

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037189.D
 Acq On : 17 Jun 2021 3:35
 Operator : SY/AP
 Sample : M2721-06
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 17 04:43:34 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	5.67	49	1515917	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4393628	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3937513	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3086708	10.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	49056	0.186	ppbv	99
3) Chlorodifluoromethane	2.96	51	8871189	30.095	ppbv #	57
4) Chloromethane	3.14	50	61842	0.630	ppbv #	87
7) Chloroethane	3.56	64	1004	0.026	ppbv #	42
9) Propene	3.20	41	1246510	13.226	ppbv	99
10) Heptane	8.12	43	79432	0.348	ppbv	99
11) Trichlorofluoromethane	3.95	101	50759	0.180	ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.49	101	4538	0.023	ppbv #	1
13) Ethanol	3.61	45	3044796	208.839	ppbv	47
15) Acetone	3.84	43	5934862	34.718	ppbv	93
16) 1,3-Butadiene	3.30	39	14449	0.143	ppbv #	31
17) tert-Butyl alcohol	4.30	59	756347	4.787	ppbv	97
19) Isopropyl Alcohol	3.97	45	816641	7.887	ppbv #	1
20) Methylene Chloride	4.34	84	621767	6.075	ppbv	96
21) Allyl Chloride	4.30	41	273626	2.124	ppbv #	56
23) Vinyl Acetate	5.06	43	154964	0.632	ppbv #	1
25) Ethyl Acetate	5.67	43	6285334	16.984	ppbv	98
26) Hexane	5.68	57	2450640	13.102	ppbv #	81
27) Carbon Disulfide	4.55	76	52692	0.288	ppbv #	82
29) Chloroform	5.74	83	11165	0.039	ppbv #	63
30) Cyclohexane	7.13	84	446821	2.867	ppbv	91
31) cis-1,2-Dichloroethene	5.67	61	631533	3.674	ppbv #	23
34) 2-Butanone	5.24	43	994589	5.821	ppbv	99
35) Carbon Tetrachloride	7.02	117	9090	0.031	ppbv #	78
36) Benzene	6.89	78	61054	0.172	ppbv	97
37) 1,2-Dichloroethane	6.31	62	14030	0.068	ppbv #	79
39) 1,2-Dichloropropane	7.18	63	1042677	7.898	ppbv #	23
40) 1,4-Dioxane	7.84	88	741	0.020	ppbv #	1
41) Tetrahydrofuran	6.06	42	92863	1.170	ppbv	94
43) Methyl Methacrylate	8.01	69	3746	0.031	ppbv #	1
44) 2,2,4-Trimethylpentane	7.87	57	120853	0.202	ppbv #	68
50) 4-Methyl-2-Pentanone	8.75	43	18468	0.079	ppbv #	50
51) 2-Hexanone	10.07	43	10075	0.088	ppbv #	27
53) Toluene	9.81	91	1521514	3.585	ppbv	98
58) Ethyl Benzene	12.71	91	463662	0.855	ppbv	99
59) m/p-Xylene	12.97	91	1387717	3.021	ppbv	97
60) o-Xylene	13.69	91	604656	1.382	ppbv	100
61) Styrene	13.53	104	7332221	32.480	ppbv	96
62) Isopropylbenzene	14.67	105	146135	0.235	ppbv	100
64) n-propylbenzene	15.57	120	72118	0.463	ppbv	87
65) tert-Butylbenzene	16.77	119	134112	0.243	ppbv #	62

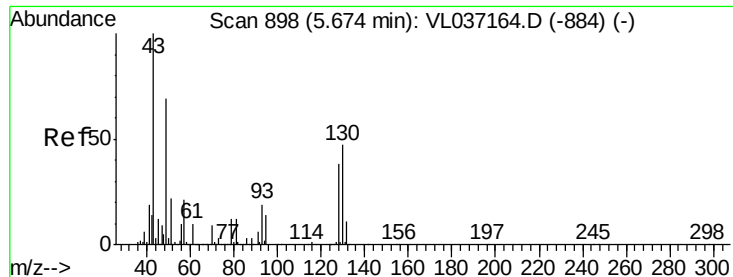
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037189.D
 Acq On : 17 Jun 2021 3:35
 Operator : SY/AP
 Sample : M2721-06
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 17 04:43:34 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)
66) Benzyl Chloride	16.87	91	2726	0.117	ppbv #	1
67) sec-Butylbenzene	17.30	105	102395	0.139	ppbv	98
69) p-Isopropyltoluene	17.65	119	82682	0.133	ppbv #	51
70) n-Butylbenzene	18.56	91	165265	0.287	ppbv #	51
71) 2-Chlorotoluene	15.77	91	48101	0.111	ppbv	75
72) 4-Ethyltoluene	15.84	105	312321	0.629	ppbv #	95
73) 1,3,5-Trimethylbenzene	16.00	105	392546	0.817	ppbv	94
74) 1,2,4-Trimethylbenzene	16.76	105	1161275	2.346	ppbv #	73
76) 1,4-Dichlorobenzene	17.14	146	32557	0.108	ppbv #	1
79) Naphthalene	22.20	128	20808	0.050	ppbv #	92

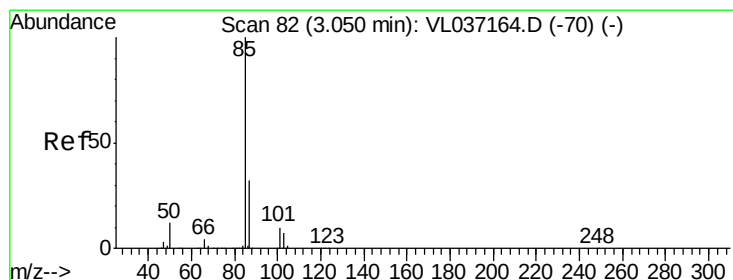
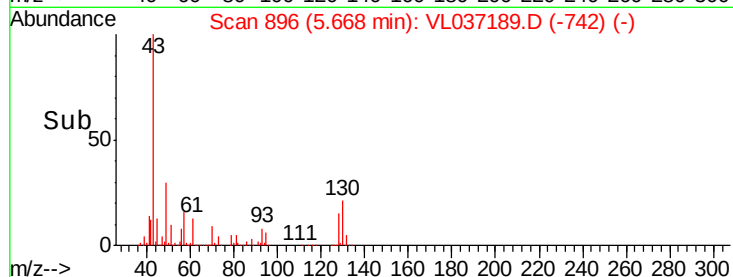
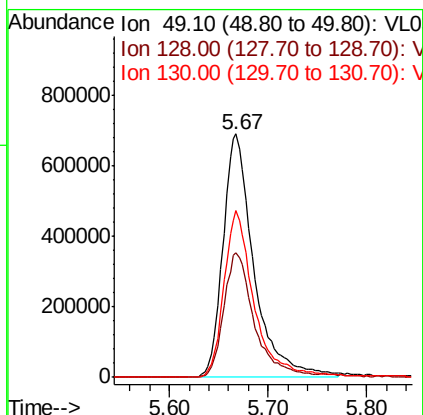
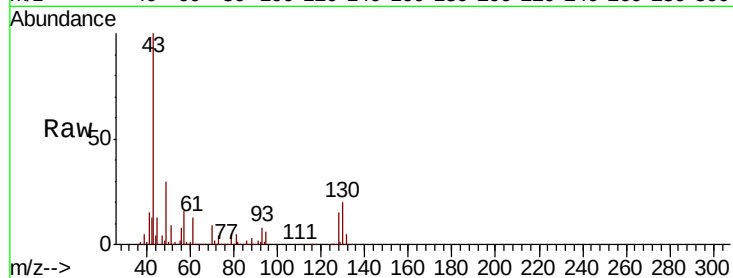
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: VL037189.D
 Acq: 17 Jun 2021 3:35

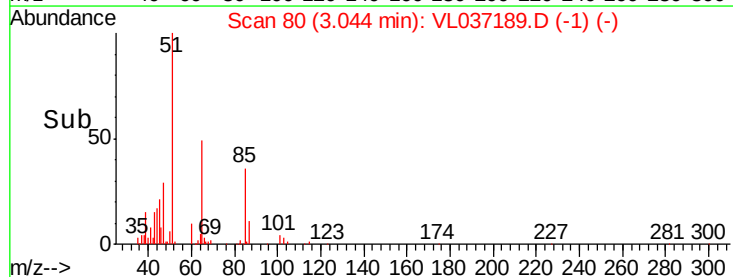
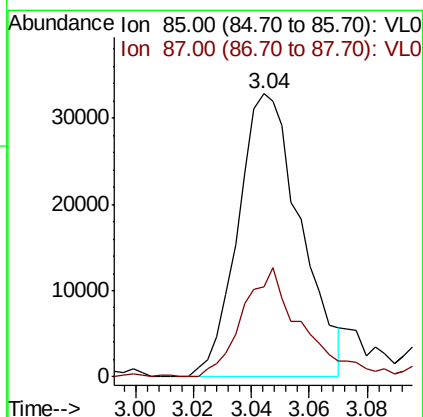
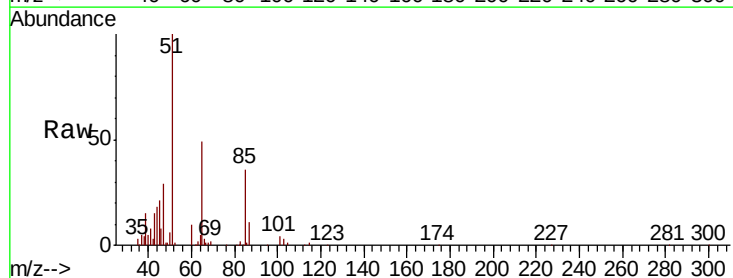
Instrument :
 MSVOA_L
 ClientSampled :

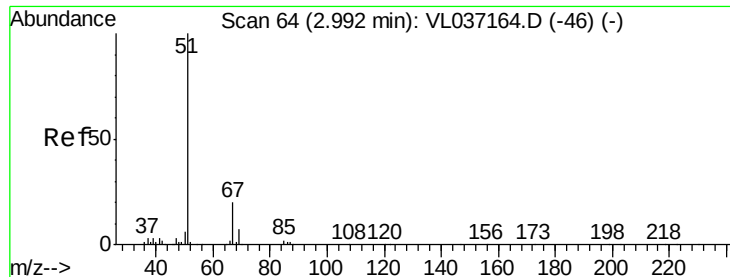
Tot Ion: 49 Resp: 1515917
 Ion Ratio Lower Upper
 49 100
 128 52.6 29.3 88.0
 130 68.1 35.9 107.8



#2
 Dichlorodifluoromethane
 Concen: 0.186 ppbv
 RT: 3.04 min Scan# 80
 Delta R.T. -0.01 min
 Lab File: VL037189.D
 Acq: 17 Jun 2021 3:35

Tgt Ion: 85 Resp: 49056
 Ion Ratio Lower Upper
 85 100
 87 31.8 25.8 38.6

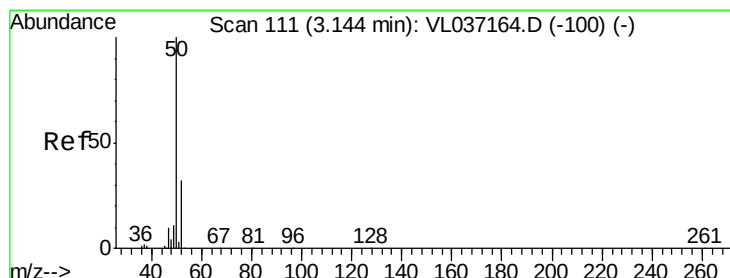
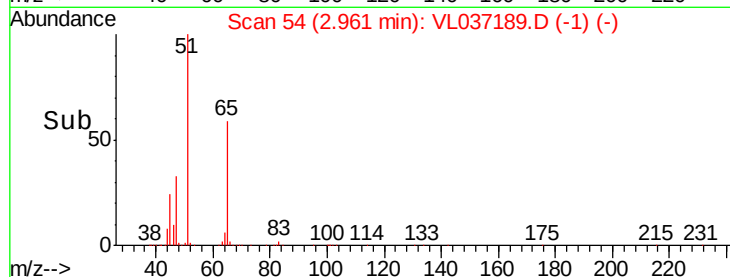
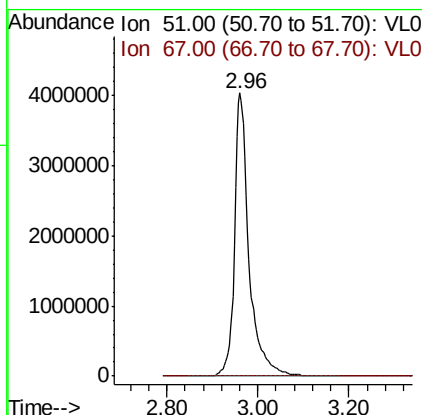
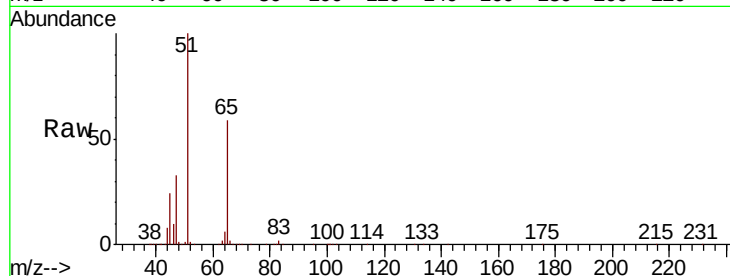




#3
 Chlorodifluoromethane
 Concen: 30.095 ppbv
 RT: 2.96 min Scan# 54
 Delta R.T. -0.03 min
 Lab File: VL037189.D
 Acq: 17 Jun 2021 3:35

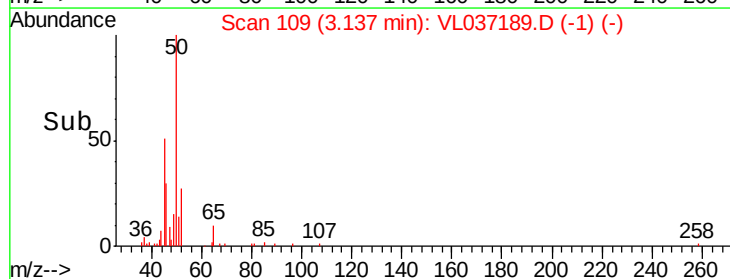
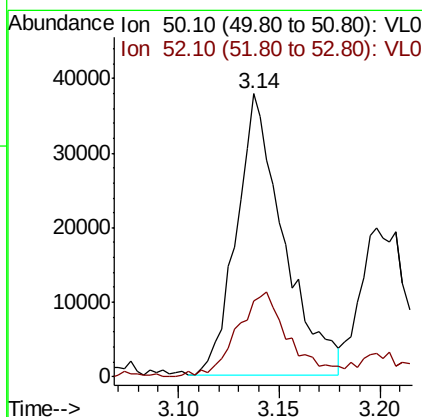
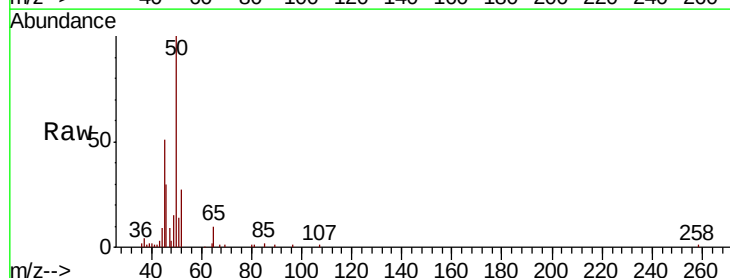
Instrument :
 MSVOA_L
 ClientSampleId :

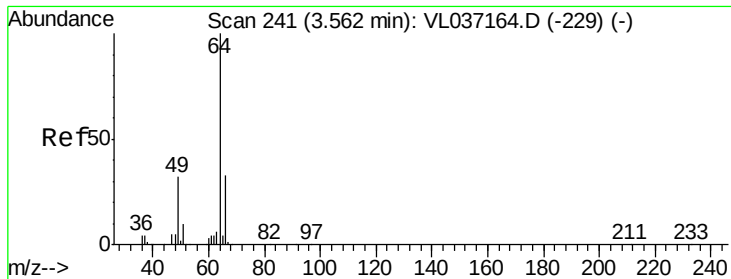
Tot Ion: 51 Resp: 8871189
 Ion Ratio Lower Upper
 51 100
 67 0.2 15.8 23.6#



#4
 Chloromethane
 Concen: 0.630 ppbv
 RT: 3.14 min Scan# 109
 Delta R.T. -0.01 min
 Lab File: VL037189.D
 Acq: 17 Jun 2021 3:35

Tgt Ion: 50 Resp: 61842
 Ion Ratio Lower Upper
 50 100
 52 25.3 25.8 38.8#





#7

Chloroethane

Concen: 0.026 ppbv

RT: 3.56 min Scan# 240

Delta R.T. -0.00 min

Lab File: VL037189.D

Acq: 17 Jun 2021 3:35

Instrument :

MSVOA_L

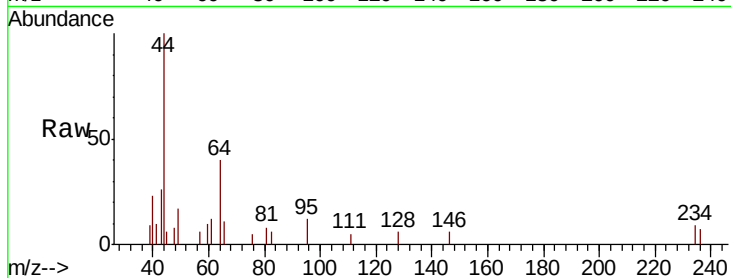
ClientSampled :

Tot Ion: 64 Resp: 1004

Ion Ratio Lower Upper

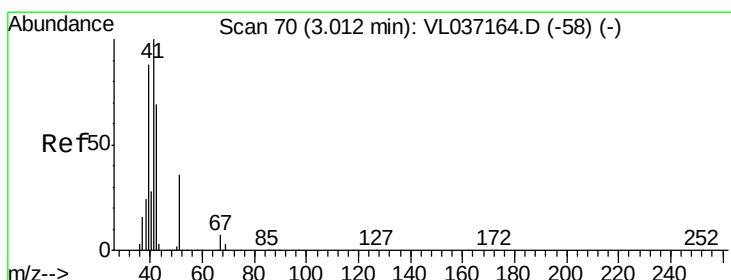
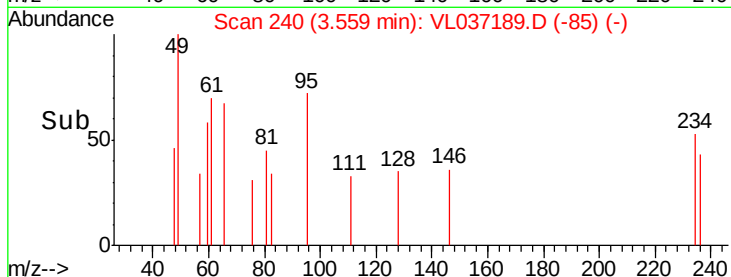
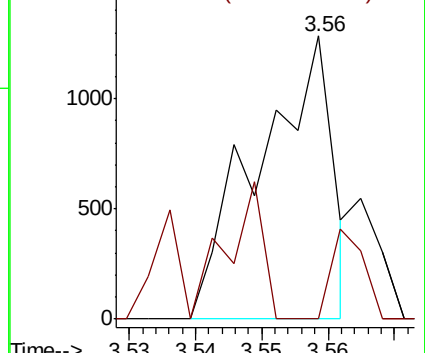
64 100

66 0.0 26.2 39.4#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 13.226 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.19 min

Lab File: VL037189.D

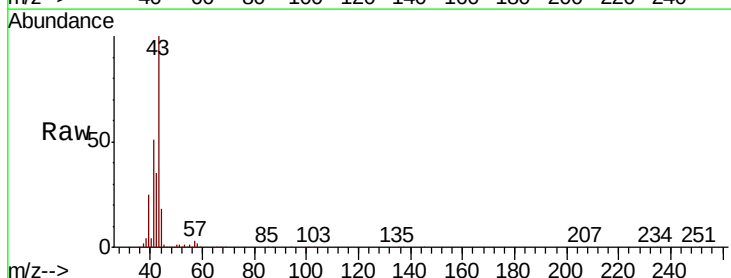
Acq: 17 Jun 2021 3:35

Tgt Ion: 41 Resp: 1246510

Ion Ratio Lower Upper

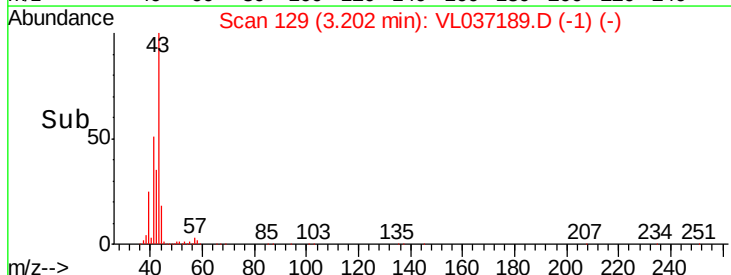
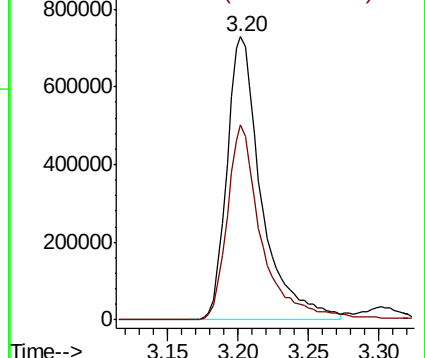
41 100

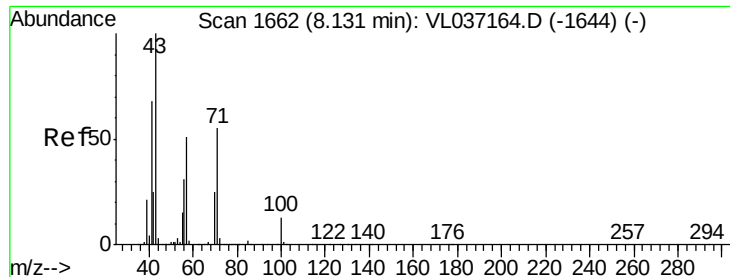
42 68.7 54.5 81.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.348 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL037189.D

Acq: 17 Jun 2021 3:35

Instrument :

MSVOA_L

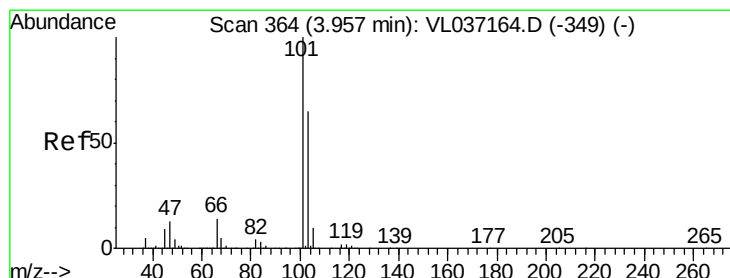
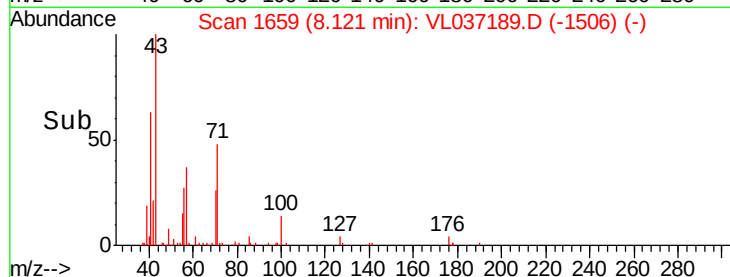
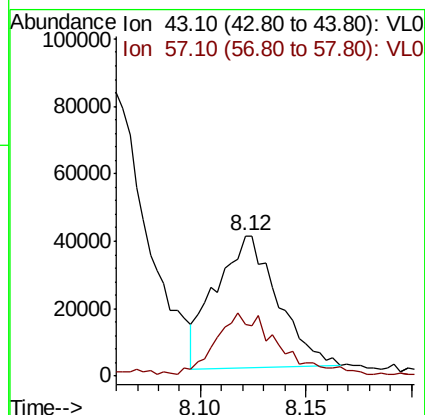
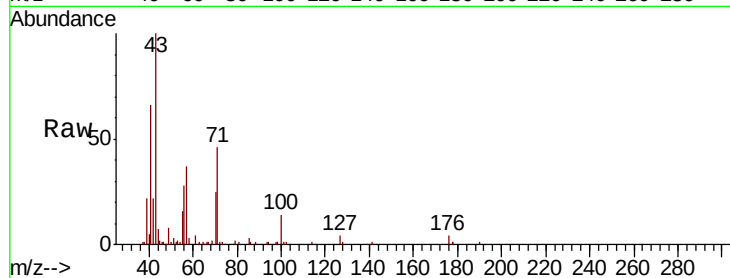
ClientSampleId :

Tot Ion: 43 Resp: 79432

Ion Ratio Lower Upper

43 100

57 51.5 40.6 61.0



#11

Trichlorofluoromethane

Concen: 0.180 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.01 min

Lab File: VL037189.D

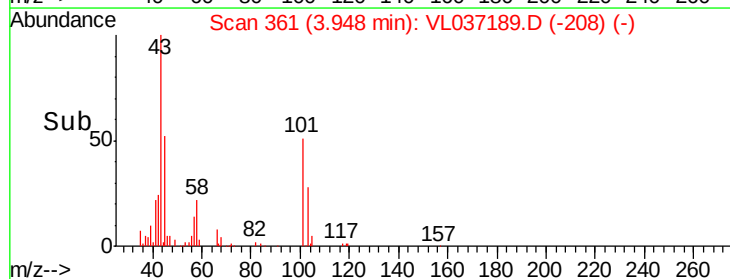
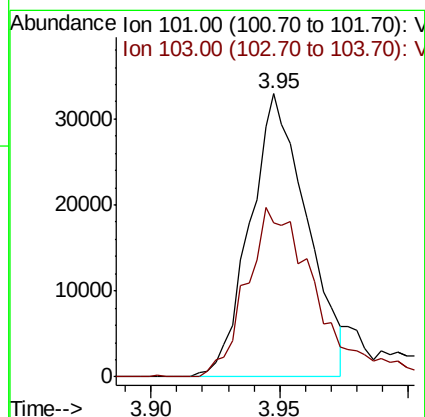
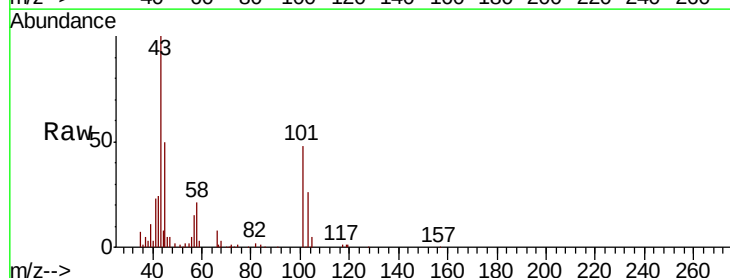
Acq: 17 Jun 2021 3:35

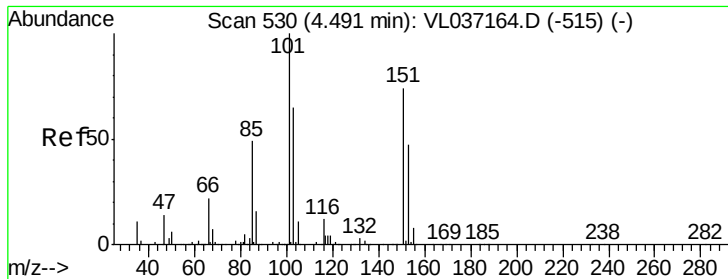
Tgt Ion: 101 Resp: 50759

Ion Ratio Lower Upper

101 100

103 54.5 52.2 78.4

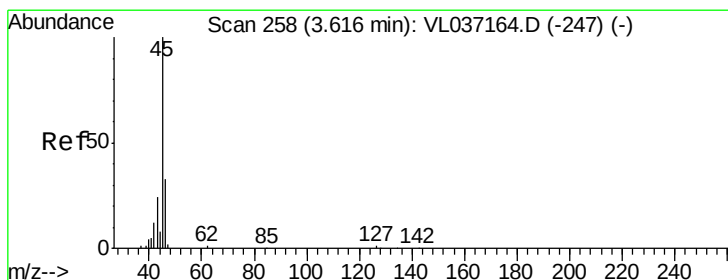
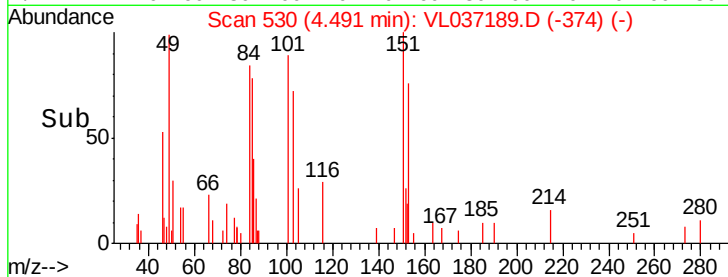
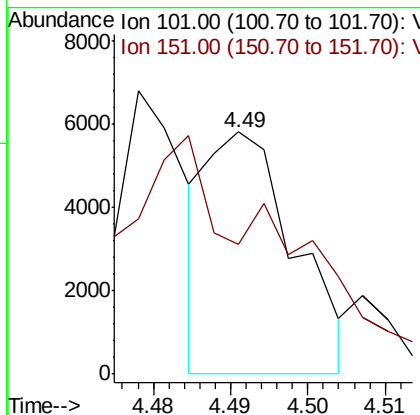
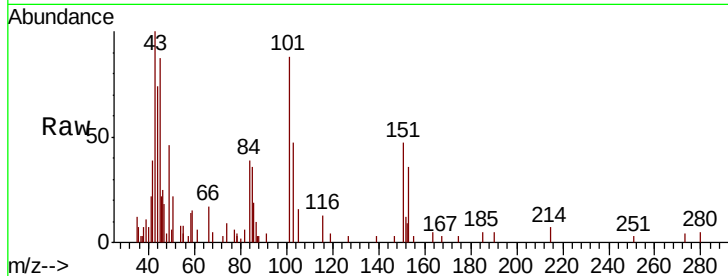




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.023 ppbv
RT: 4.49 min Scan# 530
Delta R.T. 0.00 min
Lab File: VL037189.D
Acq: 17 Jun 2021 3:35

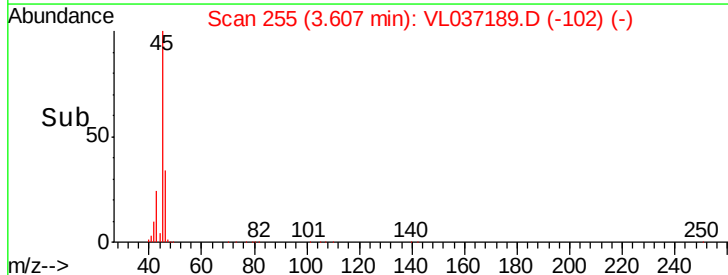
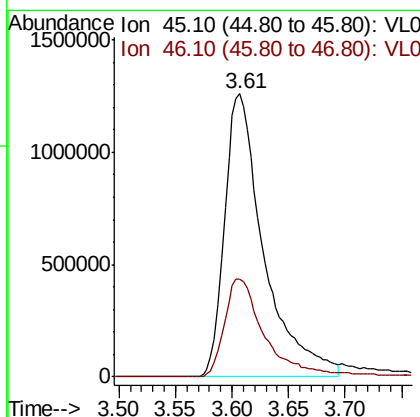
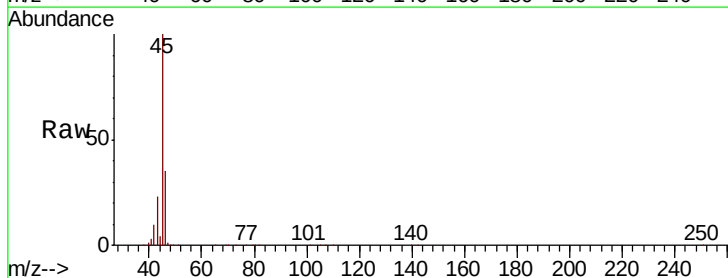
Instrument :
MSVOA_L
ClientSampleId :

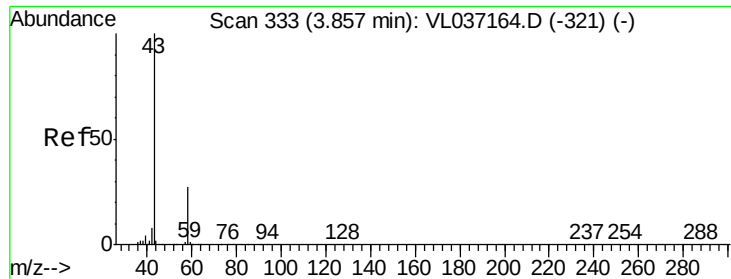
Tot Ion:101 Resp: 4538
Ion Ratio Lower Upper
101 100
151 222.7 59.1 88.7#



#13
Ethanol
Concen: 208.839 ppbv
RT: 3.61 min Scan# 255
Delta R.T. -0.01 min
Lab File: VL037189.D
Acq: 17 Jun 2021 3:35

Tgt Ion: 45 Resp: 3044796
Ion Ratio Lower Upper
45 100
46 36.9 34.2 137.0





#15

Acetone

Concen: 34.718 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.01 min

Lab File: VL037189.D

Acq: 17 Jun 2021 3:35

Instrument :

MSVOA_L

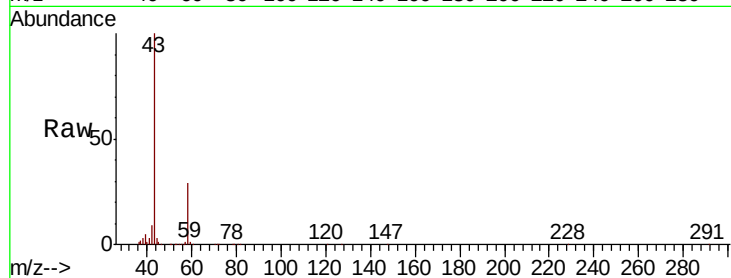
ClientSampleId :

Tot Ion: 43 Resp: 5934862

Ion Ratio Lower Upper

43 100

58 25.8 23.7 35.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

2500000

2000000

1500000

1000000

500000

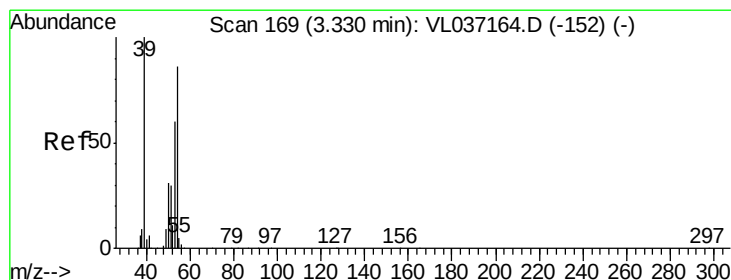
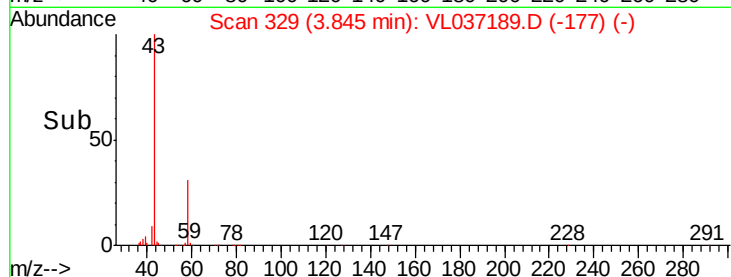
0

3.84

3.80

3.90

Time-->



#16

1,3-Butadiene

Concen: 0.143 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.03 min

Lab File: VL037189.D

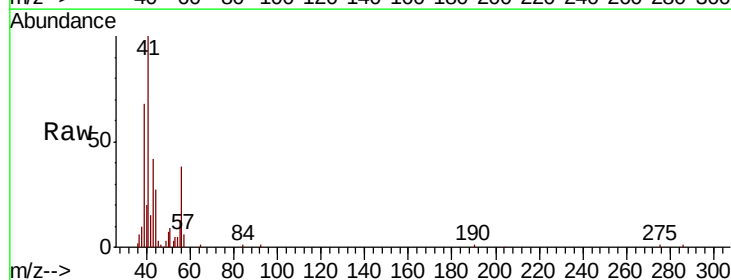
Acq: 17 Jun 2021 3:35

Tgt Ion: 39 Resp: 14449

Ion Ratio Lower Upper

39 100

54 17.2 61.2 91.8#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

25000

20000

15000

10000

5000

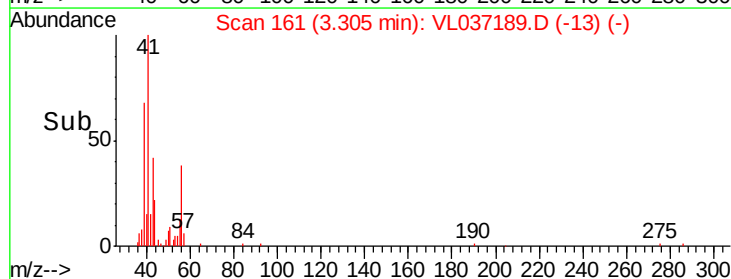
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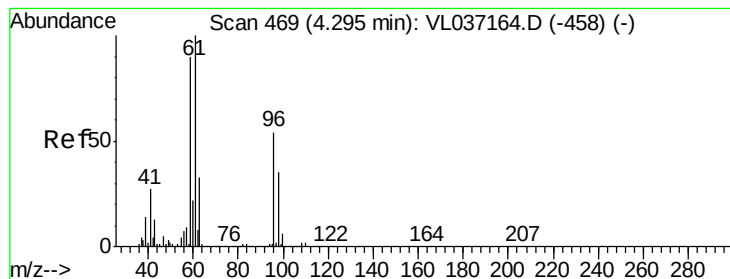
3.30

3.28

3.32

Time-->



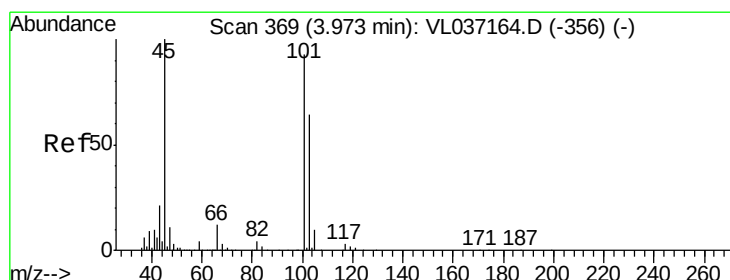
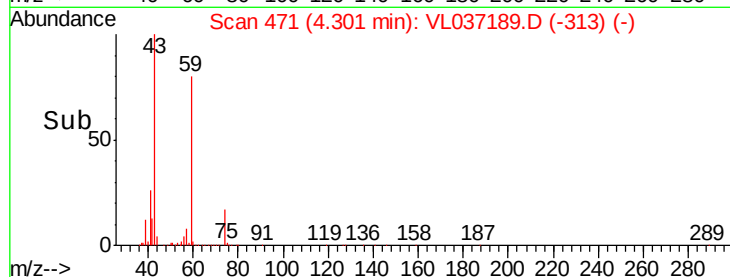
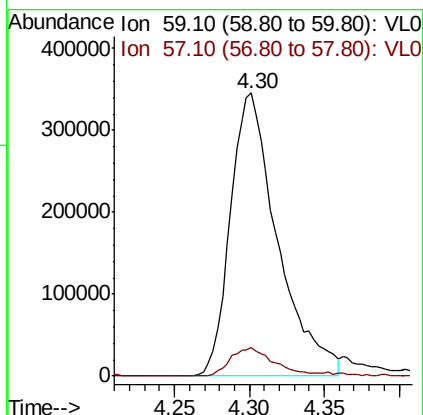
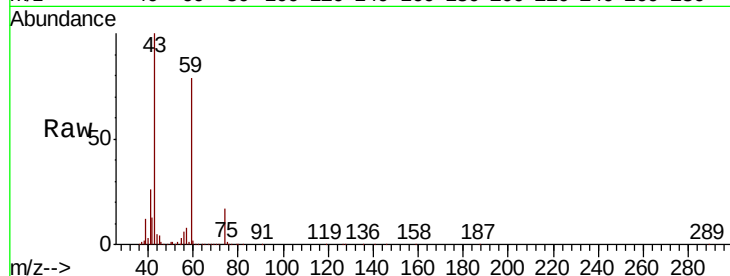


#17

tert-Butyl alcohol
Concen: 4.787 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL037189.D
Acq: 17 Jun 2021 3:35

Instrument :
MSVOA_L
ClientSampleId :

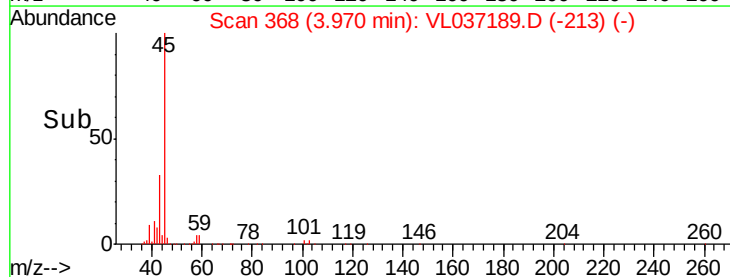
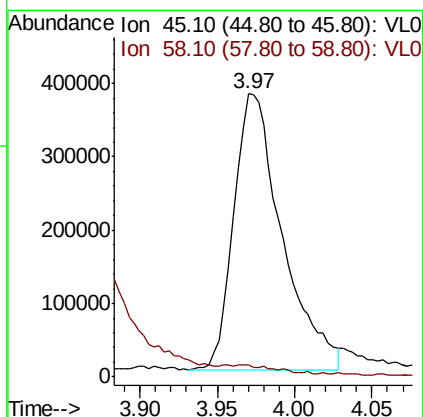
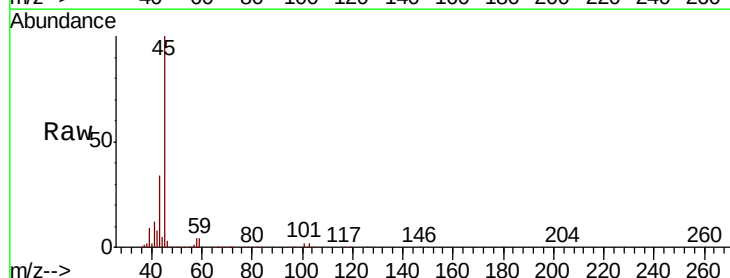
Tot Ion: 59 Resp: 756347
Ion Ratio Lower Upper
59 100
57 9.9 8.8 13.2

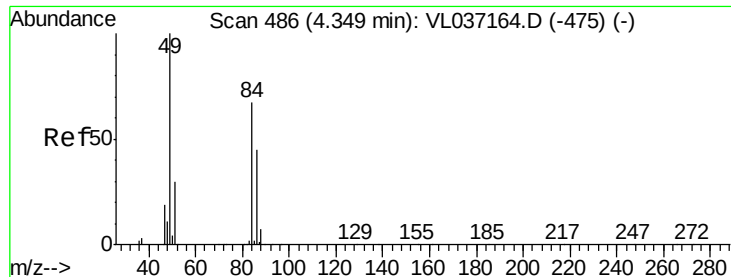


#19

Isopropyl Alcohol
Concen: 7.887 ppbv
RT: 3.97 min Scan# 368
Delta R.T. -0.00 min
Lab File: VL037189.D
Acq: 17 Jun 2021 3:35

Tgt Ion: 45 Resp: 816641
Ion Ratio Lower Upper
45 100
58 187.3 2.4 3.6#

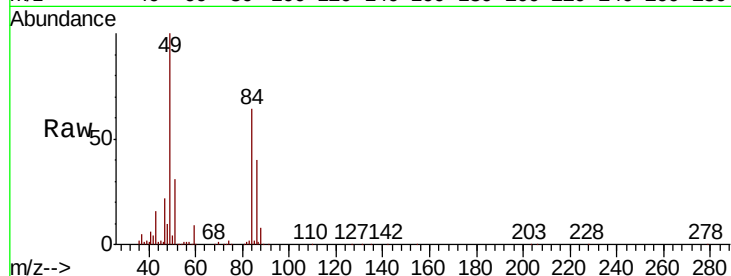




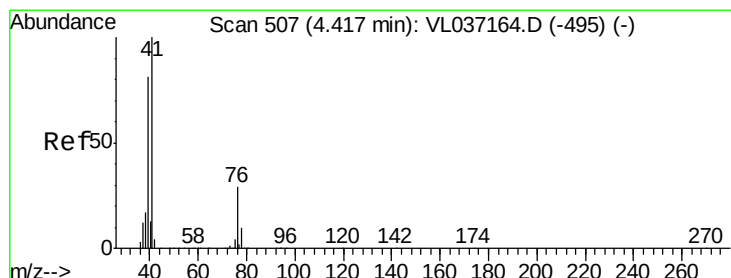
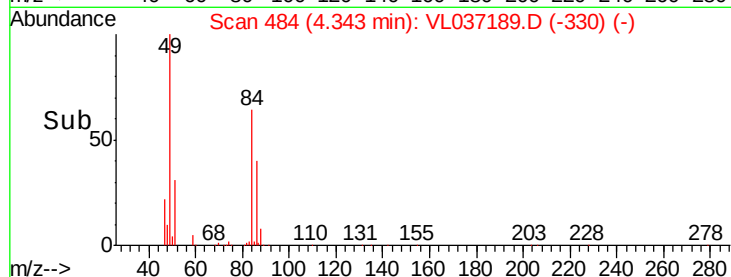
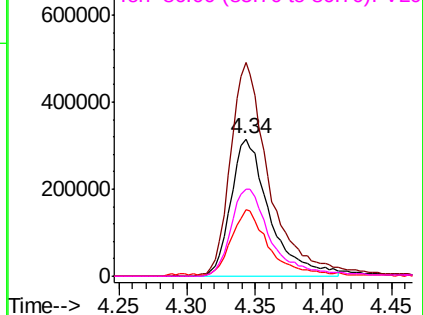
#20
Methylene Chloride
Concen: 6.075 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.01 min
Lab File: VL037189.D
Acq: 17 Jun 2021 3:35

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	84	Resp:	621767
Ion	Ratio	Lower	Upper
84	100		
49	154.9	119.7	179.5
51	46.9	36.1	54.1
86	62.8	53.7	80.5

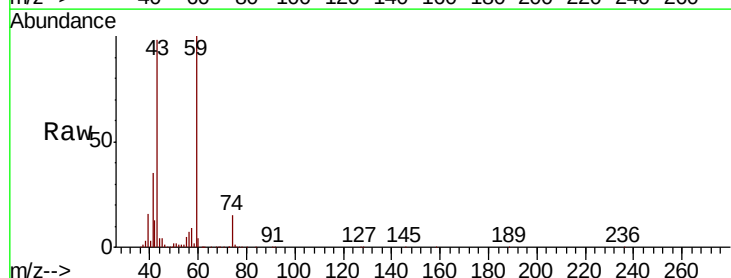


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

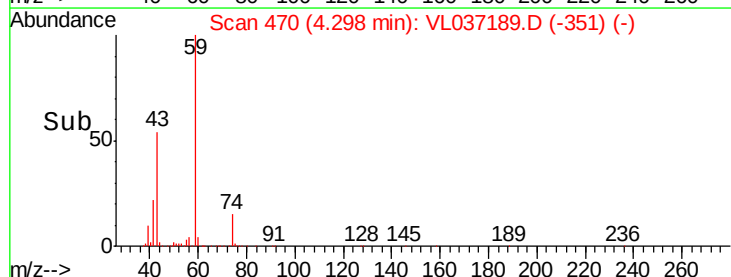
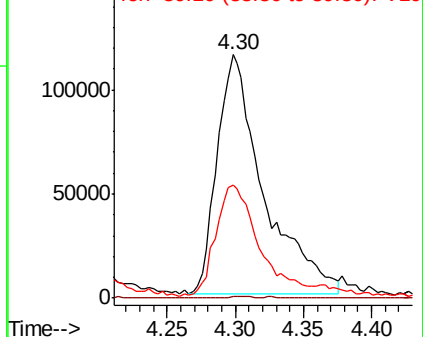


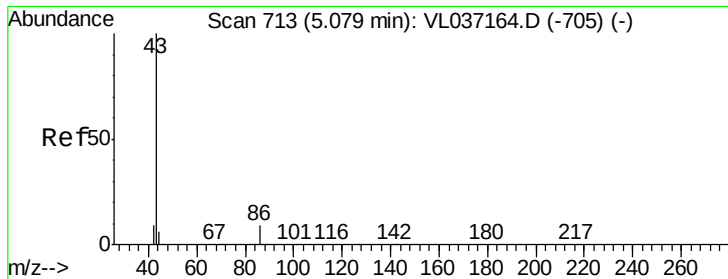
#21
Allyl Chloride
Concen: 2.124 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.12 min
Lab File: VL037189.D
Acq: 17 Jun 2021 3:35

Tgt Ion:	41	Resp:	273626
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.6	37.0#
39	46.0	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: 0.632 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.02 min

Lab File: VL037189.D

Acq: 17 Jun 2021 3:35

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 154964

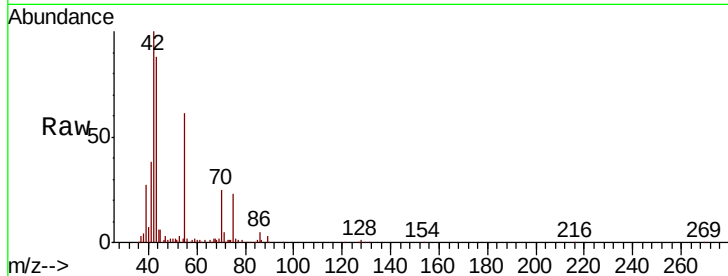
Ion Ratio Lower Upper

43 100

86 7.5 5.8 8.8

42 116.8 8.2 12.2#

44 2.6 4.2 6.4#

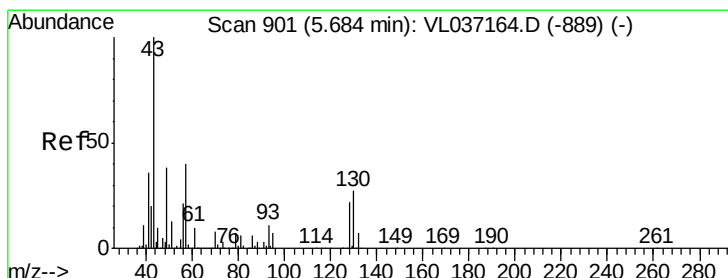
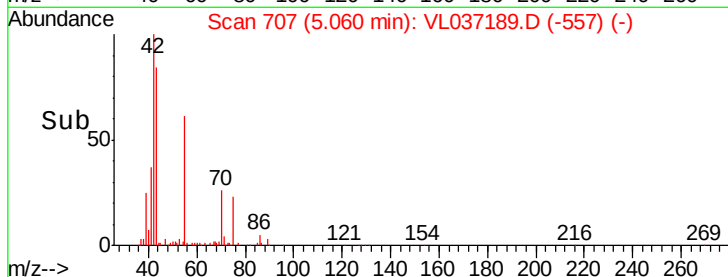
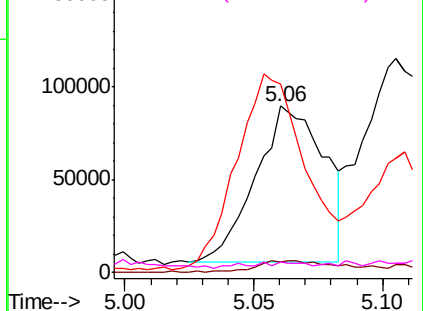


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 16.984 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL037189.D

Acq: 17 Jun 2021 3:35

Tgt Ion: 43 Resp: 6285334

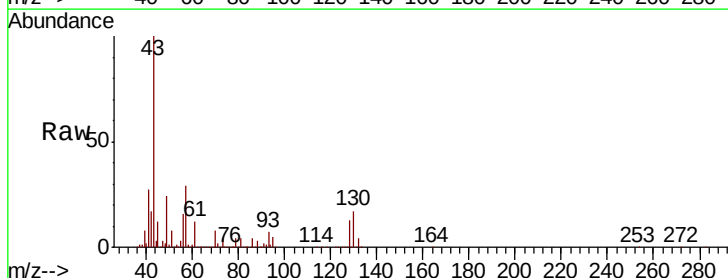
Ion Ratio Lower Upper

43 100

45 11.0 8.0 12.0

61 10.4 8.1 12.1

70 8.1 5.5 8.3

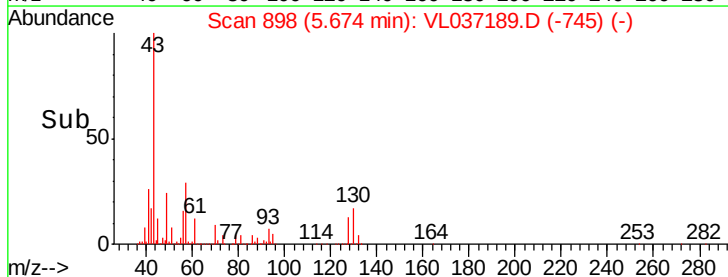
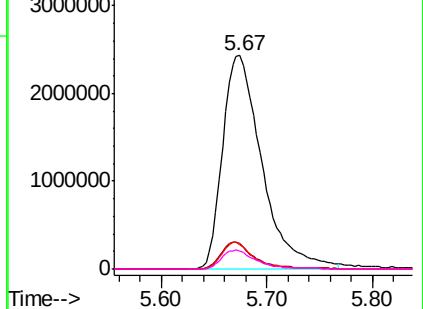


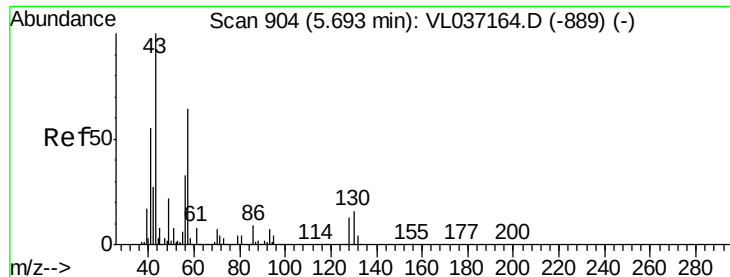
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

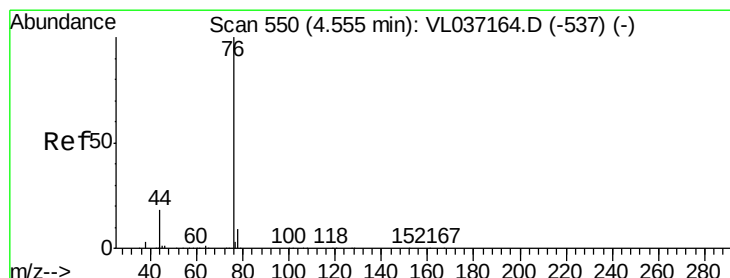
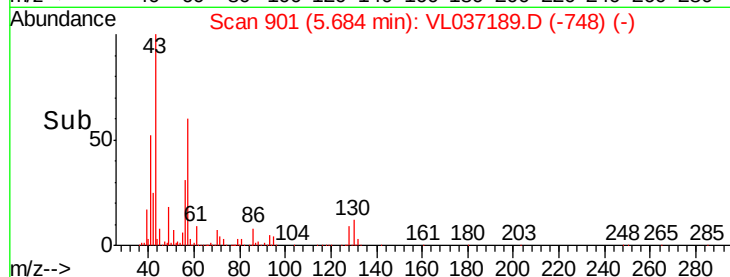
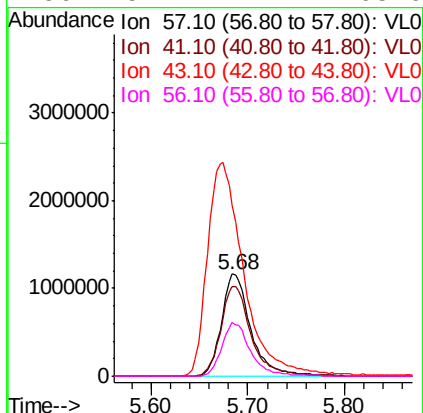
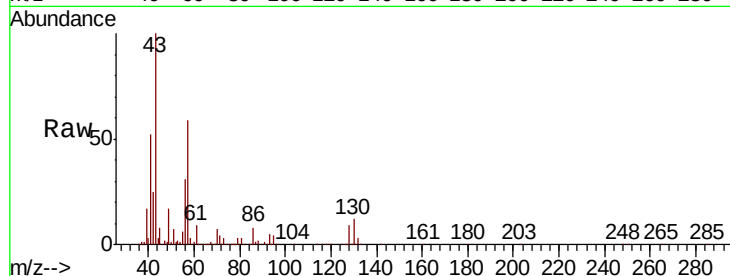




#26
Hexane
Concen: 13.102 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL037189.D
Acq: 17 Jun 2021 3:35

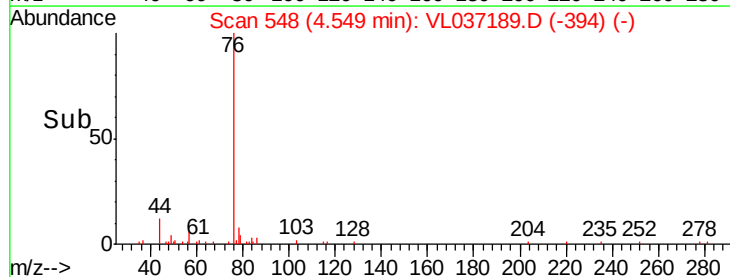
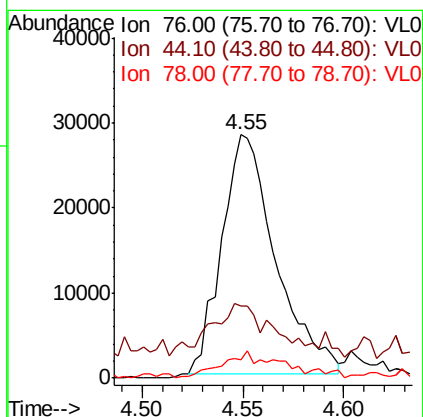
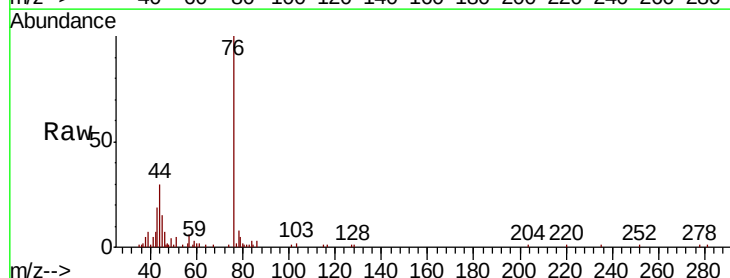
Instrument :
MSVOA_L
ClientSampleId :

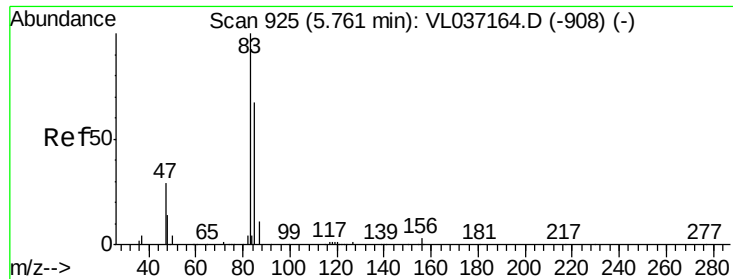
Tot Ion: 57 Resp: 2450640
Ion Ratio Lower Upper
57 100
41 91.6 73.5 110.3
43 262.2 170.7 256.1#
56 52.4 42.4 63.6



#27
Carbon Disulfide
Concen: 0.288 ppbv
RT: 4.55 min Scan# 548
Delta R.T. -0.01 min
Lab File: VL037189.D
Acq: 17 Jun 2021 3:35

Tgt Ion: 76 Resp: 52692
Ion Ratio Lower Upper
76 100
44 29.6 15.4 23.2#
78 13.4 8.0 12.0#

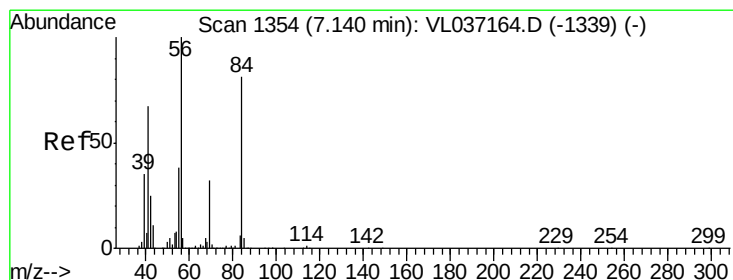
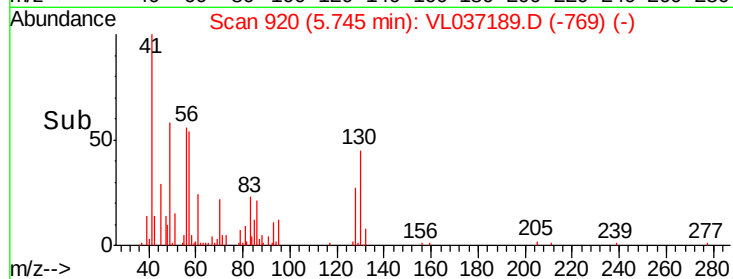
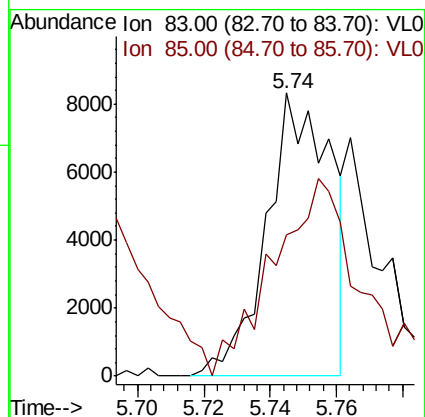
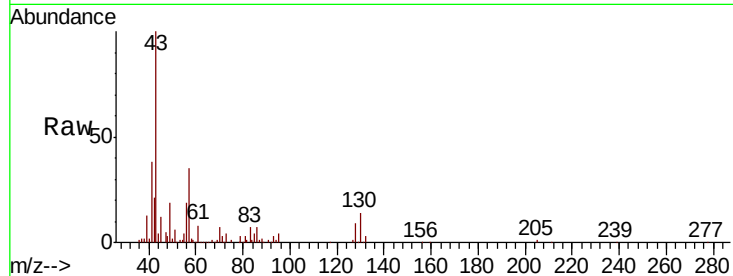




#29
Chloroform
Concen: 0.039 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.02 min
Lab File: VL037189.D
Acq: 17 Jun 2021 3:35

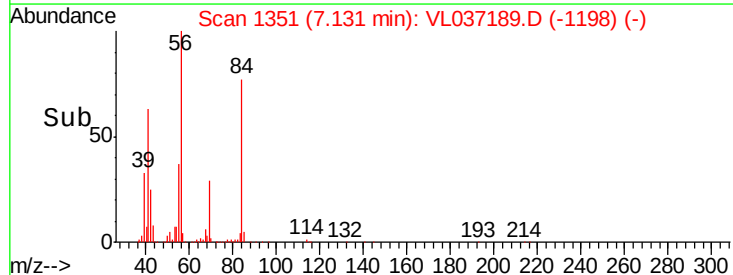
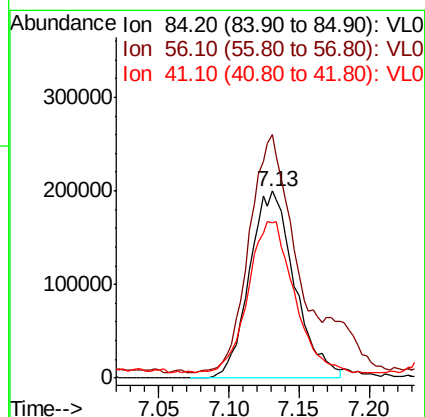
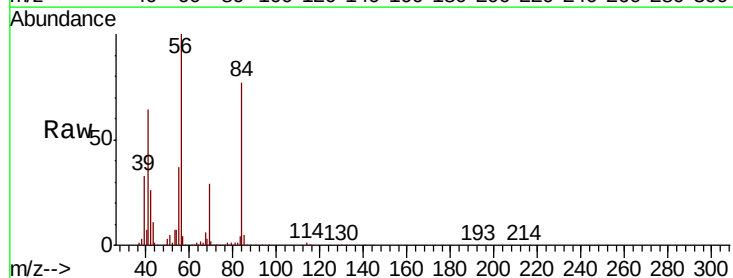
Instrument :
MSVOA_L
ClientSampled :

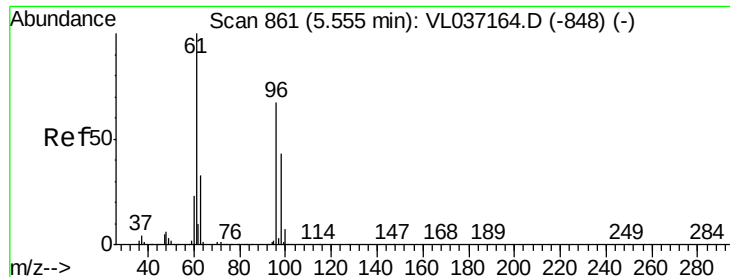
Tot Ion: 83 Resp: 11165
Ion Ratio Lower Upper
83 100
85 37.7 53.6 80.4#



#30
Cyclohexane
Concen: 2.867 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL037189.D
Acq: 17 Jun 2021 3:35

Tgt Ion: 84 Resp: 446821
Ion Ratio Lower Upper
84 100
56 149.1 107.7 161.5
41 89.9 69.0 103.6



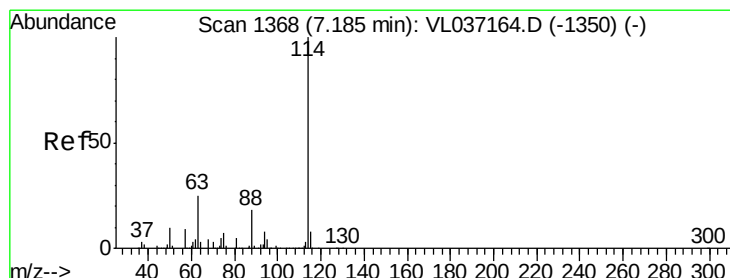
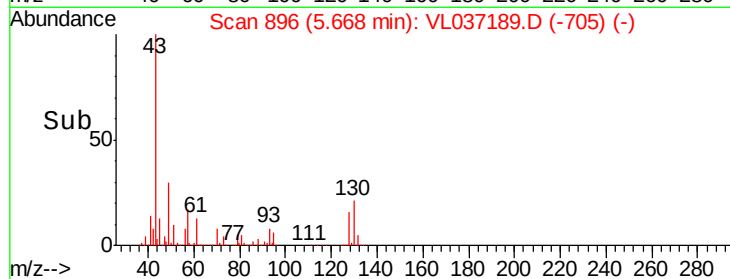
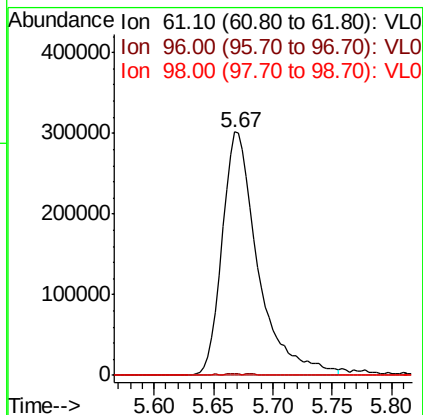
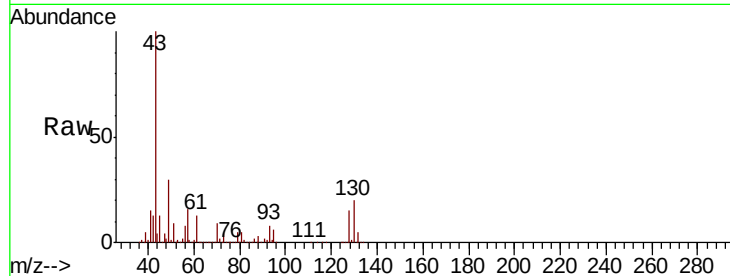


#31

cis-1,2-Dichloroethene
 Concen: 3.674 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. 0.11 min
 Lab File: VL037189.D
 Acq: 17 Jun 2021 3:35

Instrument :
 MSVOA_L
 ClientSampleId :

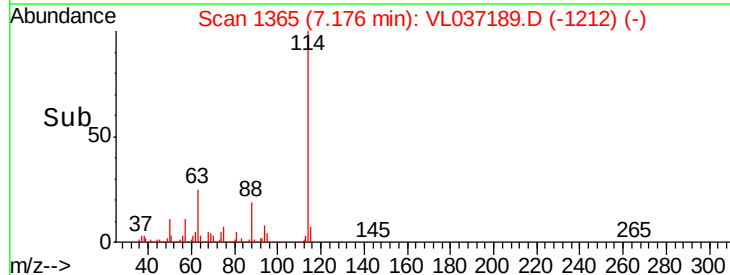
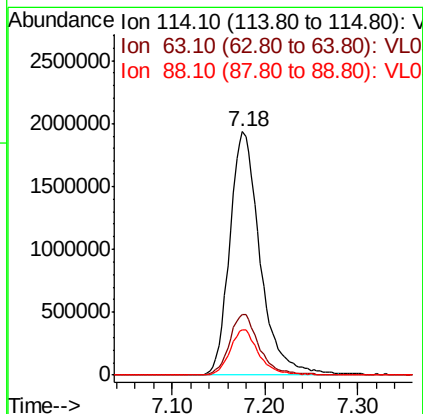
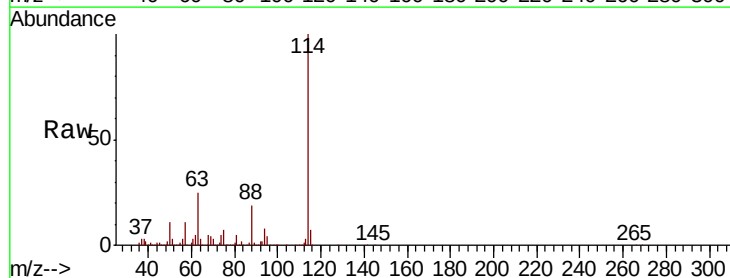
Tot Ion	Ratio	Lower	Upper
61	100		
96	0.6	53.6	80.4#
98	0.0	34.7	52.1#

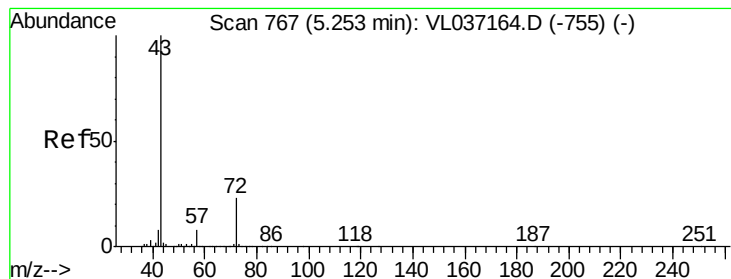


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL037189.D
 Acq: 17 Jun 2021 3:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.6	29.4
88	18.1	14.2	21.2





#34

2-Butanone

Concen: 5.821 ppbv

RT: 5.24 min Scan# 764

Delta R.T. -0.01 min

Lab File: VL037189.D

Acq: 17 Jun 2021 3:35

Instrument :

MSVOA_L

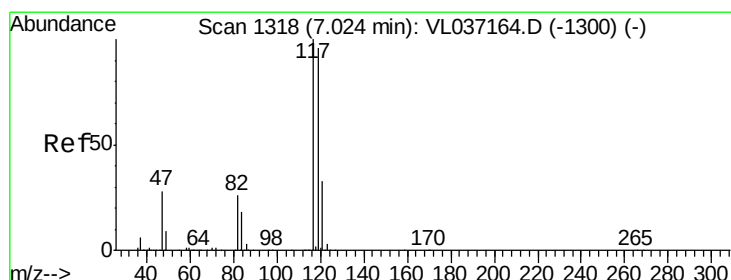
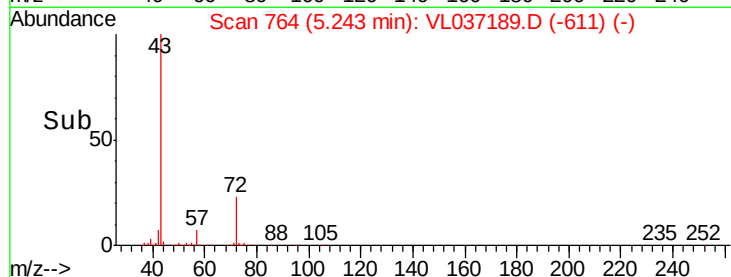
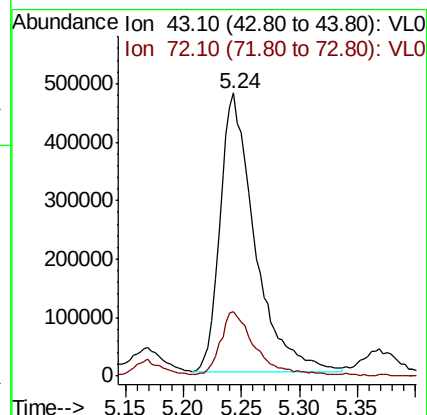
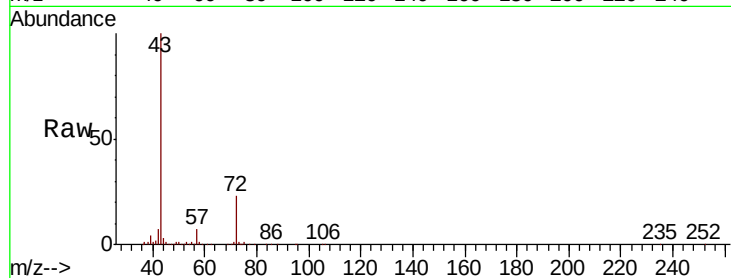
ClientSampleId :

Tot Ion: 43 Resp: 994589

Ion Ratio Lower Upper

43 100

72 24.0 18.9 28.3



#35

Carbon Tetrachloride

Concen: 0.031 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VL037189.D

Acq: 17 Jun 2021 3:35

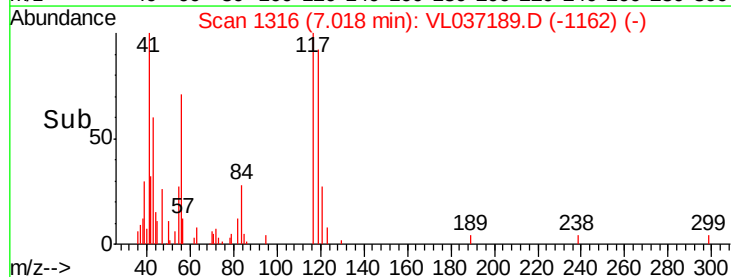
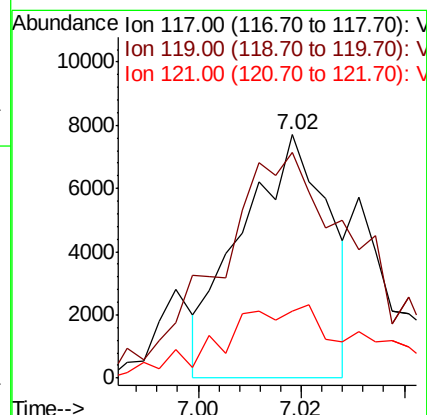
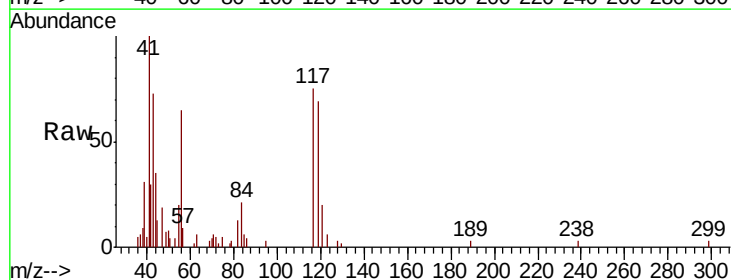
Tgt Ion: 117 Resp: 9090

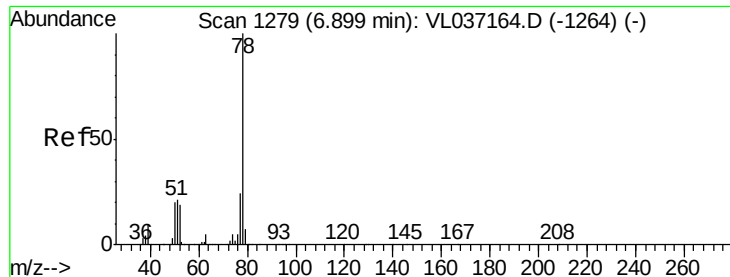
Ion Ratio Lower Upper

117 100

119 68.1 76.6 114.8#

121 31.3 26.4 39.6





#36

Benzene

Concen: 0.172 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VL037189.D

Acq: 17 Jun 2021 3:35

Instrument :

MSVOA_L

ClientSampleId :

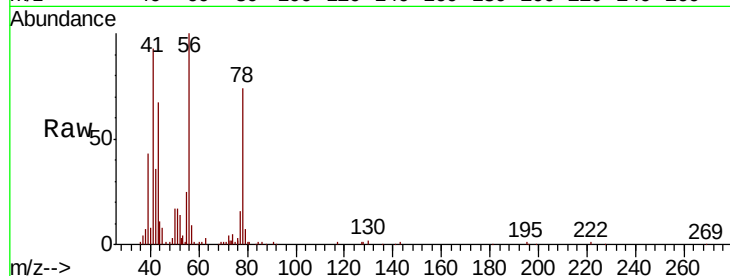
Tot Ion: 78 Resp: 61054

Ion Ratio Lower Upper

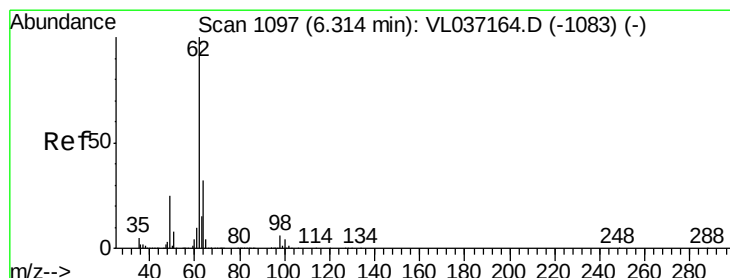
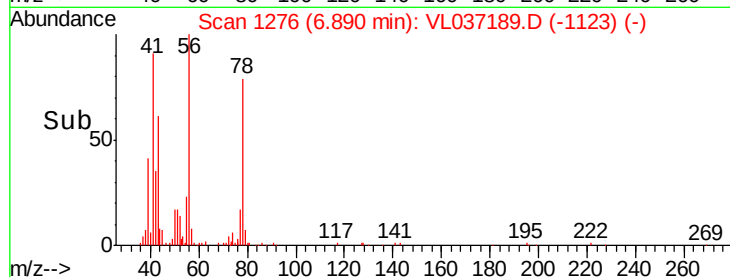
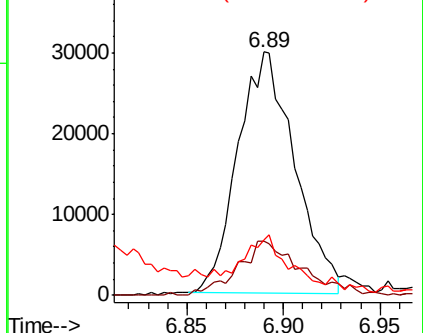
78 100

77 22.4 19.0 28.6

50 18.0 15.7 23.5



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



#37

1,2-Dichloroethane

Concen: 0.068 ppbv

RT: 6.31 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VL037189.D

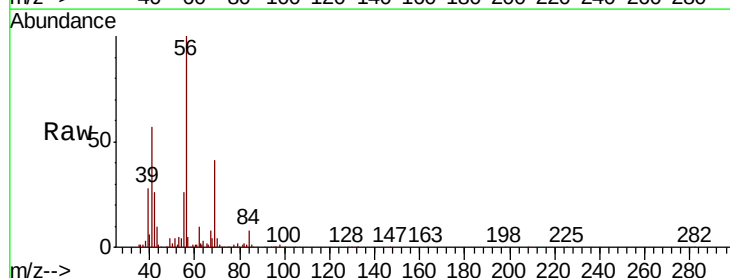
Acq: 17 Jun 2021 3:35

Tgt Ion: 62 Resp: 14030

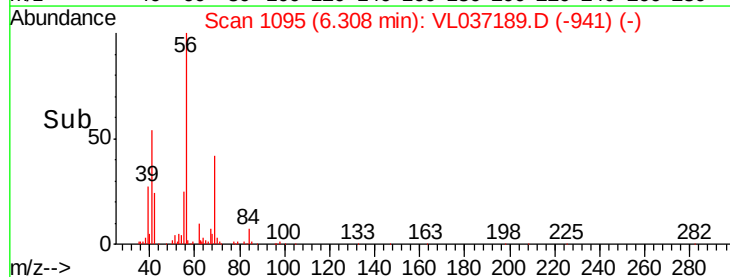
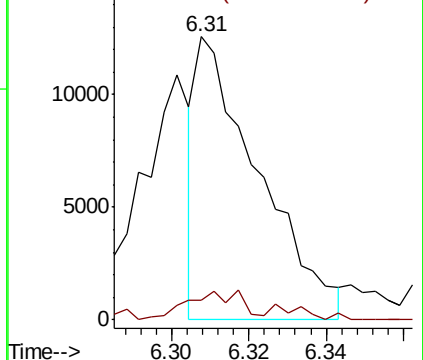
Ion Ratio Lower Upper

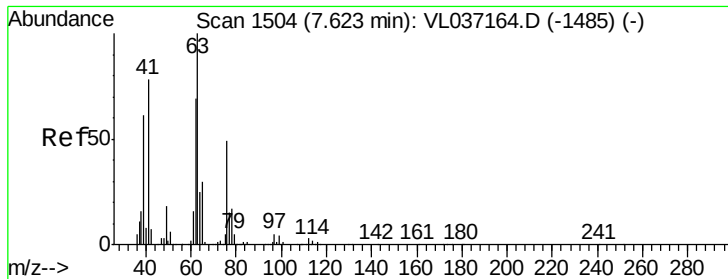
62 100

98 13.3 5.0 7.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#39

1,2-Dichloropropane

Concen: 7.898 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.44 min

Lab File: VL037189.D

Acq: 17 Jun 2021 3:35

Instrument :

MSVOA_L

ClientSampleId :

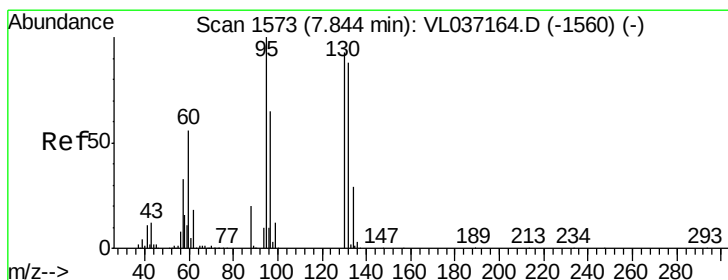
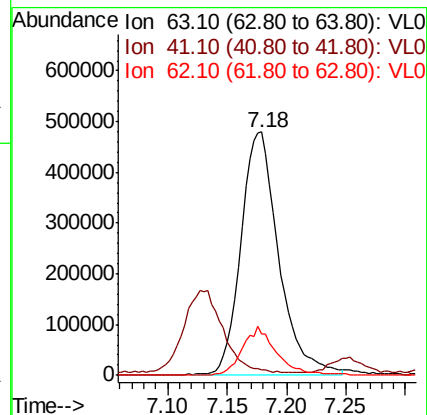
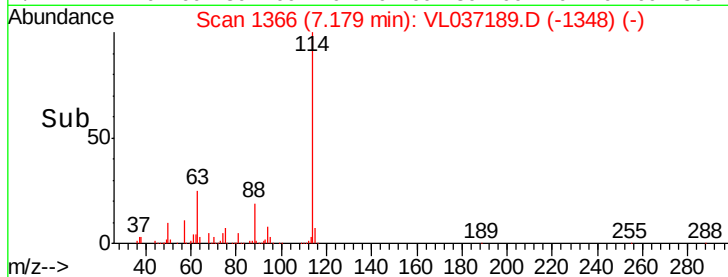
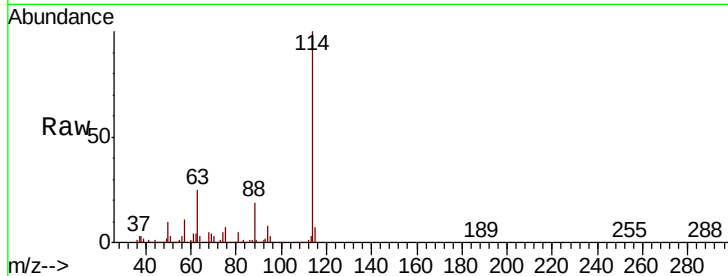
Tot Ion: 63 Resp: 1042677

Ion Ratio Lower Upper

63 100

41 0.0 62.0 93.0#

62 17.0 54.9 82.3#



#40

1,4-Dioxane

Concen: 0.020 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VL037189.D

Acq: 17 Jun 2021 3:35

Tgt Ion: 88 Resp: 741

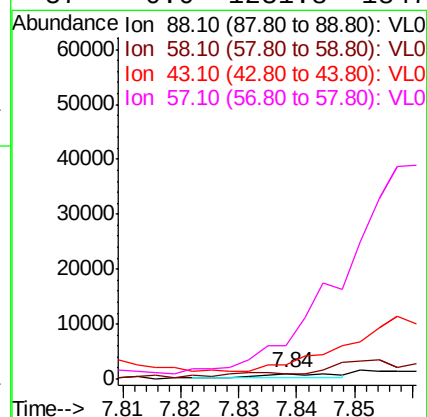
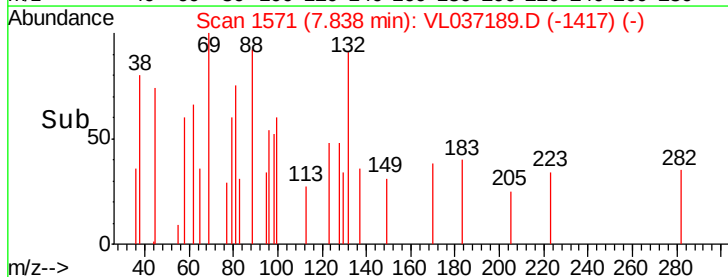
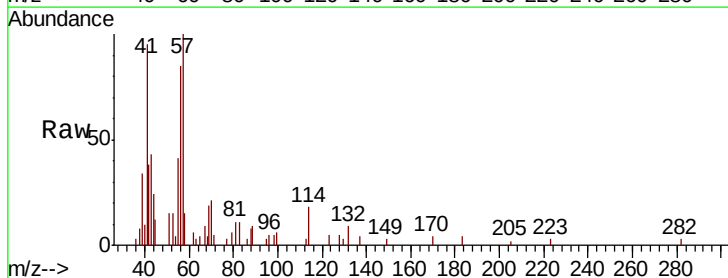
Ion Ratio Lower Upper

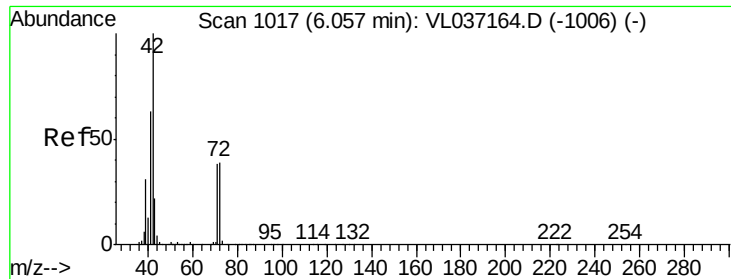
88 100

58 0.0 118.4 177.6#

43 0.0 284.0 426.0#

57 0.0 1231.8 1847.6#

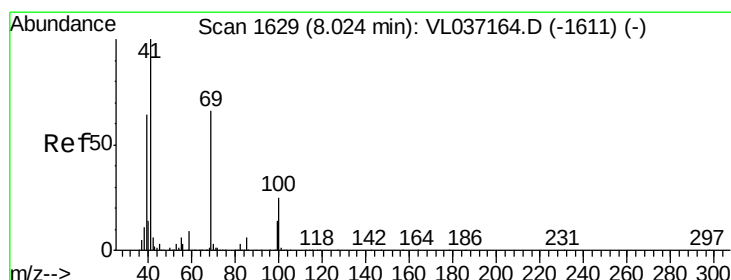
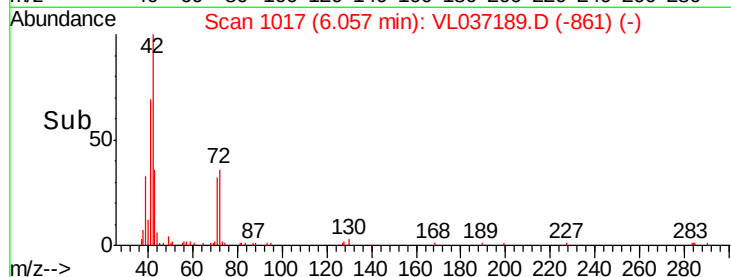
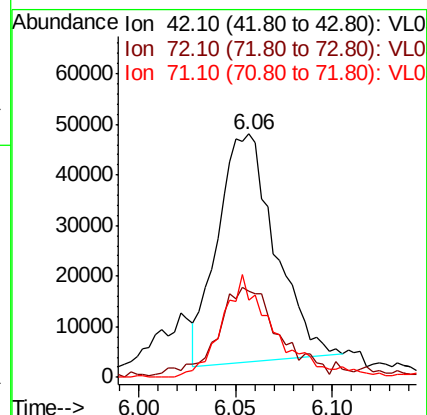
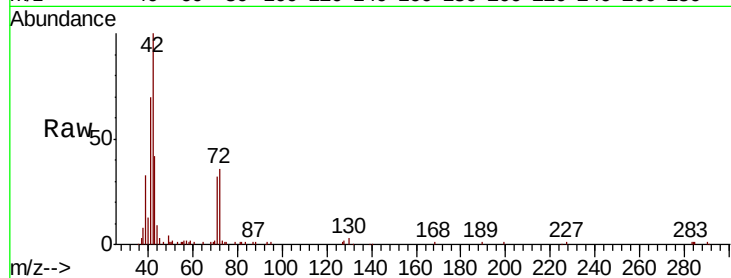




#41
Tetrahydrofuran
Concen: 1.170 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VL037189.D
Acq: 17 Jun 2021 3:35

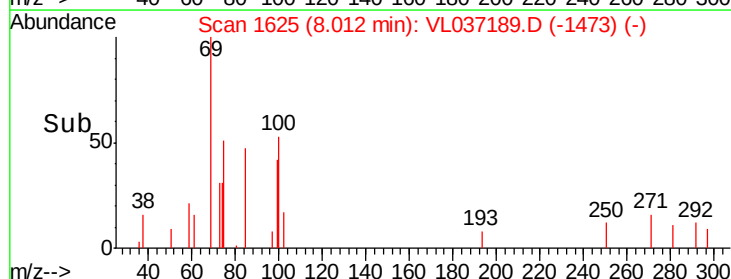
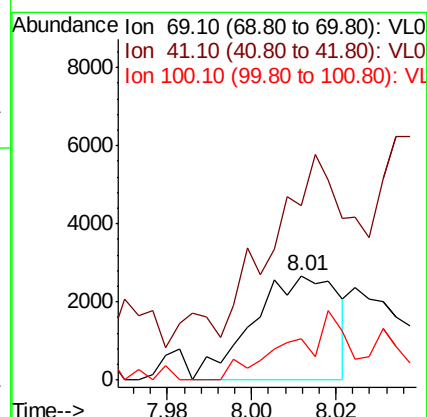
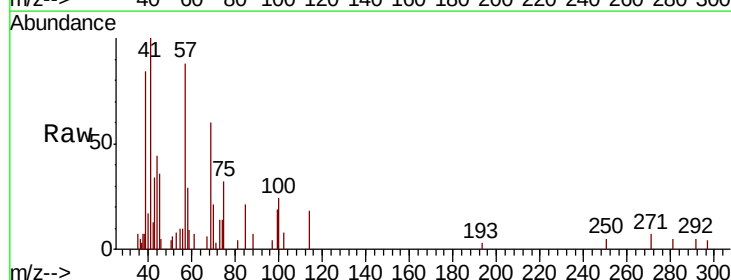
Instrument :
MSVOA_L
ClientSampleId :

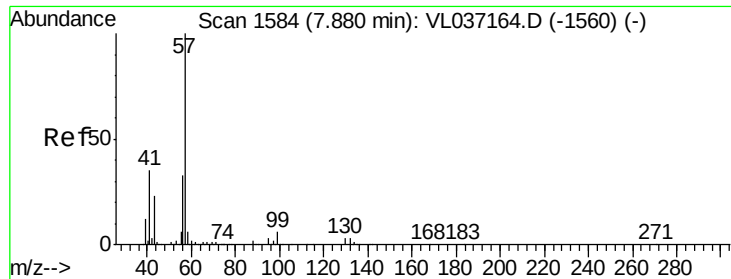
Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	33.0	49.4
71	42.3	31.0	46.6



#43
Methyl Methacrylate
Concen: 0.031 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.01 min
Lab File: VL037189.D
Acq: 17 Jun 2021 3:35

Tgt Ion	Ratio	Lower	Upper
69	100		
41	0.0	119.4	179.0#
100	75.3	28.6	43.0#

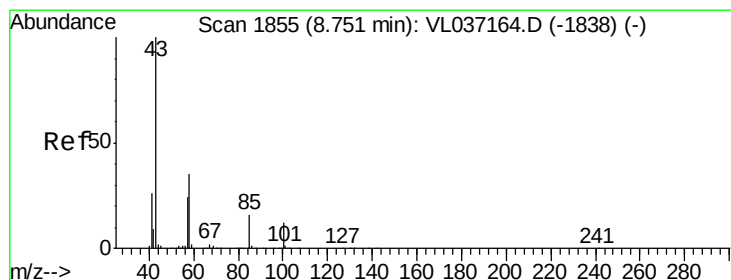
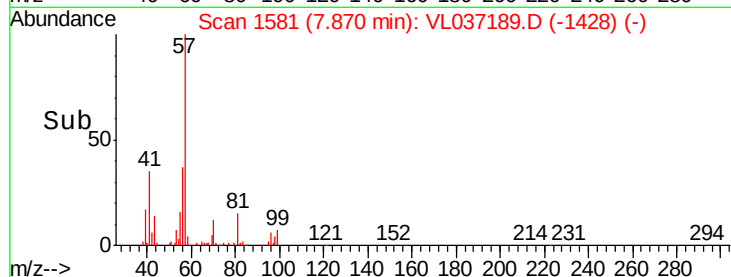
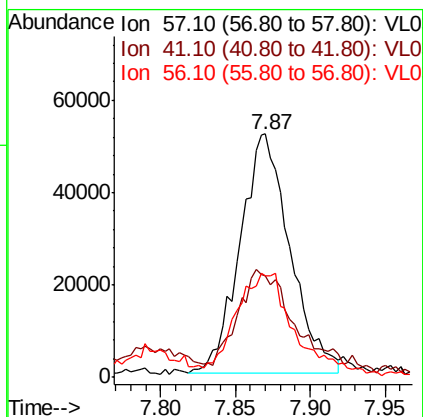
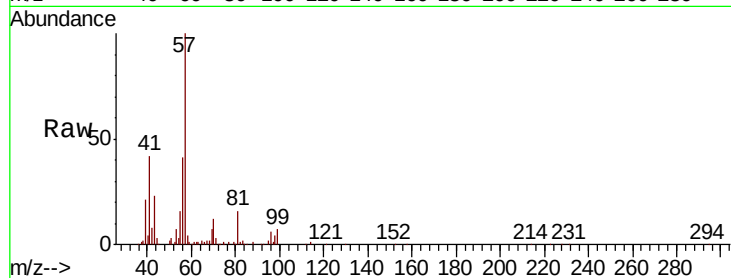




#44
 2,2,4-Trimethylpentane
 Concen: 0.202 ppbv
 RT: 7.87 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: VL037189.D
 Acq: 17 Jun 2021 3:35

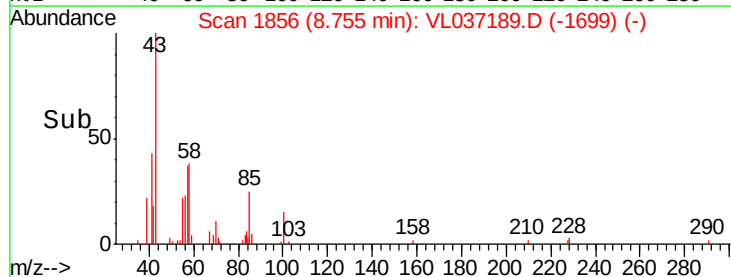
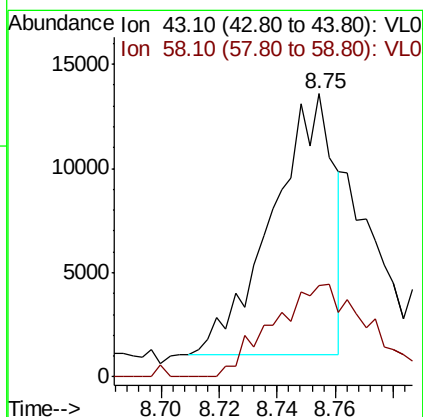
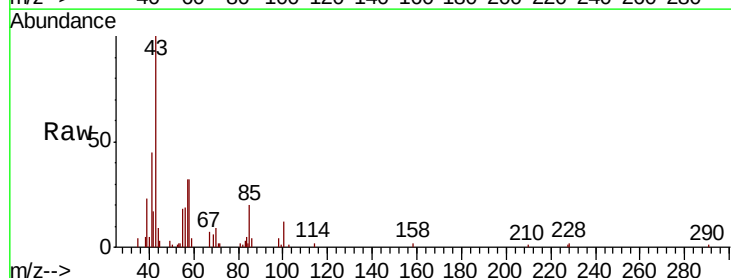
Instrument :
 MSVOA_L
 ClientSampleId :

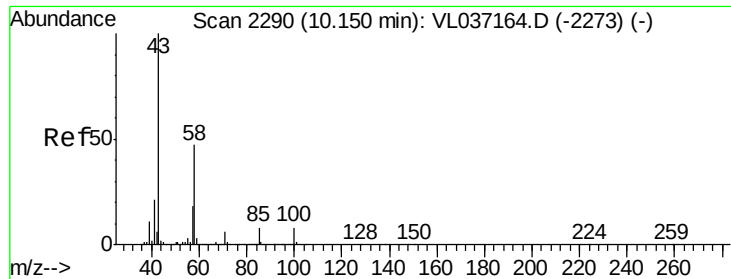
Tot Ion: 57 Resp: 120853
 Ion Ratio Lower Upper
 57 100
 41 51.1 27.6 41.4#
 56 50.8 25.3 37.9#



#50
 4-Methyl-2-Pentanone
 Concen: 0.079 ppbv
 RT: 8.75 min Scan# 1856
 Delta R.T. 0.00 min
 Lab File: VL037189.D
 Acq: 17 Jun 2021 3:35

Tgt Ion: 43 Resp: 18468
 Ion Ratio Lower Upper
 43 100
 58 64.5 28.4 42.6#





#51

2-Hexanone

Concen: 0.088 ppbv

RT: 10.07 min Scan# 2264

Delta R.T. -0.08 min

Lab File: VL037189.D

Acq: 17 Jun 2021 3:35

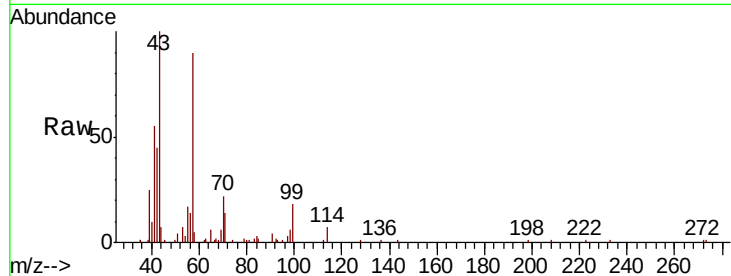
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 10075

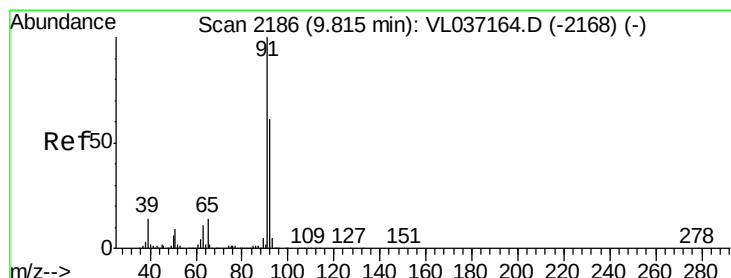
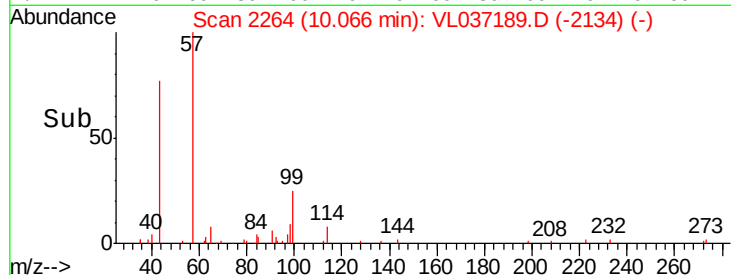
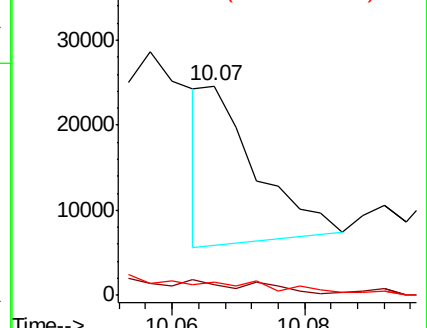
Ion	Ratio	Lower	Upper
43	100		
58	97.4	38.4	57.6#
98	0.0	0.3	0.5#



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: 3.585 ppbv

RT: 9.81 min Scan# 2183

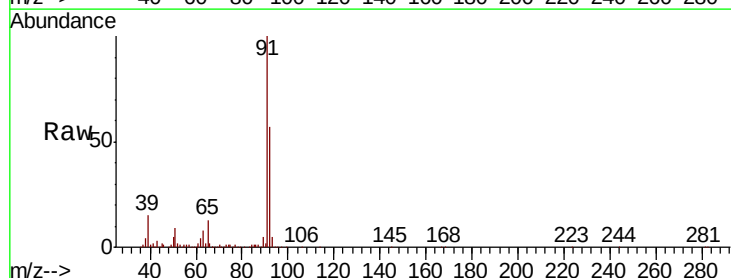
Delta R.T. -0.01 min

Lab File: VL037189.D

Acq: 17 Jun 2021 3:35

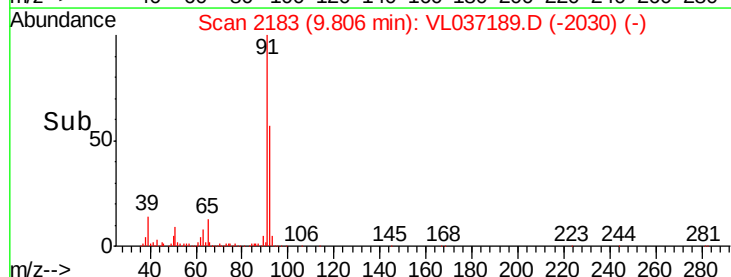
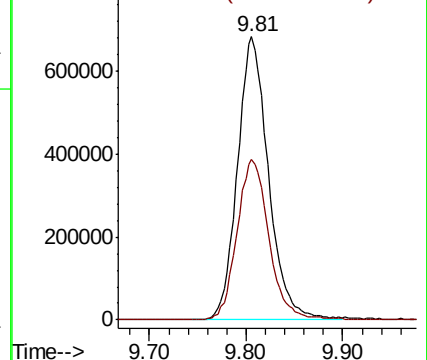
Tgt Ion: 91 Resp: 1521514

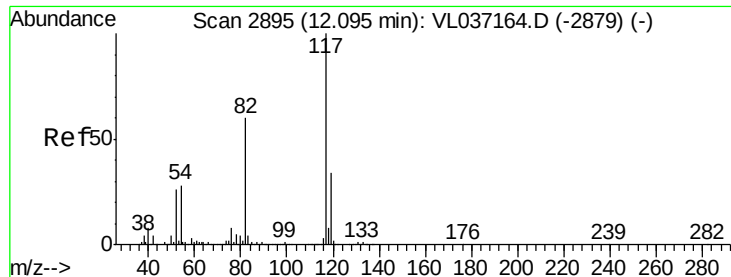
Ion	Ratio	Lower	Upper
91	100		
92	58.6	48.3	72.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

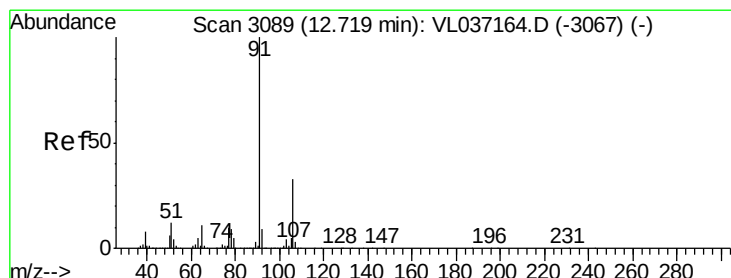
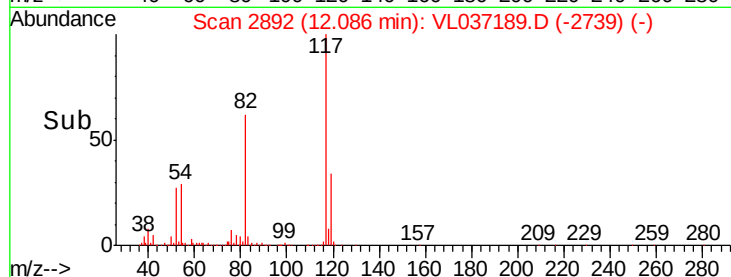
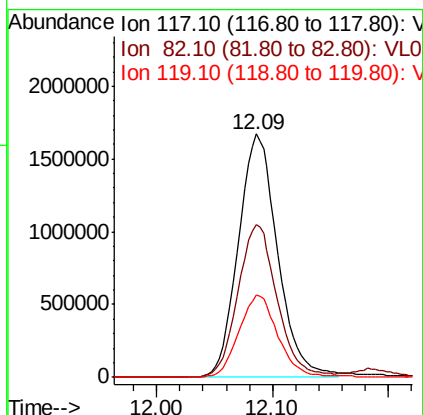
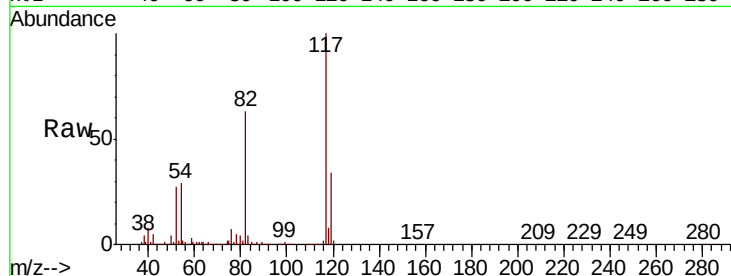




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL037189.D
Acq: 17 Jun 2021 3:35

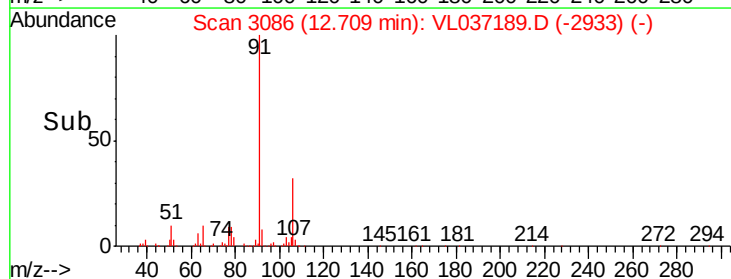
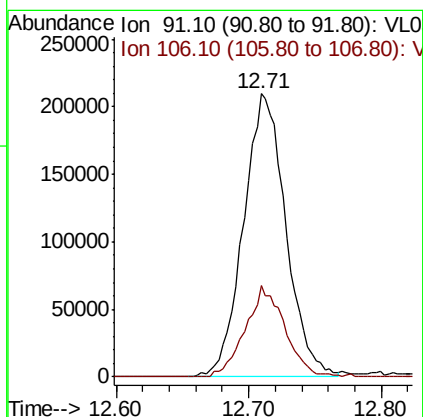
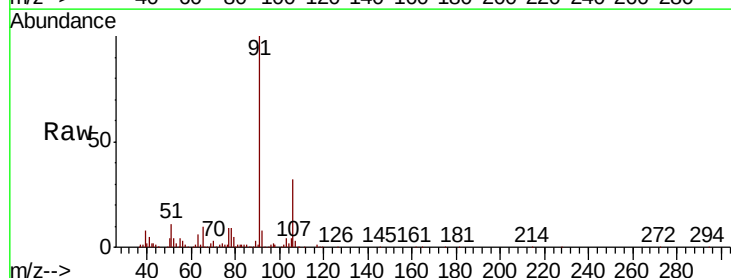
Instrument :
MSVOA_L
ClientSampleId :

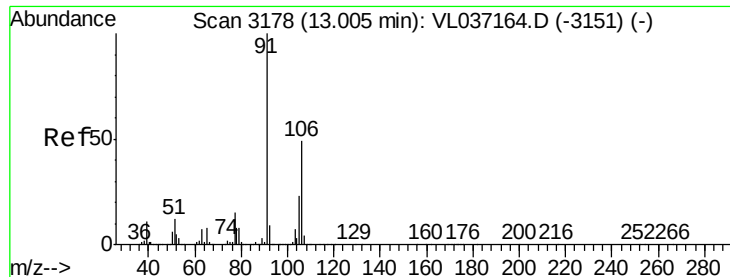
Tot Ion:117 Resp: 3937513
Ion Ratio Lower Upper
117 100
82 62.8 51.7 77.5
119 34.3 47.6 71.4#



#58
Ethyl Benzene
Concen: 0.855 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL037189.D
Acq: 17 Jun 2021 3:35

Tgt Ion: 91 Resp: 463662
Ion Ratio Lower Upper
91 100
106 32.1 26.3 39.5

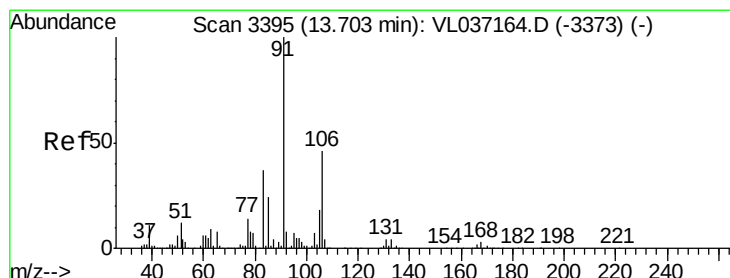
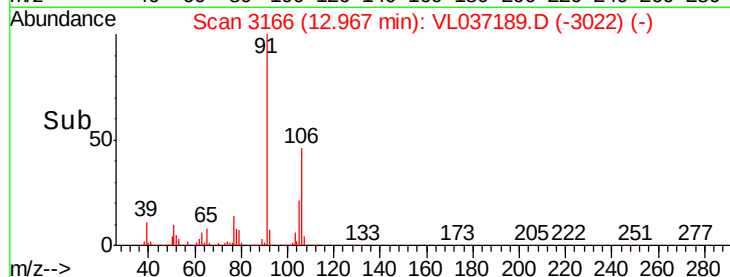
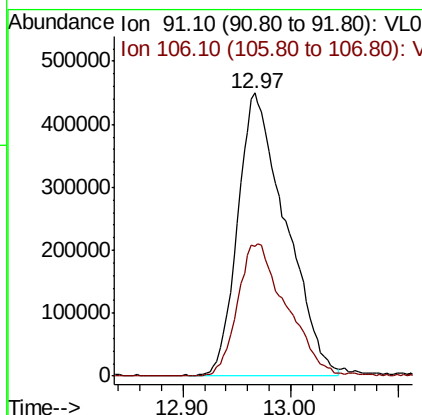
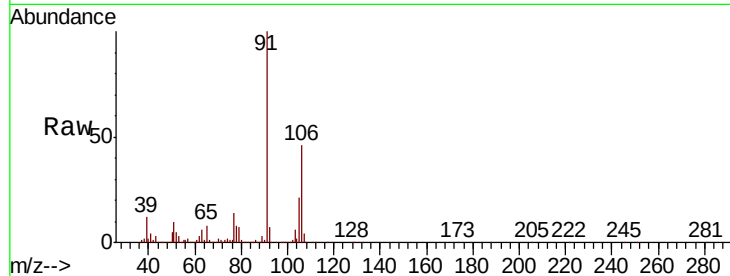




#59
m/p-Xylene
Concen: 3.021 ppbv
RT: 12.97 min Scan# 3166
Delta R.T. -0.04 min
Lab File: VL037189.D
Acq: 17 Jun 2021 3:35

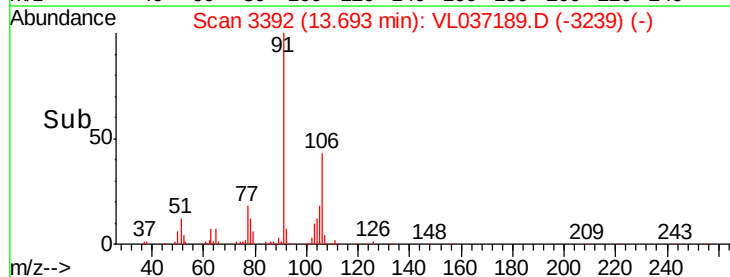
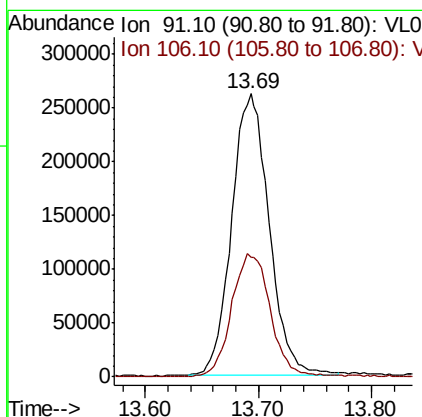
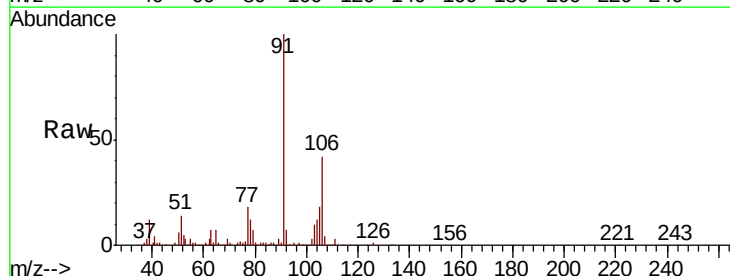
Instrument :
MSVOA_L
ClientSampled :

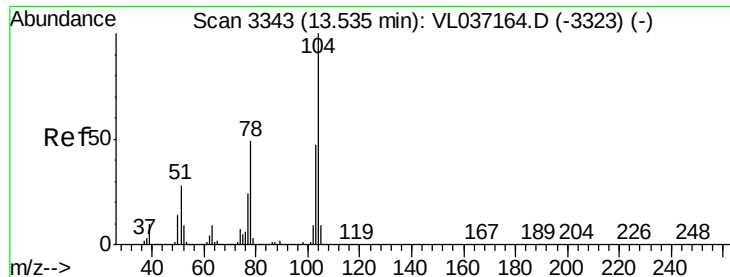
Tot Ion: 91 Resp: 1387717
Ion Ratio Lower Upper
91 100
106 48.5 37.0 55.4



#60
o-Xylene
Concen: 1.382 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL037189.D
Acq: 17 Jun 2021 3:35

Tgt Ion: 91 Resp: 604656
Ion Ratio Lower Upper
91 100
106 45.7 23.0 69.0





#61

Stvrene

Concen: 32.480 ppbv

RT: 13.53 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VL037189.D

Acq: 17 Jun 2021 3:35

Instrument :

MSVOA_L

ClientSampleId :

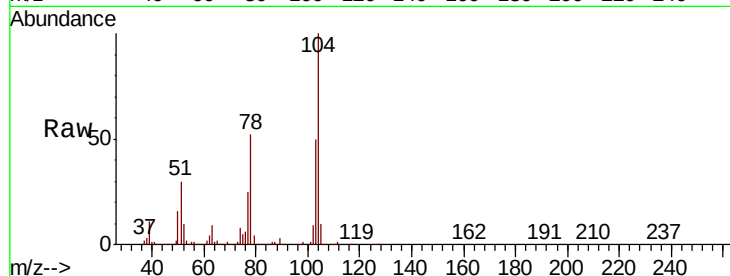
Tot Ion:104 Resp: 7332221

Ion Ratio Lower Upper

104 100

78 52.6 39.7 59.5

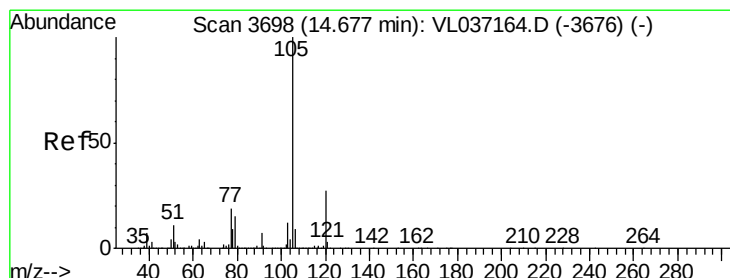
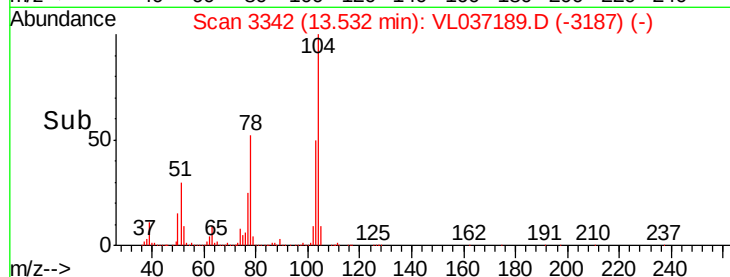
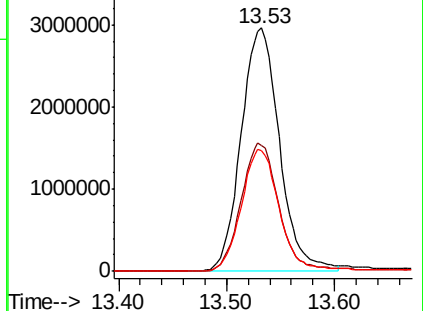
103 50.0 37.6 56.4



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: 0.235 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. -0.01 min

Lab File: VL037189.D

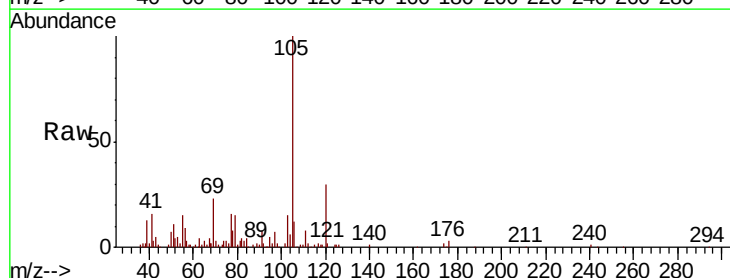
Acq: 17 Jun 2021 3:35

Tgt Ion:105 Resp: 146135

Ion Ratio Lower Upper

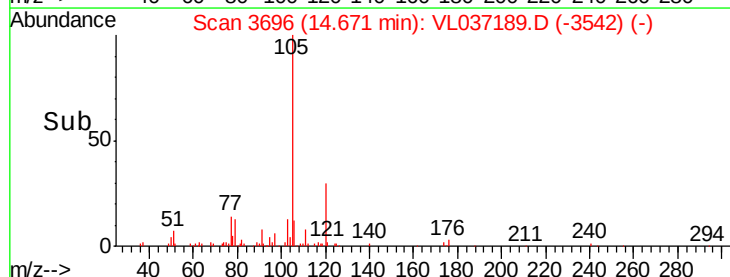
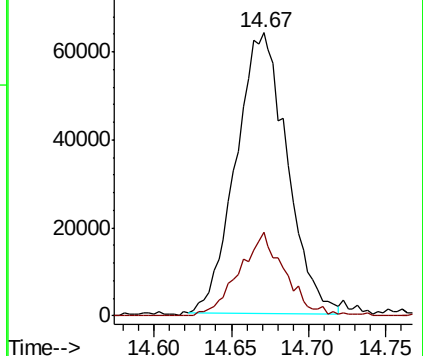
105 100

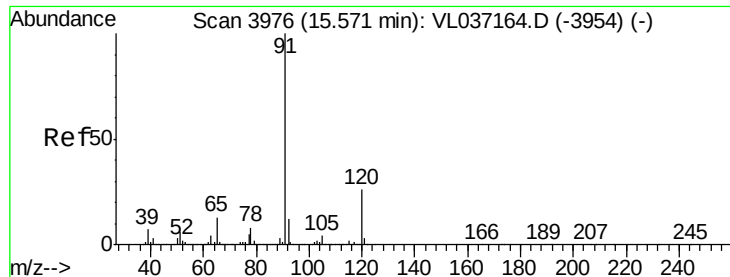
120 27.1 21.6 32.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.463 ppbv

RT: 15.57 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VL037189.D

Acq: 17 Jun 2021 3:35

Instrument :

MSVOA_L

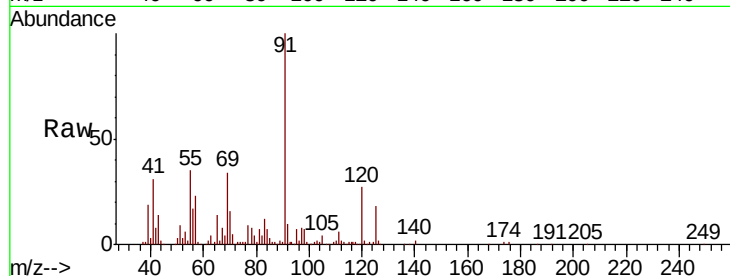
ClientSampleId :

Tot Ion:120 Resp: 72118

Ion Ratio Lower Upper

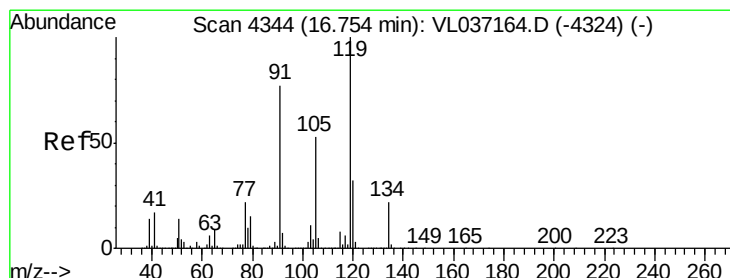
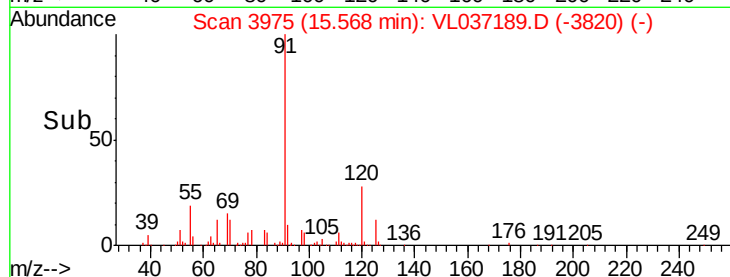
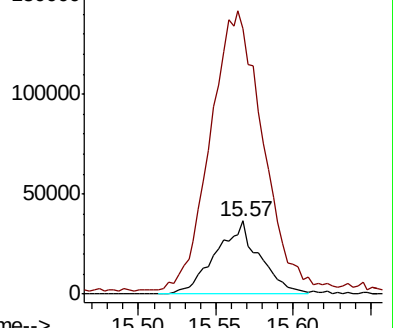
120 100

91 460.2 343.3 514.9



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.243 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.01 min

Lab File: VL037189.D

Acq: 17 Jun 2021 3:35

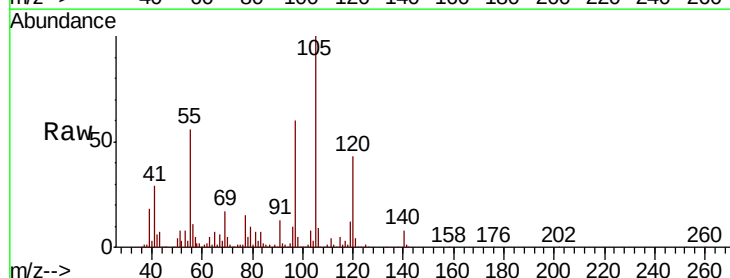
Tgt Ion:119 Resp: 134112

Ion Ratio Lower Upper

119 100

91 110.2 62.6 93.8#

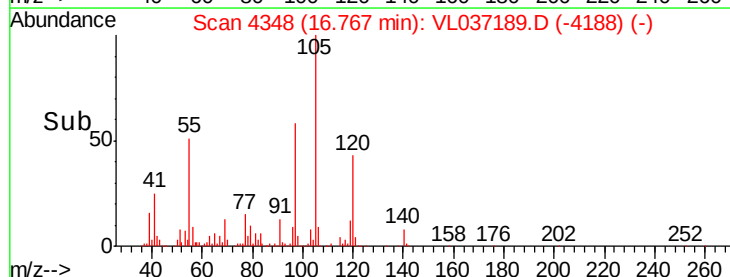
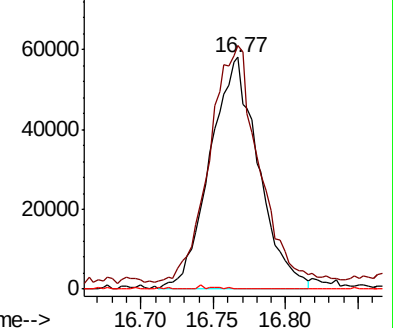
134 0.5 16.2 24.4#

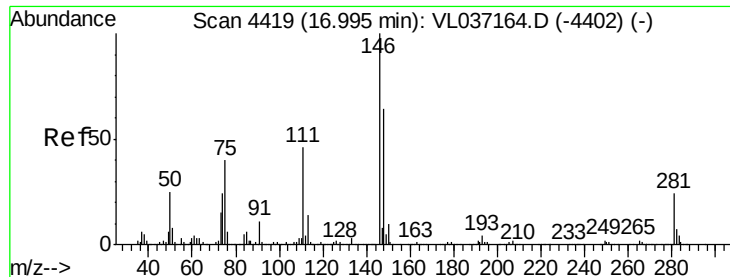


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

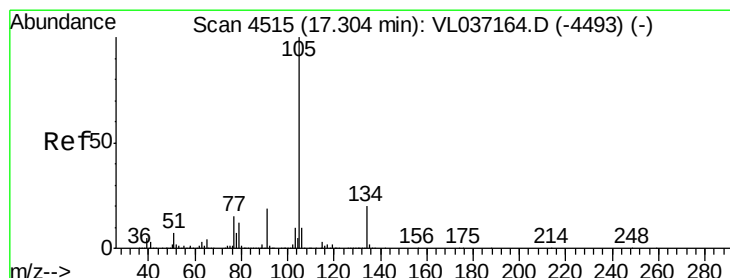
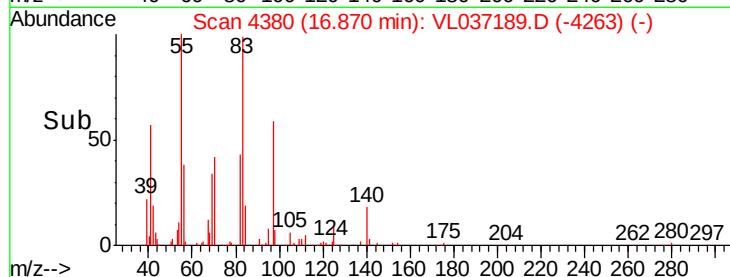
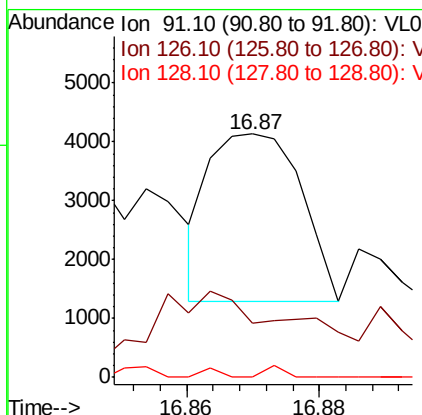
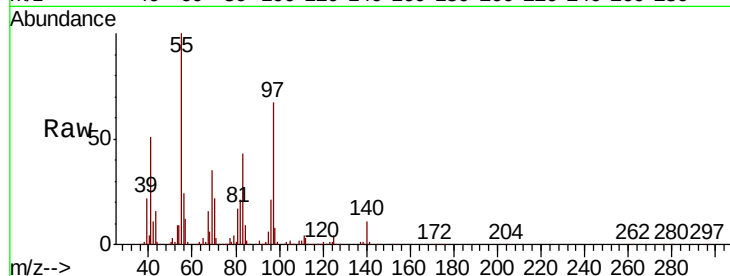




#66
Benzyl Chloride
Concen: 0.117 ppbv
RT: 16.87 min Scan# 4380
Delta R.T. -0.13 min
Lab File: VL037189.D
Acq: 17 Jun 2021 3:35

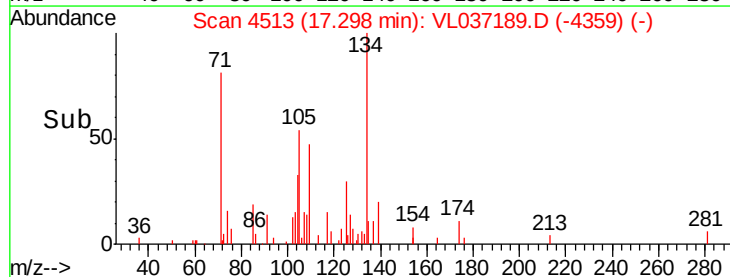
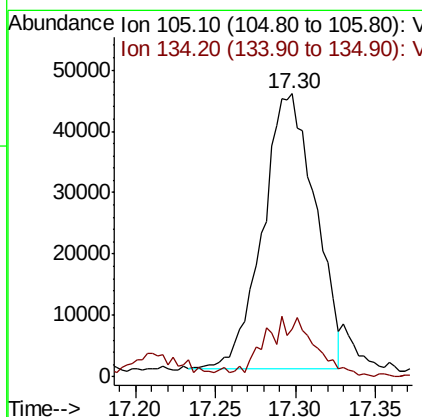
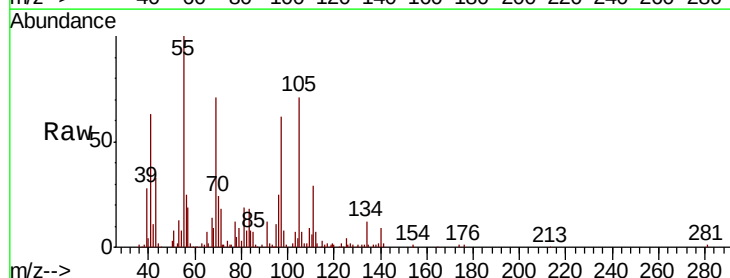
Instrument :
MSVOA_L
ClientSampleId :

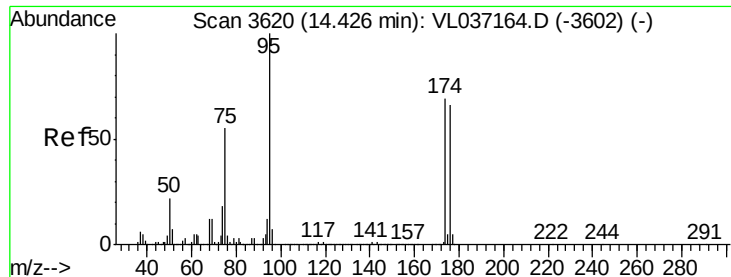
Tot Ion: 91 Resp: 2726
Ion Ratio Lower Upper
91 100
126 155.5 15.5 23.3#
128 2.5 5.7 8.5#



#67
sec-Butylbenzene
Concen: 0.139 ppbv
RT: 17.30 min Scan# 4513
Delta R.T. -0.01 min
Lab File: VL037189.D
Acq: 17 Jun 2021 3:35

Tgt Ion: 105 Resp: 102395
Ion Ratio Lower Upper
105 100
134 20.5 15.8 23.6





#68

1-Bromo-4-Fluorobenzene

Concen: 10.345 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL037189.D

Acq: 17 Jun 2021 3:35

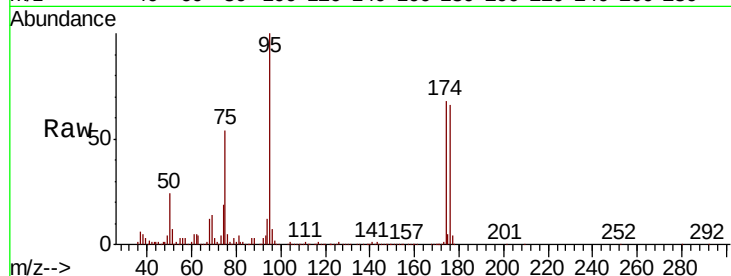
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 3086708

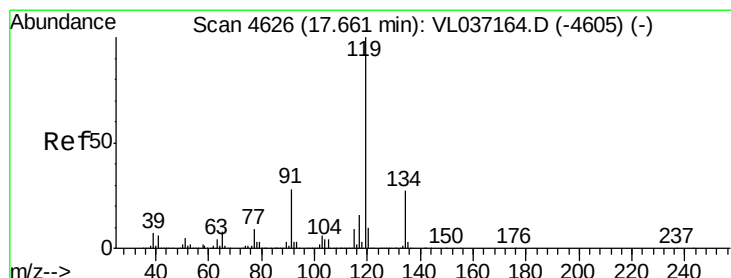
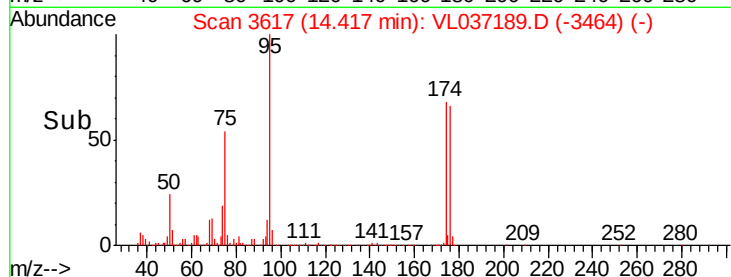
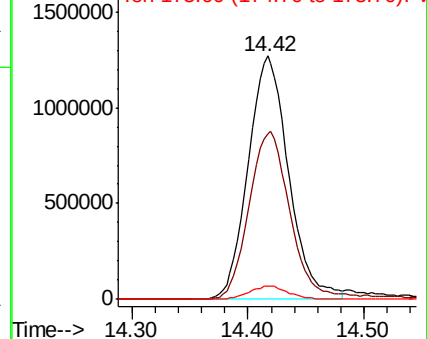
Ion	Ratio	Lower	Upper
95	100		
174	72.6	57.0	85.4
175	5.3	4.4	6.6



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: 0.133 ppbv

RT: 17.65 min Scan# 4622

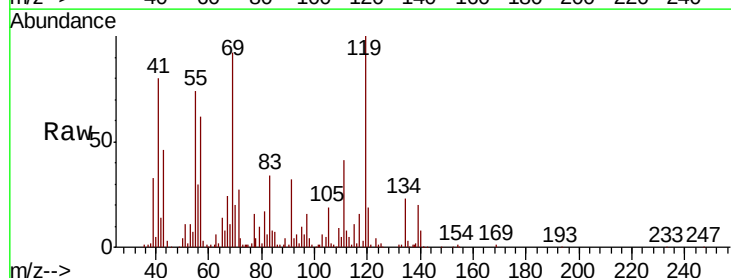
Delta R.T. -0.01 min

Lab File: VL037189.D

Acq: 17 Jun 2021 3:35

Tgt Ion: 119 Resp: 82682

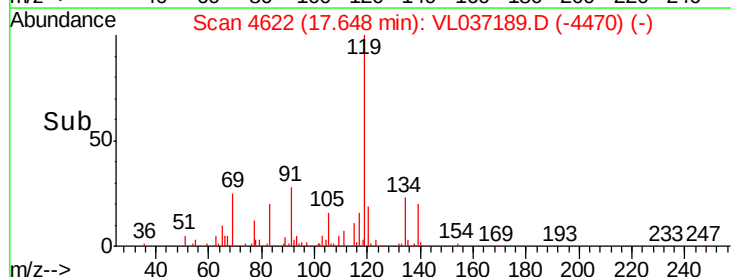
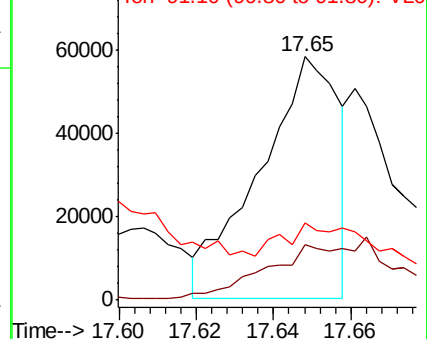
Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.9	31.3#
91	53.1	22.6	34.0#

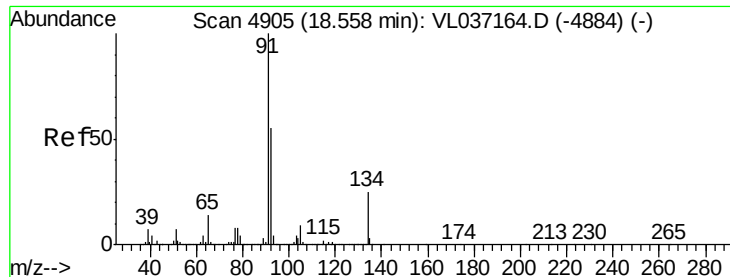


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0





#70

n-Butylbenzene

Concen: 0.287 ppbv

RT: 18.56 min Scan# 4905

Delta R.T. 0.00 min

Lab File: VL037189.D

Acq: 17 Jun 2021 3:35

Instrument :

MSVOA_L

ClientSampled :

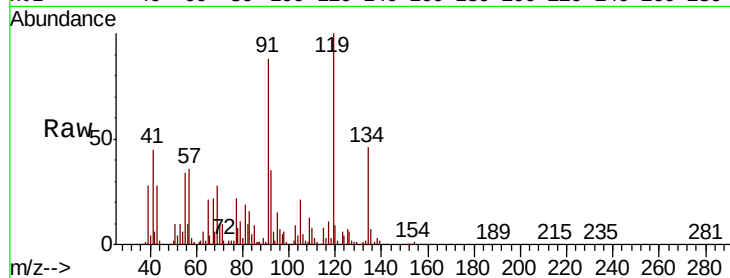
Tot Ion: 91 Resp: 165265

Ion Ratio Lower Upper

91 100

92 42.9 44.0 66.0#

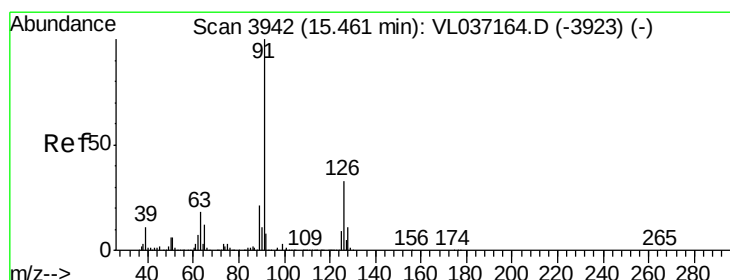
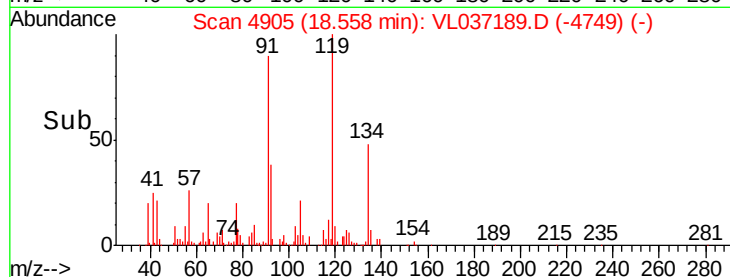
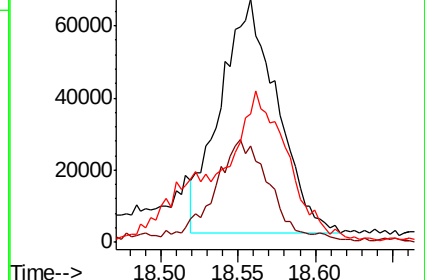
134 85.0 20.2 30.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V



#71

2-Chlorotoluene

Concen: 0.111 ppbv

RT: 15.77 min Scan# 4038

Delta R.T. 0.31 min

Lab File: VL037189.D

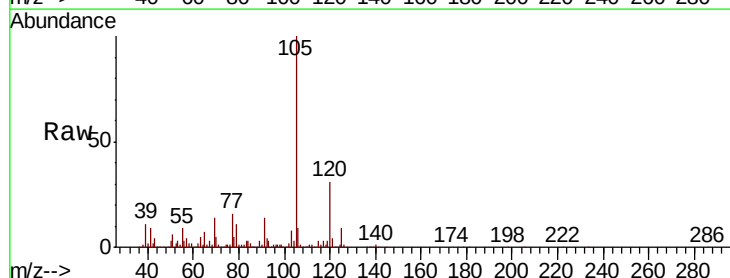
Acq: 17 Jun 2021 3:35

Tgt Ion: 91 Resp: 48101

Ion Ratio Lower Upper

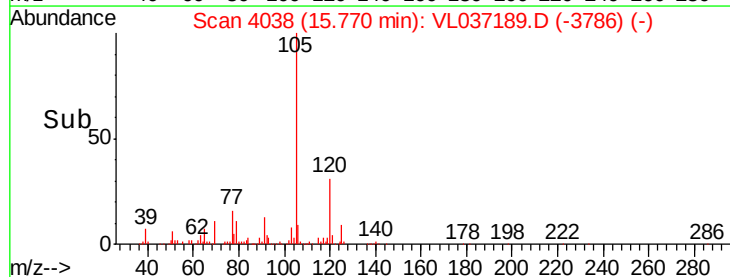
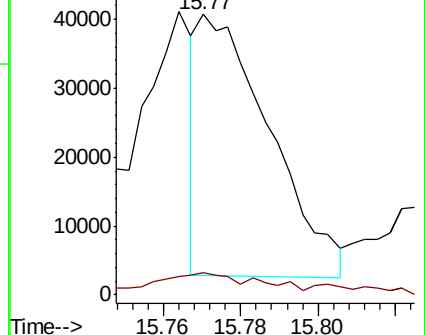
91 100

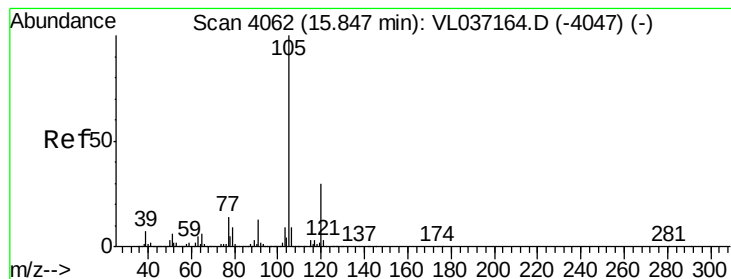
126 19.5 13.5 54.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 0.629 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. -0.01 min

Lab File: VL037189.D

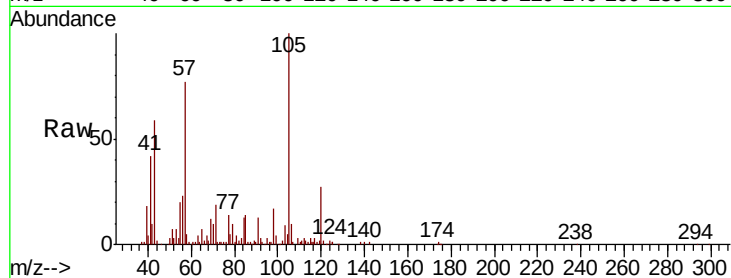
Acq: 17 Jun 2021 3:35

Instrument :

MSVOA_L

ClientSampled :

Tot Ion:	105	Resp:	312321
Ion	Ratio	Lower	Upper
105	100		
120	32.9	24.7	37.1
91	14.4	10.2	15.4
77	17.2	11.0	16.6

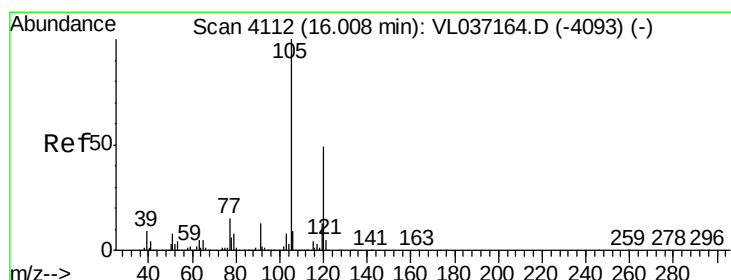
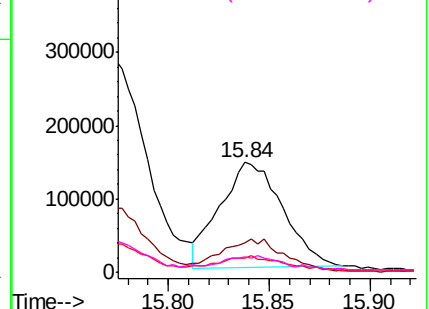
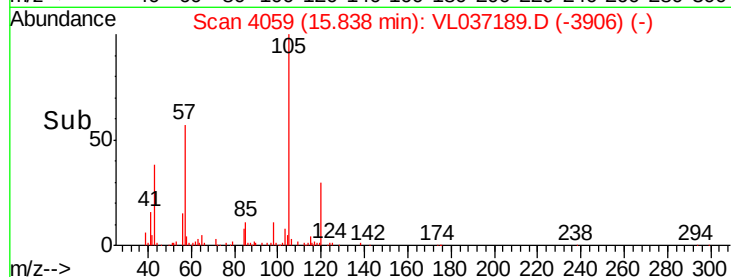


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.817 ppbv

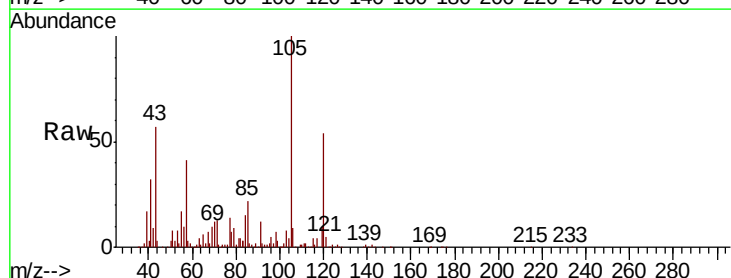
RT: 16.00 min Scan# 4109

Delta R.T. -0.01 min

Lab File: VL037189.D

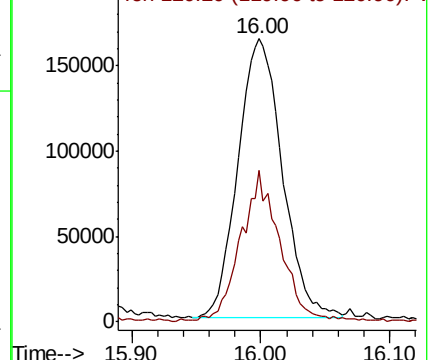
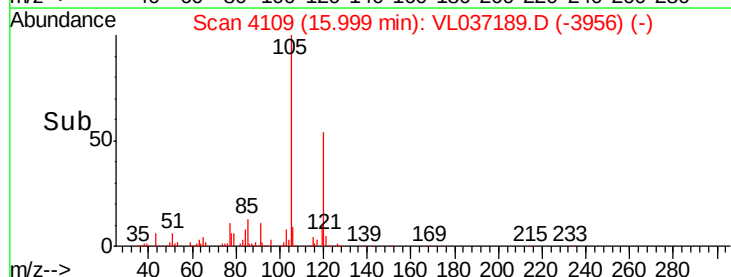
Acq: 17 Jun 2021 3:35

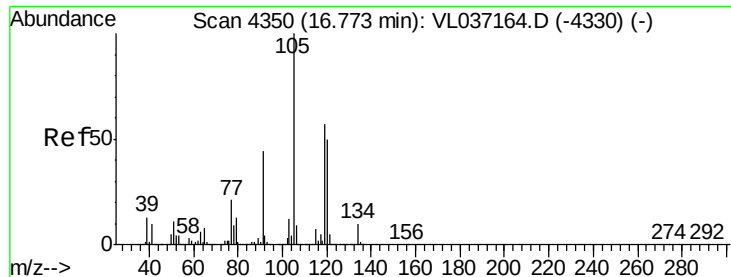
Tgt Ion:	105	Resp:	392546
Ion	Ratio	Lower	Upper
105	100		
120	53.5	39.4	59.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

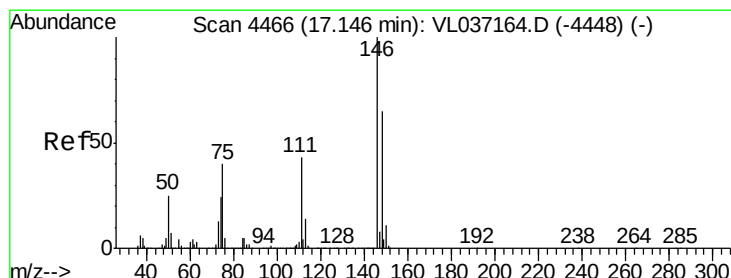
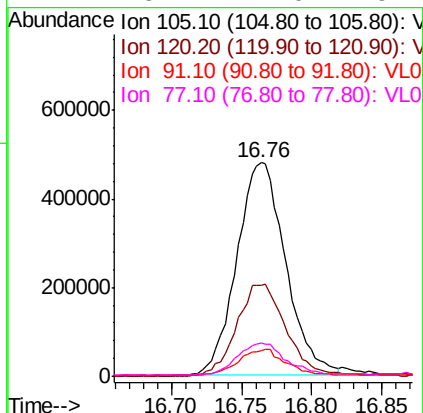
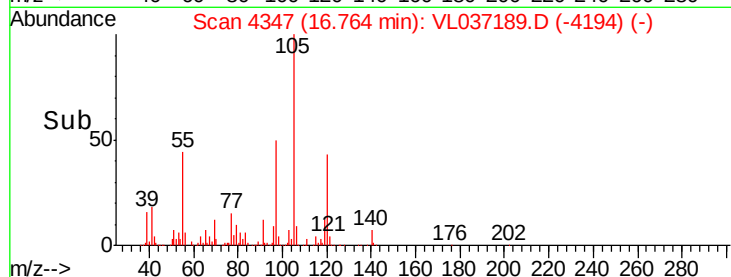
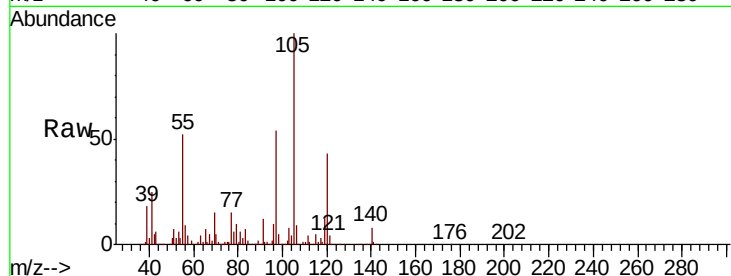




#74
 1,2,4-Trimethylbenzene
 Concen: 2.346 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. -0.01 min
 Lab File: VL037189.D
 Acq: 17 Jun 2021 3:35

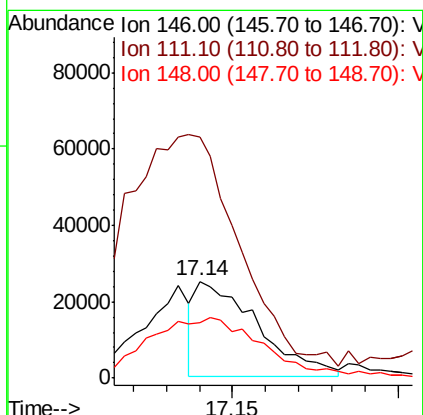
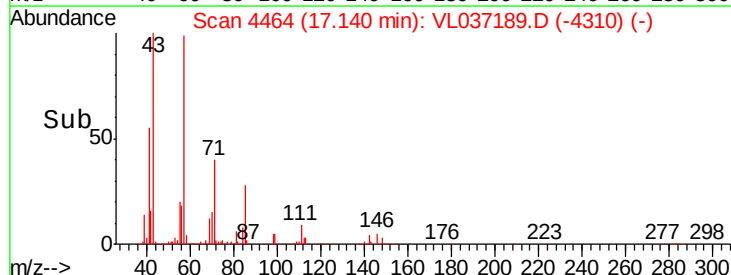
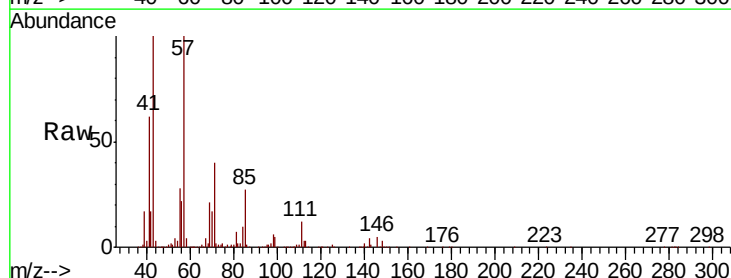
Instrument :
 MSVOA_L
 ClientSampleId :

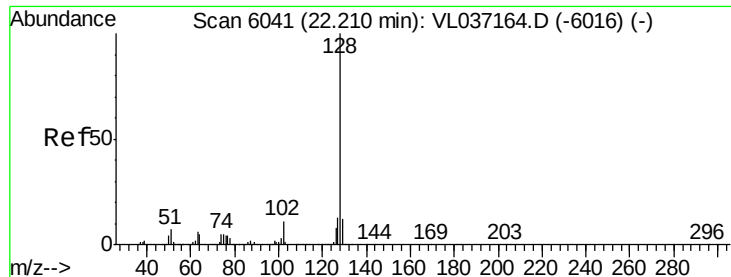
Tot Ion:105 Resp: 1161275
 Ion Ratio Lower Upper
 105 100
 120 42.5 39.8 59.8
 91 11.8 37.0 55.4#
 77 15.1 17.0 25.4#



#76
 1,4-Dichlorobenzene
 Concen: 0.108 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. -0.01 min
 Lab File: VL037189.D
 Acq: 17 Jun 2021 3:35

Tgt Ion:146 Resp: 32557
 Ion Ratio Lower Upper
 146 100
 111 472.9 22.7 68.0#
 148 125.3 33.7 101.1#





#79

Naphthalene

Concen: 0.050 ppbv

RT: 22.20 min Scan# 6037

Delta R.T. -0.01 min

Lab File: VL037189.D

Acq: 17 Jun 2021 3:35

Instrument :

MSVOA_L

ClientSampleId :

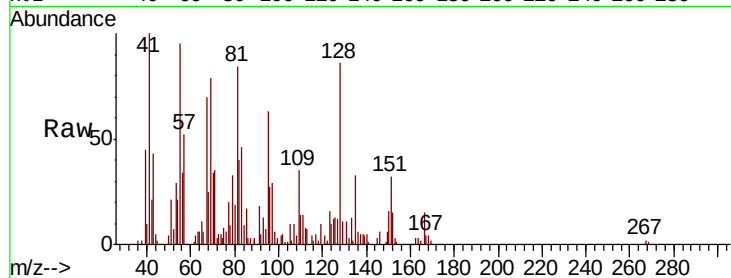
Tot Ion:128 Resp: 20808

Ion Ratio Lower Upper

128 100

127 9.3 10.7 16.1#

129 13.3 9.3 13.9



Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

