

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037183.D
 Acq On : 16 Jun 2021 23:25
 Operator : SY/AP
 Sample : M2721-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 17 01:51:21 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1516892	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4465515	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4036418	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3203076	10.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	58401	0.221	ppbv 91
3) Chlorodifluoromethane	2.96	51	8534101	28.933	ppbv # 57
4) Chloromethane	3.14	50	56002	0.570	ppbv 95
9) Propene	3.20	41	1245247	13.204	ppbv 98
10) Heptane	8.12	43	38177	0.167	ppbv # 54
11) Trichlorofluoromethane	3.95	101	54487	0.194	ppbv 95
13) Ethanol	3.61	45	3105673	212.877	ppbv 47
15) Acetone	3.84	43	5724254	33.464	ppbv 93
16) 1,3-Butadiene	3.35	39	62897	0.622	ppbv # 20
17) tert-Butyl alcohol	4.30	59	697988	4.415	ppbv 98
19) Isopropyl Alcohol	3.97	45	748661	7.226	ppbv # 1
20) Methylene Chloride	4.34	84	1671285	16.320	ppbv 98
21) Allyl Chloride	4.35	41	38859	0.301	ppbv # 18
23) Vinyl Acetate	5.06	43	98299	0.401	ppbv # 1
25) Ethyl Acetate	5.67	43	5997092	16.195	ppbv 99
26) Hexane	5.69	57	2721725	14.542	ppbv 96
27) Carbon Disulfide	4.55	76	51855	0.283	ppbv # 80
30) Cyclohexane	7.13	84	375763	2.410	ppbv 90
31) cis-1,2-Dichloroethene	5.67	61	548772	3.191	ppbv # 23
34) 2-Butanone	5.24	43	918624	5.290	ppbv 97
35) Carbon Tetrachloride	7.01	117	9229	0.031	ppbv 95
36) Benzene	6.89	78	33416	0.093	ppbv # 88
37) 1,2-Dichloroethane	6.31	62	13513	0.064	ppbv # 81
39) 1,2-Dichloropropane	7.18	63	1075445	8.015	ppbv # 23
40) 1,4-Dioxane	7.84	88	876	0.024	ppbv # 1
41) Tetrahydrofuran	6.05	42	71259	0.883	ppbv # 82
44) 2,2,4-Trimethylpentane	7.87	57	105702	0.174	ppbv # 65
50) 4-Methyl-2-Pentanone	8.75	43	28247	0.118	ppbv 97
51) 2-Hexanone	10.14	43	9005	0.078	ppbv # 23
53) Toluene	9.81	91	977748	2.267	ppbv 99
58) Ethyl Benzene	12.71	91	419373	0.755	ppbv 95
59) m/p-Xylene	12.97	91	1252005	2.659	ppbv 97
60) o-Xylene	13.70	91	565804	1.262	ppbv 98
61) Styrene	13.53	104	6497398	28.077	ppbv 97
62) Isopropylbenzene	14.67	105	73121	0.115	ppbv # 48
64) n-propylbenzene	15.56	120	40154	0.251	ppbv # 1
65) tert-Butylbenzene	16.76	119	124607	0.220	ppbv # 66
66) Benzyl Chloride	16.99	91	1348	0.056	ppbv # 1
67) sec-Butylbenzene	17.29	105	51423	0.068	ppbv # 57
69) p-Isopropyltoluene	17.65	119	126445	0.199	ppbv 96
70) n-Butylbenzene	18.55	91	68323	0.116	ppbv # 32

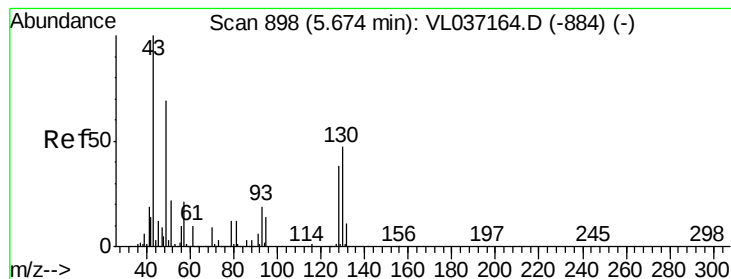
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037183.D
 Acq On : 16 Jun 2021 23:25
 Operator : SY/AP
 Sample : M2721-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 17 01:51:21 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)
71) 2-Chlorotoluene	15.78	91	38713	0.087	ppbv	81
72) 4-Ethyltoluene	15.84	105	314247	0.617	ppbv #	97
73) 1,3,5-Trimethylbenzene	16.00	105	200158	0.407	ppbv	90
74) 1,2,4-Trimethylbenzene	16.76	105	1073029	2.115	ppbv #	72
76) 1,4-Dichlorobenzene	17.14	146	58884	0.191	ppbv #	1
80) Naphthalene,2-methyl-	24.97	142	5058	0.046	ppbv #	86

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL037183.D

Acq: 16 Jun 2021 23:25

Instrument :

MSVOA_L

ClientSampleId :

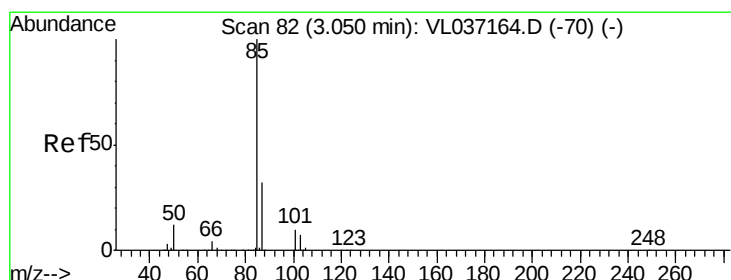
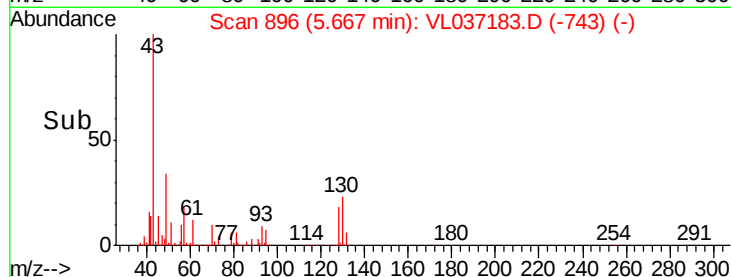
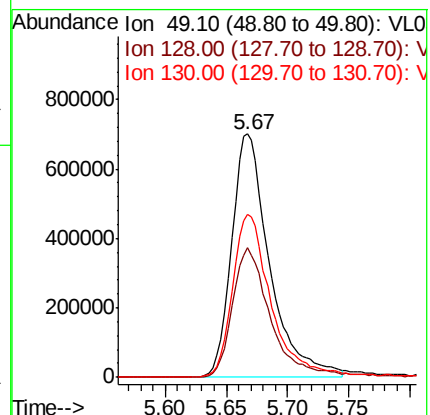
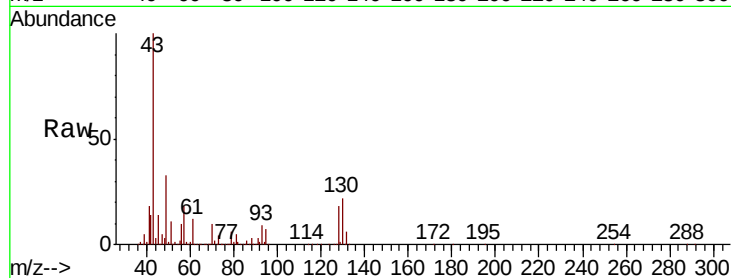
Tot Ion: 49 Resp: 1516892

Ion Ratio Lower Upper

49 100

128 54.6 29.3 88.0

130 69.7 35.9 107.8



#2

Dichlorodifluoromethane

Concen: 0.221 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL037183.D

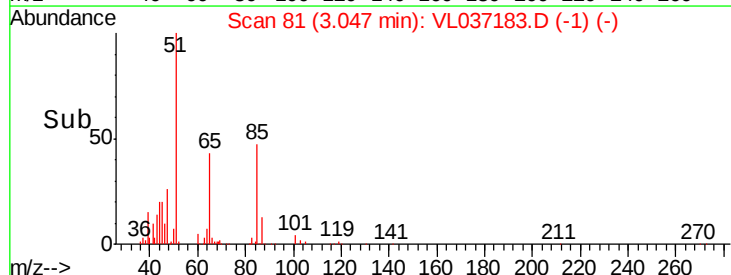
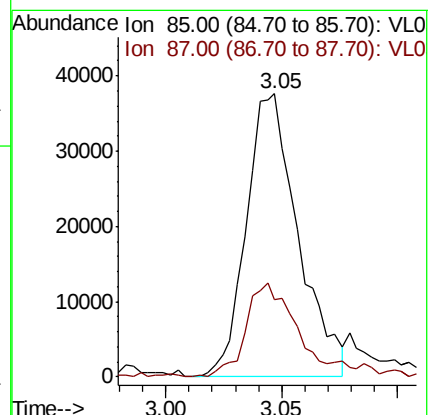
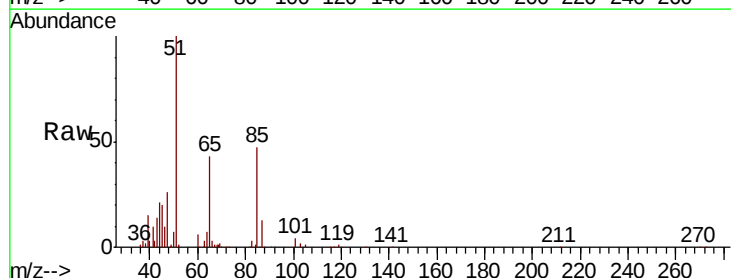
Acq: 16 Jun 2021 23:25

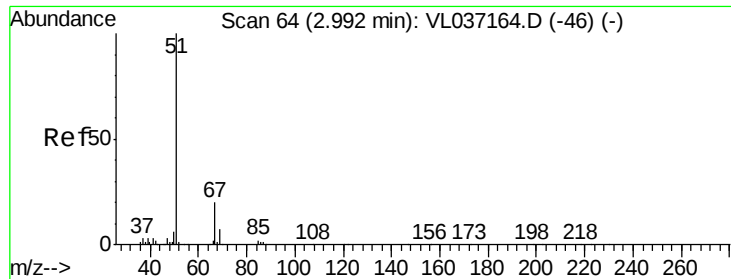
Tgt Ion: 85 Resp: 58401

Ion Ratio Lower Upper

85 100

87 27.4 25.8 38.6

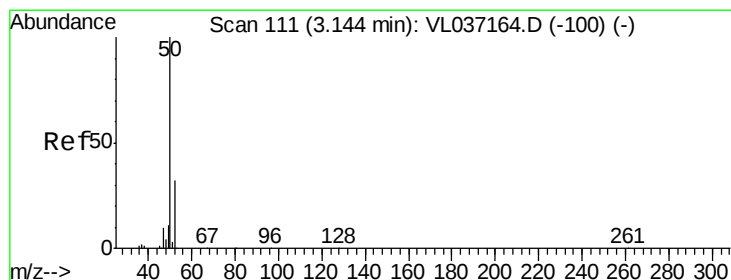
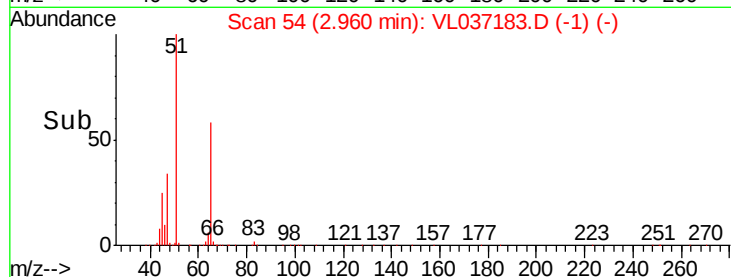
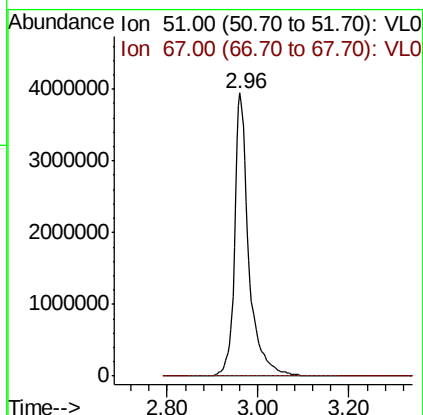
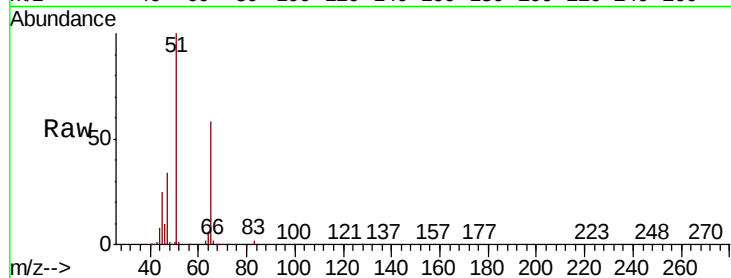




#3
Chlorodifluoromethane
Concen: 28.933 ppbv
RT: 2.96 min Scan# 54
Delta R.T. -0.03 min
Lab File: VL037183.D
Acq: 16 Jun 2021 23:25

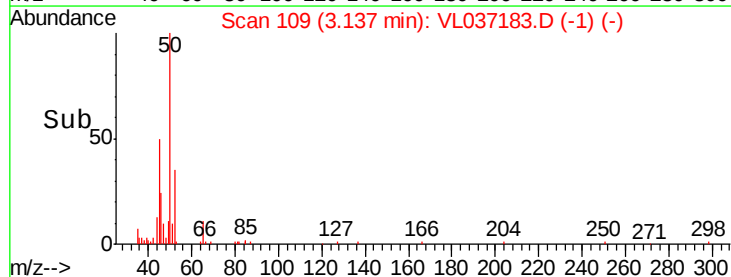
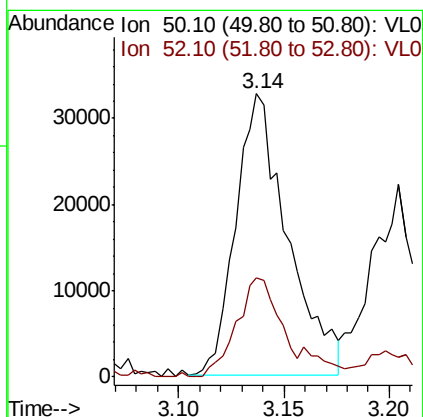
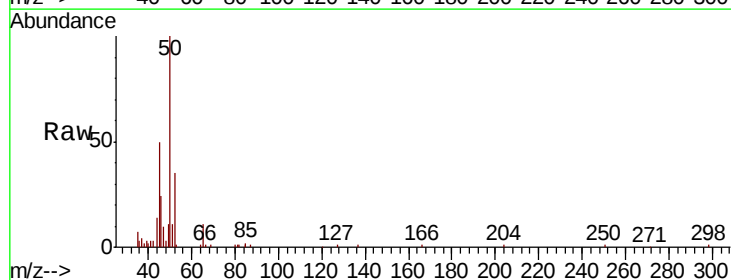
Instrument :
MSVOA_L
ClientSampleId :

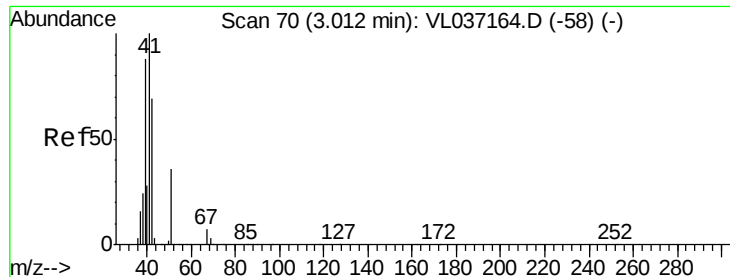
Tot Ion: 51 Resp: 8534101
Ion Ratio Lower Upper
51 100
67 0.2 15.8 23.6#



#4
Chloromethane
Concen: 0.570 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.01 min
Lab File: VL037183.D
Acq: 16 Jun 2021 23:25

Tgt Ion: 50 Resp: 56002
Ion Ratio Lower Upper
50 100
52 35.0 25.8 38.8





#9

Propene

Concen: 13.204 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.19 min

Lab File: VL037183.D

Acq: 16 Jun 2021 23:25

Instrument :

MSVOA_L

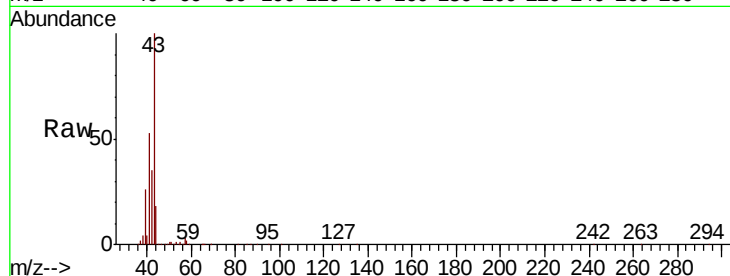
ClientSampleId :

Tot Ion: 41 Resp: 1245247

Ion Ratio Lower Upper

41 100

42 66.8 54.5 81.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.20

800000

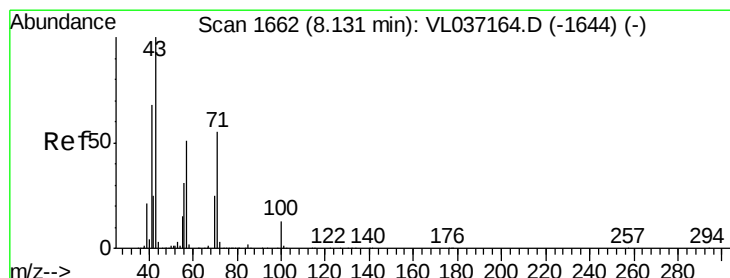
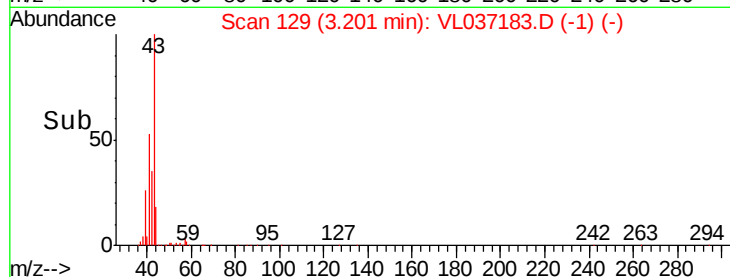
600000

400000

200000

0

Time-->



#10

Heptane

Concen: 0.167 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VL037183.D

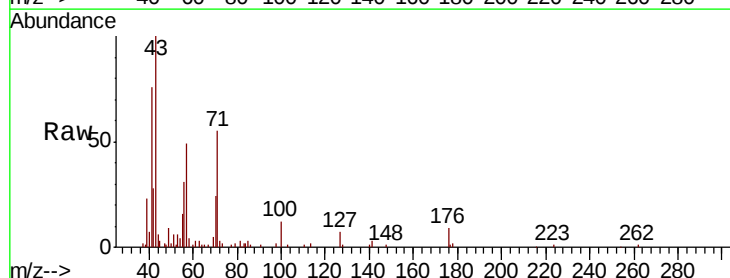
Acq: 16 Jun 2021 23:25

Tgt Ion: 43 Resp: 38177

Ion Ratio Lower Upper

43 100

57 82.6 40.6 61.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.12

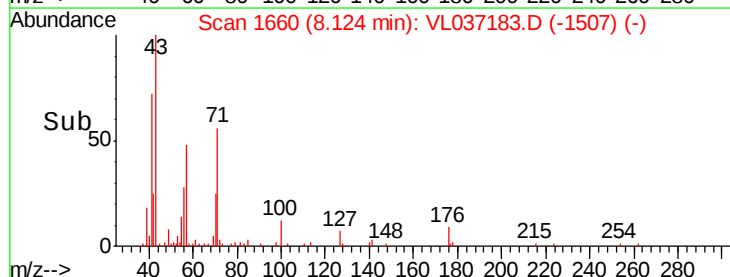
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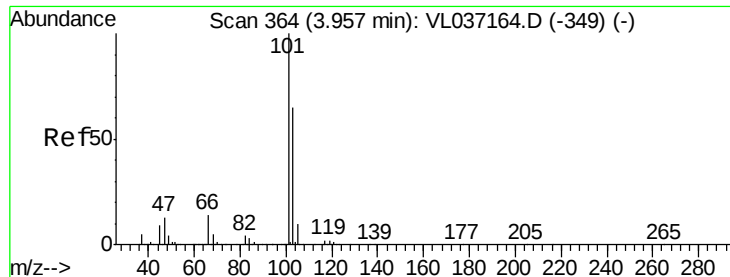
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10000

0

Time-->

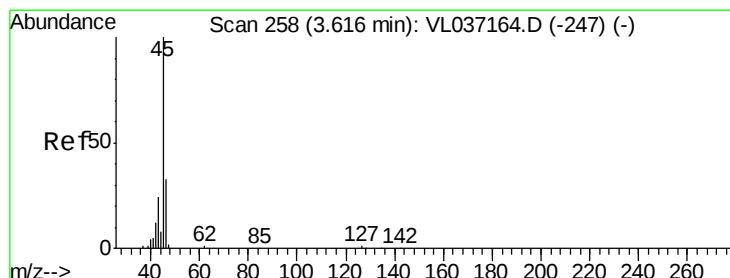
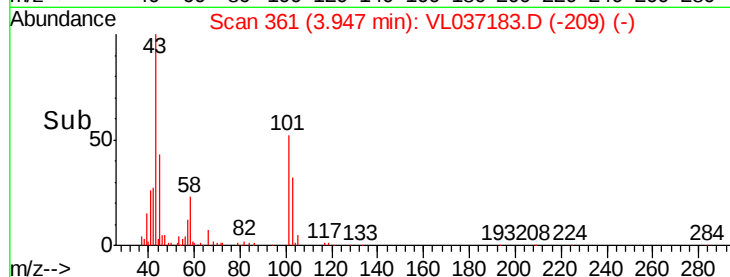
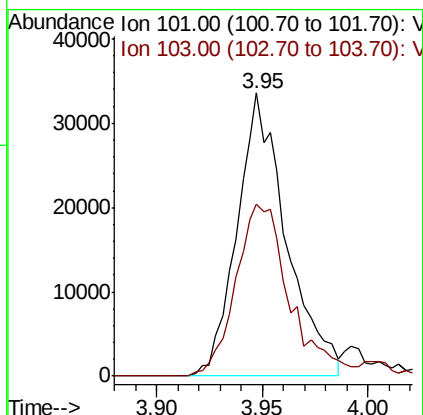
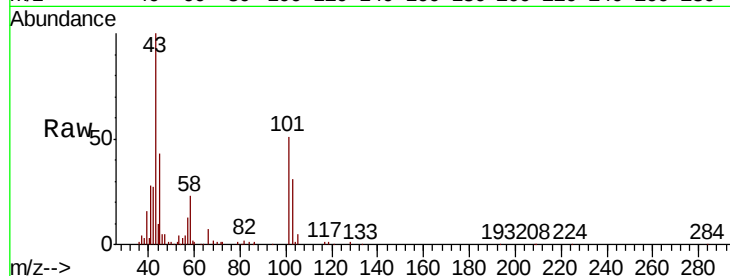




#11
 Trichlorofluoromethane
 Concen: 0.194 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VL037183.D
 Acq: 16 Jun 2021 23:25

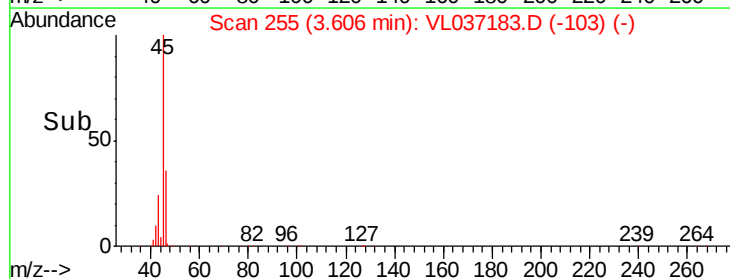
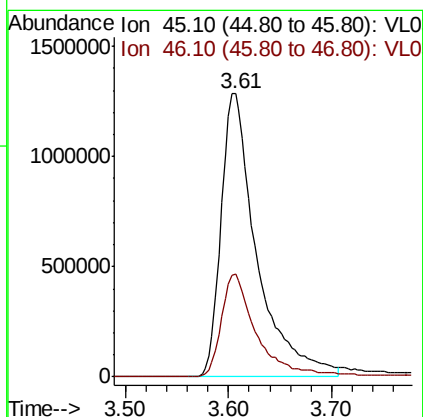
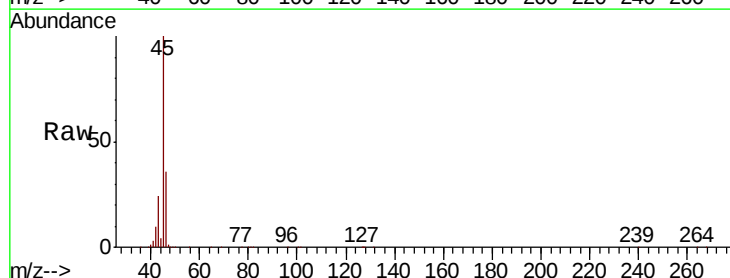
Instrument :
 MSVOA_L
 ClientSampleId :

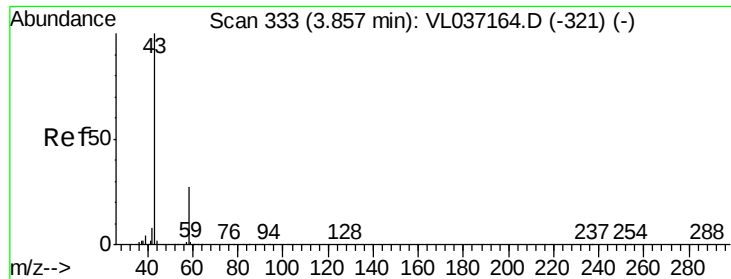
Tot Ion:101 Resp: 54487
 Ion Ratio Lower Upper
 101 100
 103 61.0 52.2 78.4



#13
 Ethanol
 Concen: 212.877 ppbv
 RT: 3.61 min Scan# 255
 Delta R.T. -0.01 min
 Lab File: VL037183.D
 Acq: 16 Jun 2021 23:25

Tgt Ion: 45 Resp: 3105673
 Ion Ratio Lower Upper
 45 100
 46 37.2 34.2 137.0

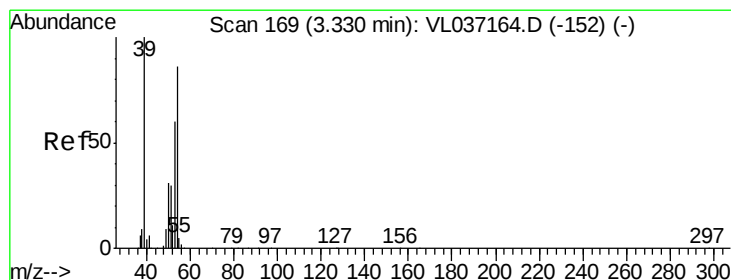
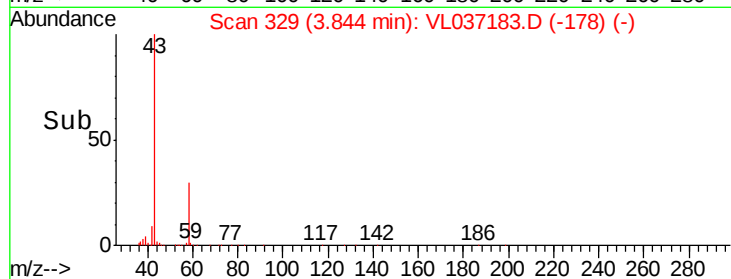
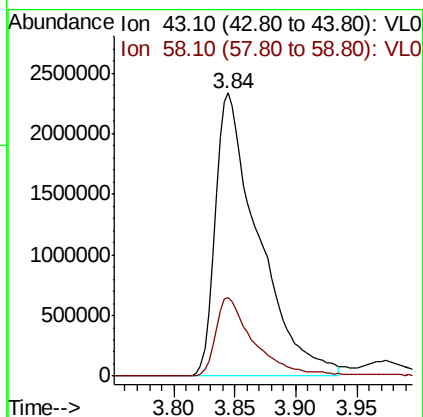
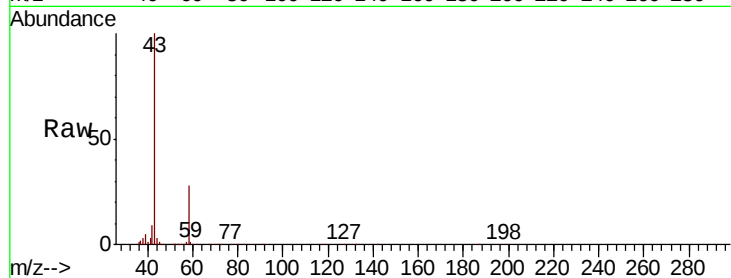




#15
Acetone
Concen: 33.464 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL037183.D
Acq: 16 Jun 2021 23:25

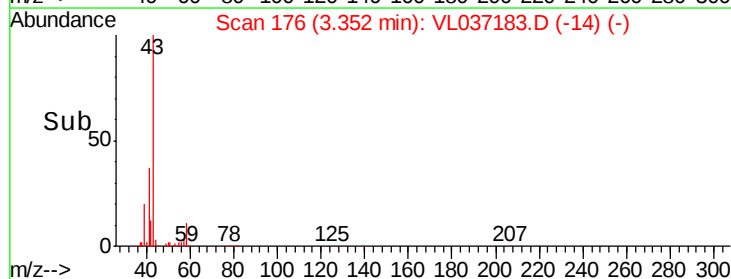
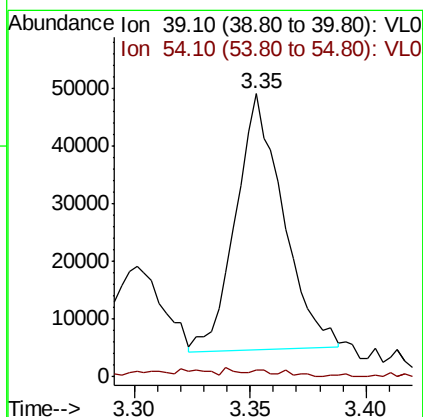
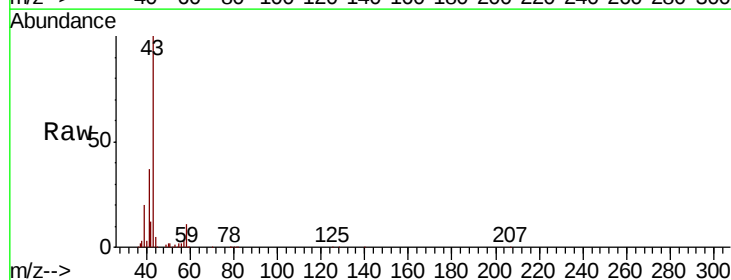
Instrument :
MSVOA_L
ClientSampleId :

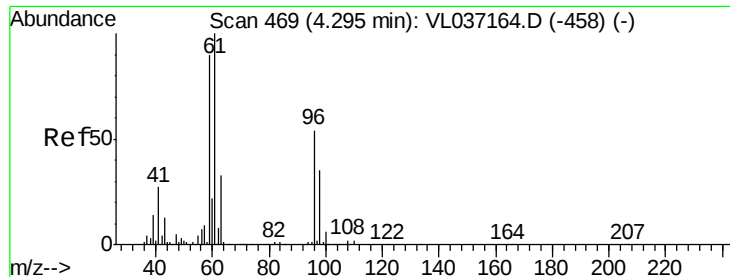
Tot Ion: 43 Resp: 5724254
Ion Ratio Lower Upper
43 100
58 25.8 23.7 35.5



#16
1,3-Butadiene
Concen: 0.622 ppbv
RT: 3.35 min Scan# 176
Delta R.T. 0.02 min
Lab File: VL037183.D
Acq: 16 Jun 2021 23:25

Tgt Ion: 39 Resp: 62897
Ion Ratio Lower Upper
39 100
54 7.7 61.2 91.8#



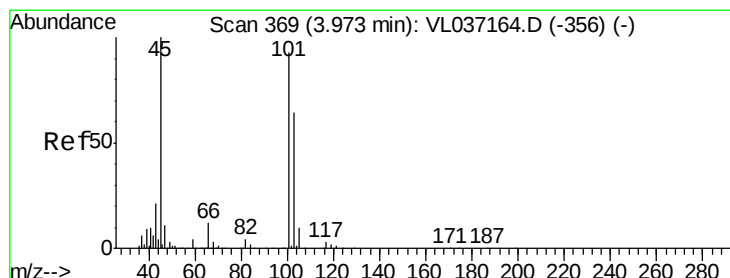
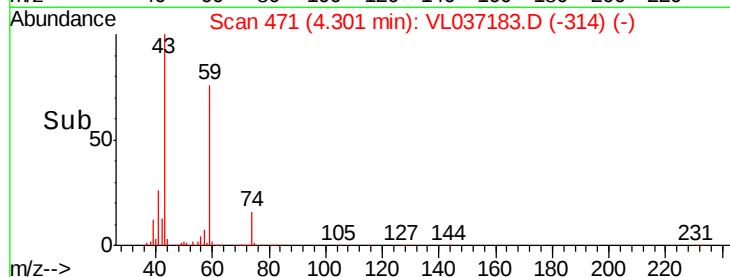
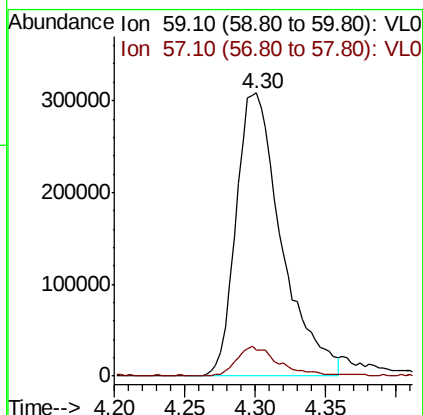
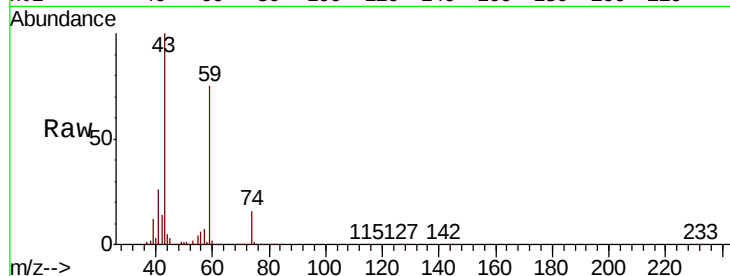


#17

tert-Butyl alcohol
Concen: 4.415 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL037183.D
Acq: 16 Jun 2021 23:25

Instrument :
MSVOA_L
ClientSampled :

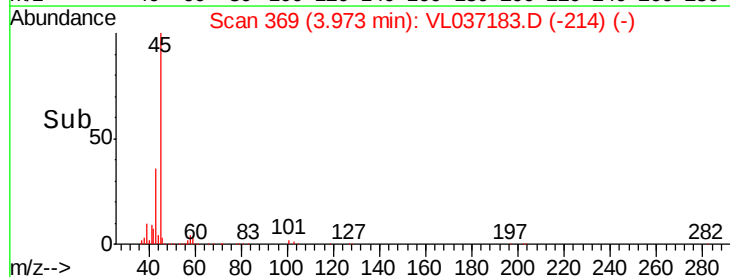
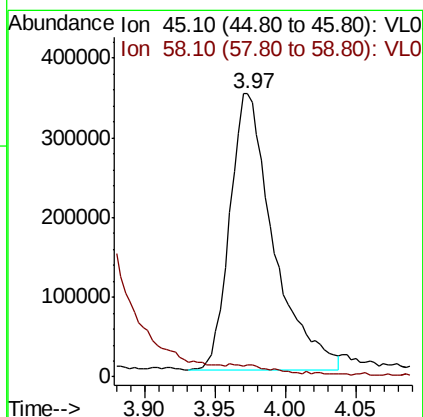
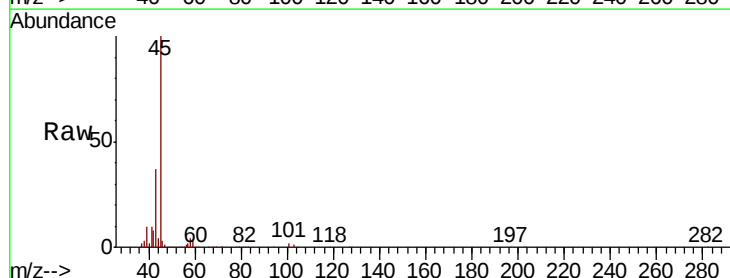
Tot Ion: 59 Resp: 697988
Ion Ratio Lower Upper
59 100
57 10.2 8.8 13.2

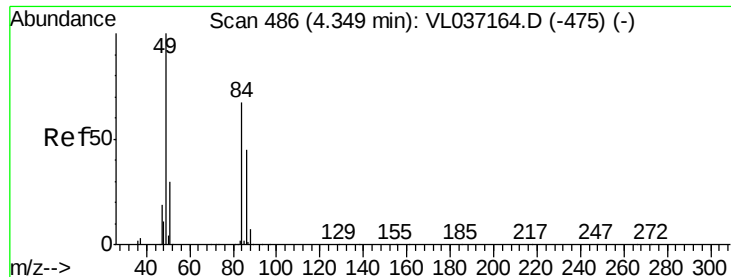


#19

Isopropyl Alcohol
Concen: 7.226 ppbv
RT: 3.97 min Scan# 369
Delta R.T. -0.00 min
Lab File: VL037183.D
Acq: 16 Jun 2021 23:25

Tgt Ion: 45 Resp: 748661
Ion Ratio Lower Upper
45 100
58 197.1 2.4 3.6#



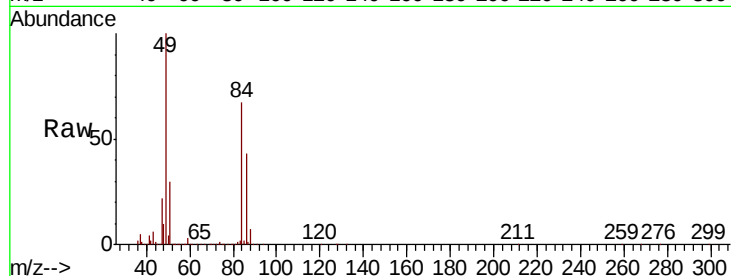


#20
Methvlene Chloride
Concen: 16.320 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.01 min
Lab File: VL037183.D
Acq: 16 Jun 2021 23:25

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 1671285

Ion	Ratio	Lower	Upper
84	100		
49	149.2	119.7	179.5
51	44.5	36.1	54.1
86	63.5	53.7	80.5



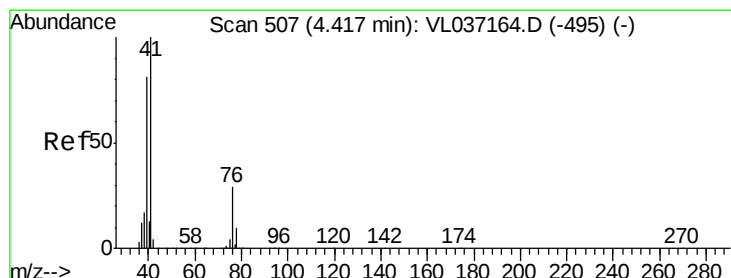
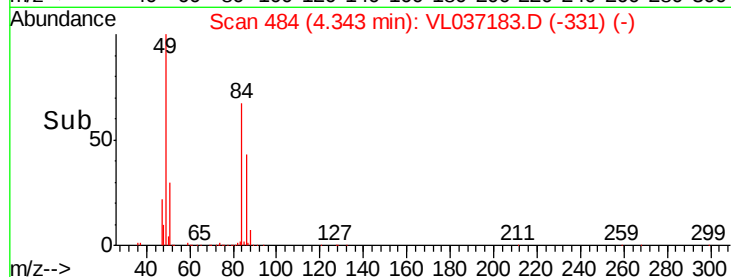
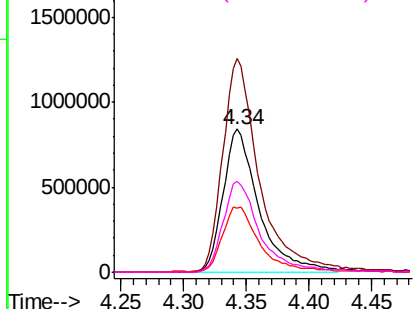
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

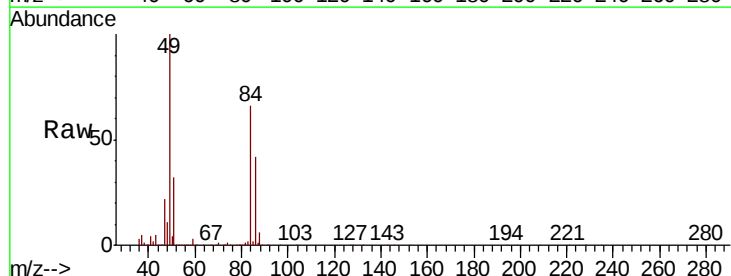
Ion 86.00 (85.70 to 86.70): VL0



#21
Allyl Chloride
Concen: 0.301 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.07 min
Lab File: VL037183.D
Acq: 16 Jun 2021 23:25

Tgt Ion: 41 Resp: 38859

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.6	37.0#
39	0.0	65.4	98.0#

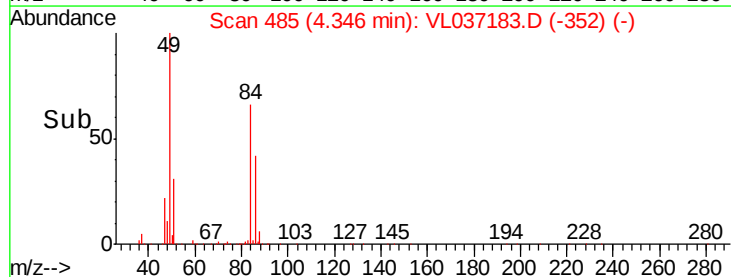
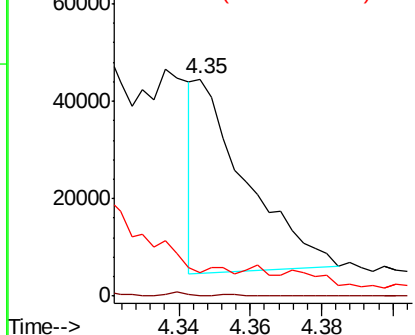


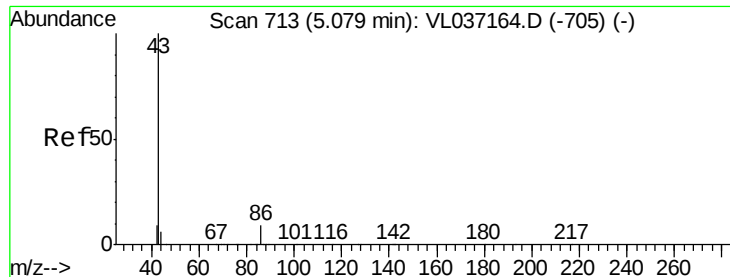
Abundance

Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 0.401 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.02 min

Lab File: VL037183.D

Acq: 16 Jun 2021 23:25

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 98299

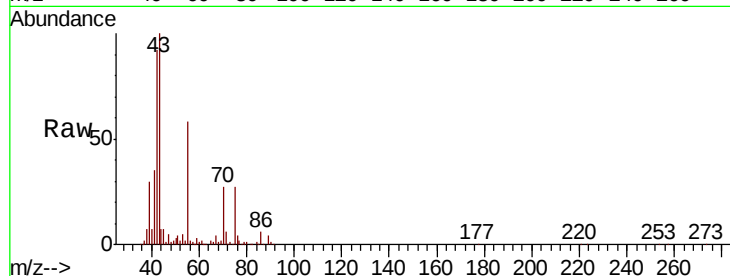
Ion Ratio Lower Upper

43 100

86 6.1 5.8 8.8

42 91.9 8.2 12.2#

44 1.9 4.2 6.4#

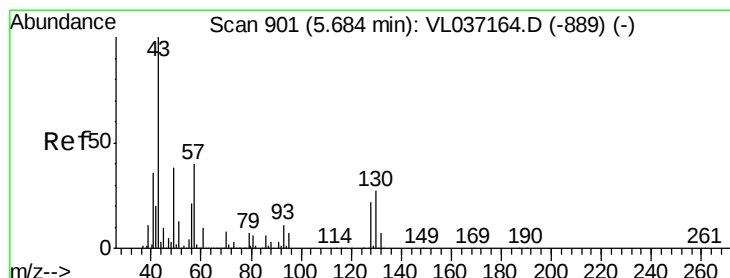
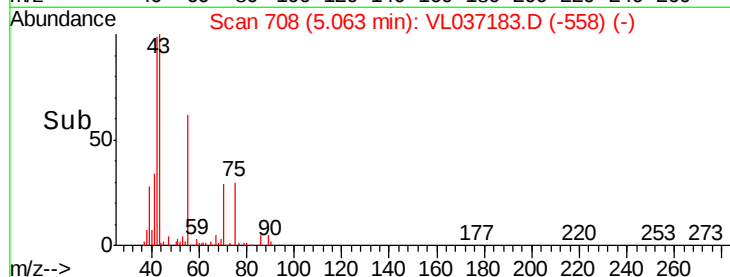
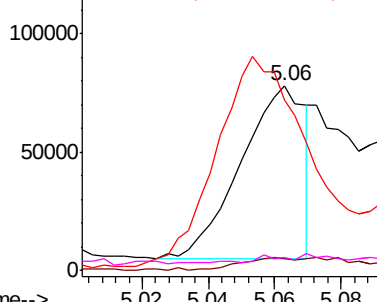


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 16.195 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL037183.D

Acq: 16 Jun 2021 23:25

Tgt Ion: 43 Resp: 5997092

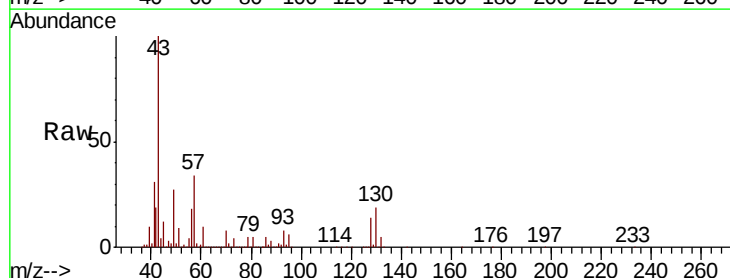
Ion Ratio Lower Upper

43 100

45 10.3 8.0 12.0

61 9.5 8.1 12.1

70 7.4 5.5 8.3

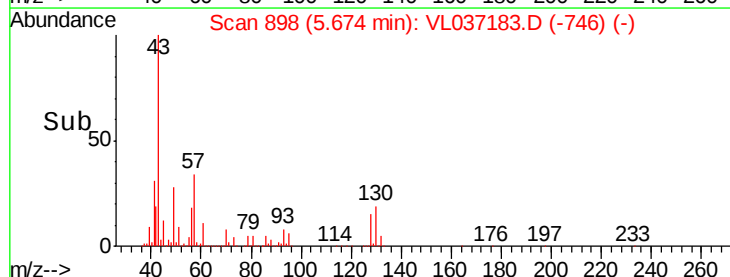
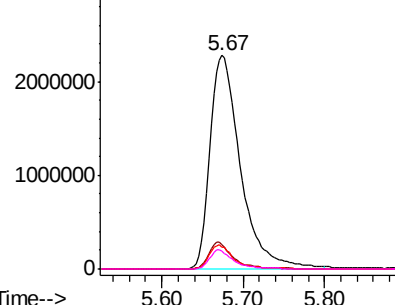


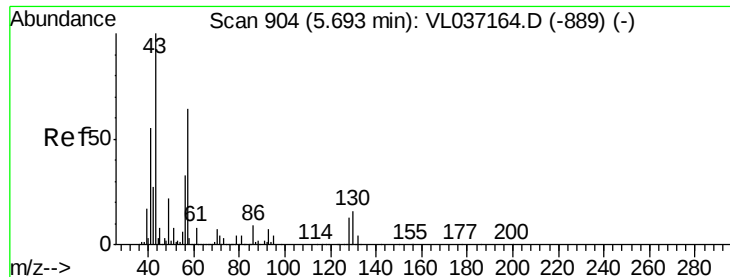
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

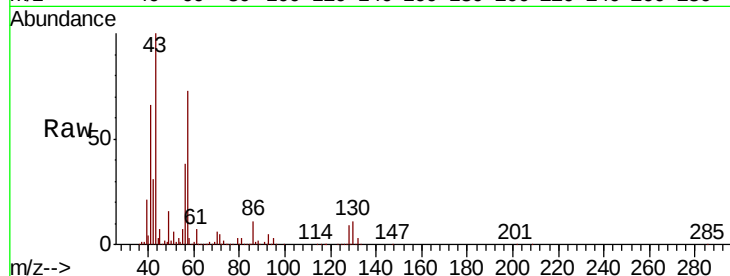




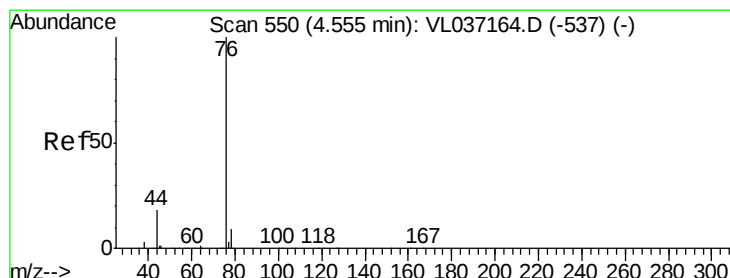
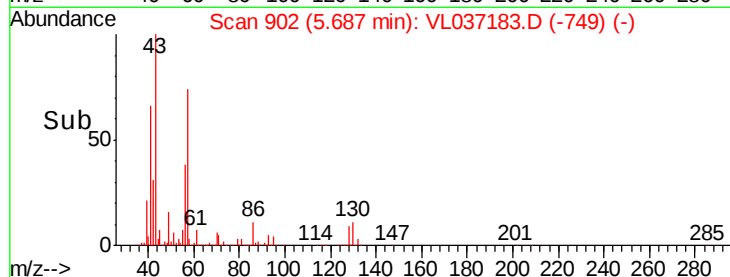
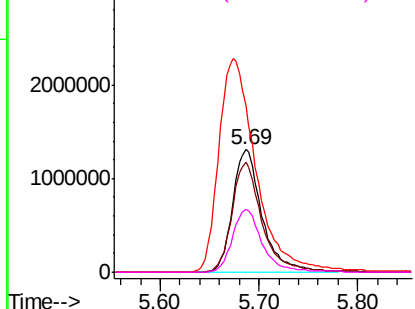
#26
Hexane
Concen: 14.542 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL037183.D
Acq: 16 Jun 2021 23:25

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 2721725
Ion Ratio Lower Upper
57 100
41 92.4 73.5 110.3
43 222.4 170.7 256.1
56 52.7 42.4 63.6

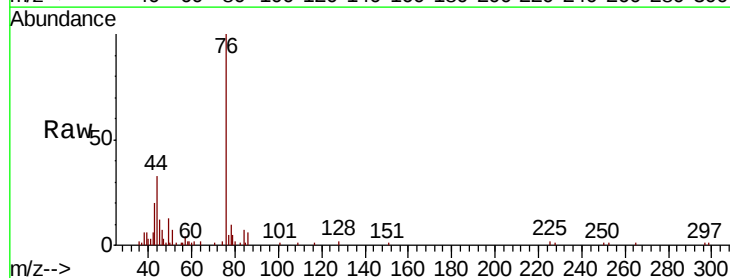


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

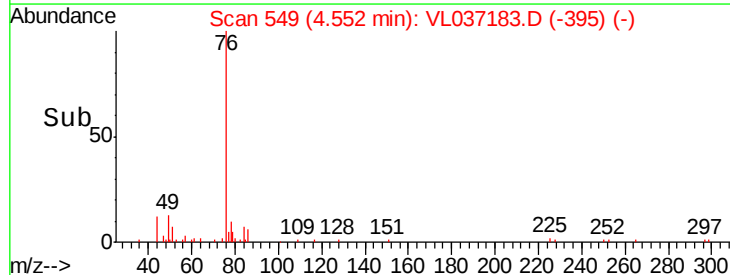
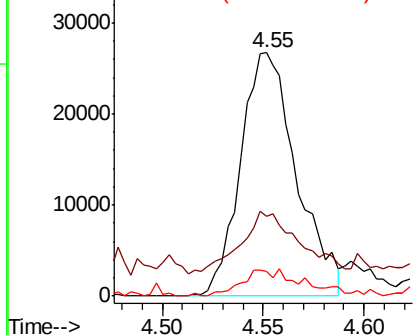


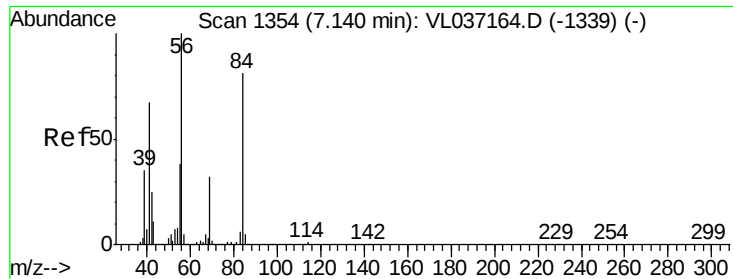
#27
Carbon Disulfide
Concen: 0.283 ppbv
RT: 4.55 min Scan# 549
Delta R.T. -0.00 min
Lab File: VL037183.D
Acq: 16 Jun 2021 23:25

Tgt Ion: 76 Resp: 51855
Ion Ratio Lower Upper
76 100
44 31.4 15.4 23.2#
78 12.3 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

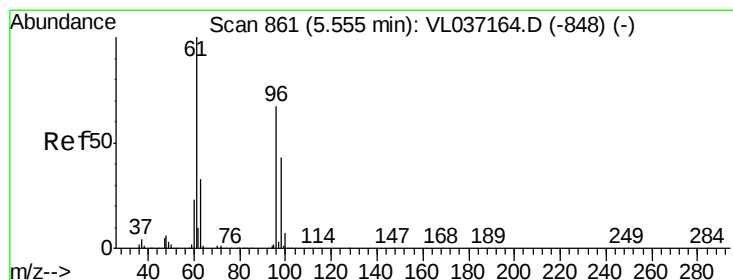
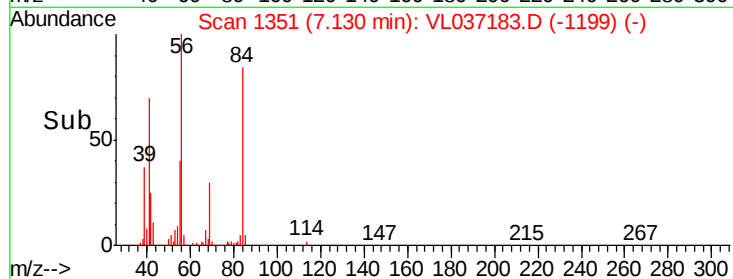
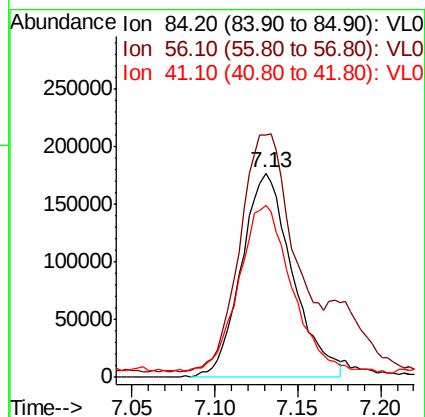
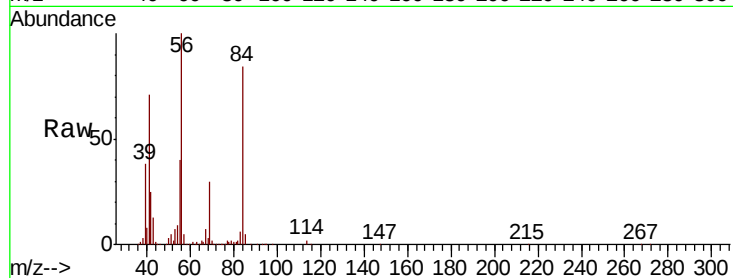




#30
Cvclohexane
Concen: 2.410 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL037183.D
Acq: 16 Jun 2021 23:25

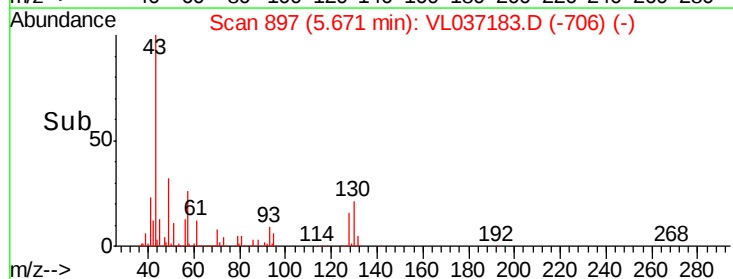
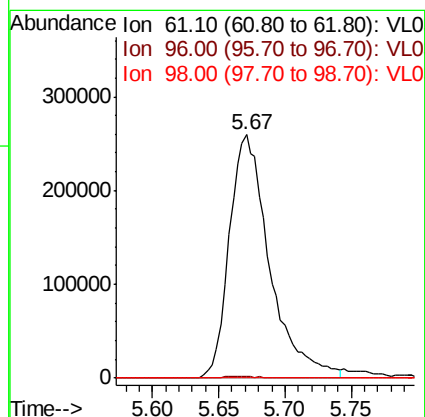
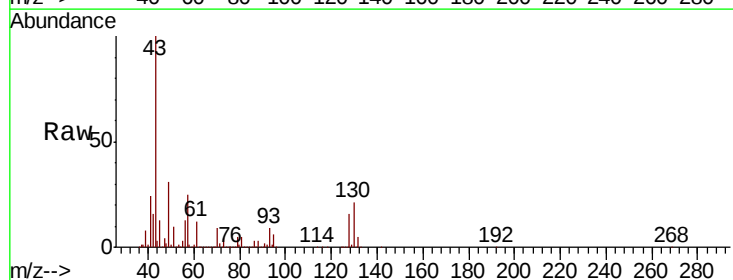
Instrument :
MSVOA_L
ClientSampleId :

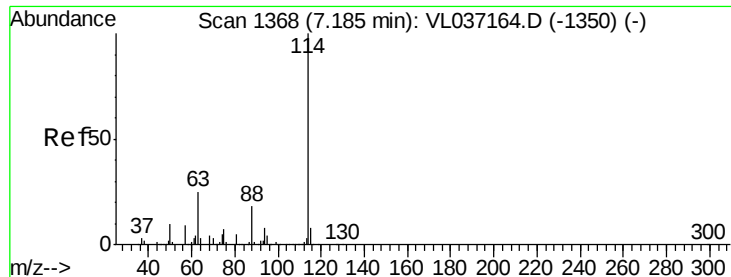
Tot Ion: 84 Resp: 375763
Ion Ratio Lower Upper
84 100
56 153.7 107.7 161.5
41 84.9 69.0 103.6



#31
cis-1,2-Dichloroethene
Concen: 3.191 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.12 min
Lab File: VL037183.D
Acq: 16 Jun 2021 23:25

Tgt Ion: 61 Resp: 548772
Ion Ratio Lower Upper
61 100
96 0.5 53.6 80.4#
98 0.0 34.7 52.1#

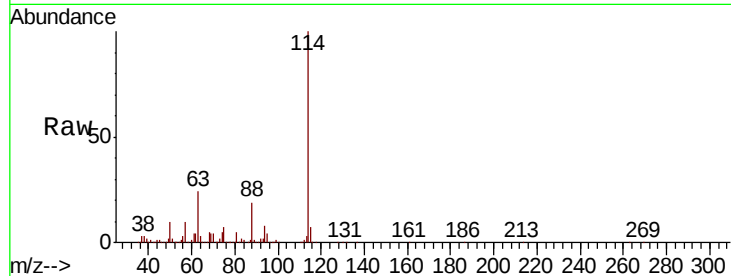




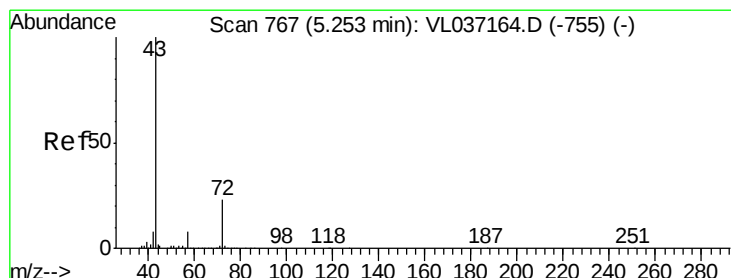
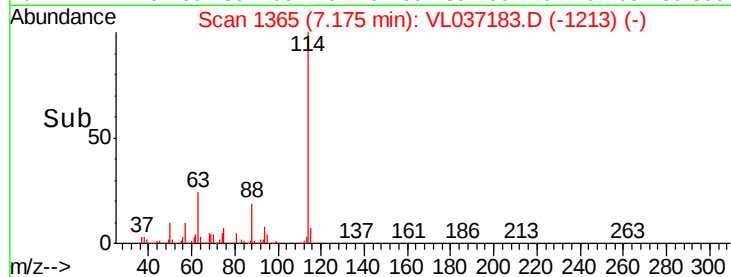
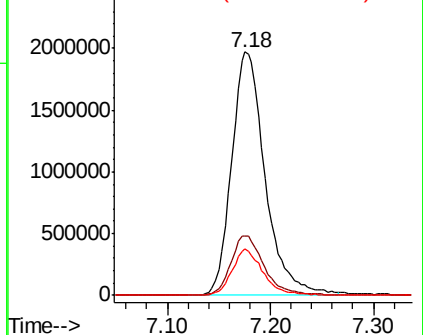
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL037183.D
 Acq: 16 Jun 2021 23:25

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4465515
 Ion Ratio Lower Upper
 114 100
 63 24.6 19.6 29.4
 88 17.9 14.2 21.2

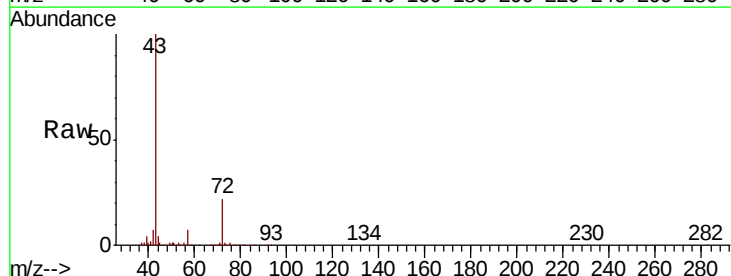


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

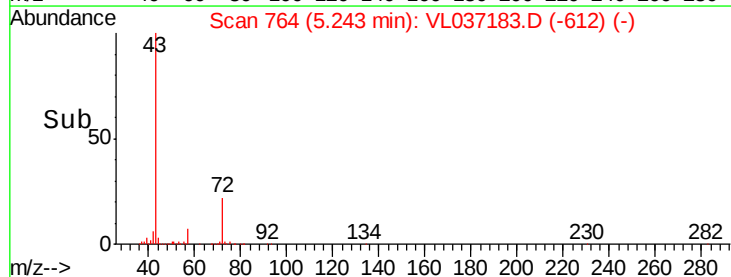
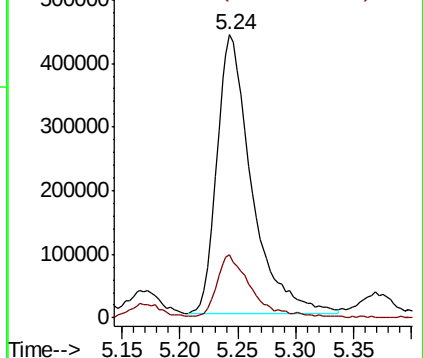


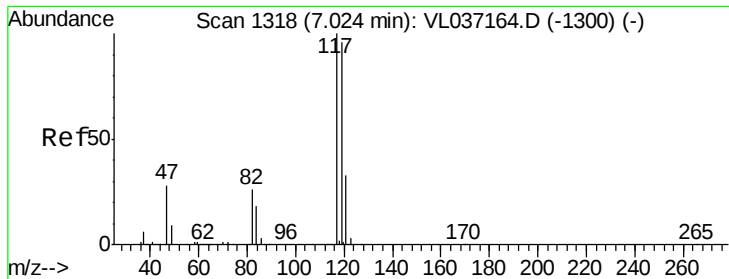
#34
 2-Butanone
 Concen: 5.290 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL037183.D
 Acq: 16 Jun 2021 23:25

Tgt Ion: 43 Resp: 918624
 Ion Ratio Lower Upper
 43 100
 72 21.9 18.9 28.3



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





#35

Carbon Tetrachloride

Concen: 0.031 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VL037183.D

Acq: 16 Jun 2021 23:25

Instrument :

MSVOA_L

ClientSampleId :

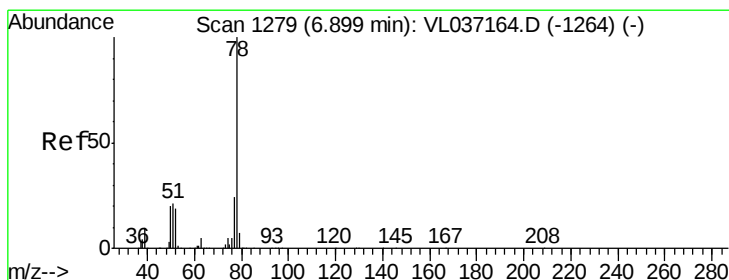
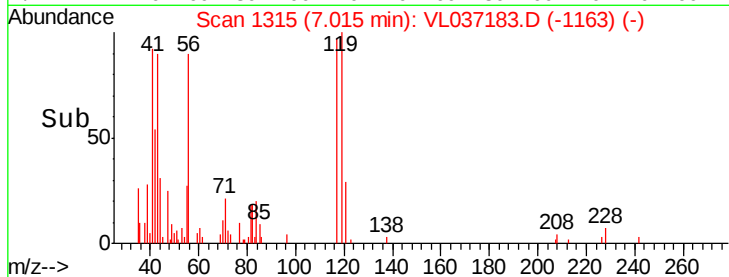
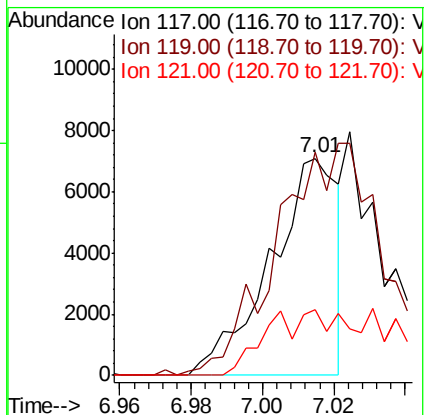
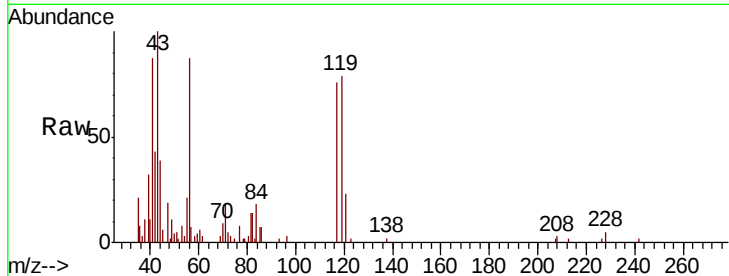
Tot Ion:117 Resp: 9229

Ion Ratio Lower Upper

117 100

119 100.7 76.6 114.8

121 30.0 26.4 39.6



#36

Benzene

Concen: 0.093 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VL037183.D

Acq: 16 Jun 2021 23:25

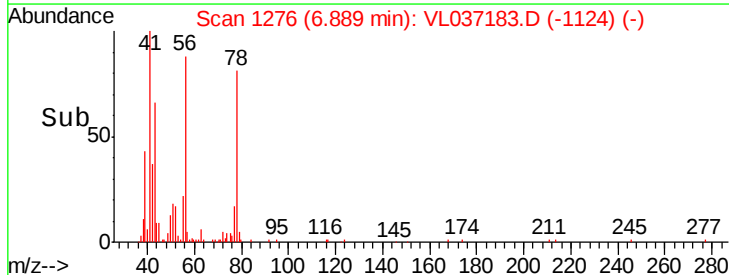
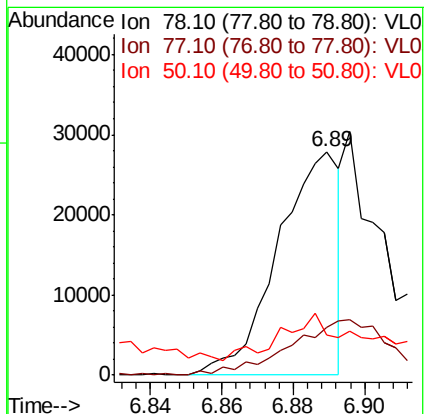
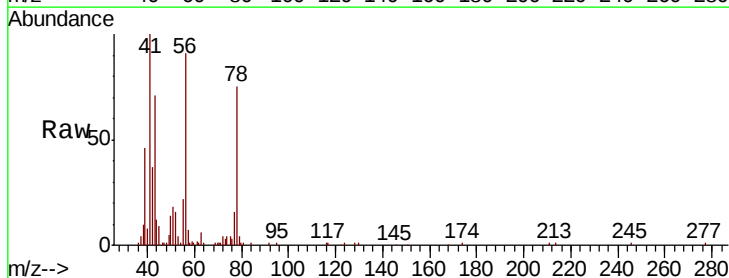
Tgt Ion: 78 Resp: 33416

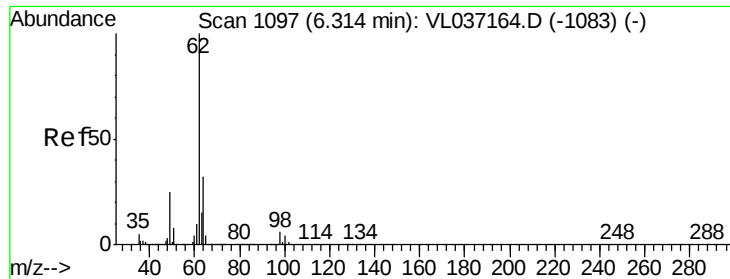
Ion Ratio Lower Upper

78 100

77 21.1 19.0 28.6

50 10.4 15.7 23.5#

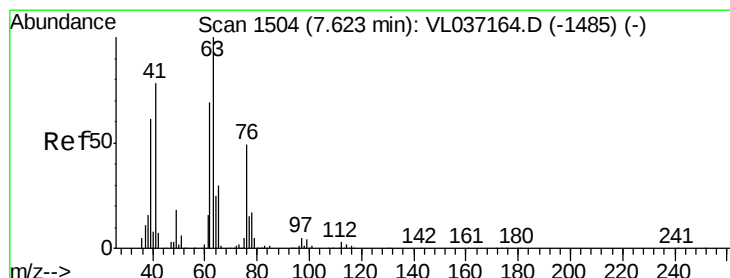
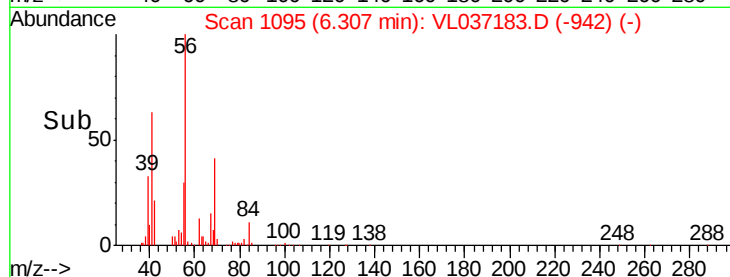
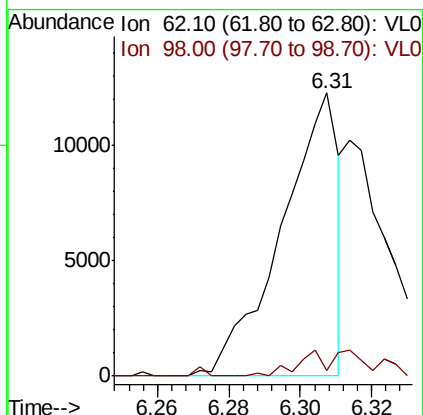
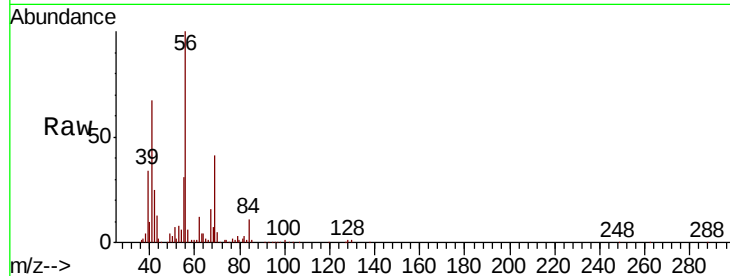




#37
 1,2-Dichloroethane
 Concen: 0.064 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.01 min
 Lab File: VL037183.D
 Acq: 16 Jun 2021 23:25

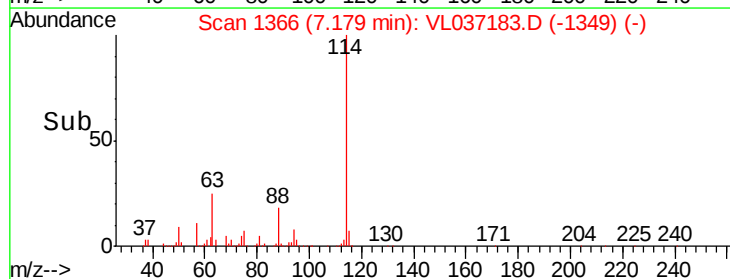
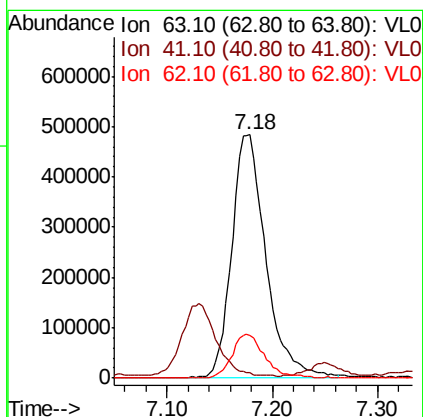
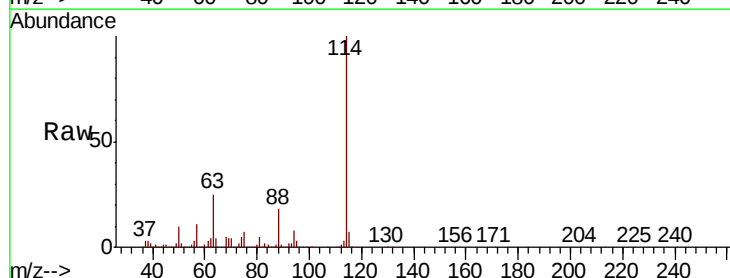
Instrument :
 MSVOA_L
 ClientSampled :

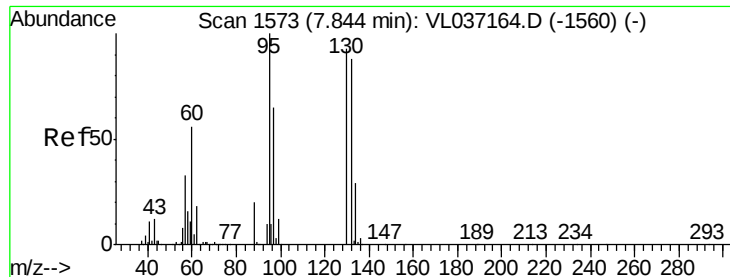
Tot Ion: 62 Resp: 13513
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.0 7.6#



#39
 1,2-Dichloropropane
 Concen: 8.015 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.44 min
 Lab File: VL037183.D
 Acq: 16 Jun 2021 23:25

Tgt Ion: 63 Resp: 1075445
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.0 93.0#
 62 17.2 54.9 82.3#





#40

1,4-Dioxane

Concen: 0.024 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VL037183.D

Acq: 16 Jun 2021 23:25

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 88 Resp: 876

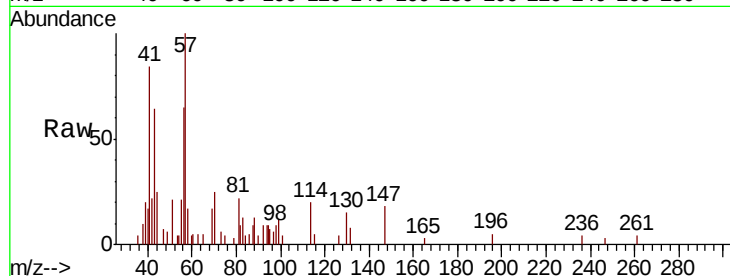
Ion Ratio Lower Upper

88 100

58 0.0 118.4 177.6#

43 0.0 284.0 426.0#

57 0.0 1231.8 1847.6#



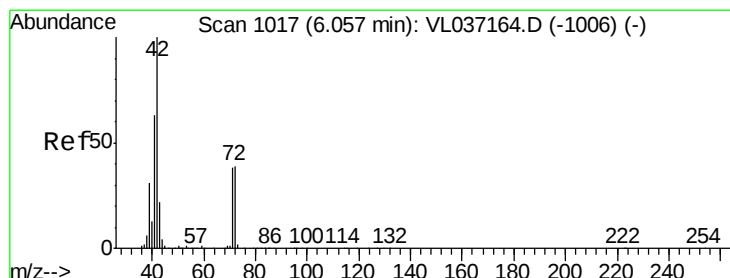
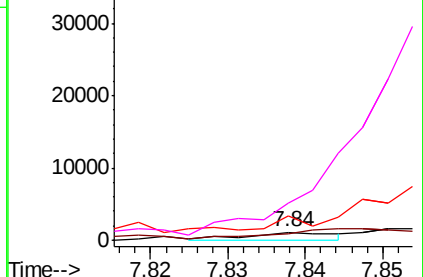
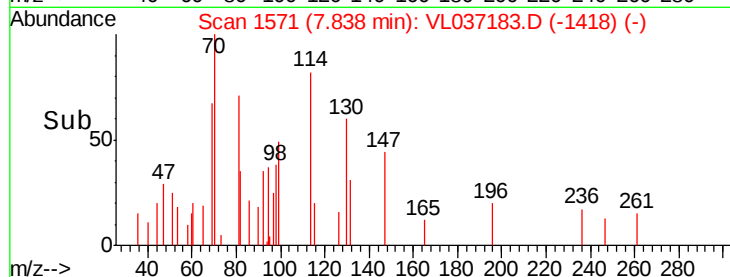
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

Time-->



#41

Tetrahydrofuran

Concen: 0.883 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VL037183.D

Acq: 16 Jun 2021 23:25

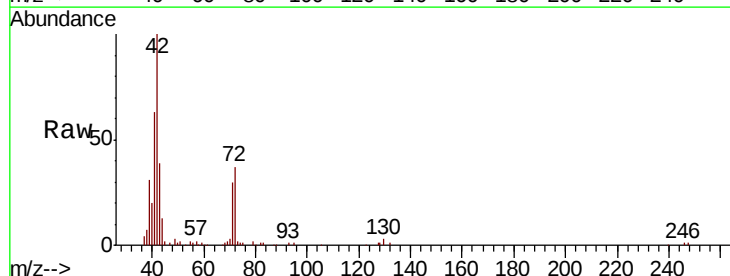
Tgt Ion: 42 Resp: 71259

Ion Ratio Lower Upper

42 100

72 53.1 33.0 49.4#

71 48.7 31.0 46.6#

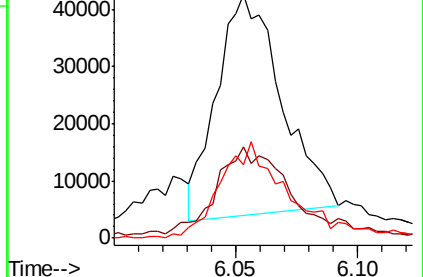
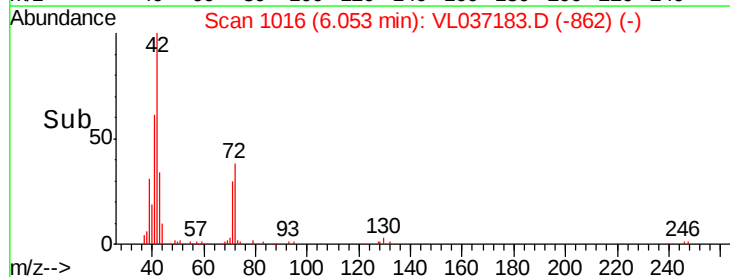


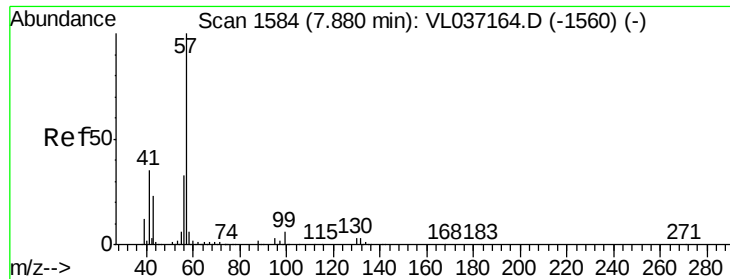
Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0

Time-->

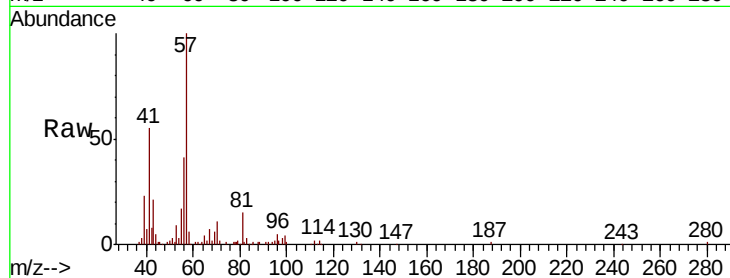




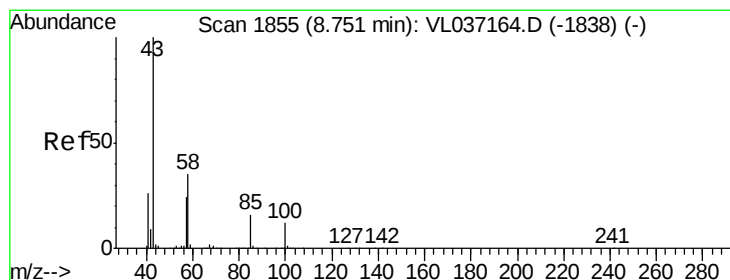
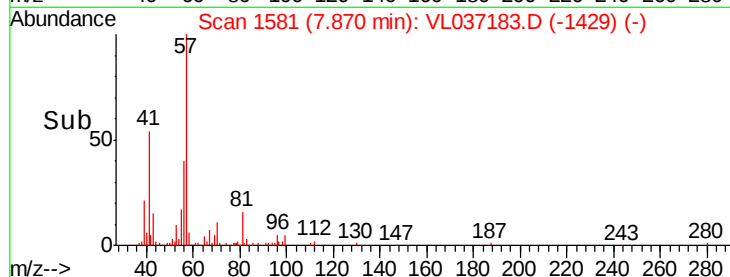
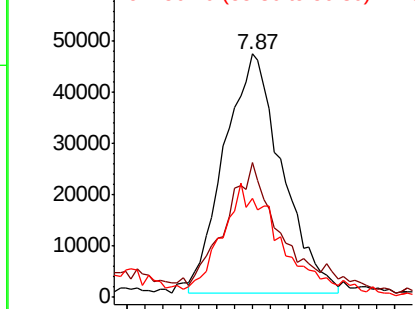
#44
 2,2,4-Trimethylpentane
 Concen: 0.174 ppbv
 RT: 7.87 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: VL037183.D
 Acq: 16 Jun 2021 23:25

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 57 Resp: 105702
 Ion Ratio Lower Upper
 57 100
 41 58.2 27.6 41.4#
 56 47.6 25.3 37.9#

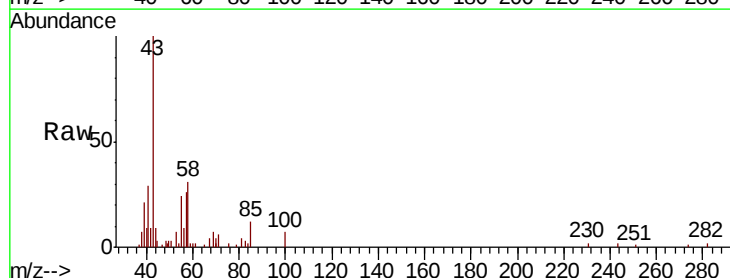


Abundance Ion 57.10 (56.80 to 57.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 56.10 (55.80 to 56.80): VL0

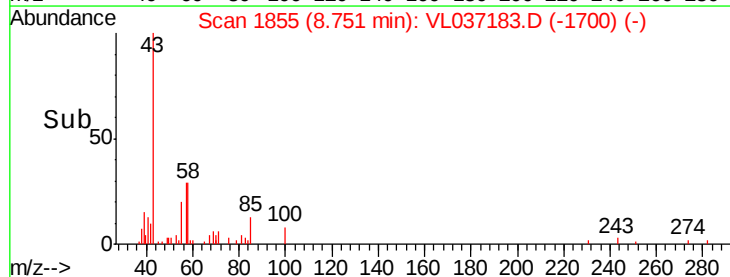
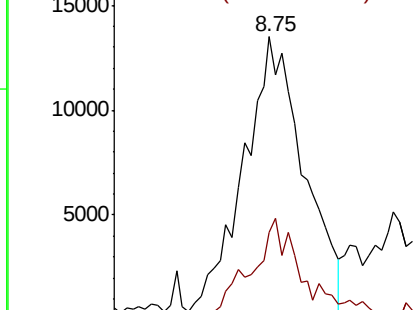


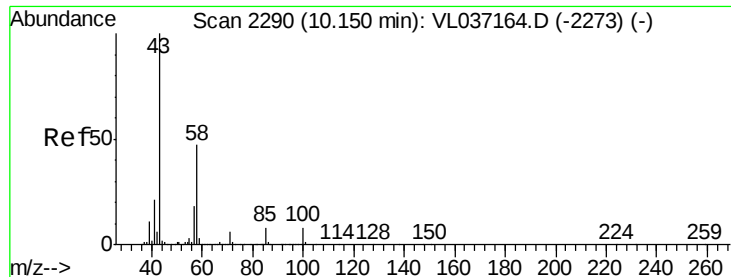
#50
 4-Methyl-2-Pentanone
 Concen: 0.118 ppbv
 RT: 8.75 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VL037183.D
 Acq: 16 Jun 2021 23:25

Tgt Ion: 43 Resp: 28247
 Ion Ratio Lower Upper
 43 100
 58 34.0 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0

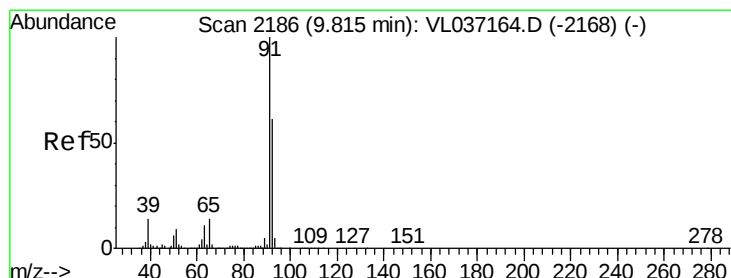
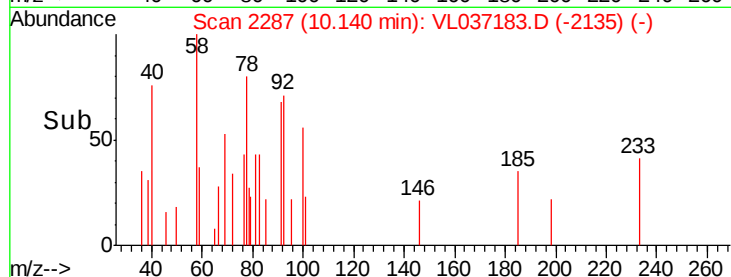
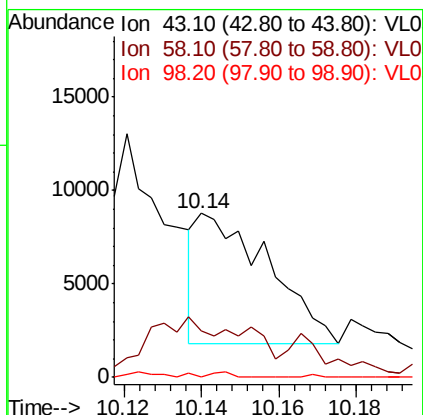
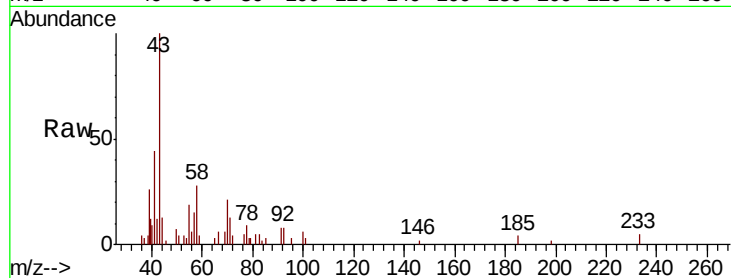




#51
2-Hexanone
Concen: 0.078 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.01 min
Lab File: VL037183.D
Acq: 16 Jun 2021 23:25

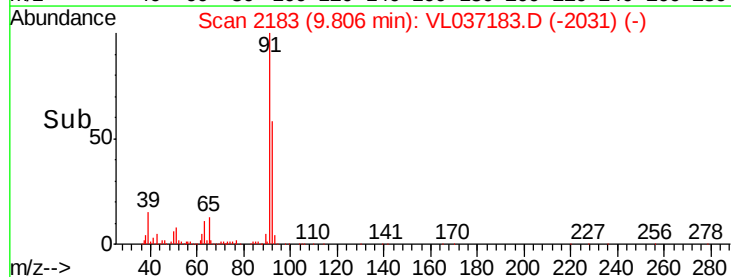
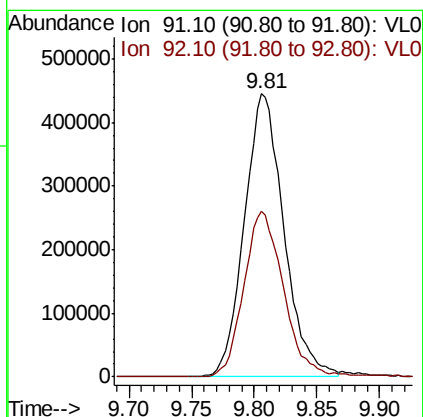
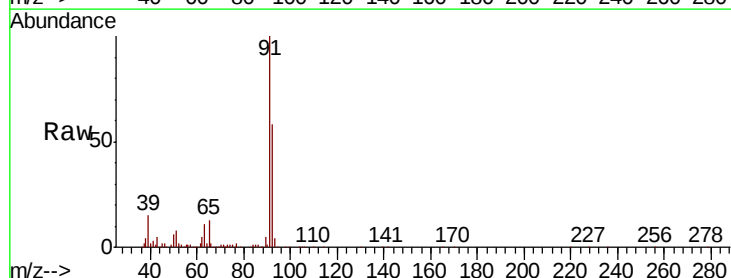
Instrument :
MSVOA_L
ClientSampled :

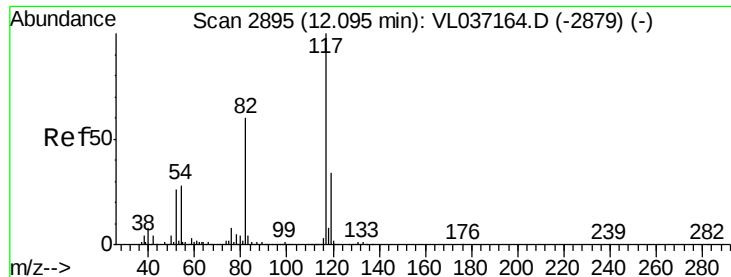
Tot Ion: 43 Resp: 9005
Ion Ratio Lower Upper
43 100
58 100.7 38.4 57.6#
98 0.0 0.3 0.5#



#53
Toluene
Concen: 2.267 ppbv
RT: 9.81 min Scan# 2183
Delta R.T. -0.01 min
Lab File: VL037183.D
Acq: 16 Jun 2021 23:25

Tgt Ion: 91 Resp: 977748
Ion Ratio Lower Upper
91 100
92 59.4 48.3 72.5

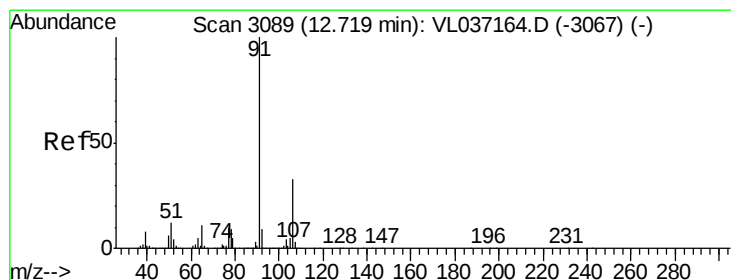
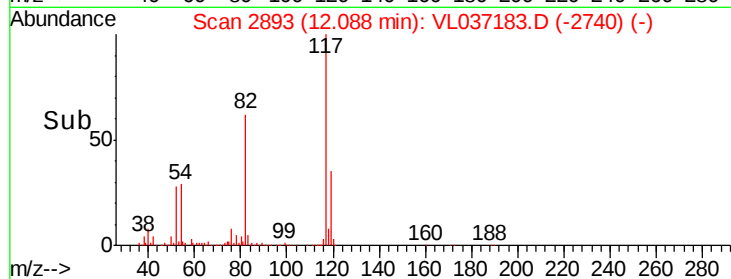
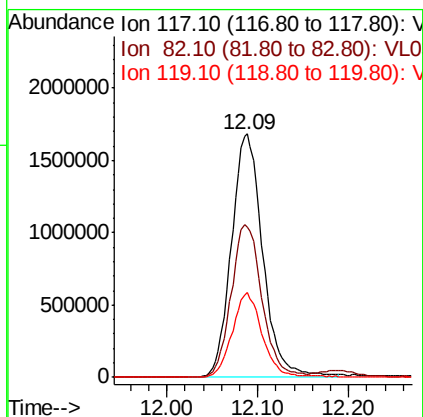
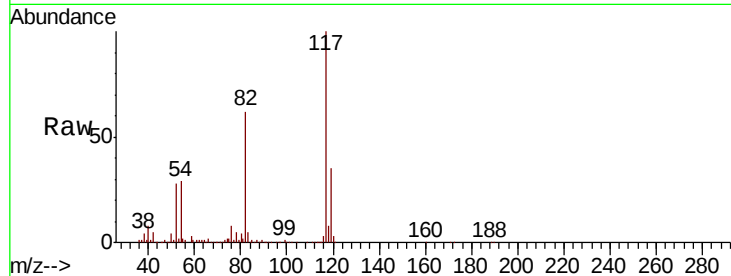




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL037183.D
Acq: 16 Jun 2021 23:25

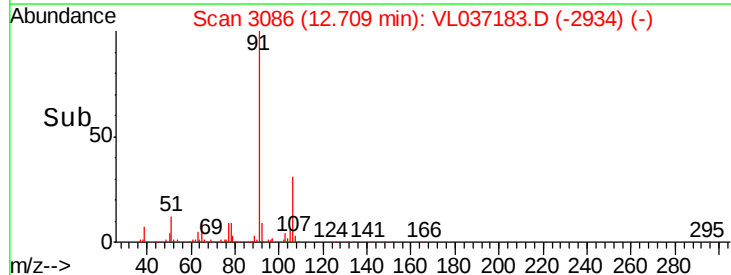
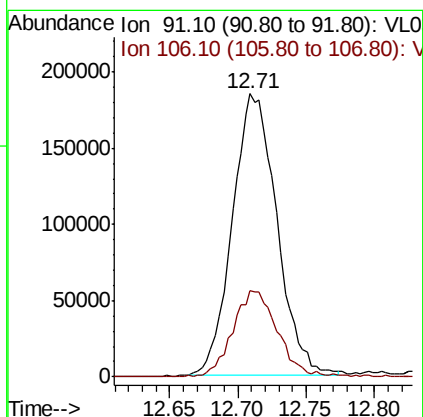
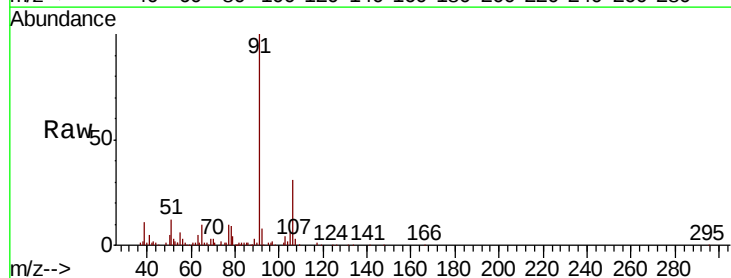
Instrument :
MSVOA_L
ClientSampleId :

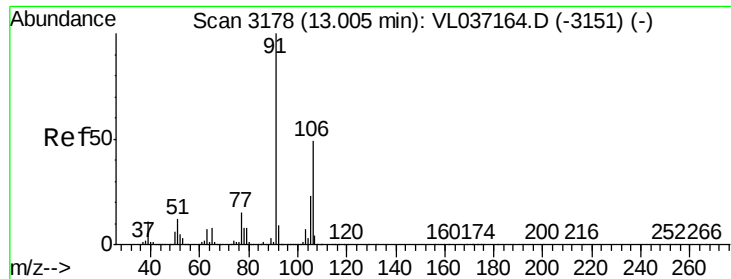
Tot Ion:117 Resp: 4036418
Ion Ratio Lower Upper
117 100
82 61.9 51.7 77.5
119 33.9 47.6 71.4#



#58
Ethyl Benzene
Concen: 0.755 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL037183.D
Acq: 16 Jun 2021 23:25

Tgt Ion: 91 Resp: 419373
Ion Ratio Lower Upper
91 100
106 30.3 26.3 39.5

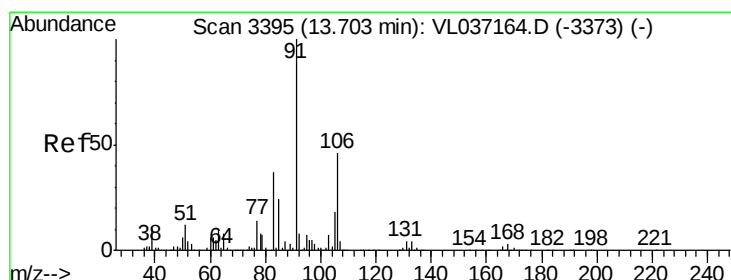
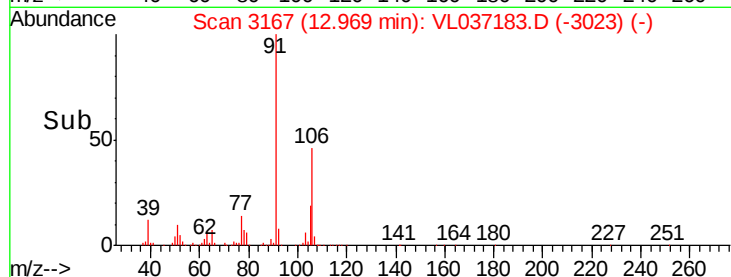
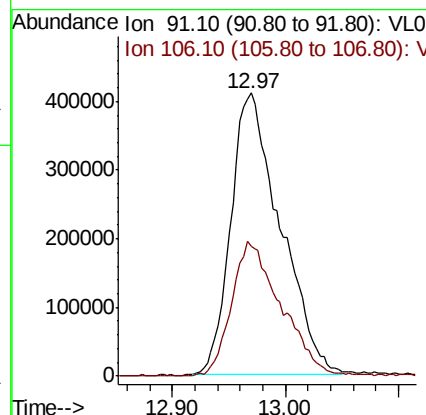
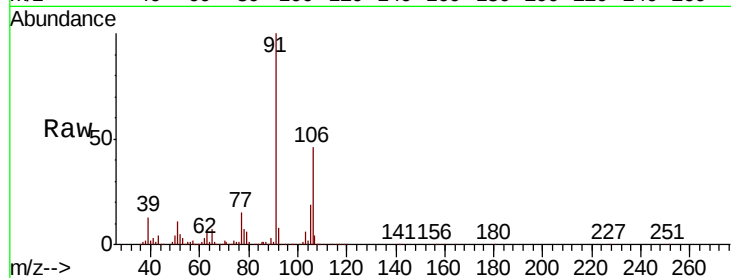




#59
m/p-Xylene
Concen: 2.659 ppbv
RT: 12.97 min Scan# 3167
Delta R.T. -0.04 min
Lab File: VL037183.D
Acq: 16 Jun 2021 23:25

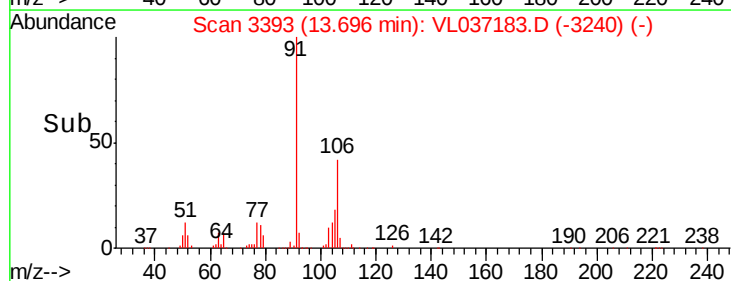
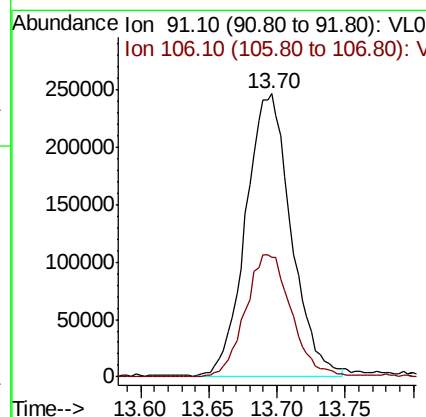
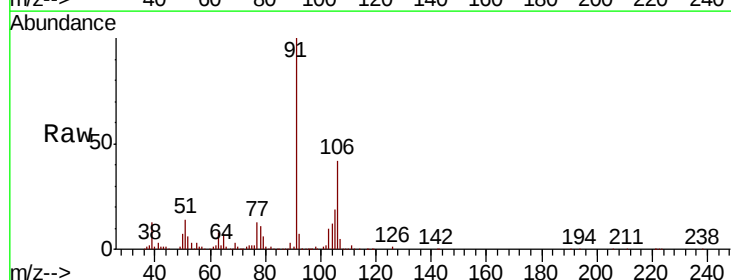
Instrument :
MSVOA_L
ClientSampleId :

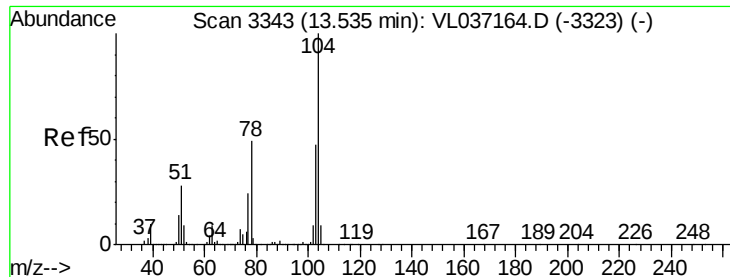
Tot Ion: 91 Resp: 1252005
Ion Ratio Lower Upper
91 100
106 48.2 37.0 55.4



#60
o-Xylene
Concen: 1.262 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL037183.D
Acq: 16 Jun 2021 23:25

Tgt Ion: 91 Resp: 565804
Ion Ratio Lower Upper
91 100
106 44.8 23.0 69.0





#61

Stvrene

Concen: 28.077 ppbv

RT: 13.53 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VL037183.D

Acq: 16 Jun 2021 23:25

Instrument :

MSVOA_L

ClientSampleId :

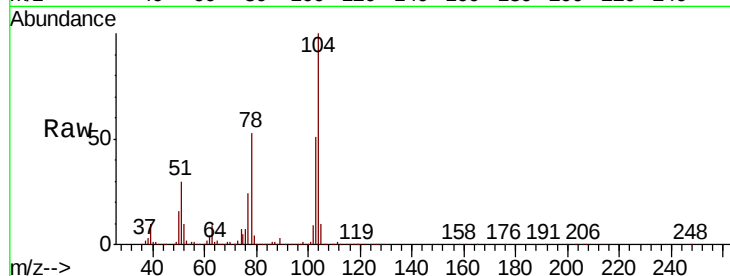
Tot Ion:104 Resp: 6497398

Ion Ratio Lower Upper

104 100

78 52.0 39.7 59.5

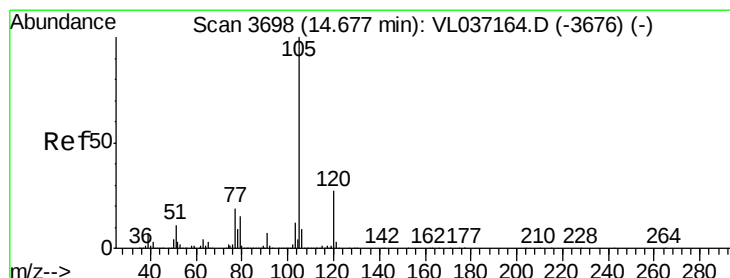
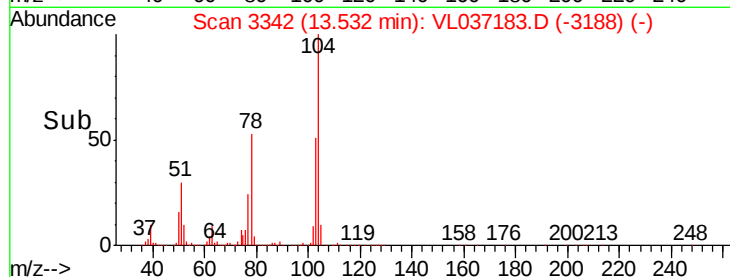
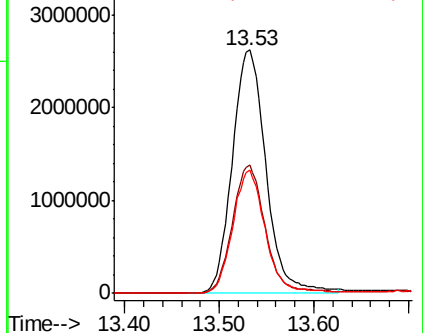
103 49.1 37.6 56.4



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: 0.115 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. -0.01 min

Lab File: VL037183.D

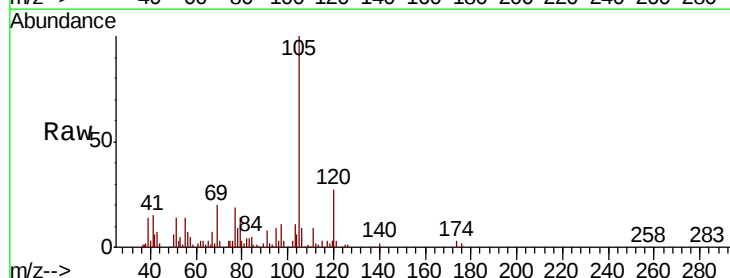
Acq: 16 Jun 2021 23:25

Tgt Ion:105 Resp: 73121

Ion Ratio Lower Upper

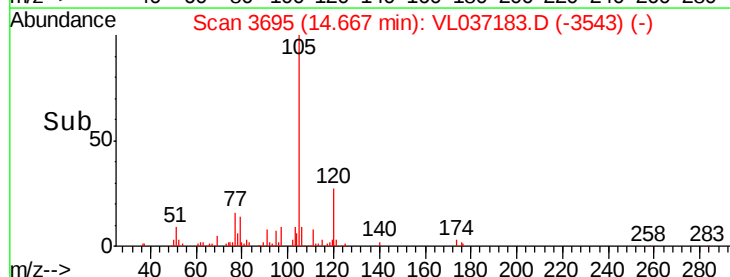
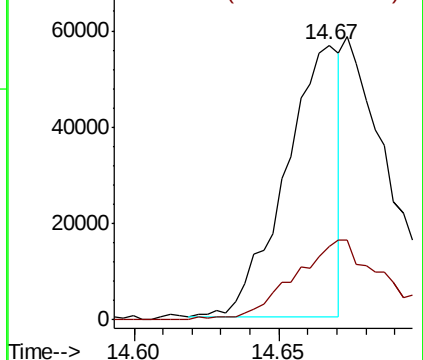
105 100

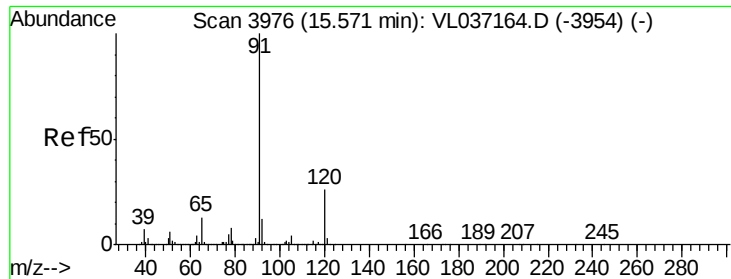
120 0.0 21.6 32.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.251 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VL037183.D

Acq: 16 Jun 2021 23:25

Instrument :

MSVOA_L

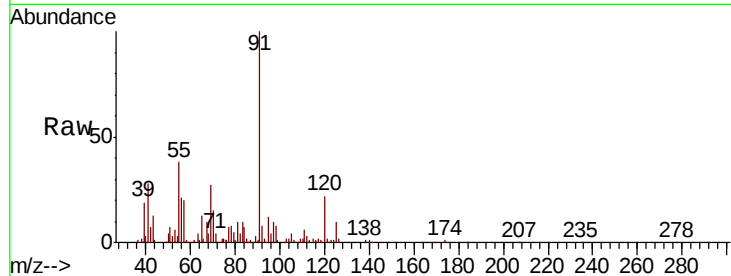
ClientSampled :

Tot Ion:120 Resp: 40154

Ion Ratio Lower Upper

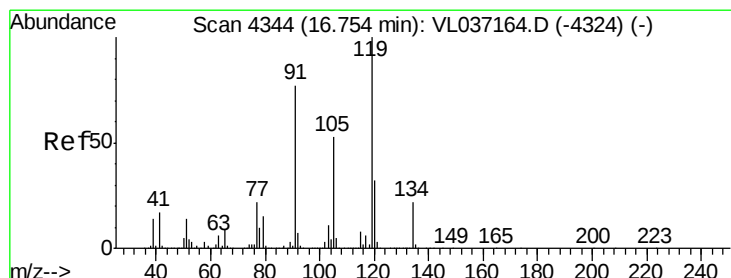
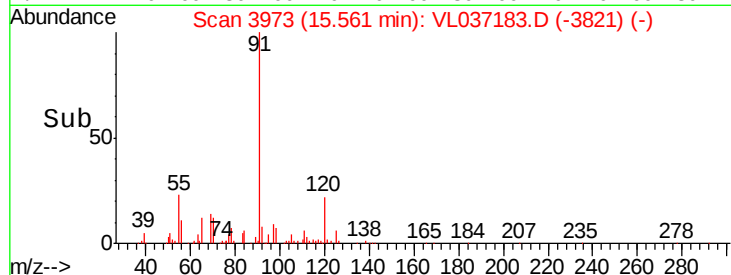
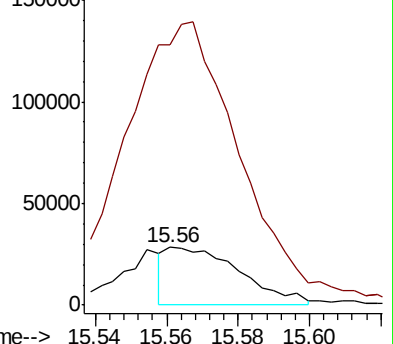
120 100

91 792.1 343.3 514.9#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.220 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.01 min

Lab File: VL037183.D

Acq: 16 Jun 2021 23:25

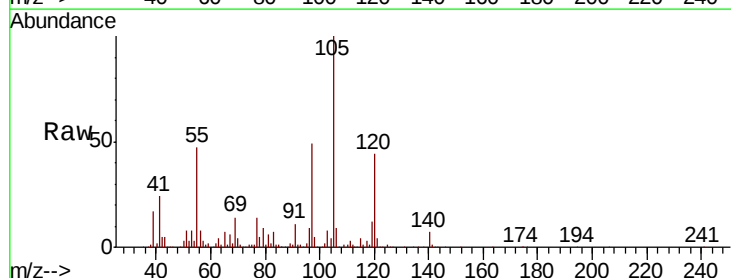
Tgt Ion:119 Resp: 124607

Ion Ratio Lower Upper

119 100

91 106.3 62.6 93.8#

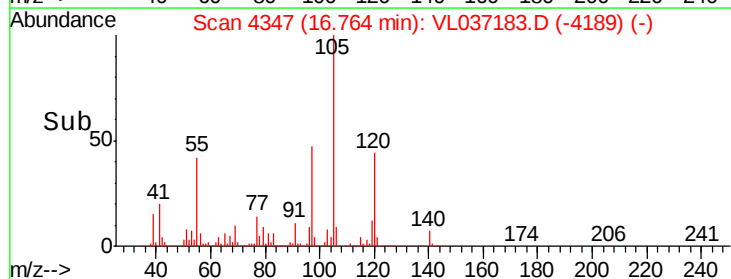
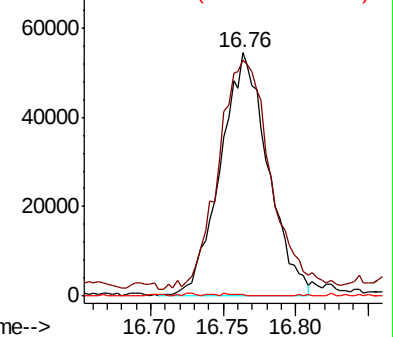
134 1.3 16.2 24.4#

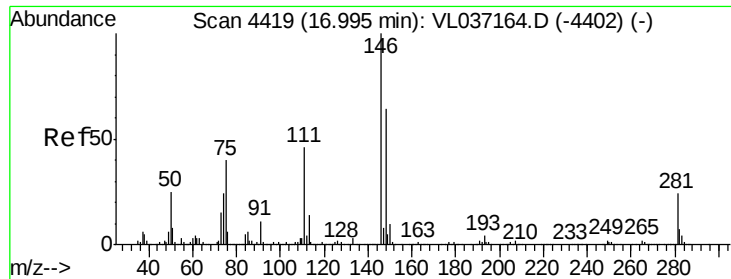


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

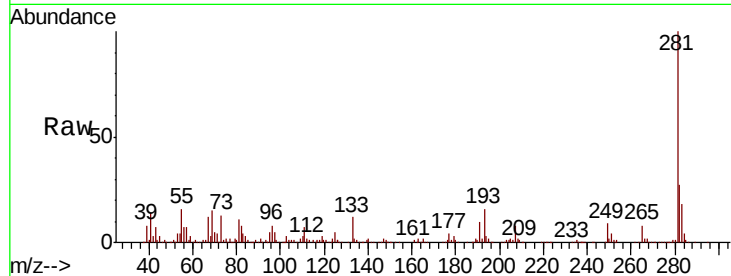




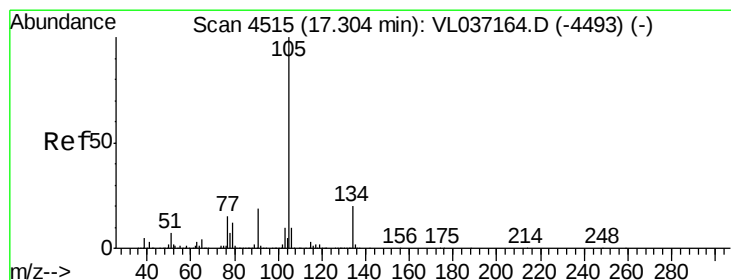
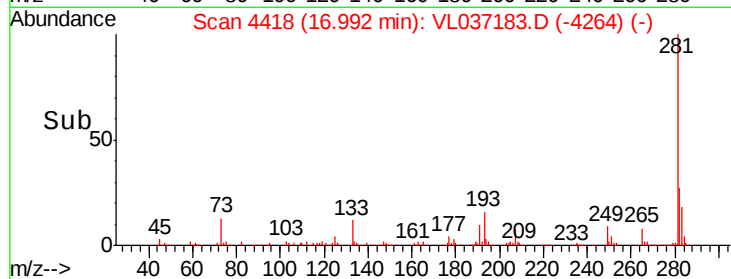
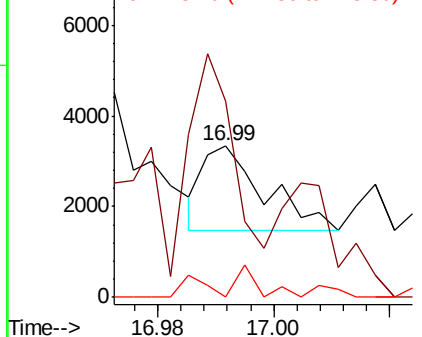
#66
Benzyl Chloride
Concen: 0.056 ppbv
RT: 16.99 min Scan# 4418
Delta R.T. -0.00 min
Lab File: VL037183.D
Acq: 16 Jun 2021 23:25

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 91 Resp: 1348
Ion Ratio Lower Upper
91 100
126 747.4 15.5 23.3#
128 33.5 5.7 8.5#

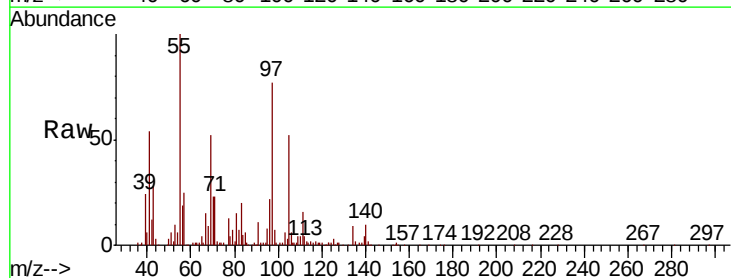


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

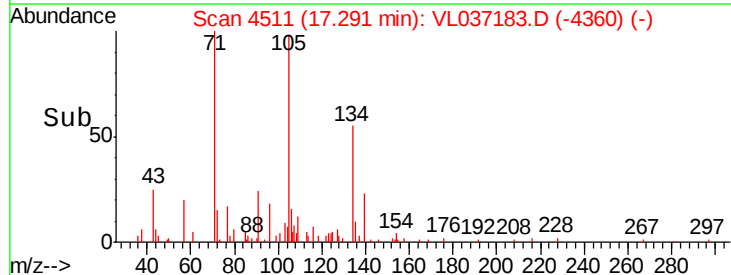
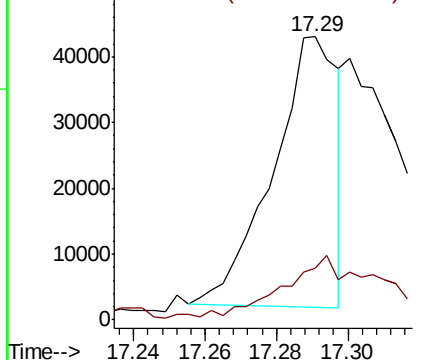


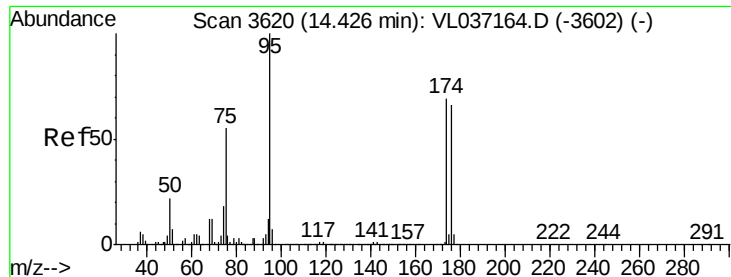
#67
sec-Butylbenzene
Concen: 0.068 ppbv
RT: 17.29 min Scan# 4511
Delta R.T. -0.01 min
Lab File: VL037183.D
Acq: 16 Jun 2021 23:25

Tgt Ion: 105 Resp: 51423
Ion Ratio Lower Upper
105 100
134 39.4 15.8 23.6#



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 134.20 (133.90 to 134.90): V

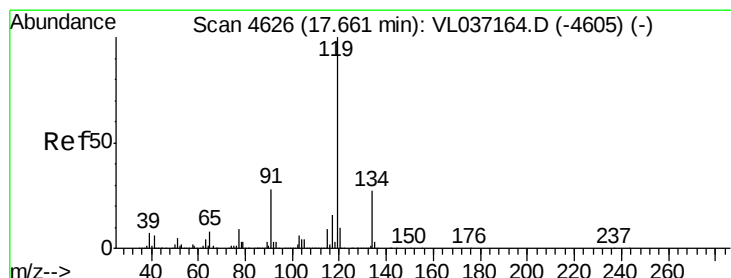
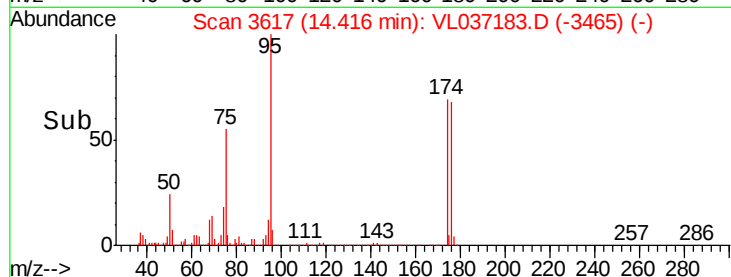
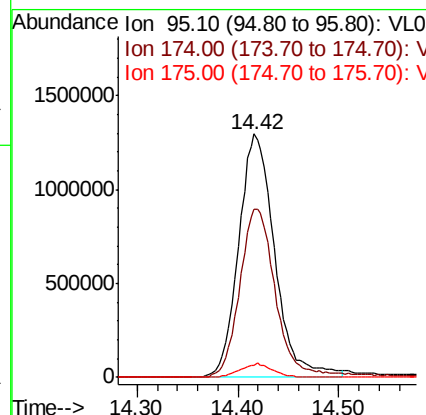
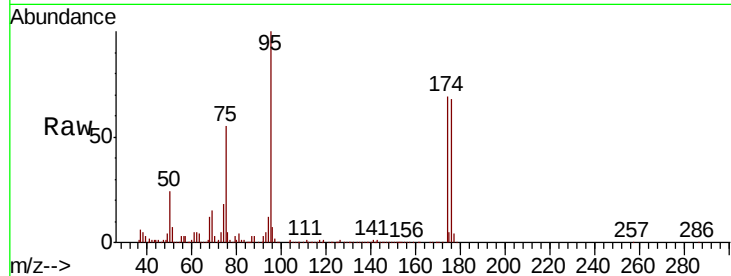




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.472 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL037183.D
 Acq: 16 Jun 2021 23:25

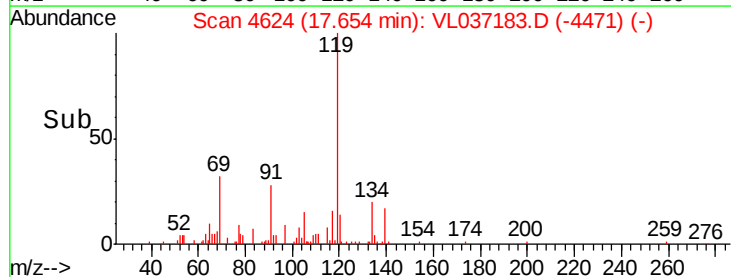
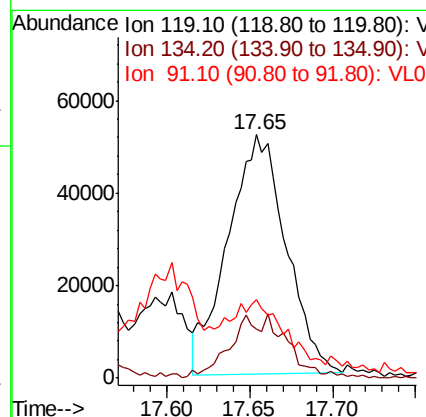
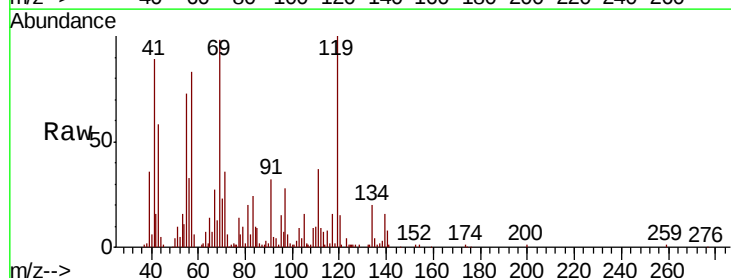
Instrument :
 MSVOA_L
 ClientSampleId :

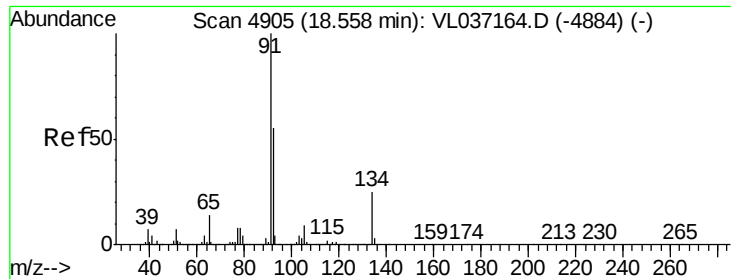
Tot Ion: 95 Resp: 3203076
 Ion Ratio Lower Upper
 95 100
 174 70.9 57.0 85.4
 175 5.3 4.4 6.6



#69
 p-Isopropyltoluene
 Concen: 0.199 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. -0.01 min
 Lab File: VL037183.D
 Acq: 16 Jun 2021 23:25

Tgt Ion: 119 Resp: 126445
 Ion Ratio Lower Upper
 119 100
 134 25.6 20.9 31.3
 91 31.8 22.6 34.0





#70

n-Butylbenzene

Concen: 0.116 ppbv

RT: 18.55 min Scan# 4902

Delta R.T. -0.01 min

Lab File: VL037183.D

Acq: 16 Jun 2021 23:25

Instrument :

MSVOA_L

ClientSampled :

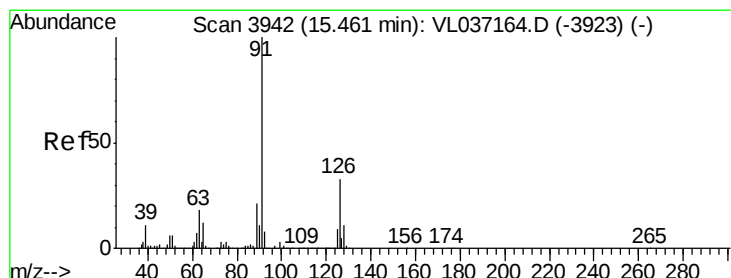
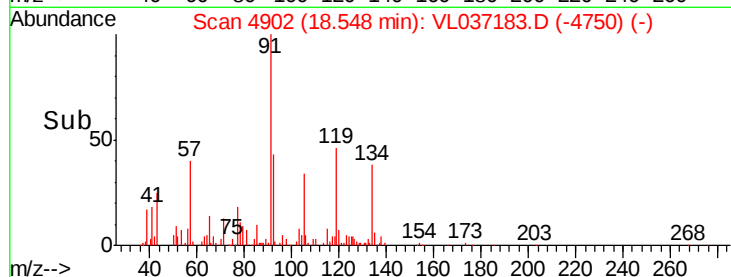
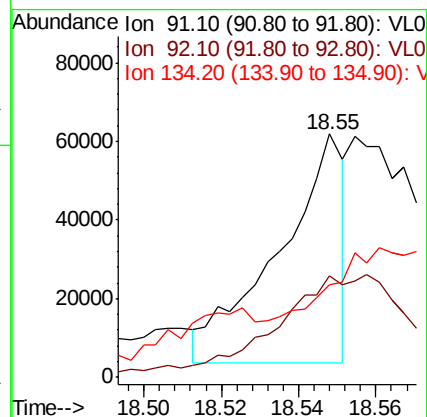
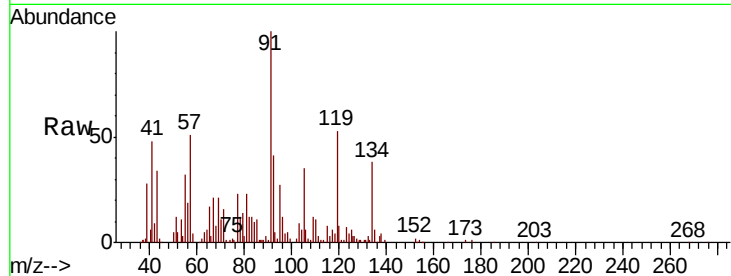
Tot Ion: 91 Resp: 68323

Ion Ratio Lower Upper

91 100

92 0.0 44.0 66.0#

134 0.0 20.2 30.4#



#71

2-Chlorotoluene

Concen: 0.087 ppbv

RT: 15.78 min Scan# 4040

Delta R.T. 0.31 min

Lab File: VL037183.D

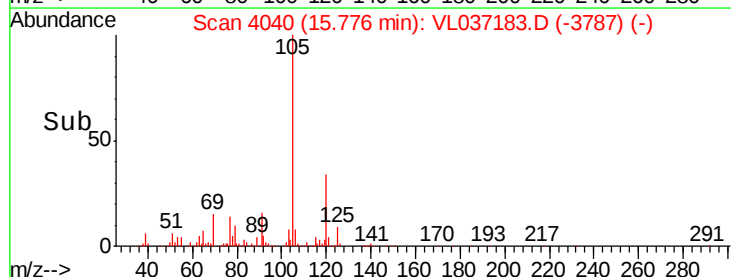
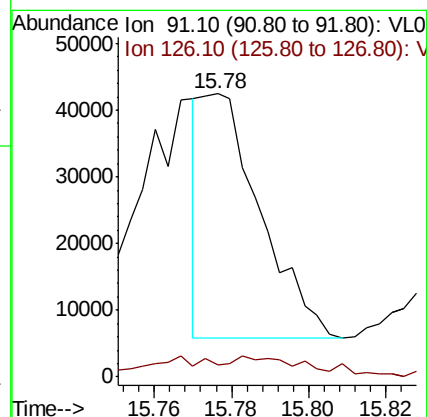
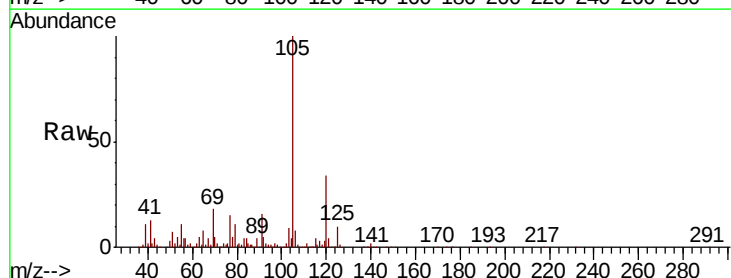
Acq: 16 Jun 2021 23:25

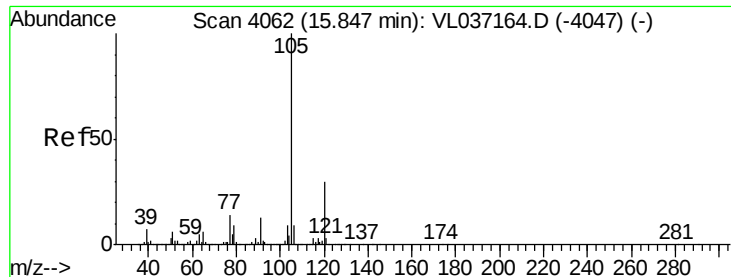
Tgt Ion: 91 Resp: 38713

Ion Ratio Lower Upper

91 100

126 22.9 13.5 54.1





#72

4-Ethyltoluene

Concen: 0.617 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. -0.01 min

Lab File: VL037183.D

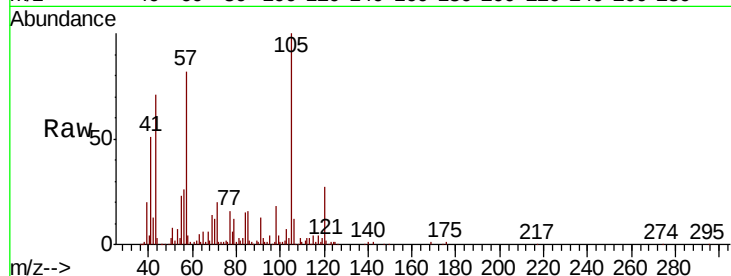
Acq: 16 Jun 2021 23:25

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	314247
Ion	Ratio	Lower	Upper
105	100		
120	30.9	24.7	37.1
91	16.1	10.2	15.4
77	15.2	11.0	16.6



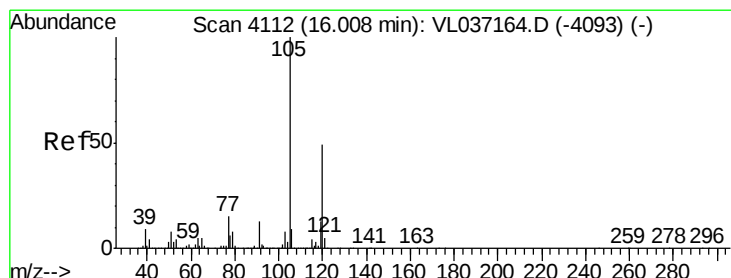
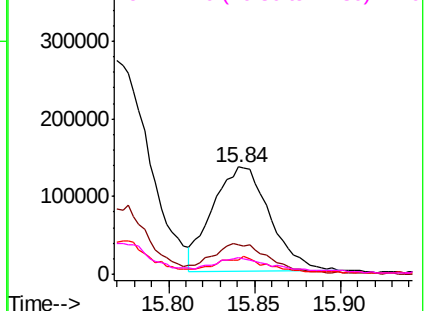
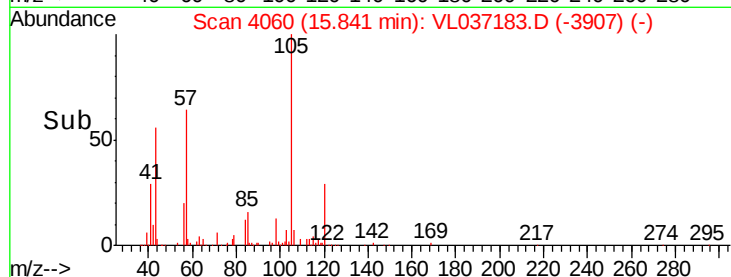
Abundance

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



#73

1,3,5-Trimethylbenzene

Concen: 0.407 ppbv

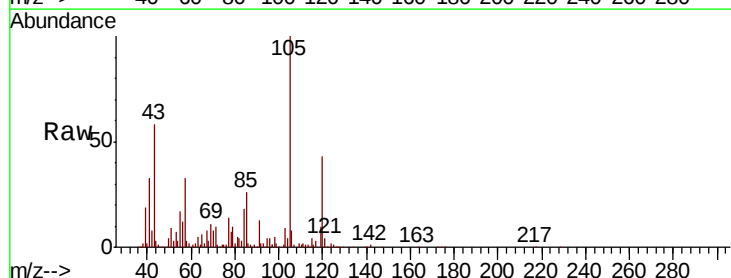
RT: 16.00 min Scan# 4108

Delta R.T. -0.01 min

Lab File: VL037183.D

Acq: 16 Jun 2021 23:25

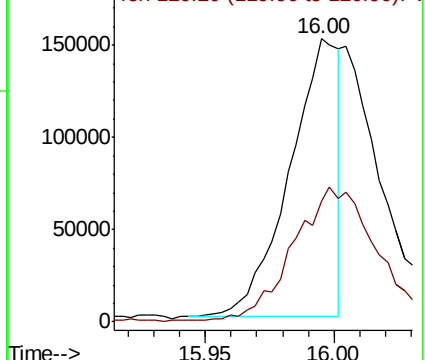
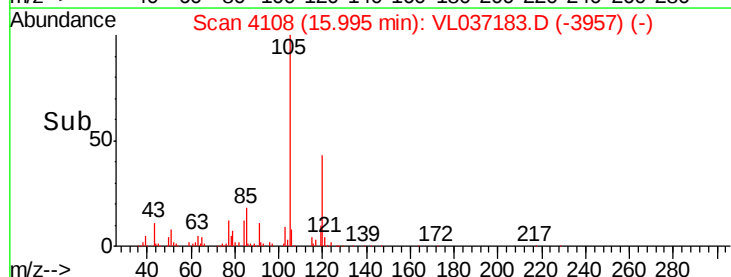
Tgt Ion:	105	Resp:	200158
Ion	Ratio	Lower	Upper
105	100		
120	42.7	39.4	59.2

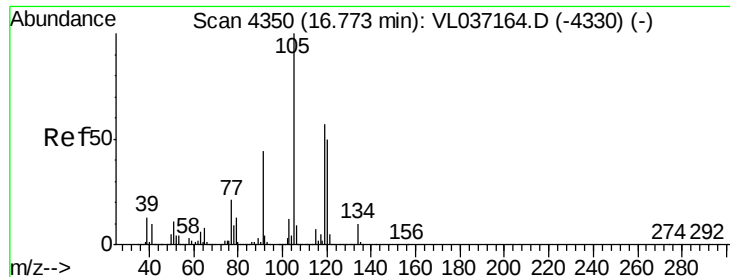


Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 2.115 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. -0.01 min

Lab File: VL037183.D

Acq: 16 Jun 2021 23:25

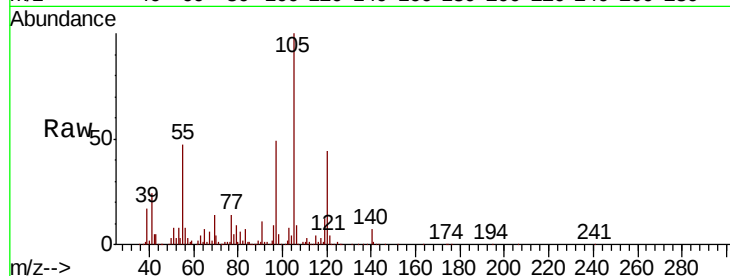
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 1073029

Ion	Ratio	Lower	Upper
105	100		
120	44.1	39.8	59.8
91	10.7	37.0	55.4#
77	13.1	17.0	25.4#

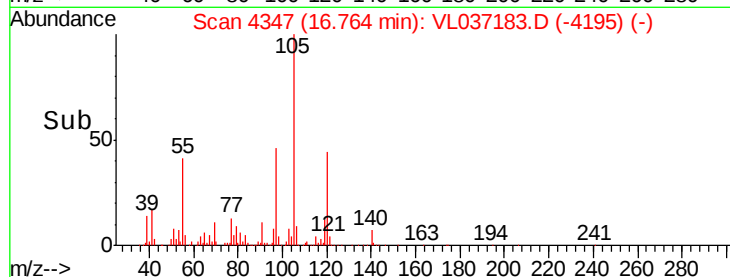


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

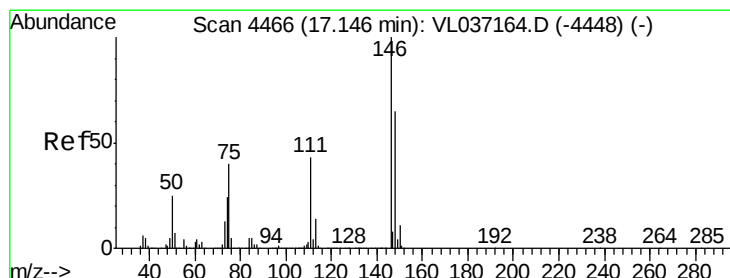
Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



Time-->

16.76



#76

1,4-Dichlorobenzene

Concen: 0.191 ppbv

RT: 17.14 min Scan# 4465

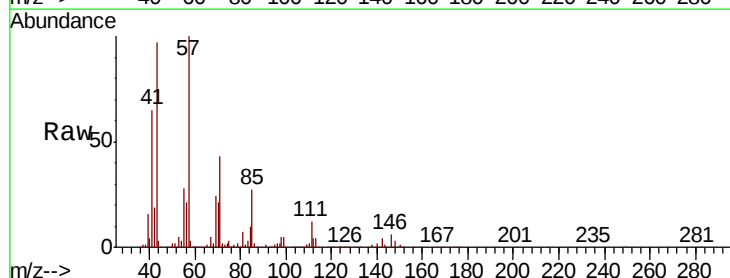
Delta R.T. -0.00 min

Lab File: VL037183.D

Acq: 16 Jun 2021 23:25

Tgt Ion:146 Resp: 58884

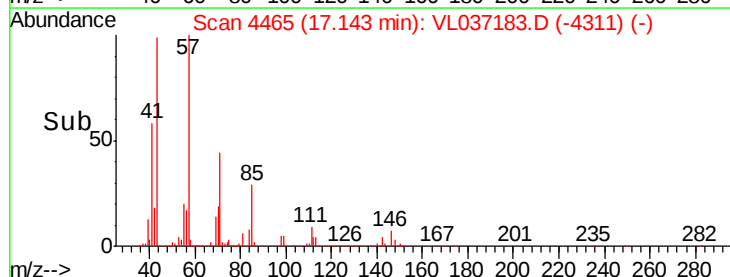
Ion	Ratio	Lower	Upper
146	100		
111	236.7	22.7	68.0#
148	67.6	33.7	101.1



Abundance Ion 146.00 (145.70 to 146.70): V

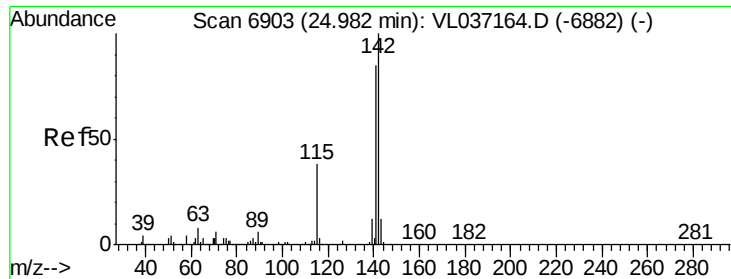
Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



Time-->

17.14



#80

Naphthalene, 2-methyl-

Concen: 0.046 ppbv

RT: 24.97 min Scan# 6899

Delta R.T. -0.01 min

Lab File: VL037183.D

Acq: 16 Jun 2021 23:25

Instrument :

MSVOA_L

ClientSampleId :

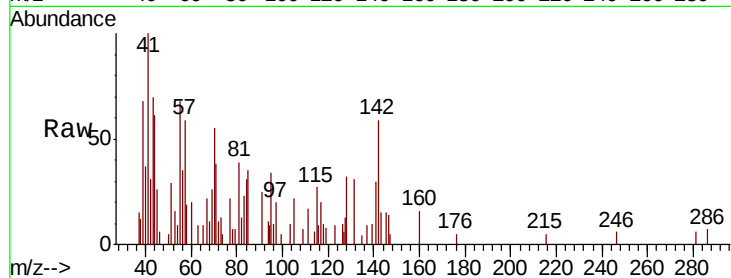
Tot Ion:142 Resp: 5058

Ion Ratio Lower Upper

142 100

141 71.3 63.7 95.5

115 52.0 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

