

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061721\
 Data File : VL037209.D
 Acq On : 17 Jun 2021 20:01
 Operator : SY/AP
 Sample : M2742-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Quant Time: Jun 18 01:24:00 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	1530440	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4453661	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4068400	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3100406	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	85477	0.321	ppbv 98
3) Chlorodifluoromethane	2.99	51	158914	0.534	ppbv # 81
4) Chloromethane	3.14	50	10821	0.109	ppbv 94
7) Chloroethane	3.56	64	2954	0.076	ppbv # 42
9) Propene	3.20	41	388079	4.079	ppbv 85
10) Heptane	8.13	43	1861358	8.077	ppbv 97
11) Trichlorofluoromethane	3.95	101	59573	0.210	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	9144	0.046	ppbv # 70
13) Ethanol	3.62	45	93937	6.382	ppbv 64
15) Acetone	3.85	43	2238895	12.973	ppbv # 58
16) 1,3-Butadiene	3.31	39	158676	1.555	ppbv # 19
17) tert-Butyl alcohol	4.32	59	77233	0.484	ppbv # 71
19) Isopropyl Alcohol	3.98	45	34845	0.333	ppbv # 91
20) Methylene Chloride	4.35	84	227678	2.204	ppbv 96
21) Allyl Chloride	4.37	41	108679	0.835	ppbv # 47
23) Vinyl Acetate	5.06	43	613646	2.480	ppbv # 1
25) Ethyl Acetate	5.69	43	4086891	10.939	ppbv # 76
26) Hexane	5.69	57	5846926	30.963	ppbv # 45
27) Carbon Disulfide	4.55	76	1048480	5.667	ppbv 99
29) Chloroform	5.76	83	173011	0.593	ppbv 99
30) Cyclohexane	7.14	84	46589	0.296	ppbv # 1
34) 2-Butanone	5.26	43	280557	1.620	ppbv 100
35) Carbon Tetrachloride	7.02	117	16023	0.054	ppbv # 93
36) Benzene	6.89	78	43069	0.120	ppbv # 74
38) Trichloroethene	7.84	130	17921	0.105	ppbv # 74
39) 1,2-Dichloropropane	7.23	63	20825	0.156	ppbv # 32
41) Tetrahydrofuran	5.98	42	240200	2.986	ppbv # 35
42) Bromodichloromethane	7.79	83	26991	0.094	ppbv # 36
43) Methyl Methacrylate	7.99	69	36254	0.291	ppbv # 1
44) 2,2,4-Trimethylpentane	7.87	57	26603	0.044	ppbv # 42
50) 4-Methyl-2-Pentanone	8.76	43	24519	0.103	ppbv # 57
51) 2-Hexanone	10.15	43	23252	0.201	ppbv # 1
52) Tetrachloroethene	11.23	164	854928	5.109	ppbv 96
53) Toluene	9.81	91	533951	1.241	ppbv 98
57) Chlorobenzene	12.15	112	8592	0.026	ppbv # 62
58) Ethyl Benzene	12.71	91	160282	0.286	ppbv 95
59) m/p-Xylene	12.97	91	267359	0.563	ppbv # 43
60) o-Xylene	13.69	91	138122	0.306	ppbv # 34
61) Styrene	13.53	104	11559	0.050	ppbv # 12
62) Isopropylbenzene	14.66	105	22117	0.034	ppbv # 25
63) 1,1,2,2-Tetrachloroethane	13.67	83	46482	0.154	ppbv # 71

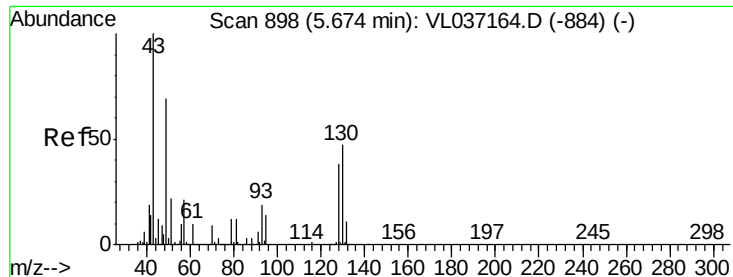
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061721\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) n-propylbenzene	15.56	120	24301	0.151	ppbv #	1
65) tert-Butylbenzene	16.77	119	71031	0.125	ppbv #	52
66) Benzyl Chloride	16.99	91	818	0.034	ppbv #	63
67) sec-Butylbenzene	17.61	105	54871	0.072	ppbv	98
69) p-Isopropyltoluene	17.65	119	15548	0.024	ppbv #	1
70) n-Butylbenzene	18.58	91	315659	0.531	ppbv #	90
72) 4-Ethyltoluene	15.84	105	148237	0.289	ppbv #	94
73) 1,3,5-Trimethylbenzene	16.00	105	94241	0.190	ppbv	91
74) 1,2,4-Trimethylbenzene	16.77	105	612991	1.199	ppbv #	73

(#) = 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: VL037209.D

Acq: 17 Jun 2021 20:01

Instrument :

MSVOA_L

ClientSampleId :

SV1

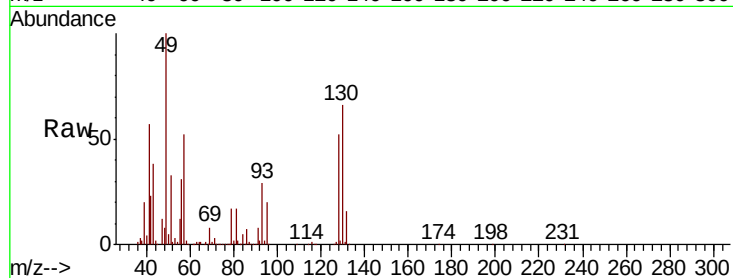
Tot Ion: 49 Resp: 1530440

Ion Ratio Lower Upper

49 100

128 54.7 29.3 88.0

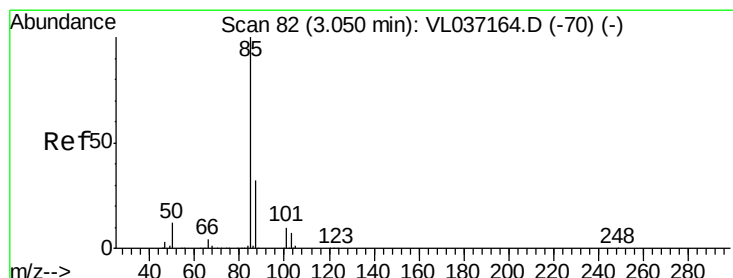
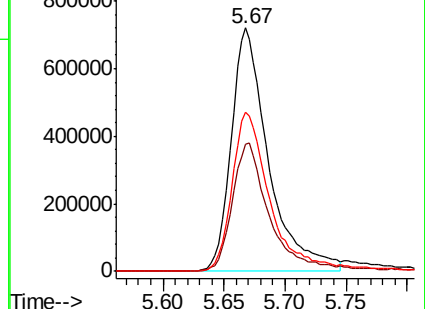
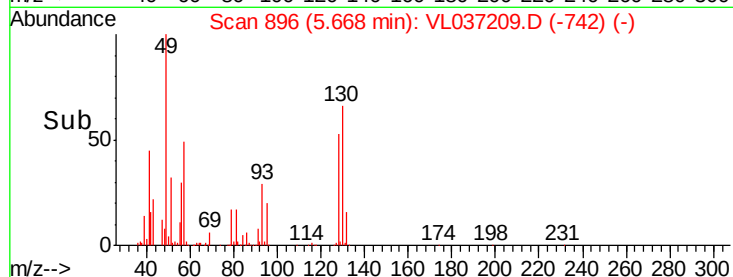
130 69.5 35.9 107.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.321 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037209.D

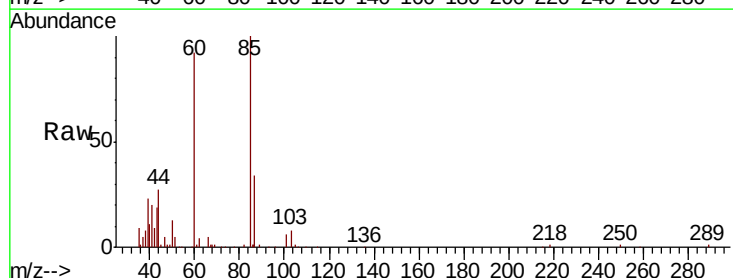
Acq: 17 Jun 2021 20:01

Tgt Ion: 85 Resp: 85477

Ion Ratio Lower Upper

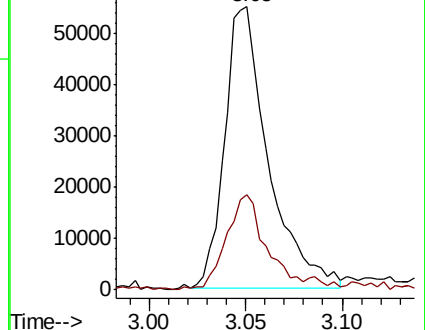
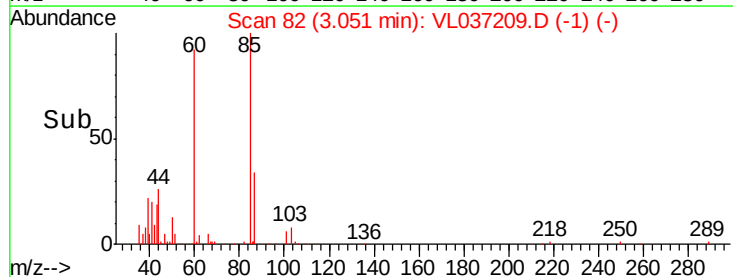
85 100

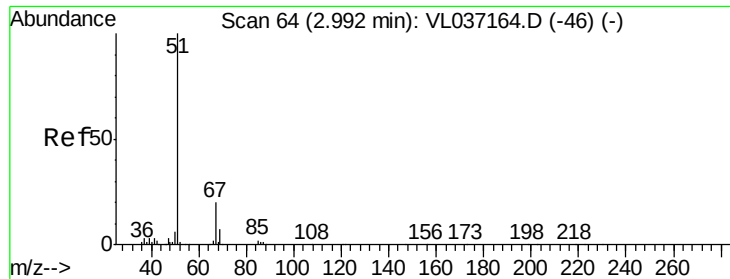
87 33.4 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.534 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.01 min

Lab File: VL037209.D

Acq: 17 Jun 2021 20:01

Instrument :

MSVOA_L

ClientSampleId :

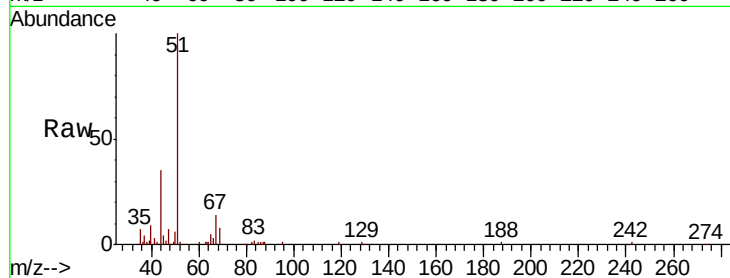
SV1

Tot Ion: 51 Resp: 158914

Ion Ratio Lower Upper

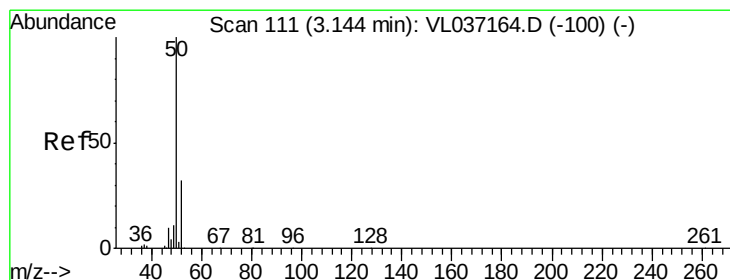
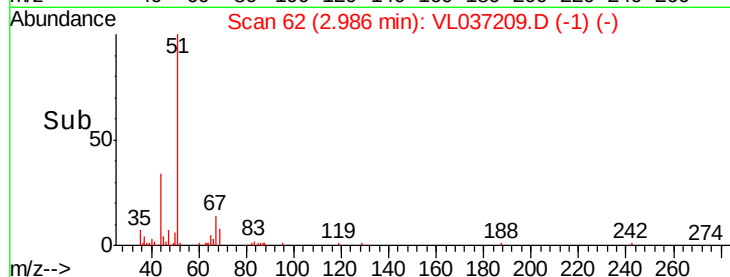
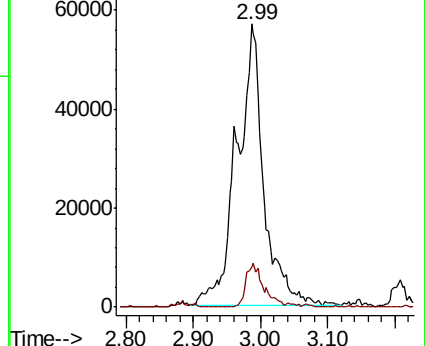
51 100

67 11.0 15.8 23.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.109 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL037209.D

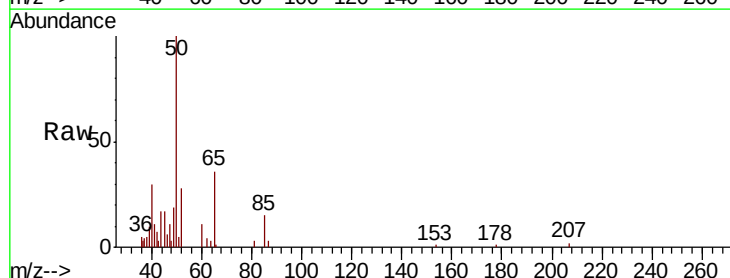
Acq: 17 Jun 2021 20:01

Tgt Ion: 50 Resp: 10821

Ion Ratio Lower Upper

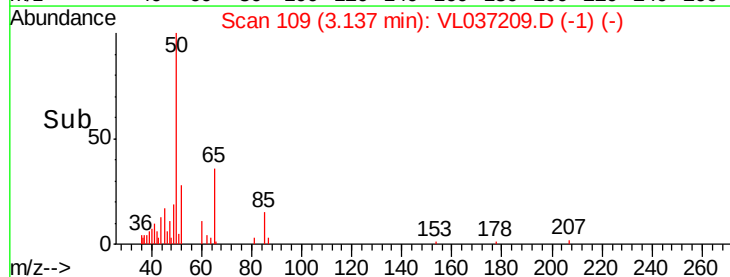
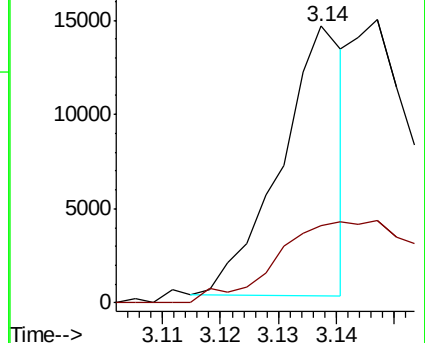
50 100

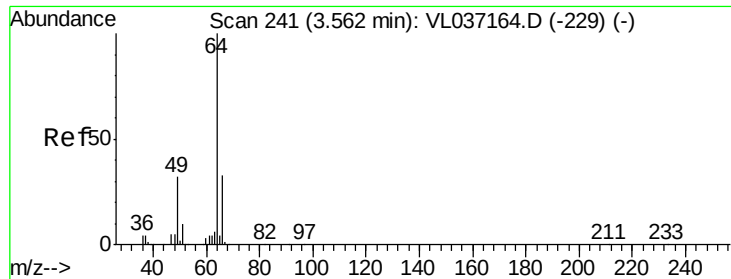
52 28.8 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.076 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.01 min

Lab File: VL037209.D

Acq: 17 Jun 2021 20:01

Instrument :

MSVOA_L

ClientSampleId :

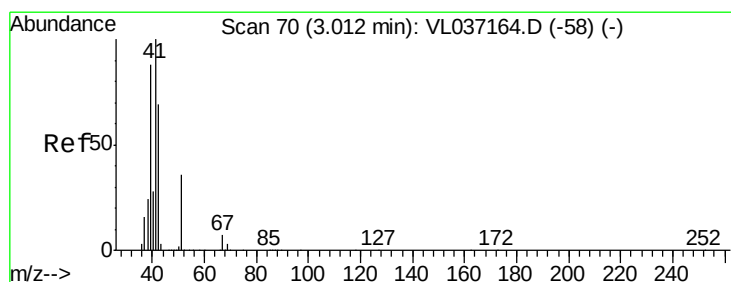
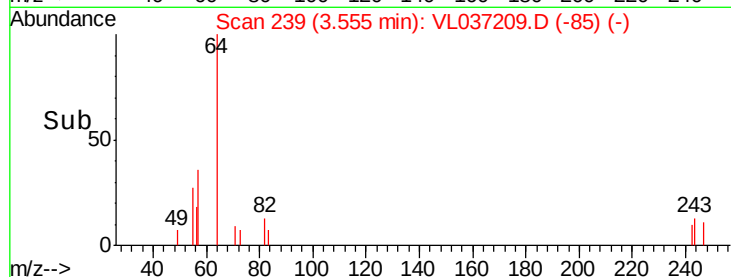
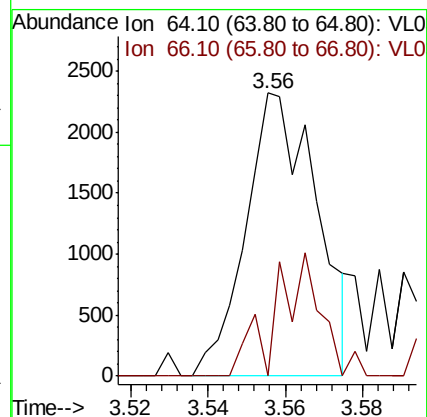
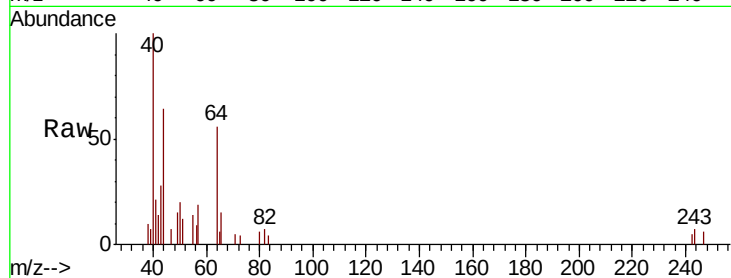
SV1

Tot Ion: 64 Resp: 2954

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#



#9

Propene

Concen: 4.079 ppbv

RT: 3.20 min Scan# 130

Delta R.T. 0.19 min

Lab File: VL037209.D

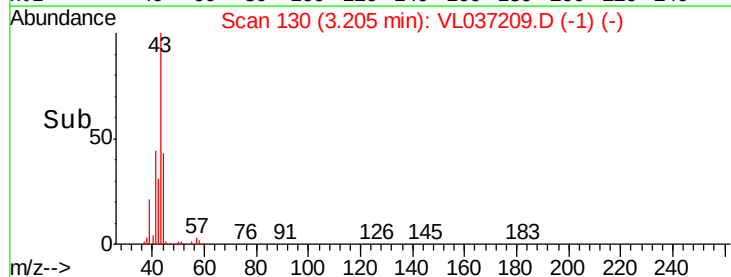
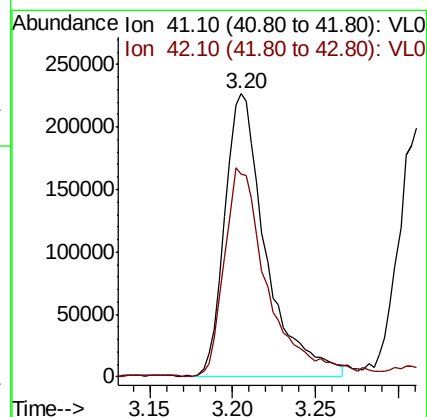
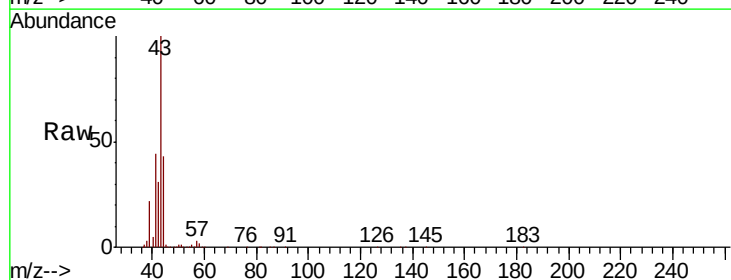
Acq: 17 Jun 2021 20:01

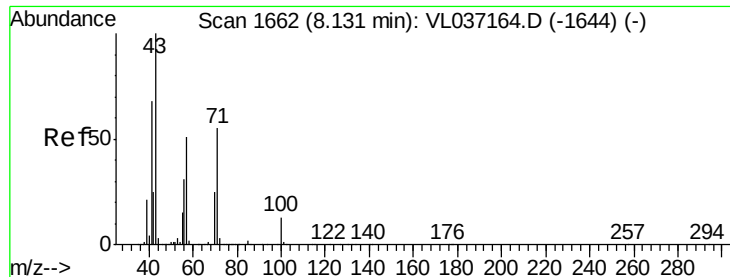
Tgt Ion: 41 Resp: 388079

Ion Ratio Lower Upper

41 100

42 79.9 54.5 81.7

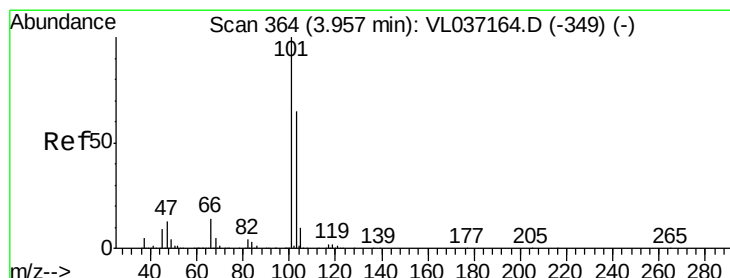
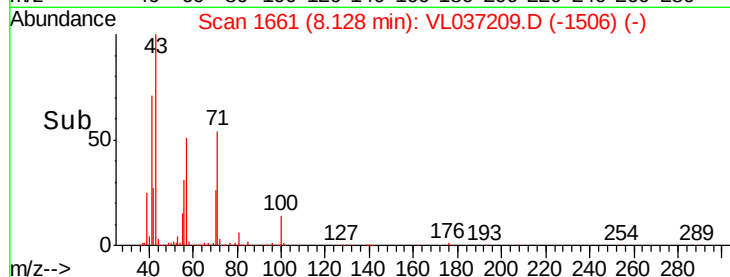
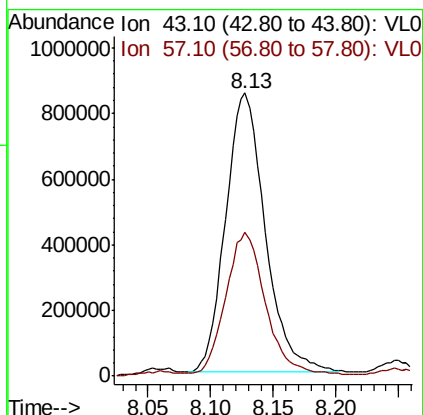
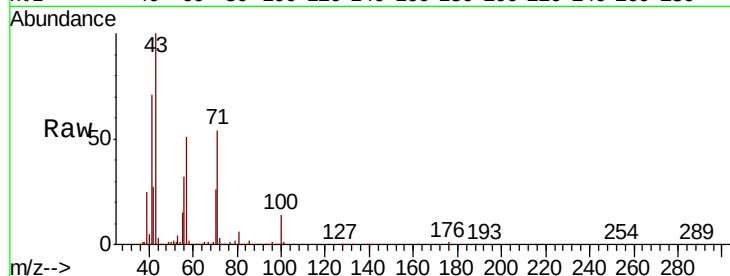




#10
Heptane
Concen: 8.077 ppbv
RT: 8.13 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VL037209.D
Acq: 17 Jun 2021 20:01

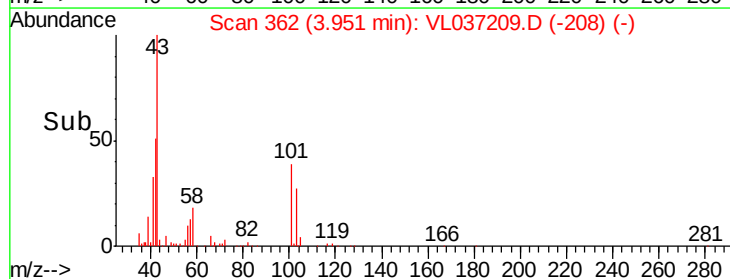
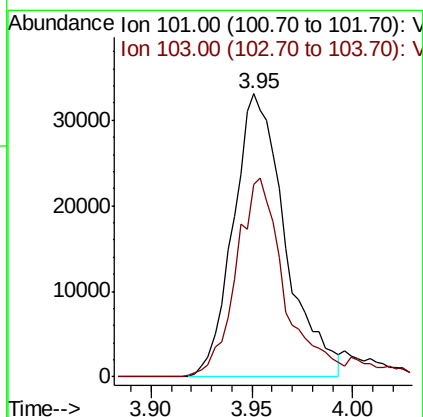
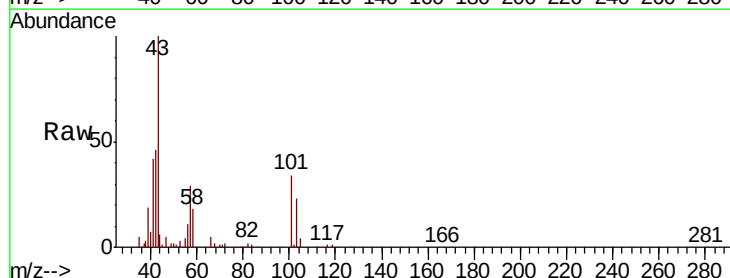
Instrument :
MSVOA_L
ClientSampleId :
SV1

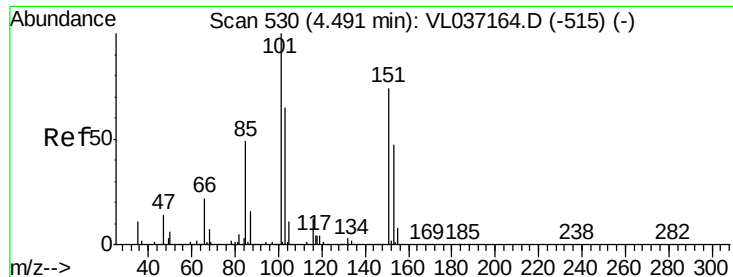
Tot Ion: 43 Resp: 1861358
Ion Ratio Lower Upper
43 100
57 52.6 40.6 61.0



#11
Trichlorofluoromethane
Concen: 0.210 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.01 min
Lab File: VL037209.D
Acq: 17 Jun 2021 20:01

Tgt Ion: 101 Resp: 59573
Ion Ratio Lower Upper
101 100
103 67.4 52.2 78.4





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.046 ppbv

RT: 4.49 min Scan# 529

Delta R.T. -0.00 min

Lab File: VL037209.D

Acq: 17 Jun 2021 20:01

Instrument :

MSVOA_L

ClientSampleId :

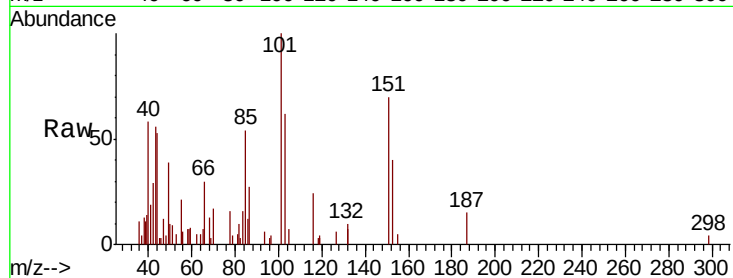
SV1

Tot Ion:101 Resp: 9144

Ion Ratio Lower Upper

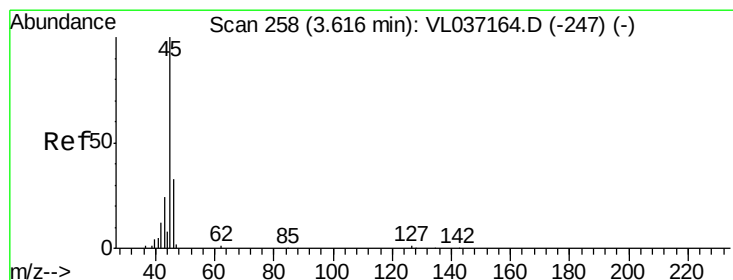
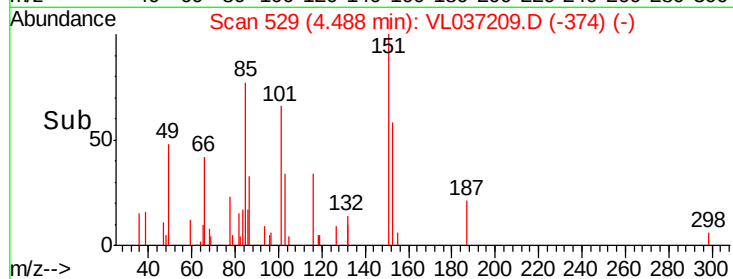
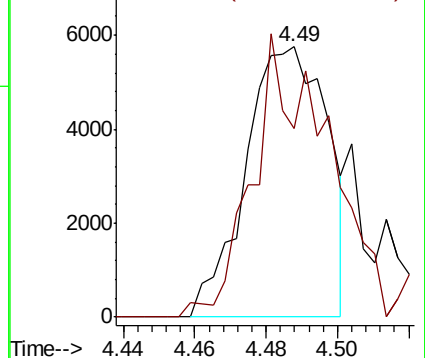
101 100

151 99.4 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: 6.382 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.00 min

Lab File: VL037209.D

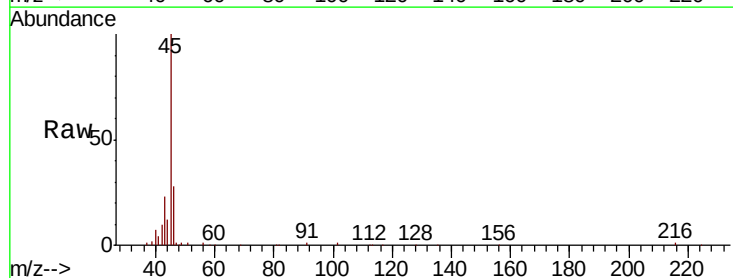
Acq: 17 Jun 2021 20:01

Tgt Ion: 45 Resp: 93937

Ion Ratio Lower Upper

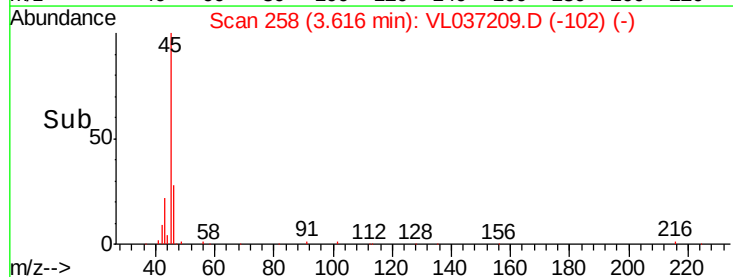
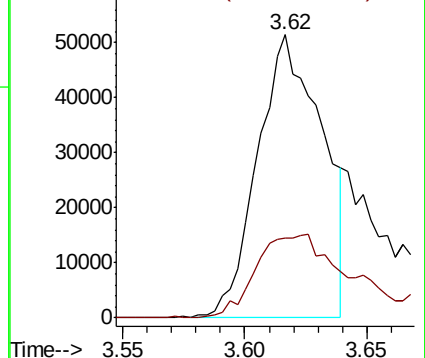
45 100

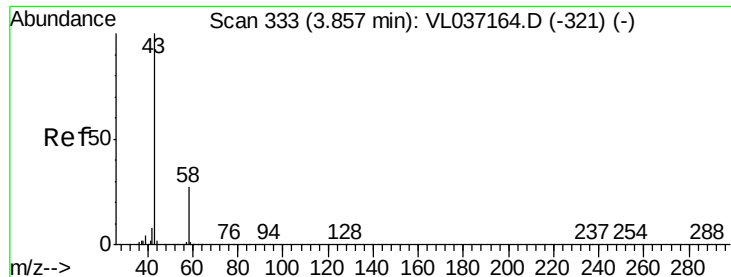
46 52.6 34.2 137.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 12.973 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL037209.D

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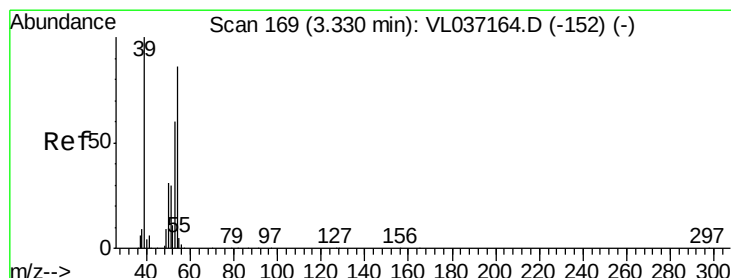
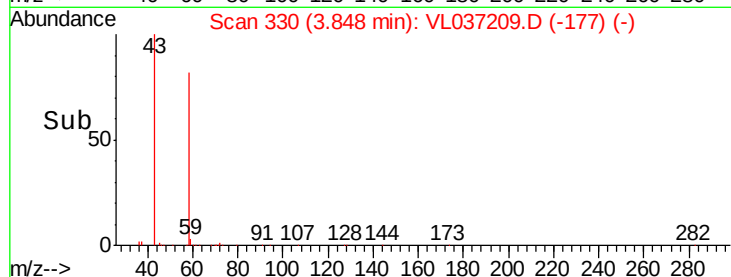
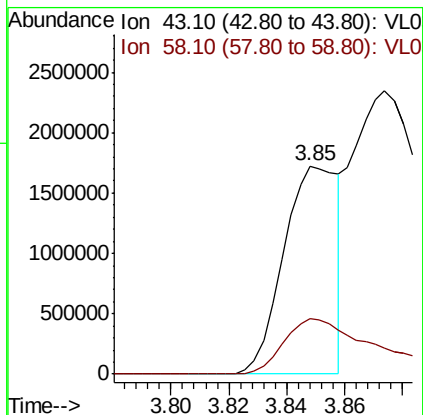
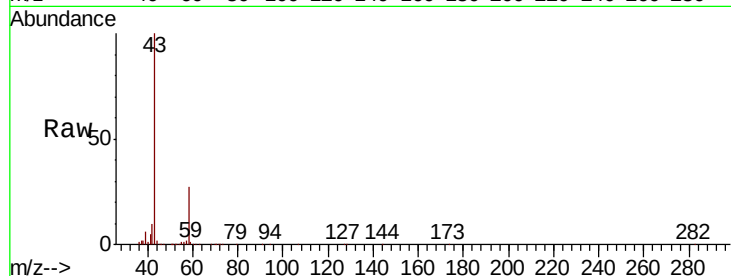
SV1

Tot Ion: 43 Resp: 2238895

Ion Ratio Lower Upper

43 100

58 52.0 23.7 35.5#



#16

1,3-Butadiene

Concen: 1.555 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.02 min

Lab File: VL037209.D

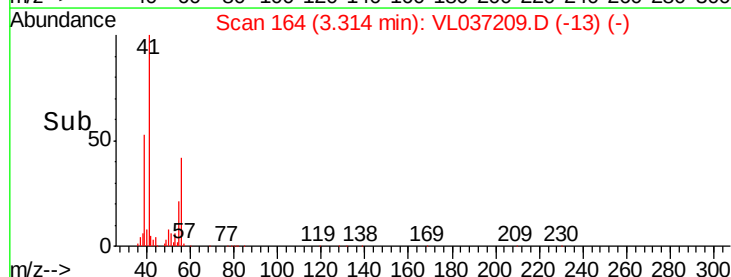
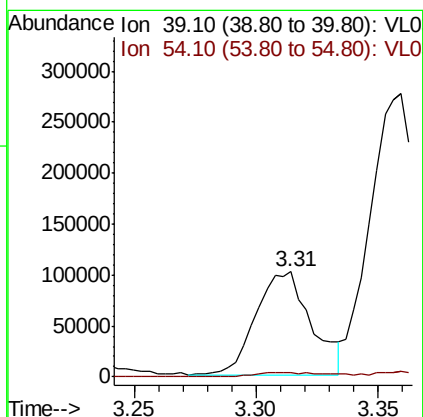
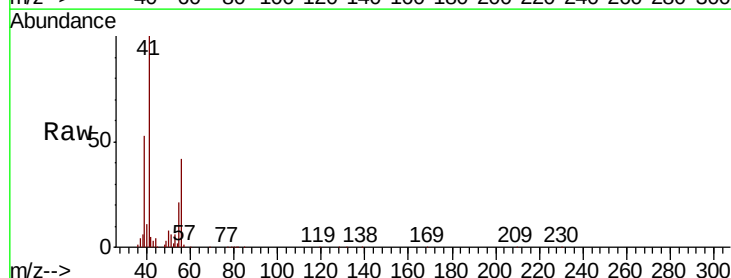
Acq: 17 Jun 2021 20:01

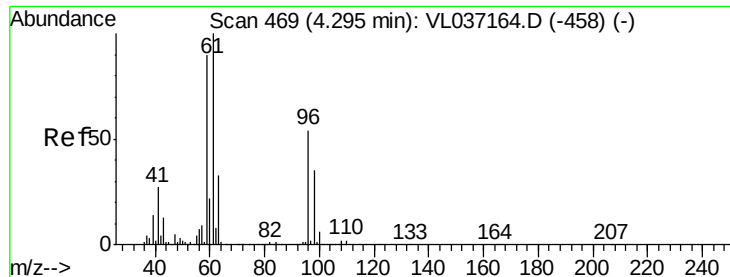
Tgt Ion: 39 Resp: 158676

Ion Ratio Lower Upper

39 100

54 6.6 61.2 91.8#





#17

tert-Butyl alcohol

Concen: 0.484 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.02 min

Lab File: VL037209.D

Acq: 17 Jun 2021 20:01

Instrument :

MSVOA_L

ClientSampleId :

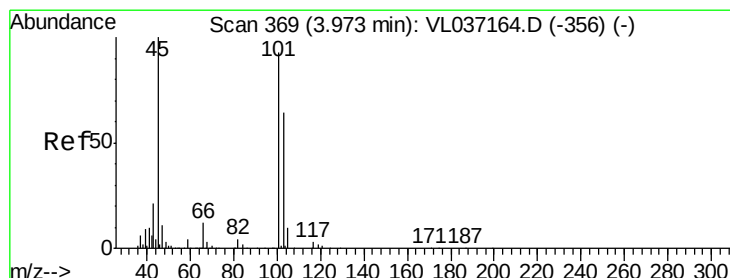
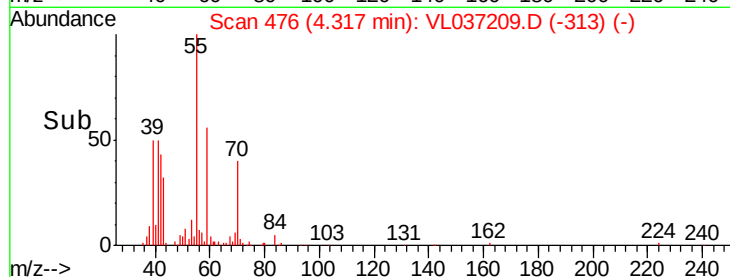
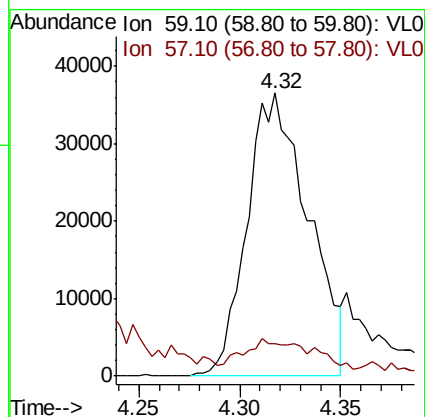
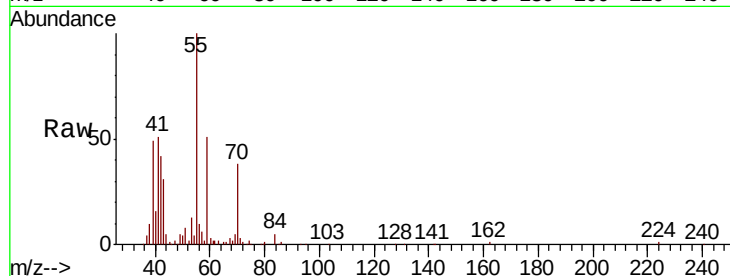
SV1

Tot Ion: 59 Resp: 77233

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



#19

Isopropyl Alcohol

Concen: 0.333 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.01 min

Lab File: VL037209.D

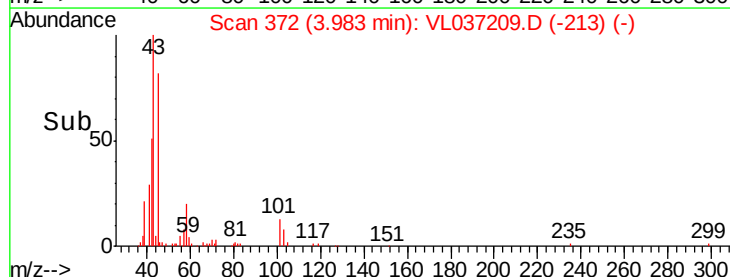
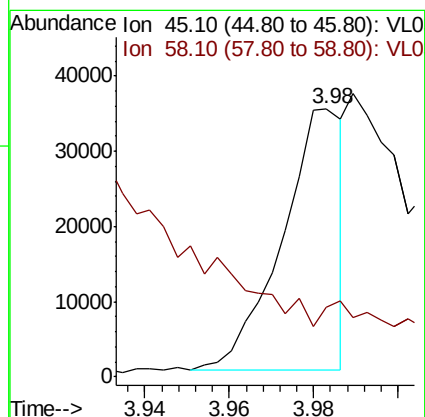
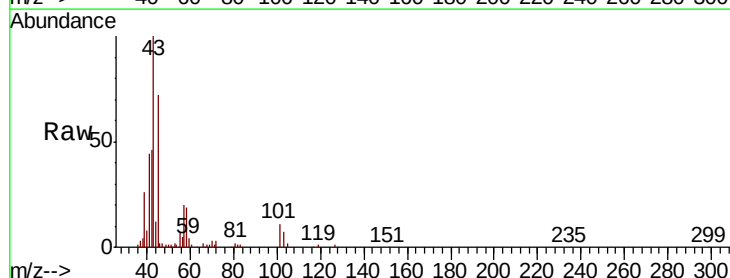
Acq: 17 Jun 2021 20:01

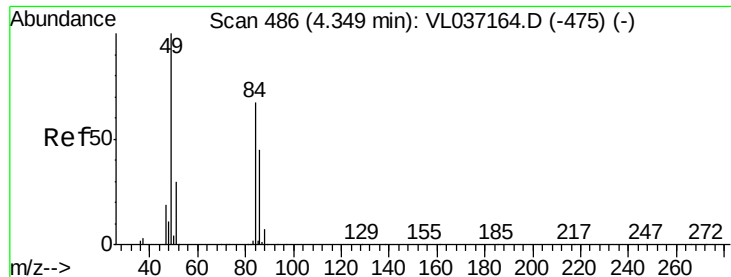
Tgt Ion: 45 Resp: 34845

Ion Ratio Lower Upper

45 100

58 0.0 2.4 3.6#

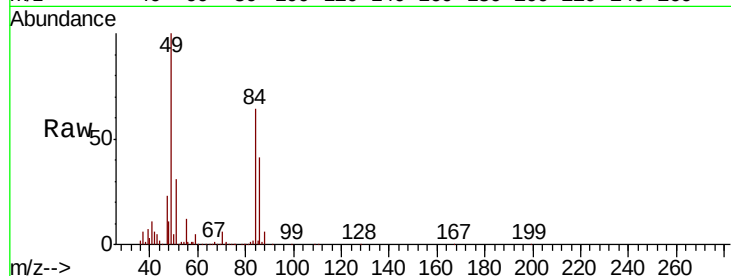




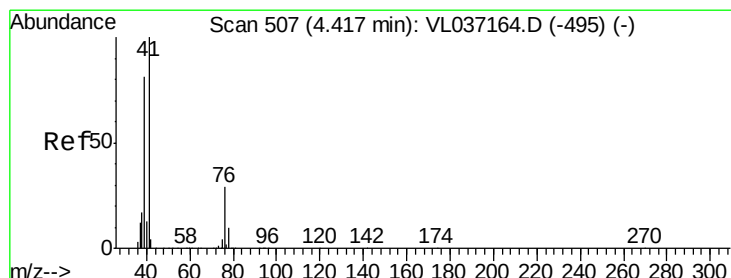
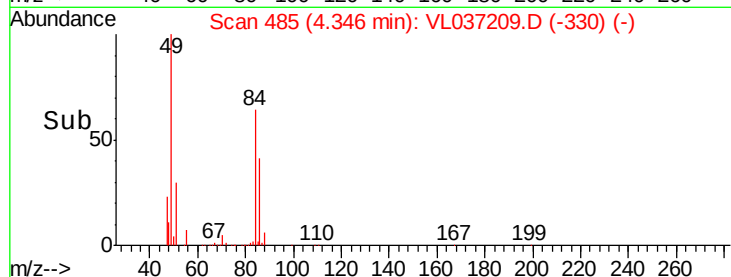
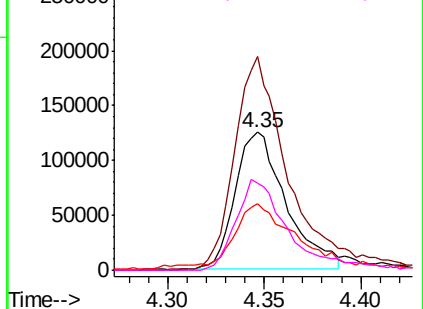
#20
Methylene Chloride
Concen: 2.204 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.00 min
Lab File: VL037209.D
Acq: 17 Jun 2021 20:01

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tot Ion:	84	Resp:	227678
Ion	Ratio	Lower	Upper
84	100		
49	155.6	119.7	179.5
51	45.4	36.1	54.1
86	63.6	53.7	80.5

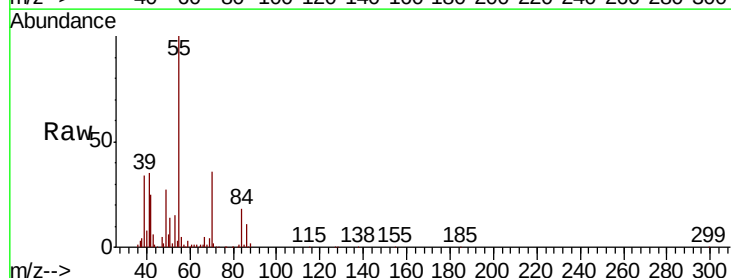


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

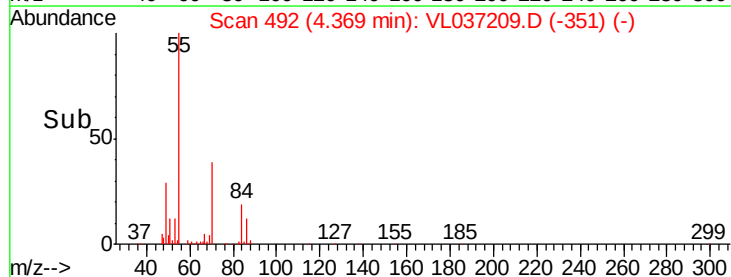
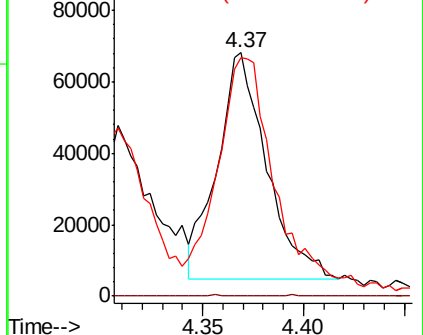


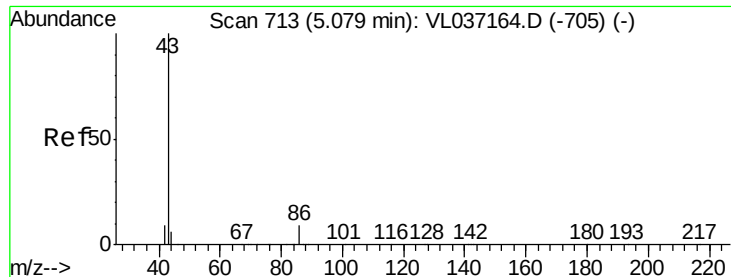
#21
Allyl Chloride
Concen: 0.835 ppbv
RT: 4.37 min Scan# 492
Delta R.T. -0.05 min
Lab File: VL037209.D
Acq: 17 Jun 2021 20:01

Tgt Ion:	41	Resp:	108679
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.6	37.0#
39	128.4	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: 2.480 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.02 min

Lab File: VL037209.D

Acq: 17 Jun 2021 20:01

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tot Ion: 43 Resp: 613646

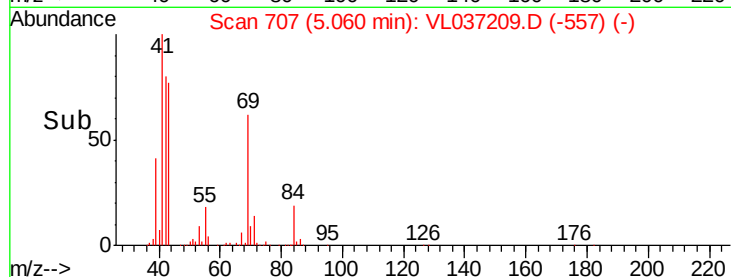
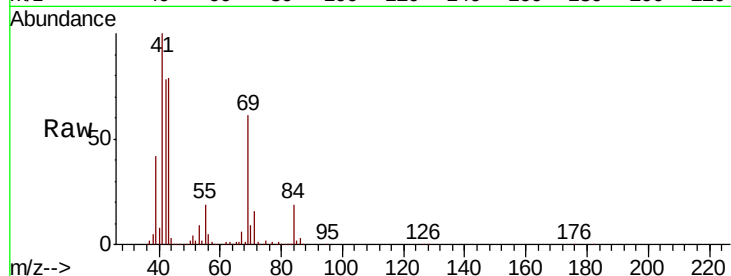
Ion Ratio Lower Upper

43 100

86 3.7 5.8 8.8#

42 100.4 8.2 12.2#

44 2.7 4.2 6.4#

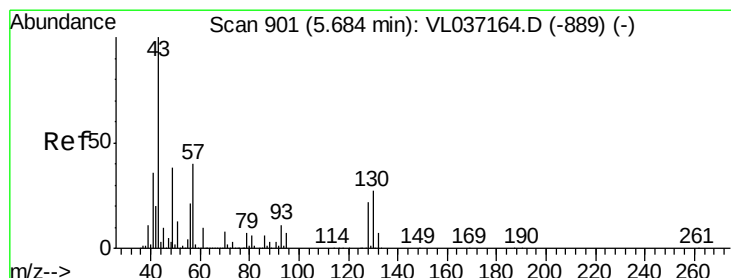
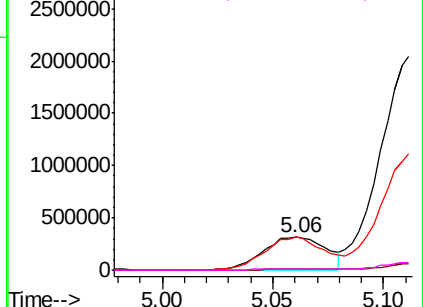


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.939 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL037209.D

Acq: 17 Jun 2021 20:01

Tgt Ion: 43 Resp: 4086891

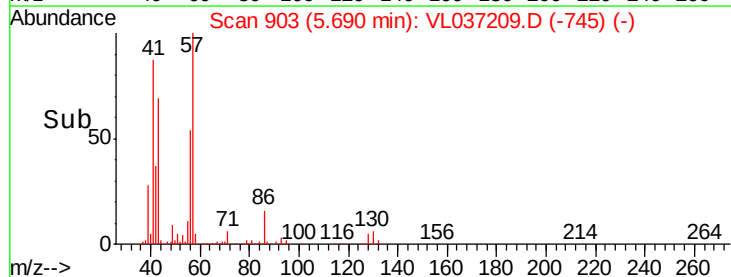
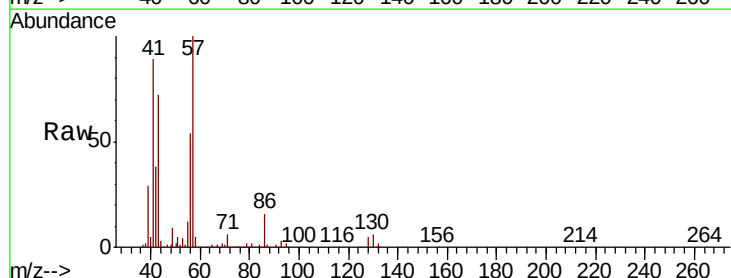
Ion Ratio Lower Upper

43 100

45 0.1 8.0 12.0#

61 0.2 8.1 12.1#

70 1.7 5.5 8.3#

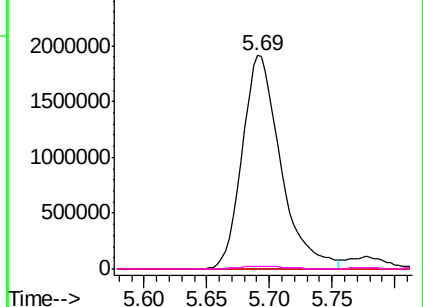


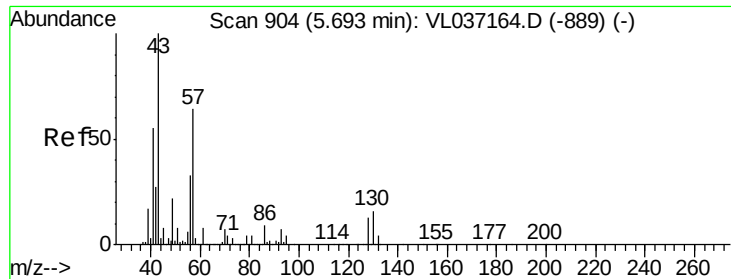
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 30.963 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.00 min

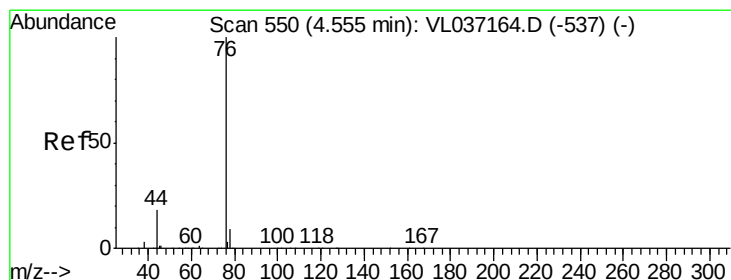
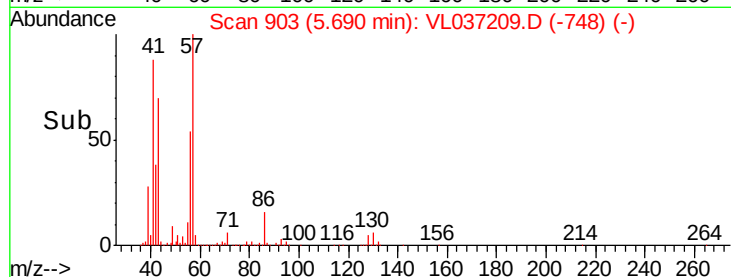
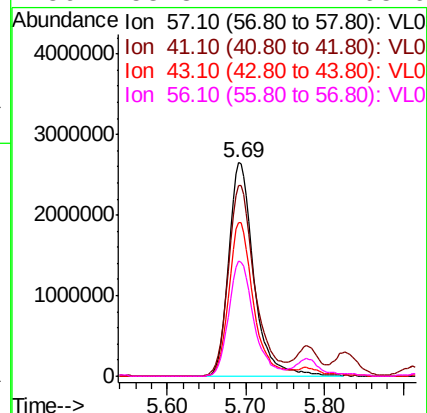
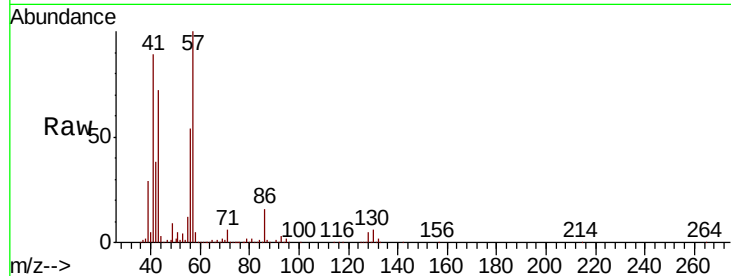
Lab File: VL037209.D

Acq: 17 Jun 2021 20:01

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tot Ion: 57 Resp: 5846926

Ion	Ratio	Lower	Upper
57	100		
41	93.5	73.5	110.3
43	70.1	170.7	256.1#
56	53.8	42.4	63.6



#27

Carbon Disulfide

Concen: 5.667 ppbv

RT: 4.55 min Scan# 549

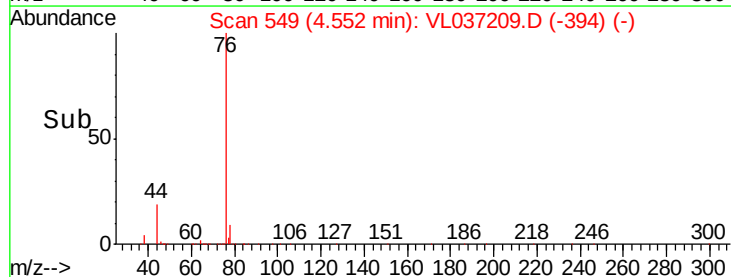
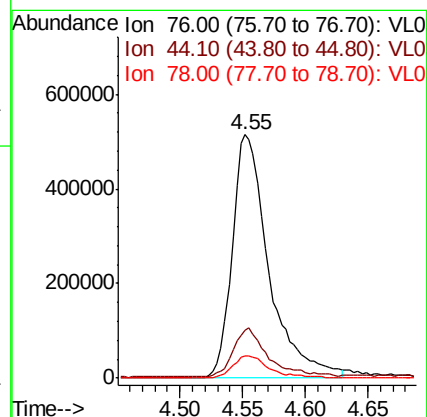
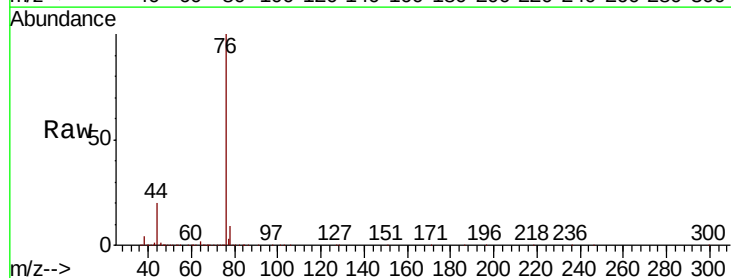
Delta R.T. -0.00 min

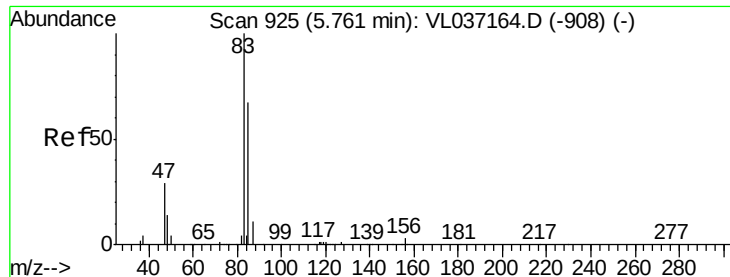
Lab File: VL037209.D

Acq: 17 Jun 2021 20:01

Tgt Ion: 76 Resp: 1048480

Ion	Ratio	Lower	Upper
76	100		
44	19.3	15.4	23.2
78	9.4	8.0	12.0





#29

Chloroform

Concen: 0.593 ppbv

RT: 5.76 min Scan# 924

Delta R.T. -0.00 min

Lab File: VL037209.D

Acq: 17 Jun 2021 20:01

Instrument :

MSVOA_L

ClientSampleId :

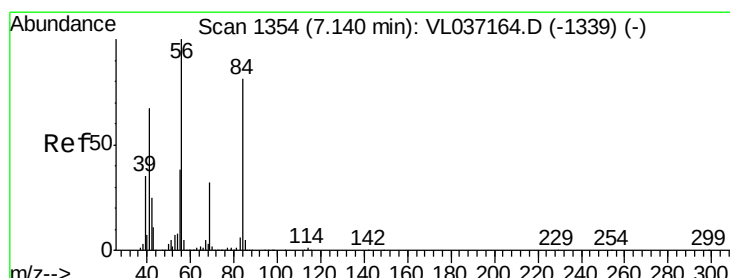
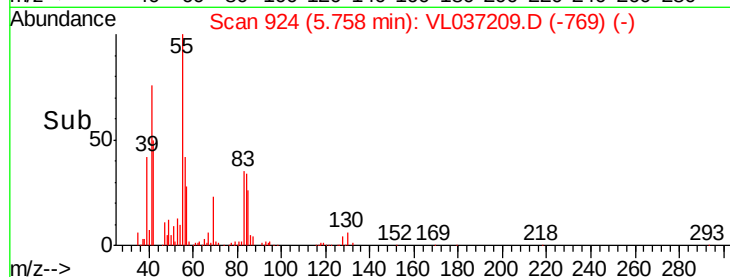
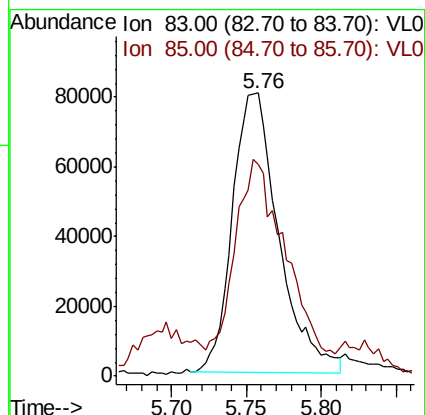
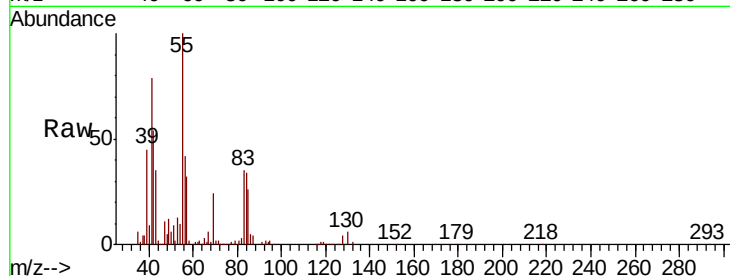
SV1

Tot Ion: 83 Resp: 173011

Ion Ratio Lower Upper

83 100

85 65.8 53.6 80.4



#30

Cyclohexane

Concen: 0.296 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.00 min

Lab File: VL037209.D

Acq: 17 Jun 2021 20:01

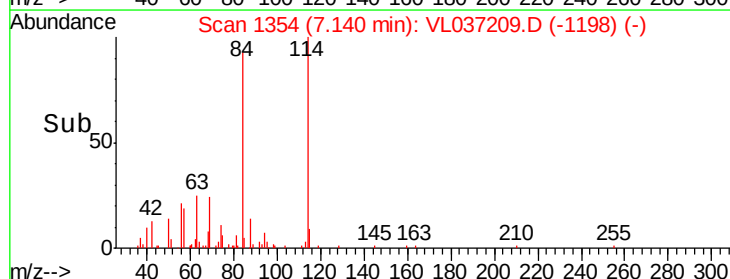
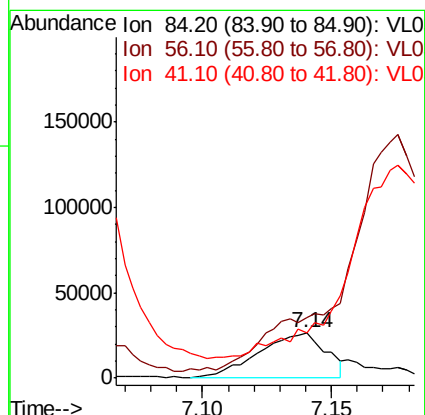
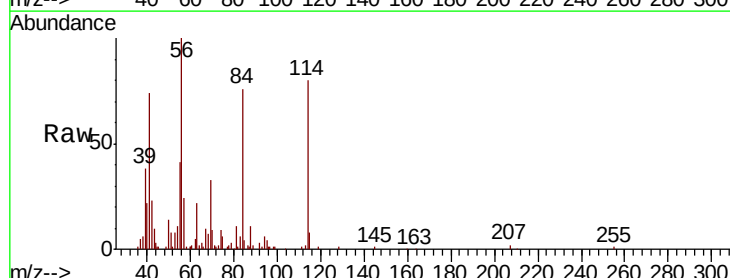
Tgt Ion: 84 Resp: 46589

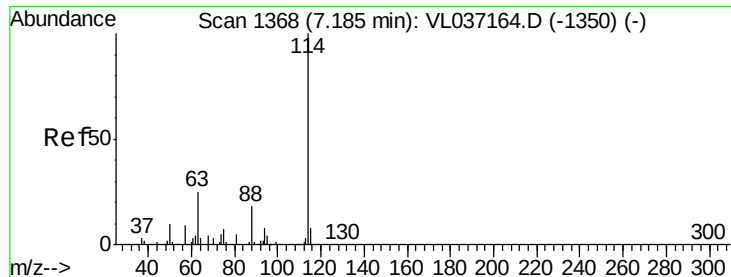
Ion Ratio Lower Upper

84 100

56 0.0 107.7 161.5#

41 0.0 69.0 103.6#

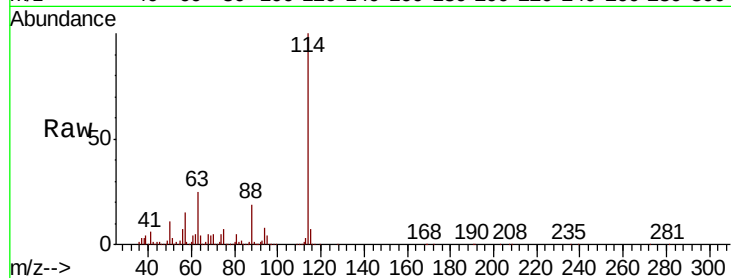




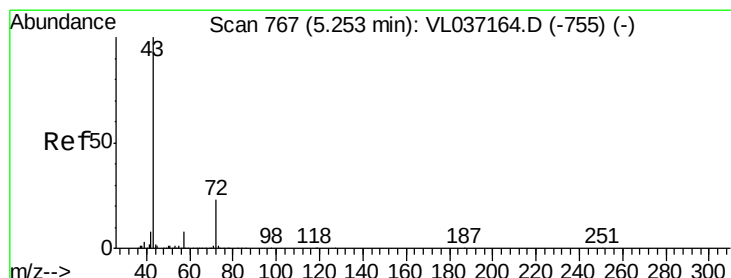
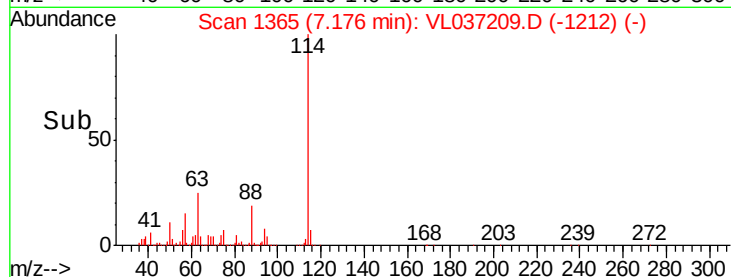
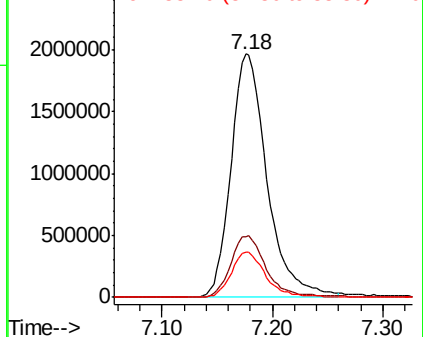
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL037209.D
 Acq: 17 Jun 2021 20:01

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Tot Ion:114 Resp: 4453661
 Ion Ratio Lower Upper
 114 100
 63 25.7 19.6 29.4
 88 18.2 14.2 21.2

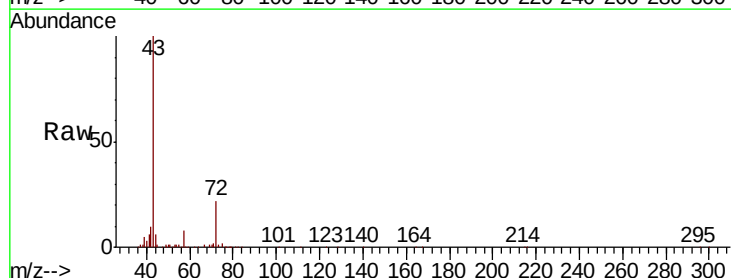


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

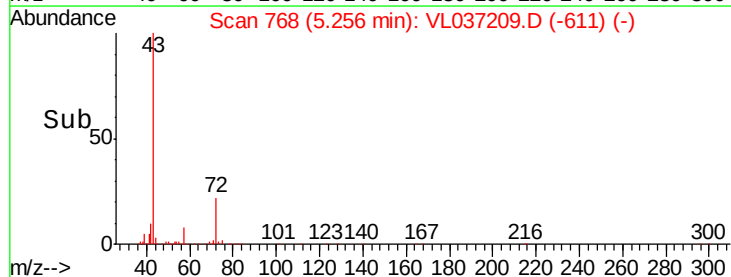
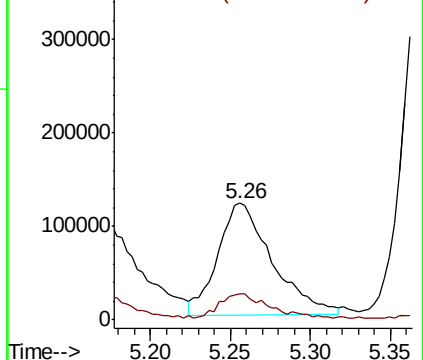


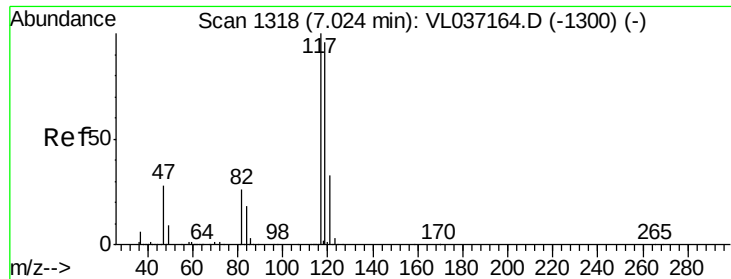
#34
 2-Butanone
 Concen: 1.620 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VL037209.D
 Acq: 17 Jun 2021 20:01

Tgt Ion: 43 Resp: 280557
 Ion Ratio Lower Upper
 43 100
 72 23.8 18.9 28.3



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

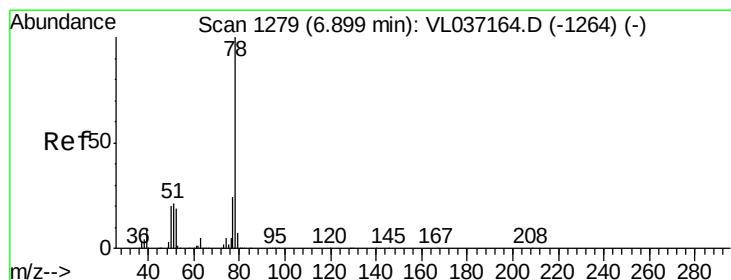
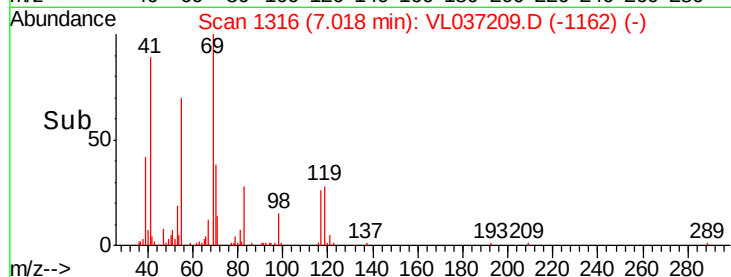
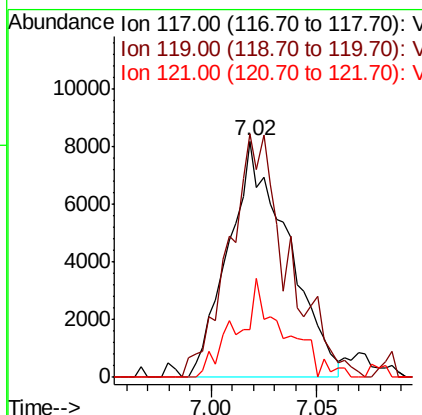
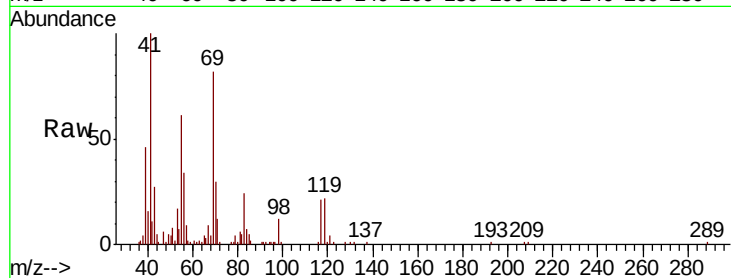




#35
Carbon Tetrachloride
Concen: 0.054 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VL037209.D
Acq: 17 Jun 2021 20:01

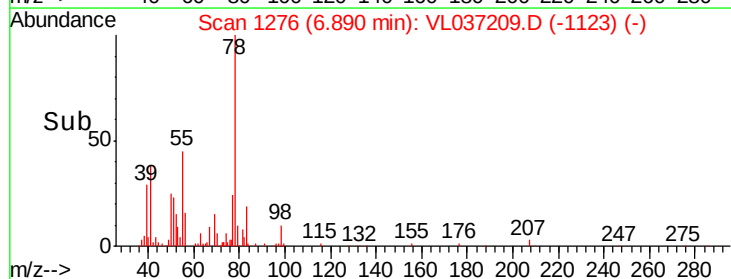
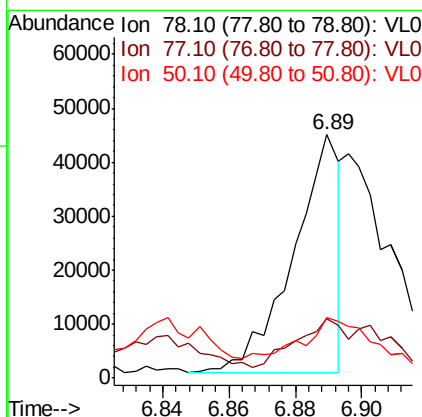
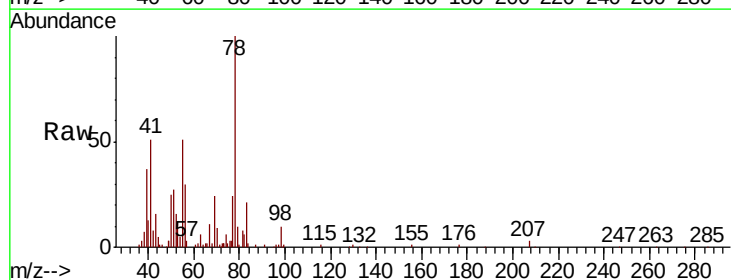
Instrument :
MSVOA_L
ClientSampled :
SV1

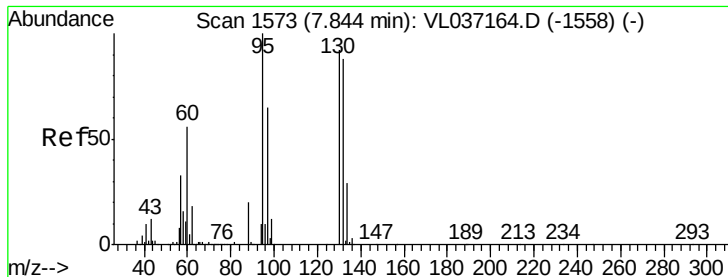
Tot Ion:117 Resp: 16023
Ion Ratio Lower Upper
117 100
119 97.2 76.6 114.8
121 20.1 26.4 39.6#



#36
Benzene
Concen: 0.120 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VL037209.D
Acq: 17 Jun 2021 20:01

Tgt Ion: 78 Resp: 43069
Ion Ratio Lower Upper
78 100
77 10.3 19.0 28.6#
50 8.5 15.7 23.5#





#38

Trichloroethene

Concen: 0.105 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VL037209.D

Acq: 17 Jun 2021 20:01

Instrument :

MSVOA_L

ClientSampled :

SV1

Tot Ion:130 Resp: 17921

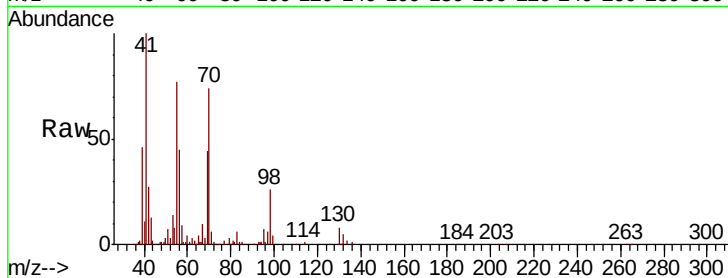
Ion Ratio Lower Upper

130 100

95 79.4 86.6 129.8#

132 59.9 76.6 114.8#

97 63.1 56.1 84.1

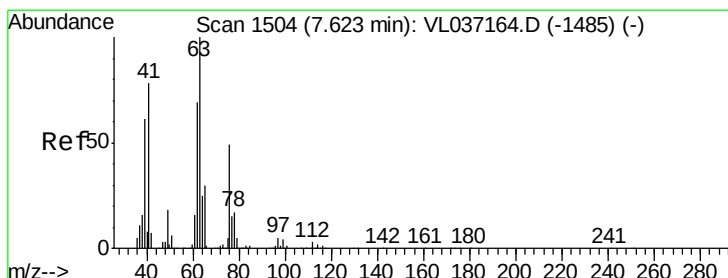
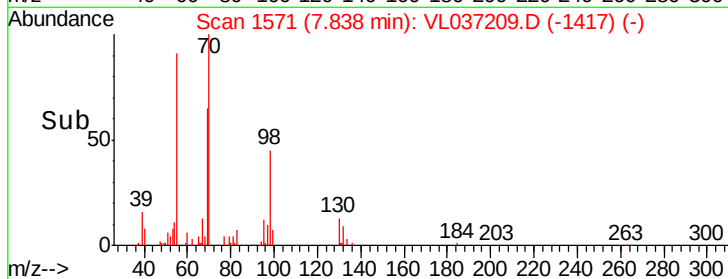
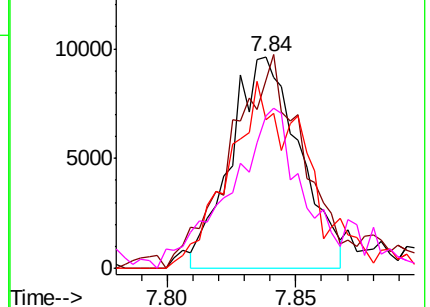


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 0.156 ppbv

RT: 7.23 min Scan# 1381

Delta R.T. -0.40 min

Lab File: VL037209.D

Acq: 17 Jun 2021 20:01

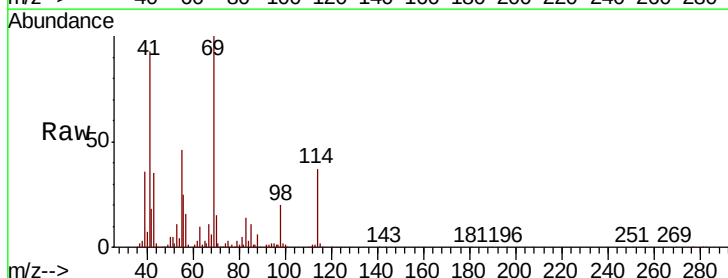
Tgt Ion: 63 Resp: 20825

Ion Ratio Lower Upper

63 100

41 0.0 62.0 93.0#

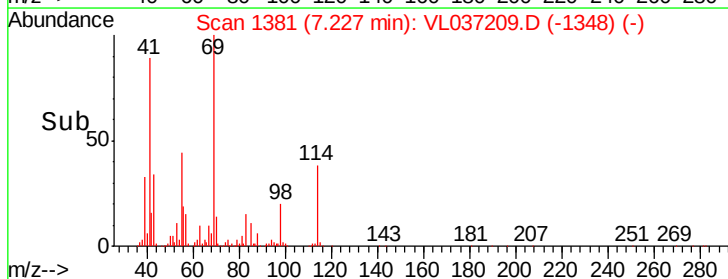
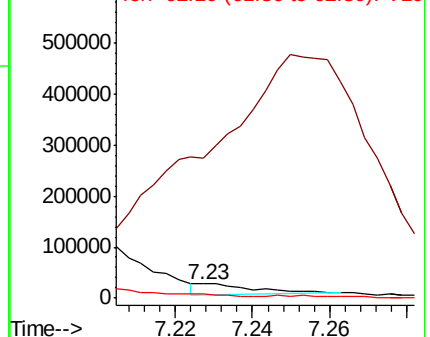
62 32.2 54.9 82.3#

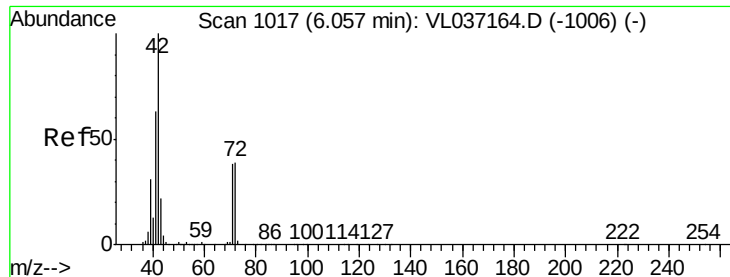


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

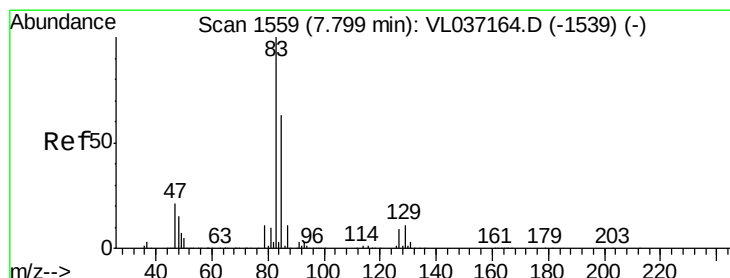
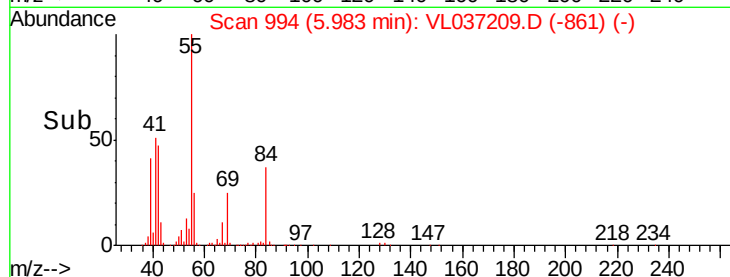
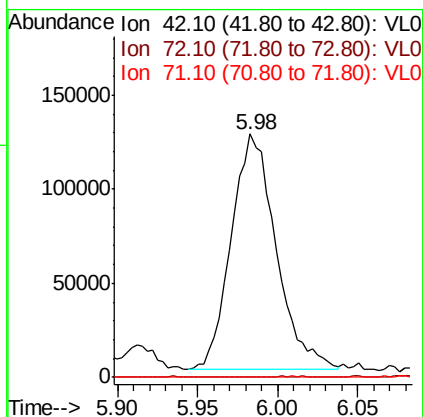
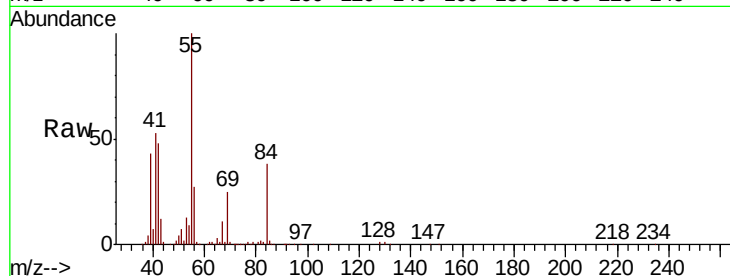




#41
Tetrahydrofuran
Concen: 2.986 ppbv
RT: 5.98 min Scan# 994
Delta R.T. -0.07 min
Lab File: VL037209.D
Acq: 17 Jun 2021 20:01

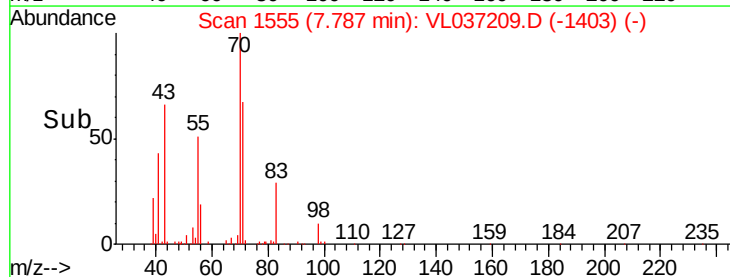
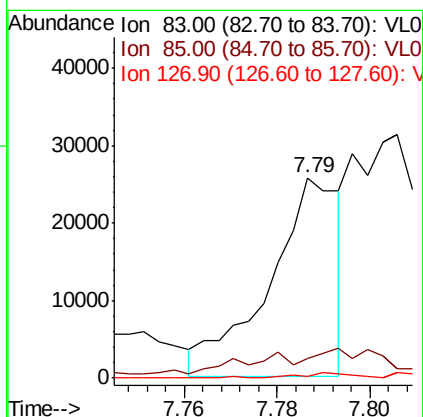
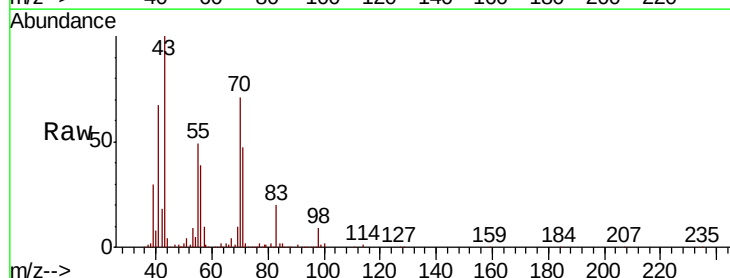
Instrument :
MSVOA_L
ClientSampleId :
SV1

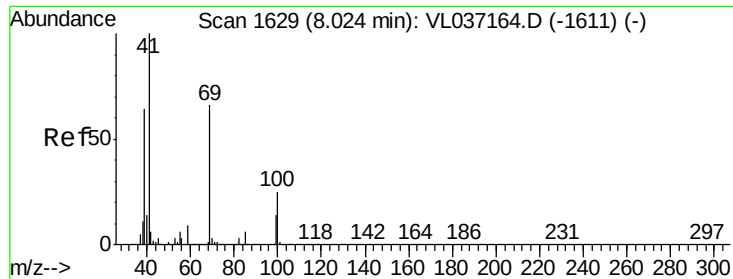
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.3	33.0	49.4#
71	0.0	31.0	46.6#



#42
Bromodichloromethane
Concen: 0.094 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. -0.01 min
Lab File: VL037209.D
Acq: 17 Jun 2021 20:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	9.3	50.8	76.2#
127	1.2	7.0	10.6#

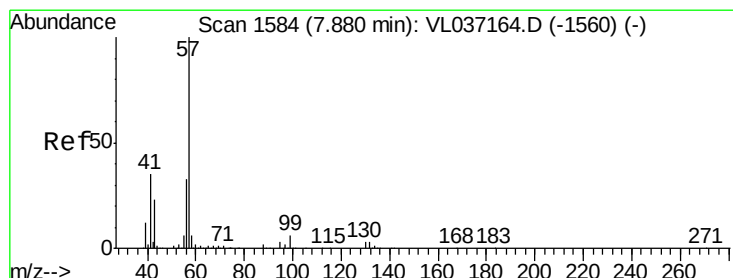
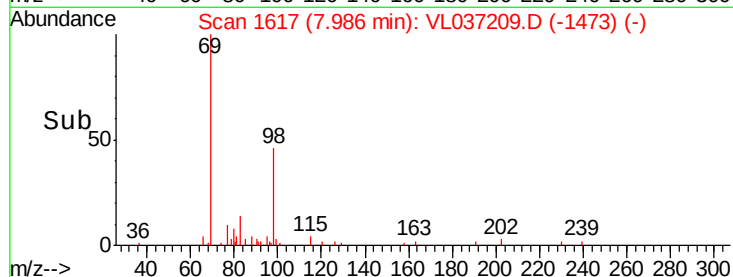
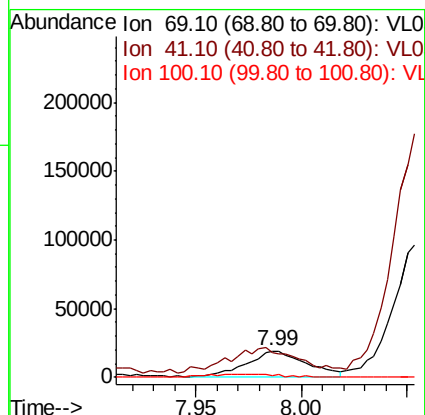
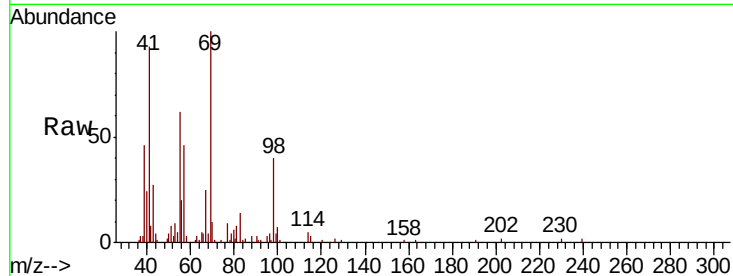




#43
Methyl Methacrylate
Concen: 0.291 ppbv
RT: 7.99 min Scan# 1617
Delta R.T. -0.04 min
Lab File: VL037209.D
Acq: 17 Jun 2021 20:01

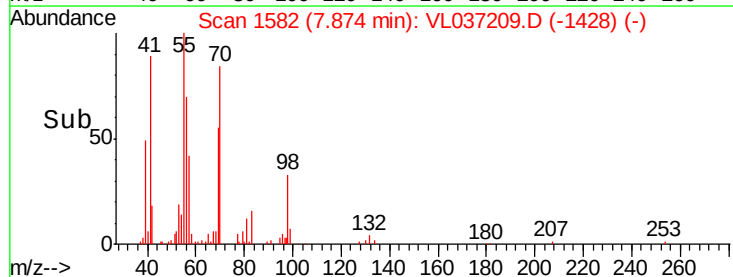
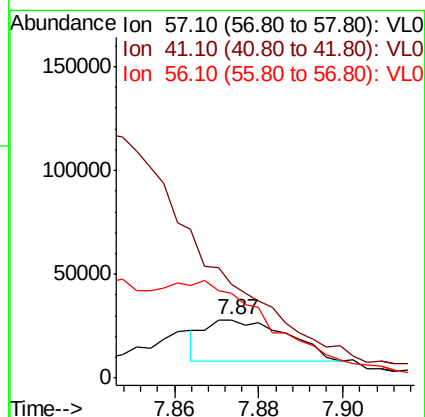
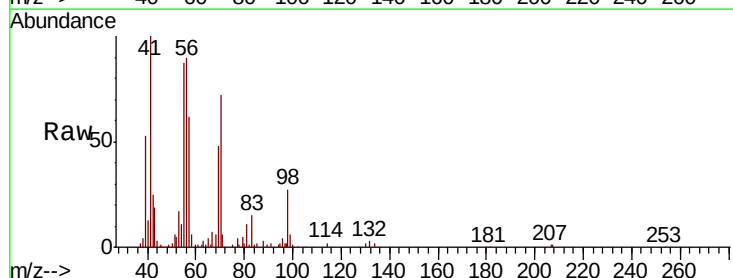
Instrument :
MSVOA_L
ClientSampleId :
SV1

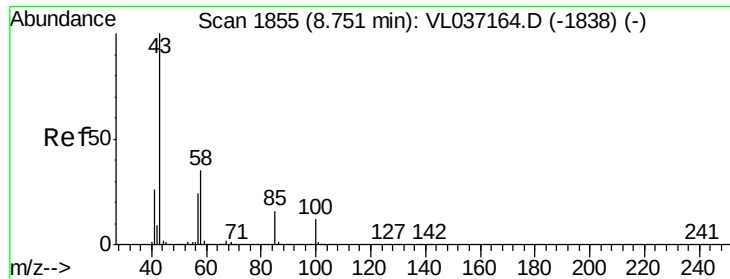
Tot Ion: 69 Resp: 36254
Ion Ratio Lower Upper
69 100
41 0.0 119.4 179.0#
100 0.0 28.6 43.0#



#44
2,2,4-Trimethylpentane
Concen: 0.044 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.01 min
Lab File: VL037209.D
Acq: 17 Jun 2021 20:01

Tgt Ion: 57 Resp: 26603
Ion Ratio Lower Upper
57 100
41 0.0 27.6 41.4#
56 0.0 25.3 37.9#

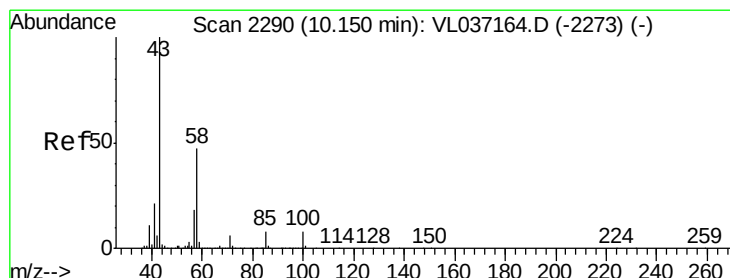
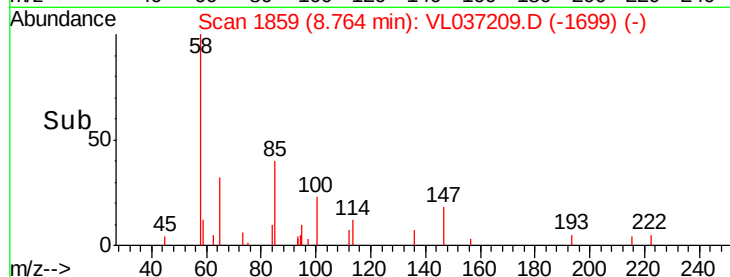
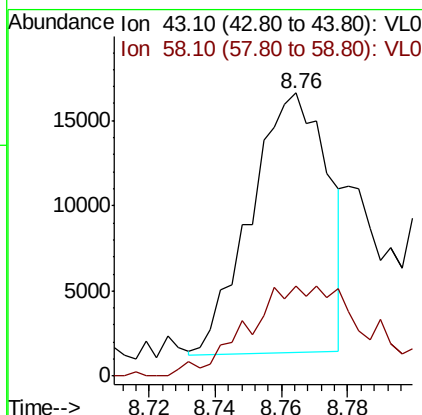
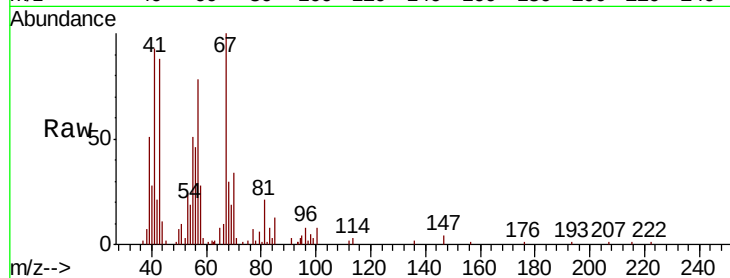




#50
4-Methyl-2-Pentanone
Concen: 0.103 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. 0.01 min
Lab File: VL037209.D
Acq: 17 Jun 2021 20:01

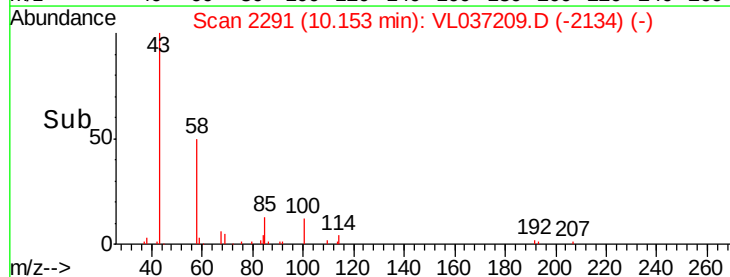
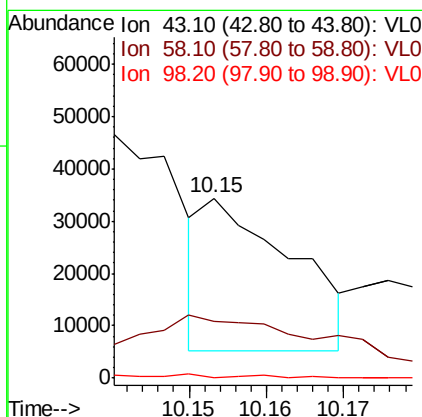
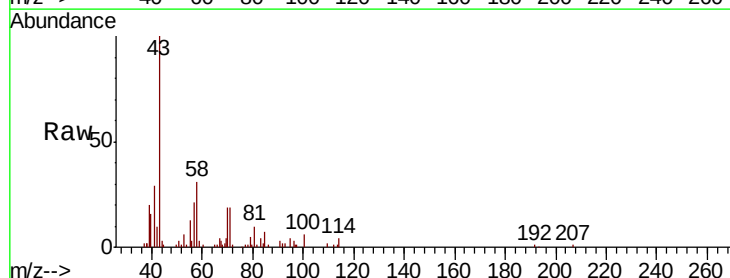
Instrument :
MSVOA_L
ClientSampleId :
SV1

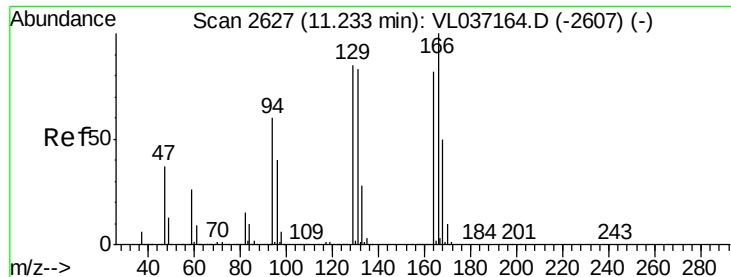
Tot Ion: 43 Resp: 24519
Ion Ratio Lower Upper
43 100
58 60.4 28.4 42.6#



#51
2-Hexanone
Concen: 0.201 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VL037209.D
Acq: 17 Jun 2021 20:01

Tgt Ion: 43 Resp: 23252
Ion Ratio Lower Upper
43 100
58 151.1 38.4 57.6#
98 0.0 0.3 0.5#





#52

Tetrachloroethene

Concen: 5.109 ppbv

RT: 11.23 min Scan# 2625

Delta R.T. -0.01 min

Lab File: VL037209.D

Acq: 17 Jun 2021 20:01

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tot Ion:164 Resp: 854928

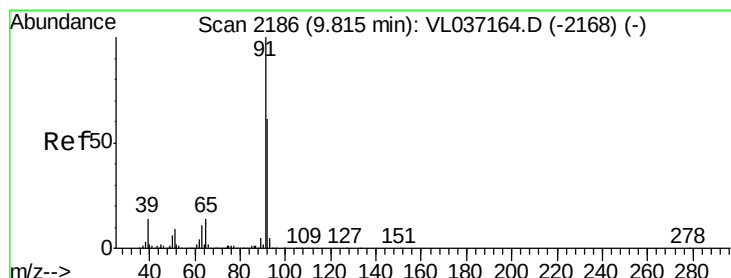
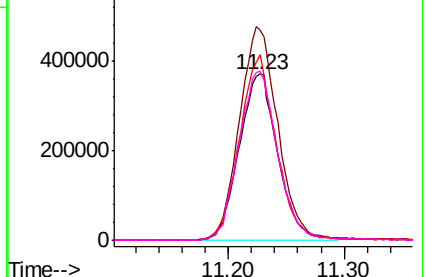
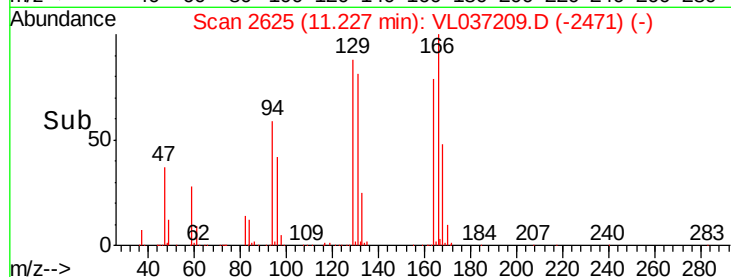
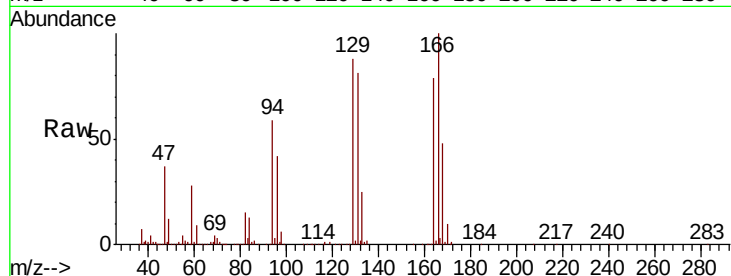
Ion Ratio Lower Upper

164 100

166 126.4 97.6 146.4

129 111.3 82.9 124.3

131 102.0 80.6 120.8



#53

Toluene

Concen: 1.241 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL037209.D

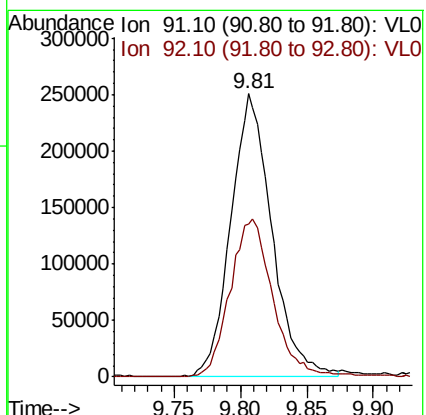
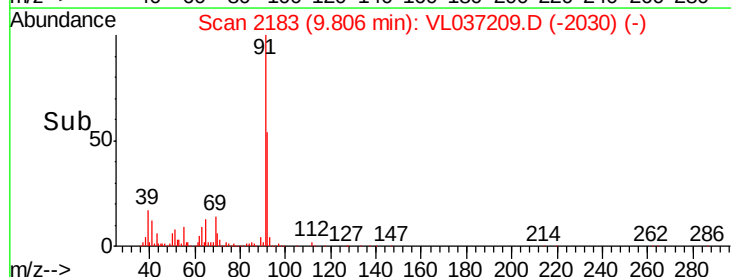
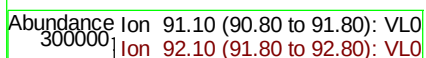
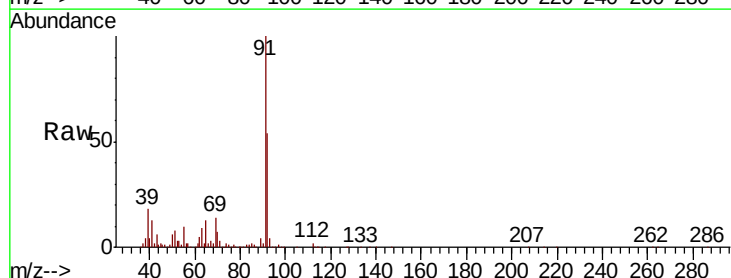
Acq: 17 Jun 2021 20:01

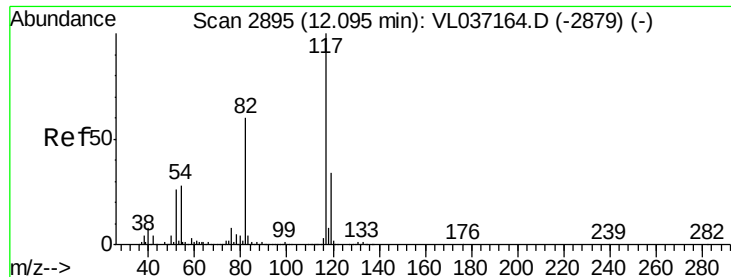
Tgt Ion: 91 Resp: 533951

Ion Ratio Lower Upper

91 100

92 59.2 48.3 72.5

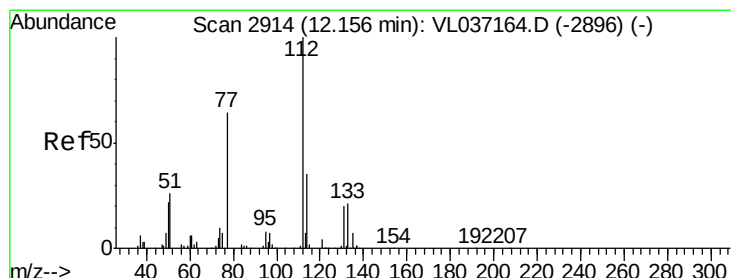
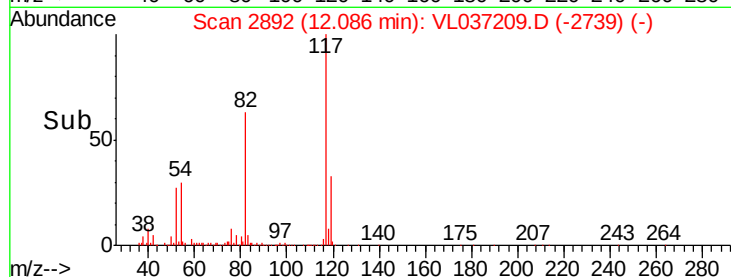
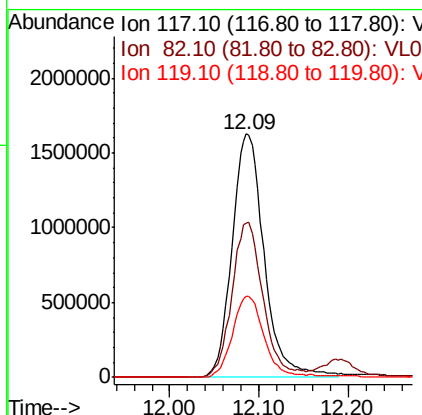
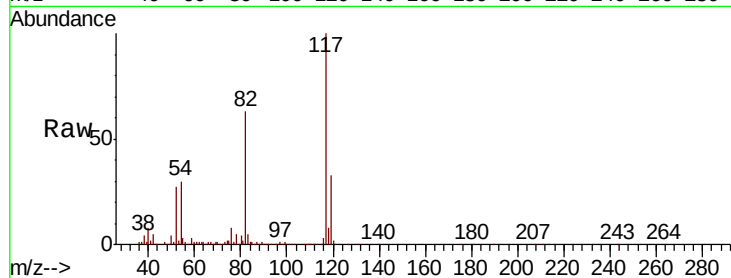




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL037209.D
Acq: 17 Jun 2021 20:01

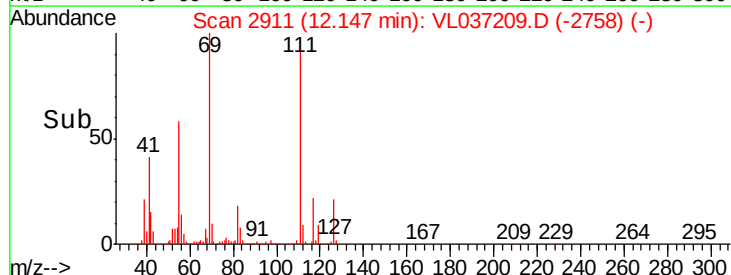
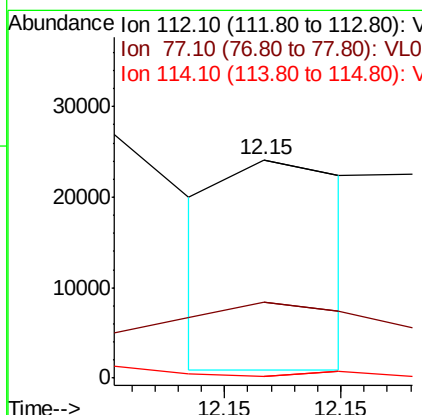
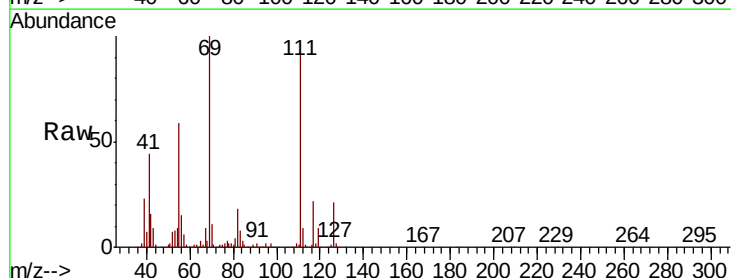
Instrument :
MSVOA_L
ClientSampleId :
SV1

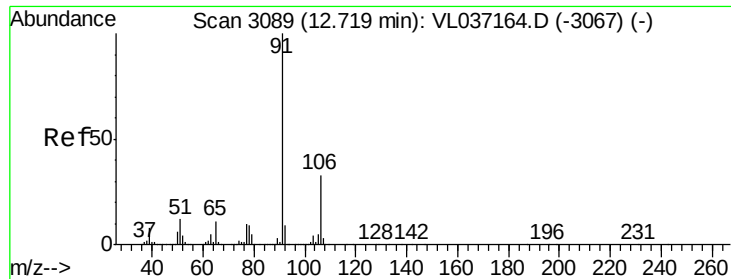
Tot Ion:117 Resp: 4068400
Ion Ratio Lower Upper
117 100
82 61.7 51.7 77.5
119 33.5 47.6 71.4#



#57
Chlorobenzene
Concen: 0.026 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL037209.D
Acq: 17 Jun 2021 20:01

Tgt Ion:112 Resp: 8592
Ion Ratio Lower Upper
112 100
77 42.9 52.2 78.4#
114 2.6 31.1 38.1#





#58

Ethyl Benzene

Concen: 0.286 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. -0.01 min

Lab File: VL037209.D

Acq: 17 Jun 2021 20:01

Instrument :

MSVOA_L

ClientSampled :

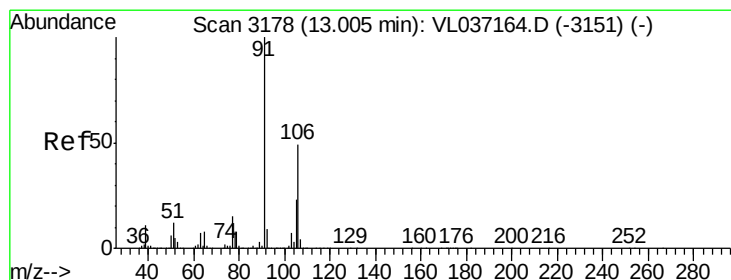
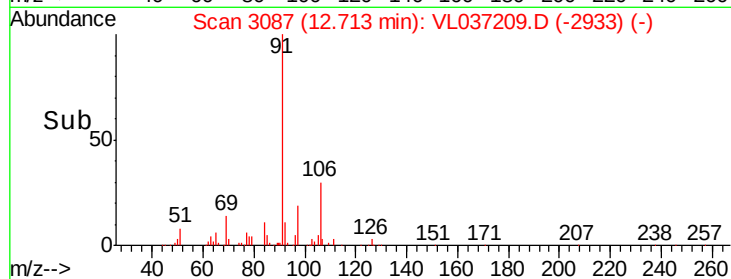
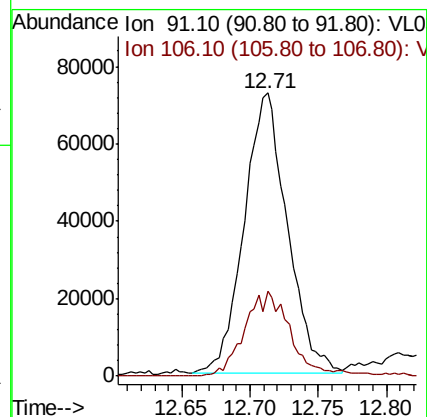
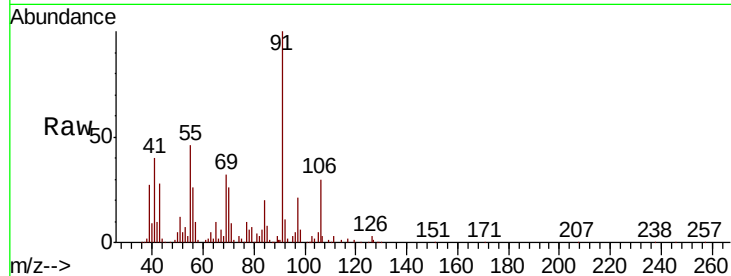
SV1

Tot Ion: 91 Resp: 160282

Ion Ratio Lower Upper

91 100

106 30.2 26.3 39.5



#59

m/p-Xylene

Concen: 0.563 ppbv

RT: 12.97 min Scan# 3167

Delta R.T. -0.04 min

Lab File: VL037209.D

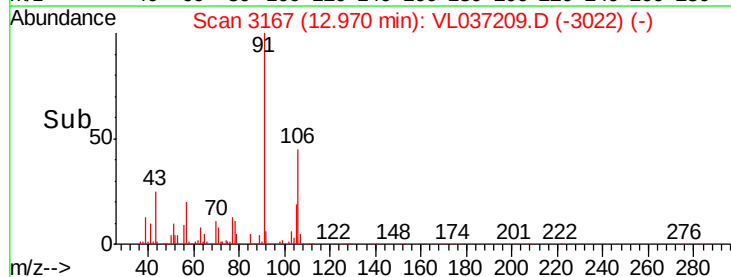
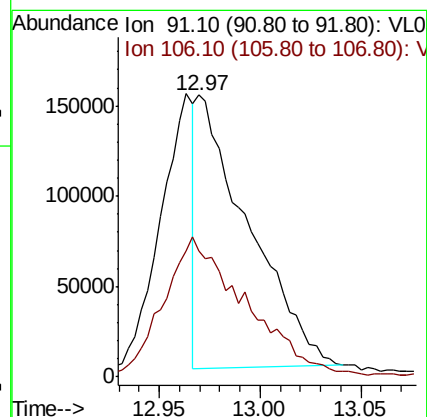
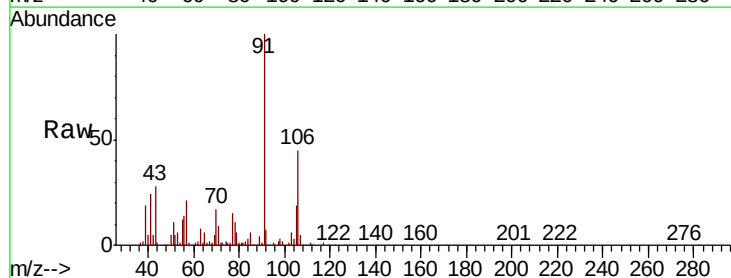
Acq: 17 Jun 2021 20:01

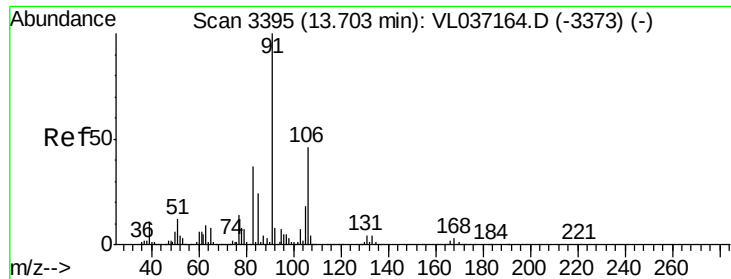
Tgt Ion: 91 Resp: 267359

Ion Ratio Lower Upper

91 100

106 84.2 37.0 55.4#

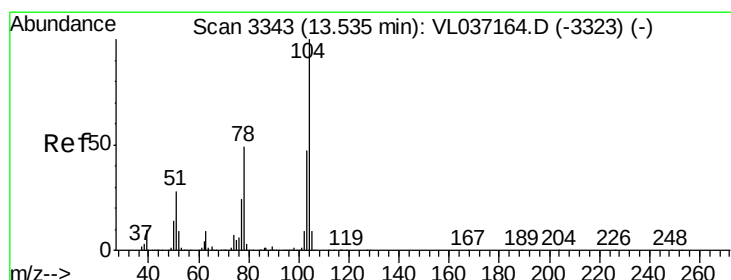
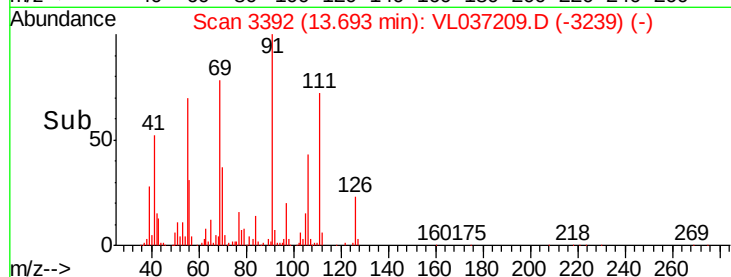
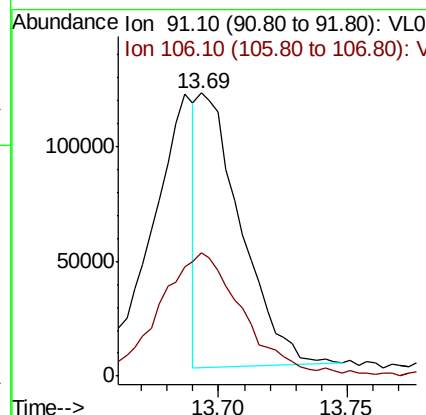
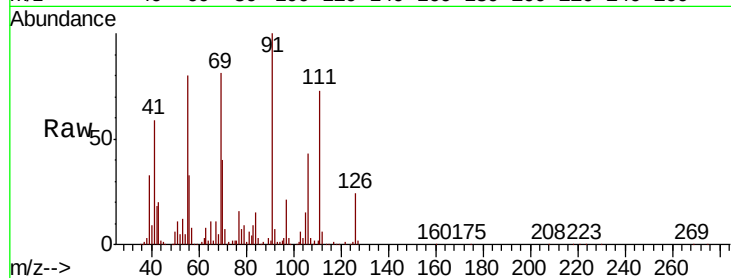




#60
o-Xylene
Concen: 0.306 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL037209.D
Acq: 17 Jun 2021 20:01

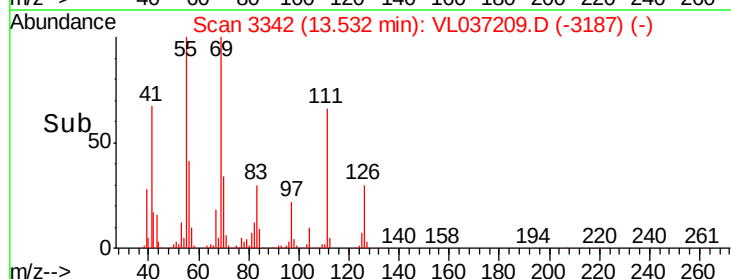
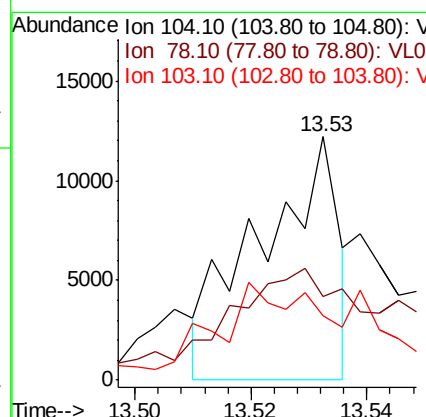
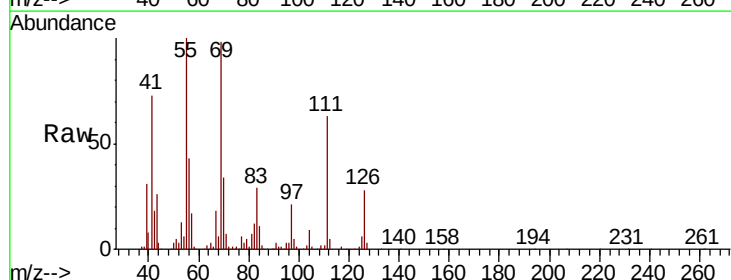
Instrument :
MSVOA_L
ClientSampleId :
SV1

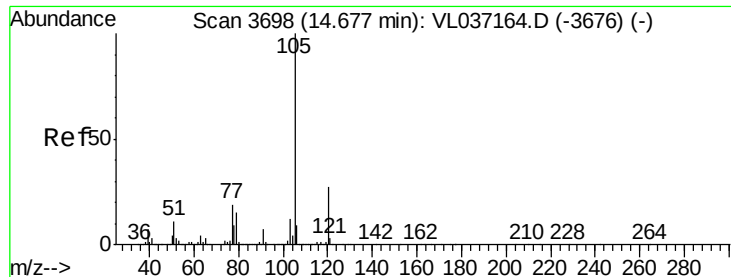
Tot Ion: 91 Resp: 138122
Ion Ratio Lower Upper
91 100
106 89.6 23.0 69.0#



#61
Styrene
Concen: 0.050 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VL037209.D
Acq: 17 Jun 2021 20:01

Tgt Ion:104 Resp: 11559
Ion Ratio Lower Upper
104 100
78 123.7 39.7 59.5#
103 92.0 37.6 56.4#





#62

Isopropylbenzene

Concen: 0.034 ppbv

RT: 14.66 min Scan# 3693

Delta R.T. -0.02 min

Lab File: VL037209.D

Acq: 17 Jun 2021 20:01

Instrument :

MSVOA_L

ClientSampleId :

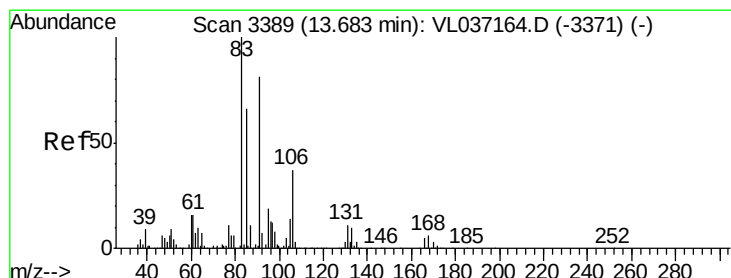
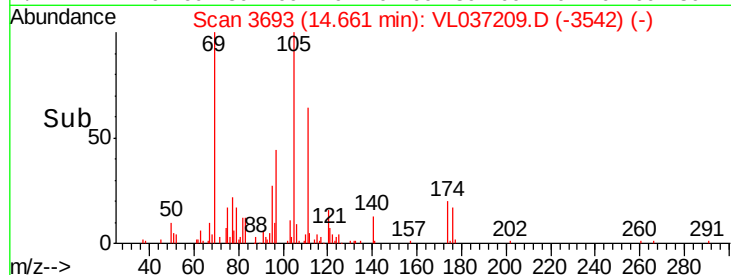
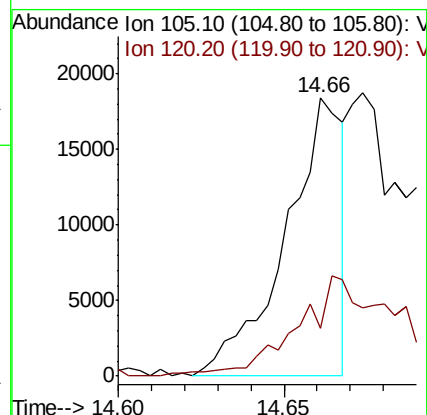
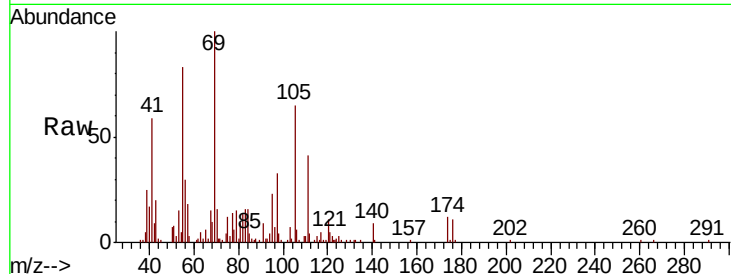
SV1

Tot Ion:105 Resp: 22117

Ion Ratio Lower Upper

105 100

120 65.7 21.6 32.4#



#63

1,1,2,2-Tetrachloroethane

Concen: 0.154 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. -0.01 min

Lab File: VL037209.D

Acq: 17 Jun 2021 20:01

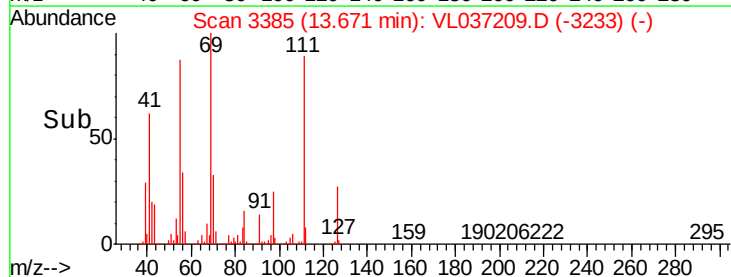
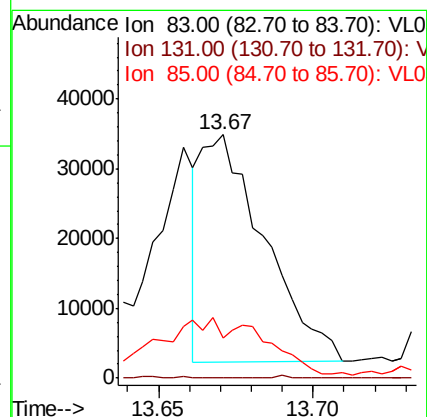
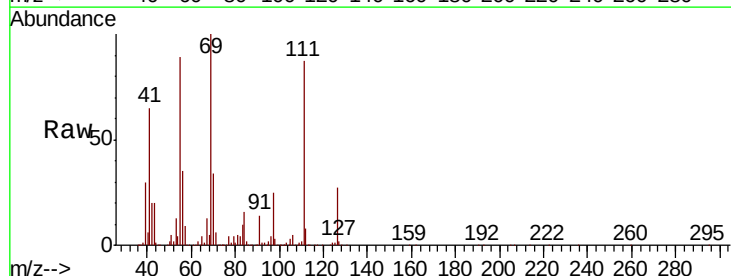
Tgt Ion: 83 Resp: 46482

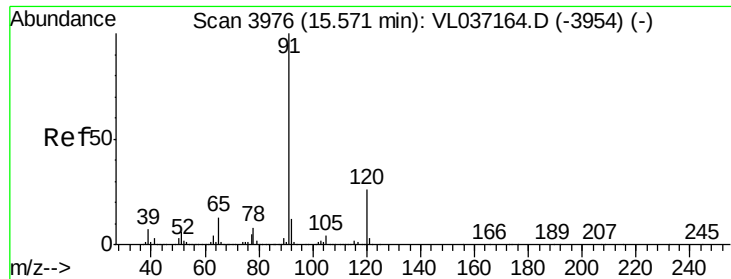
Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

85 42.8 33.1 99.2





#64

n-propylbenzene

Concen: 0.151 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. -0.01 min

Lab File: VL037209.D

Acq: 17 Jun 2021 20:01

Instrument :

MSVOA_L

ClientSampled :

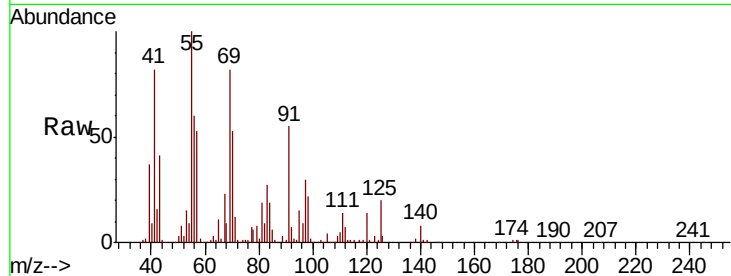
SV1

Tot Ion:120 Resp: 24301

Ion Ratio Lower Upper

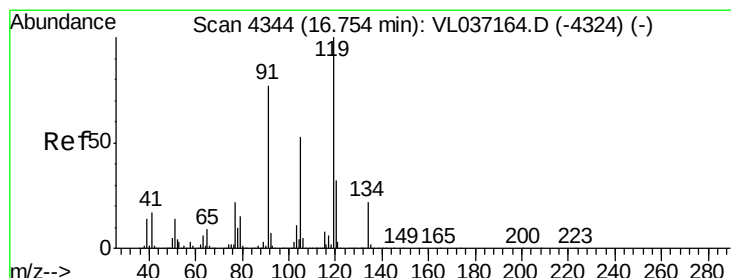
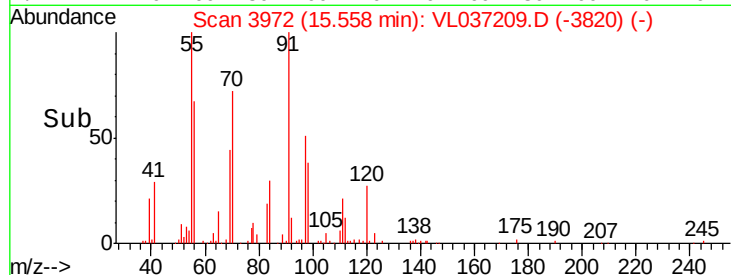
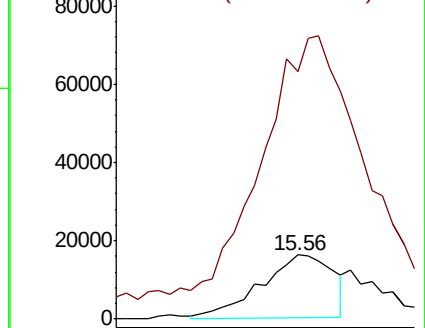
120 100

91 708.0 343.3 514.9#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.125 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.01 min

Lab File: VL037209.D

Acq: 17 Jun 2021 20:01

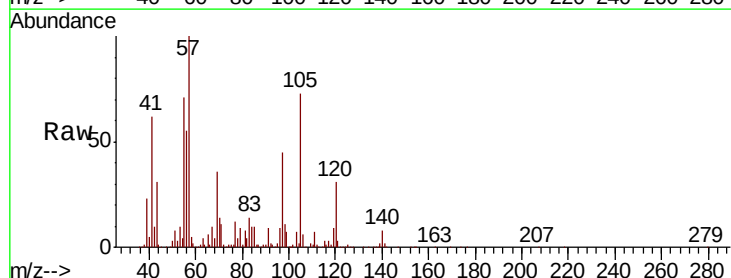
Tgt Ion:119 Resp: 71031

Ion Ratio Lower Upper

119 100

91 121.9 62.6 93.8#

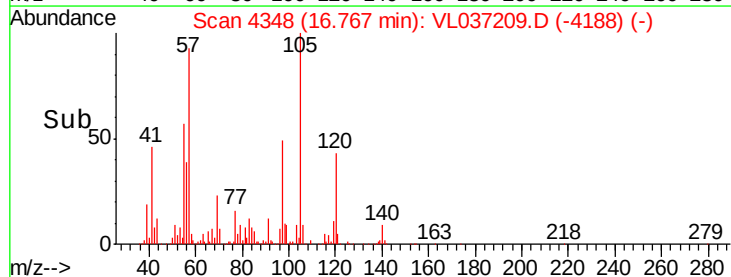
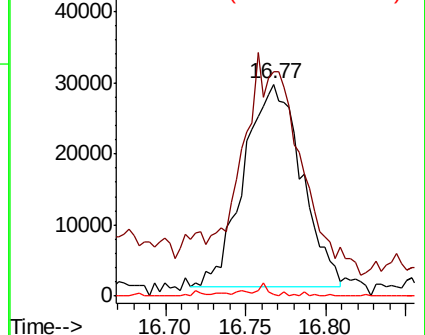
134 2.0 16.2 24.4#

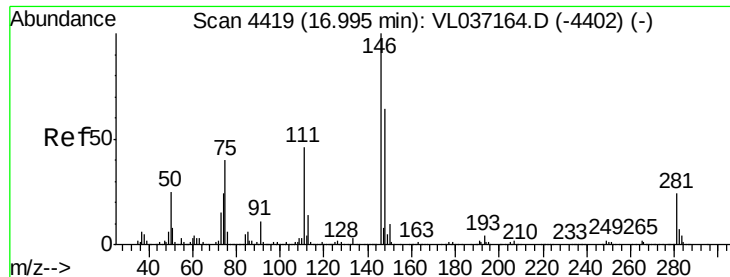


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

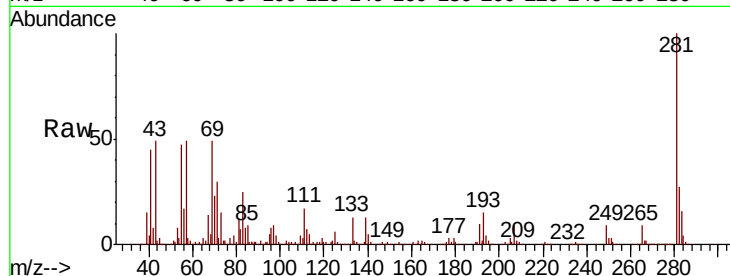




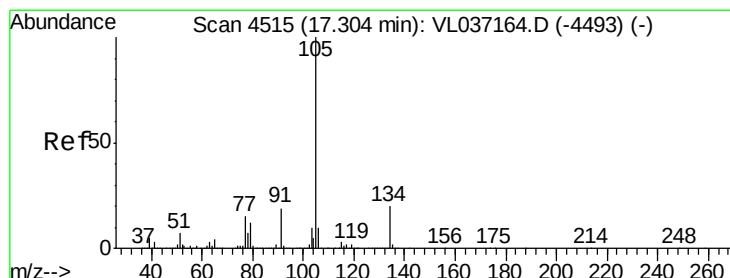
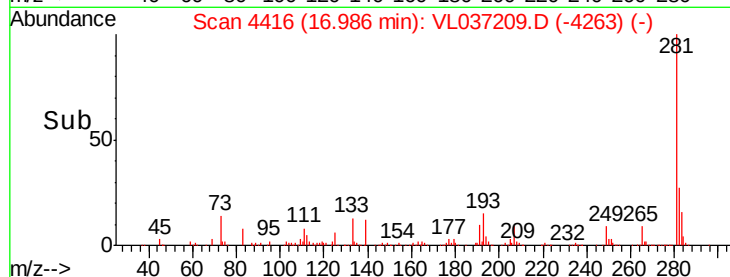
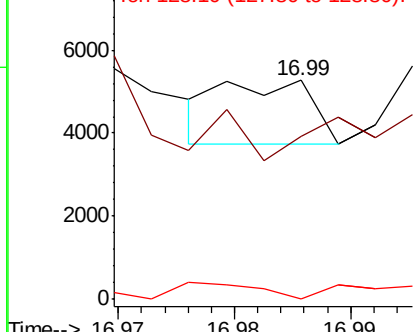
#66
Benzyl Chloride
Concen: 0.034 ppbv
RT: 16.99 min Scan# 4416
Delta R.T. -0.01 min
Lab File: VL037209.D
Acq: 17 Jun 2021 20:01

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tot Ion: 91 Resp: 818
Ion Ratio Lower Upper
91 100
126 0.0 15.5 23.3#
128 0.0 5.7 8.5#

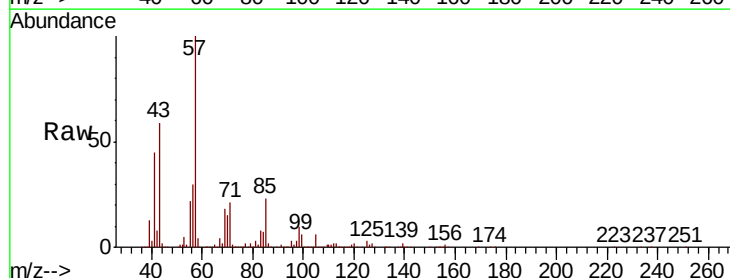


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

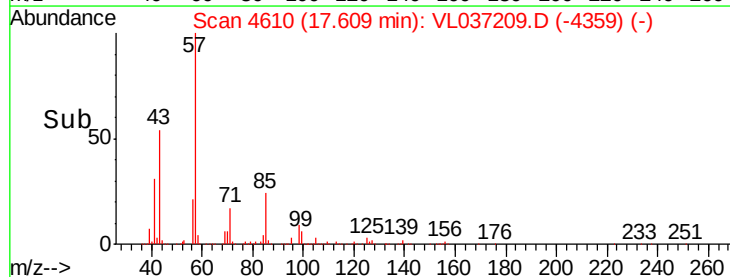
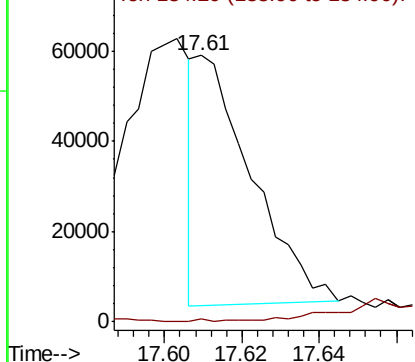


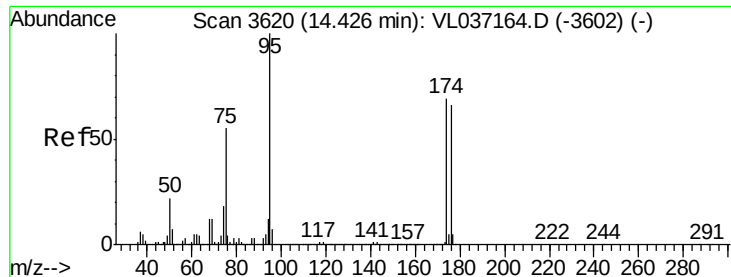
#67
sec-Butylbenzene
Concen: 0.072 ppbv
RT: 17.61 min Scan# 4610
Delta R.T. 0.31 min
Lab File: VL037209.D
Acq: 17 Jun 2021 20:01

Tgt Ion: 105 Resp: 54871
Ion Ratio Lower Upper
105 100
134 19.0 15.8 23.6



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

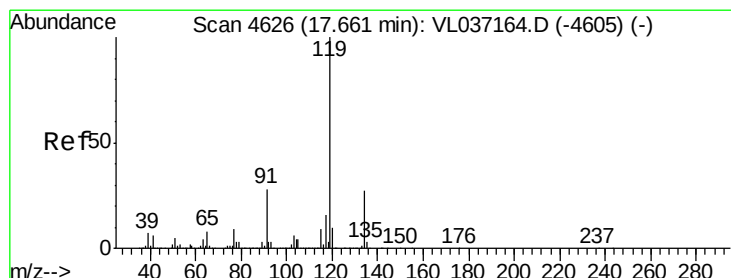
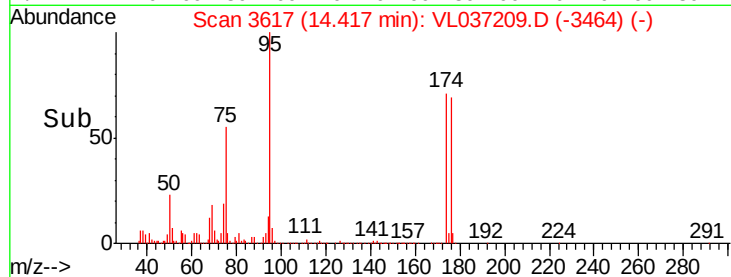
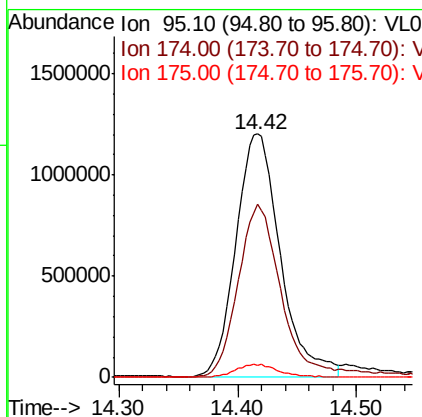
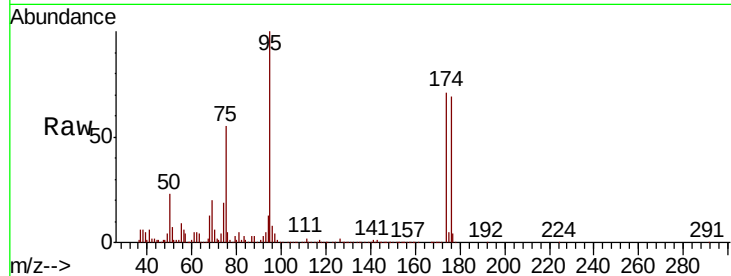




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.057 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL037209.D
 Acq: 17 Jun 2021 20:01

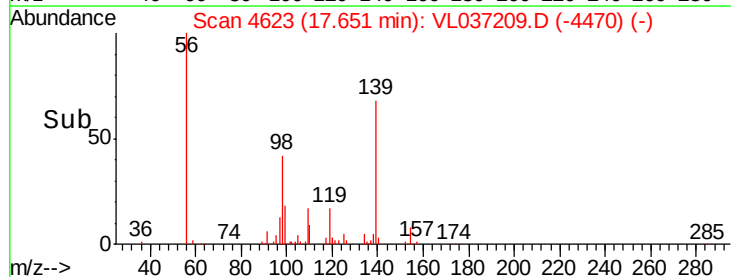
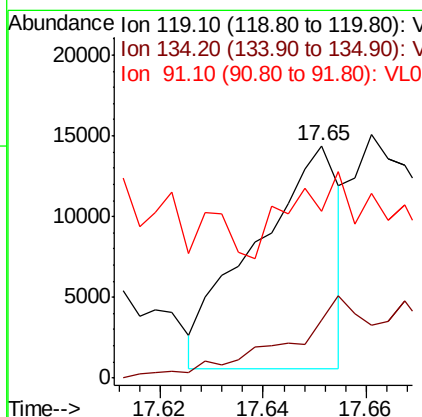
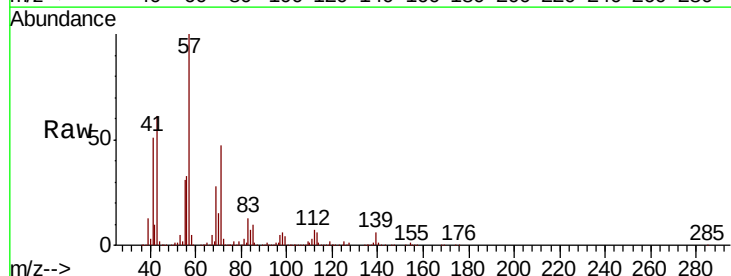
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

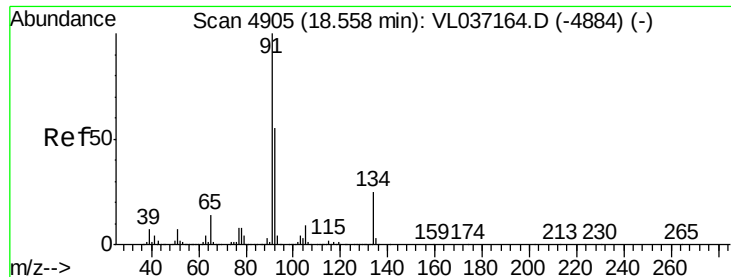
Tot Ion: 95 Resp: 3100406
 Ion Ratio Lower Upper
 95 100
 174 72.9 57.0 85.4
 175 5.4 4.4 6.6



#69
 p-Isopropyltoluene
 Concen: 0.024 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. -0.01 min
 Lab File: VL037209.D
 Acq: 17 Jun 2021 20:01

Tgt Ion: 119 Resp: 15548
 Ion Ratio Lower Upper
 119 100
 134 67.1 20.9 31.3#
 91 91.2 22.6 34.0#

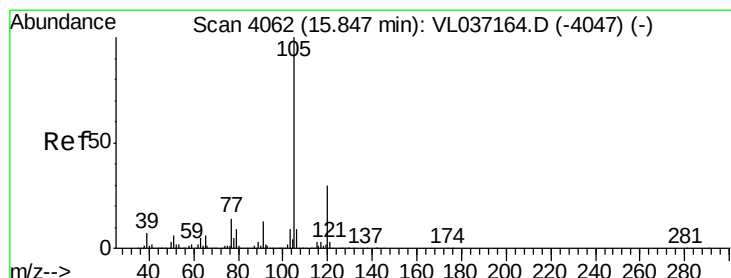
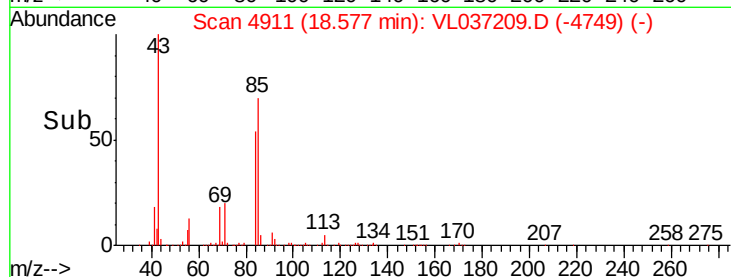
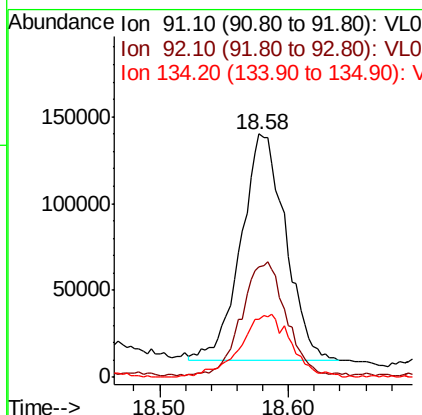
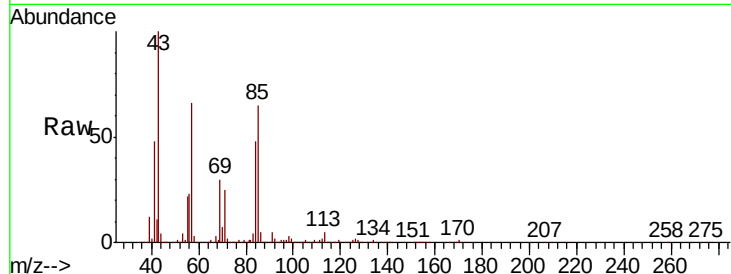




#70
n-Butylbenzene
Concen: 0.531 ppbv
RT: 18.58 min Scan# 4911
Delta R.T. 0.02 min
Lab File: VL037209.D
Acq: 17 Jun 2021 20:01

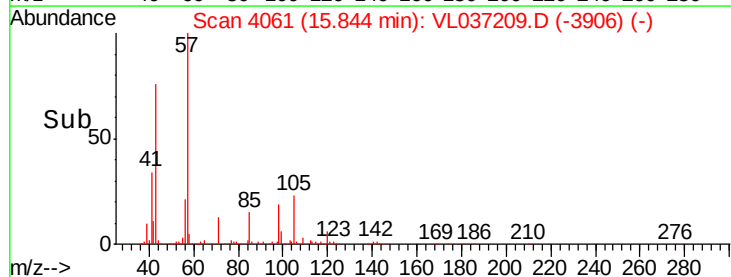
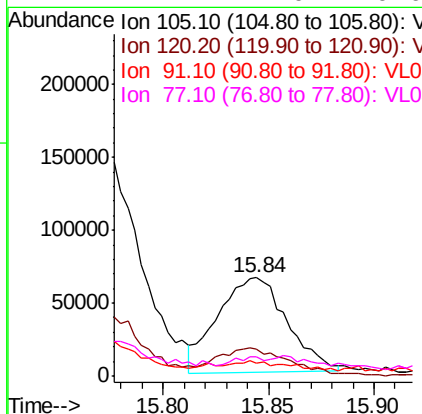
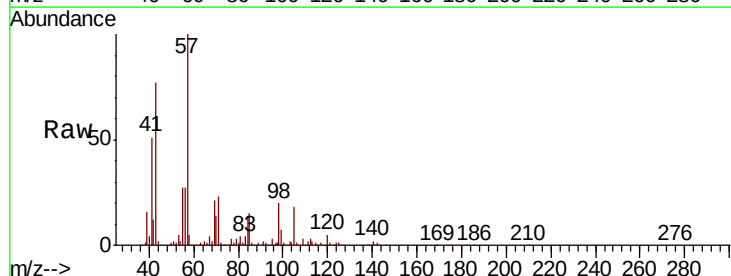
Instrument :
MSVOA_L
ClientSampleId :
SV1

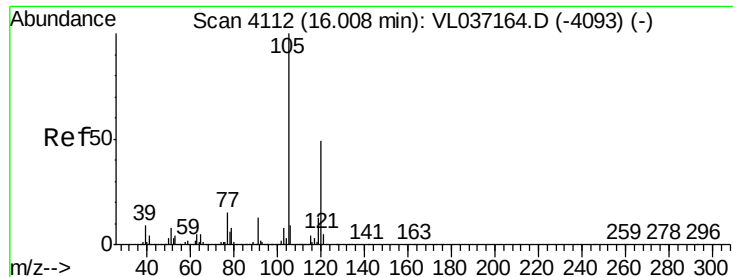
Tot Ion	Ratio	Lower	Upper
91	100		
92	48.9	44.0	66.0
134	32.2	20.2	30.4



#72
4-Ethyltoluene
Concen: 0.289 ppbv
RT: 15.84 min Scan# 4061
Delta R.T. -0.00 min
Lab File: VL037209.D
Acq: 17 Jun 2021 20:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	33.0	24.7	37.1
91	18.7	10.2	15.4
77	14.7	11.0	16.6





#73

1,3,5-Trimethylbenzene

Concen: 0.190 ppbv

RT: 16.00 min Scan# 4109

Delta R.T. -0.01 min

Lab File: VL037209.D

Acq: 17 Jun 2021 20:01

Instrument :

MSVOA_L

ClientSampleId :

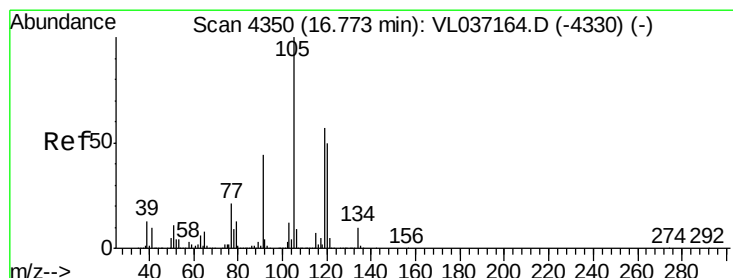
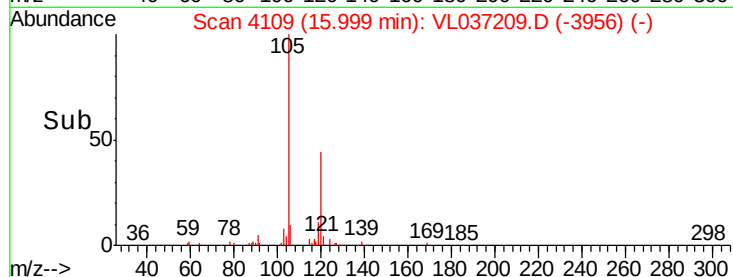
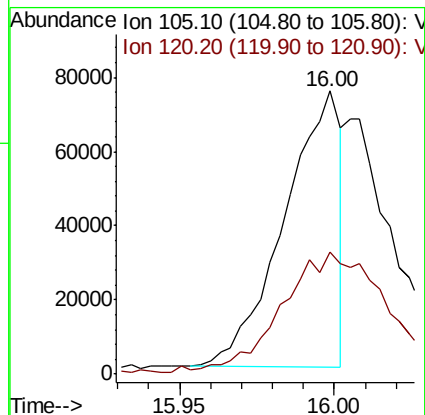
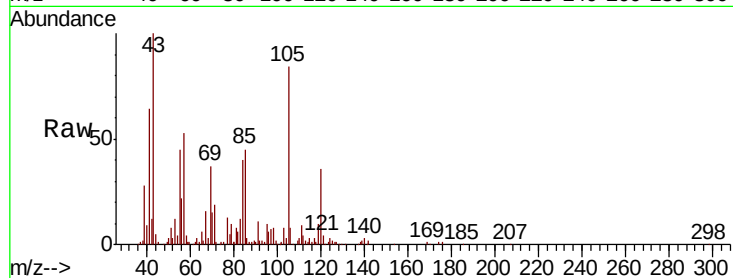
SV1

Tot Ion:105 Resp: 94241

Ion Ratio Lower Upper

105 100

120 43.1 39.4 59.2



#74

1,2,4-Trimethylbenzene

Concen: 1.199 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL037209.D

Acq: 17 Jun 2021 20:01

Tgt Ion:105 Resp: 612991

Ion Ratio Lower Upper

105 100

120 43.5 39.8 59.8

91 11.3 37.0 55.4#

77 14.0 17.0 25.4#

