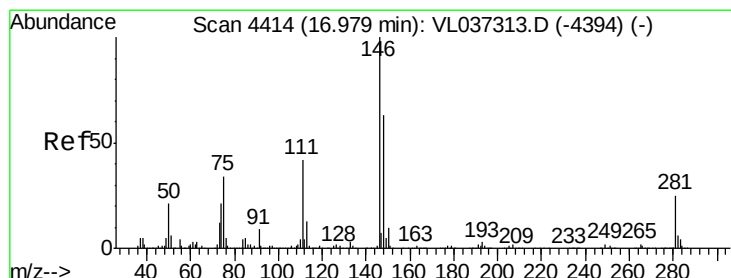
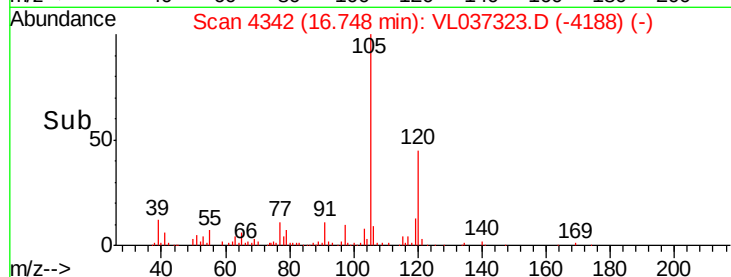
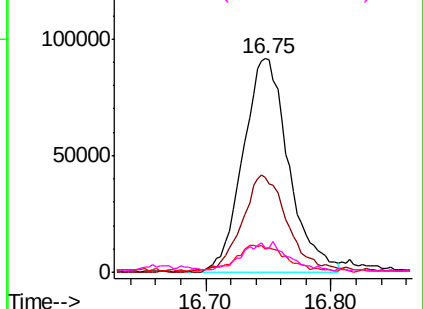


Abundance Ion 105.10 (104.80 to 105.80): V

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



#75

1,3-Dichlorobenzene

Concen: 0.083 ppbv

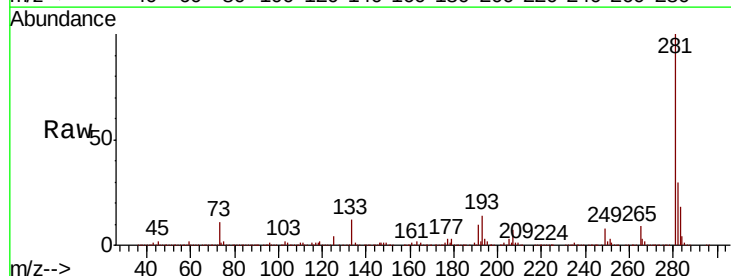
RT: 16.98 min Scan# 4415

Delta R.T. 0.00 min

Lab File: VL037323.D

Acq: 5 Aug 2021 1:12

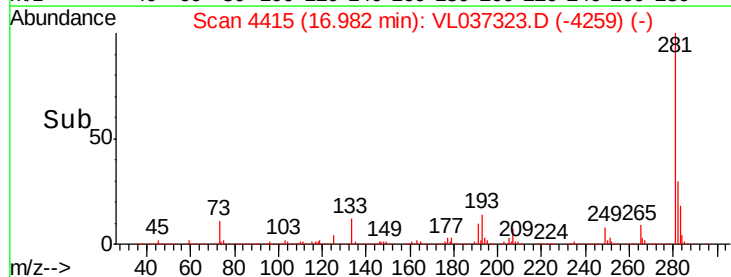
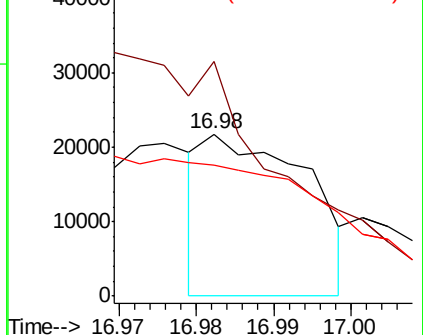
Tgt Ion:	146	Resp:	20020
Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.4	64.3#
148	0.0	32.6	97.7#

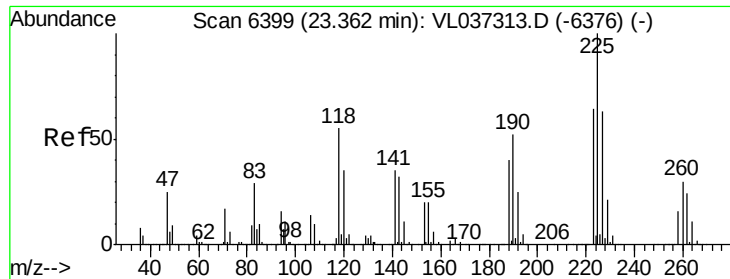


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#78

Hexachloro-1,3-Butadiene

Concen: 0.067 ppbv

RT: 23.36 min Scan# 6398

Delta R.T. -0.00 min

Lab File: VL037323.D

Acq: 5 Aug 2021 1:12

Instrument :

MSVOA_L

ClientSampleId :

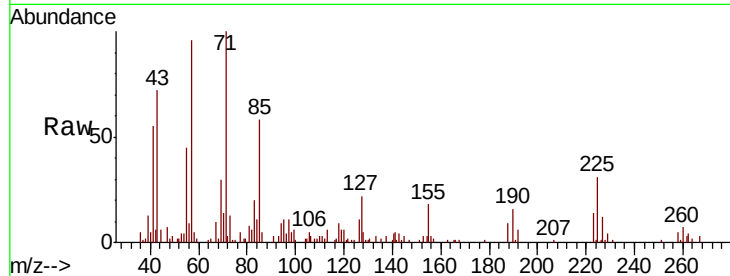
Tot Ion:225 Resp: 14032

Ion Ratio Lower Upper

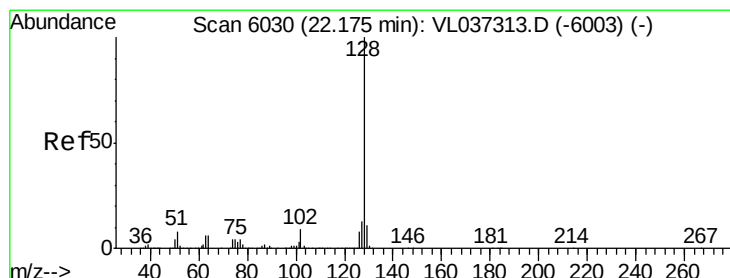
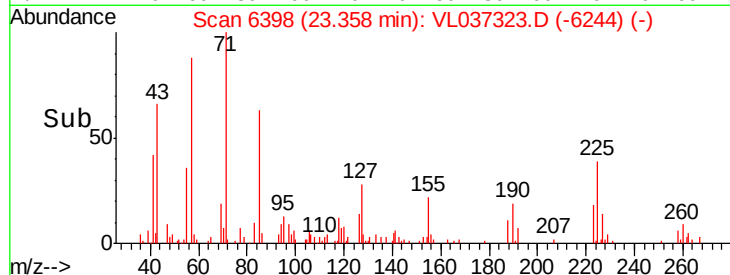
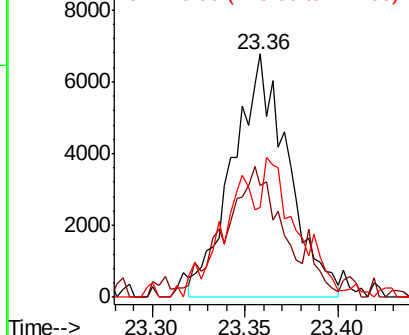
225 100

223 61.7 51.1 76.7

227 71.7 51.9 77.9



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V



#79

Naphthalene

Concen: 0.083 ppbv

RT: 22.19 min Scan# 6034

Delta R.T. 0.01 min

Lab File: VL037323.D

Acq: 5 Aug 2021 1:12

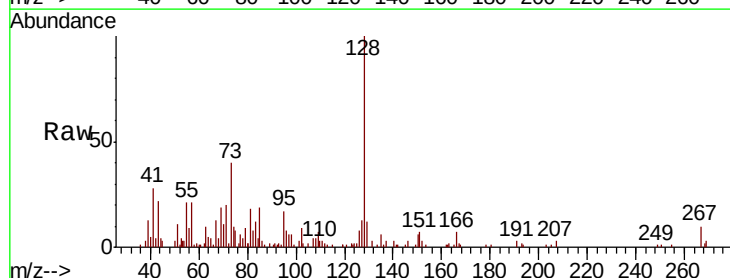
Tgt Ion:128 Resp: 29825

Ion Ratio Lower Upper

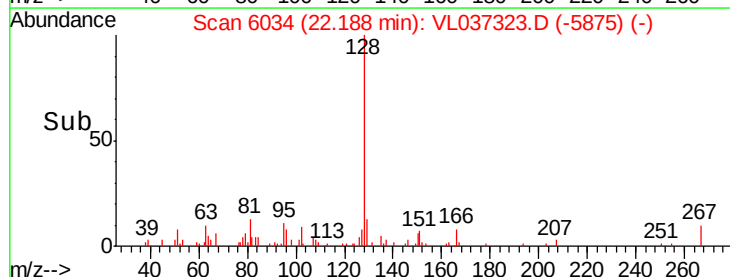
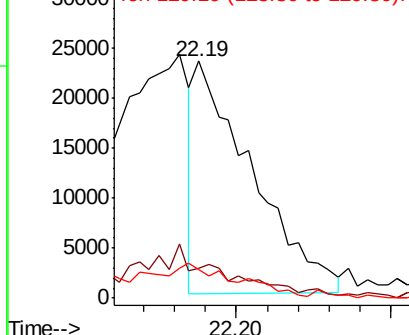
128 100

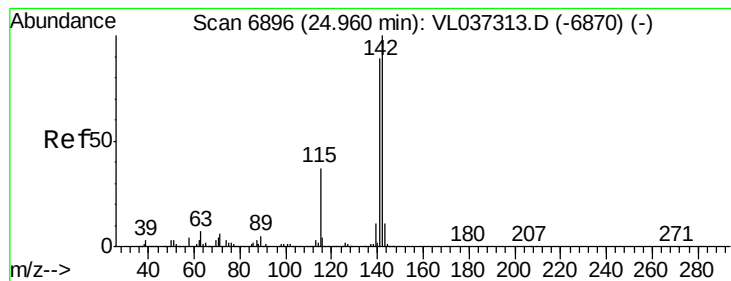
127 12.5 10.3 15.5

129 12.3 8.6 12.8



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 1.494 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. -0.01 min

Lab File: VL037323.D

Acq: 5 Aug 2021 1:12

Instrument :

MSVOA_L

ClientSampleId :

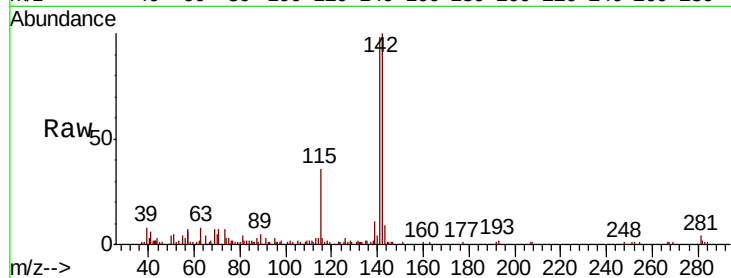
Tot Ion:142 Resp: 87375

Ion Ratio Lower Upper

142 100

141 79.8 67.2 100.8

115 32.0 27.9 41.9



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

