

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062921\
 Data File : VL037248.D
 Acq On : 29 Jun 2021 14:22
 Operator : SY/AP
 Sample : M2887-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 30 05:20:53 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)
1) Bromochloromethane	5.66	49	1494182	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	4381512	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	4262571	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3378748	10.46	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	30037	0.116	ppbv 94
3) Chlorodifluoromethane	3.30	51	1897059	6.529	ppbv # 57
4) Chloromethane	3.20	50	29046	0.300	ppbv # 68
9) Propene	3.00	41	15745813	169.497	ppbv 94
10) Heptane	8.11	43	1629053	7.241	ppbv 98
11) Trichlorofluoromethane	3.95	101	25991	0.094	ppbv 95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	15403	0.079	ppbv 97
13) Ethanol	3.60	45	207876	14.465	ppbv 51
15) Acetone	3.84	43	16065340	95.346	ppbv 99
16) 1,3-Butadiene	3.30	39	11102667	111.461	ppbv # 38
17) tert-Butyl alcohol	4.29	59	440982	2.832	ppbv # 86
19) Isopropyl Alcohol	3.97	45	126126	1.236	ppbv # 91
20) Methylene Chloride	4.34	84	501086	4.967	ppbv # 91
21) Allyl Chloride	4.39	41	535518	4.216	ppbv # 1
23) Vinyl Acetate	5.05	43	215590	0.892	ppbv # 1
24) 1,1-Dichloroethane	5.13	63	41946	0.216	ppbv # 93
25) Ethyl Acetate	5.68	43	1881764	5.159	ppbv # 78
26) Hexane	5.68	57	2655647	14.405	ppbv # 41
27) Carbon Disulfide	4.54	76	149981	0.830	ppbv # 94
29) Chloroform	5.75	83	452159	1.588	ppbv 95
30) Cyclohexane	7.12	84	250123	1.628	ppbv 89
34) 2-Butanone	5.24	43	1320454	7.749	ppbv 99
36) Benzene	6.88	78	1933367	5.457	ppbv 98
39) 1,2-Dichloropropane	7.22	63	12233	0.093	ppbv # 1
41) Tetrahydrofuran	5.97	42	377499	4.769	ppbv # 36
42) Bromodichloromethane	7.80	83	75848	0.267	ppbv # 33
43) Methyl Methacrylate	7.98	69	44155	0.361	ppbv # 39
44) 2,2,4-Trimethylpentane	7.85	57	29044	0.049	ppbv # 42
50) 4-Methyl-2-Pentanone	8.74	43	187058	0.799	ppbv 89
51) 2-Hexanone	10.12	43	124789	1.096	ppbv # 46
53) Toluene	9.80	91	1679607	3.969	ppbv 98
57) Chlorobenzene	12.14	112	20282	0.059	ppbv # 88
58) Ethyl Benzene	12.70	91	371315	0.633	ppbv # 86
59) m/p-Xylene	12.96	91	600074	1.207	ppbv 98
60) o-Xylene	13.68	91	239873	0.507	ppbv 97
61) Styrene	13.52	104	90938	0.372	ppbv 91
62) Isopropylbenzene	14.65	105	111903	0.166	ppbv 95
65) tert-Butylbenzene	16.74	119	60500	0.101	ppbv # 25
66) Benzyl Chloride	16.95	91	1261	0.050	ppbv # 1
67) sec-Butylbenzene	17.28	105	600676	0.754	ppbv 95
69) p-Isopropyltoluene	17.53	119	305807	0.455	ppbv 97

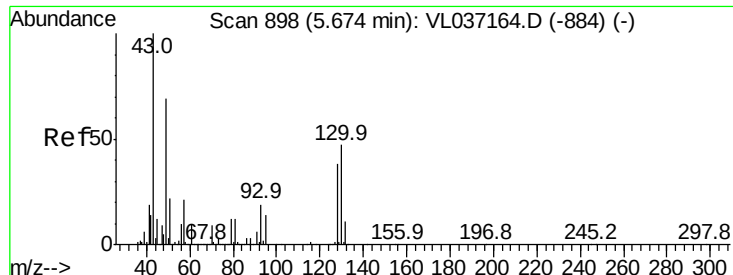
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062921\
 Data File : VL037248.D
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Quant Time: Jun 30 05:20:53 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 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)
70) n-Butylbenzene	18.55	91	554110	0.890	ppbv #	40
72) 4-Ethyltoluene	15.83	105	210822	0.392	ppbv #	94
73) 1,3,5-Trimethylbenzene	15.98	105	462184	0.889	ppbv	97
74) 1,2,4-Trimethylbenzene	16.75	105	1086187	2.027	ppbv #	70
75) 1,3-Dichlorobenzene	16.98	146	47755	0.147	ppbv #	1
77) 1,2-Dichlorobenzene	17.80	146	22711	0.072	ppbv #	1
79) Naphthalene	22.19	128	1012110	2.266	ppbv #	96
80) Naphthalene,2-methyl-	25.29	142	17132	0.146	ppbv	93

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

Instrument :
MSVOA_L
ClientSampleId :

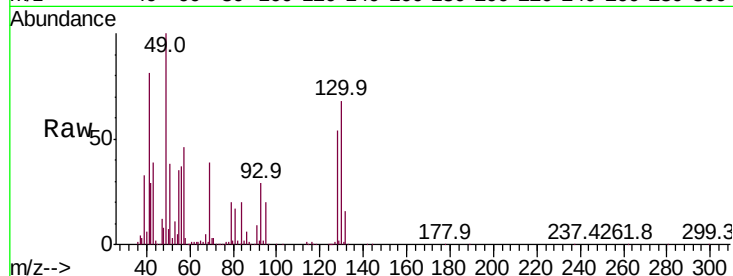
Tot Ion: 49 Resp: 1494182

Ion Ratio Lower Upper

49 100

128 55.4 29.3 88.0

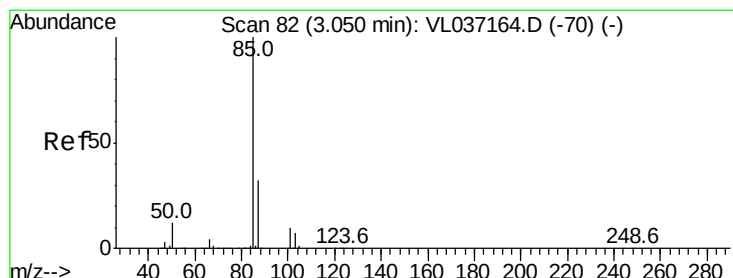
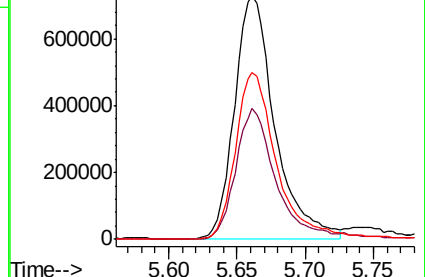
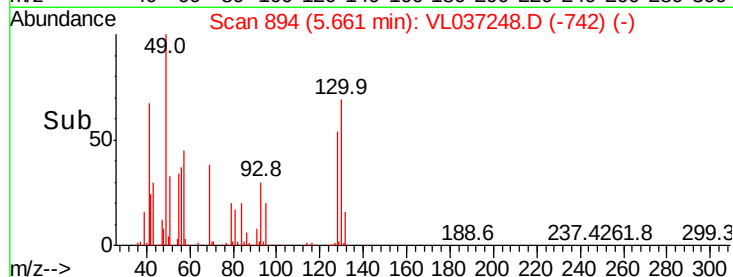
130 71.3 35.9 107.8



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: 0.116 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL037248.D

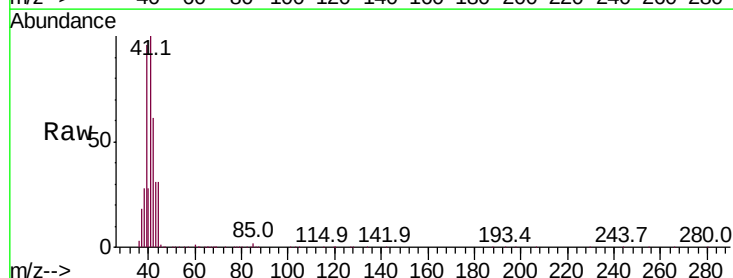
Acq: 29 Jun 2021 14:22

Tgt Ion: 85 Resp: 30037

Ion Ratio Lower Upper

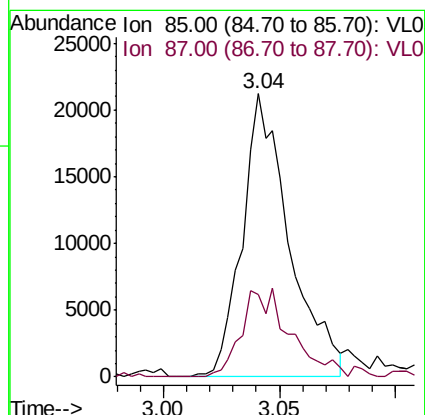
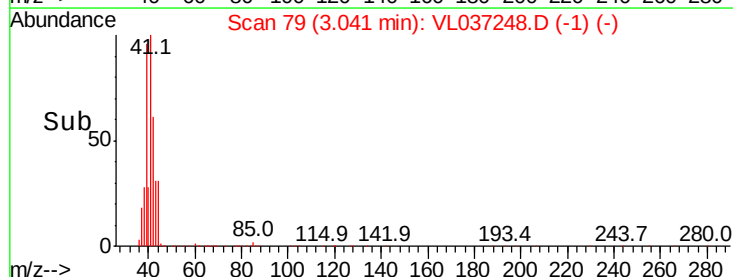
85 100

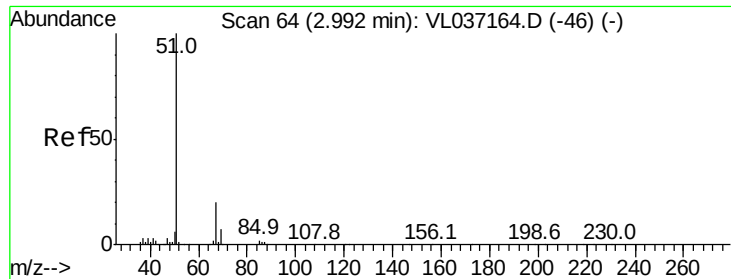
87 29.0 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

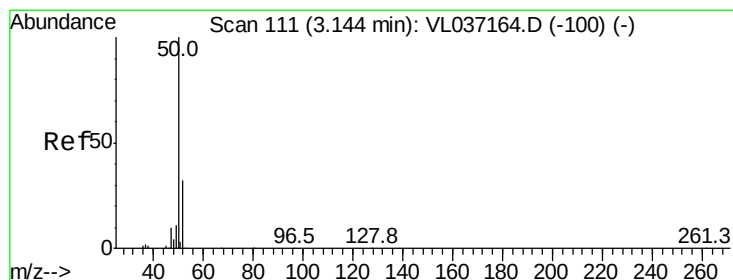
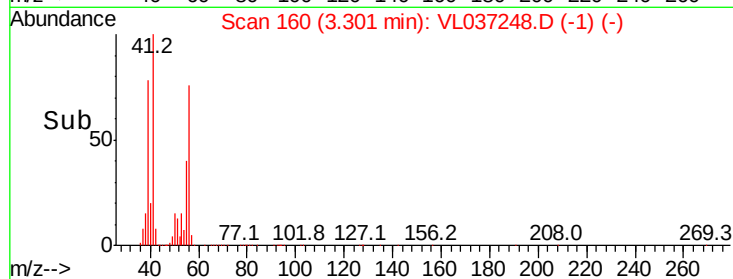
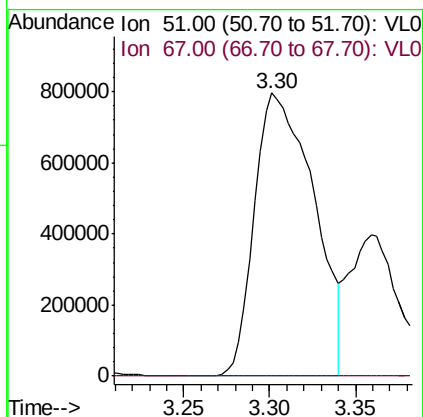
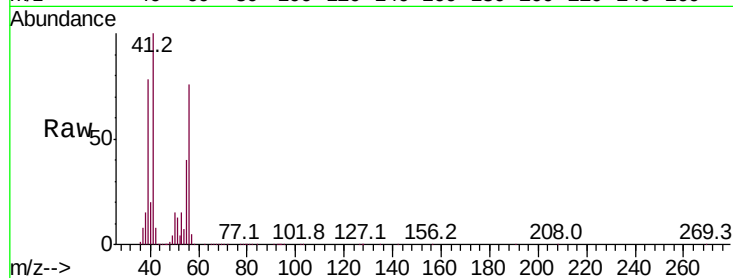




#3
 Chlorodifluoromethane
 Concen: 6.529 ppbv
 RT: 3.30 min Scan# 160
 Delta R.T. 0.31 min
 Lab File: VL037248.D
 Acq: 29 Jun 2021 14:22

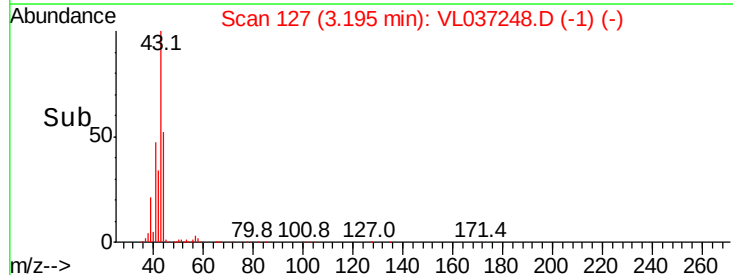
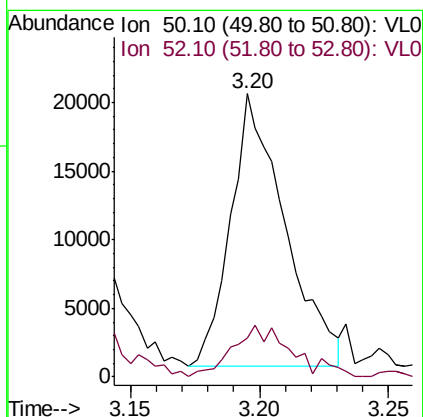
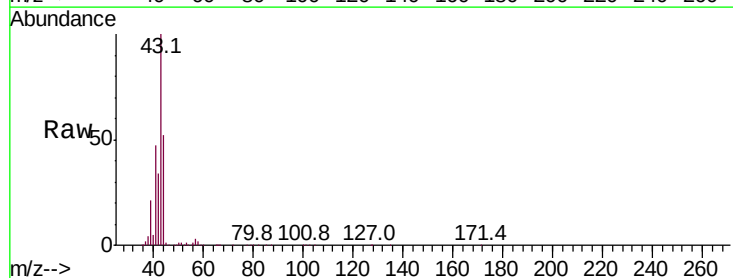
Instrument :
 MSVOA_L
 ClientSampleId :

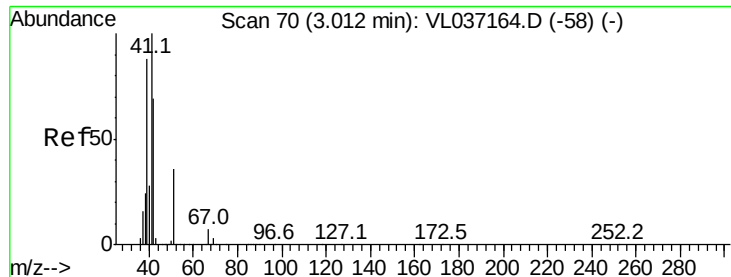
Tot Ion: 51 Resp: 1897059
 Ion Ratio Lower Upper
 51 100
 67 0.2 15.8 23.6#



#4
 Chloromethane
 Concen: 0.300 ppbv
 RT: 3.20 min Scan# 127
 Delta R.T. 0.05 min
 Lab File: VL037248.D
 Acq: 29 Jun 2021 14:22

Tgt Ion: 50 Resp: 29046
 Ion Ratio Lower Upper
 50 100
 52 14.3 25.8 38.8#





#9

Propene

Concen: 169.497 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

Instrument :

MSVOA_L

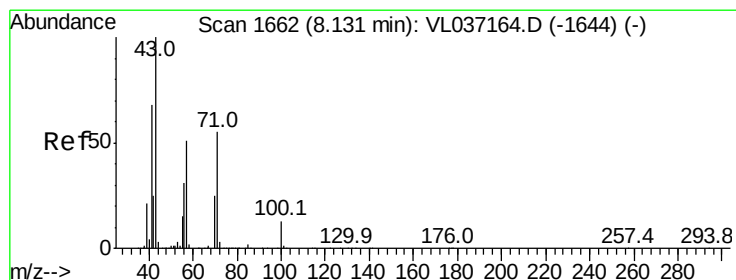
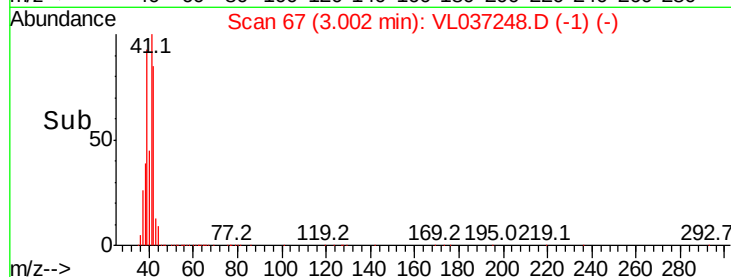
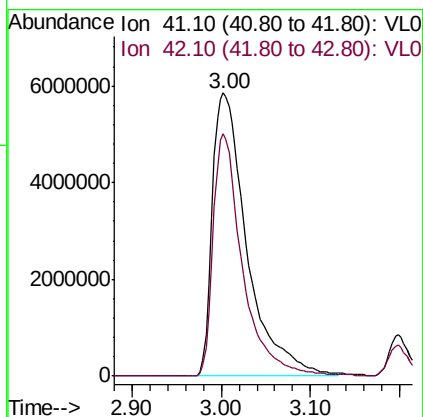
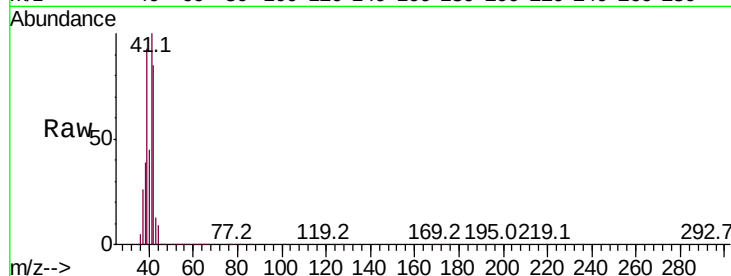
ClientSampleId :

Tot Ion: 41 Resp:15745813

Ion Ratio Lower Upper

41 100

42 72.8 54.5 81.7



#10

Heptane

Concen: 7.241 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.02 min

Lab File: VL037248.D

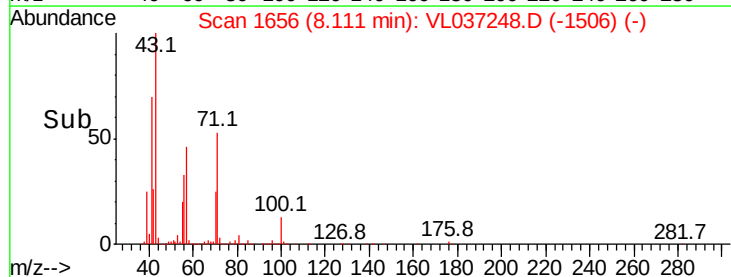
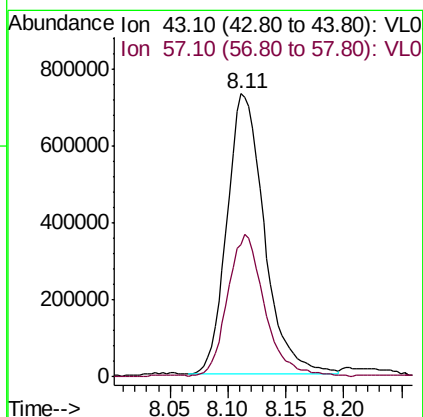
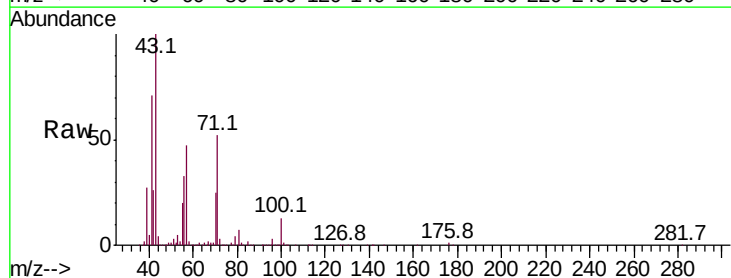
Acq: 29 Jun 2021 14:22

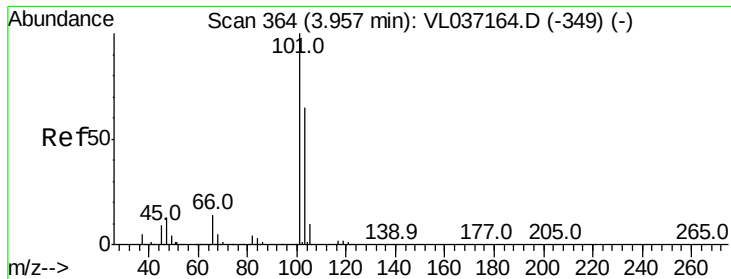
Tgt Ion: 43 Resp: 1629053

Ion Ratio Lower Upper

43 100

57 49.6 40.6 61.0

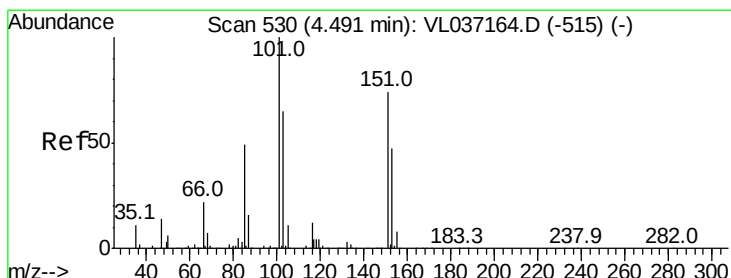
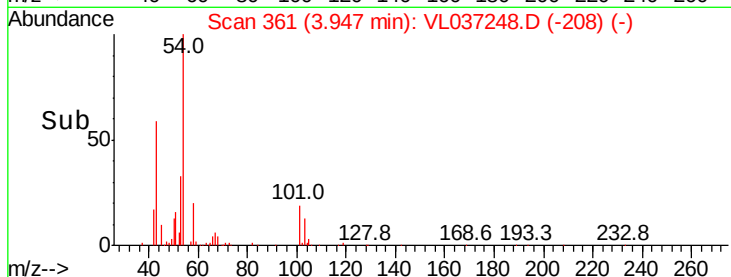
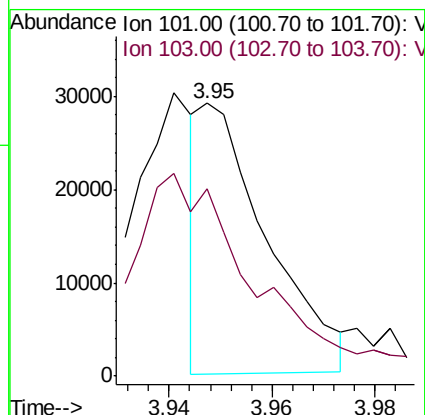
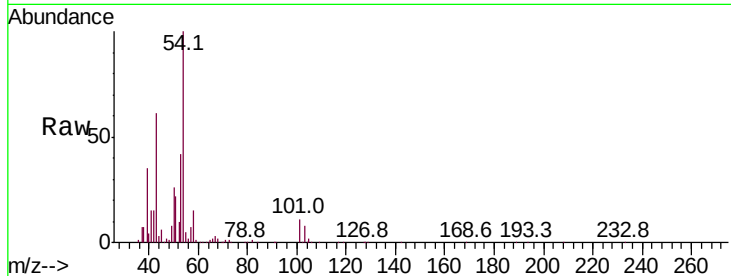




#11
 Trichlorofluoromethane
 Concen: 0.094 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VL037248.D
 Acq: 29 Jun 2021 14:22

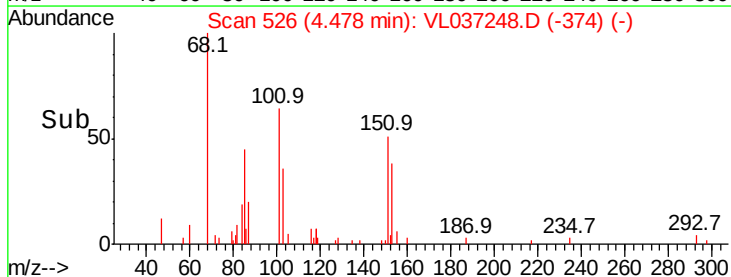
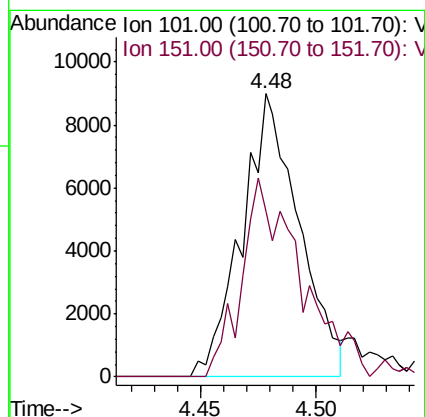
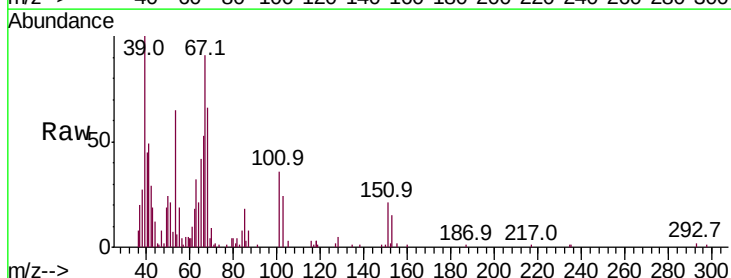
Instrument :
 MSVOA_L
 ClientSampleId :

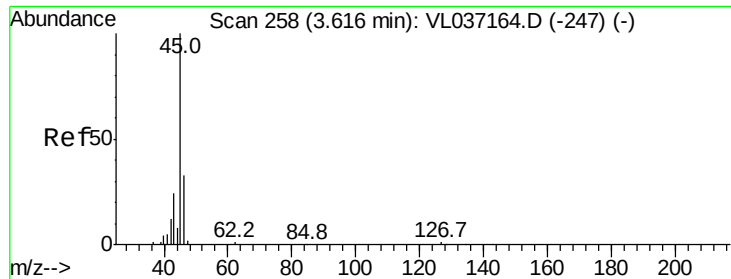
Tot Ion:101 Resp: 25991
 Ion Ratio Lower Upper
 101 100
 103 69.4 52.2 78.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.079 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL037248.D
 Acq: 29 Jun 2021 14:22

Tgt Ion:101 Resp: 15403
 Ion Ratio Lower Upper
 101 100
 151 76.6 59.1 88.7

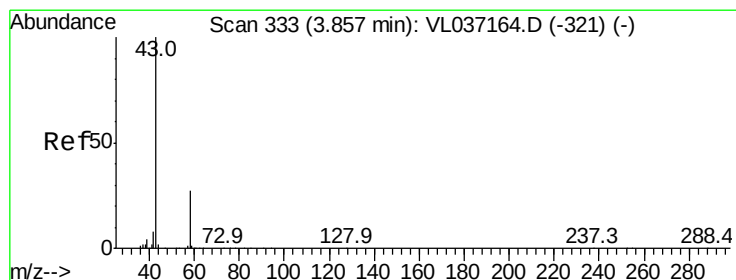
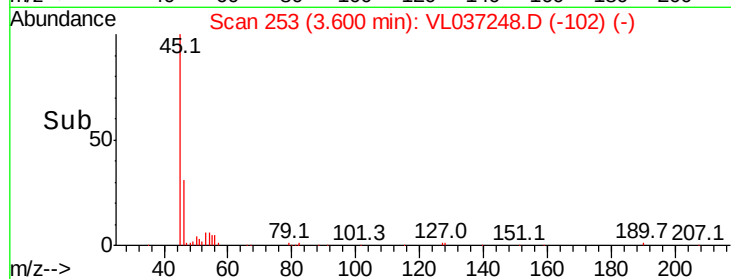
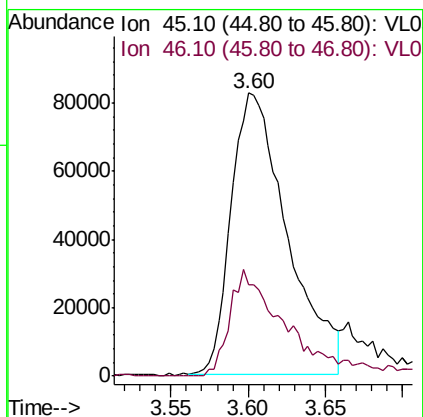
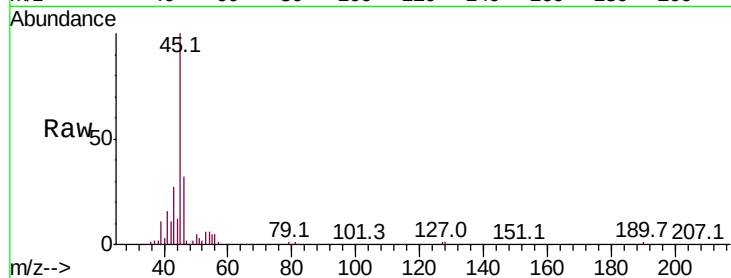




#13
Ethanol
Concen: 14.465 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.02 min
Lab File: VL037248.D
Acq: 29 Jun 2021 14:22

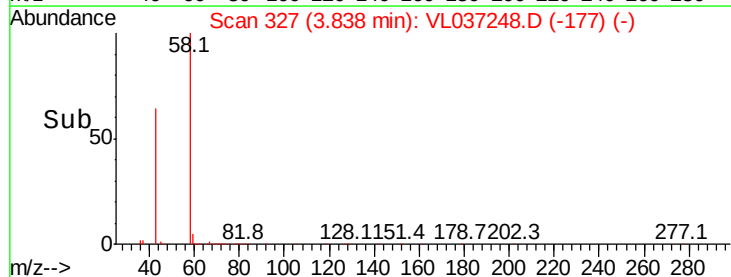
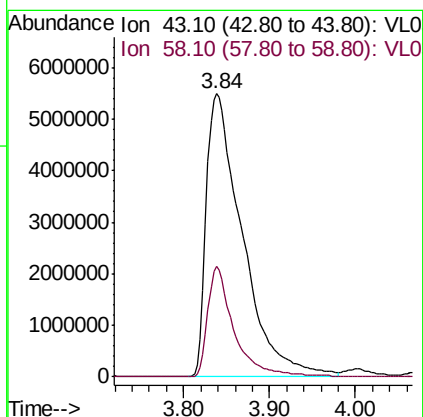
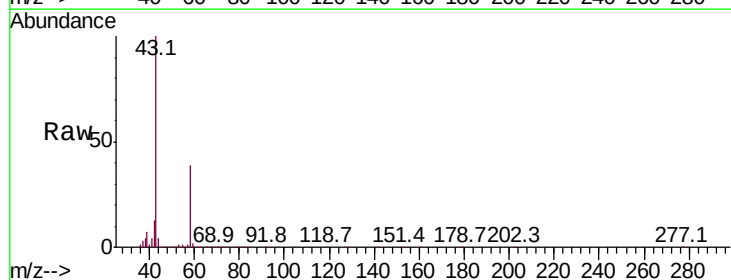
Instrument :
MSVOA_L
ClientSampleId :

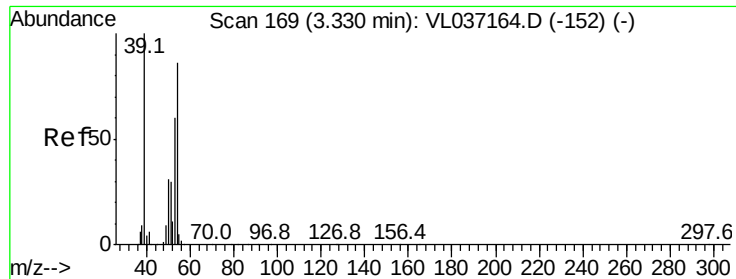
Tot Ion: 45 Resp: 207876
Ion Ratio Lower Upper
45 100
46 41.0 34.2 137.0



#15
Acetone
Concen: 95.346 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.02 min
Lab File: VL037248.D
Acq: 29 Jun 2021 14:22

Tgt Ion: 43 Resp: 16065340
Ion Ratio Lower Upper
43 100
58 29.0 23.7 35.5

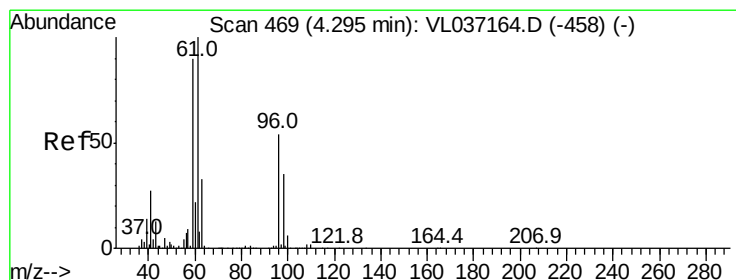
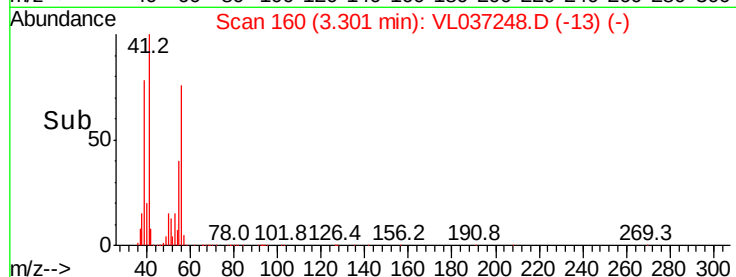
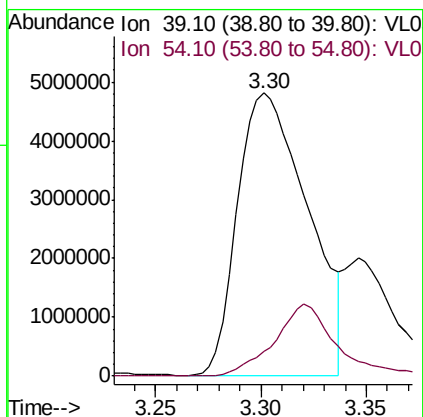
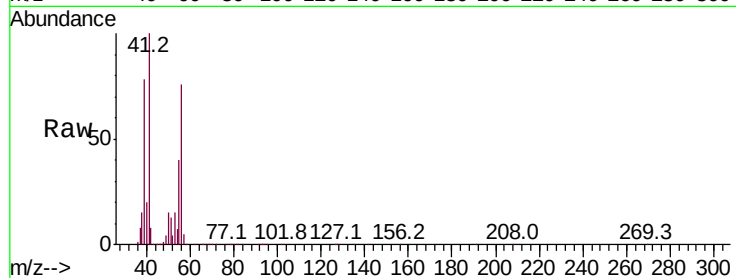




#16
 1,3-Butadiene
 Concen: 111.461 ppbv
 RT: 3.30 min Scan# 160
 Delta R.T. -0.03 min
 Lab File: VL037248.D
 Acq: 29 Jun 2021 14:22

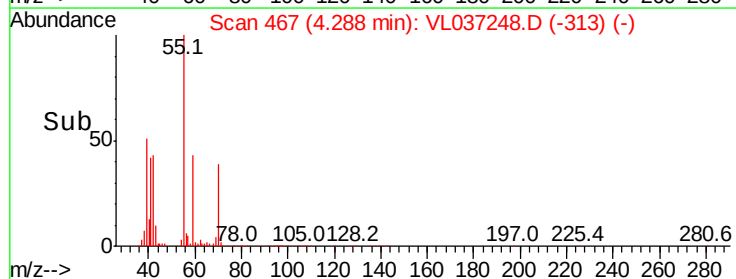
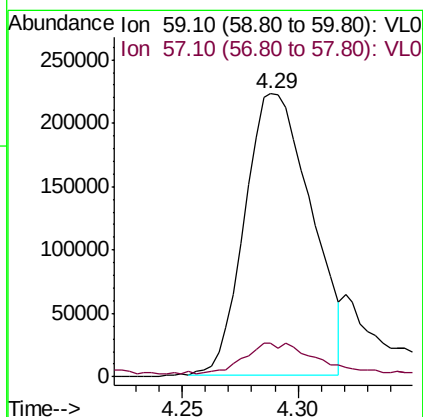
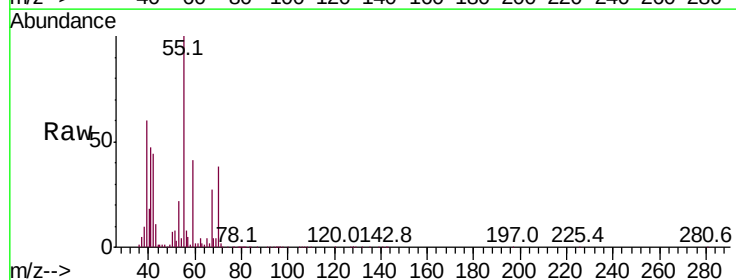
Instrument :
 MSVOA_L
 ClientSampleId :

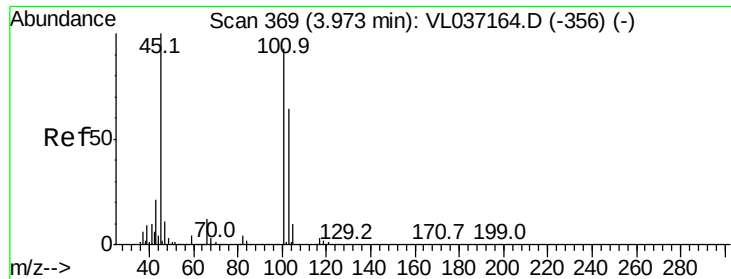
Tot Ion: 39 Resp: 11102667
 Ion Ratio Lower Upper
 39 100
 54 22.8 61.2 91.8#



#17
 tert-Butyl alcohol
 Concen: 2.832 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. -0.01 min
 Lab File: VL037248.D
 Acq: 29 Jun 2021 14:22

Tgt Ion: 59 Resp: 440982
 Ion Ratio Lower Upper
 59 100
 57 16.3 8.8 13.2#





#19

Isopropyl Alcohol

Concen: 1.236 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.01 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

Instrument :

MSVOA_L

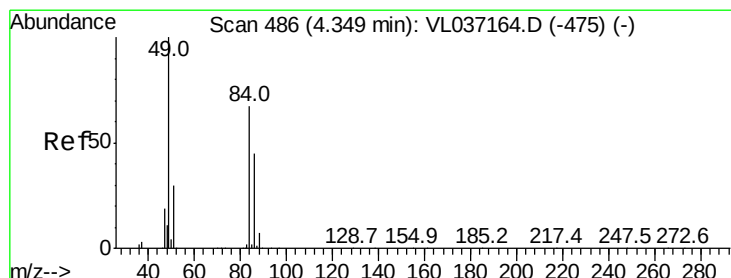
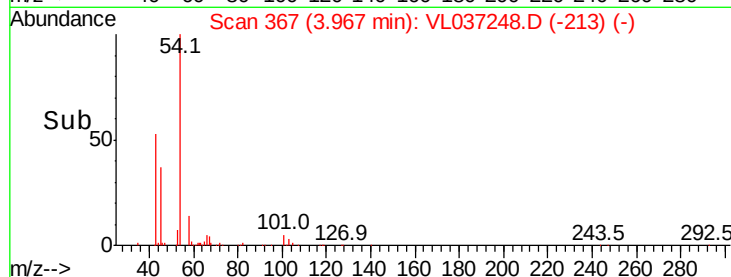
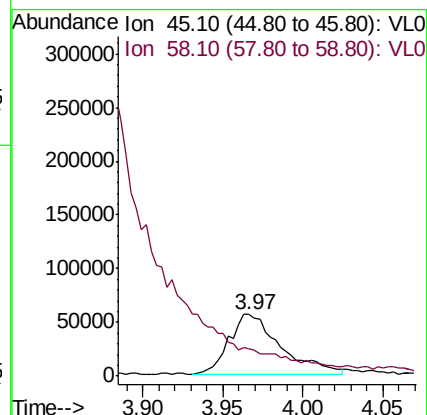
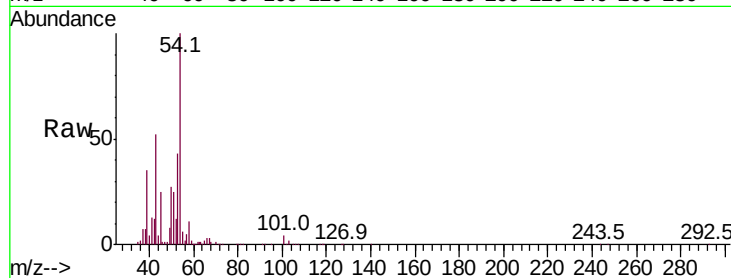
ClientSampleId :

Tot Ion: 45 Resp: 126126

Ion Ratio Lower Upper

45 100

58 0.0 2.4 3.6#



#20

Methylene Chloride

Concen: 4.967 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

Tgt Ion: 84 Resp: 501086

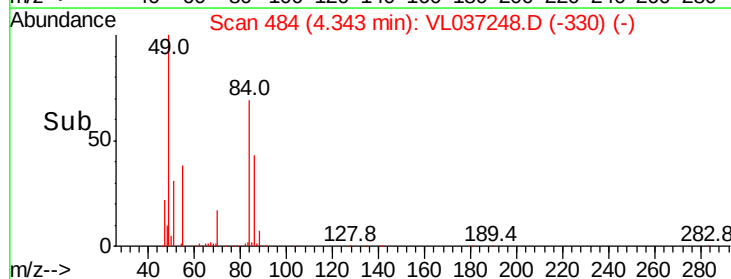
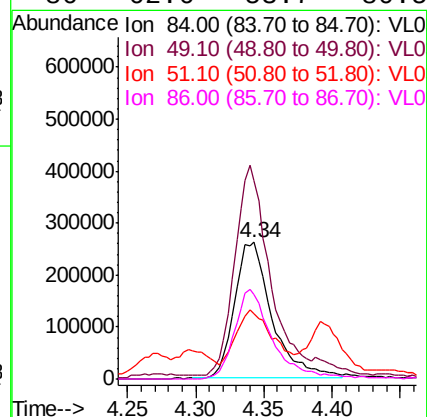
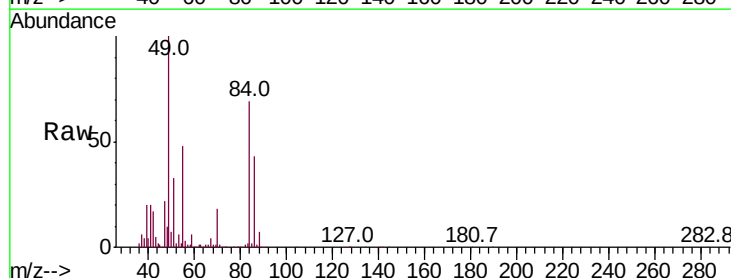
Ion Ratio Lower Upper

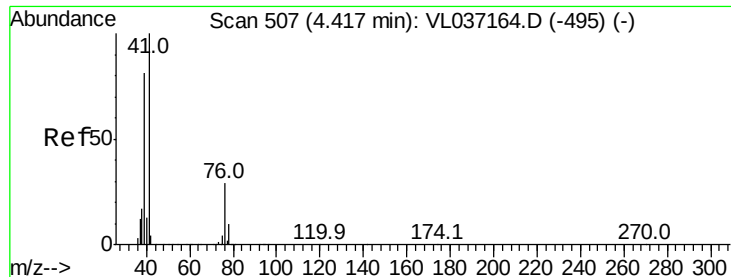
84 100

49 143.1 119.7 179.5

51 27.3 36.1 54.1#

86 62.6 53.7 80.5





#21

Allvl Chloride

Concen: 4.216 ppbv

RT: 4.39 min Scan# 500

Delta R.T. -0.02 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

Instrument :

MSVOA_L

ClientSampleId :

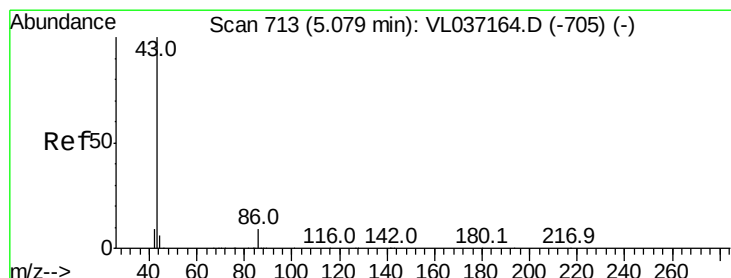
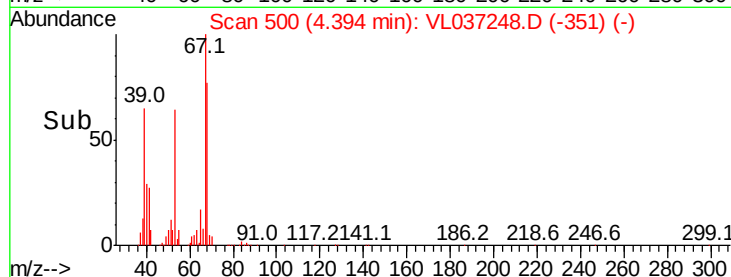
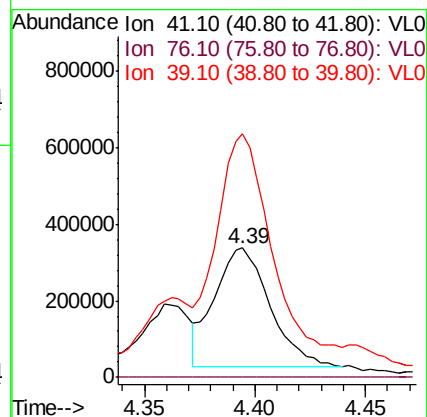
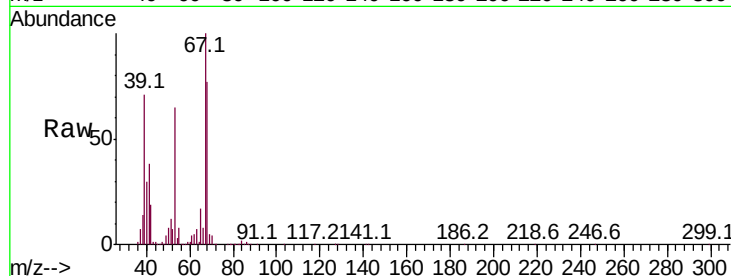
Tot Ion: 41 Resp: 535518

Ion Ratio Lower Upper

41 100

76 0.0 24.6 37.0#

39 287.2 65.4 98.0#



#23

Vinyl Acetate

Concen: 0.892 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.03 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

Tgt Ion: 43 Resp: 215590

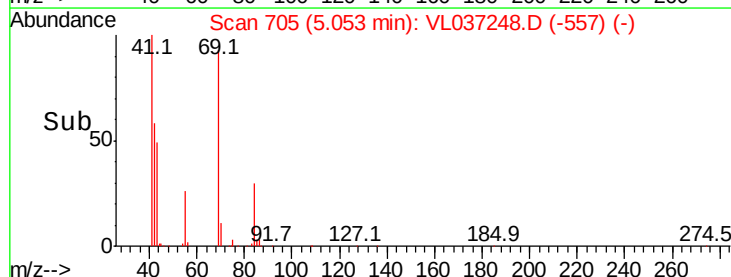
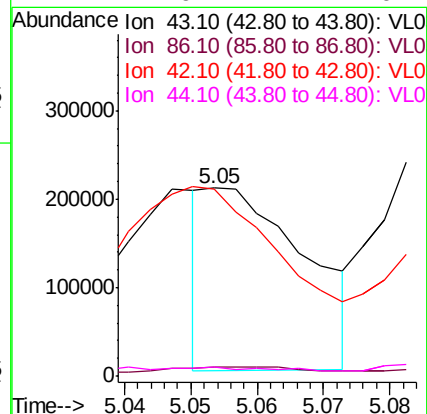
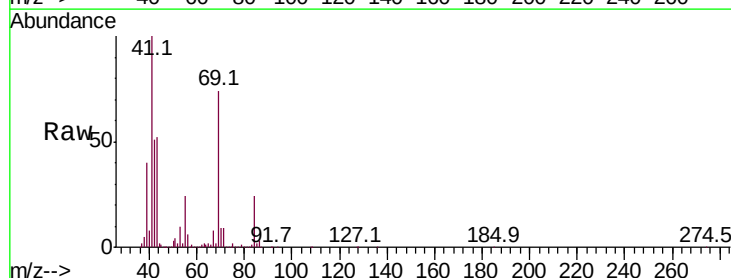
Ion Ratio Lower Upper

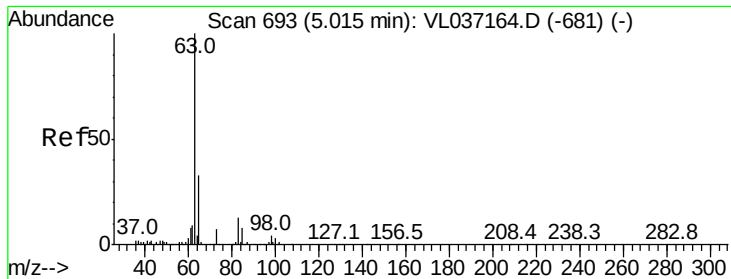
43 100

86 4.4 5.8 8.8#

42 135.9 8.2 12.2#

44 4.9 4.2 6.4

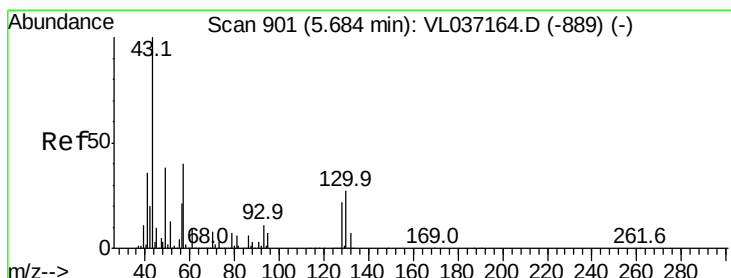
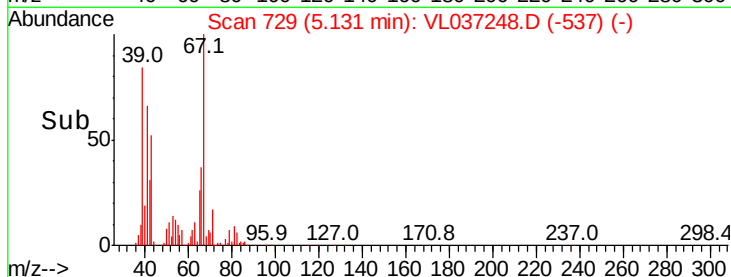
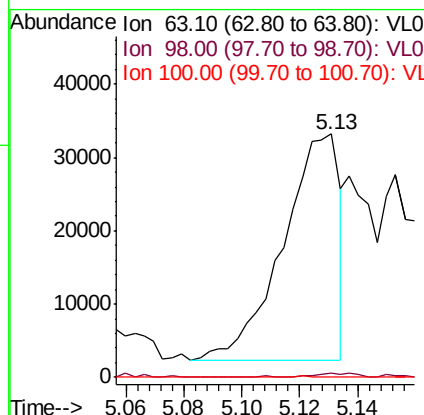
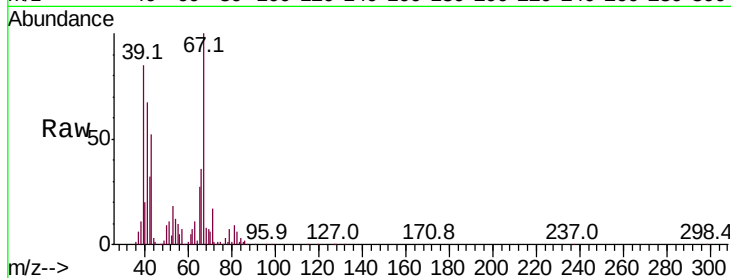




#24
1,1-Dichloroethane
Concen: 0.216 ppbv
RT: 5.13 min Scan# 729
Delta R.T. 0.12 min
Lab File: VL037248.D
Acq: 29 Jun 2021 14:22

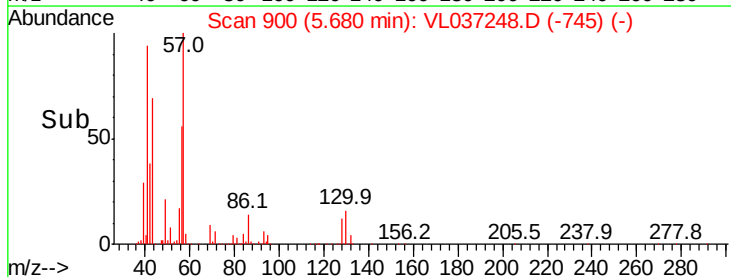
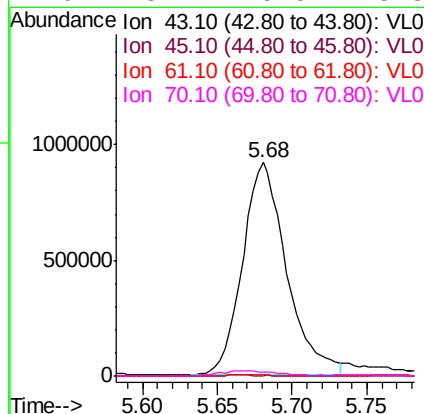
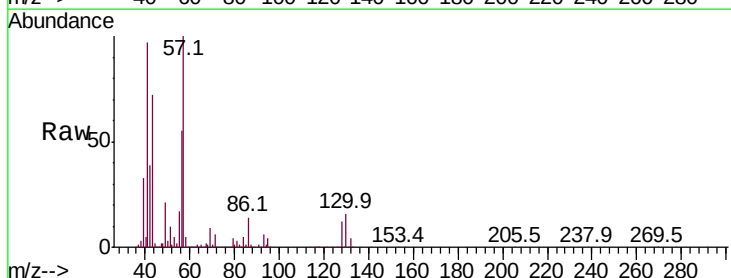
Instrument :
MSVOA_L
ClientSampleId :

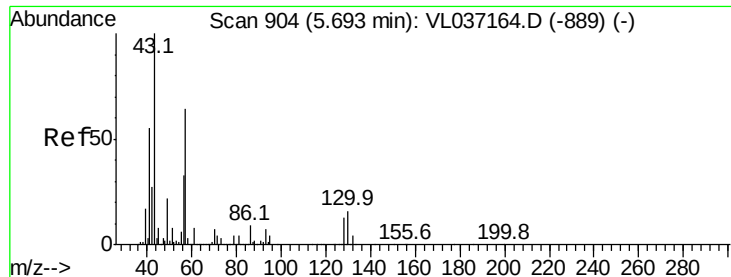
Tot Ion: 63 Resp: 41946
Ion Ratio Lower Upper
63 100
98 2.1 2.1 6.5#
100 0.0 1.4 4.0#



#25
Ethyl Acetate
Concen: 5.159 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL037248.D
Acq: 29 Jun 2021 14:22

Tgt Ion: 43 Resp: 1881764
Ion Ratio Lower Upper
43 100
45 0.5 8.0 12.0#
61 0.6 8.1 12.1#
70 3.2 5.5 8.3#





#26

Hexane

Concen: 14.405 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.01 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 57 Resp: 2655647

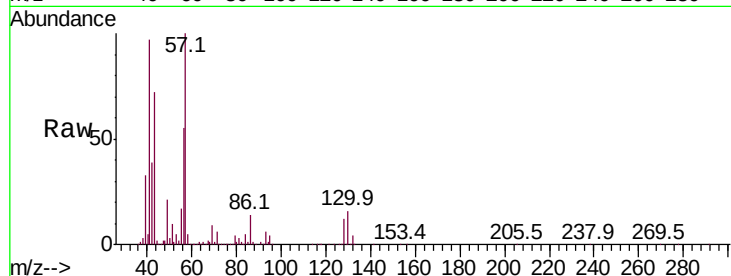
Ion	Ratio	Lower	Upper
57	100		
41	109.1	73.5	110.3
43	77.1	170.7	256.1#
56	67.9	42.4	63.6#

57 100

41 109.1 73.5 110.3

43 77.1 170.7 256.1#

56 67.9 42.4 63.6#



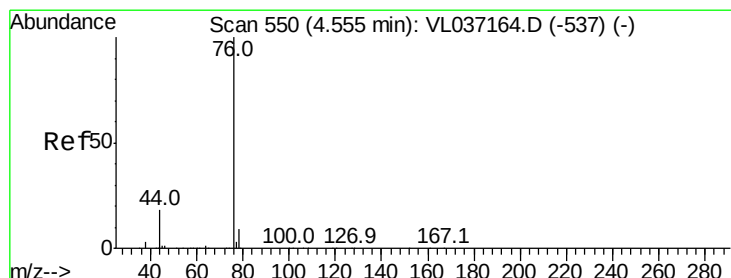
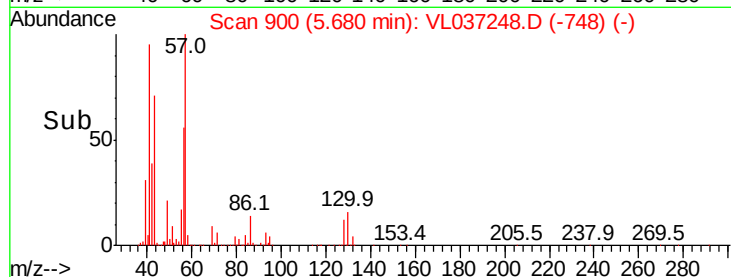
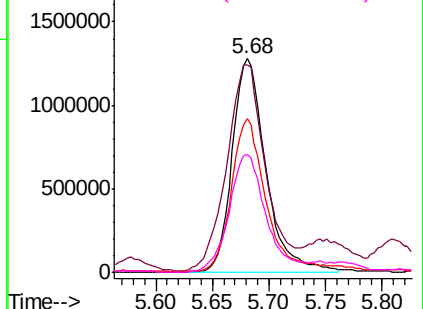
Abundance

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



#27

Carbon Disulfide

Concen: 0.830 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.01 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

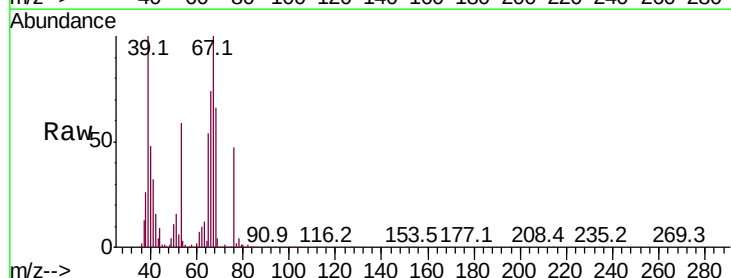
Tgt Ion: 76 Resp: 149981

Ion	Ratio	Lower	Upper
76	100		
44	23.4	15.4	23.2#
78	10.4	8.0	12.0

76 100

44 23.4 15.4 23.2#

78 10.4 8.0 12.0

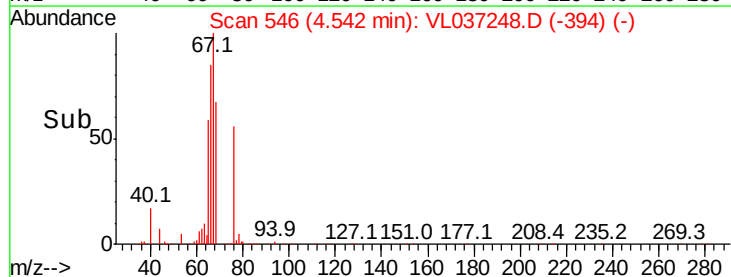
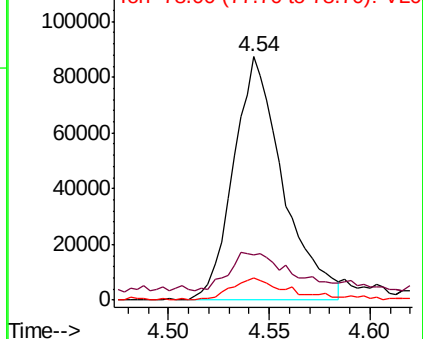


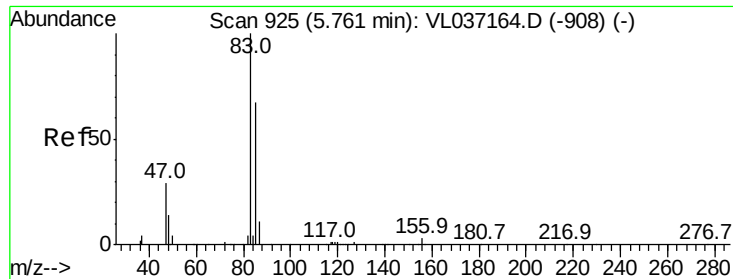
Abundance

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

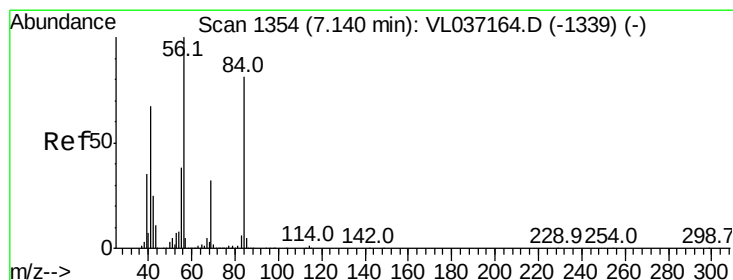
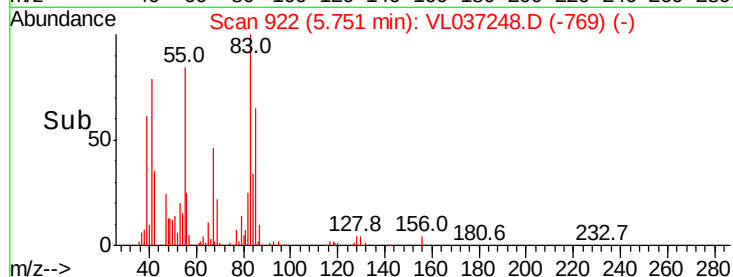
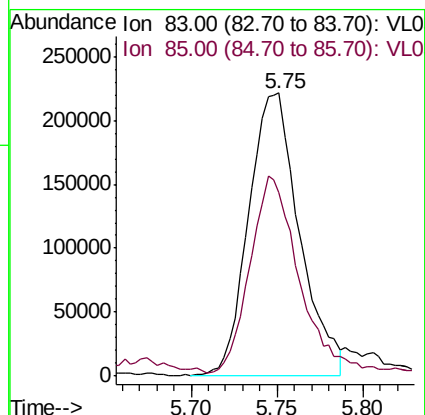
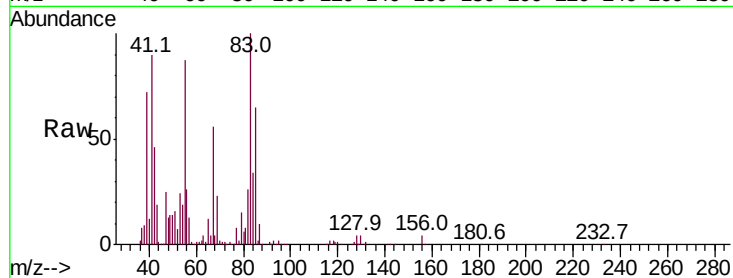




#29
Chloroform
Concen: 1.588 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.01 min
Lab File: VL037248.D
Acq: 29 Jun 2021 14:22

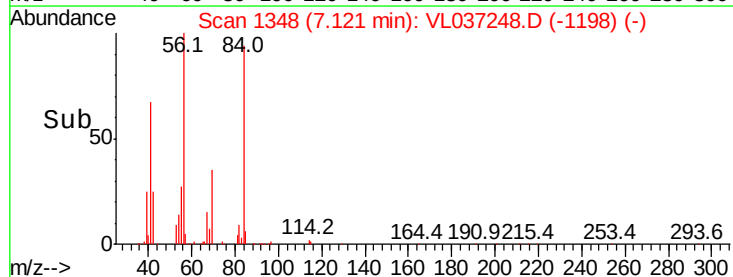
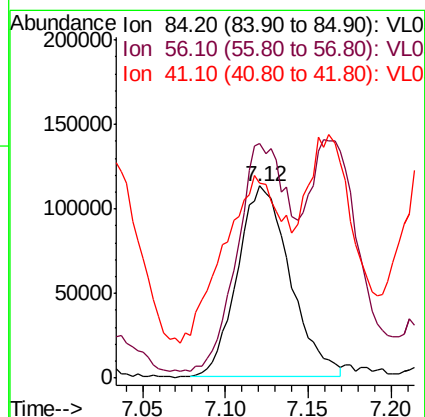
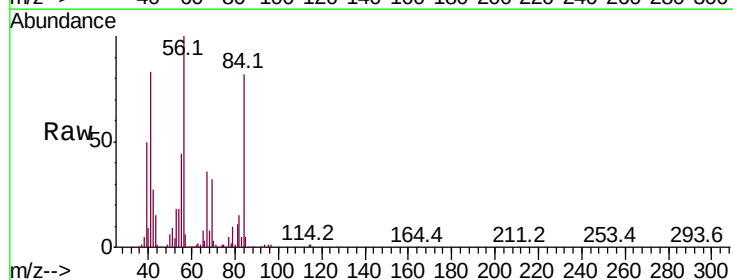
Instrument :
MSVOA_L
ClientSampleId :

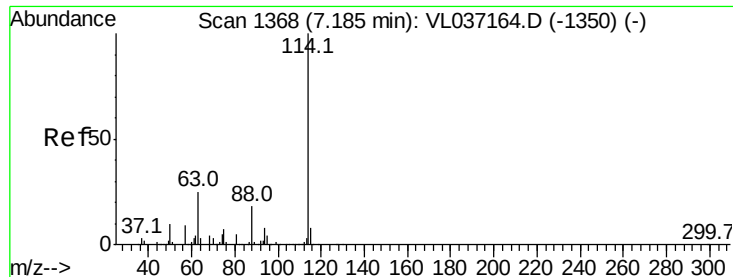
Tot Ion: 83 Resp: 452159
Ion Ratio Lower Upper
83 100
85 62.6 53.6 80.4



#30
Cyclohexane
Concen: 1.628 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.02 min
Lab File: VL037248.D
Acq: 29 Jun 2021 14:22

Tgt Ion: 84 Resp: 250123
Ion Ratio Lower Upper
84 100
56 123.8 107.7 161.5
41 98.1 69.0 103.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.02 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

Instrument :

MSVOA_L

ClientSampleId :

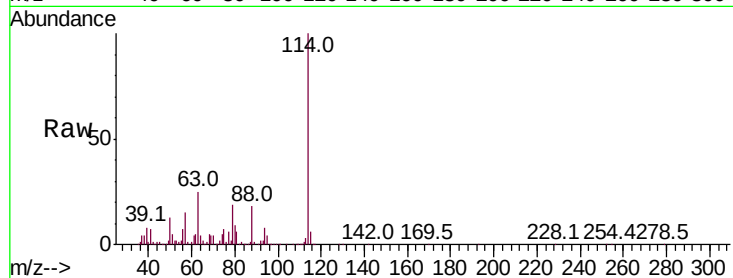
Tot Ion:114 Resp: 4381512

Ion Ratio Lower Upper

114 100

63 25.2 19.6 29.4

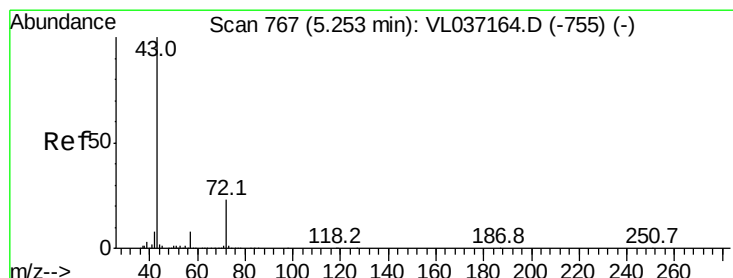
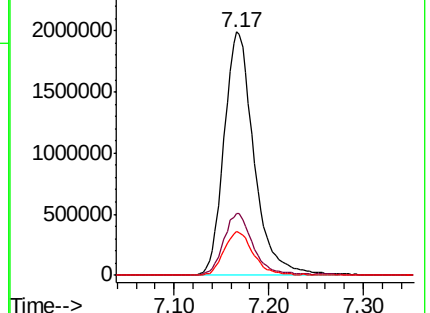
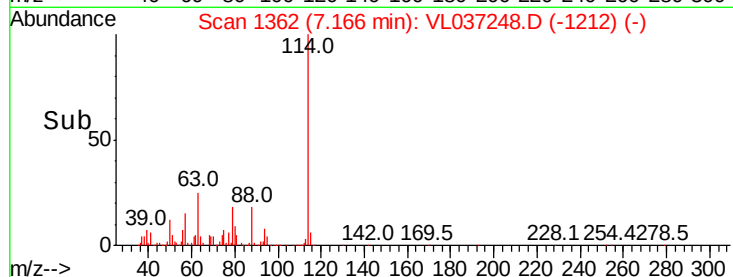
88 17.8 14.2 21.2



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: 7.749 ppbv

RT: 5.24 min Scan# 762

Delta R.T. -0.02 min

Lab File: VL037248.D

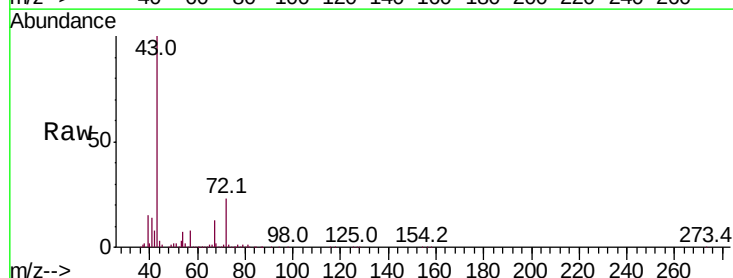
Acq: 29 Jun 2021 14:22

Tgt Ion: 43 Resp: 1320454

Ion Ratio Lower Upper

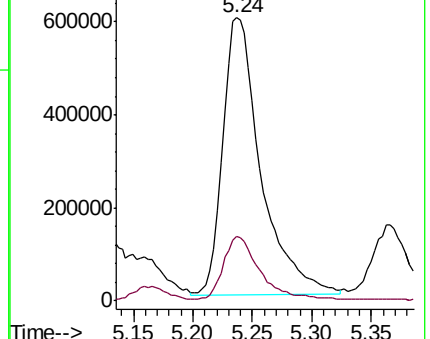
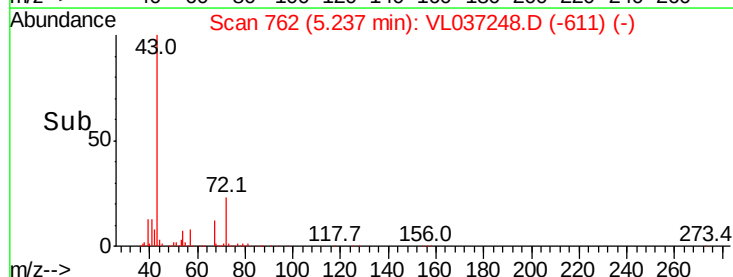
43 100

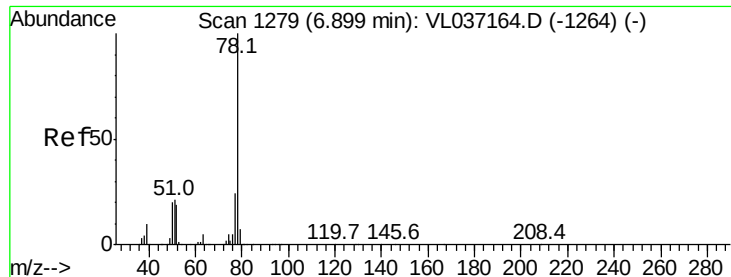
72 23.2 18.9 28.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 5.457 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.02 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

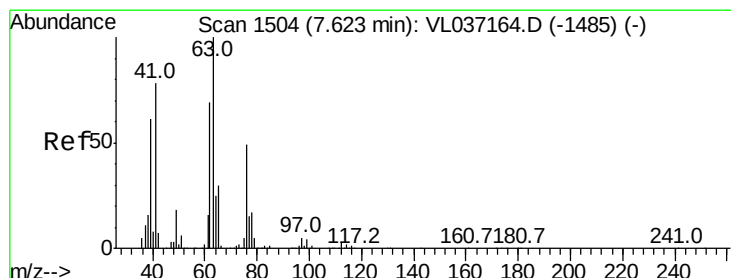
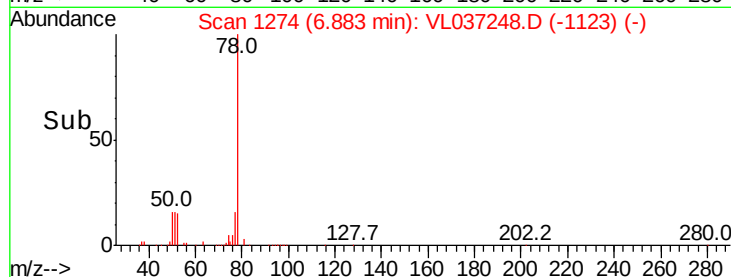
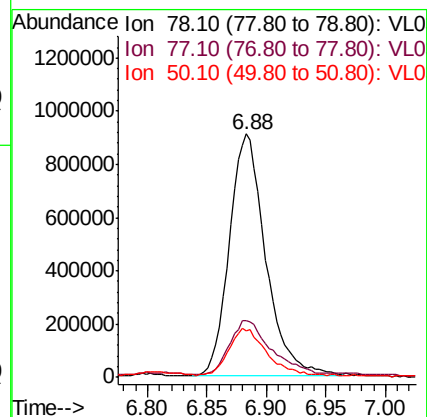
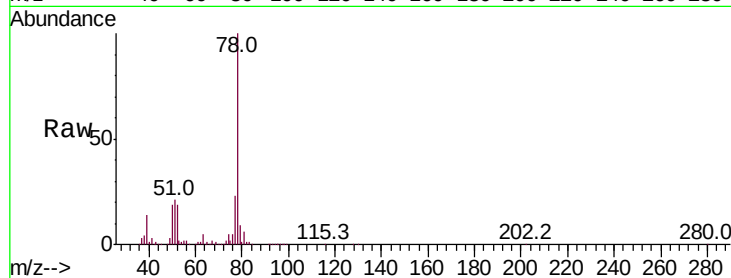
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 78 Resp: 1933367

Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.0	28.6
50	18.5	15.7	23.5



#39

1,2-Dichloropropane

Concen: 0.093 ppbv

RT: 7.22 min Scan# 1380

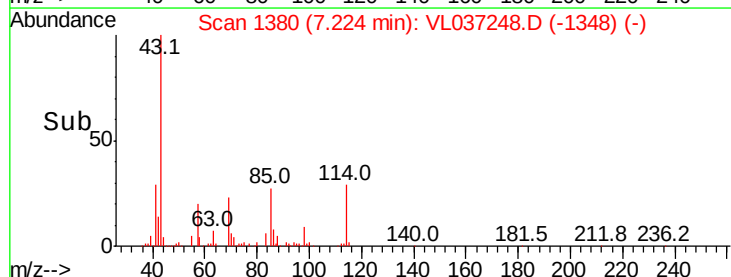
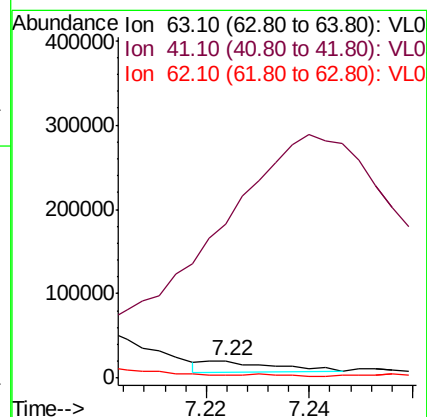
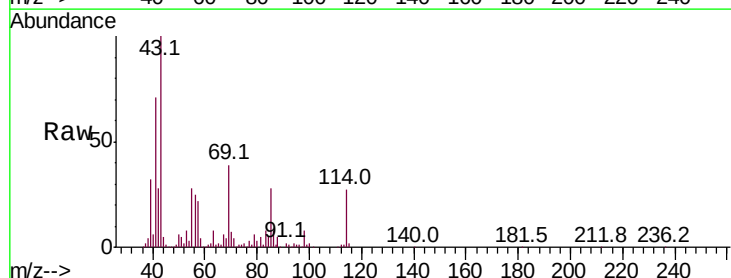
Delta R.T. -0.40 min

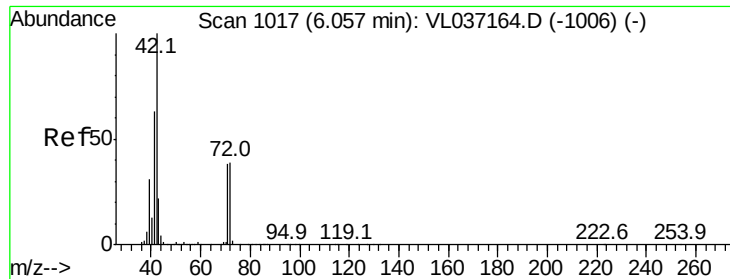
Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

Tgt Ion: 63 Resp: 12233

Ion	Ratio	Lower	Upper
63	100		
41	397.7	62.0	93.0#
62	5.4	54.9	82.3#

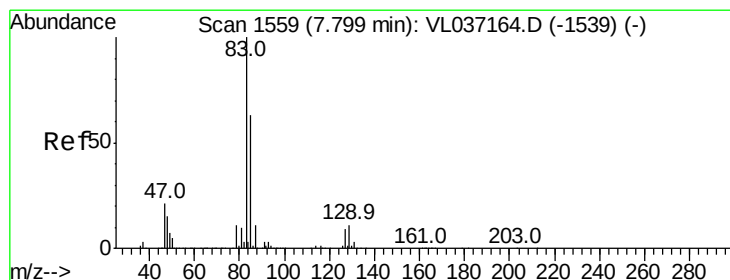
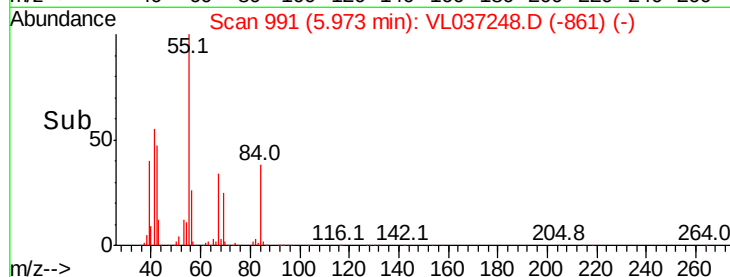
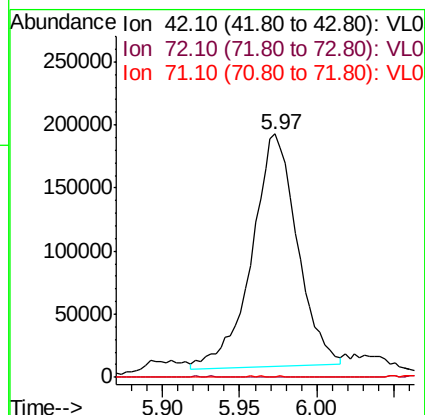
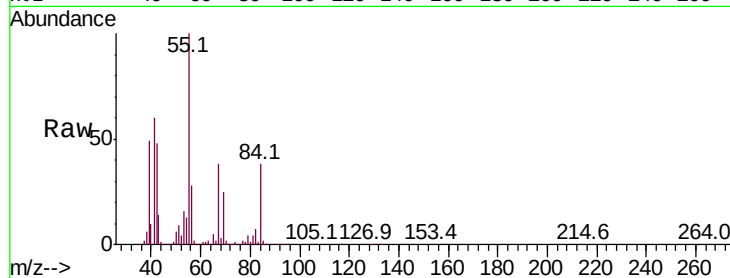




#41
Tetrahydrofuran
Concen: 4.769 ppbv
RT: 5.97 min Scan# 991
Delta R.T. -0.08 min
Lab File: VL037248.D
Acq: 29 Jun 2021 14:22

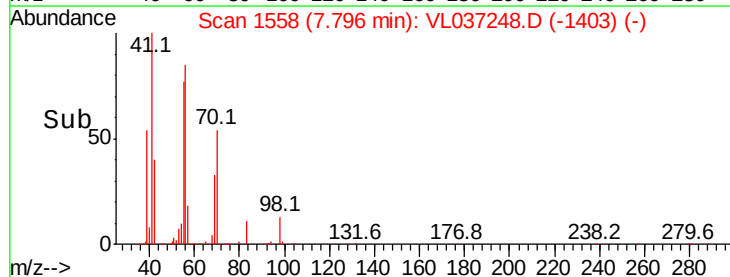
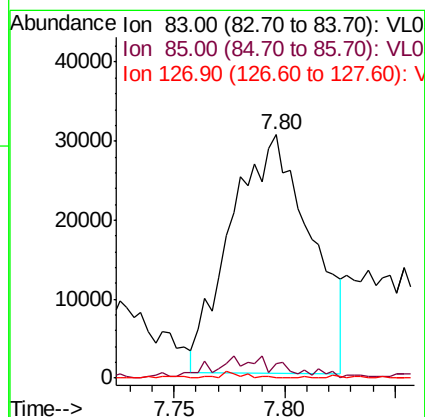
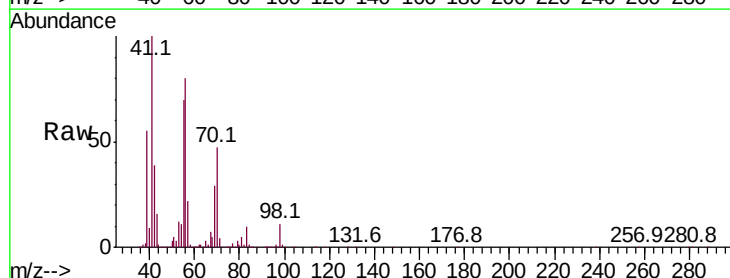
Instrument :
MSVOA_L
ClientSampled :

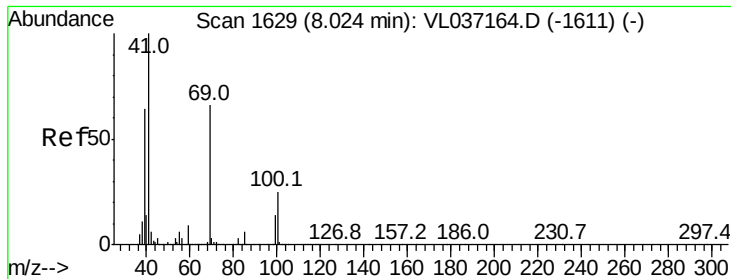
Tot Ion: 42 Resp: 377499
Ion Ratio Lower Upper
42 100
72 0.3 33.0 49.4#
71 0.0 31.0 46.6#



#42
Bromodichloromethane
Concen: 0.267 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VL037248.D
Acq: 29 Jun 2021 14:22

Tgt Ion: 83 Resp: 75848
Ion Ratio Lower Upper
83 100
85 6.7 50.8 76.2#
127 0.0 7.0 10.6#





#43

Methyl Methacrylate

Concen: 0.361 ppbv

RT: 7.98 min Scan# 1615

Delta R.T. -0.05 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

Instrument :

MSVOA_L

ClientSampleId :

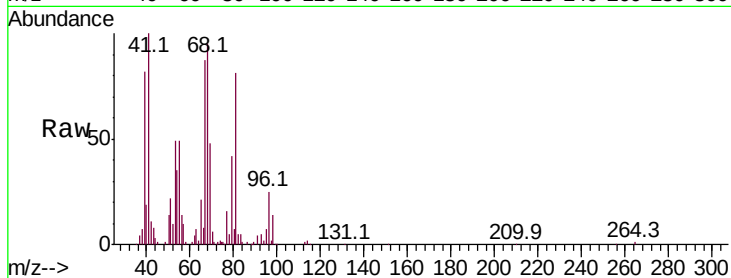
Tot Ion: 69 Resp: 44155

Ion Ratio Lower Upper

69 100

41 225.7 119.4 179.0#

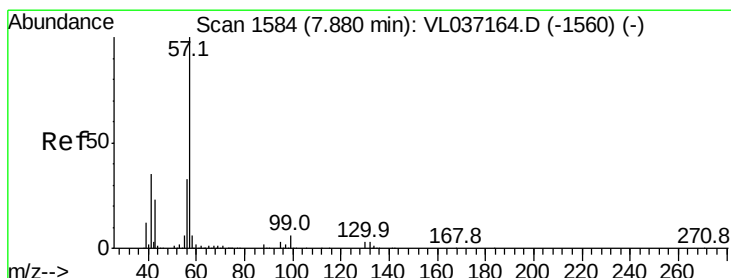
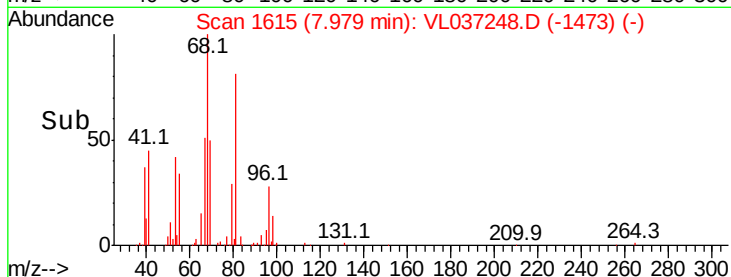
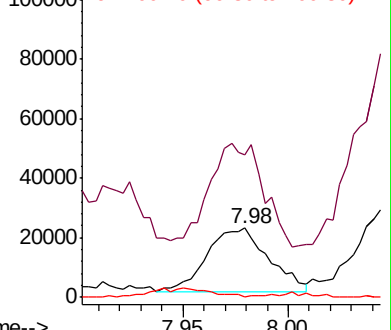
100 0.0 28.6 43.0#



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.049 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. -0.03 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

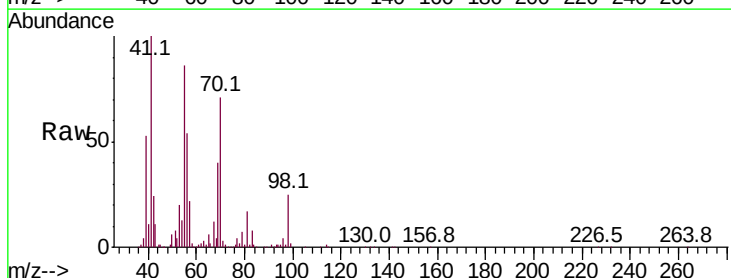
Tgt Ion: 57 Resp: 29044

Ion Ratio Lower Upper

57 100

41 0.0 27.6 41.4#

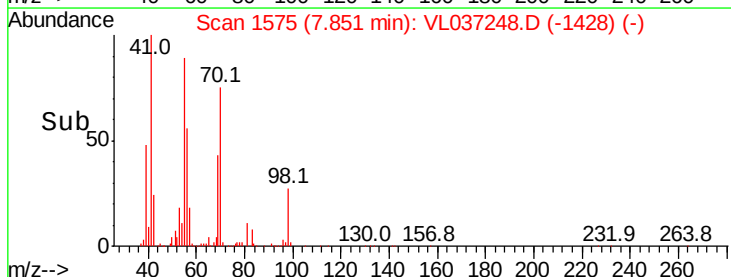
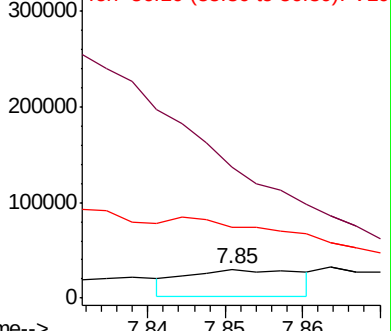
56 0.0 25.3 37.9#

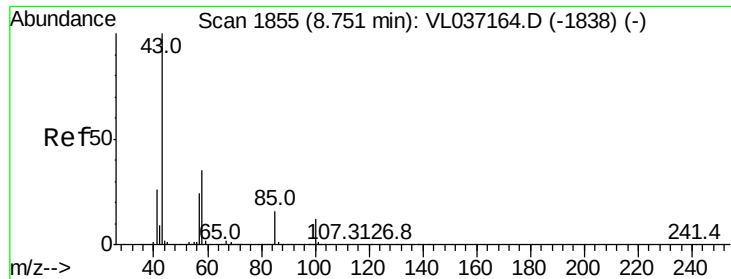


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

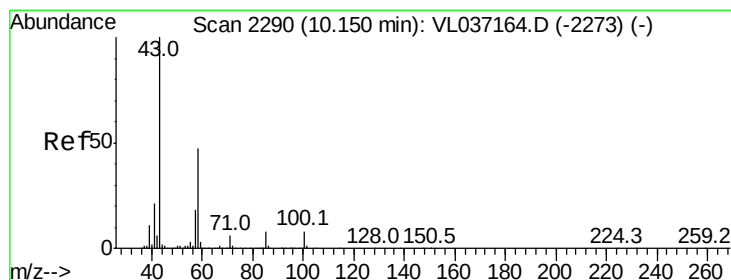
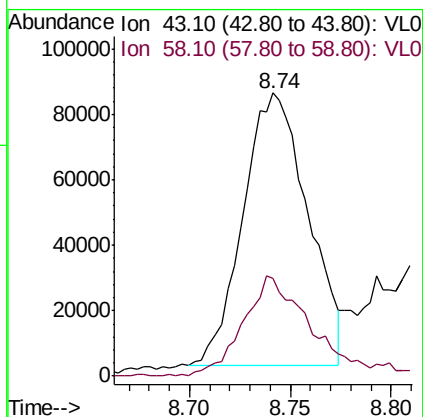
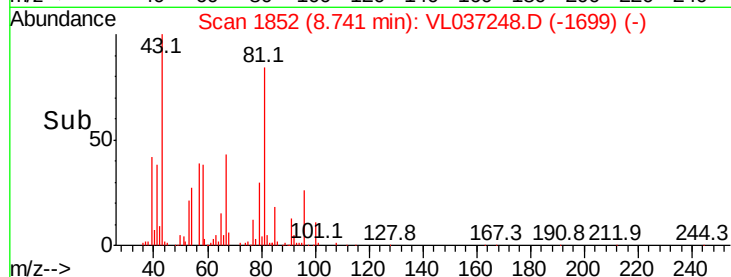
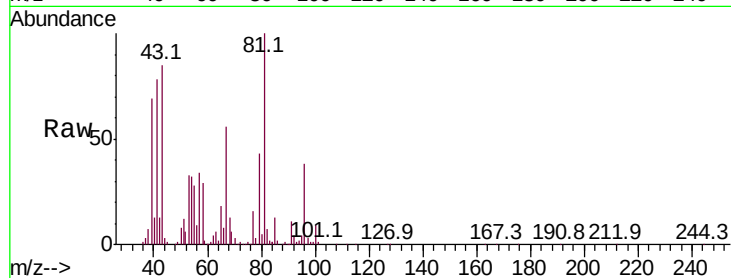




#50
 4-Methyl-2-Pentanone
 Concen: 0.799 ppbv
 RT: 8.74 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: VL037248.D
 Acq: 29 Jun 2021 14:22

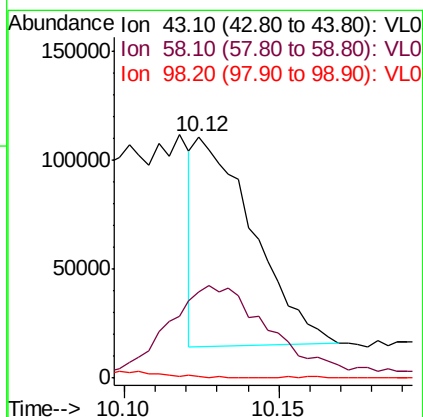
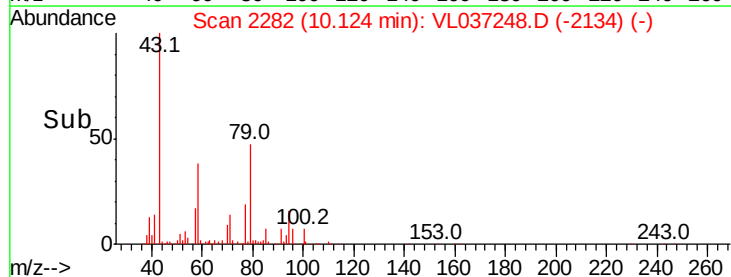
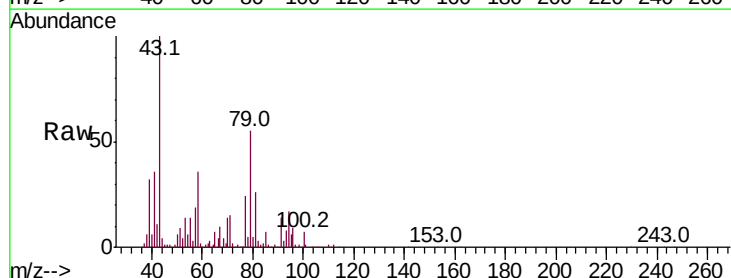
Instrument :
 MSVOA_L
 ClientSampleID :

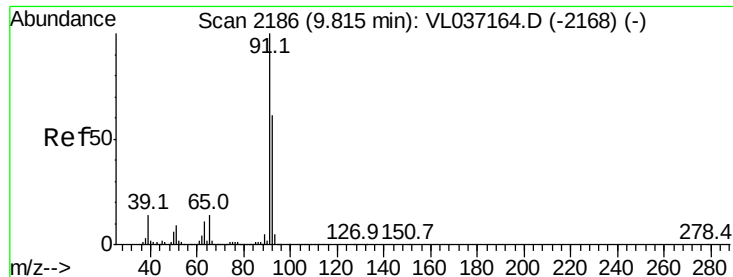
Tot Ion: 43 Resp: 187058
 Ion Ratio Lower Upper
 43 100
 58 41.8 28.4 42.6



#51
 2-Hexanone
 Concen: 1.096 ppbv
 RT: 10.12 min Scan# 2282
 Delta R.T. -0.03 min
 Lab File: VL037248.D
 Acq: 29 Jun 2021 14:22

Tgt Ion: 43 Resp: 124789
 Ion Ratio Lower Upper
 43 100
 58 84.9 38.4 57.6#
 98 0.0 0.3 0.5#





#53

Toluene

Concen: 3.969 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.02 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

Instrument :

MSVOA_L

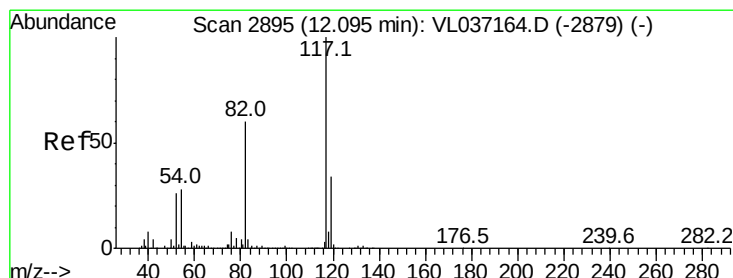
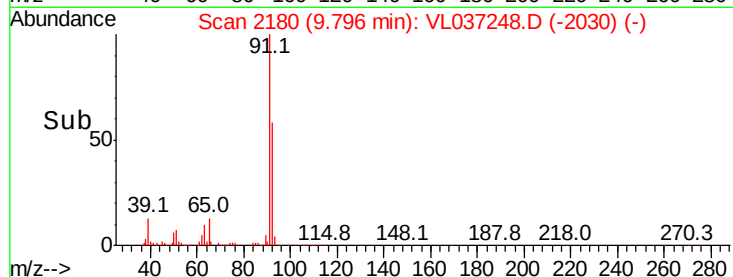
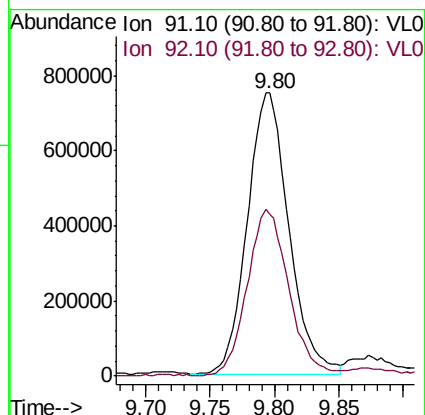
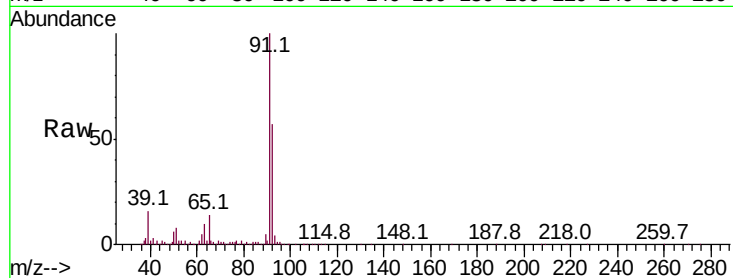
ClientSampleId :

Tot Ion: 91 Resp: 1679607

Ion Ratio Lower Upper

91 100

92 58.8 48.3 72.5



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. -0.02 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

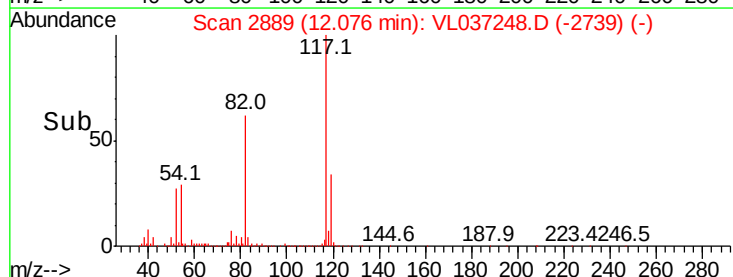
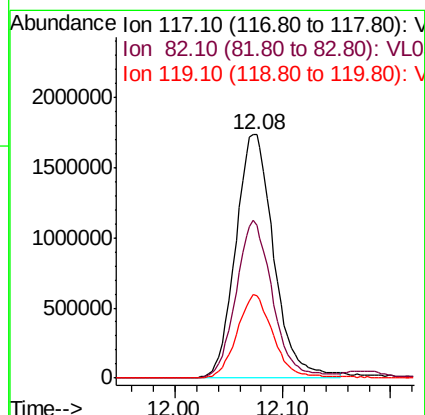
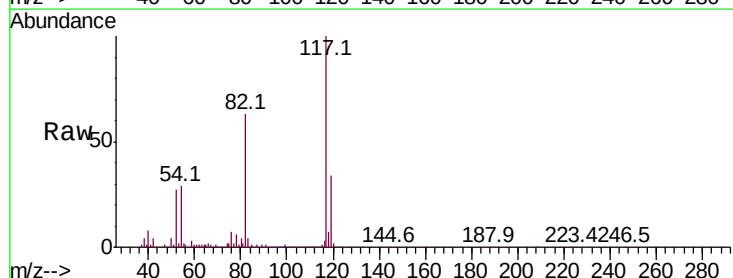
Tgt Ion: 117 Resp: 4262571

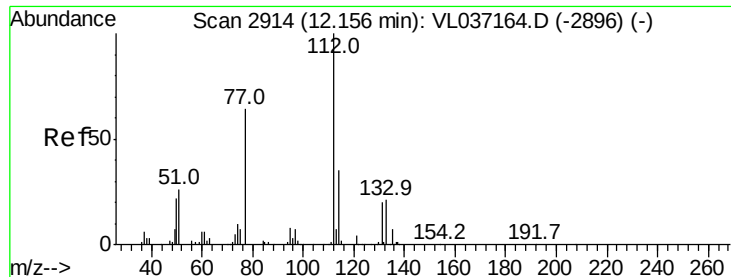
Ion Ratio Lower Upper

117 100

82 62.1 51.7 77.5

119 33.2 47.6 71.4#

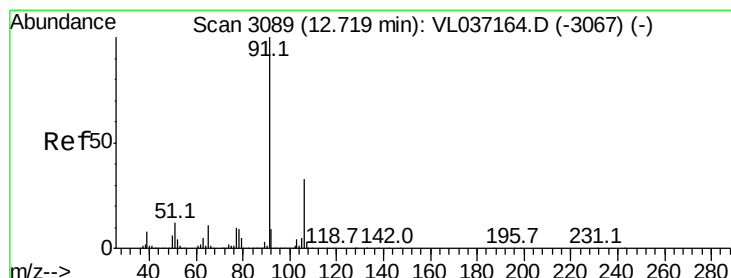
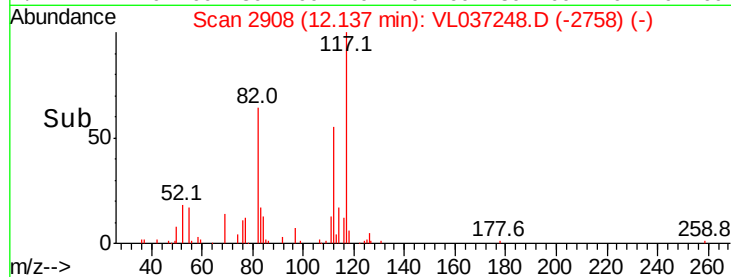
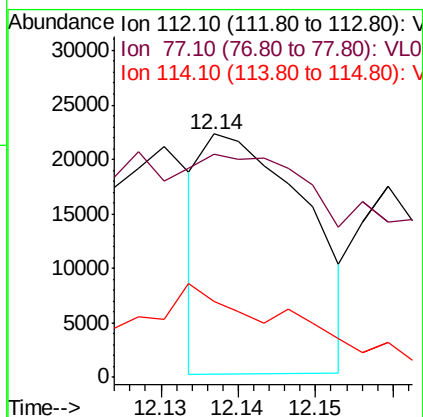
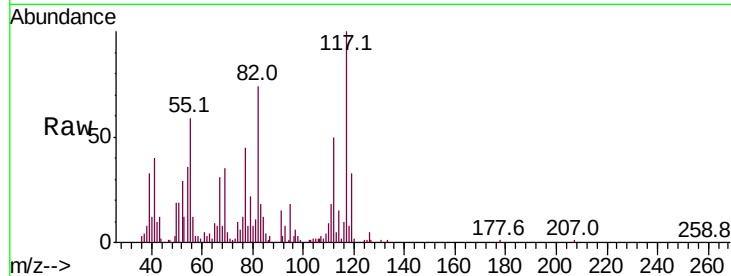




#57
Chlorobenzene
Concen: 0.059 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.02 min
Lab File: VL037248.D
Acq: 29 Jun 2021 14:22

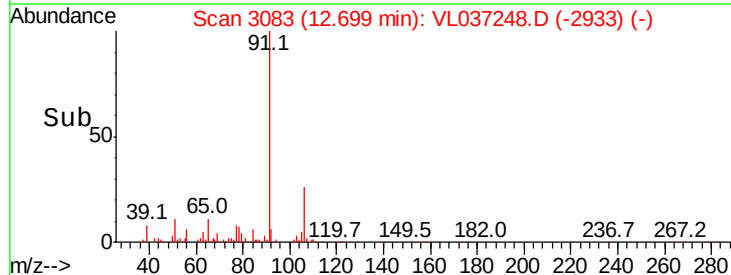
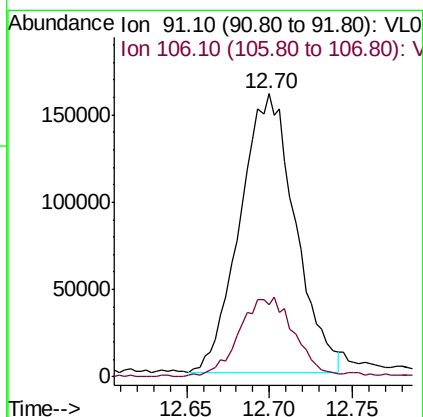
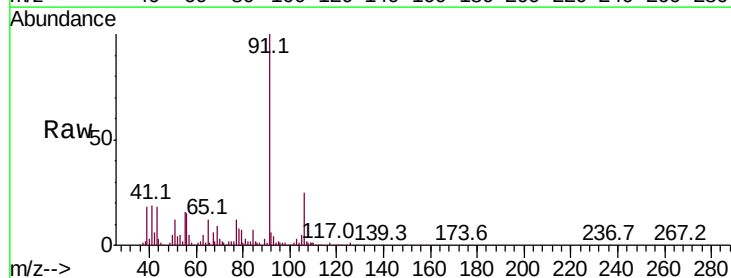
Instrument :
MSVOA_L
ClientSampleId :

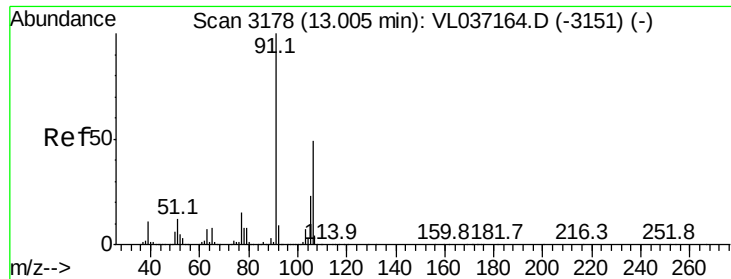
Tot Ion:112 Resp: 20282
Ion Ratio Lower Upper
112 100
77 55.6 52.2 78.4
114 28.0 31.1 38.1#



#58
Ethyl Benzene
Concen: 0.633 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. -0.02 min
Lab File: VL037248.D
Acq: 29 Jun 2021 14:22

Tgt Ion: 91 Resp: 371315
Ion Ratio Lower Upper
91 100
106 25.3 26.3 39.5#

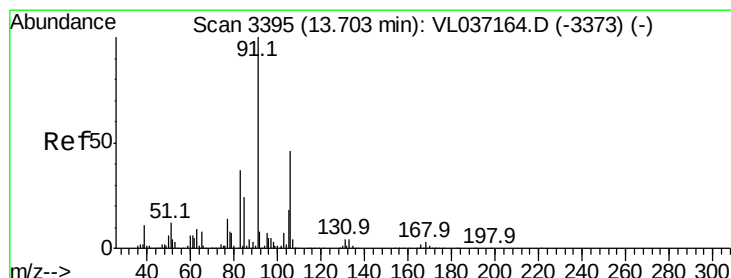
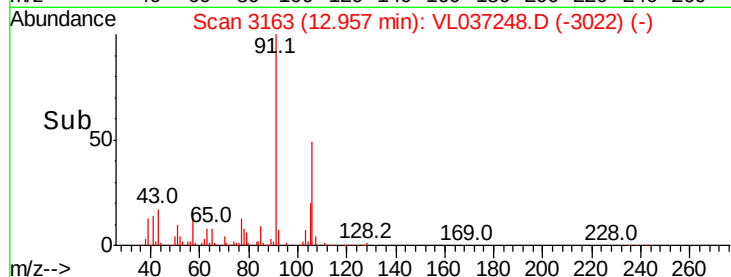
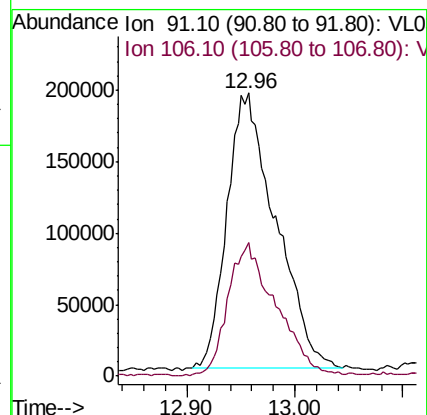
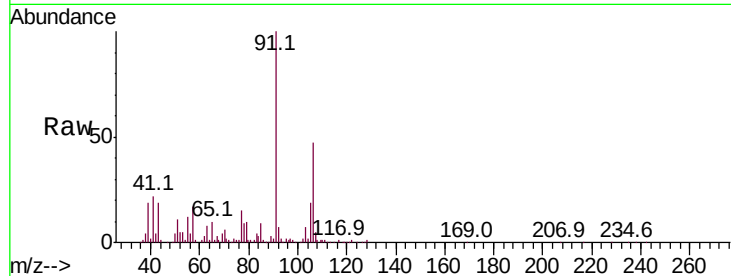




#59
m/p-Xylene
Concen: 1.207 ppbv
RT: 12.96 min Scan# 3163
Delta R.T. -0.05 min
Lab File: VL037248.D
Acq: 29 Jun 2021 14:22

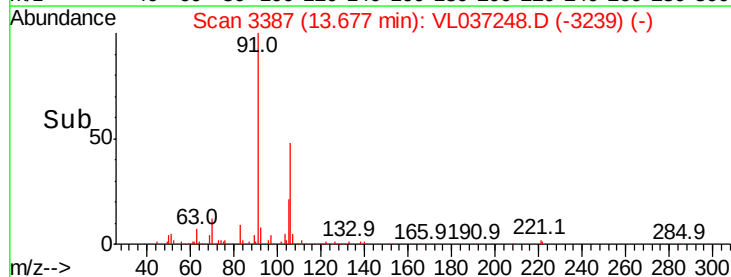
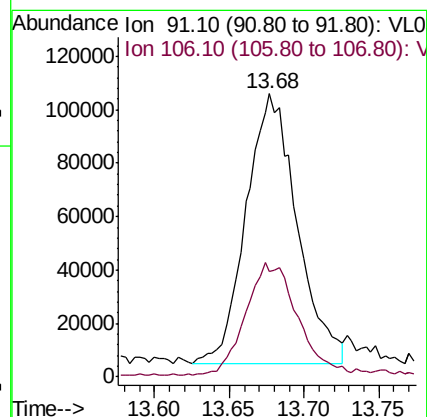
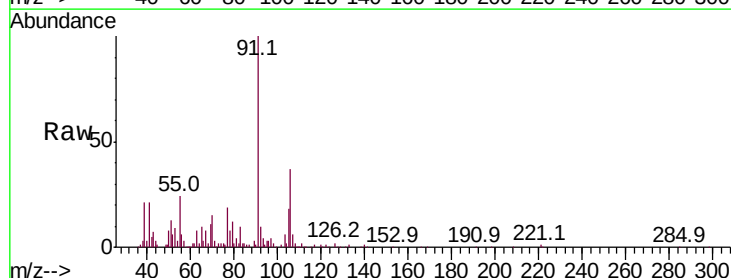
Instrument :
MSVOA_L
ClientSampled :

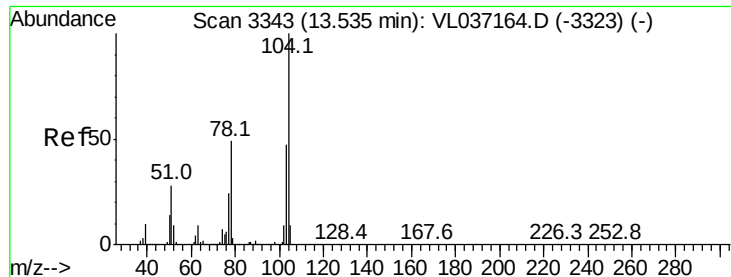
Tot Ion: 91 Resp: 600074
Ion Ratio Lower Upper
91 100
106 47.3 37.0 55.4



#60
o-Xylene
Concen: 0.507 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.03 min
Lab File: VL037248.D
Acq: 29 Jun 2021 14:22

Tgt Ion: 91 Resp: 239873
Ion Ratio Lower Upper
91 100
106 43.7 23.0 69.0





#61

Stvrene

Concen: 0.372 ppbv

RT: 13.52 min Scan# 3337

Delta R.T. -0.02 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

Instrument :

MSVOA_L

ClientSampleId :

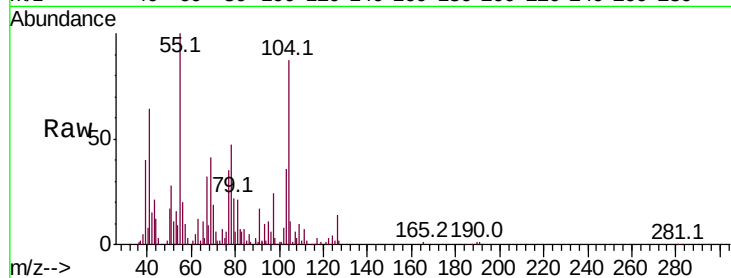
Tot Ion:104 Resp: 90938

Ion Ratio Lower Upper

104 100

78 57.4 39.7 59.5

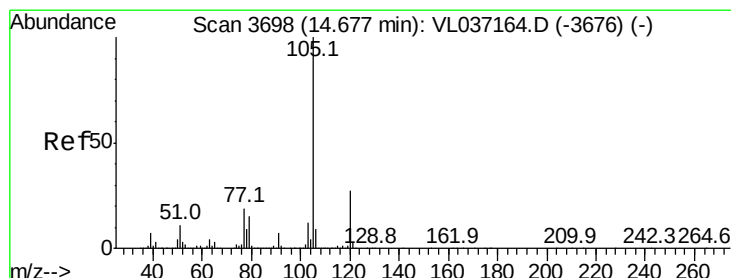
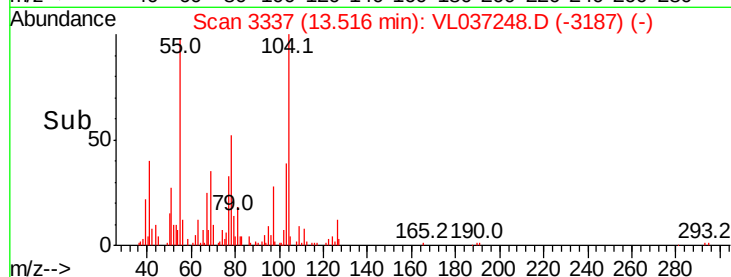
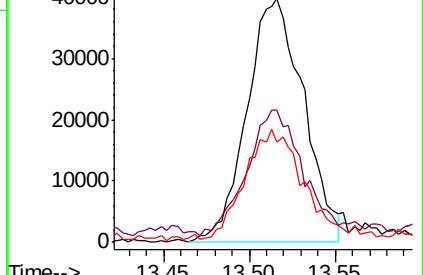
103 51.7 37.6 56.4



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: 0.166 ppbv

RT: 14.65 min Scan# 3691

Delta R.T. -0.02 min

Lab File: VL037248.D

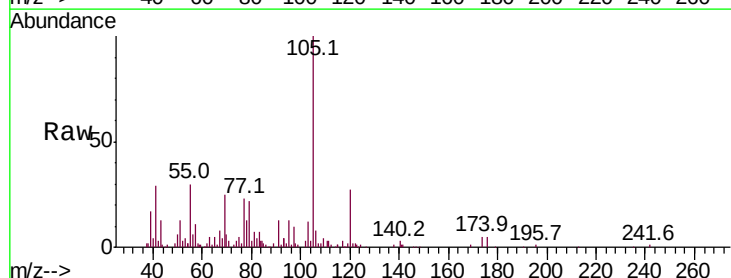
Acq: 29 Jun 2021 14:22

Tgt Ion:105 Resp: 111903

Ion Ratio Lower Upper

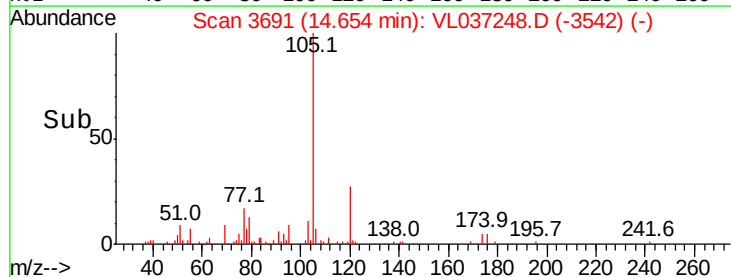
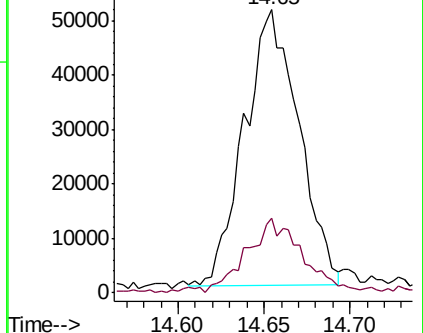
105 100

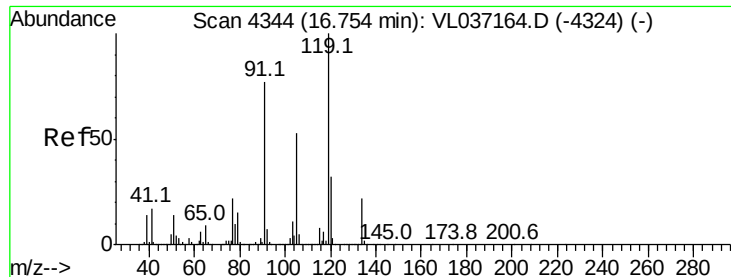
120 29.6 21.6 32.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#65

tert-Butylbenzene

Concen: 0.101 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.02 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

Instrument :

MSVOA_L

ClientSampleId :

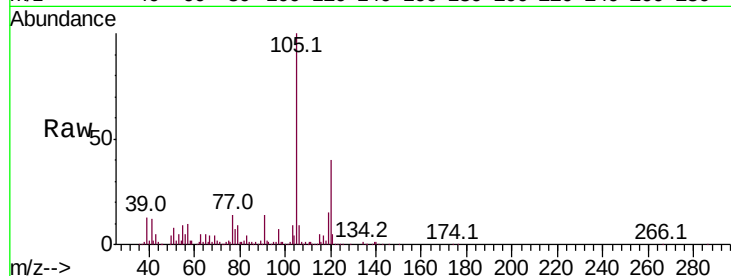
Tot Ion:119 Resp: 60500

Ion Ratio Lower Upper

119 100

91 0.0 62.6 93.8#

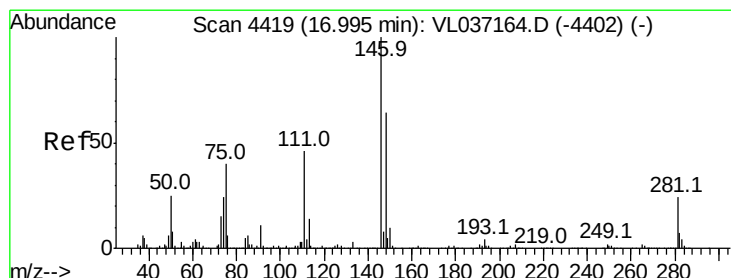
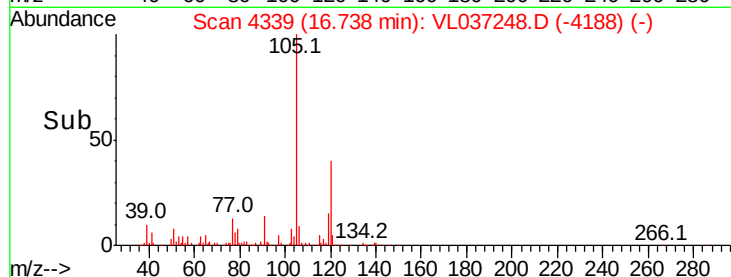
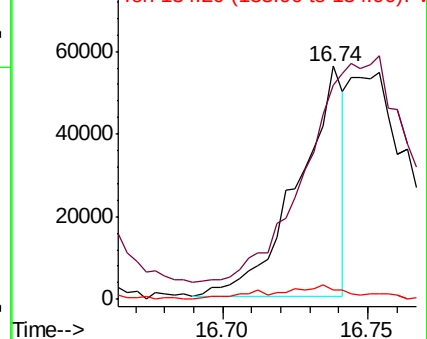
134 12.1 16.2 24.4#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.050 ppbv

RT: 16.95 min Scan# 4404

Delta R.T. -0.05 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

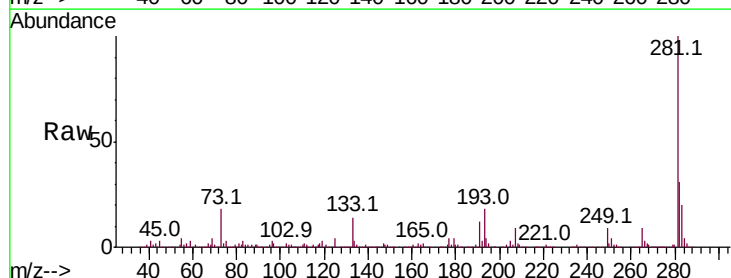
Tgt Ion: 91 Resp: 1261

Ion Ratio Lower Upper

91 100

126 2223.5 15.5 23.3#

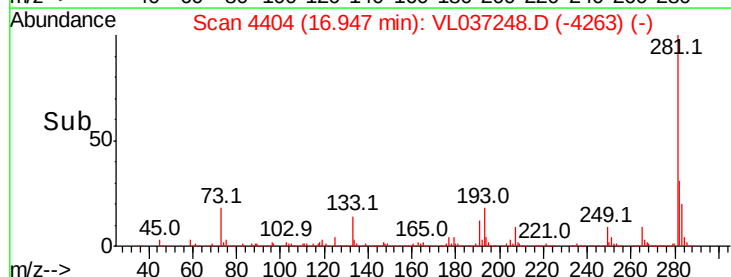
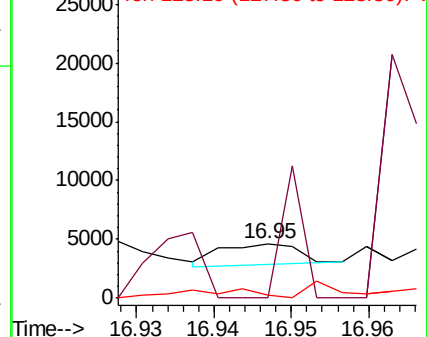
128 42.4 5.7 8.5#

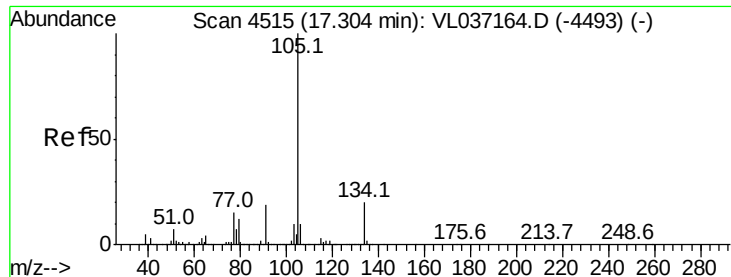


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.754 ppbv

RT: 17.28 min Scan# 4508

Delta R.T. -0.02 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

Instrument :

MSVOA_L

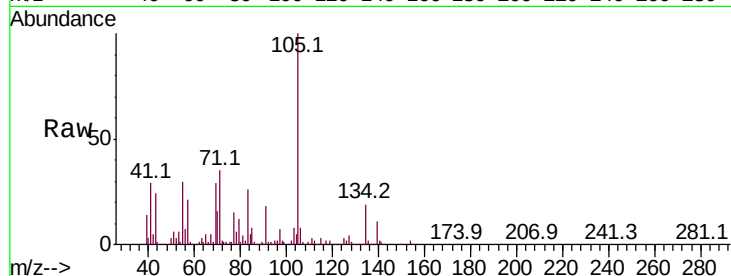
ClientSampled :

Tot Ion:105 Resp: 600676

Ion Ratio Lower Upper

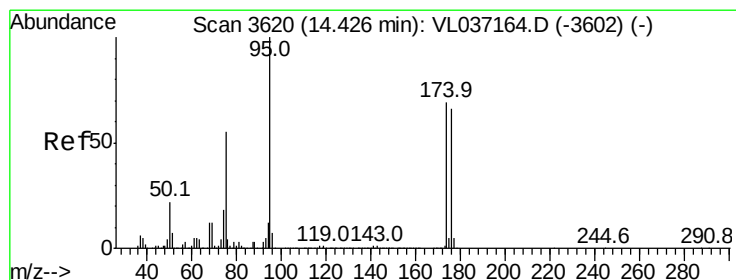
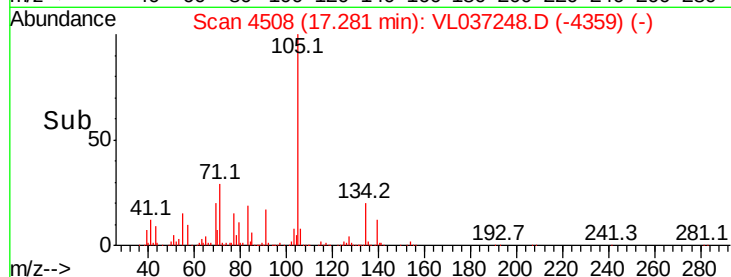
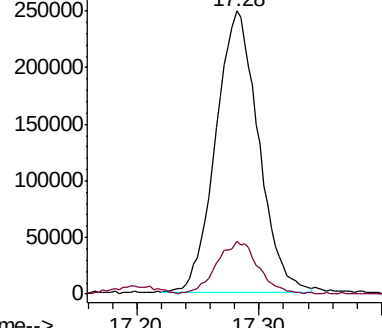
105 100

134 17.5 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: 10.461 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.03 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

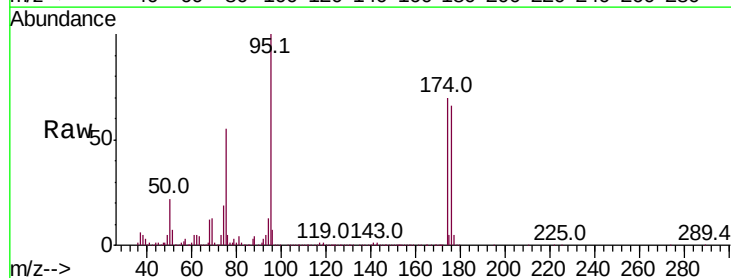
Tgt Ion: 95 Resp: 3378748

Ion Ratio Lower Upper

95 100

174 72.6 57.0 85.4

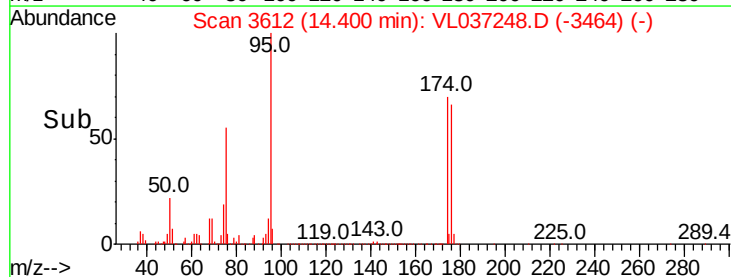
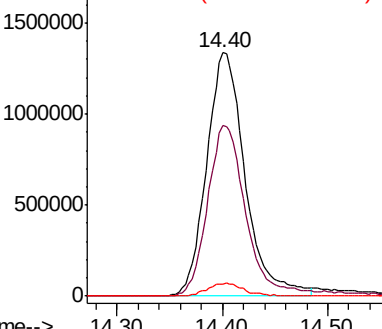
175 5.4 4.4 6.6

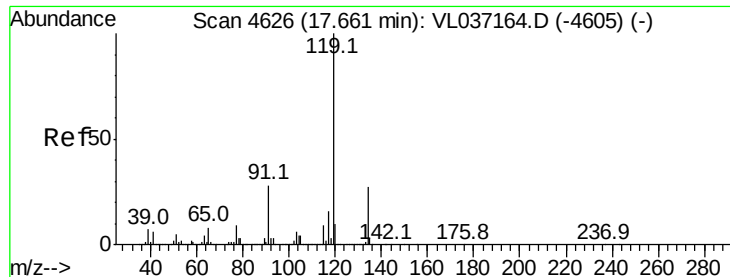


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 0.455 ppbv

RT: 17.53 min Scan# 4584

Delta R.T. -0.14 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

Instrument :

MSVOA_L

ClientSampleId :

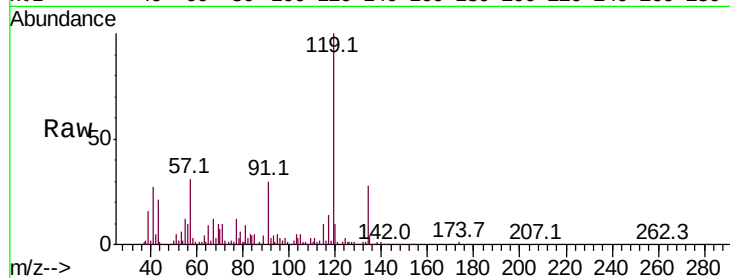
Tot Ion:119 Resp: 305807

Ion Ratio Lower Upper

119 100

134 27.6 20.9 31.3

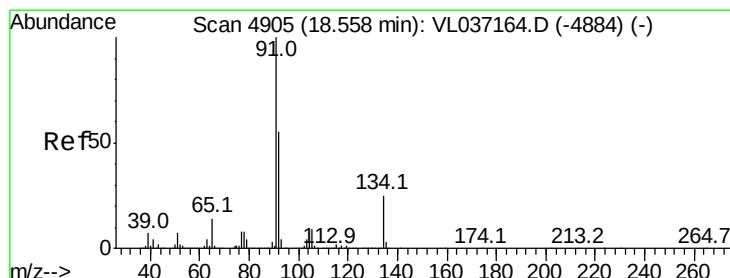
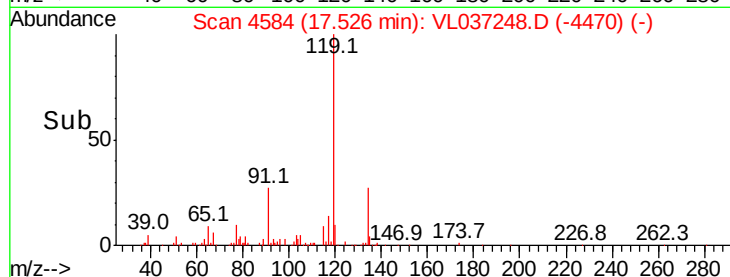
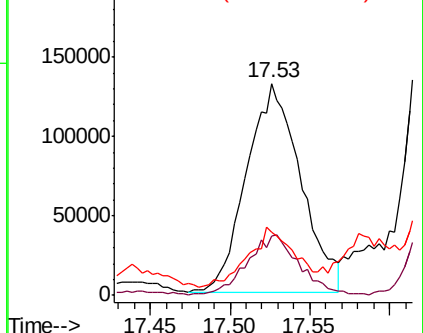
91 29.5 22.6 34.0



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: 0.890 ppbv

RT: 18.55 min Scan# 4903

Delta R.T. -0.01 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

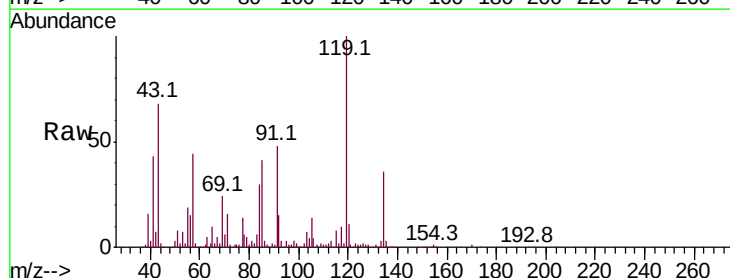
Tgt Ion: 91 Resp: 554110

Ion Ratio Lower Upper

91 100

92 32.6 44.0 66.0#

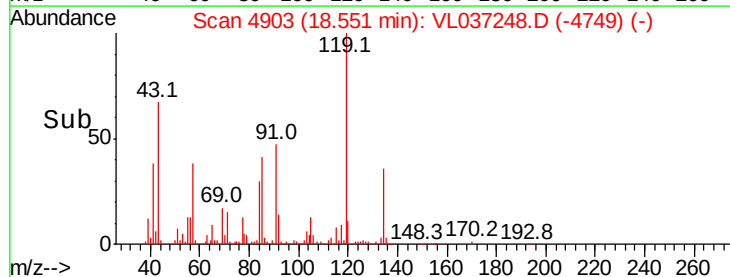
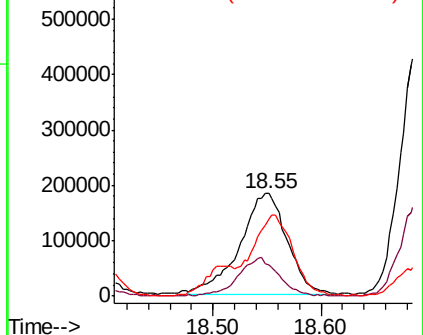
134 87.3 20.2 30.4#

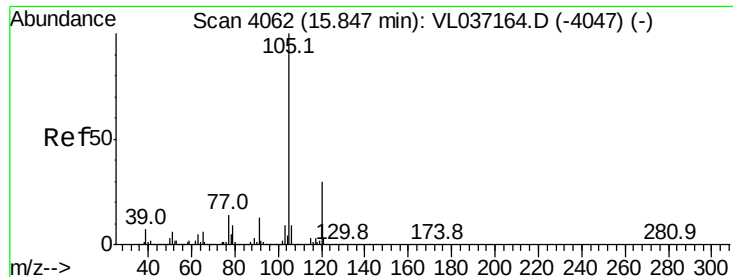


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#72

4-Ethyltoluene

Concen: 0.392 ppbv

RT: 15.83 min Scan# 4056

Delta R.T. -0.02 min

Lab File: VL037248.D

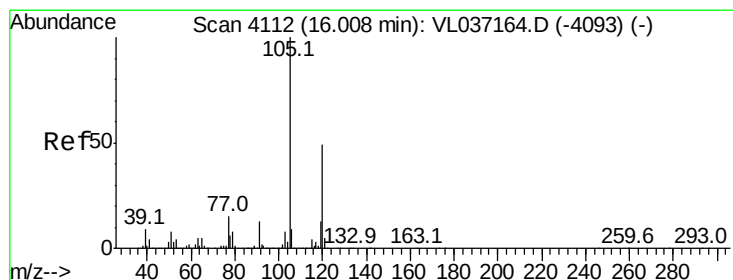
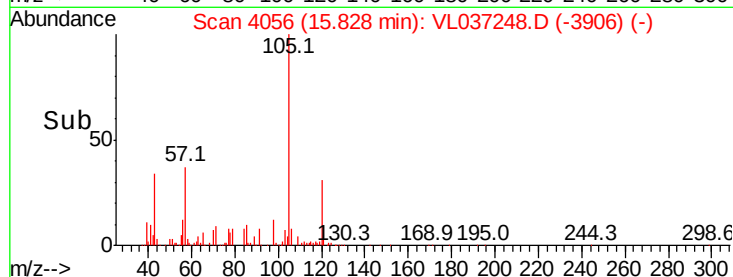
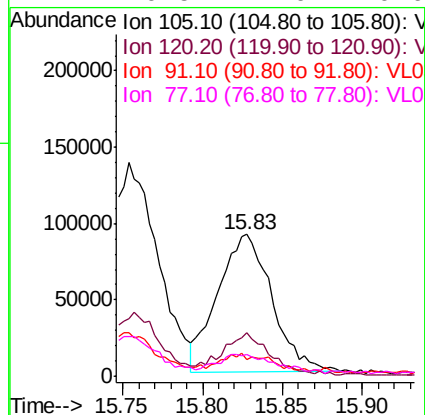
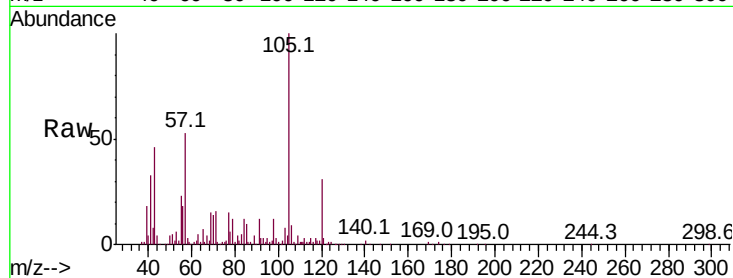
Acq: 29 Jun 2021 14:22

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	210822
Ion	Ratio	Lower	Upper
105	100		
120	28.4	24.7	37.1
91	17.1	10.2	15.4
77	16.5	11.0	16.6



#73

1,3,5-Trimethylbenzene

Concen: 0.889 ppbv

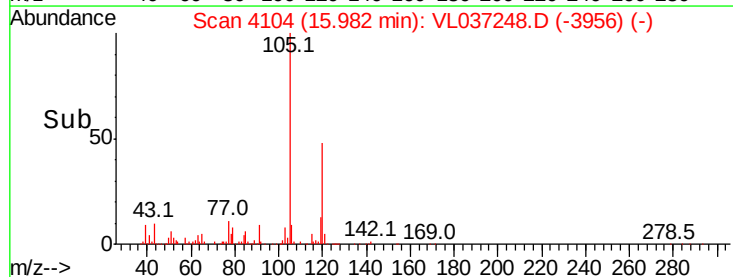
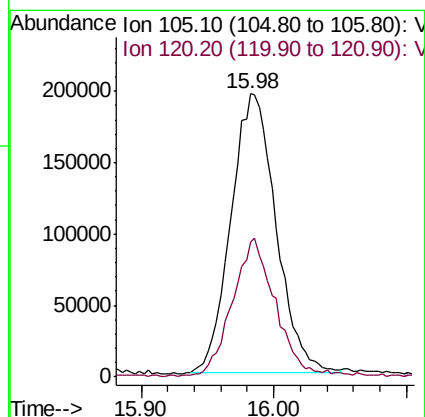
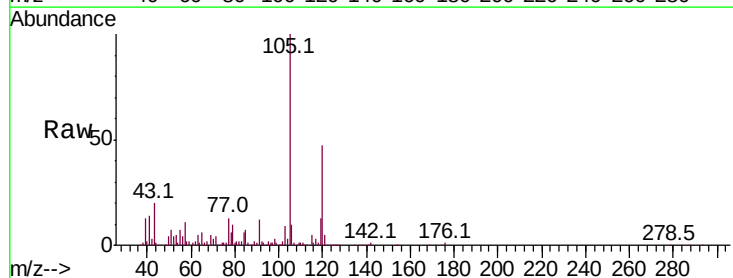
RT: 15.98 min Scan# 4104

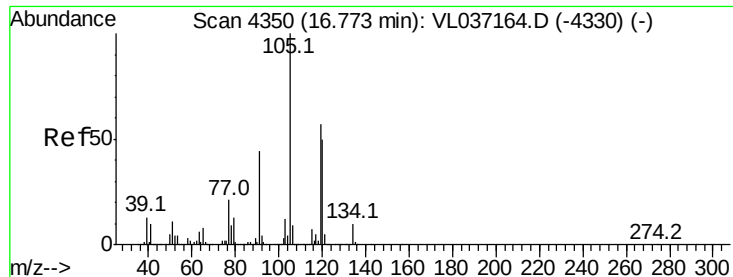
Delta R.T. -0.03 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

Tgt Ion:	105	Resp:	462184
Ion	Ratio	Lower	Upper
105	100		
120	47.3	39.4	59.2





#74

1,2,4-Trimethylbenzene

Concen: 2.027 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.02 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 1086187

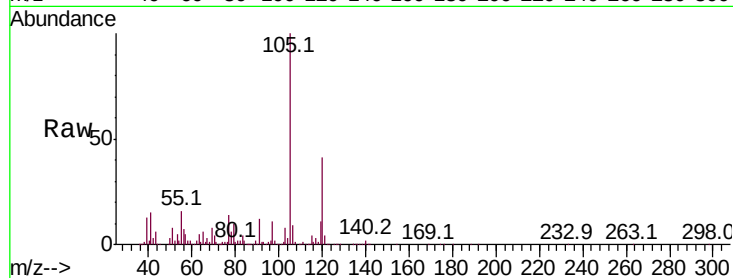
Ion Ratio Lower Upper

105 100

120 40.6 39.8 59.8

91 11.4 37.0 55.4#

77 13.1 17.0 25.4#

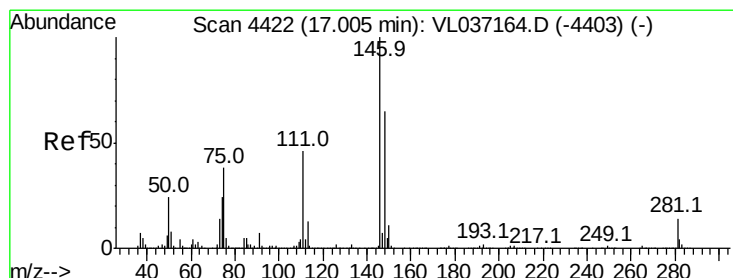
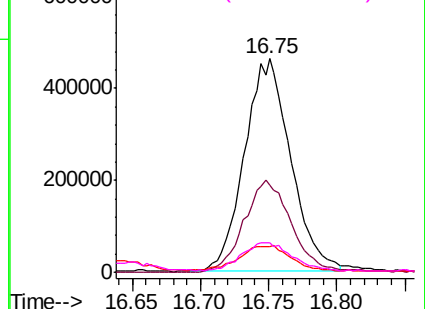
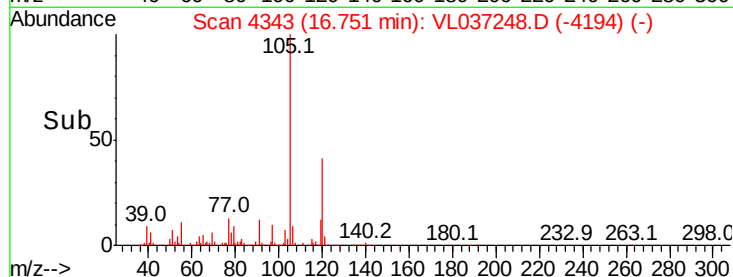


Abundance Ion 105.10 (104.80 to 105.80): V

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



#75

1,3-Dichlorobenzene

Concen: 0.147 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. -0.03 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

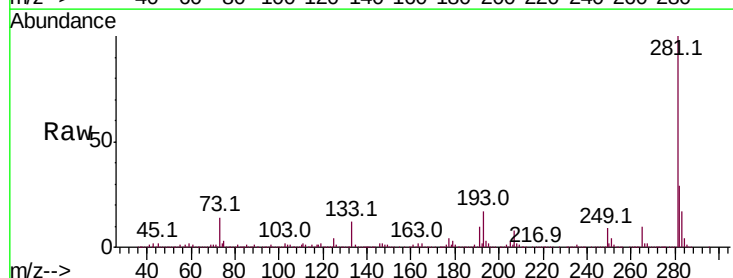
Tgt Ion:146 Resp: 47755

Ion Ratio Lower Upper

146 100

111 223.3 22.2 66.6#

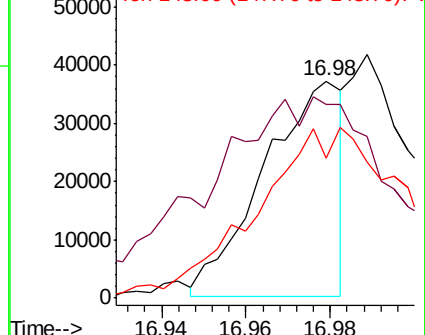
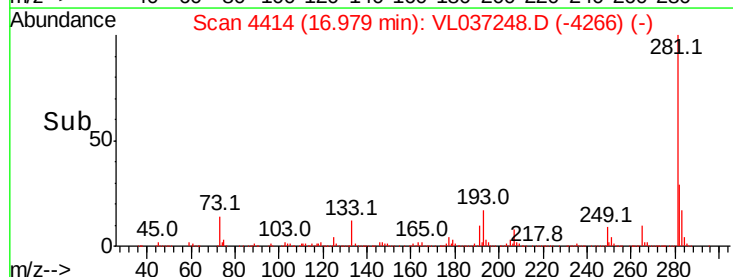
148 162.8 32.4 97.2#

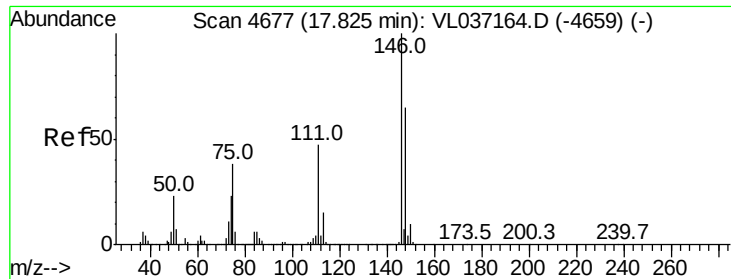


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

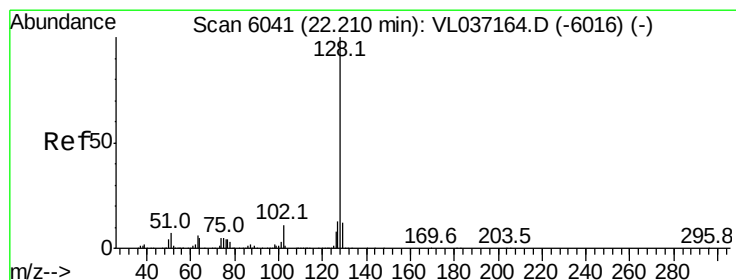
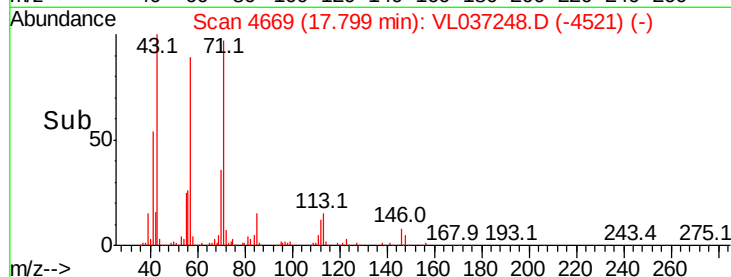
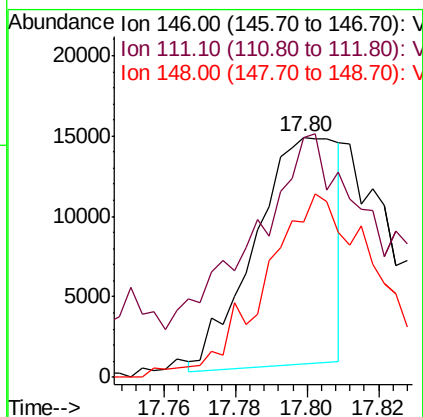
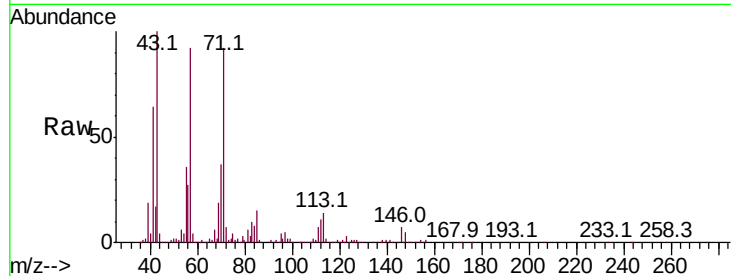




#77
 1,2-Dichlorobenzene
 Concen: 0.072 ppbv
 RT: 17.80 min Scan# 4669
 Delta R.T. -0.03 min
 Lab File: VL037248.D
 Acq: 29 Jun 2021 14:22

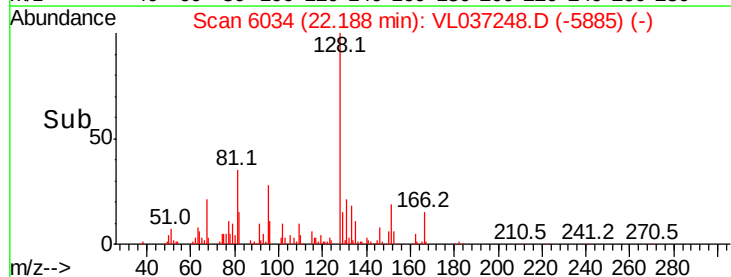
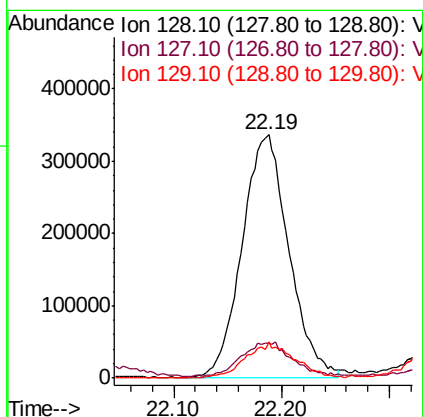
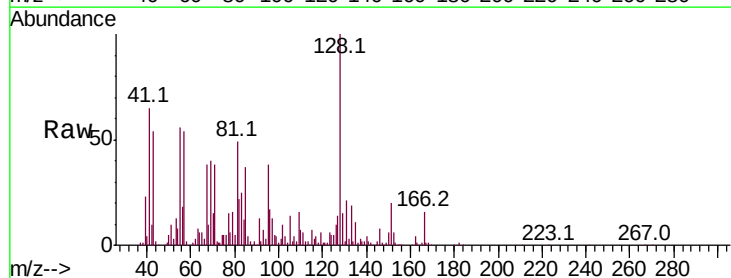
Instrument :
 MSVOA_L
 ClientSampleId :

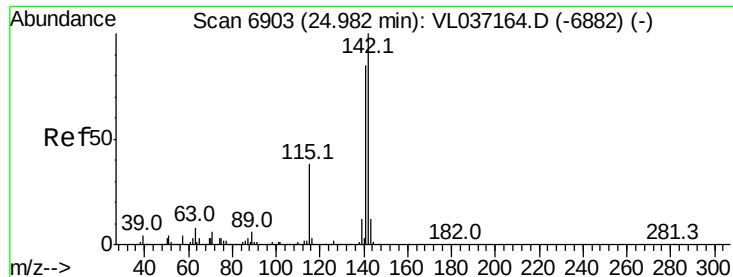
Tot Ion:146 Resp: 22711
 Ion Ratio Lower Upper
 146 100
 111 135.7 23.3 69.8#
 148 122.6 32.4 97.0#



#79
 Naphthalene
 Concen: 2.266 ppbv
 RT: 22.19 min Scan# 6034
 Delta R.T. -0.02 min
 Lab File: VL037248.D
 Acq: 29 Jun 2021 14:22

Tgt Ion:128 Resp: 1012110
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.7 16.1
 129 15.0 9.3 13.9#





#80

Naphthalene, 2-methyl-

Concen: 0.146 ppbv

RT: 25.29 min Scan# 6999

Delta R.T. 0.31 min

Lab File: VL037248.D

Acq: 29 Jun 2021 14:22

Instrument :

MSVOA_L

ClientSampleId :

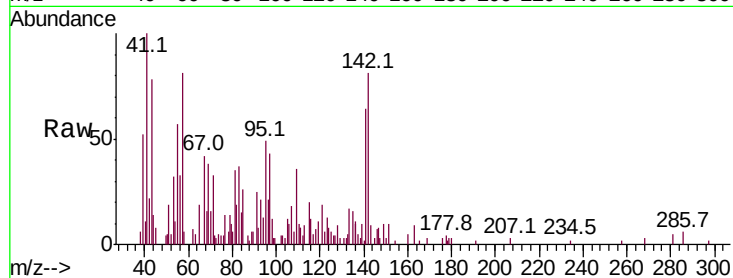
Tot Ion:142 Resp: 17132

Ion Ratio Lower Upper

142 100

141 72.7 63.7 95.5

115 34.4 30.6 45.8



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

