

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037186.D
 Acq On : 17 Jun 2021 1:30
 Operator : SY/AP
 Sample : M2721-03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 17 04:42:40 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	1563129	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4609919	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4159495	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3270834	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	61541	0.226	ppbv 99
3) Chlorodifluoromethane	2.96	51	8986009	29.564	ppbv # 57
4) Chloromethane	3.14	50	54661	0.540	ppbv 95
9) Propene	3.20	41	1282700	13.199	ppbv 100
10) Heptane	8.12	43	78941	0.335	ppbv 97
11) Trichlorofluoromethane	3.95	101	55446	0.191	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	7882	0.039	ppbv # 45
13) Ethanol	3.61	45	3250472	216.212	ppbv 47
15) Acetone	3.84	43	5689052	32.275	ppbv 91
16) 1,3-Butadiene	3.30	39	24910	0.239	ppbv # 34
17) tert-Butyl alcohol	4.30	59	761372	4.673	ppbv 96
19) Isopropyl Alcohol	3.98	45	791457	7.413	ppbv # 1
20) Methylene Chloride	4.34	84	917176	8.691	ppbv 98
21) Allyl Chloride	4.34	41	46974	0.354	ppbv # 18
23) Vinyl Acetate	5.06	43	142737	0.565	ppbv # 14
25) Ethyl Acetate	5.67	43	5590120	14.649	ppbv 98
26) Hexane	5.69	57	2122742	11.006	ppbv # 79
27) Carbon Disulfide	4.55	76	48550	0.257	ppbv # 76
29) Chloroform	5.75	83	14573	0.049	ppbv 88
30) Cyclohexane	7.13	84	383352	2.386	ppbv # 84
31) cis-1,2-Dichloroethene	5.67	61	559208	3.155	ppbv # 23
34) 2-Butanone	5.24	43	924057	5.154	ppbv 99
36) Benzene	6.89	78	53932	0.145	ppbv # 86
37) 1,2-Dichloroethane	6.31	62	11542	0.053	ppbv # 66
39) 1,2-Dichloropropane	7.18	63	1095357	7.908	ppbv # 23
41) Tetrahydrofuran	6.06	42	63400	0.761	ppbv # 66
44) 2,2,4-Trimethylpentane	7.86	57	97958	0.156	ppbv # 66
51) 2-Hexanone	10.28	43	9472	0.079	ppbv # 24
53) Toluene	9.81	91	1070183	2.403	ppbv 98
58) Ethyl Benzene	12.71	91	449947	0.786	ppbv 94
59) m/p-Xylene	12.97	91	1359029	2.801	ppbv 98
60) o-Xylene	13.69	91	590404	1.278	ppbv 98
61) Styrene	13.53	104	6892715	28.904	ppbv 97
62) Isopropylbenzene	14.67	105	69521	0.106	ppbv # 40
64) n-propylbenzene	15.57	120	73209	0.445	ppbv 79
65) tert-Butylbenzene	16.76	119	83430	0.143	ppbv # 12
66) Benzyl Chloride	16.97	91	1653	0.067	ppbv # 1
67) sec-Butylbenzene	17.30	105	110758	0.143	ppbv 95
69) p-Isopropyltoluene	17.54	119	143364	0.218	ppbv 94
70) n-Butylbenzene	18.55	91	55368	0.091	ppbv # 32
71) 2-Chlorotoluene	15.78	91	40648	0.088	ppbv 81

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QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration

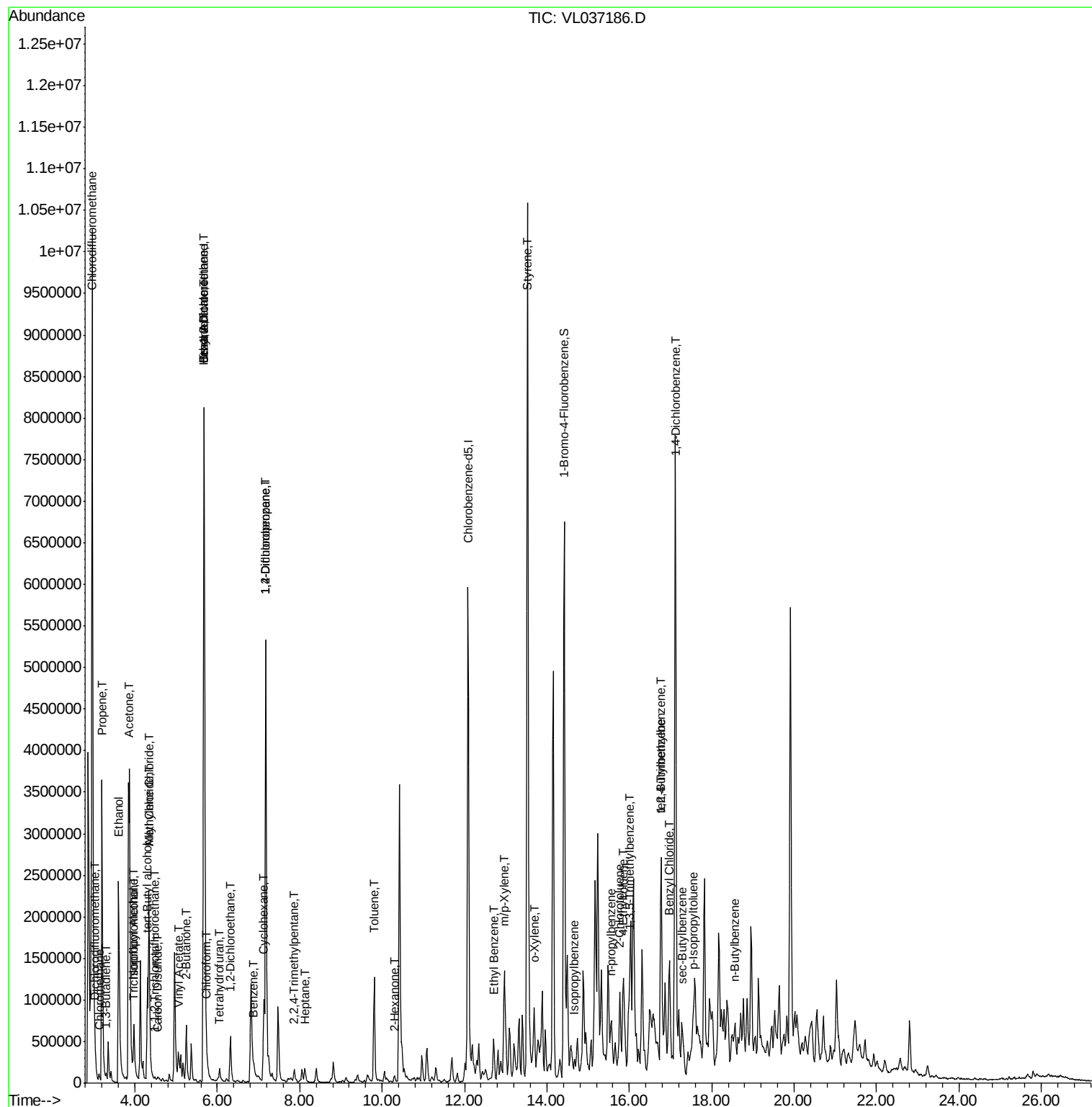
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Ethyltoluene	15.84	105	336610	0.641	ppbv	97
73) 1,3,5-Trimethylbenzene	16.00	105	175554	0.346	ppbv	94
74) 1,2,4-Trimethylbenzene	16.77	105	1153636	2.207	ppbv #	73
76) 1,4-Dichlorobenzene	17.13	146	61416	0.193	ppbv #	1

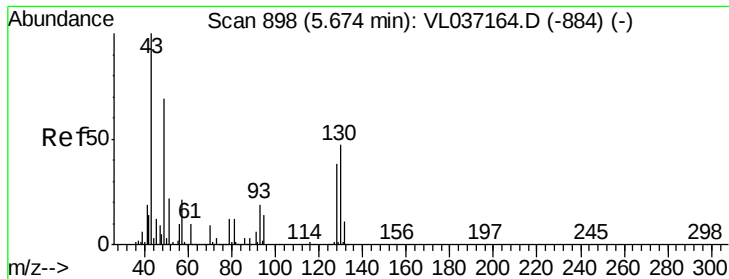
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL061621\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL037186.D

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MSVOA_L

ClientSampleId :

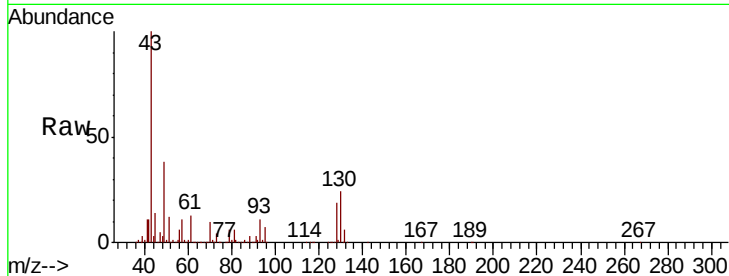
Tot Ion: 49 Resp: 1563129

Ion Ratio Lower Upper

49 100

128 54.0 29.3 88.0

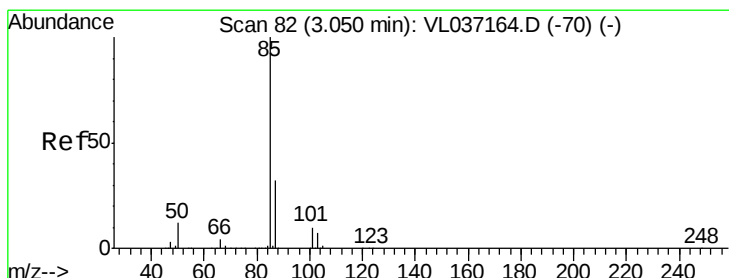
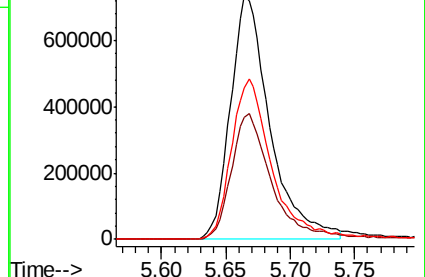
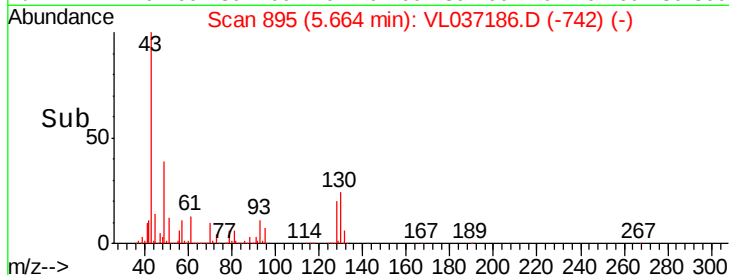
130 69.4 35.9 107.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.226 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL037186.D

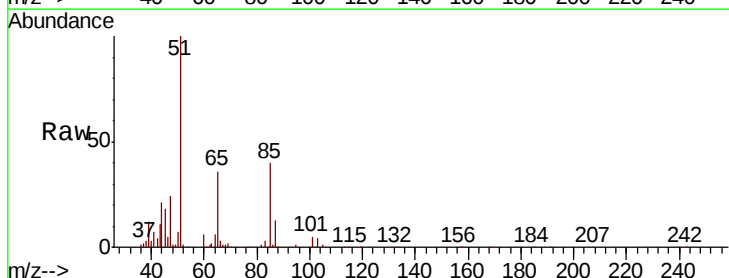
Acq: 17 Jun 2021 1:30

Tgt Ion: 85 Resp: 61541

Ion Ratio Lower Upper

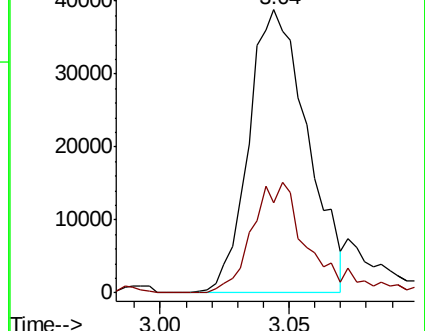
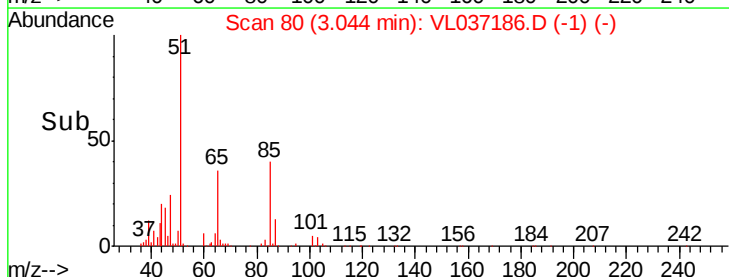
85 100

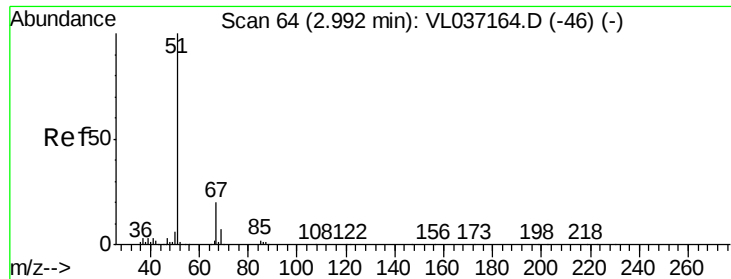
87 31.8 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

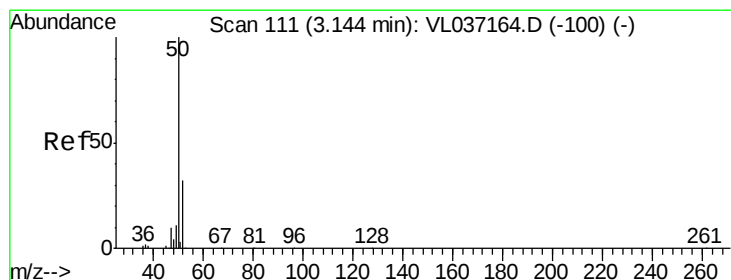
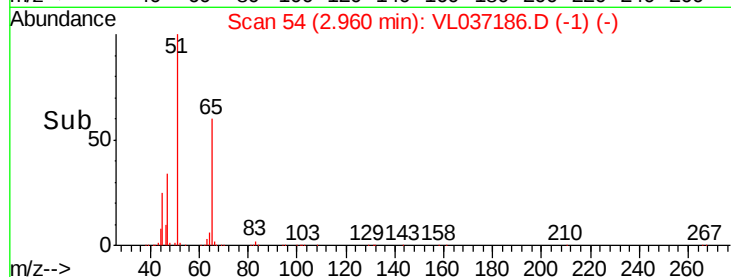
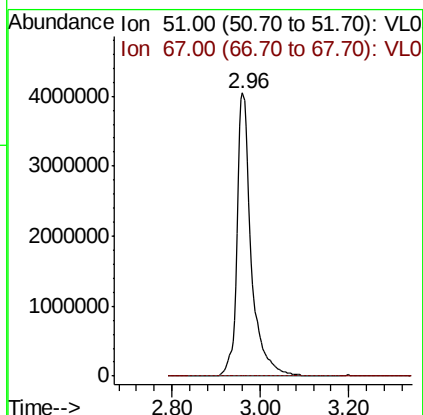
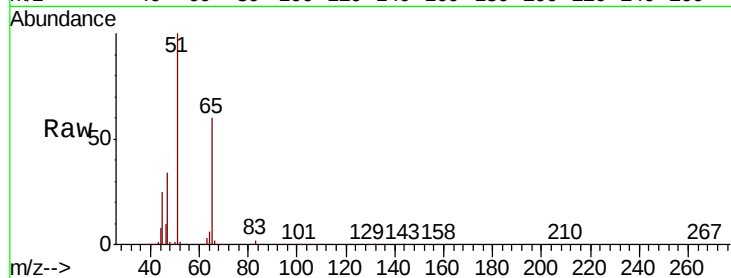




#3
Chlorodifluoromethane
Concen: 29.564 ppbv
RT: 2.96 min Scan# 54
Delta R.T. -0.03 min
Lab File: VL037186.D
Acq: 17 Jun 2021 1:30

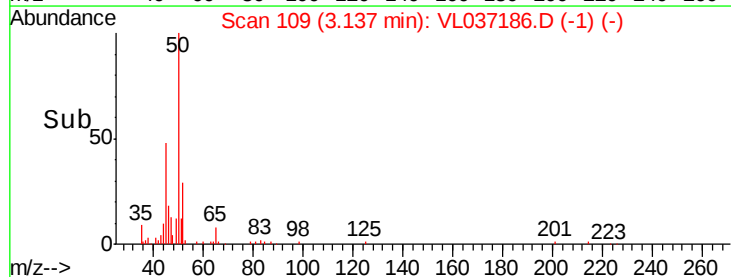
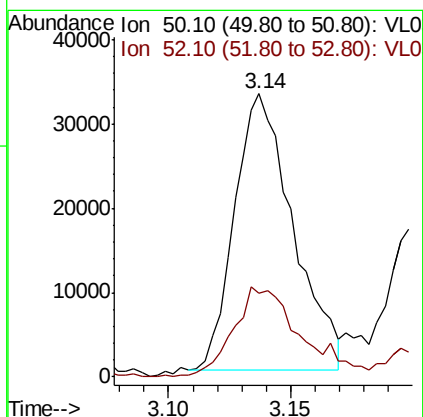
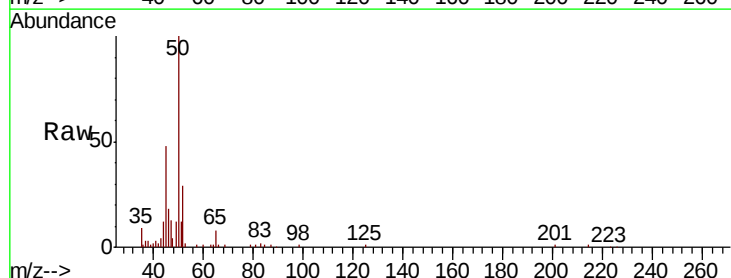
Instrument :
MSVOA_L
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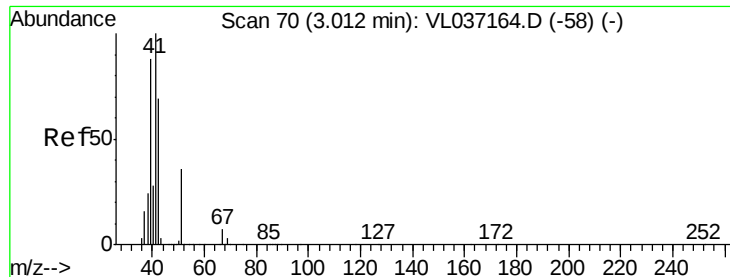
Tot Ion: 51 Resp: 8986009
Ion Ratio Lower Upper
51 100
67 0.2 15.8 23.6#



#4
Chloromethane
Concen: 0.540 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.01 min
Lab File: VL037186.D
Acq: 17 Jun 2021 1:30

Tgt Ion: 50 Resp: 54661
Ion Ratio Lower Upper
50 100
52 29.5 25.8 38.8





#9

Propene

Concen: 13.199 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.19 min

Lab File: VL037186.D

Acq: 17 Jun 2021 1:30

Instrument :

MSVOA_L

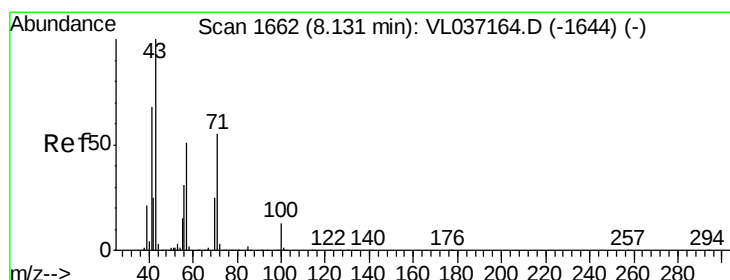
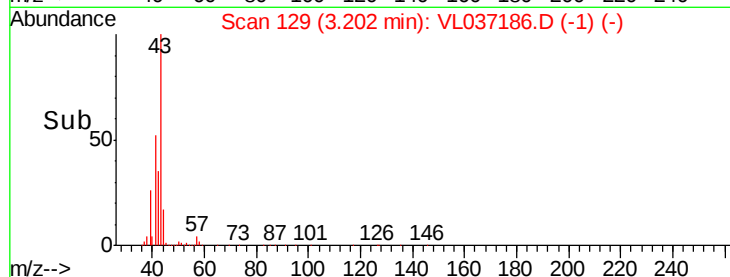
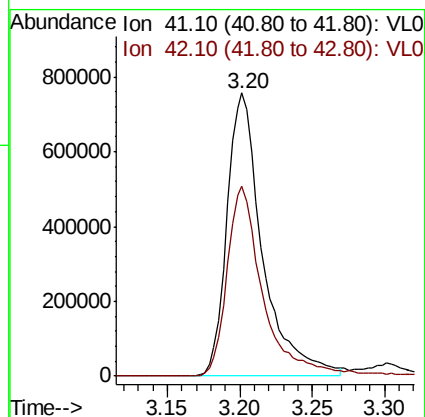
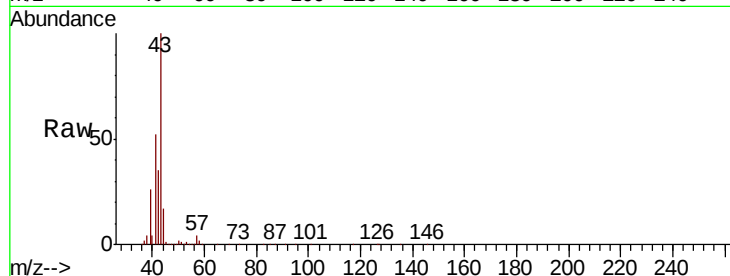
ClientSampleId :

Tot Ion: 41 Resp: 1282700

Ion Ratio Lower Upper

41 100

42 68.4 54.5 81.7



#10

Heptane

Concen: 0.335 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL037186.D

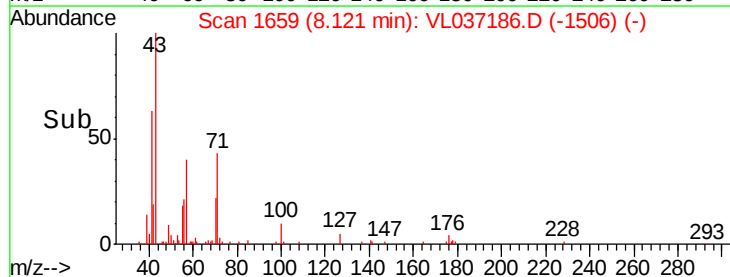
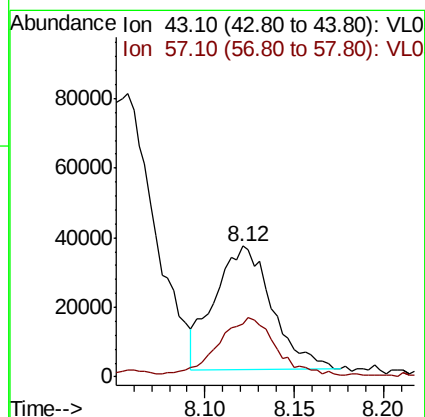
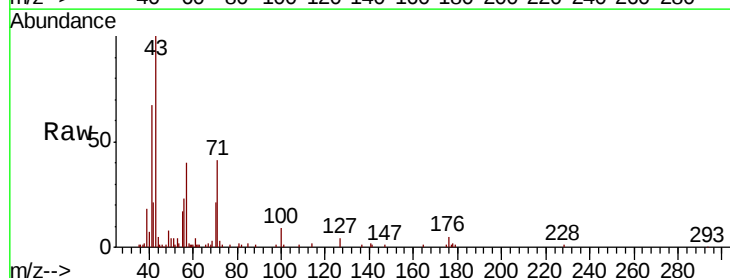
Acq: 17 Jun 2021 1:30

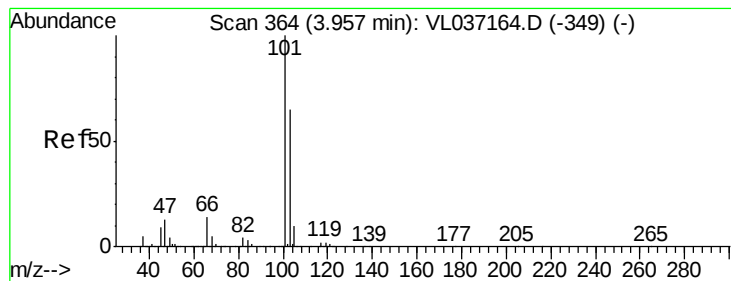
Tgt Ion: 43 Resp: 78941

Ion Ratio Lower Upper

43 100

57 52.9 40.6 61.0





#11

Trichlorofluoromethane

Concen: 0.191 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL037186.D

Acq: 17 Jun 2021 1:30

Instrument :

MSVOA_L

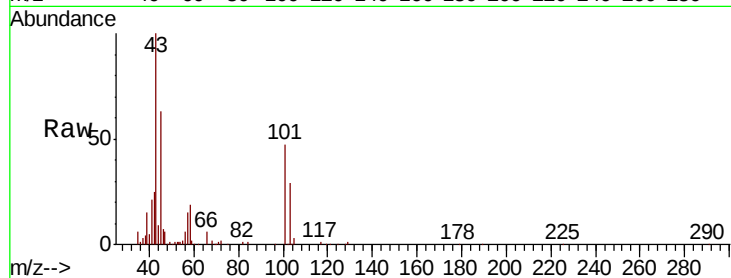
ClientSampleId :

Tot Ion:101 Resp: 55446

Ion Ratio Lower Upper

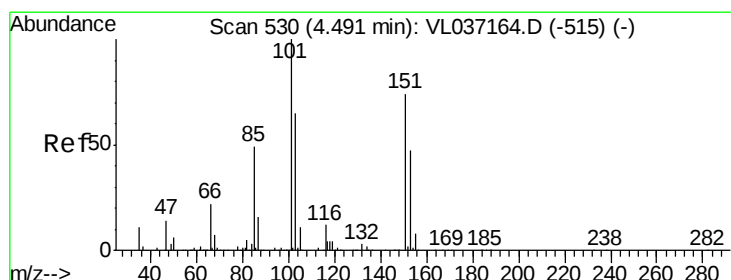
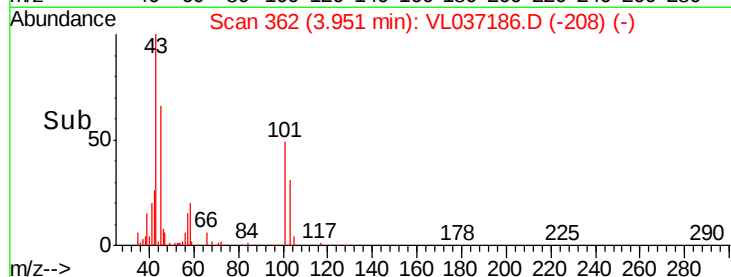
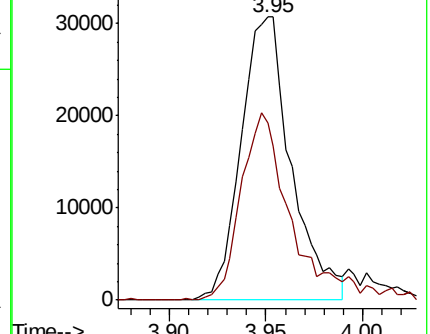
101 100

103 62.5 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.039 ppbv

RT: 4.48 min Scan# 527

Delta R.T. -0.01 min

Lab File: VL037186.D

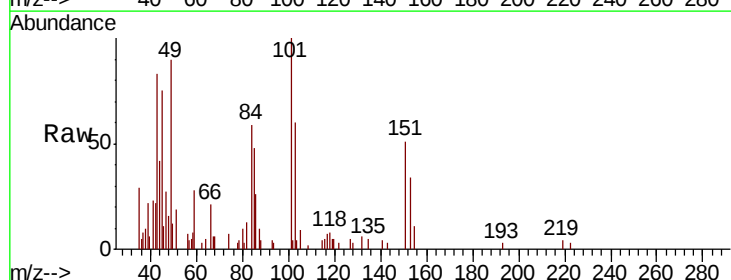
Acq: 17 Jun 2021 1:30

Tgt Ion:101 Resp: 7882

Ion Ratio Lower Upper

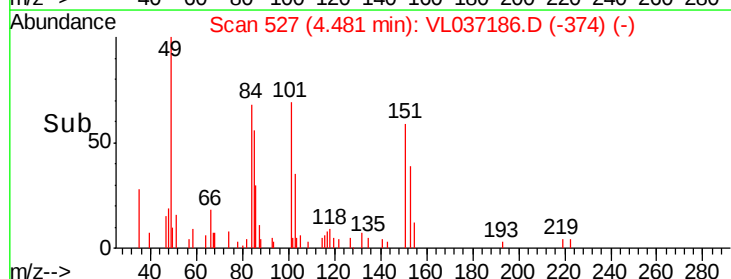
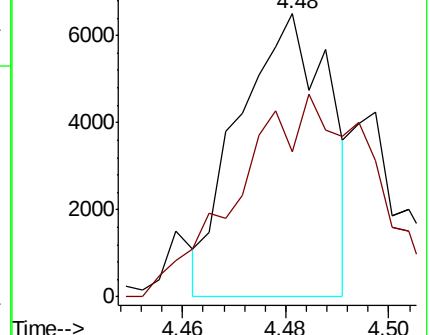
101 100

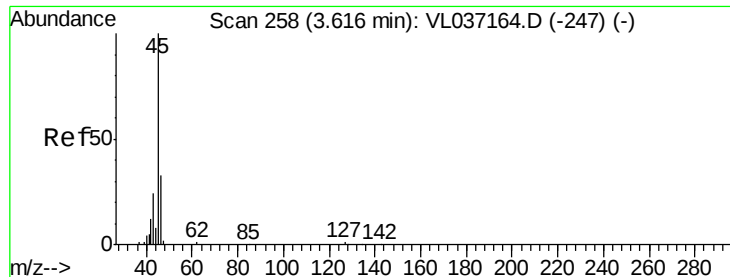
151 120.7 59.1 88.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

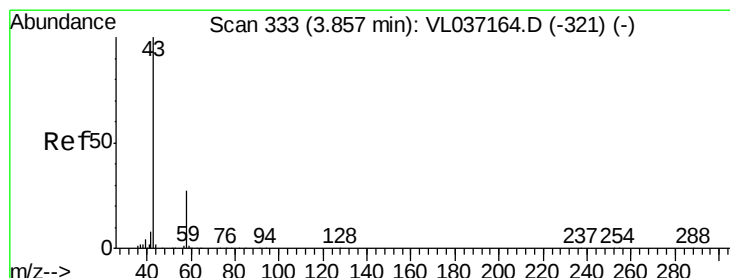
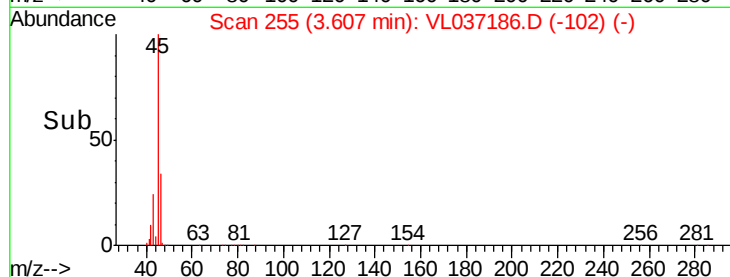
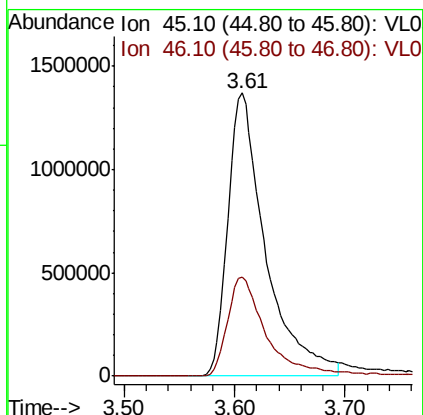
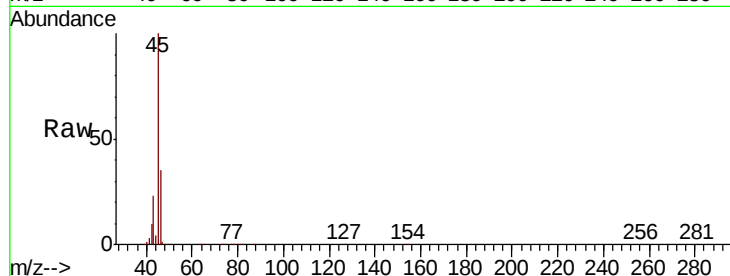




#13
Ethanol
Concen: 216.212 ppbv
RT: 3.61 min Scan# 255
Delta R.T. -0.01 min
Lab File: VL037186.D
Acq: 17 Jun 2021 1:30

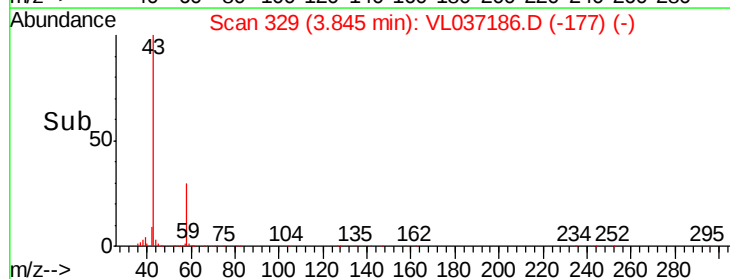
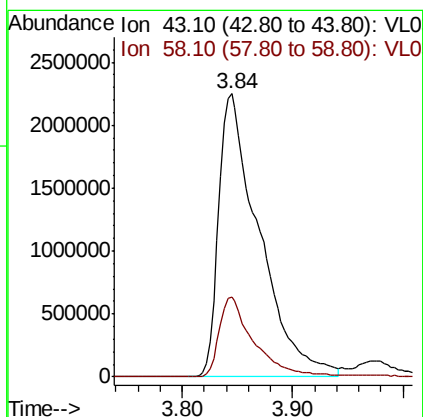
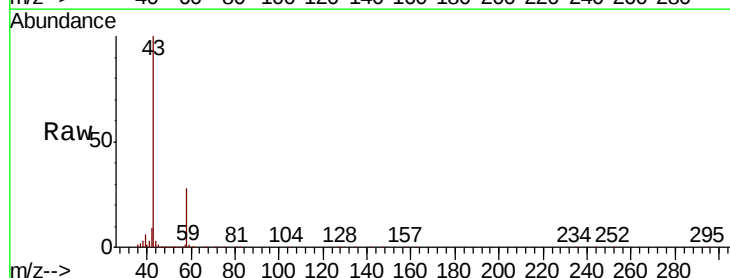
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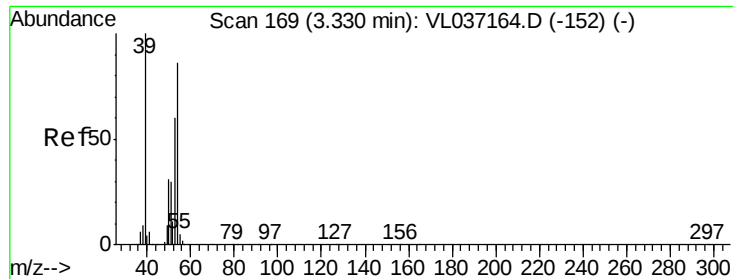
Tot Ion: 45 Resp: 3250472
Ion Ratio Lower Upper
45 100
46 36.9 34.2 137.0



#15
Acetone
Concen: 32.275 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL037186.D
Acq: 17 Jun 2021 1:30

Tgt Ion: 43 Resp: 5689052
Ion Ratio Lower Upper
43 100
58 24.5 23.7 35.5

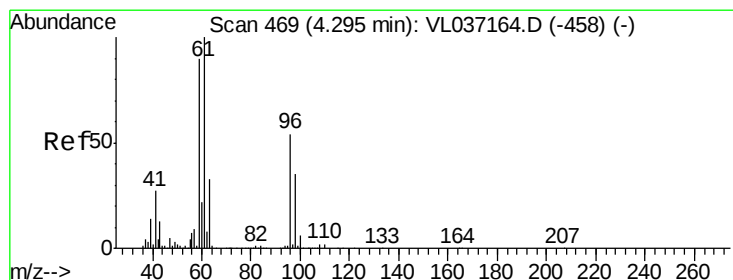
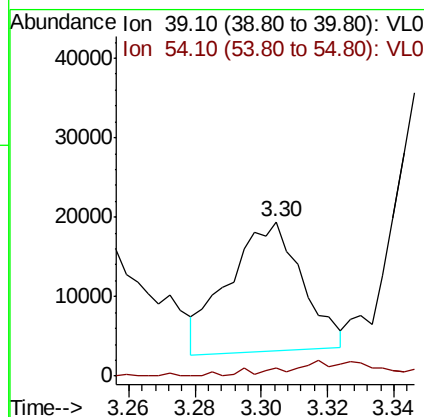
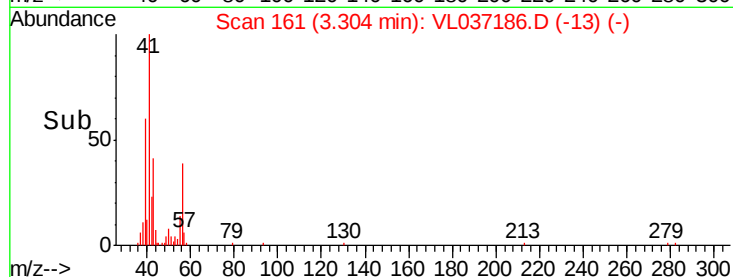
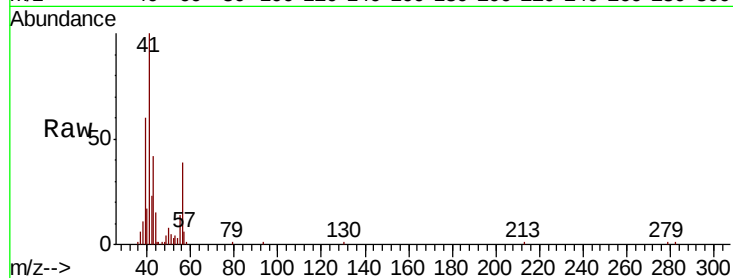




#16
1,3-Butadiene
Concen: 0.239 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.03 min
Lab File: VL037186.D
Acq: 17 Jun 2021 1:30

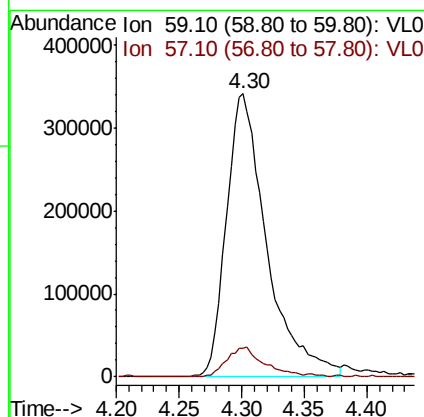
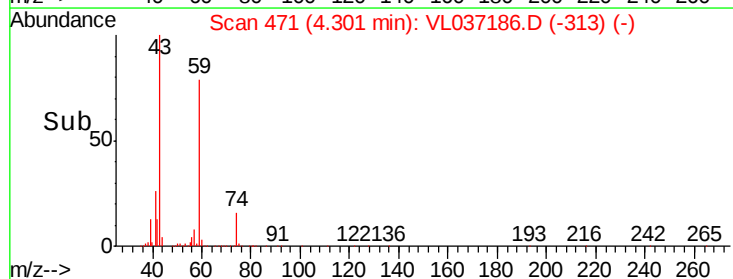
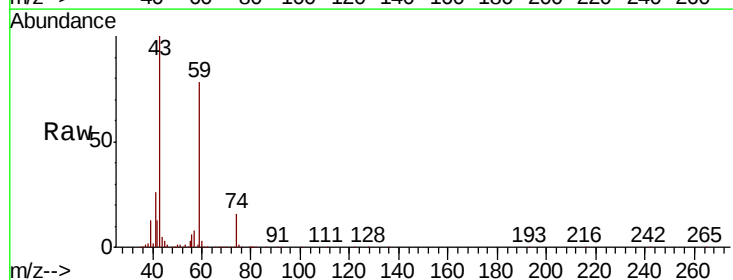
Instrument :
MSVOA_L
ClientSampleId :

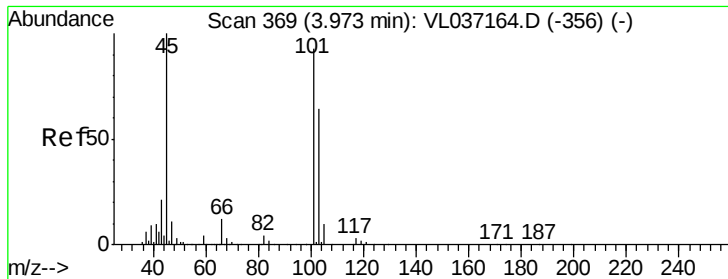
Tot Ion: 39 Resp: 24910
Ion Ratio Lower Upper
39 100
54 19.6 61.2 91.8#



#17
tert-Butyl alcohol
Concen: 4.673 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL037186.D
Acq: 17 Jun 2021 1:30

Tgt Ion: 59 Resp: 761372
Ion Ratio Lower Upper
59 100
57 9.6 8.8 13.2



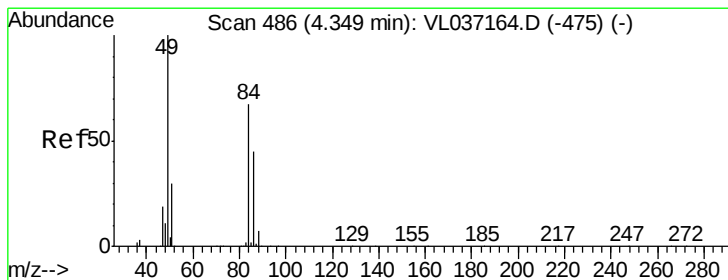
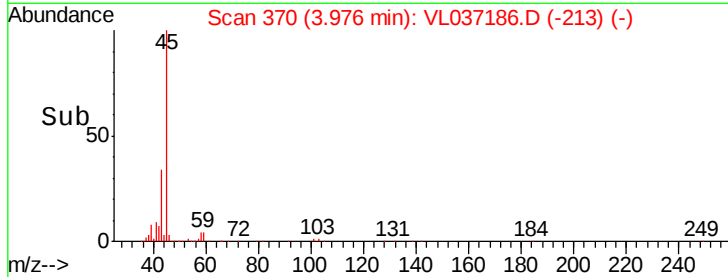
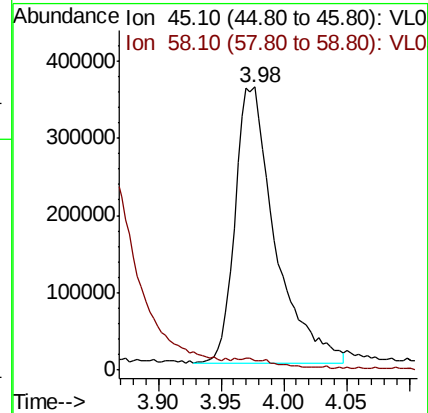
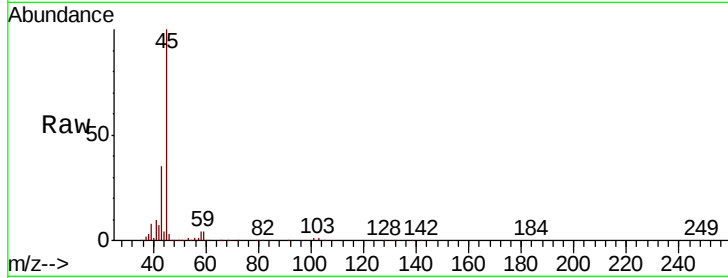


#19

Isopropyl Alcohol
 Concen: 7.413 ppbv
 RT: 3.98 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: VL037186.D
 Acq: 17 Jun 2021 1:30

Instrument :
 MSVOA_L
 ClientSampleId :

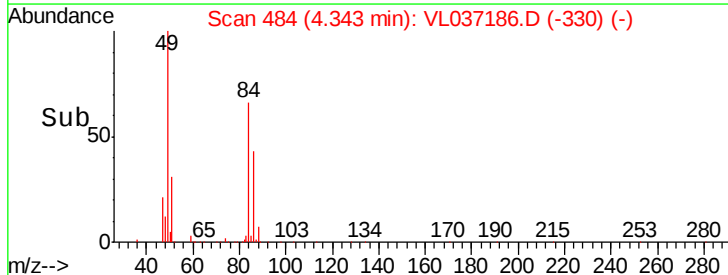
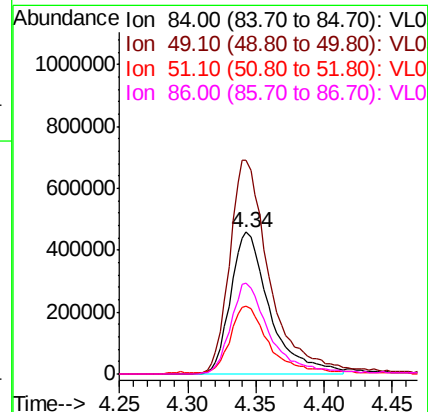
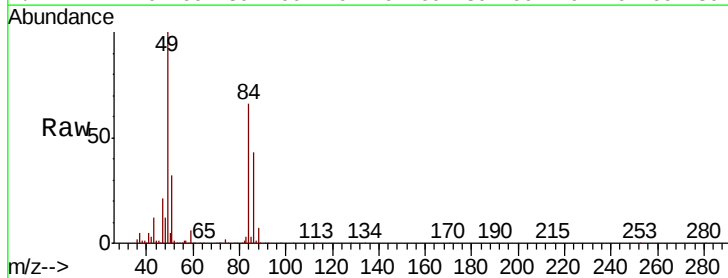
Tot Ion: 45 Resp: 791457
 Ion Ratio Lower Upper
 45 100
 58 176.3 2.4 3.6#

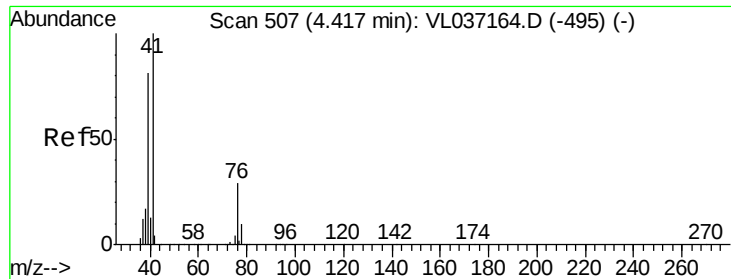


#20

Methylene Chloride
 Concen: 8.691 ppbv
 RT: 4.34 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: VL037186.D
 Acq: 17 Jun 2021 1:30

Tgt Ion: 84 Resp: 917176
 Ion Ratio Lower Upper
 84 100
 49 150.5 119.7 179.5
 51 46.9 36.1 54.1
 86 64.5 53.7 80.5





#21

Allvl Chloride

Concen: 0.354 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.08 min

Lab File: VL037186.D

Acq: 17 Jun 2021 1:30

Instrument :

MSVOA_L

ClientSampleId :

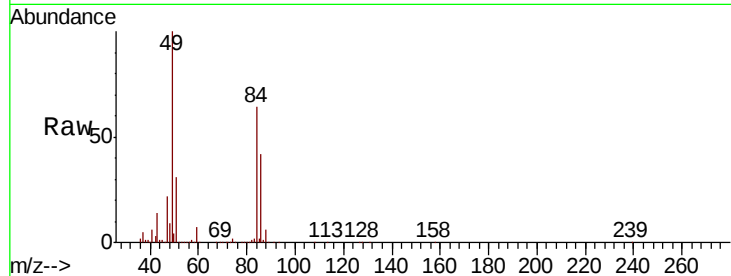
Tot Ion: 41 Resp: 46974

Ion Ratio Lower Upper

41 100

76 0.0 24.6 37.0#

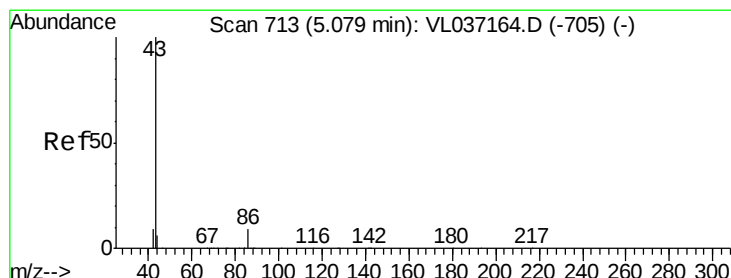
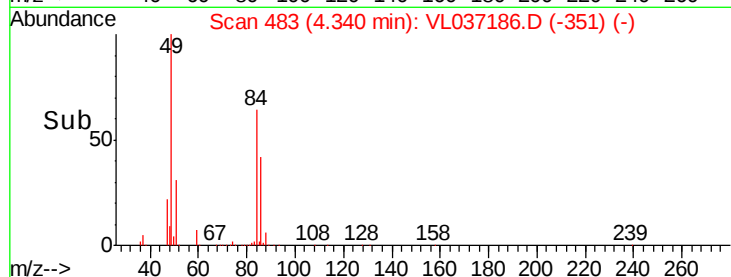
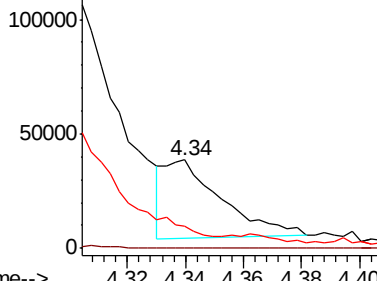
39 0.0 65.4 98.0#



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: 0.565 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.02 min

Lab File: VL037186.D

Acq: 17 Jun 2021 1:30

Tgt Ion: 43 Resp: 142737

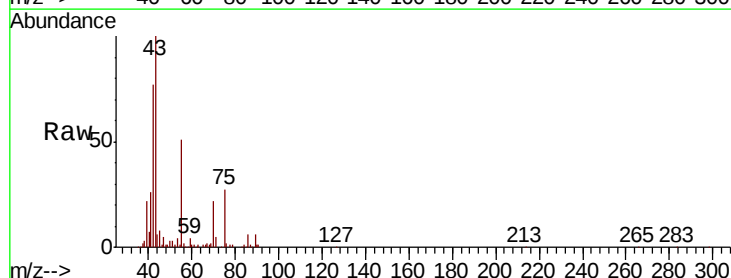
Ion Ratio Lower Upper

43 100

86 5.6 5.8 8.8#

42 79.1 8.2 12.2#

44 3.4 4.2 6.4#

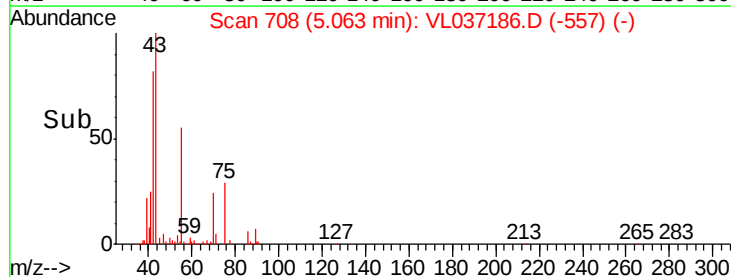
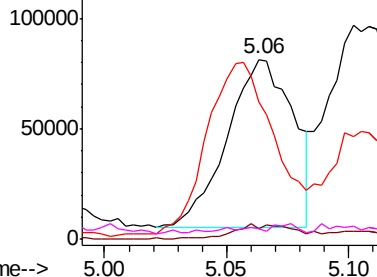


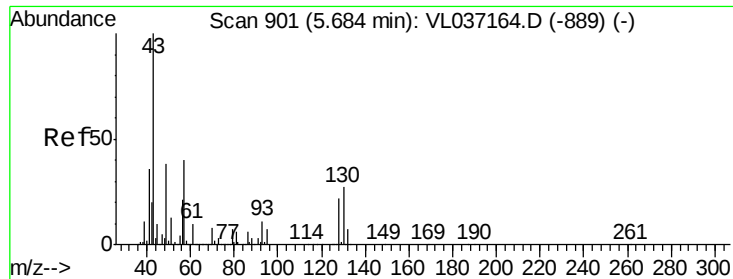
Abundance Ion 43.10 (42.80 to 43.80): VL0

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



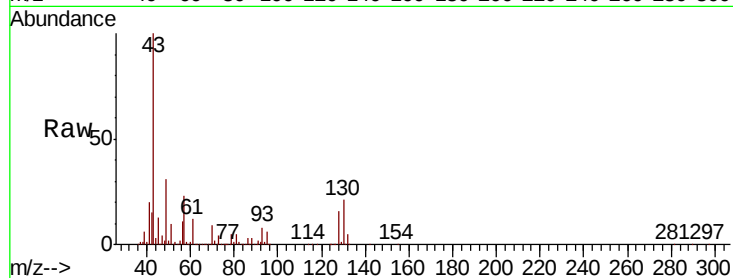


#25
Ethyl Acetate
Concen: 14.649 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL037186.D
Acq: 17 Jun 2021 1:30

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 5590120

Ion	Ratio	Lower	Upper
43	100		
45	11.3	8.0	12.0
61	10.3	8.1	12.1
70	8.1	5.5	8.3



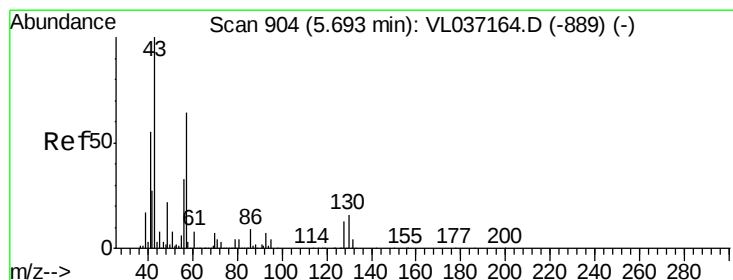
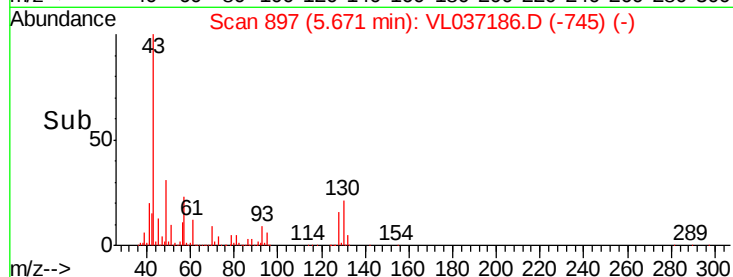
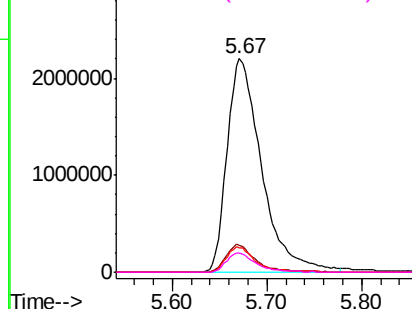
Abundance

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

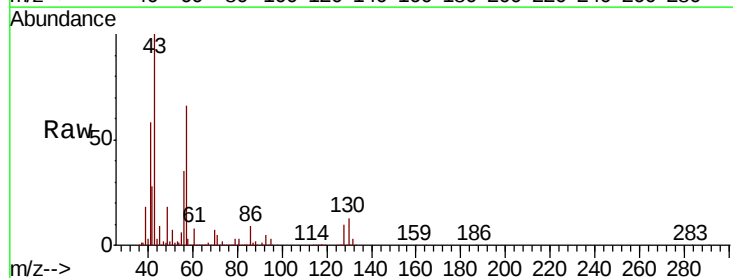
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 11.006 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL037186.D
Acq: 17 Jun 2021 1:30

Tgt Ion: 57 Resp: 2122742

Ion	Ratio	Lower	Upper
57	100		
41	90.7	73.5	110.3
43	268.3	170.7	256.1#
56	52.5	42.4	63.6



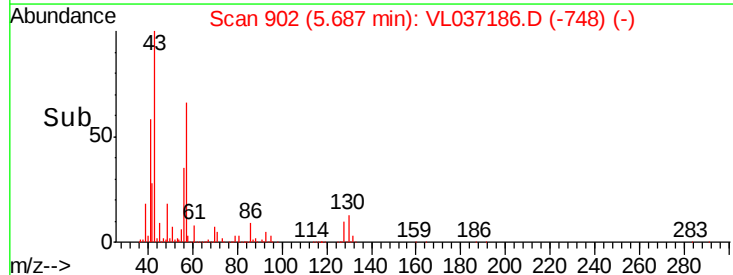
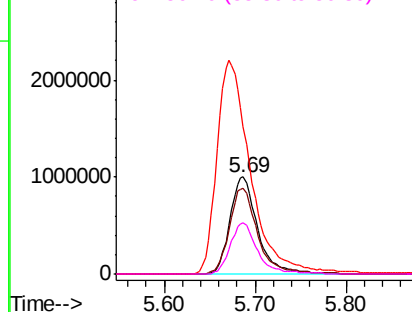
Abundance

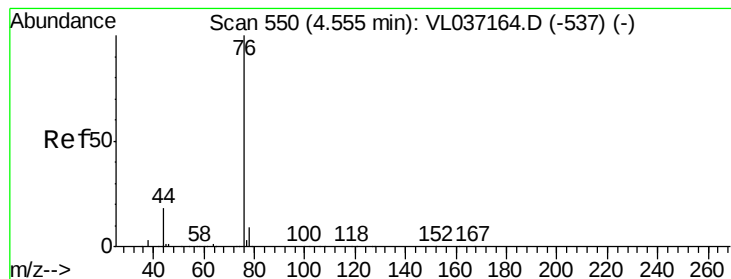
Ion 57.10 (56.80 to 57.80): VL0

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: 0.257 ppbv

RT: 4.55 min Scan# 549

Delta R.T. -0.00 min

Lab File: VL037186.D

Acq: 17 Jun 2021 1:30

Instrument :

MSVOA_L

ClientSampleId :

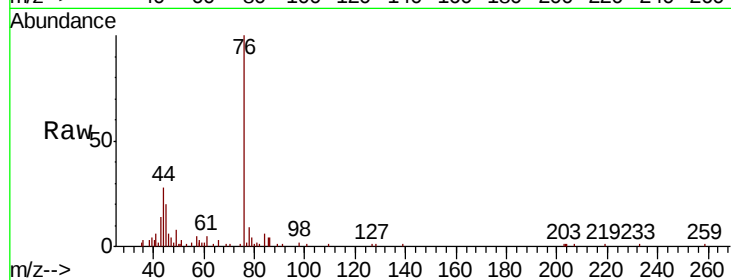
Tot Ion: 76 Resp: 48550

Ion Ratio Lower Upper

76 100

44 34.4 15.4 23.2#

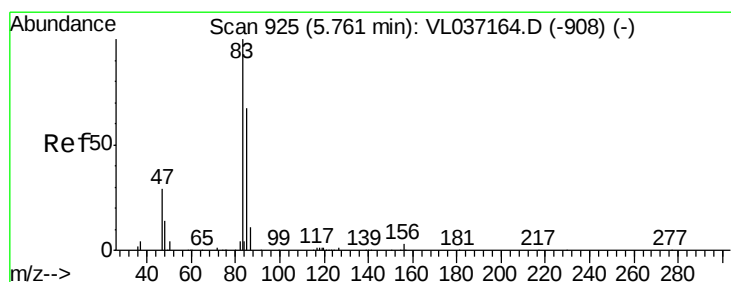
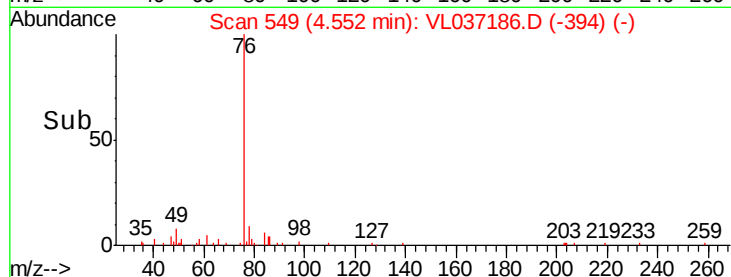
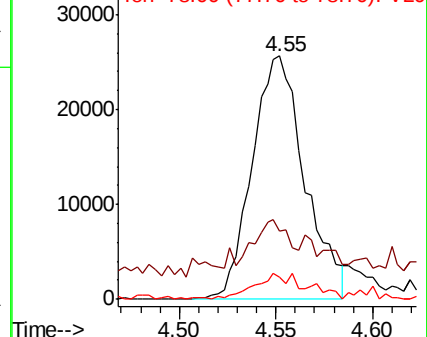
78 12.6 8.0 12.0#



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: 0.049 ppbv

RT: 5.75 min Scan# 921

Delta R.T. -0.01 min

Lab File: VL037186.D

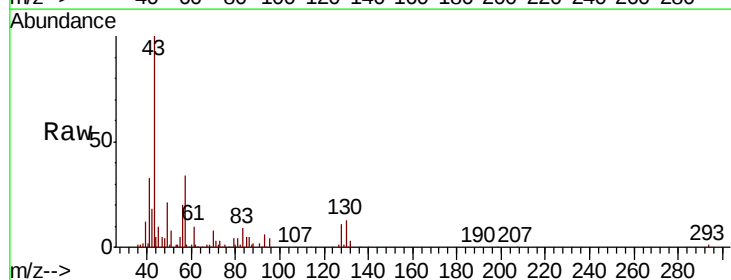
Acq: 17 Jun 2021 1:30

Tgt Ion: 83 Resp: 14573

Ion Ratio Lower Upper

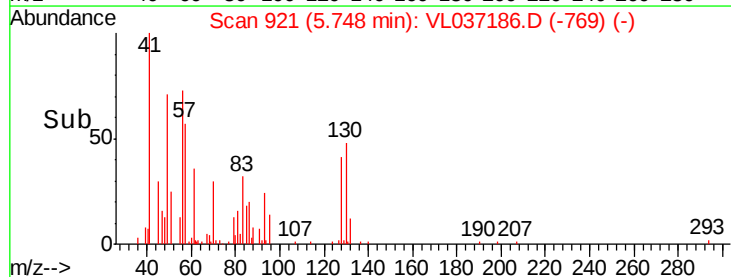
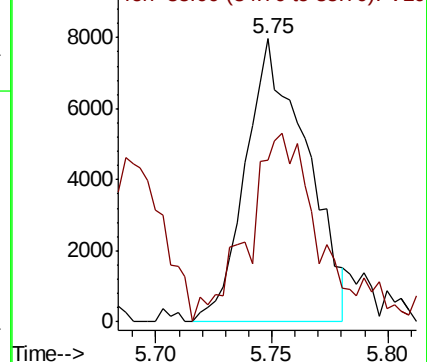
83 100

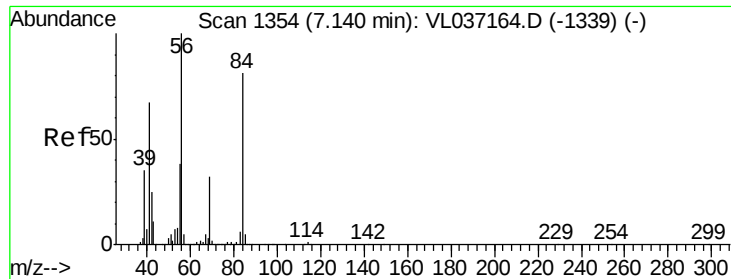
85 57.4 53.6 80.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

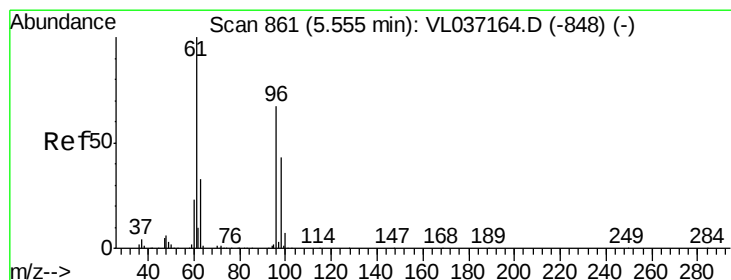
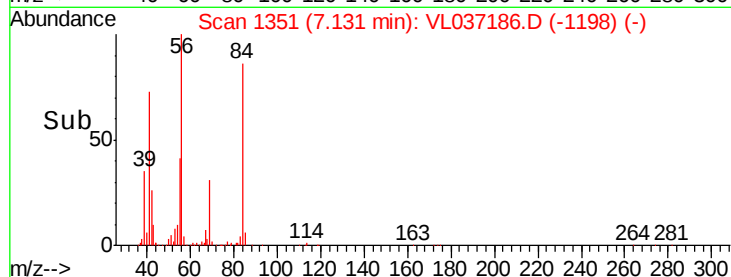
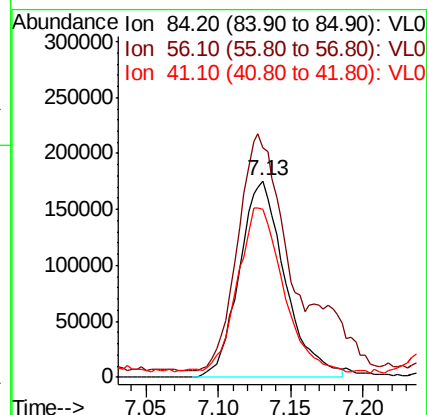
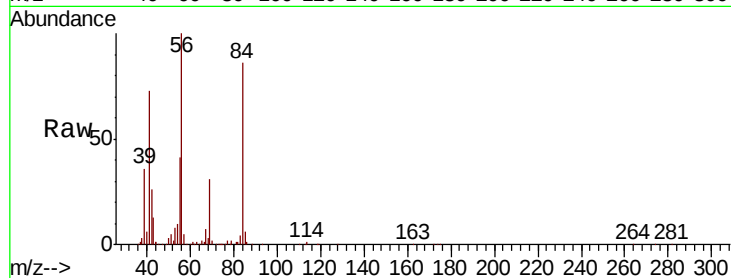




#30
Cvclohexane
Concen: 2.386 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL037186.D
Acq: 17 Jun 2021 1:30

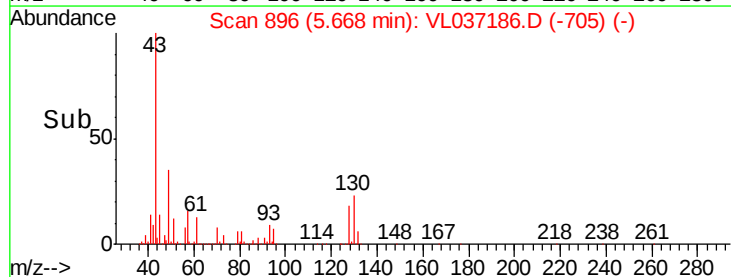
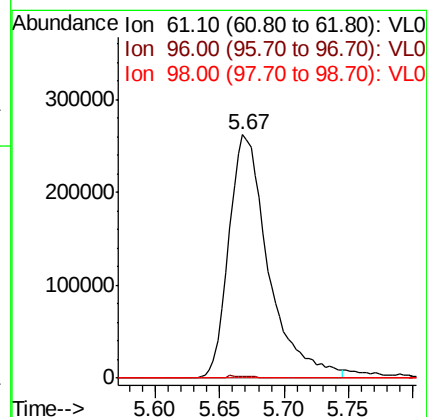
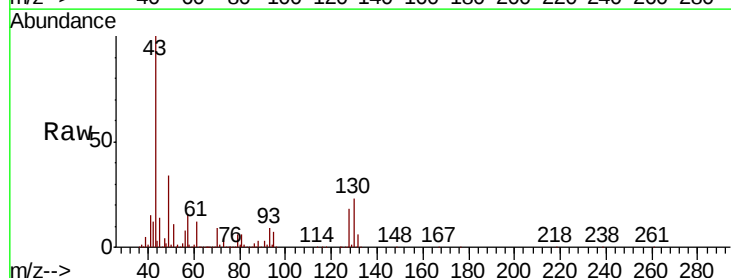
Instrument :
MSVOA_L
ClientSampleId :

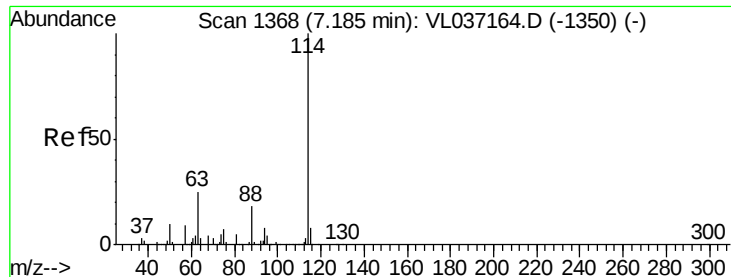
Tot Ion: 84 Resp: 383352
Ion Ratio Lower Upper
84 100
56 162.2 107.7 161.5#
41 91.8 69.0 103.6



#31
cis-1,2-Dichloroethene
Concen: 3.155 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.11 min
Lab File: VL037186.D
Acq: 17 Jun 2021 1:30

Tgt Ion: 61 Resp: 559208
Ion Ratio Lower Upper
61 100
96 0.7 53.6 80.4#
98 0.0 34.7 52.1#

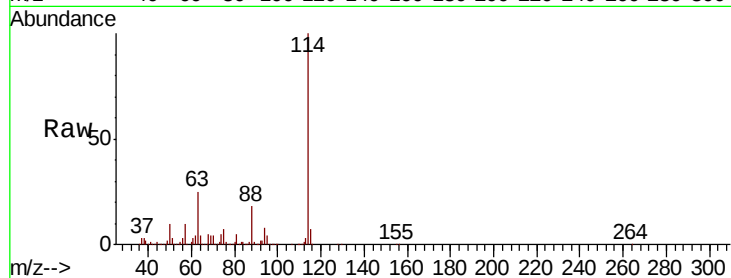




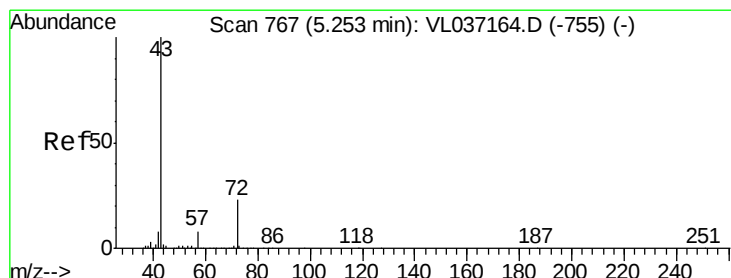
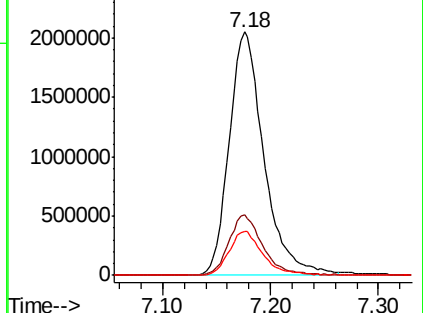
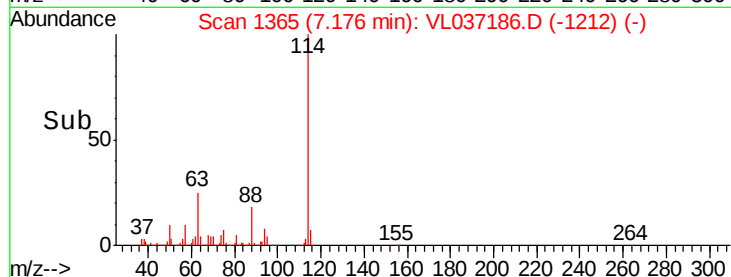
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL037186.D
 Acq: 17 Jun 2021 1:30

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4609919
 Ion Ratio Lower Upper
 114 100
 63 24.7 19.6 29.4
 88 17.9 14.2 21.2

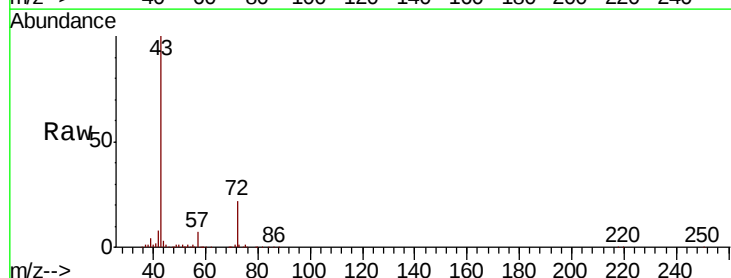


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

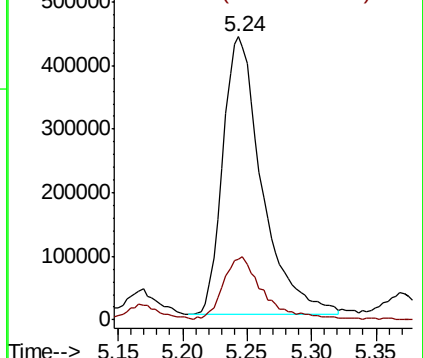
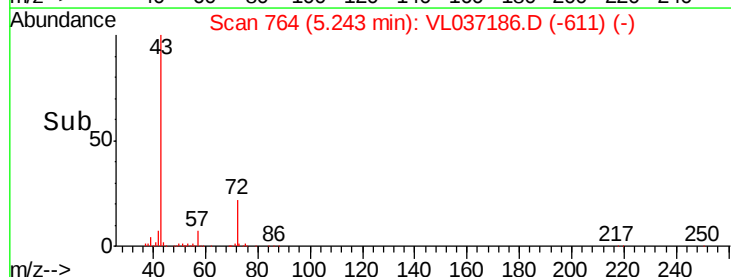


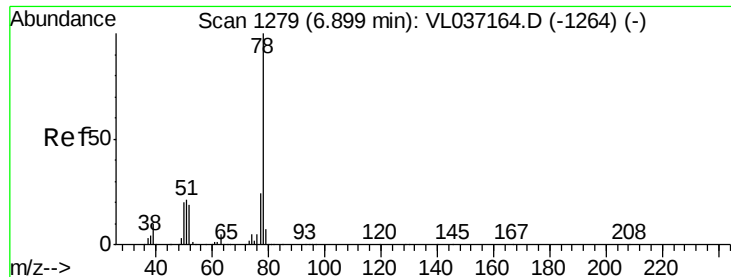
#34
 2-Butanone
 Concen: 5.154 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL037186.D
 Acq: 17 Jun 2021 1:30

Tgt Ion: 43 Resp: 924057
 Ion Ratio Lower Upper
 43 100
 72 24.1 18.9 28.3



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

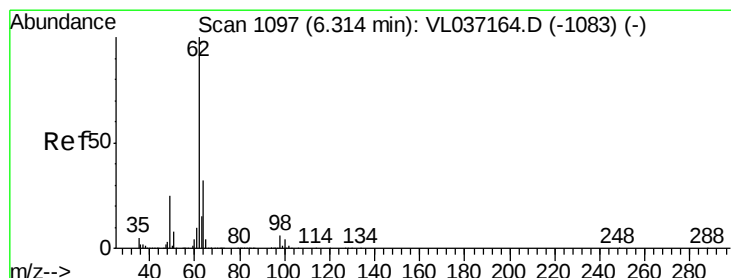
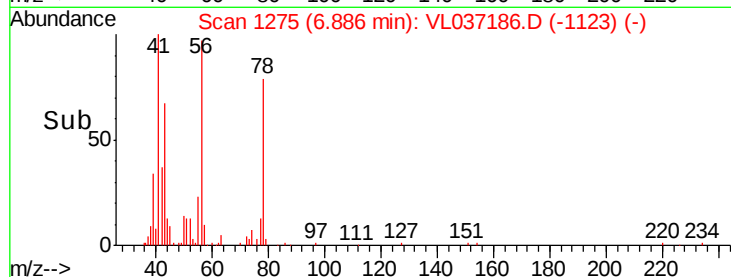
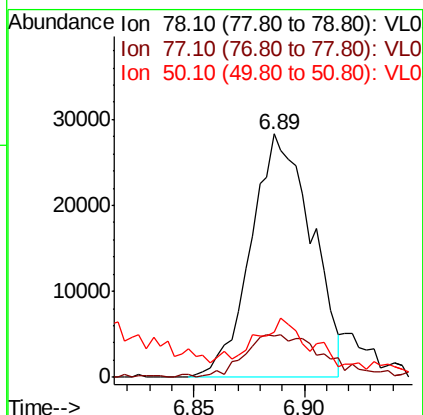
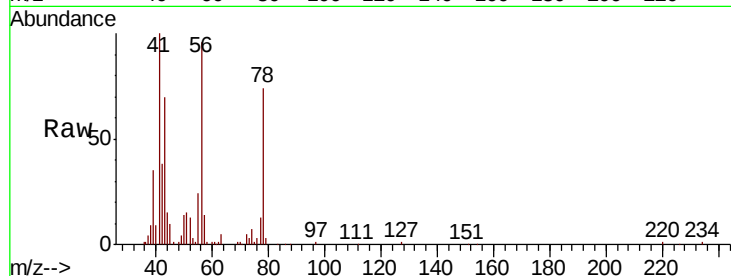




#36
Benzene
Concen: 0.145 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL037186.D
Acq: 17 Jun 2021 1:30

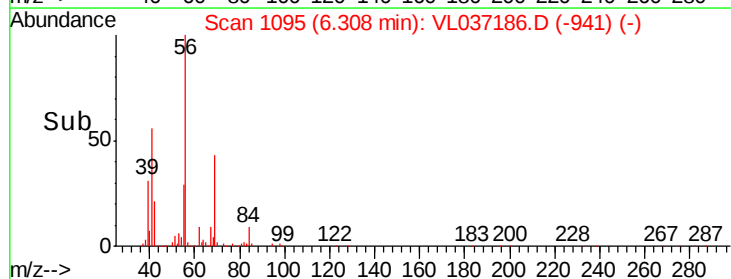
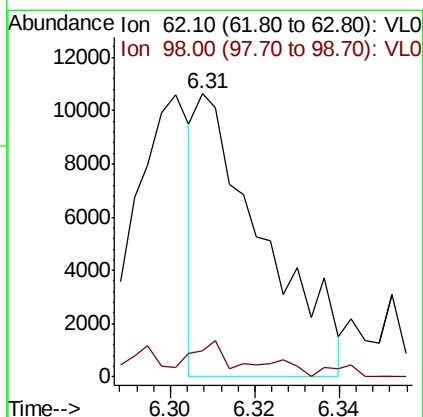
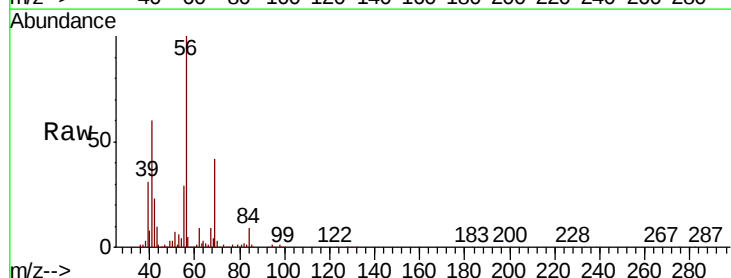
Instrument :
MSVOA_L
ClientSampleId :

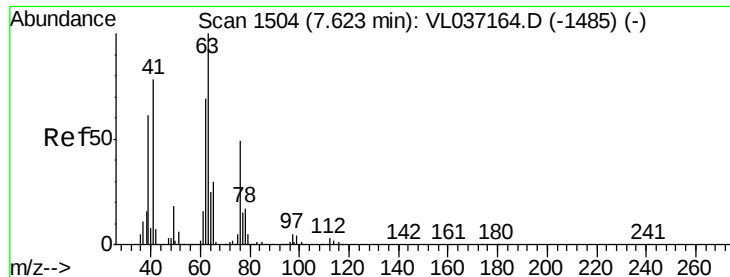
Tot Ion: 78 Resp: 53932
Ion Ratio Lower Upper
78 100
77 15.9 19.0 28.6#
50 13.9 15.7 23.5#



#37
1,2-Dichloroethane
Concen: 0.053 ppbv
RT: 6.31 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VL037186.D
Acq: 17 Jun 2021 1:30

Tgt Ion: 62 Resp: 11542
Ion Ratio Lower Upper
62 100
98 17.8 5.0 7.6#





#39

1,2-Dichloropropane

Concen: 7.908 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.45 min

Lab File: VL037186.D

Acq: 17 Jun 2021 1:30

Instrument :

MSVOA_L

ClientSampleId :

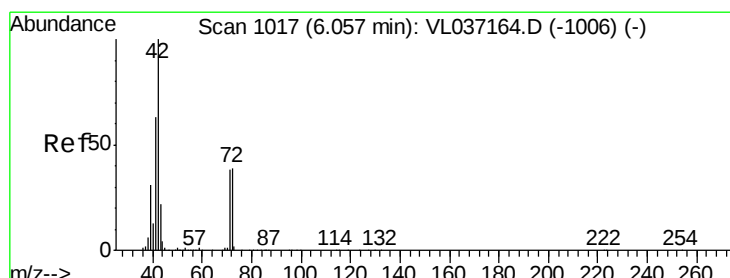
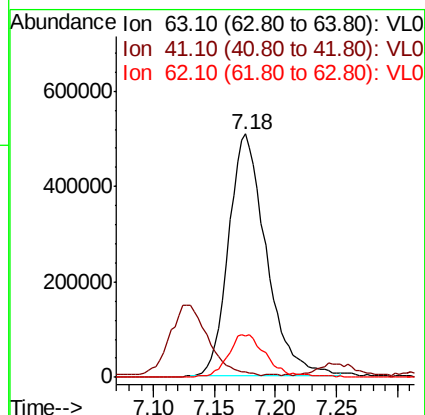
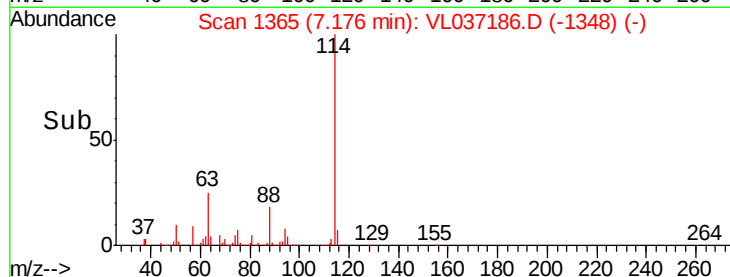
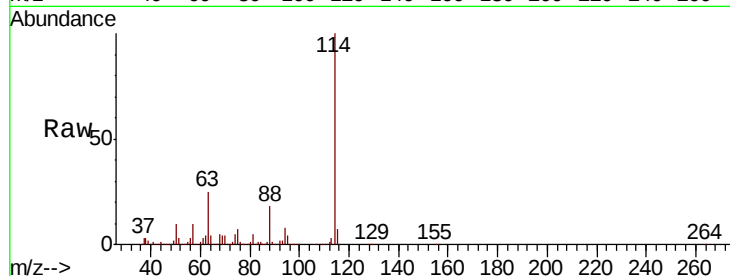
Tot Ion: 63 Resp: 1095357

Ion Ratio Lower Upper

63 100

41 0.0 62.0 93.0#

62 16.9 54.9 82.3#



#41

Tetrahydrofuran

Concen: 0.761 ppbv

RT: 6.06 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VL037186.D

Acq: 17 Jun 2021 1:30

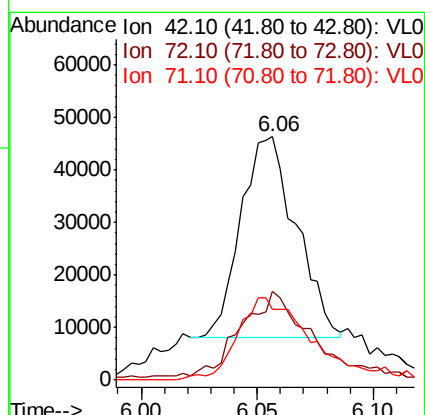
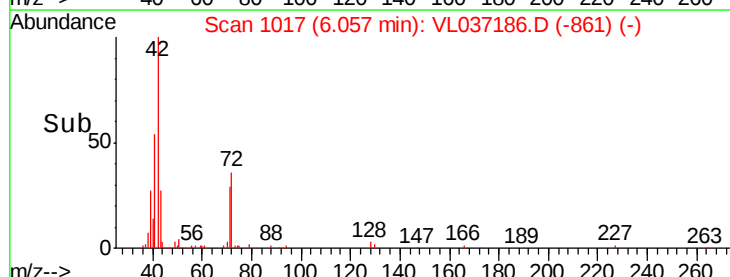
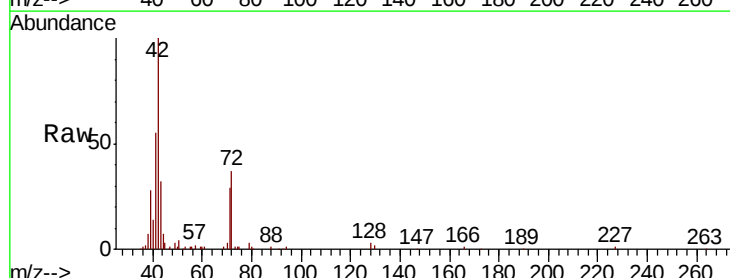
Tgt Ion: 42 Resp: 63400

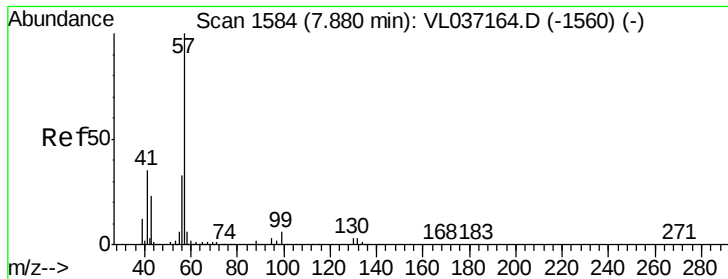
Ion Ratio Lower Upper

42 100

72 64.5 33.0 49.4#

71 57.2 31.0 46.6#





#44

2,2,4-Trimethylpentane

Concen: 0.156 ppbv

RT: 7.86 min Scan# 1579

Delta R.T. -0.02 min

Lab File: VL037186.D

Acq: 17 Jun 2021 1:30

Instrument :

MSVOA_L

ClientSampled :

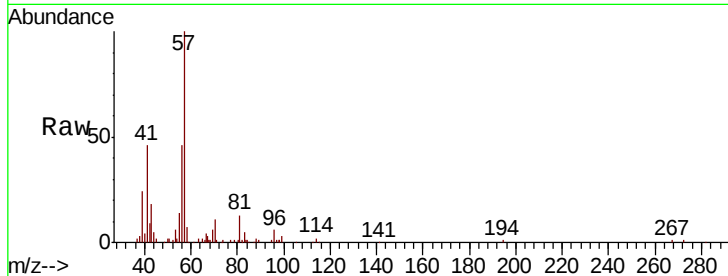
Tot Ion: 57 Resp: 97958

Ion Ratio Lower Upper

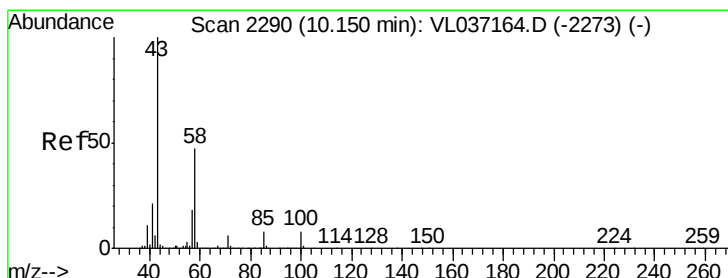
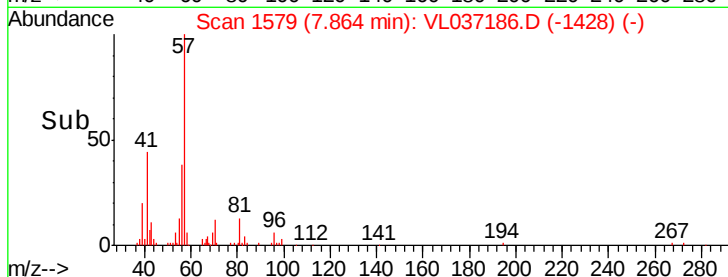
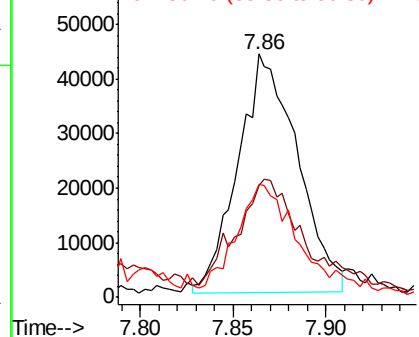
57 100

41 52.8 27.6 41.4#

56 52.3 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



#51

2-Hexanone

Concen: 0.079 ppbv

RT: 10.28 min Scan# 2332

Delta R.T. 0.14 min

Lab File: VL037186.D

Acq: 17 Jun 2021 1:30

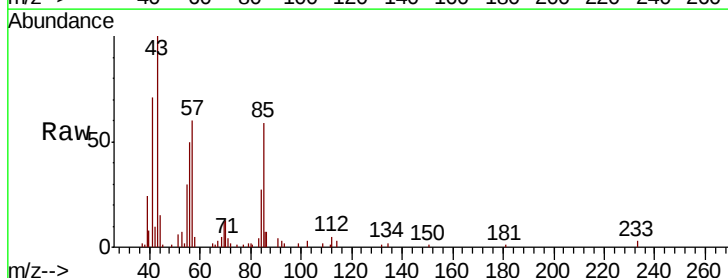
Tgt Ion: 43 Resp: 9472

Ion Ratio Lower Upper

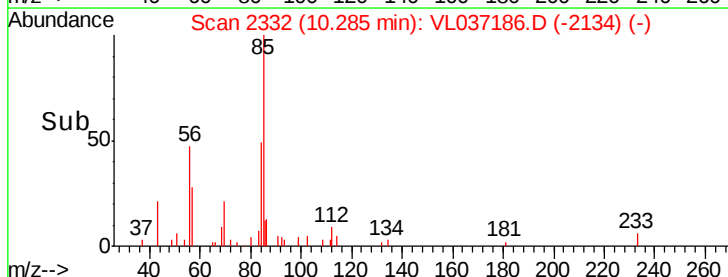
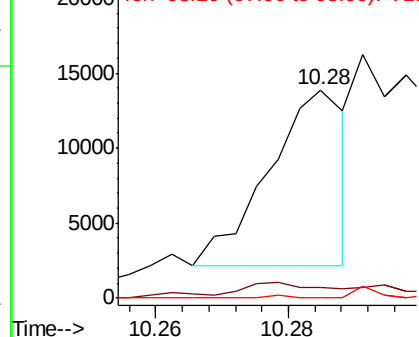
43 100

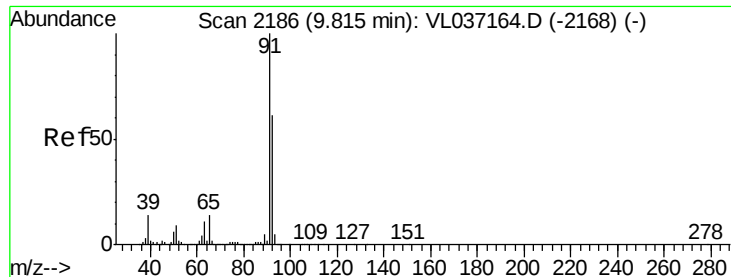
58 99.4 38.4 57.6#

98 5.9 0.3 0.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0





#53

Toluene

Concen: 2.403 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL037186.D

Acq: 17 Jun 2021 1:30

Instrument :

MSVOA_L

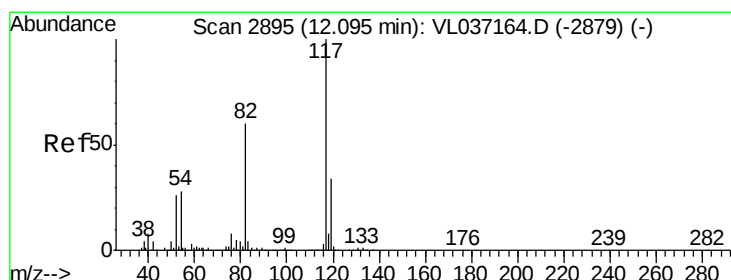
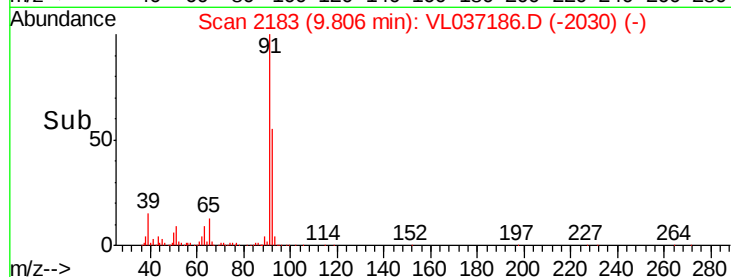
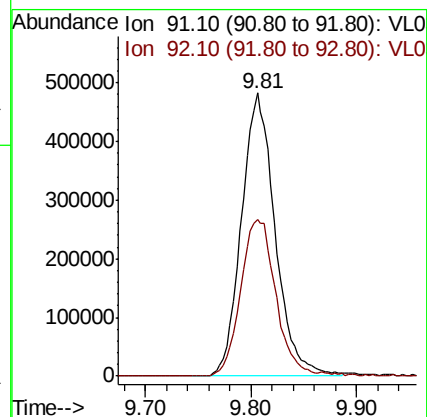
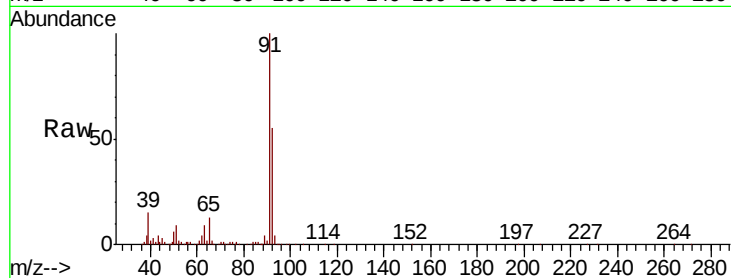
ClientSampleId :

Tot Ion: 91 Resp: 1070183

Ion Ratio Lower Upper

91 100

92 58.5 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: VL037186.D

Acq: 17 Jun 2021 1:30

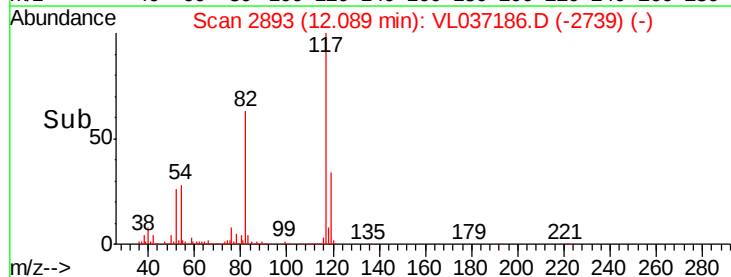
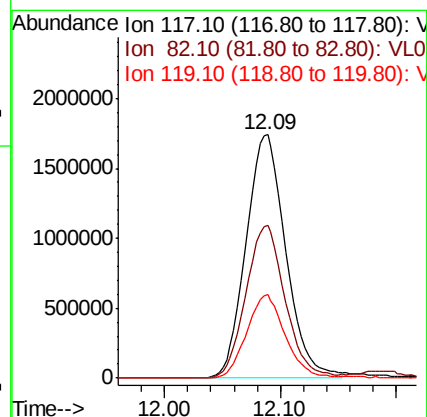
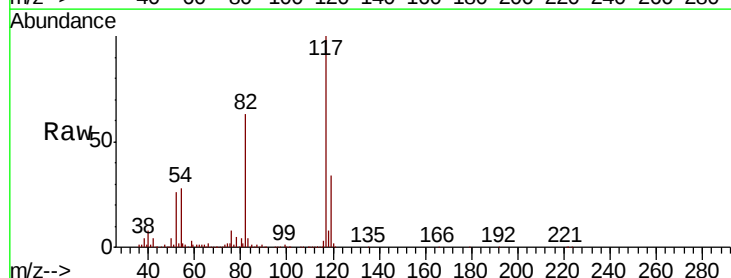
Tgt Ion: 117 Resp: 4159495

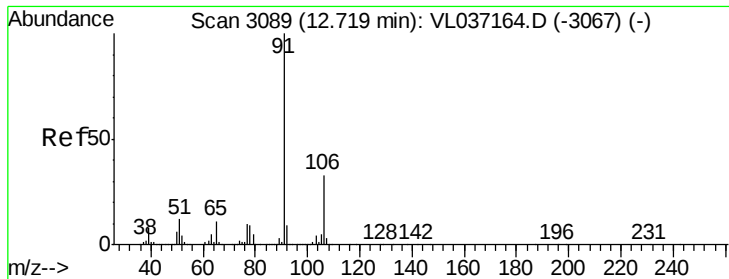
Ion Ratio Lower Upper

117 100

82 61.9 51.7 77.5

119 33.6 47.6 71.4#





#58

Ethyl Benzene

Concen: 0.786 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. -0.01 min

Lab File: VL037186.D

Acq: 17 Jun 2021 1:30

Instrument :

MSVOA_L

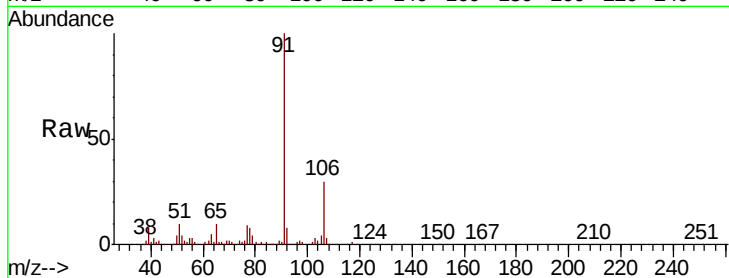
ClientSampleId :

Tot Ion: 91 Resp: 449947

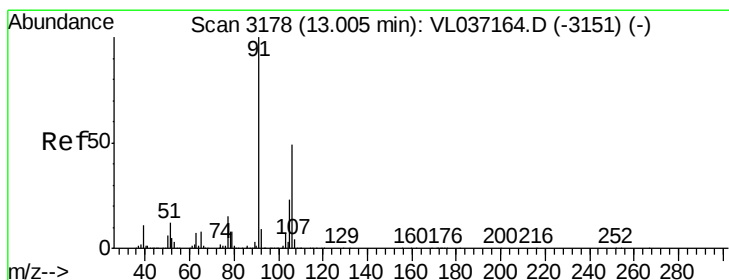
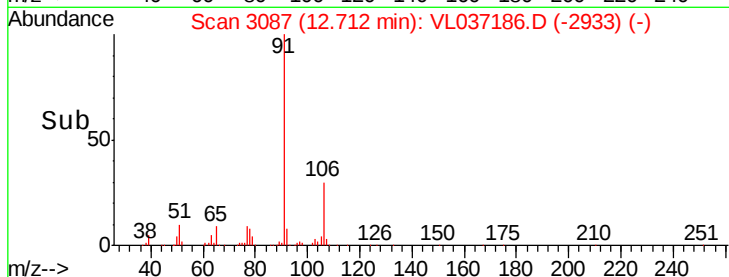
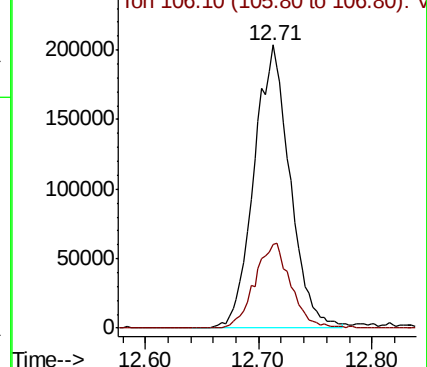
Ion Ratio Lower Upper

91 100

106 29.5 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0



#59

m/p-Xylene

Concen: 2.801 ppbv

RT: 12.97 min Scan# 3166

Delta R.T. -0.04 min

Lab File: VL037186.D

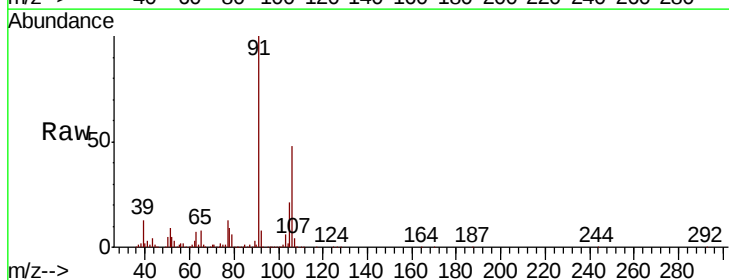
Acq: 17 Jun 2021 1:30

Tgt Ion: 91 Resp: 1359029

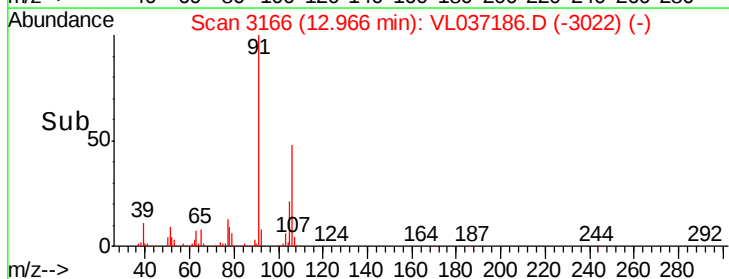
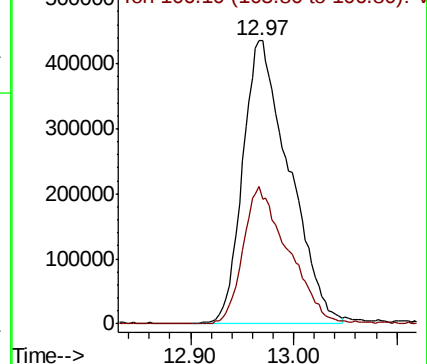
Ion Ratio Lower Upper

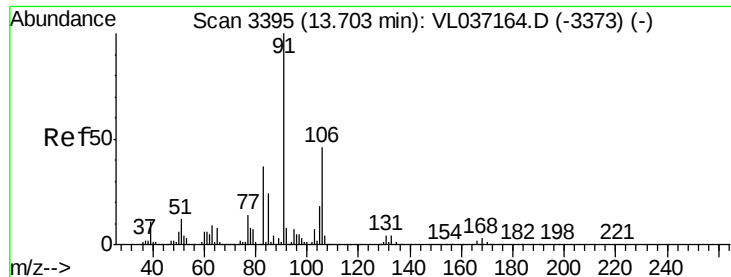
91 100

106 47.6 37.0 55.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

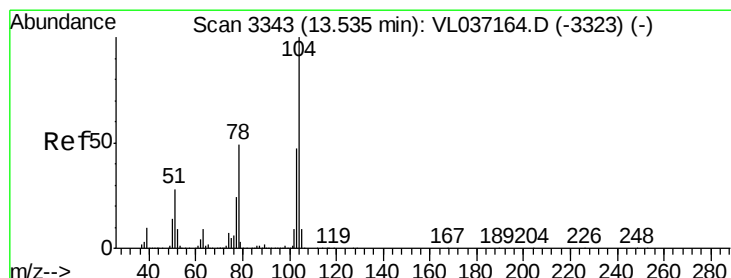
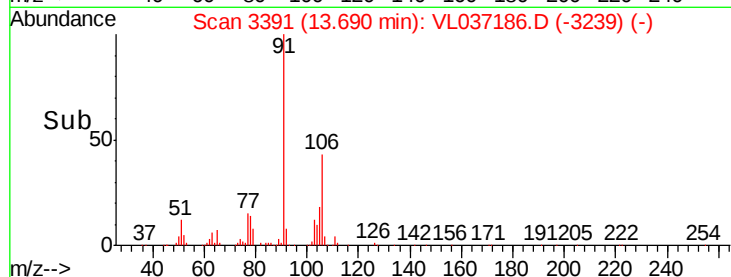
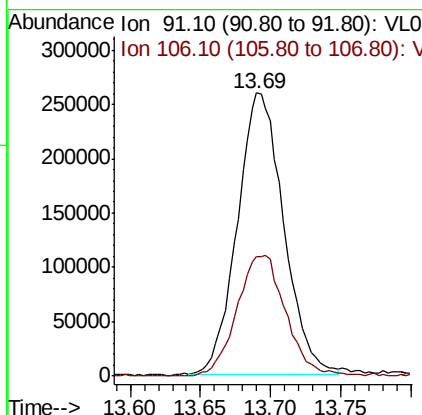
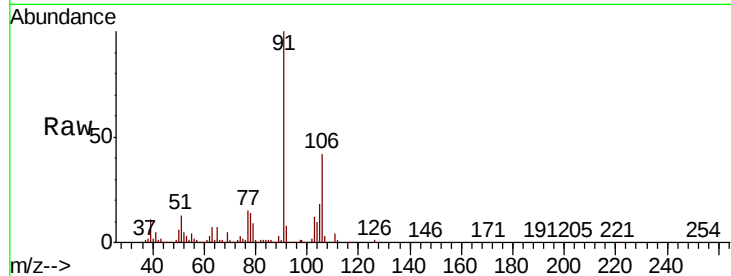




#60
o-Xylene
Concen: 1.278 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL037186.D
Acq: 17 Jun 2021 1:30

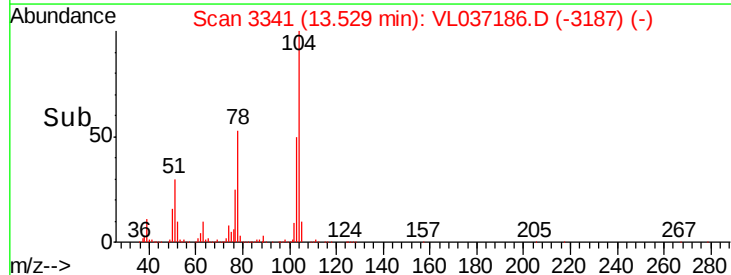
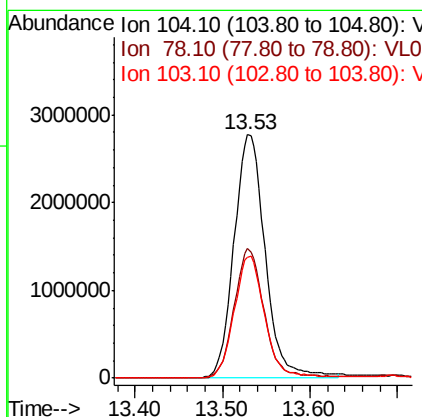
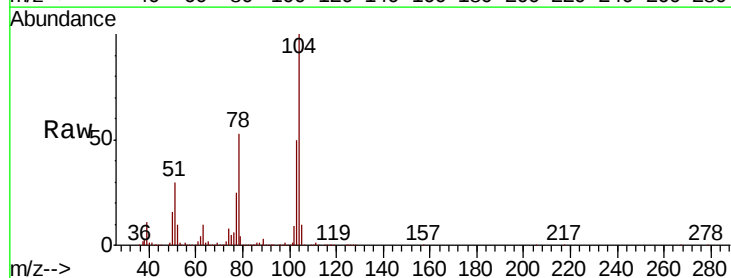
Instrument :
MSVOA_L
ClientSampled :

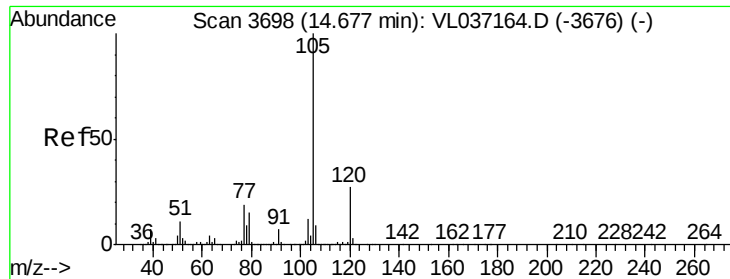
Tot Ion: 91 Resp: 590404
Ion Ratio Lower Upper
91 100
106 45.0 23.0 69.0



#61
Styrene
Concen: 28.904 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL037186.D
Acq: 17 Jun 2021 1:30

Tgt Ion: 104 Resp: 6892715
Ion Ratio Lower Upper
104 100
78 51.7 39.7 59.5
103 49.3 37.6 56.4





#62

Isopropylbenzene

Concen: 0.106 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. -0.01 min

Lab File: VL037186.D

Acq: 17 Jun 2021 1:30

Instrument :

MSVOA_L

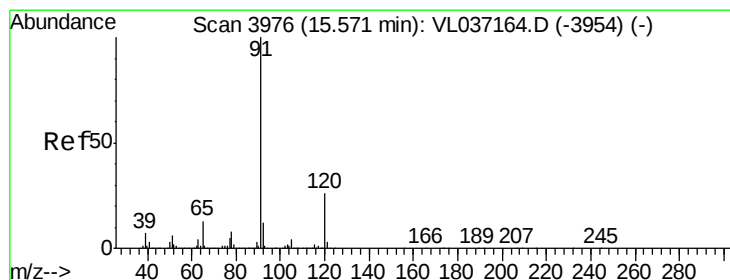
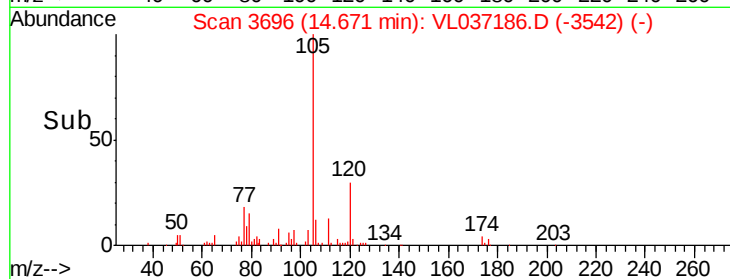
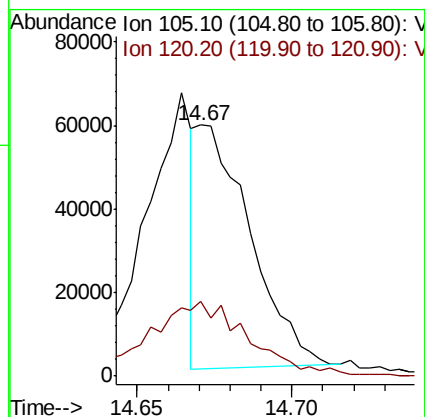
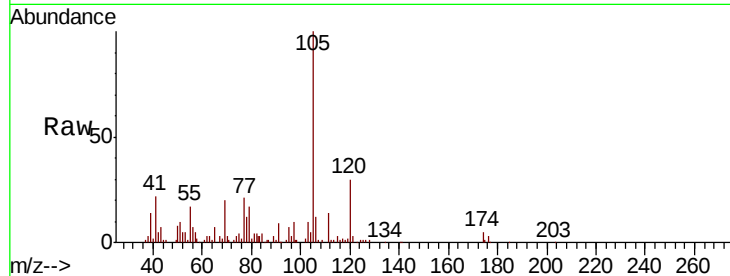
ClientSampleId :

Tot Ion:105 Resp: 69521

Ion Ratio Lower Upper

105 100

120 58.1 21.6 32.4#



#64

n-propylbenzene

Concen: 0.445 ppbv

RT: 15.57 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VL037186.D

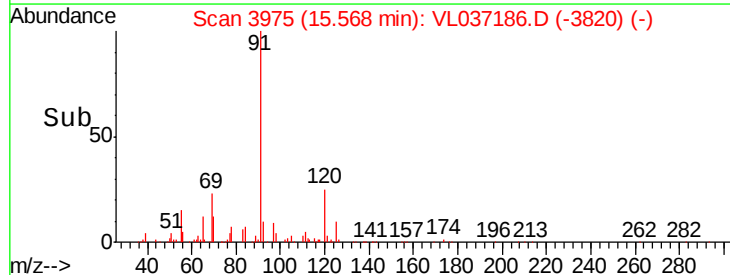
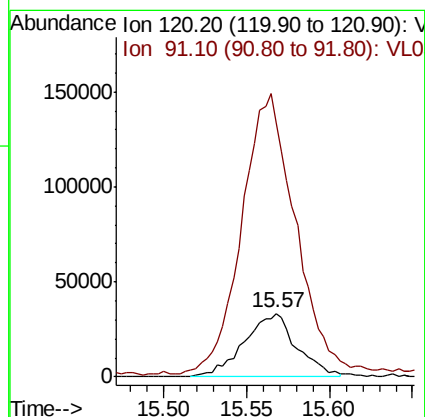
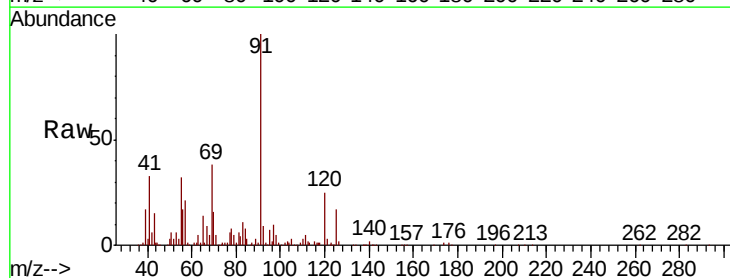
Acq: 17 Jun 2021 1:30

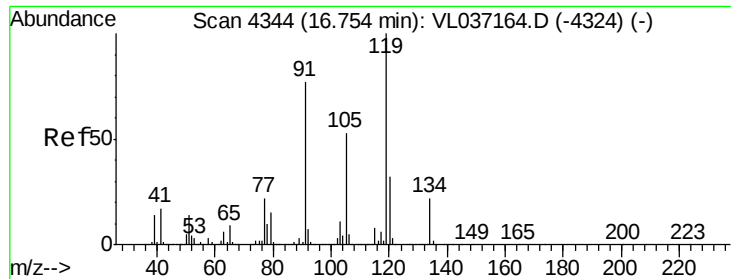
Tgt Ion:120 Resp: 73209

Ion Ratio Lower Upper

120 100

91 482.5 343.3 514.9





#65

tert-Butylbenzene

Concen: 0.143 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.01 min

Lab File: VL037186.D

Acq: 17 Jun 2021 1:30

Instrument :

MSVOA_L

ClientSampleId :

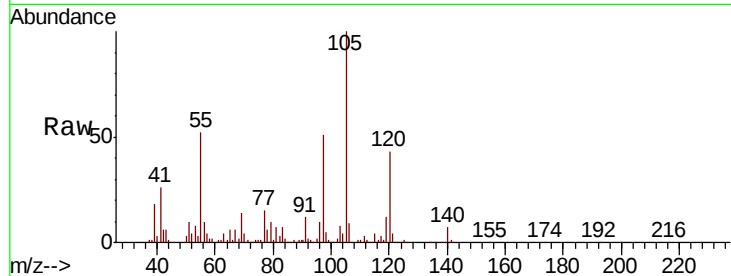
Tot Ion: 119 Resp: 83430

Ion Ratio Lower Upper

119 100

91 165.1 62.6 93.8#

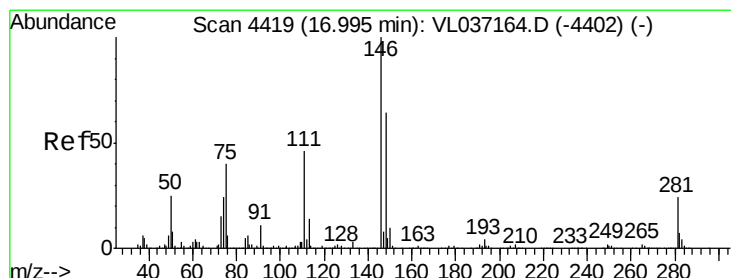
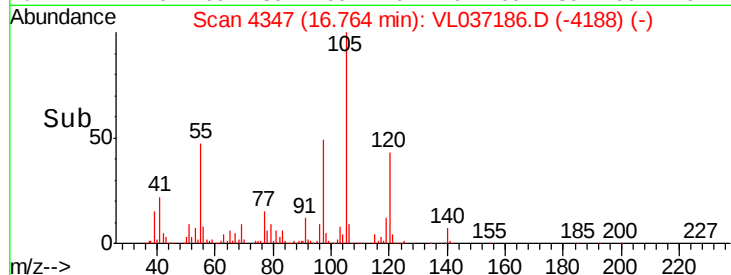
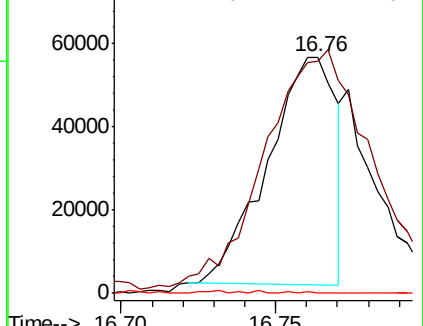
134 1.0 16.2 24.4#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.067 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.03 min

Lab File: VL037186.D

Acq: 17 Jun 2021 1:30

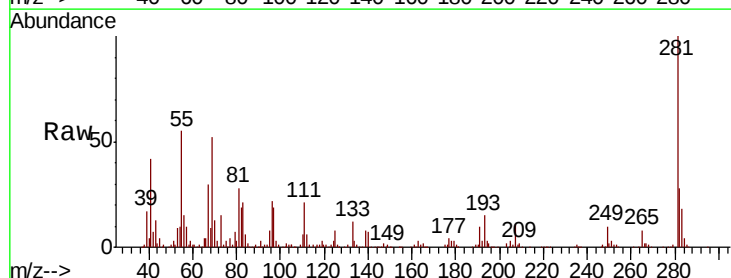
Tgt Ion: 91 Resp: 1653

Ion Ratio Lower Upper

91 100

126 371.4 15.5 23.3#

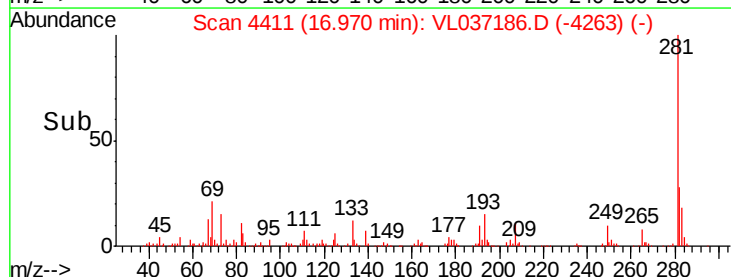
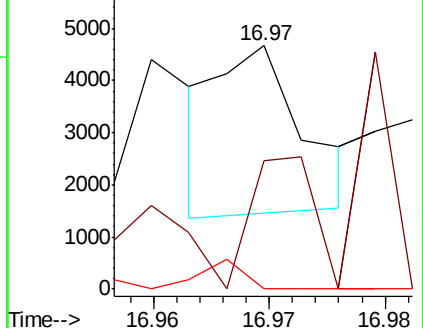
128 2.7 5.7 8.5#

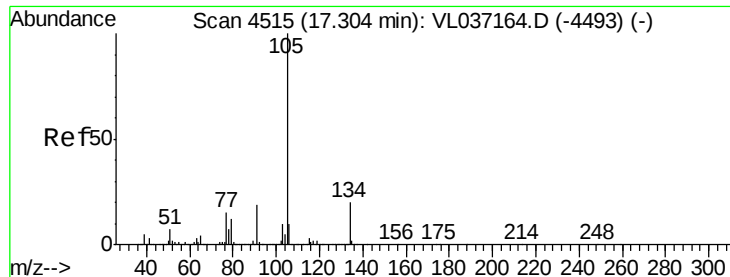


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.143 ppbv

RT: 17.30 min Scan# 4514

Delta R.T. -0.00 min

Lab File: VL037186.D

Acq: 17 Jun 2021 1:30

Instrument :

MSVOA_L

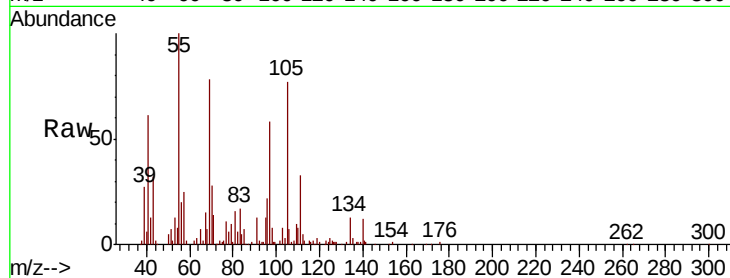
ClientSampled :

Tot Ion:105 Resp: 110758

Ion Ratio Lower Upper

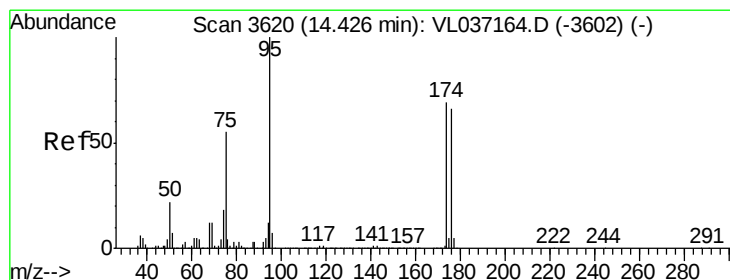
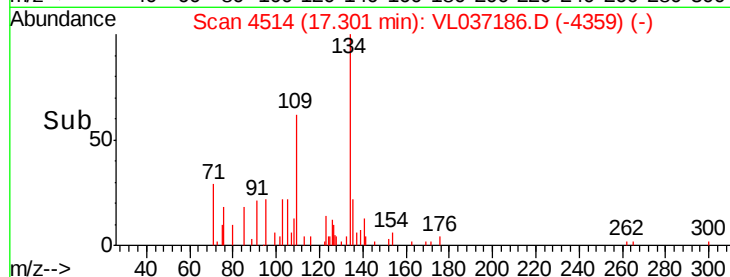
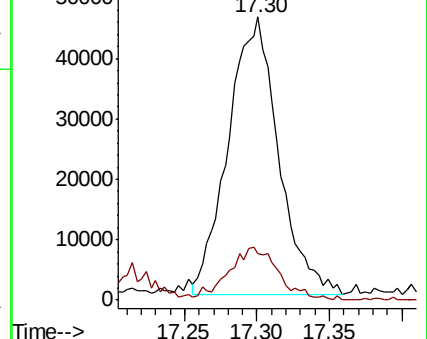
105 100

134 17.6 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: 10.377 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL037186.D

Acq: 17 Jun 2021 1:30

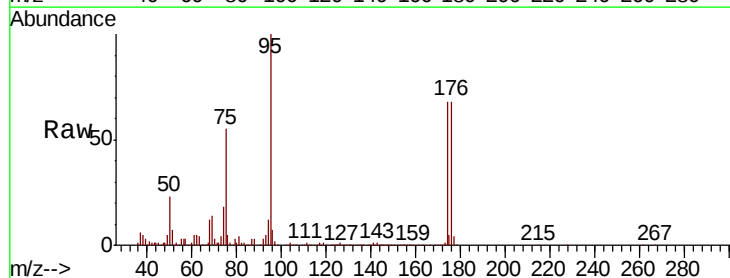
Tgt Ion: 95 Resp: 3270834

Ion Ratio Lower Upper

95 100

174 72.2 57.0 85.4

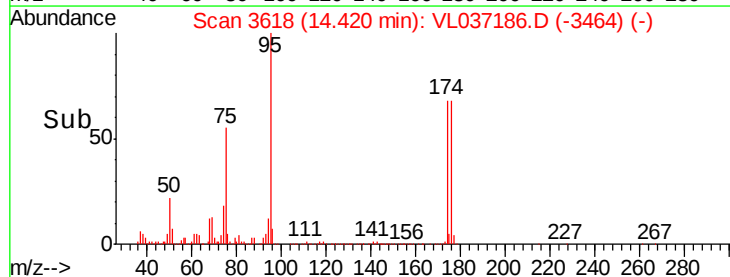
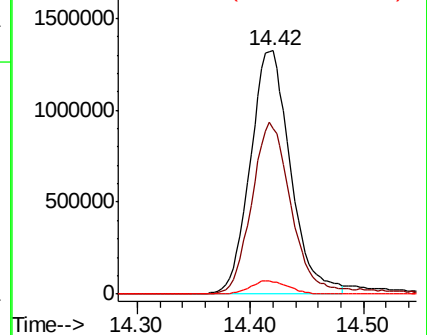
175 5.3 4.4 6.6

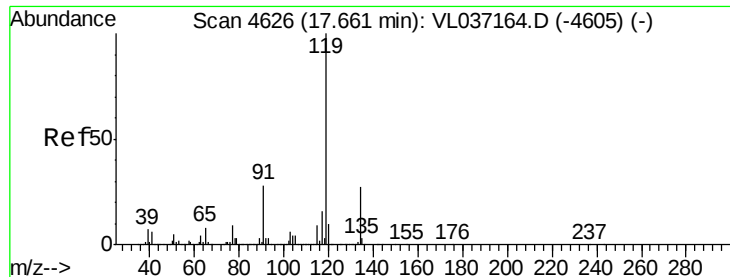


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 0.218 ppbv

RT: 17.54 min Scan# 4588

Delta R.T. -0.12 min

Lab File: VL037186.D

Acq: 17 Jun 2021 1:30

Instrument :

MSVOA_L

ClientSampleId :

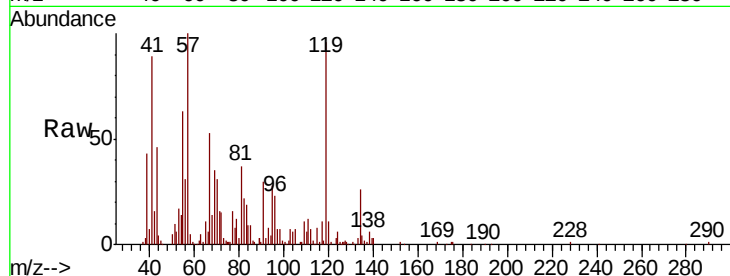
Tot Ion: 119 Resp: 143364

Ion Ratio Lower Upper

119 100

134 26.6 20.9 31.3

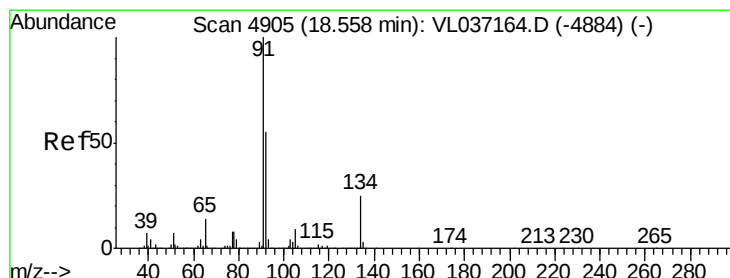
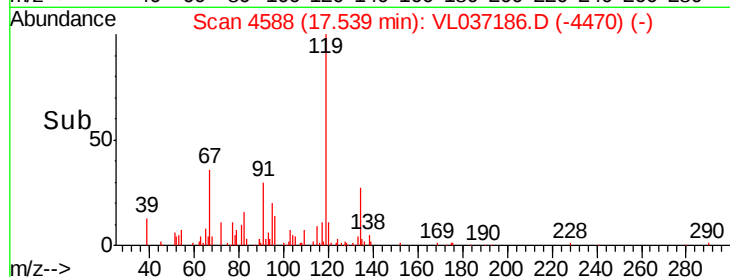
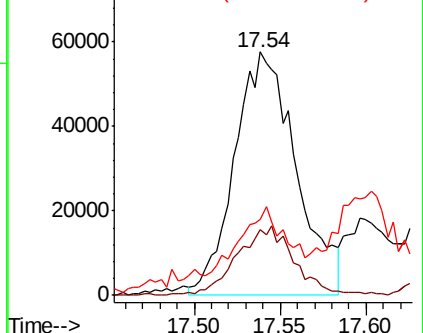
91 33.5 22.6 34.0



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: 0.091 ppbv

RT: 18.55 min Scan# 4902

Delta R.T. -0.01 min

Lab File: VL037186.D

Acq: 17 Jun 2021 1:30

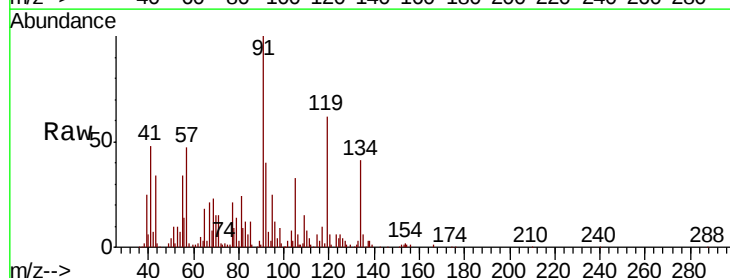
Tgt Ion: 91 Resp: 55368

Ion Ratio Lower Upper

91 100

92 0.0 44.0 66.0#

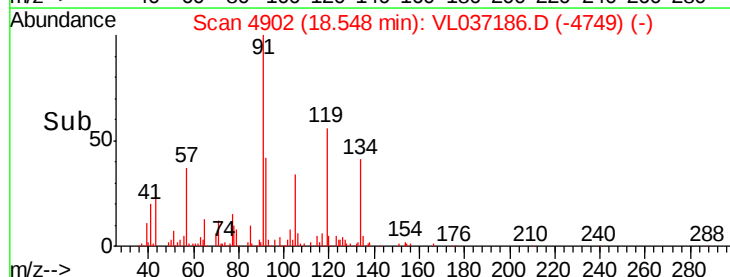
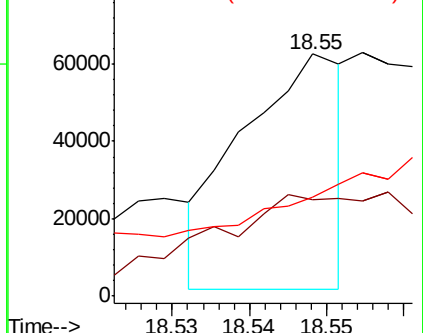
134 0.0 20.2 30.4#

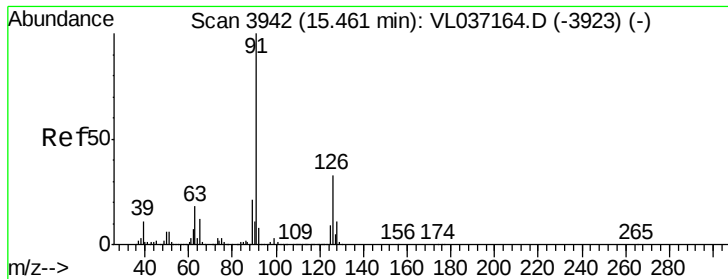


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V

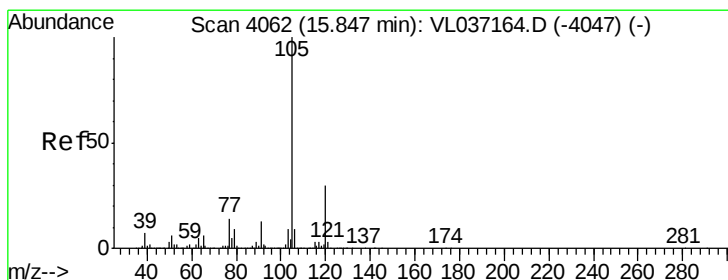
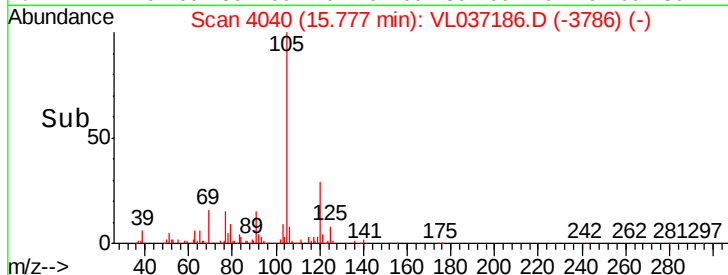
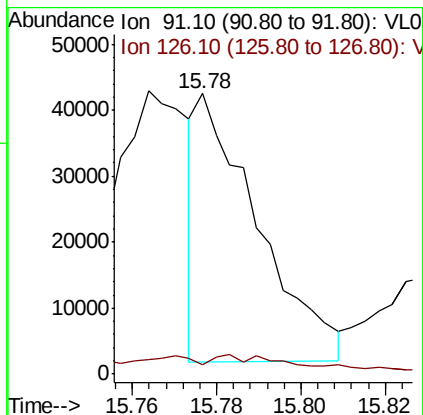
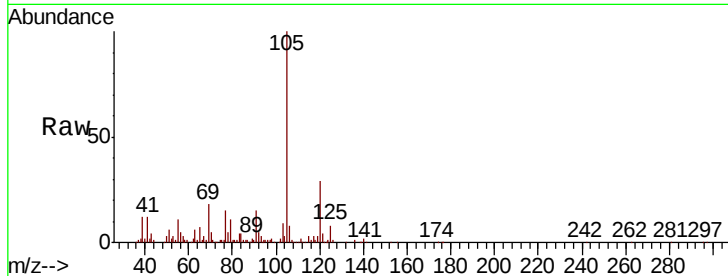




#71
2-Chlorotoluene
Concen: 0.088 ppbv
RT: 15.78 min Scan# 4040
Delta R.T. 0.32 min
Lab File: VL037186.D
Acq: 17 Jun 2021 1:30

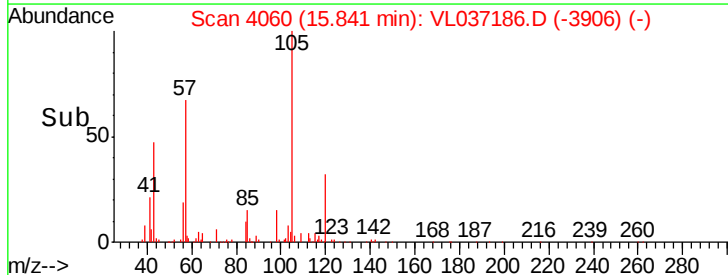
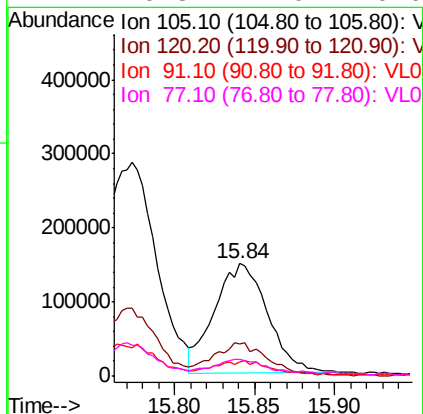
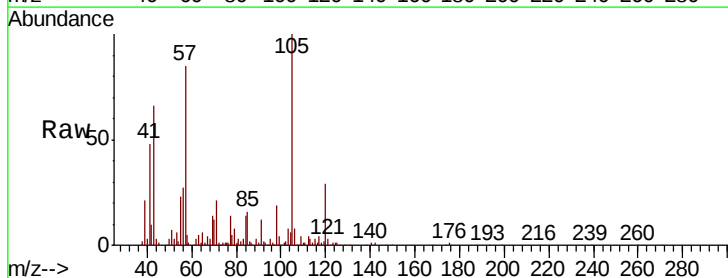
Instrument :
MSVOA_L
ClientSampleId :

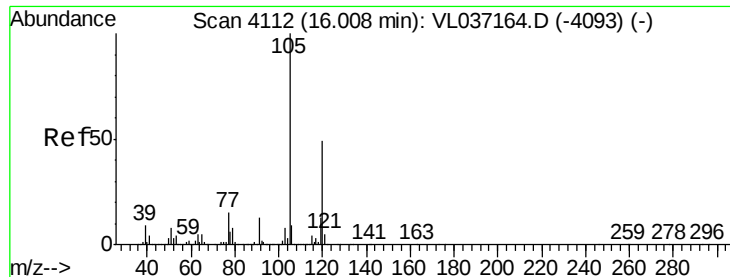
Tot Ion: 91 Resp: 40648
Ion Ratio Lower Upper
91 100
126 22.9 13.5 54.1



#72
4-Ethyltoluene
Concen: 0.641 ppbv
RT: 15.84 min Scan# 4060
Delta R.T. -0.01 min
Lab File: VL037186.D
Acq: 17 Jun 2021 1:30

Tgt Ion: 105 Resp: 336610
Ion Ratio Lower Upper
105 100
120 31.6 24.7 37.1
91 13.4 10.2 15.4
77 16.3 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 0.346 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL037186.D

Acq: 17 Jun 2021 1:30

Instrument :

MSVOA_L

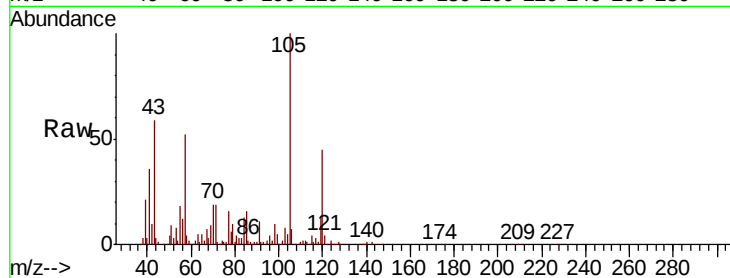
ClientSampleId :

Tot Ion:105 Resp: 175554

Ion Ratio Lower Upper

105 100

120 45.4 39.4 59.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.00

150000

100000

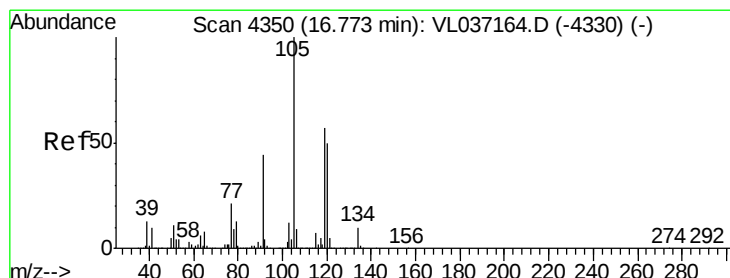
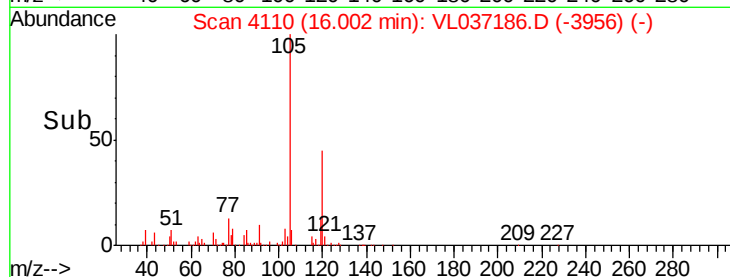
50000

0

Time-->

16.00

16.05



#74

1,2,4-Trimethylbenzene

Concen: 2.207 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL037186.D

Acq: 17 Jun 2021 1:30

Tgt Ion:105 Resp: 1153636

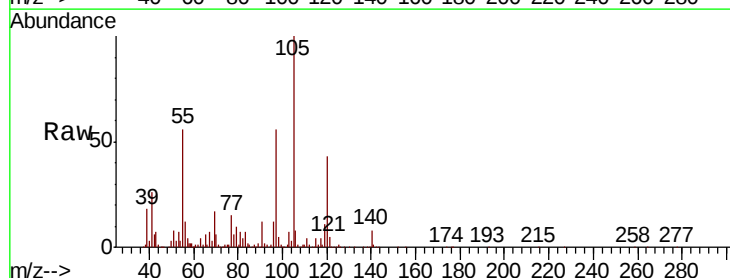
Ion Ratio Lower Upper

105 100

120 42.8 39.8 59.8

91 11.8 37.0 55.4#

77 14.4 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

600000

400000

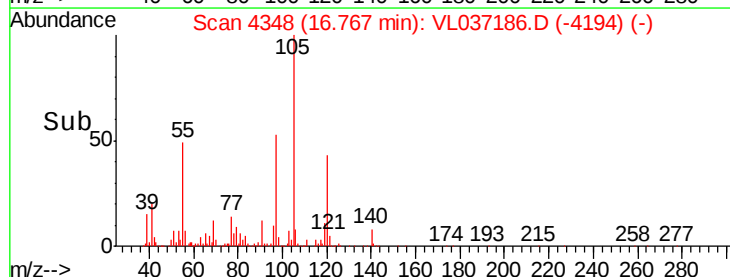
200000

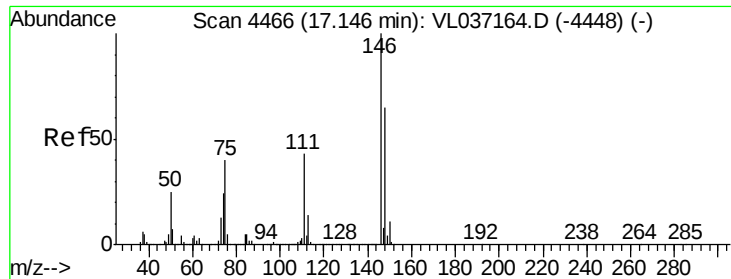
0

Time-->

16.70

16.80





#76

1,4-Dichlorobenzene

Concen: 0.193 ppbv

RT: 17.13 min Scan# 4462

Delta R.T. -0.01 min

Lab File: VL037186.D

Acq: 17 Jun 2021 1:30

Instrument :

MSVOA_L

ClientSampleId :

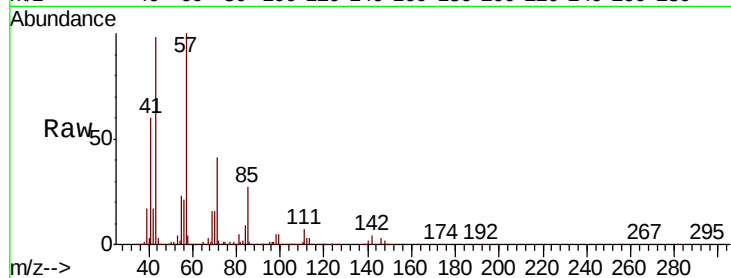
Tot Ion:146 Resp: 61416

Ion Ratio Lower Upper

146 100

111 257.0 22.7 68.0#

148 69.2 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

