

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037181.D
 Acq On : 16 Jun 2021 22:04
 Operator : SY/AP
 Sample : M2713-03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 17 01:50:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1487619	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4302262	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3900688	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3062935	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	24840	0.096 ppbv	98
3) Chlorodifluoromethane	2.96	51	119191	0.412 ppbv #	76
4) Chloromethane	3.14	50	10034	0.104 ppbv	99
5) Vinyl Chloride	3.25	62	2160	0.020 ppbv #	85
7) Chloroethane	3.56	64	4187	0.111 ppbv #	85
9) Propene	3.02	41	42810	0.463 ppbv #	82
10) Heptane	8.12	43	551896	2.464 ppbv	100
11) Trichlorofluoromethane	3.95	101	43397	0.157 ppbv	92
13) Ethanol	3.61	45	74836	5.231 ppbv	57
15) Acetone	3.85	43	1327216	7.912 ppbv	98
16) 1,3-Butadiene	3.30	39	34179	0.345 ppbv #	20
17) tert-Butyl alcohol	4.30	59	107589	0.694 ppbv	100
18) 1,1-Dichloroethene	4.29	96	314189	3.643 ppbv	99
19) Isopropyl Alcohol	3.98	45	124694	1.227 ppbv #	73
20) Methylene Chloride	4.34	84	766558	7.633 ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	32843	0.385 ppbv	96
23) Vinyl Acetate	5.06	43	14392	0.060 ppbv #	1
24) 1,1-Dichloroethane	5.01	63	1678369	8.666 ppbv	100
25) Ethyl Acetate	5.68	43	611912	1.685 ppbv #	90
26) Hexane	5.69	57	525454	2.863 ppbv #	63
27) Carbon Disulfide	4.55	76	34275	0.191 ppbv #	96
31) cis-1,2-Dichloroethene	5.55	61	6811	0.040 ppbv #	75
34) 2-Butanone	5.25	43	125156	0.748 ppbv #	49
36) Benzene	6.89	78	15802	0.045 ppbv #	86
39) 1,2-Dichloropropane	7.18	63	1034261	8.000 ppbv #	23
41) Tetrahydrofuran	6.05	42	6702	0.086 ppbv #	35
42) Bromodichloromethane	7.79	83	8798	0.032 ppbv #	25
44) 2,2,4-Trimethylpentane	7.87	57	27429	0.047 ppbv #	1
50) 4-Methyl-2-Pentanone	8.75	43	1597423	6.951 ppbv	99
51) 2-Hexanone	10.15	43	5197	0.046 ppbv #	1
53) Toluene	9.81	91	7261251	17.473 ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.30	131	136755	0.802 ppbv #	42
57) Chlorobenzene	12.14	112	7689	0.024 ppbv #	42
58) Ethyl Benzene	12.72	91	3455946	6.436 ppbv	95
59) m/p-Xylene	12.97	91	13066702	28.714 ppbv	94
60) o-Xylene	13.70	91	5939250	13.707 ppbv	99
61) Styrene	13.53	104	83074	0.371 ppbv	95
62) Isopropylbenzene	14.67	105	103907	0.169 ppbv	98
64) n-propylbenzene	15.56	120	10373	0.067 ppbv #	1
66) Benzyl Chloride	17.00	91	592	0.026 ppbv #	1
69) p-Isopropyltoluene	17.65	119	87262	0.142 ppbv	100

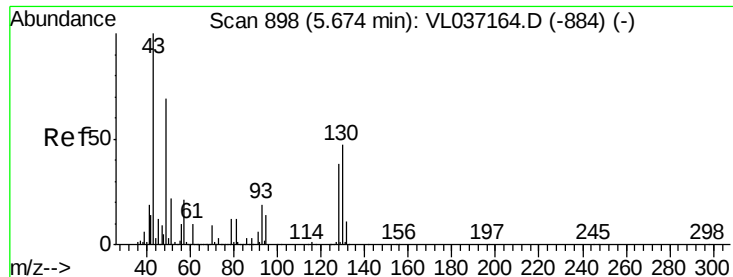
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037181.D
 Acq On : 16 Jun 2021 22:04
 Operator : SY/AP
 Sample : M2713-03
 Misc : 400mL/MSVOA L
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Quant Time: Jun 17 01:50:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 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)
70) n-Butylbenzene	18.55	91	12963	0.023	ppbv #	32
71) 2-Chlorotoluene	15.32	91	184128	0.427	ppbv #	41
72) 4-Ethyltoluene	15.84	105	108517	0.220	ppbv #	82
73) 1,3,5-Trimethylbenzene	16.00	105	203452	0.428	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	470524	0.960	ppbv #	69
76) 1,4-Dichlorobenzene	17.14	146	62197	0.209	ppbv #	79
77) 1,2-Dichlorobenzene	17.82	146	78158	0.271	ppbv	87
79) Naphthalene	22.20	128	44237	0.108	ppbv	98
80) Naphthalene,2-methyl-	24.98	142	5666	0.053	ppbv #	51
81) 1,2,4-Trichlorobenzene	21.93	180	81086	0.344	ppbv #	83

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

Instrument :

MSVOA_L

ClientSampleId :

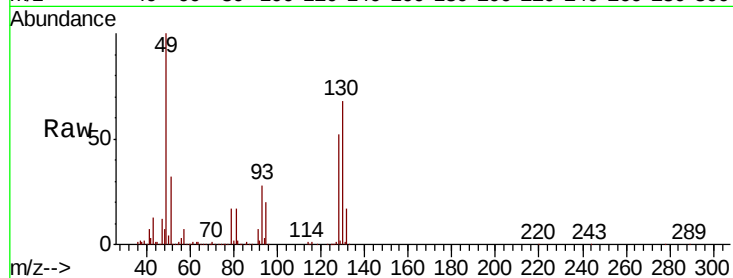
Tot Ion: 49 Resp: 1487619

Ion Ratio Lower Upper

49 100

128 55.5 29.3 88.0

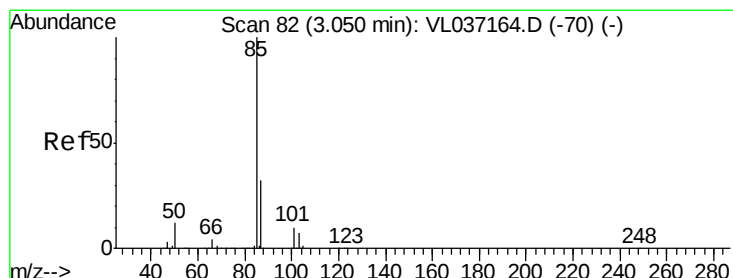
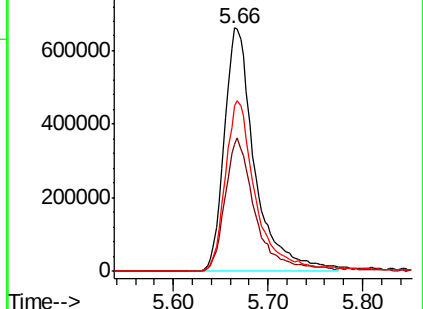
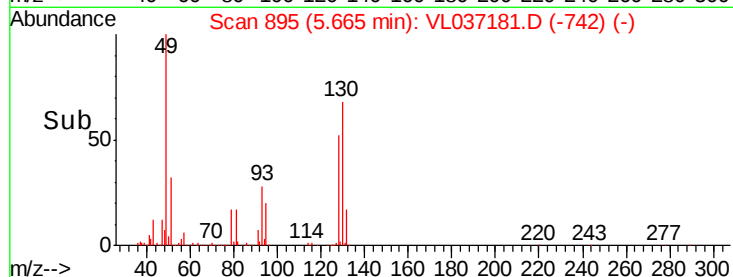
130 71.5 35.9 107.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.096 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL037181.D

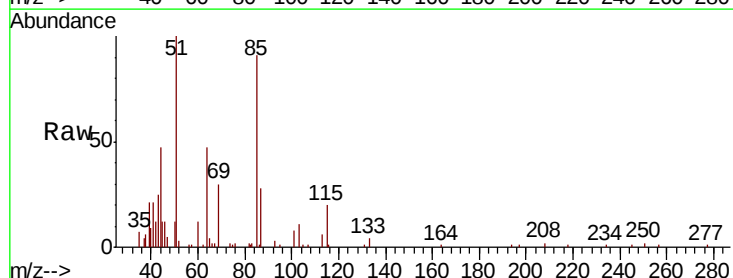
Acq: 16 Jun 2021 22:04

Tgt Ion: 85 Resp: 24840

Ion Ratio Lower Upper

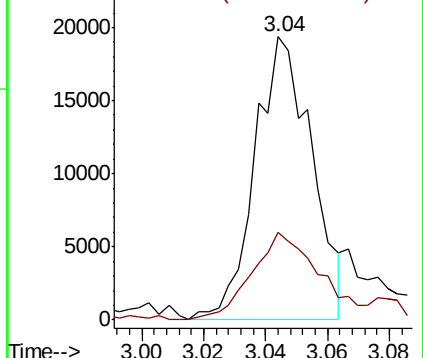
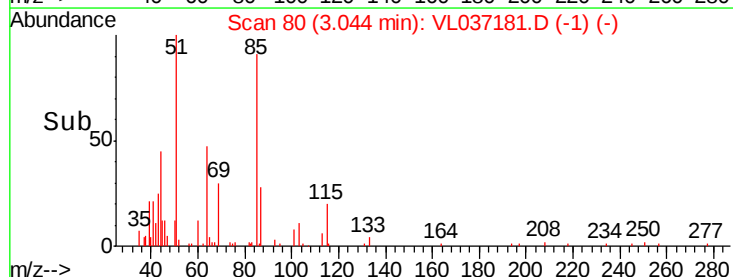
85 100

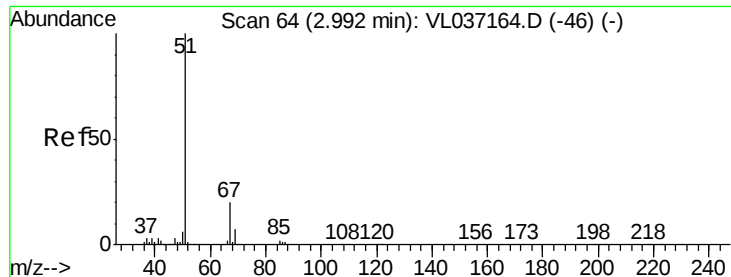
87 30.9 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.412 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.03 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

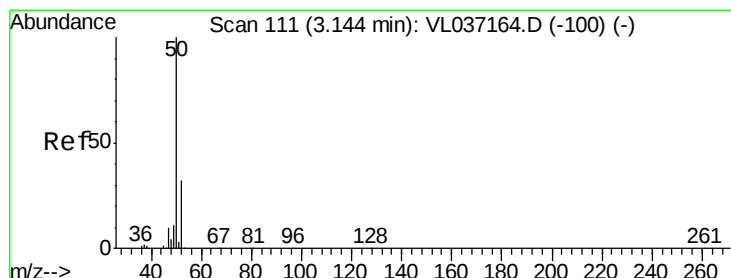
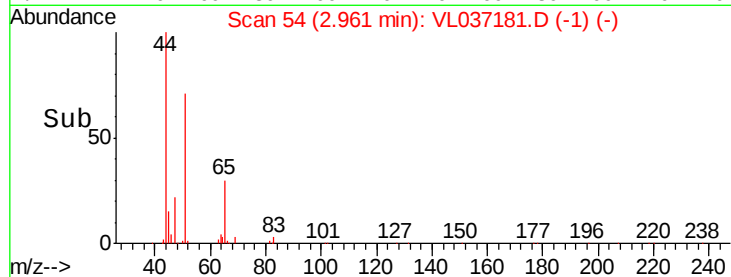
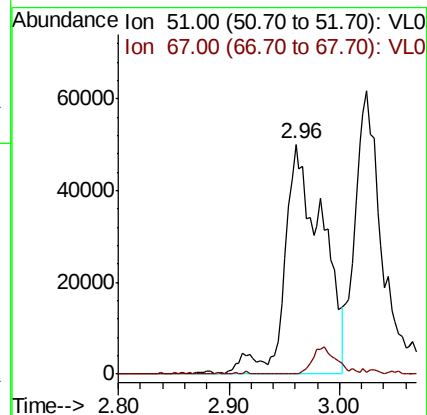
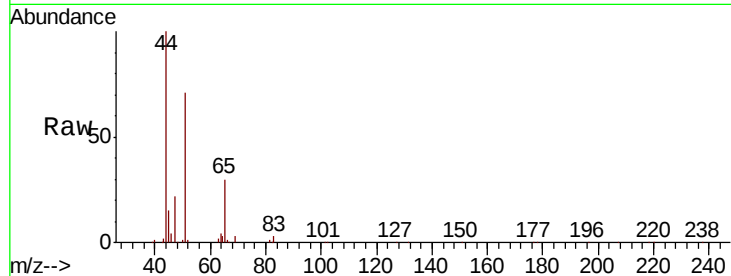
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 119191

Ion Ratio Lower Upper

51 100

67 8.7 15.8 23.6#



#4

Chloromethane

Concen: 0.104 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL037181.D

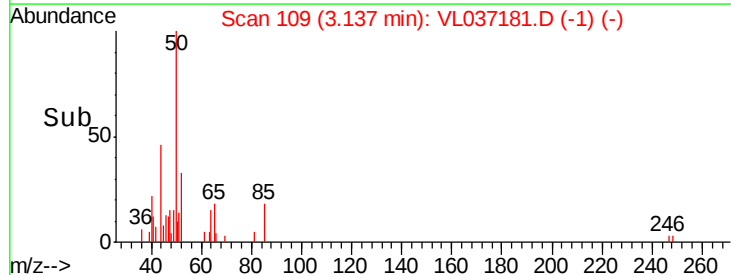
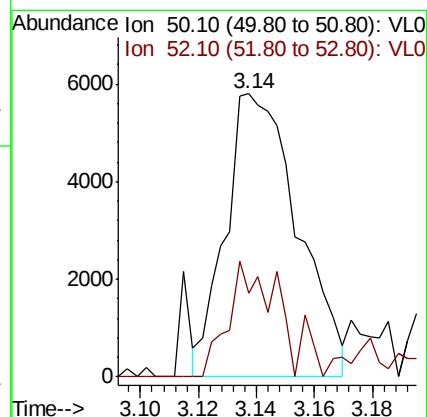
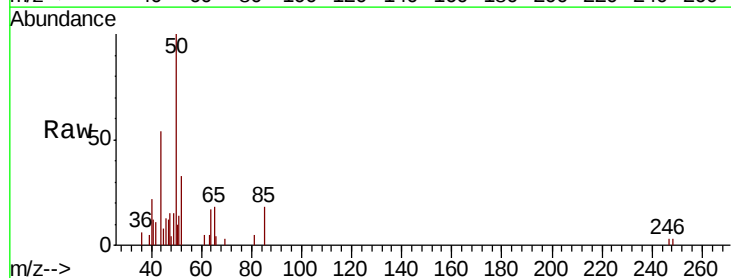
Acq: 16 Jun 2021 22:04

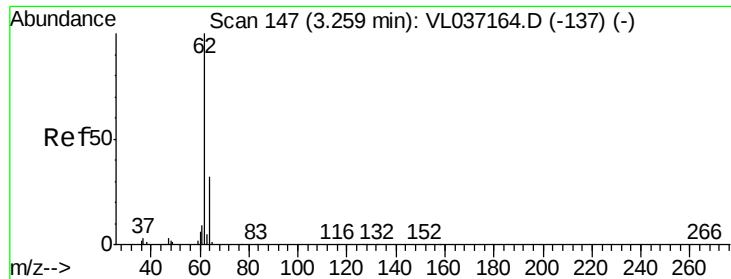
Tgt Ion: 50 Resp: 10034

Ion Ratio Lower Upper

50 100

52 33.1 25.8 38.8





#5

Vinyl Chloride

Concen: 0.020 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.01 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

Instrument :

MSVOA_L

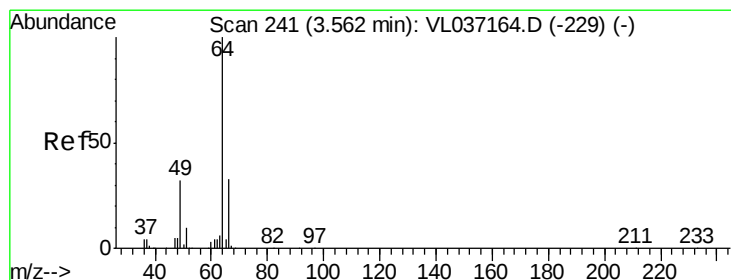
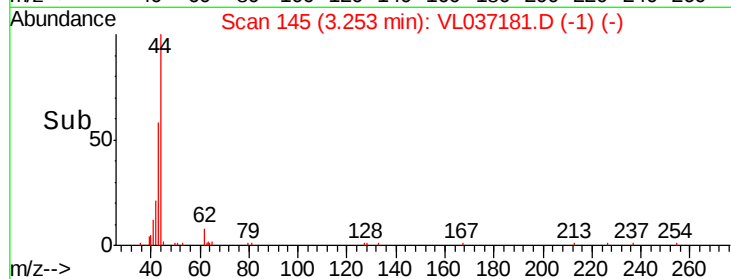
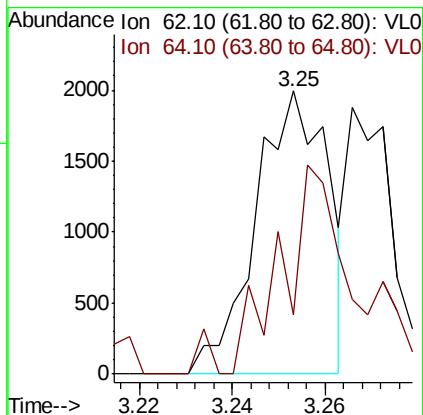
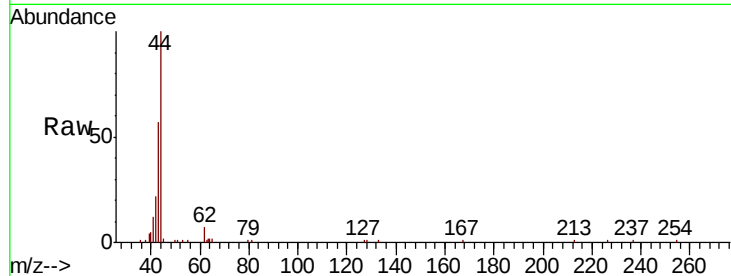
ClientSampled :

Tot Ion: 62 Resp: 2160

Ion Ratio Lower Upper

62 100

64 40.6 25.6 38.4#



#7

Chloroethane

Concen: 0.111 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.01 min

Lab File: VL037181.D

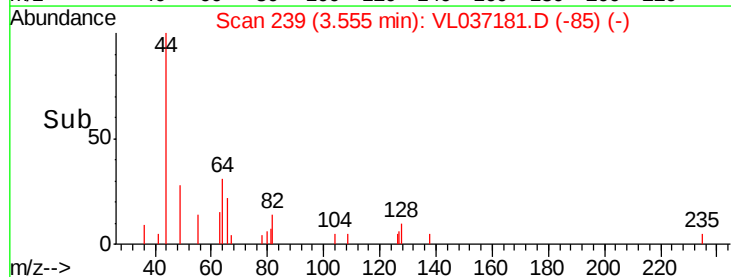
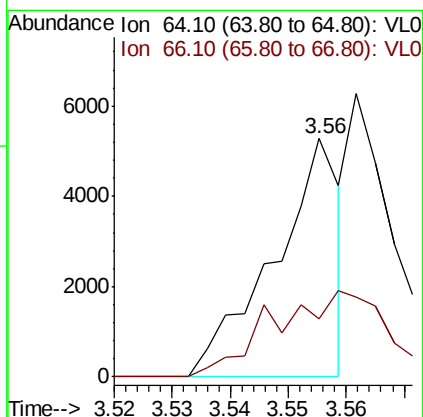
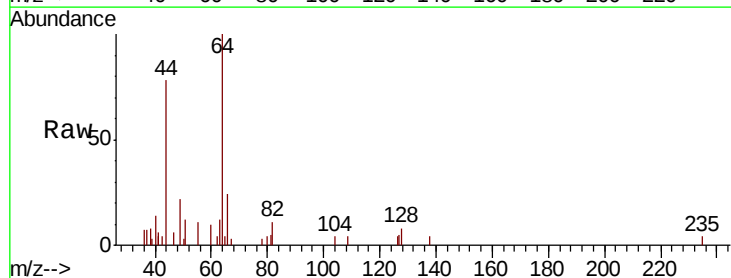
Acq: 16 Jun 2021 22:04

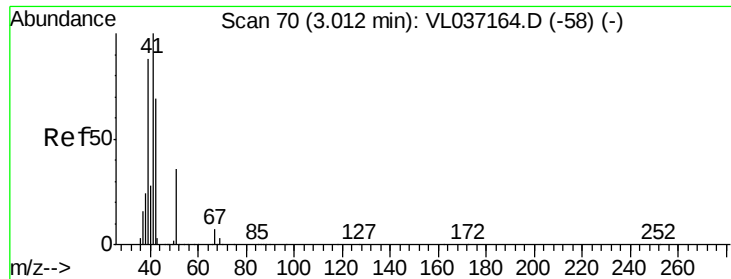
Tgt Ion: 64 Resp: 4187

Ion Ratio Lower Upper

64 100

66 24.5 26.2 39.4#





#9

Propene

Concen: 0.463 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

Instrument :

MSVOA_L

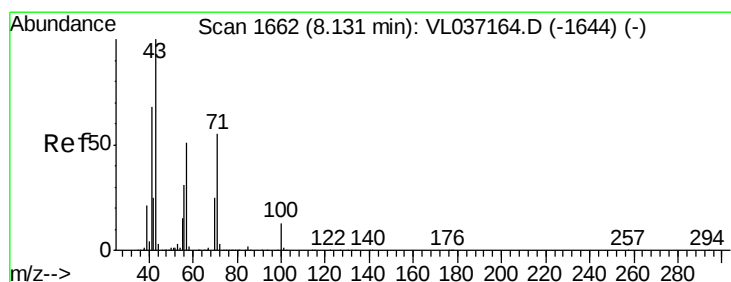
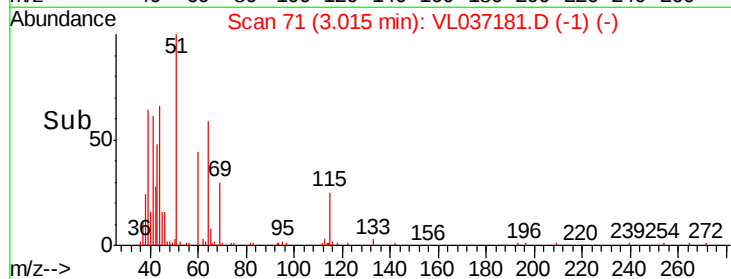
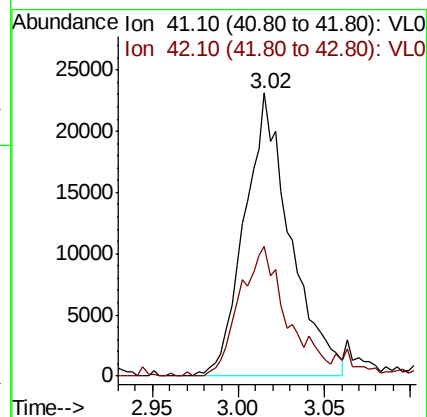
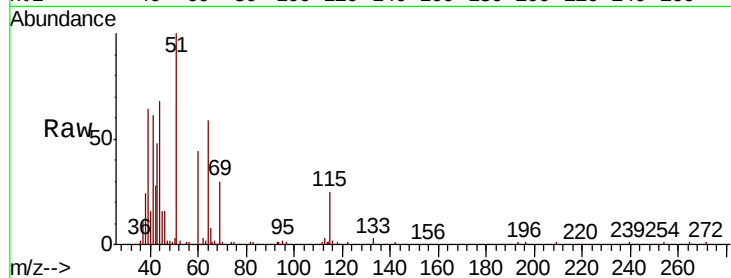
ClientSampled :

Tot Ion: 41 Resp: 42810

Ion Ratio Lower Upper

41 100

42 53.3 54.5 81.7#



#10

Heptane

Concen: 2.464 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VL037181.D

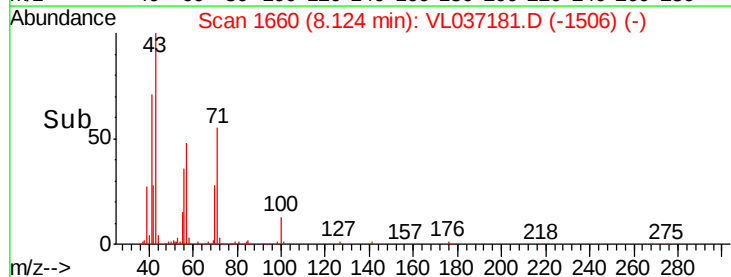
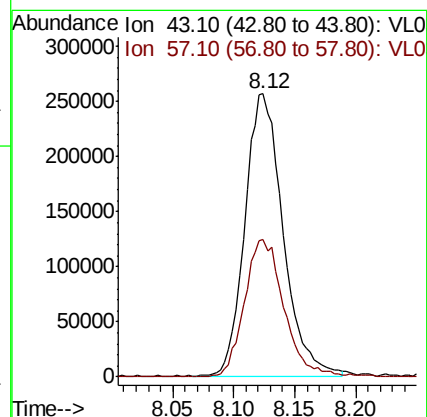
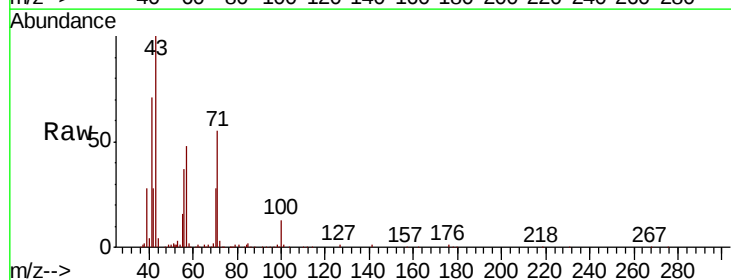
Acq: 16 Jun 2021 22:04

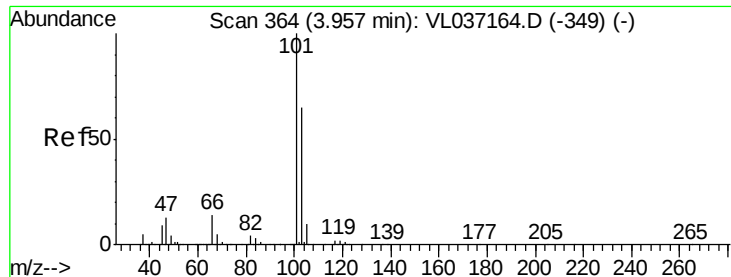
Tgt Ion: 43 Resp: 551896

Ion Ratio Lower Upper

43 100

57 51.0 40.6 61.0

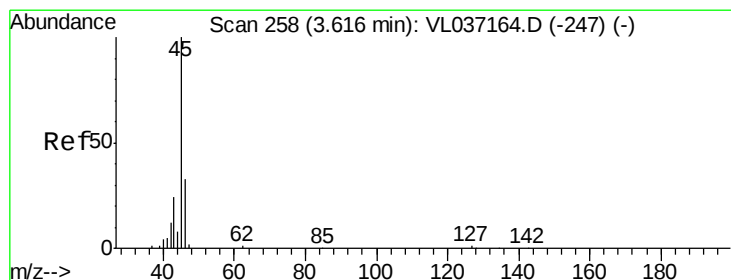
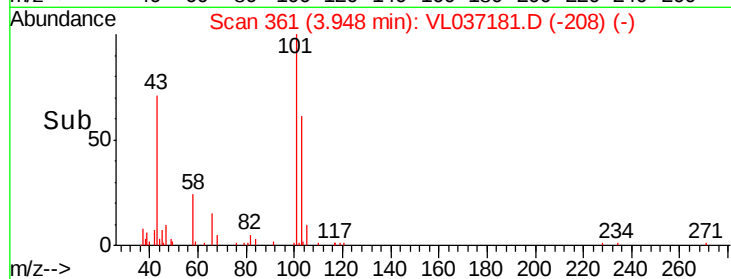
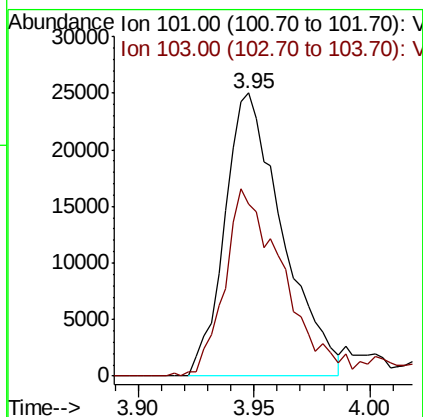
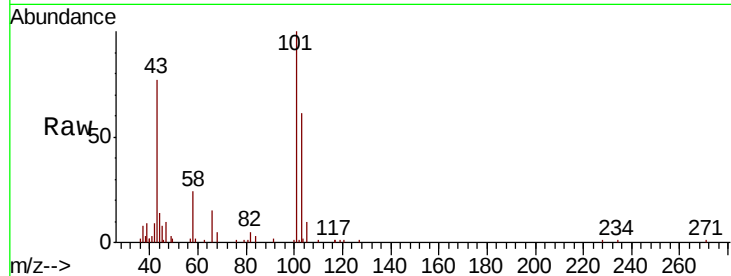




#11
 Trichlorofluoromethane
 Concen: 0.157 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VL037181.D
 Acq: 16 Jun 2021 22:04

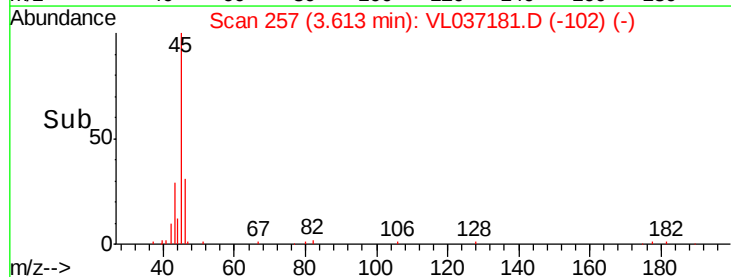
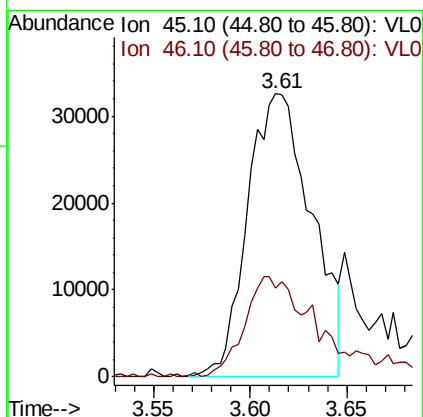
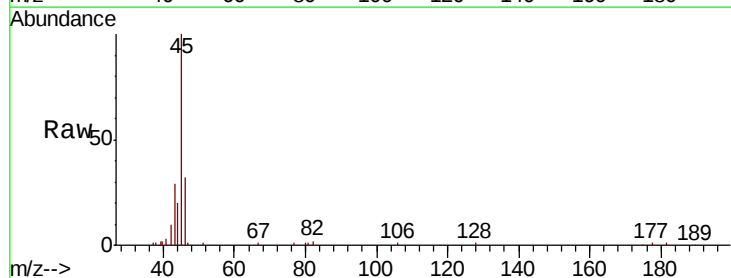
Instrument :
 MSVOA_L
 ClientSampleId :

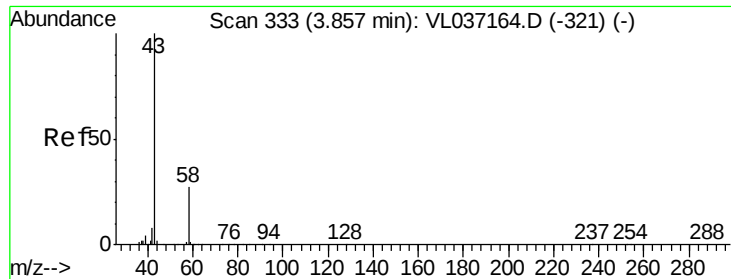
Tot Ion:101 Resp: 43397
 Ion Ratio Lower Upper
 101 100
 103 59.2 52.2 78.4



#13
 Ethanol
 Concen: 5.231 ppbv
 RT: 3.61 min Scan# 257
 Delta R.T. -0.00 min
 Lab File: VL037181.D
 Acq: 16 Jun 2021 22:04

Tgt Ion: 45 Resp: 74836
 Ion Ratio Lower Upper
 45 100
 46 45.9 34.2 137.0

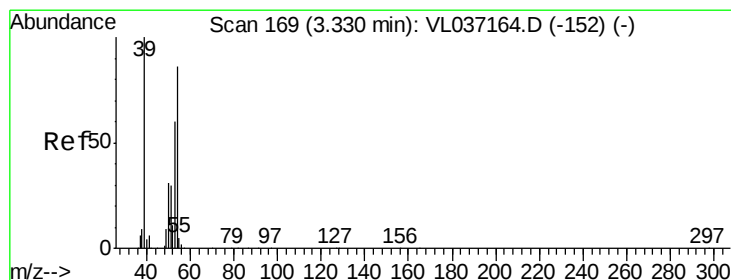
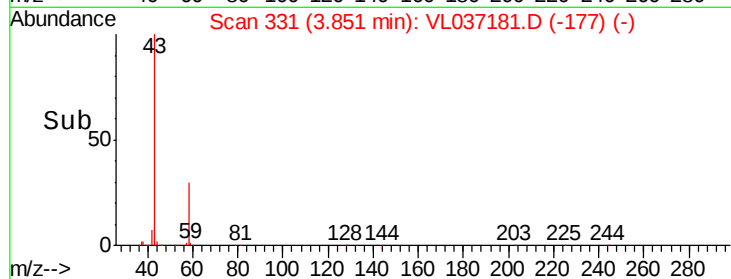
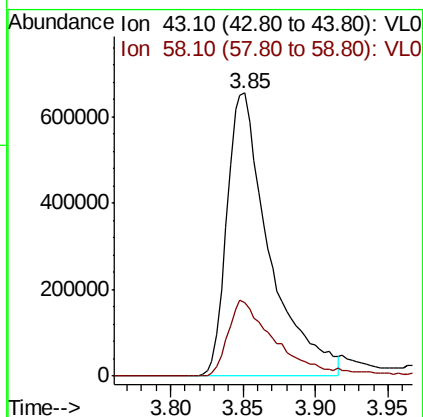
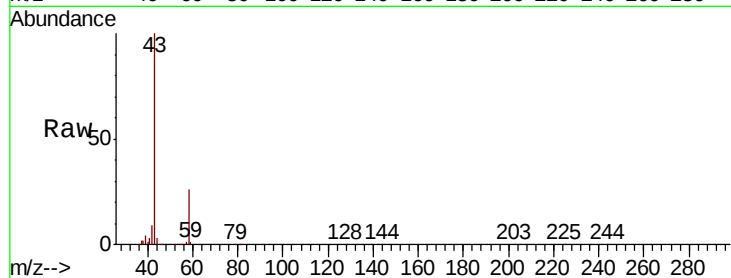




#15
Acetone
Concen: 7.912 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.01 min
Lab File: VL037181.D
Acq: 16 Jun 2021 22:04

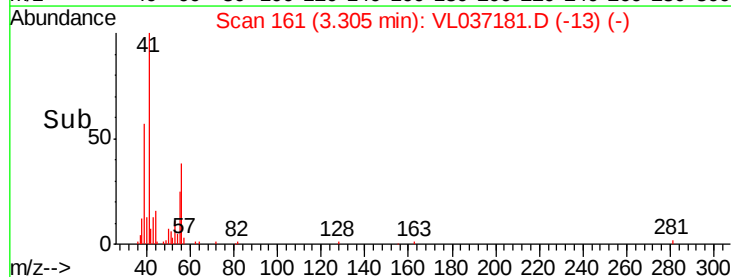
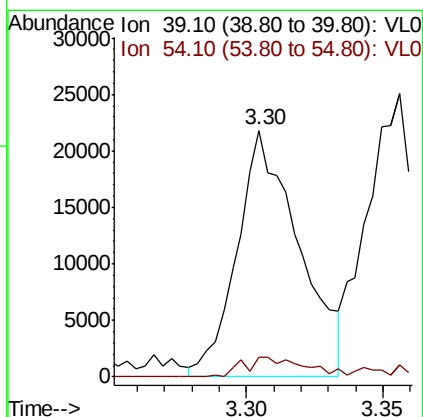
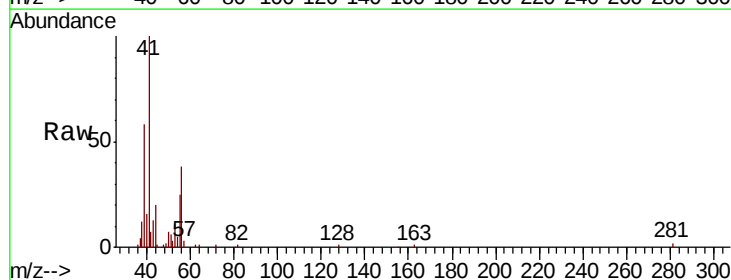
Instrument :
MSVOA_L
ClientSampleId :

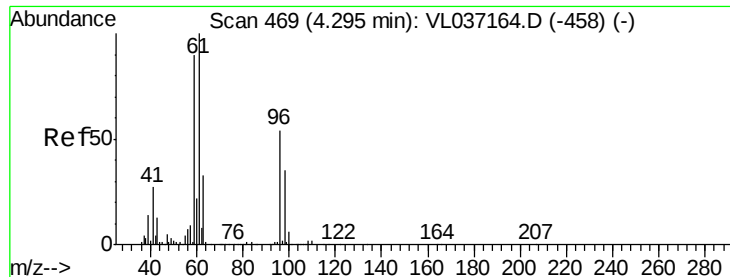
Tot Ion: 43 Resp: 1327216
Ion Ratio Lower Upper
43 100
58 30.8 23.7 35.5



#16
1,3-Butadiene
Concen: 0.345 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.03 min
Lab File: VL037181.D
Acq: 16 Jun 2021 22:04

Tgt Ion: 39 Resp: 34179
Ion Ratio Lower Upper
39 100
54 8.0 61.2 91.8#



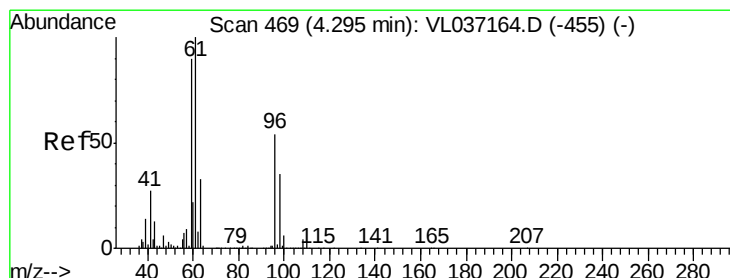
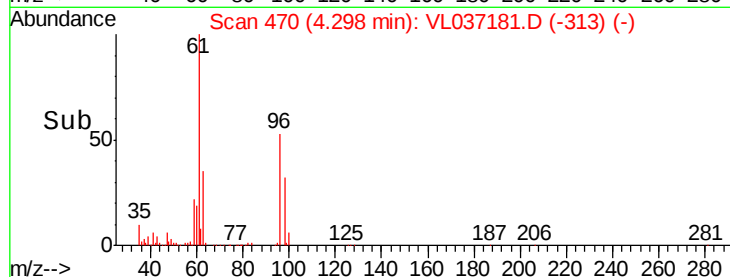
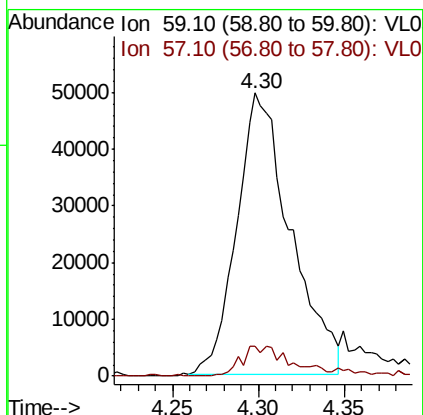
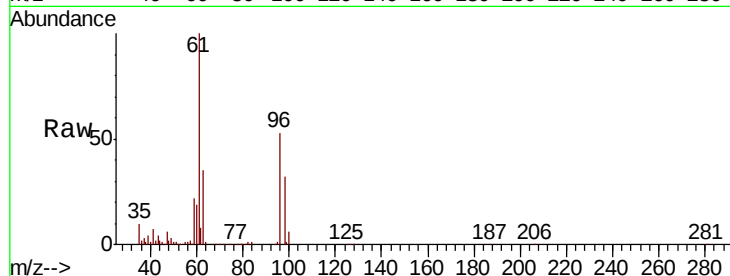


#17

tert-Butyl alcohol
 Concen: 0.694 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VL037181.D
 Acq: 16 Jun 2021 22:04

Instrument :
 MSVOA_L
 ClientSampled :

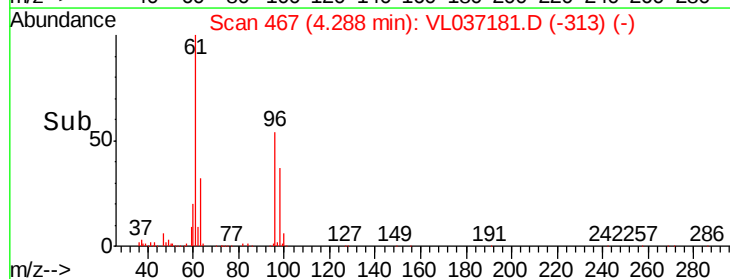
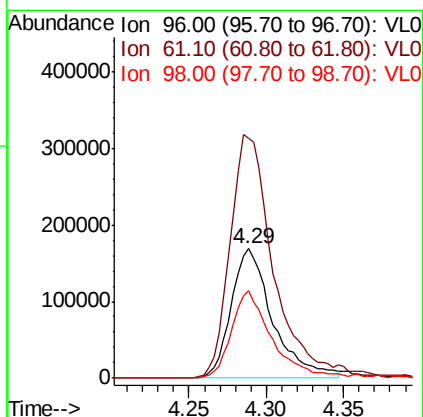
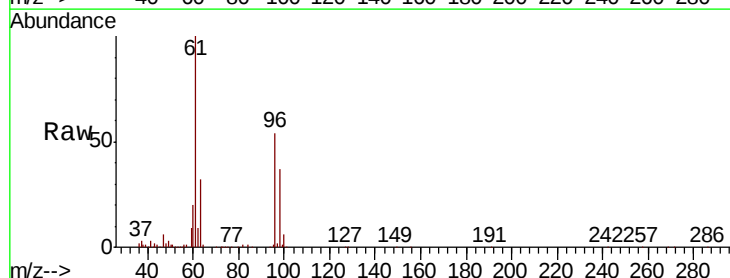
Tot Ion: 59 Resp: 107589
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.8 13.2

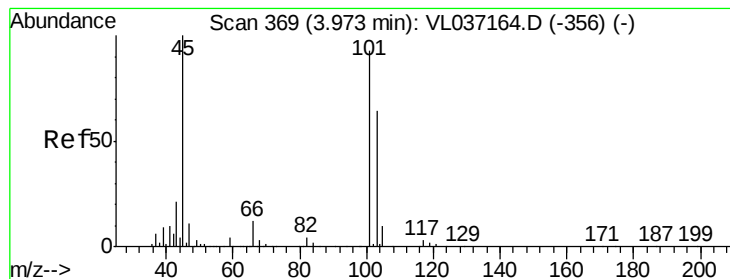


#18

1,1-Dichloroethene
 Concen: 3.643 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. -0.01 min
 Lab File: VL037181.D
 Acq: 16 Jun 2021 22:04

Tgt Ion: 96 Resp: 314189
 Ion Ratio Lower Upper
 96 100
 61 185.4 148.6 222.8
 98 68.2 51.9 77.9





#19

Isopropyl Alcohol

Concen: 1.227 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

Instrument :

MSVOA_L

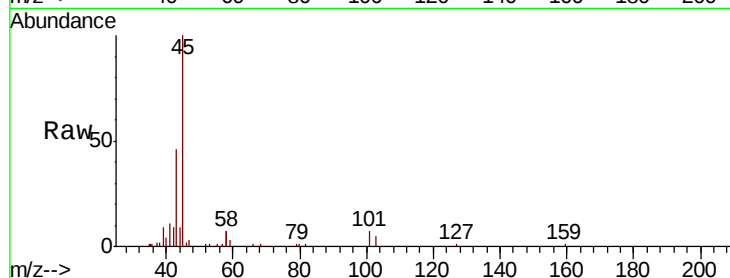
ClientSampleId :

Tot Ion: 45 Resp: 124694

Ion Ratio Lower Upper

45 100

58 11.9 2.4 3.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

60000

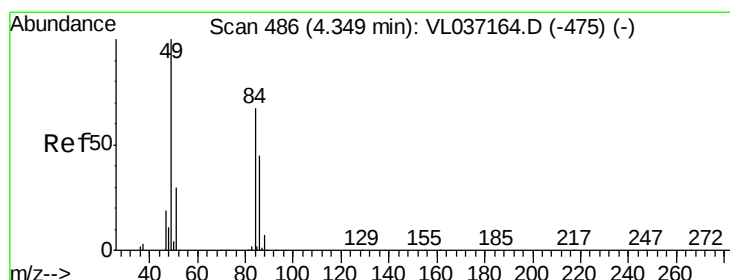
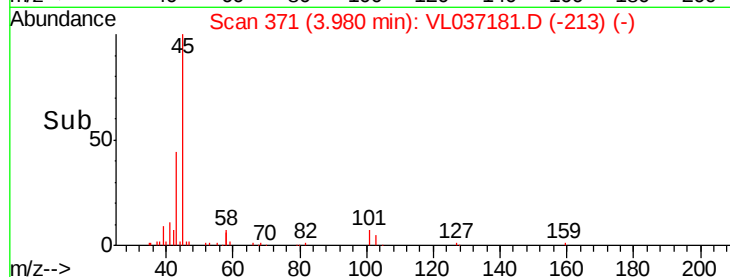
40000

20000

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 7.633 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

Tgt Ion: 84 Resp: 766558

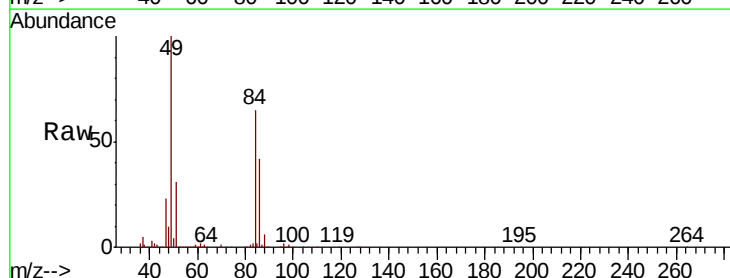
Ion Ratio Lower Upper

84 100

49 154.4 119.7 179.5

51 48.4 36.1 54.1

86 66.0 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

800000

600000

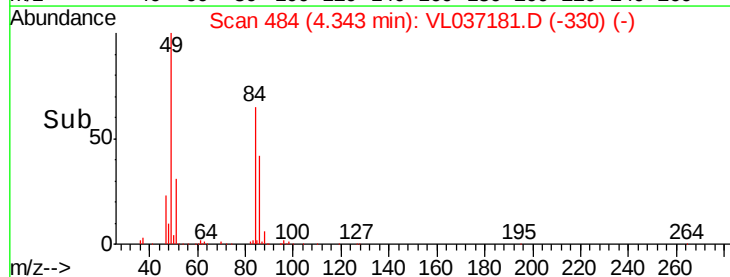
400000

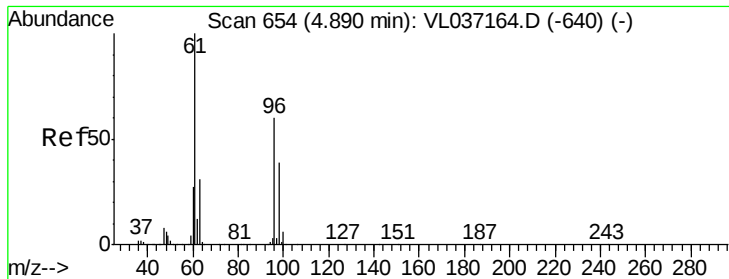
200000

0

4.30 4.35 4.40

Time-->





#22

trans-1,2-Dichloroethene

Concen: 0.385 ppbv

RT: 4.89 min Scan# 653

Delta R.T. -0.00 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

Instrument :

MSVOA_L

ClientSampleId :

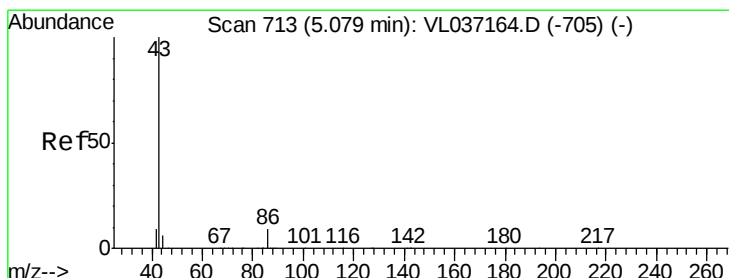
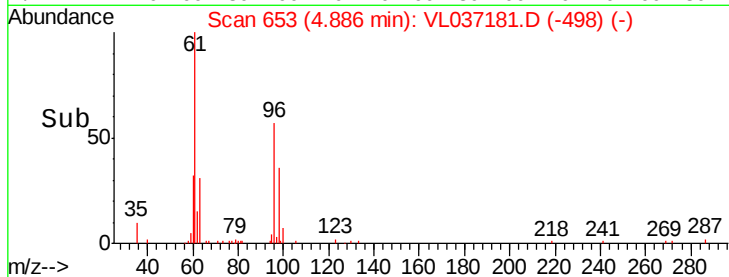
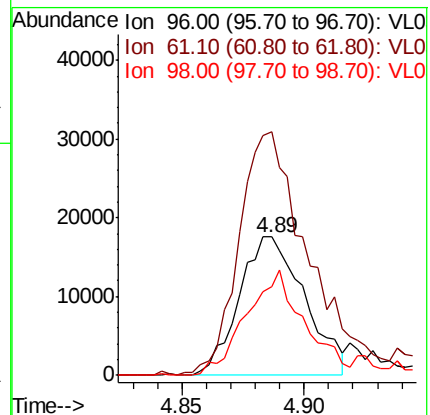
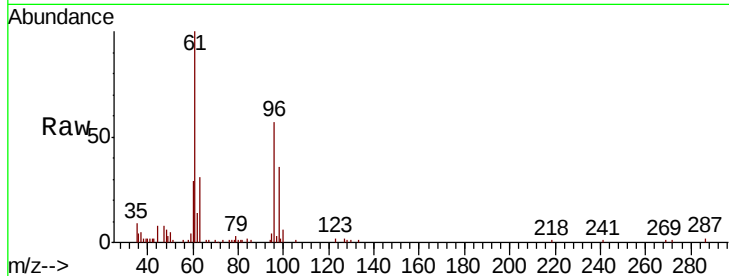
Tot Ion: 96 Resp: 32843

Ion Ratio Lower Upper

96 100

61 173.6 133.9 200.9

98 63.7 52.9 79.3



#23

Vinyl Acetate

Concen: 0.060 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.02 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

Tgt Ion: 43 Resp: 14392

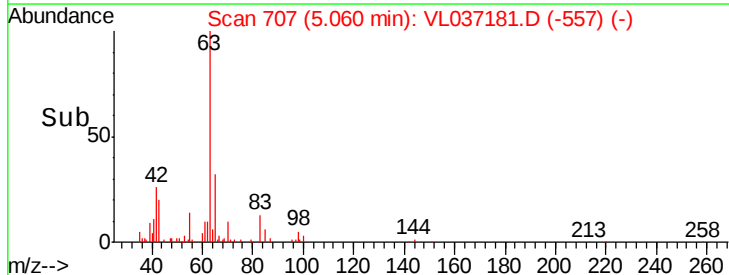
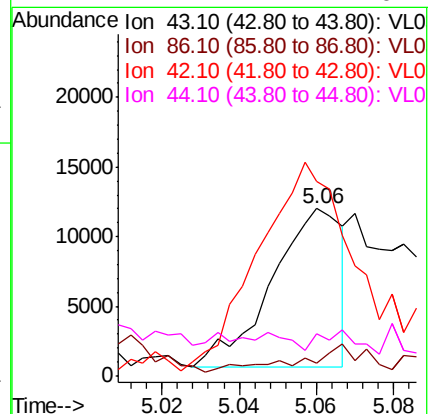
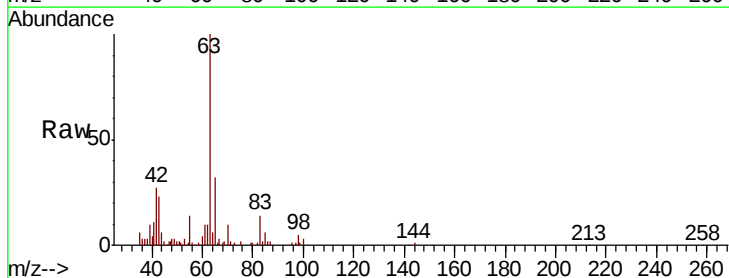
Ion Ratio Lower Upper

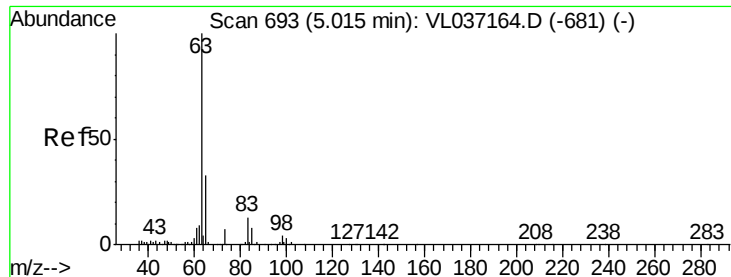
43 100

86 2.0 5.8 8.8#

42 113.5 8.2 12.2#

44 2.1 4.2 6.4#





#24

1,1-Dichloroethane

Concen: 8.666 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.01 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

Instrument :

MSVOA_L

ClientSampleId :

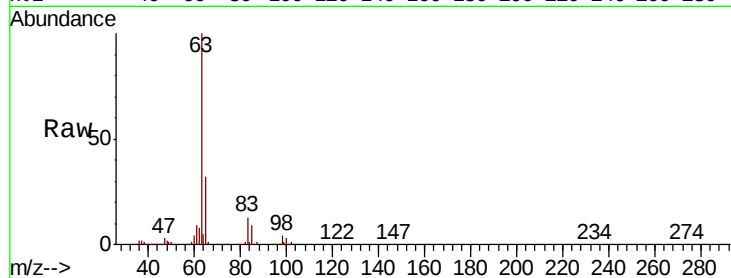
Tot Ion: 63 Resp: 1678369

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.5

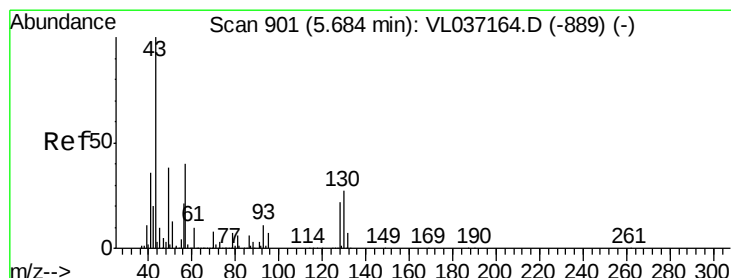
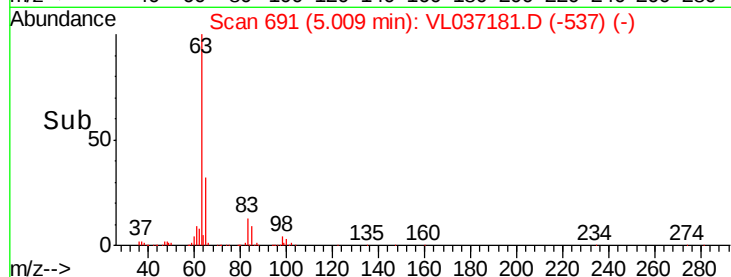
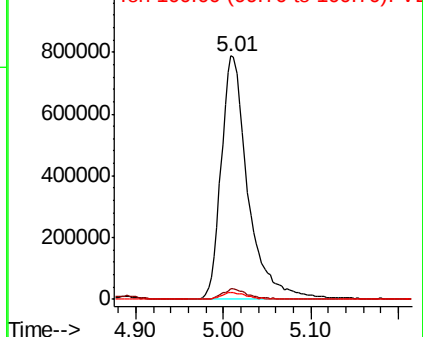
100 2.7 1.4 4.0



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#25

Ethyl Acetate

Concen: 1.685 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

Tgt Ion: 43 Resp: 611912

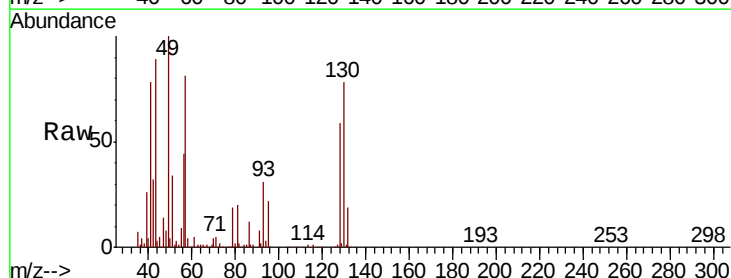
Ion Ratio Lower Upper

43 100

45 6.1 8.0 12.0#

61 5.6 8.1 12.1#

70 4.8 5.5 8.3#

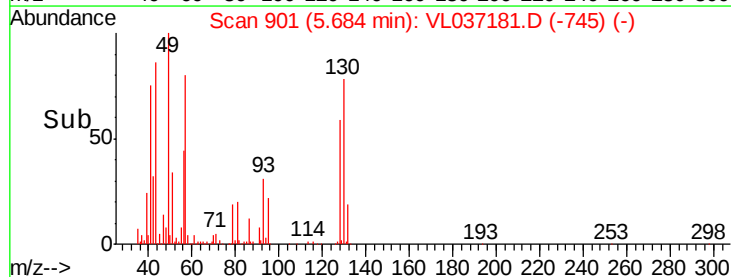
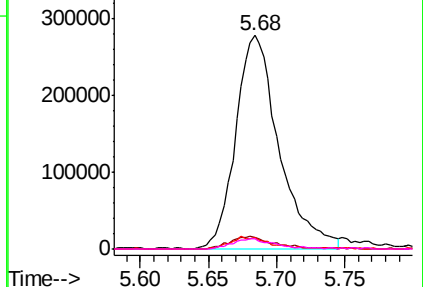


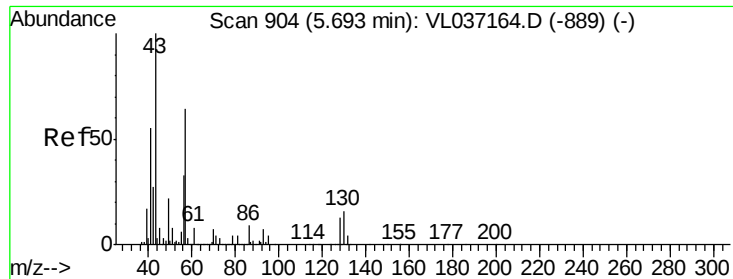
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

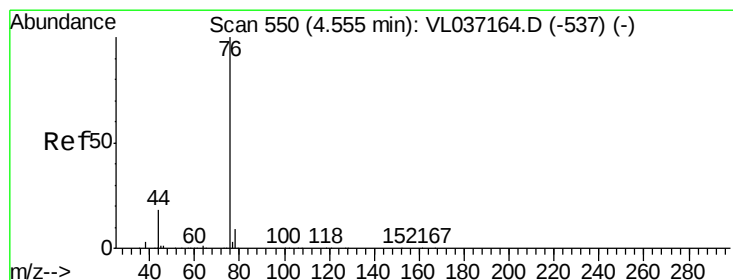
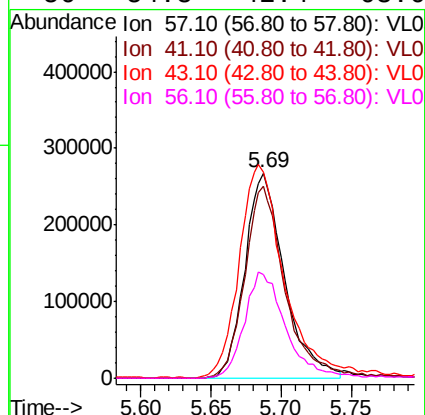
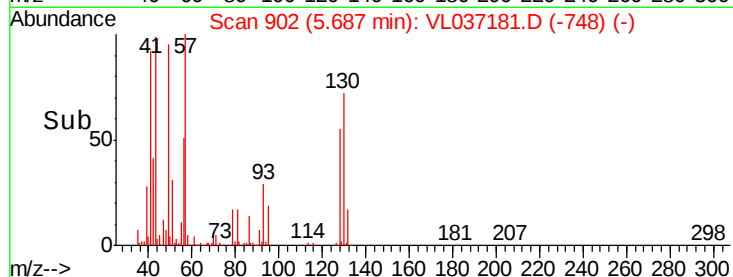
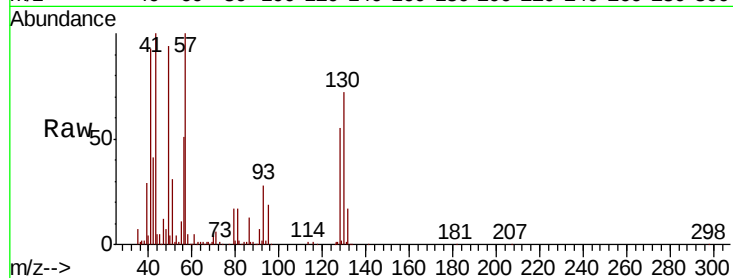




#26
Hexane
Concen: 2.863 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL037181.D
Acq: 16 Jun 2021 22:04

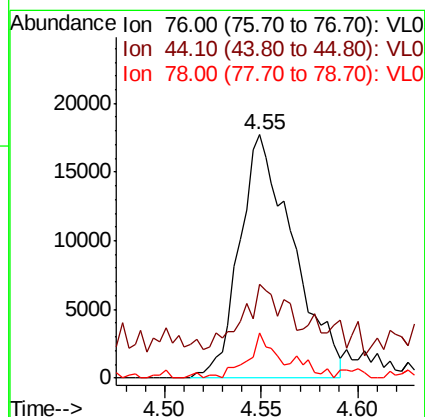
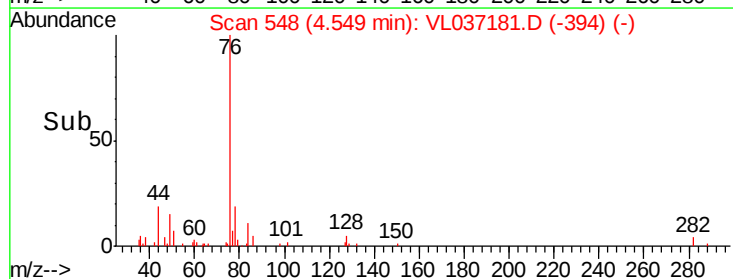
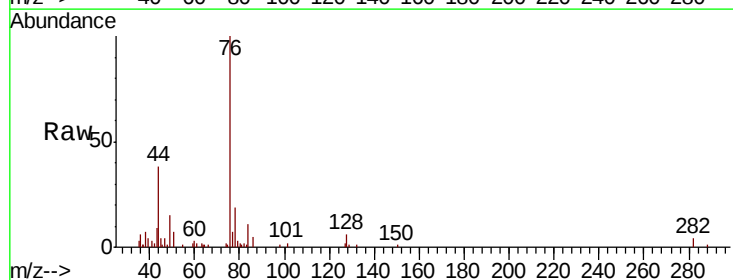
Instrument :
MSVOA_L
ClientSampleId :

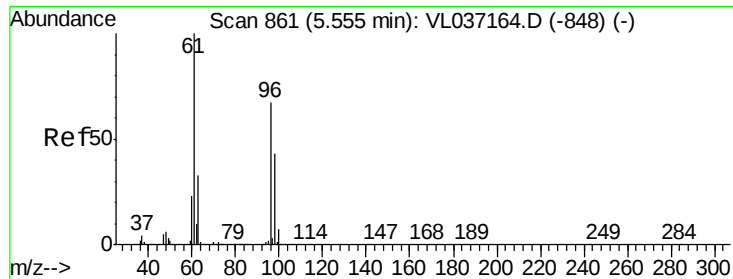
Tot Ion: 57 Resp: 525454
Ion Ratio Lower Upper
57 100
41 97.5 73.5 110.3
43 120.6 170.7 256.1#
56 54.8 42.4 63.6



#27
Carbon Disulfide
Concen: 0.191 ppbv
RT: 4.55 min Scan# 548
Delta R.T. -0.01 min
Lab File: VL037181.D
Acq: 16 Jun 2021 22:04

Tgt Ion: 76 Resp: 34275
Ion Ratio Lower Upper
76 100
44 20.7 15.4 23.2
78 12.4 8.0 12.0#



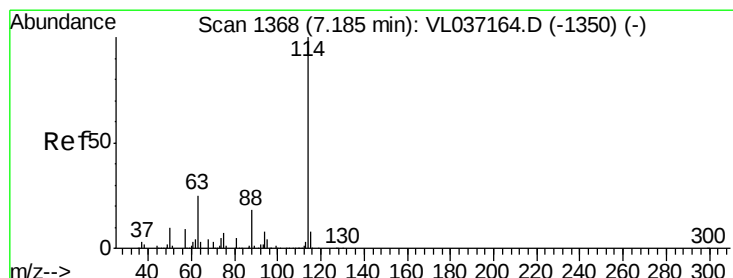
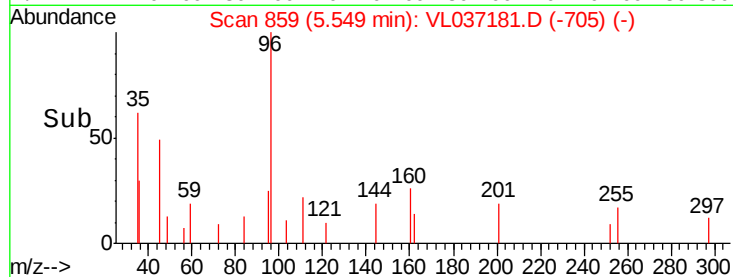
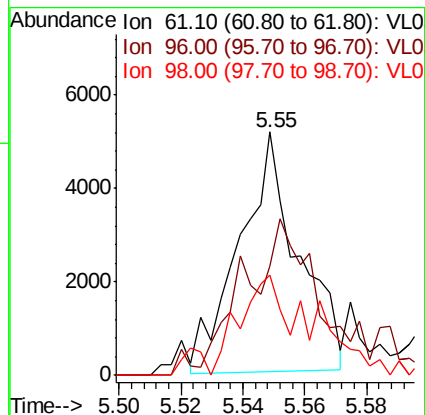
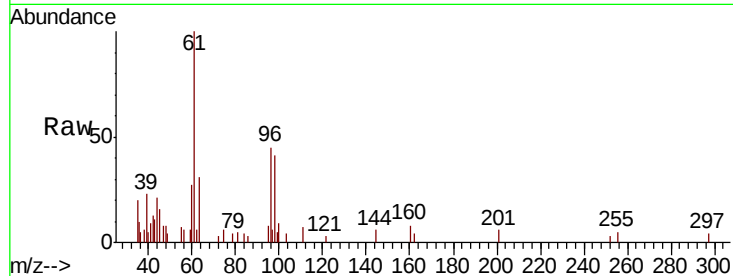


#31

cis-1,2-Dichloroethene
 Concen: 0.040 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. -0.01 min
 Lab File: VL037181.D
 Acq: 16 Jun 2021 22:04

Instrument :
 MSVOA_L
 ClientSampleId :

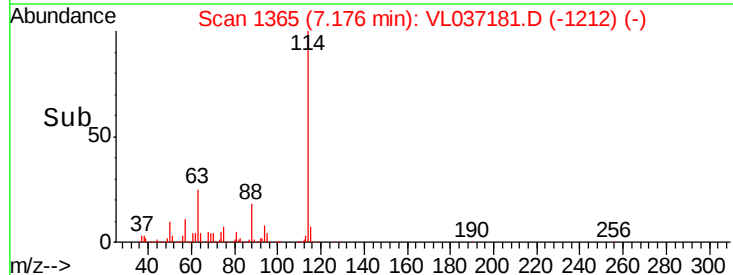
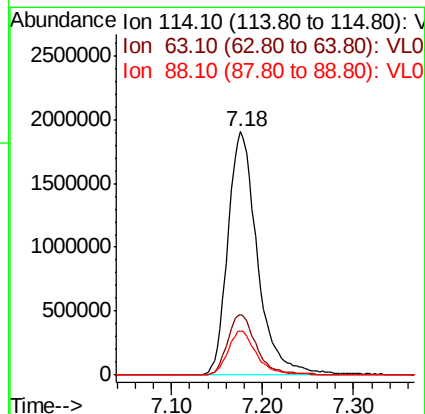
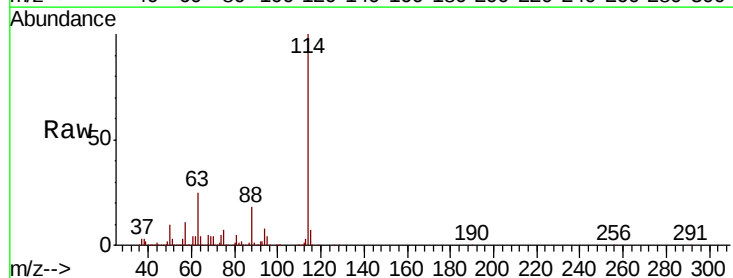
Tot Ion	Ratio	Lower	Upper
61	100		
96	43.3	53.6	80.4#
98	31.3	34.7	52.1#

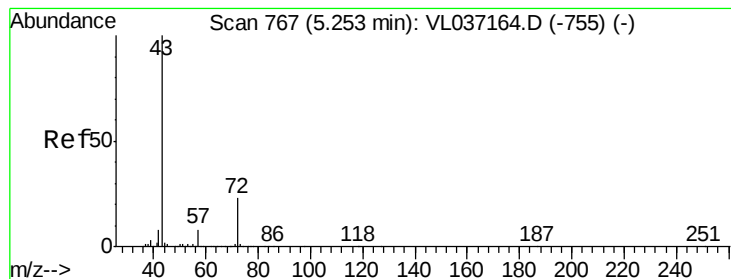


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL037181.D
 Acq: 16 Jun 2021 22:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.6	29.4
88	17.8	14.2	21.2





#34

2-Butanone

Concen: 0.748 ppbv

RT: 5.25 min Scan# 766

Delta R.T. -0.00 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

Instrument :

MSVOA_L

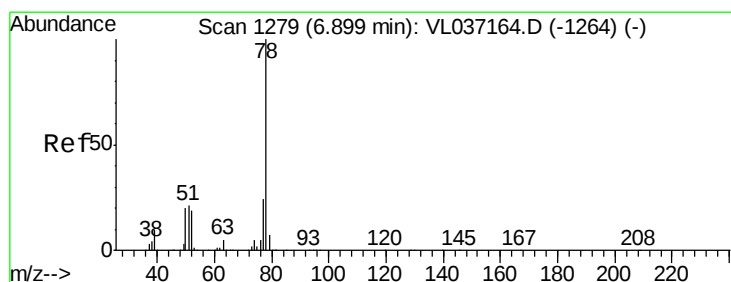
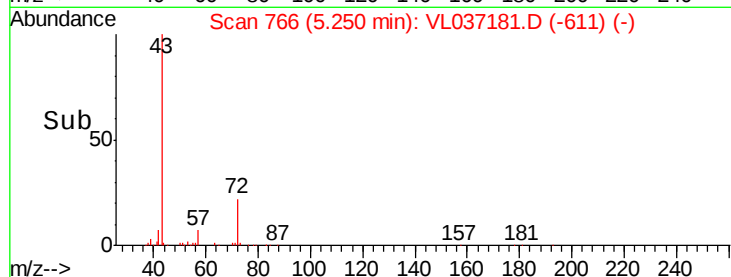
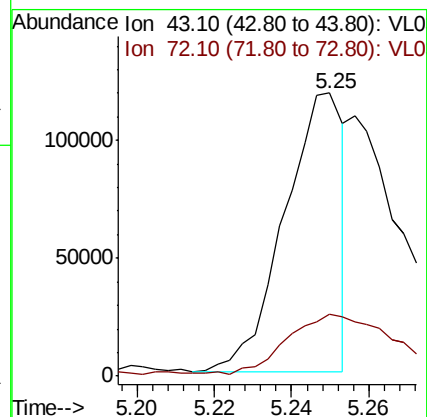
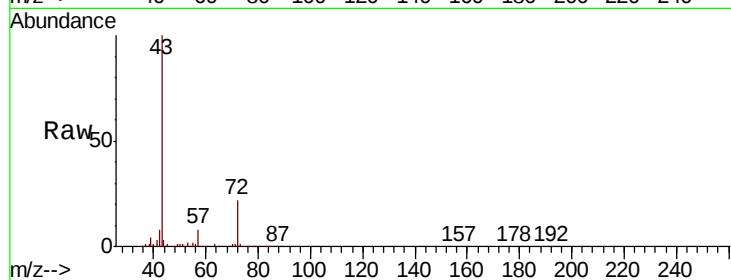
ClientSampleId :

Tot Ion: 43 Resp: 125156

Ion Ratio Lower Upper

43 100

72 48.4 18.9 28.3#



#36

Benzene

Concen: 0.045 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

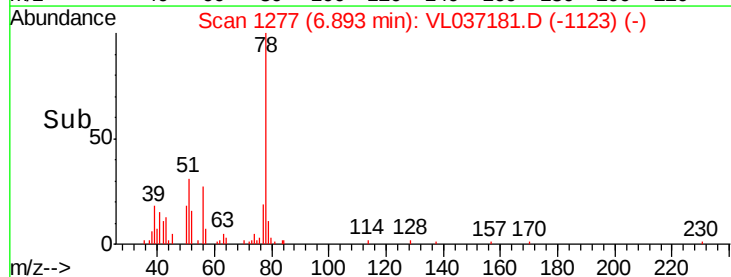
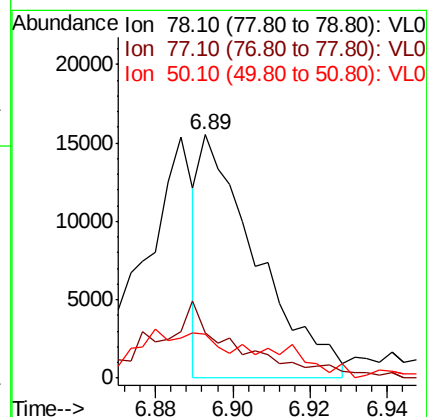
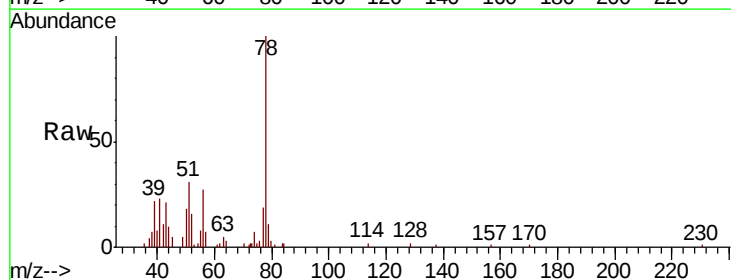
Tgt Ion: 78 Resp: 15802

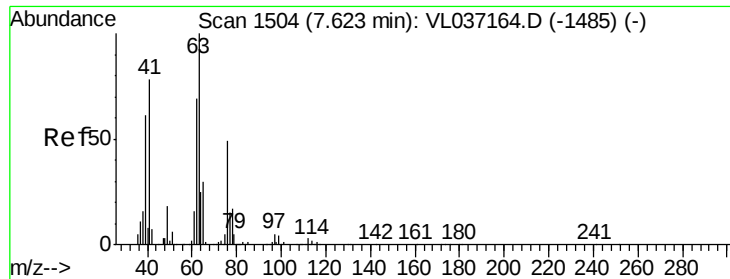
Ion Ratio Lower Upper

78 100

77 16.9 19.0 28.6#

50 13.4 15.7 23.5#





#39

1,2-Dichloropropane

Concen: 8.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.45 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

Instrument :

MSVOA_L

ClientSampleId :

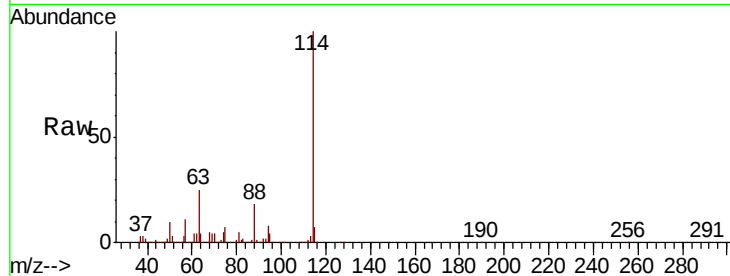
Tot Ion: 63 Resp: 1034261

Ion Ratio Lower Upper

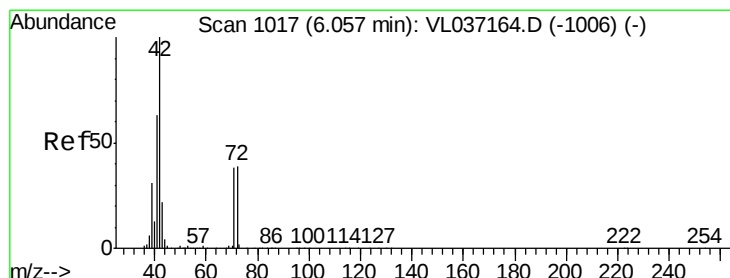
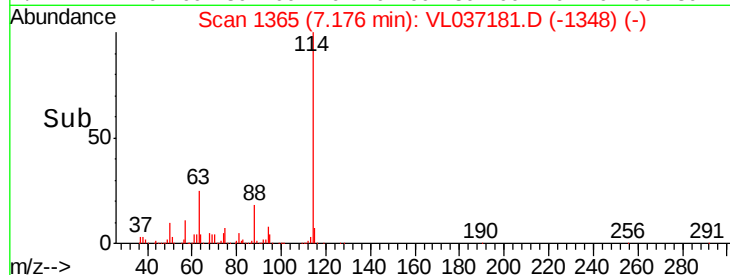
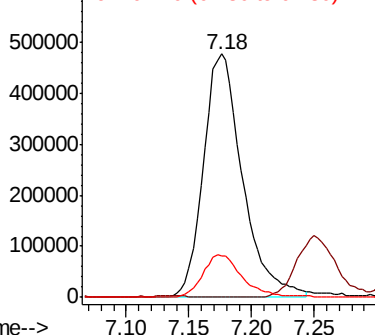
63 100

41 0.0 62.0 93.0#

62 17.2 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: 0.086 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

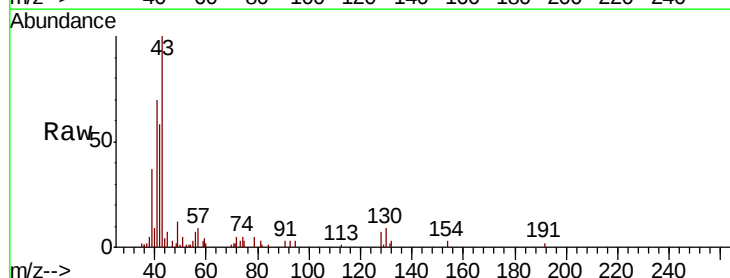
Tgt Ion: 42 Resp: 6702

Ion Ratio Lower Upper

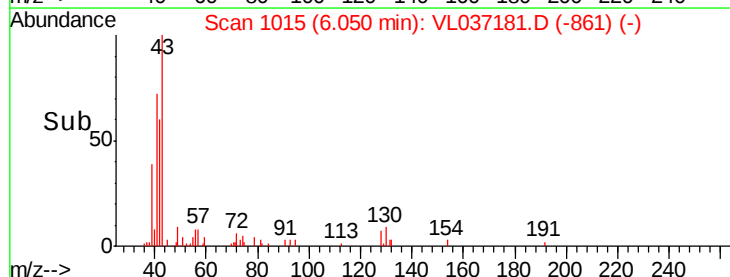
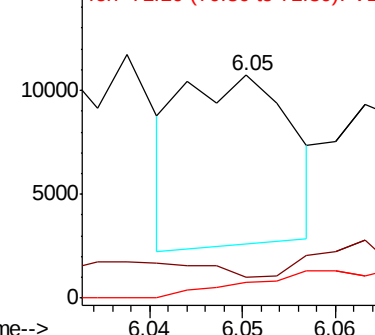
42 100

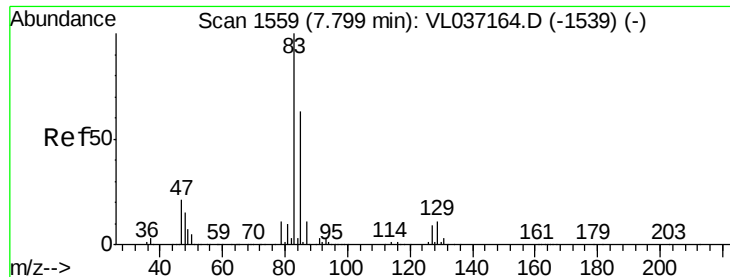
72 0.0 33.0 49.4#

71 0.0 31.0 46.6#



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 0.032 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

Instrument :
MSVOA_L
ClientSampled :

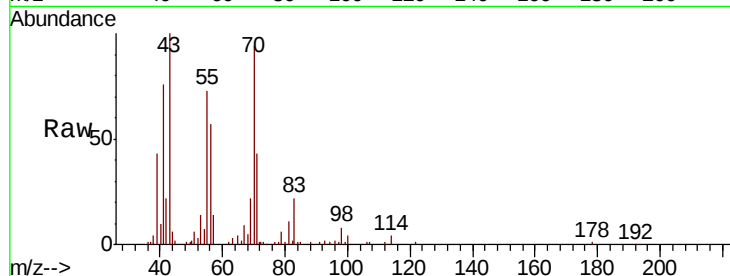
Tot Ion: 83 Resp: 8798

Ion Ratio Lower Upper

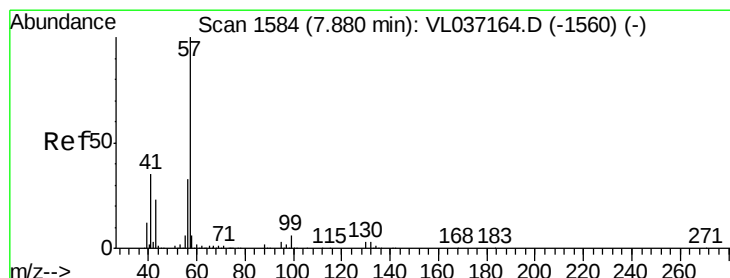
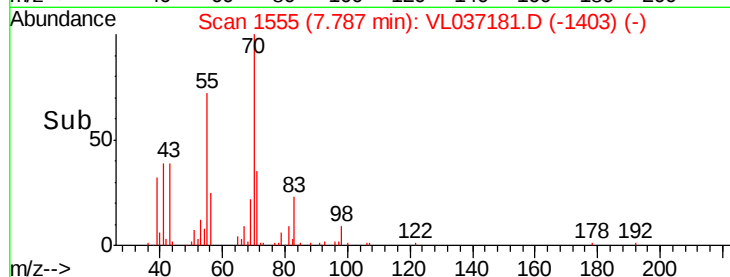
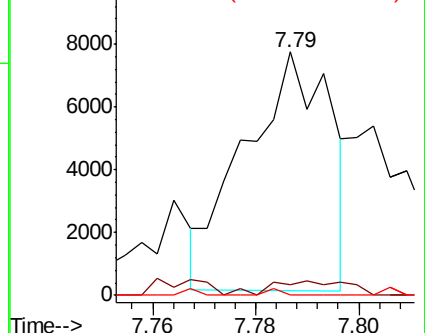
83 100

85 0.0 50.8 76.2#

127 0.0 7.0 10.6#



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V



#44

2,2,4-Trimethylpentane

Concen: 0.047 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. -0.01 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

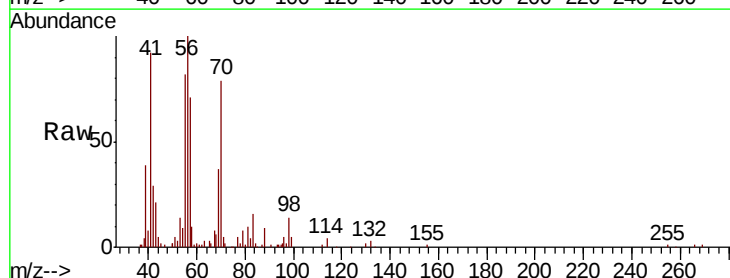
Tgt Ion: 57 Resp: 27429

Ion Ratio Lower Upper

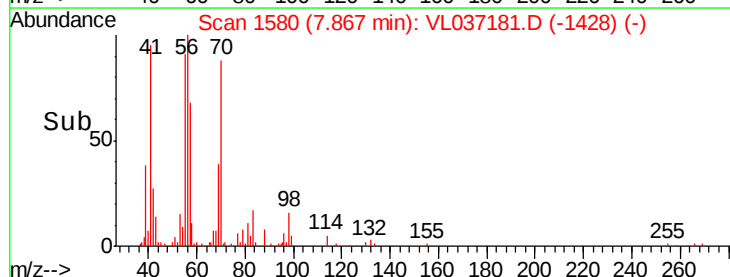
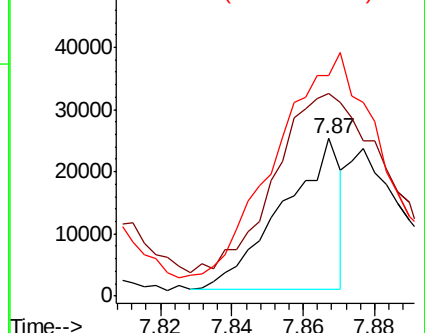
57 100

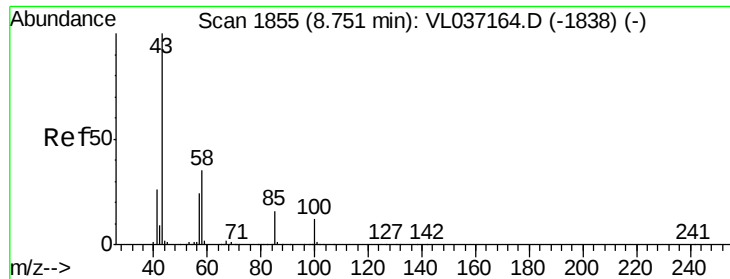
41 269.8 27.6 41.4#

56 332.5 25.3 37.9#



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

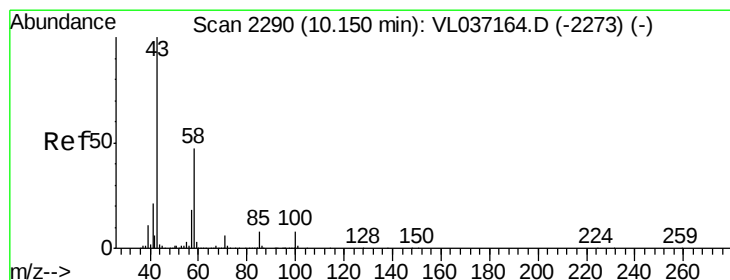
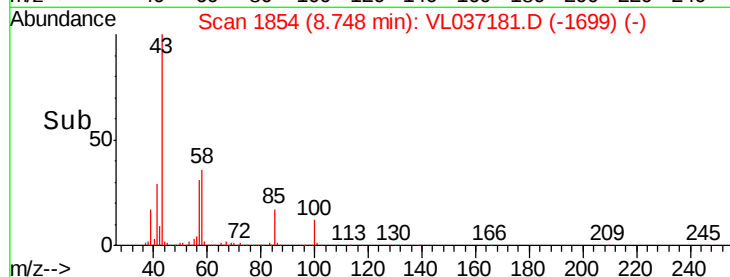
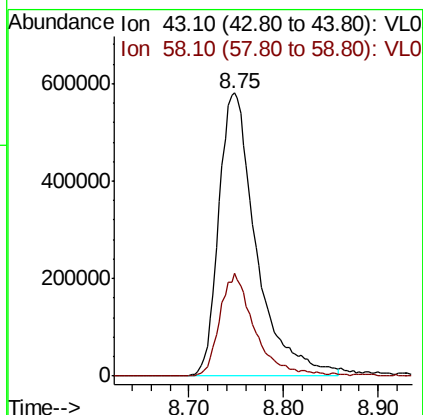
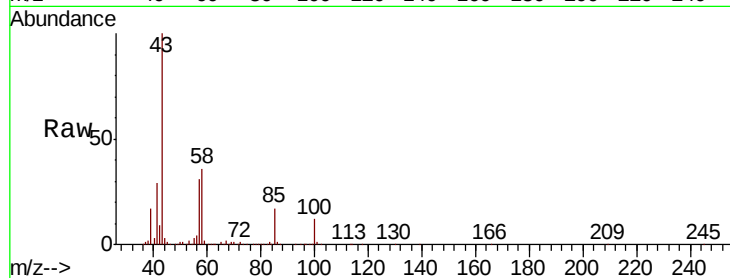




#50
4-Methyl-2-Pentanone
Concen: 6.951 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VL037181.D
Acq: 16 Jun 2021 22:04

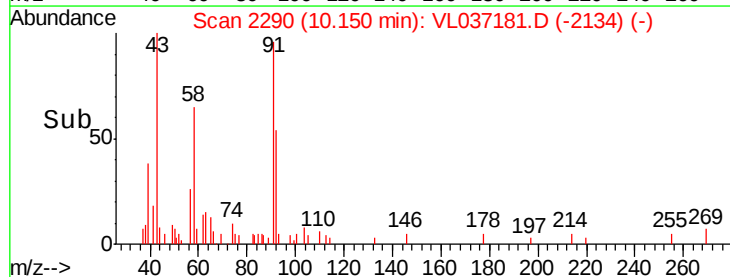
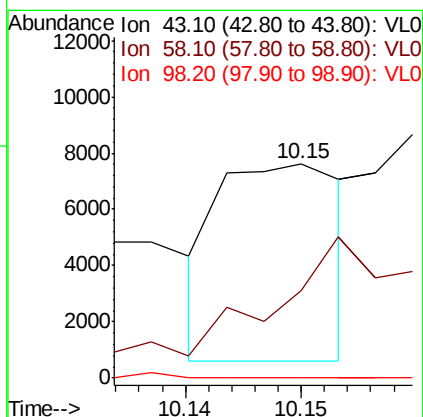
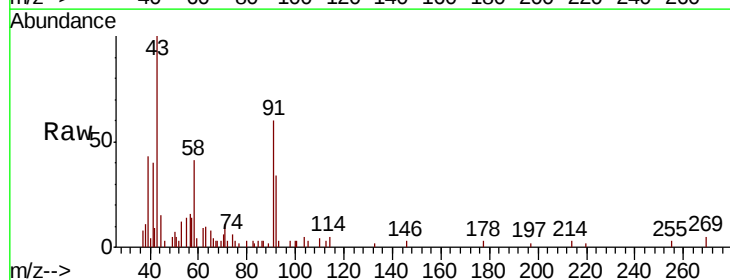
Instrument :
MSVOA_L
ClientSampleId :

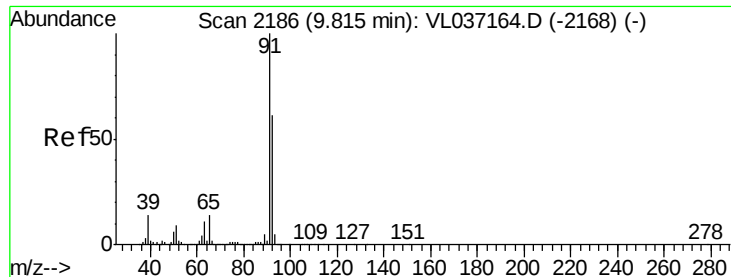
Tot Ion: 43 Resp: 1597423
Ion Ratio Lower Upper
43 100
58 34.8 28.4 42.6



#51
2-Hexanone
Concen: 0.046 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. 0.00 min
Lab File: VL037181.D
Acq: 16 Jun 2021 22:04

Tgt Ion: 43 Resp: 5197
Ion Ratio Lower Upper
43 100
58 199.6 38.4 57.6#
98 0.0 0.3 0.5#





#53

Toluene

Concen: 17.473 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

Instrument :

MSVOA_L

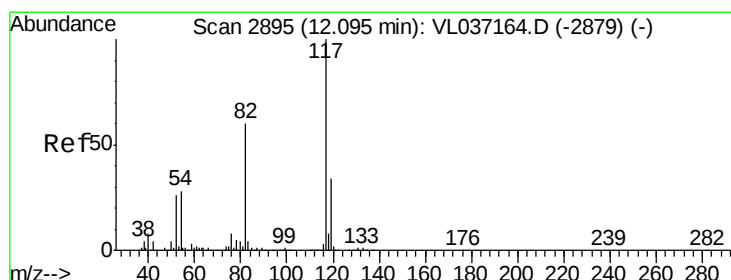
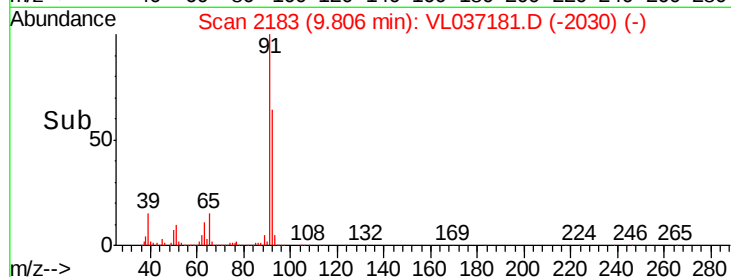
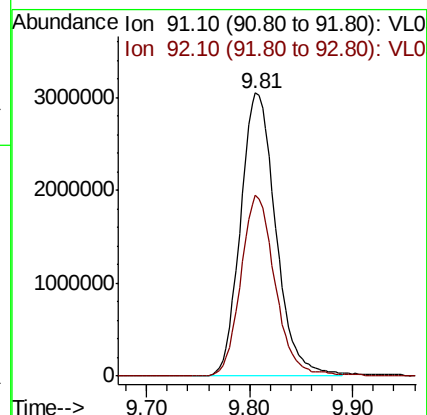
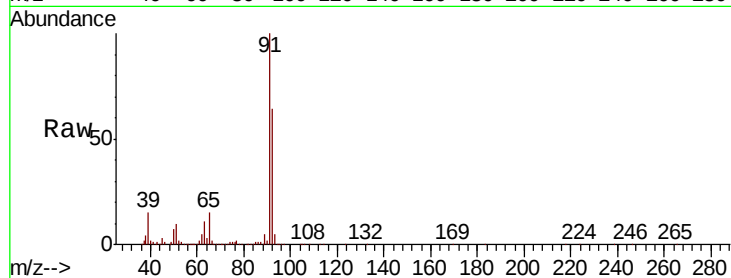
ClientSampleId :

Tot Ion: 91 Resp: 7261251

Ion Ratio Lower Upper

91 100

92 62.7 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: VL037181.D

Acq: 16 Jun 2021 22:04

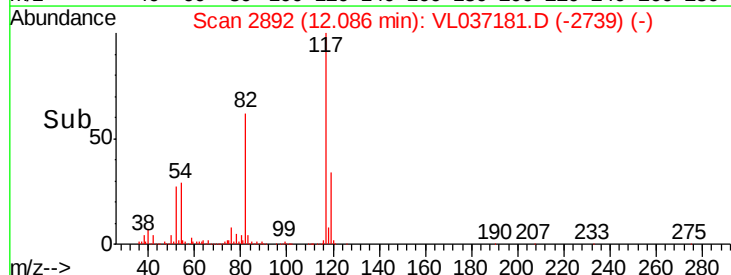
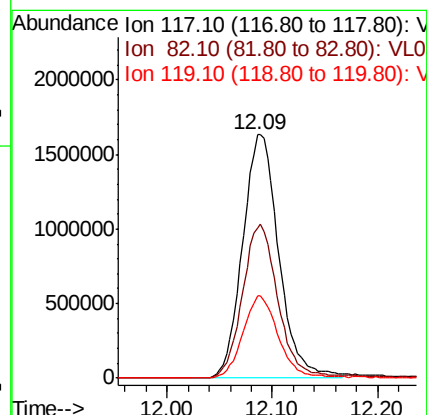
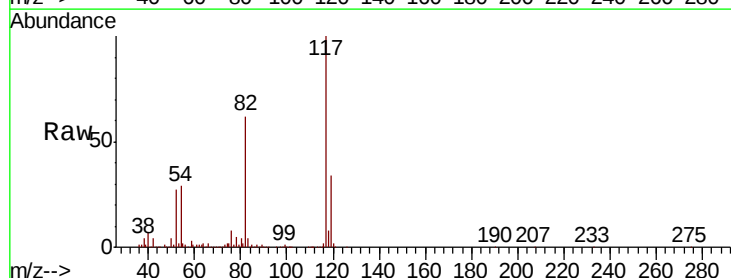
Tgt Ion: 117 Resp: 3900688

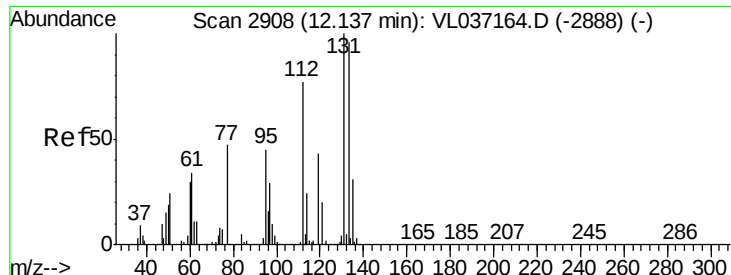
Ion Ratio Lower Upper

117 100

82 63.7 51.7 77.5

119 33.7 47.6 71.4#





#56

1,1,1,2-Tetrachloroethane

Concen: 0.802 ppbv

RT: 12.30 min Scan# 2958

Delta R.T. 0.16 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

Instrument :

MSVOA_L

ClientSampleId :

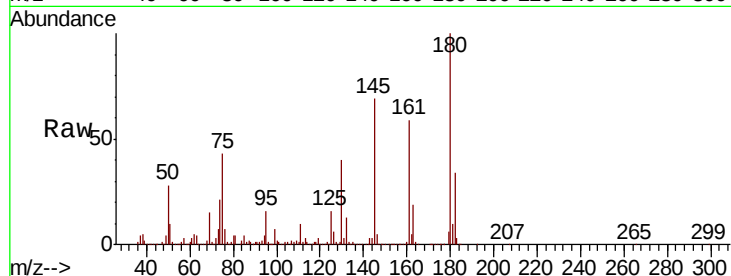
Tot Ion:131 Resp: 136755

Ion Ratio Lower Upper

131 100

133 41.8 76.5 114.7#

119 107.9 48.6 72.8#

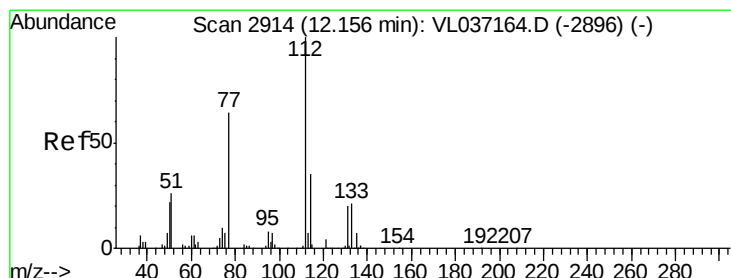
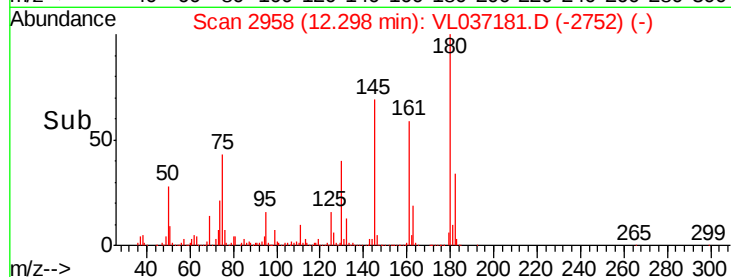
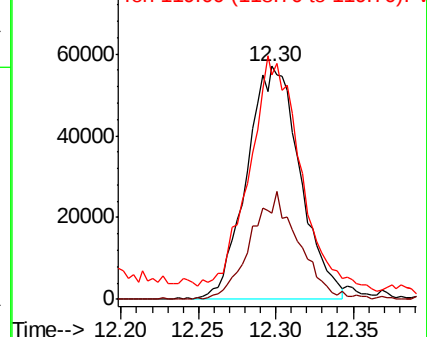


Abundance

Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#57

Chlorobenzene

Concen: 0.024 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. -0.01 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

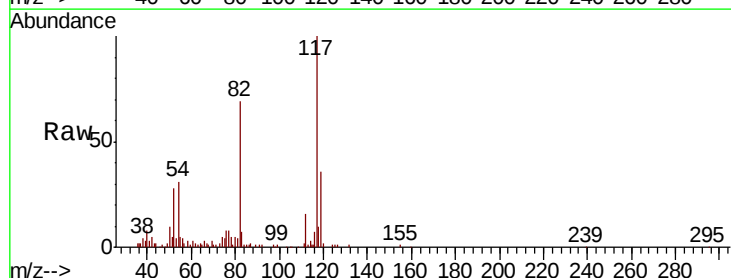
Tgt Ion:112 Resp: 7689

Ion Ratio Lower Upper

112 100

77 0.0 52.2 78.4#

114 28.3 31.1 38.1#

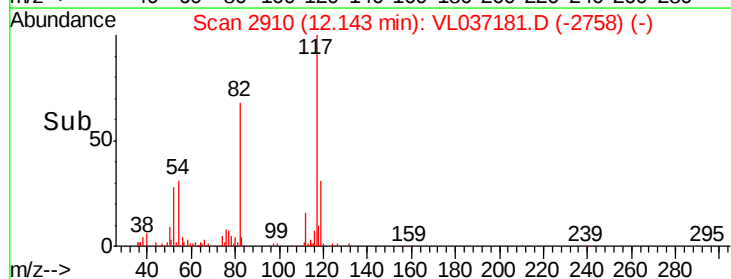
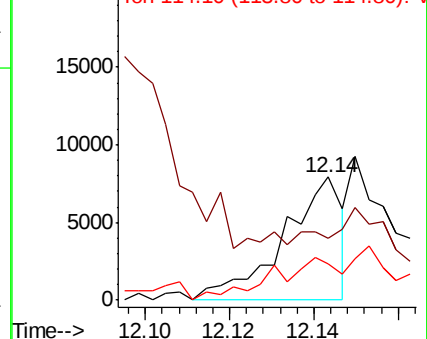


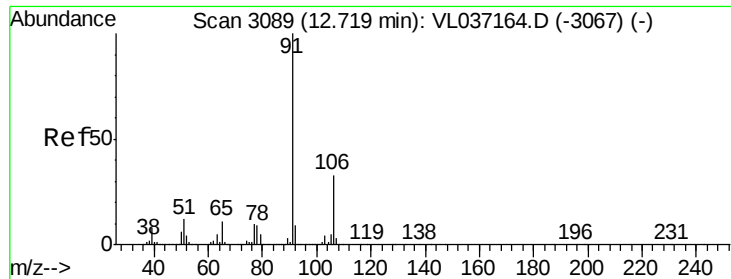
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): V

Ion 114.10 (113.80 to 114.80): V





#58

Ethyl Benzene

Concen: 6.436 ppbv

RT: 12.72 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

Instrument :

MSVOA_L

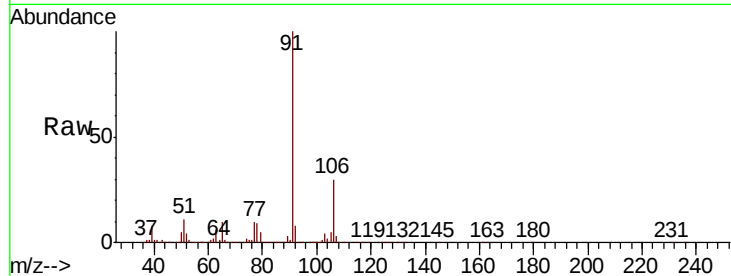
ClientSampleId :

Tot Ion: 91 Resp: 3455946

Ion Ratio Lower Upper

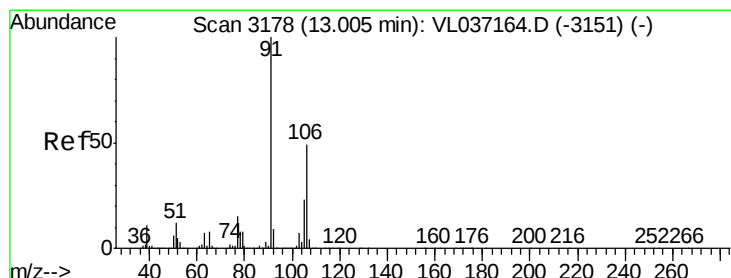
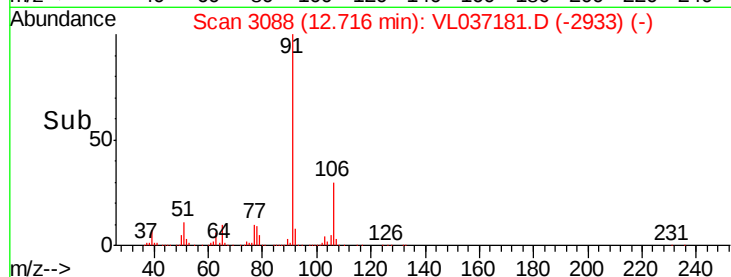
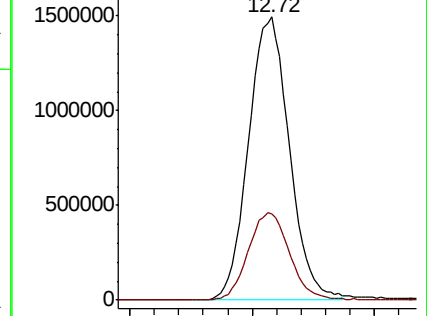
91 100

106 30.4 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 28.714 ppbv

RT: 12.97 min Scan# 3168

Delta R.T. -0.03 min

Lab File: VL037181.D

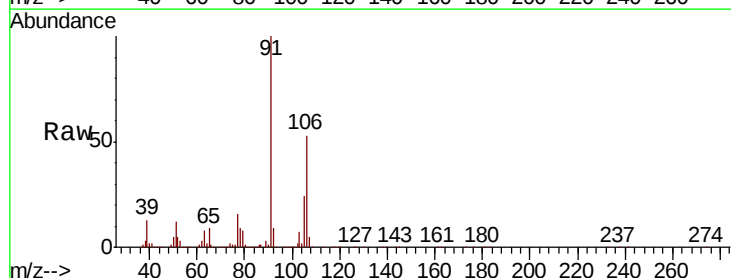
Acq: 16 Jun 2021 22:04

Tgt Ion: 91 Resp: 13066702

Ion Ratio Lower Upper

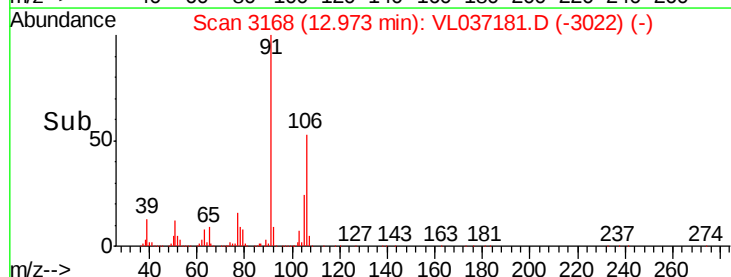
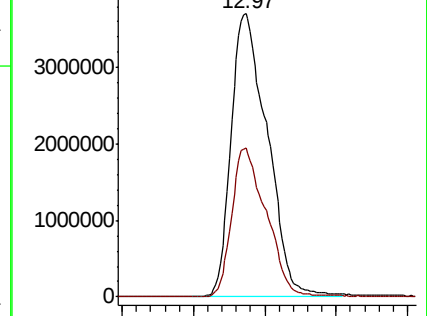
91 100

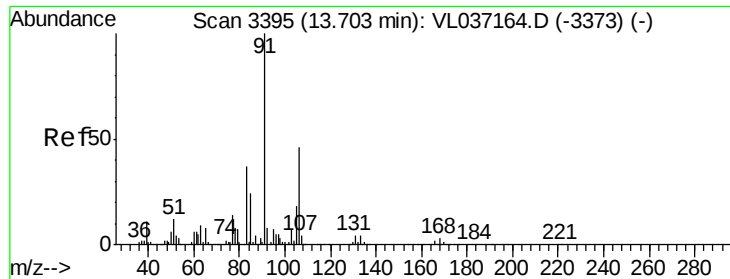
106 50.3 37.0 55.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

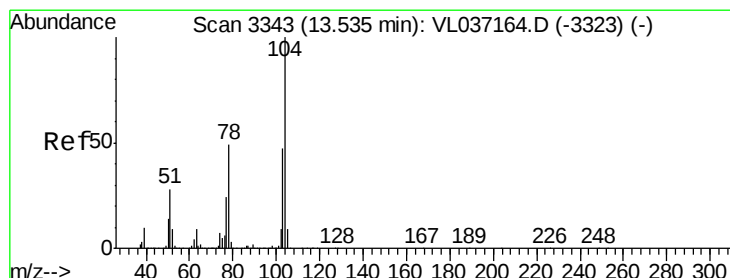
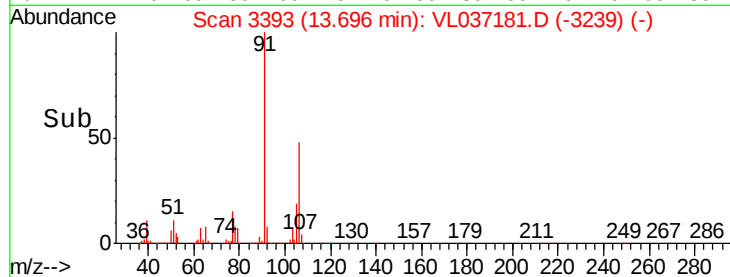
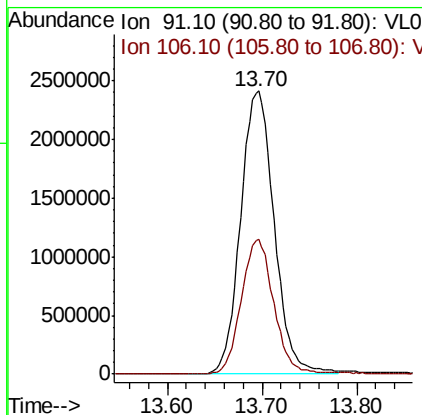
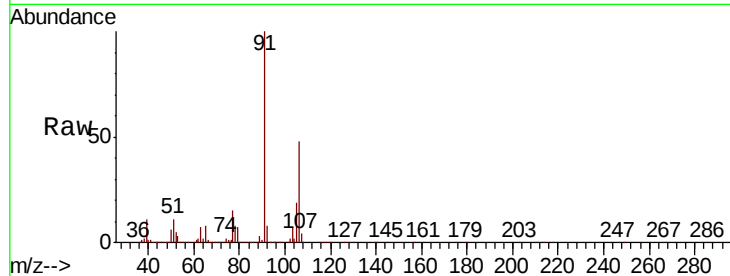




#60
o-Xylene
Concen: 13.707 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL037181.D
Acq: 16 Jun 2021 22:04

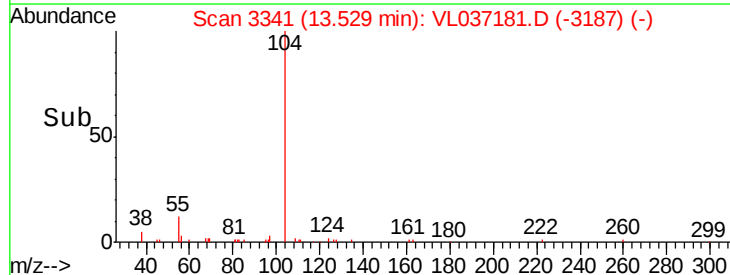
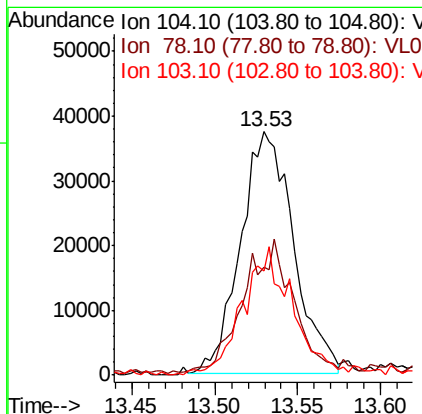
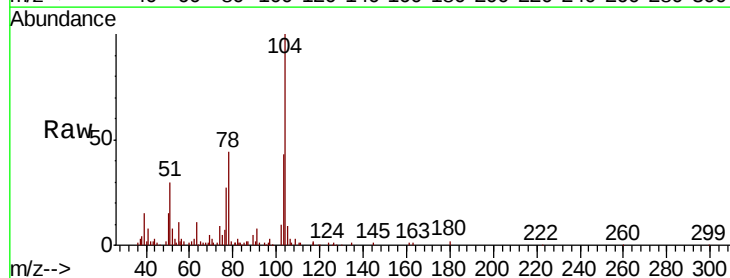
Instrument :
MSVOA_L
ClientSampled :

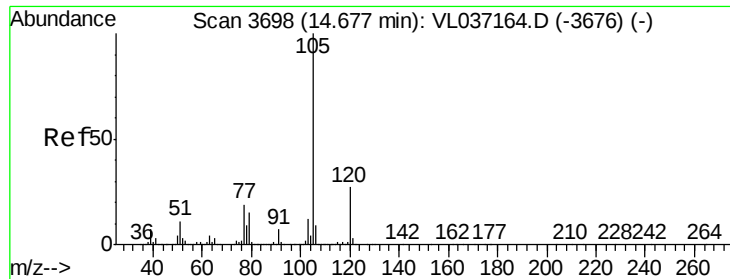
Tot Ion: 91 Resp: 5939250
Ion Ratio Lower Upper
91 100
106 47.0 23.0 69.0



#61
Styrene
Concen: 0.371 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL037181.D
Acq: 16 Jun 2021 22:04

Tgt Ion: 104 Resp: 83074
Ion Ratio Lower Upper
104 100
78 52.5 39.7 59.5
103 50.6 37.6 56.4





#62

Isopropylbenzene

Concen: 0.169 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. -0.01 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

Instrument :

MSVOA_L

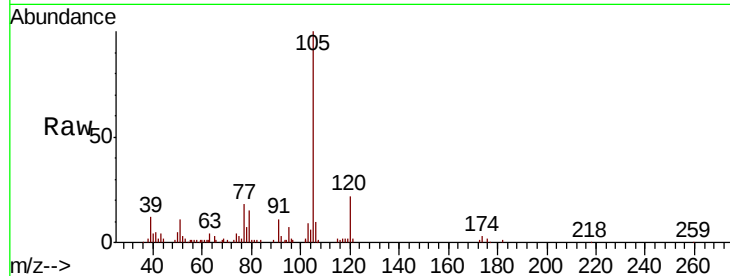
ClientSampled :

Tot Ion:105 Resp: 103907

Ion Ratio Lower Upper

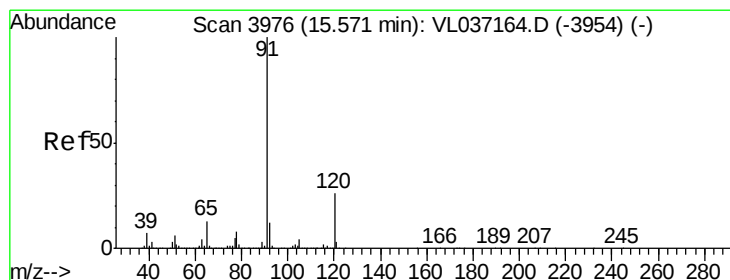
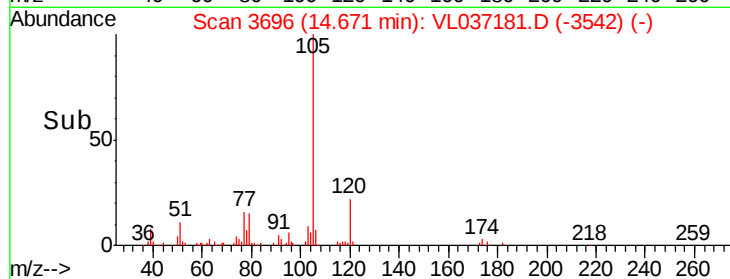
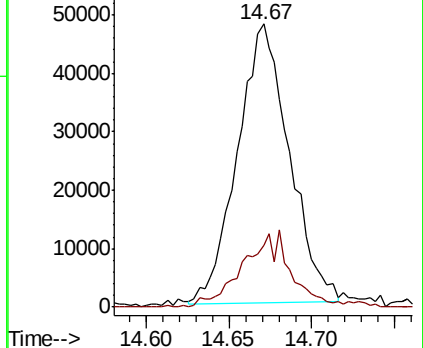
105 100

120 26.0 21.6 32.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.067 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VL037181.D

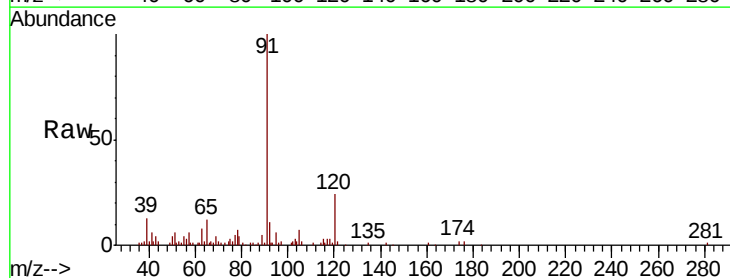
Acq: 16 Jun 2021 22:04

Tgt Ion:120 Resp: 10373

Ion Ratio Lower Upper

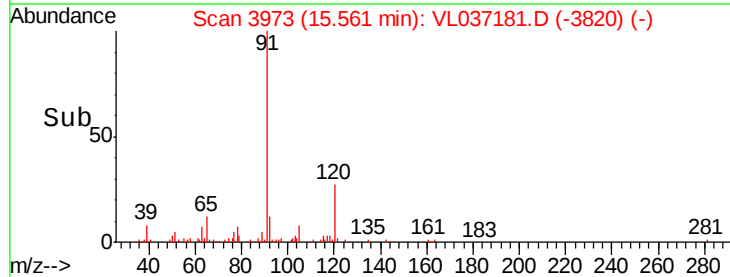
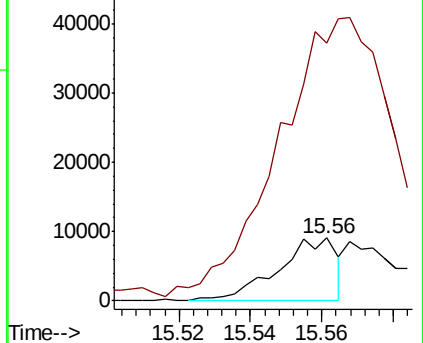
120 100

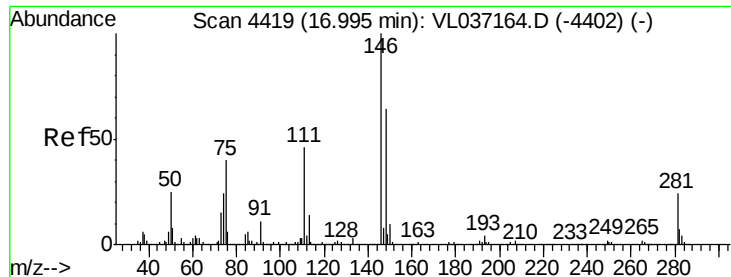
91 0.0 343.3 514.9#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VLO

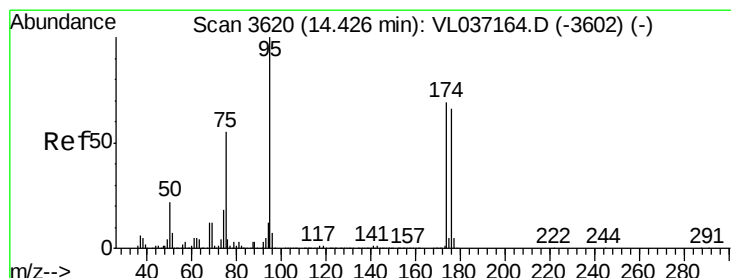
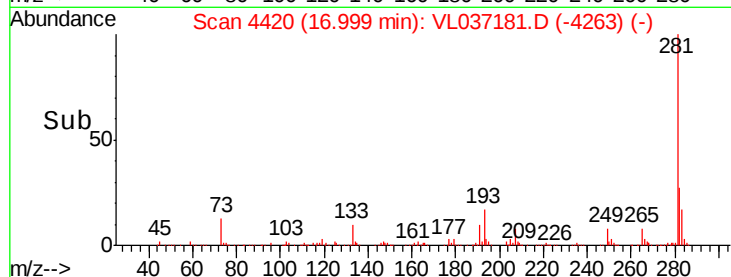
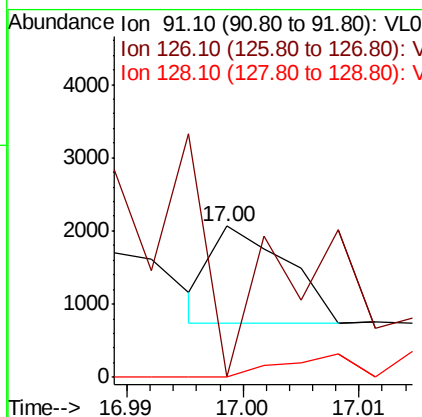
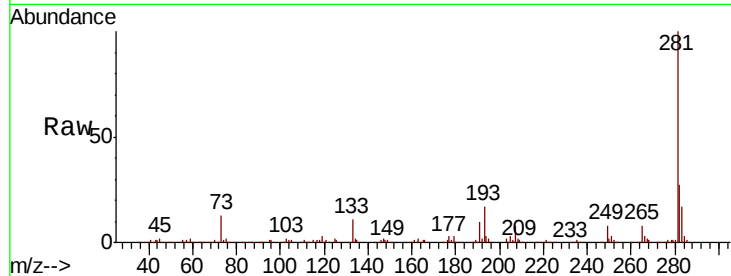




#66
Benzvl Chloride
Concen: 0.026 ppbv
RT: 17.00 min Scan# 4420
Delta R.T. 0.00 min
Lab File: VL037181.D
Acq: 16 Jun 2021 22:04

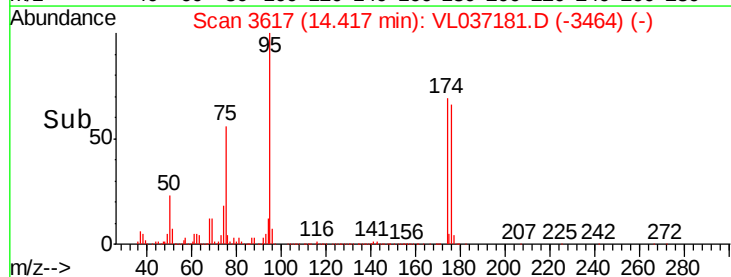
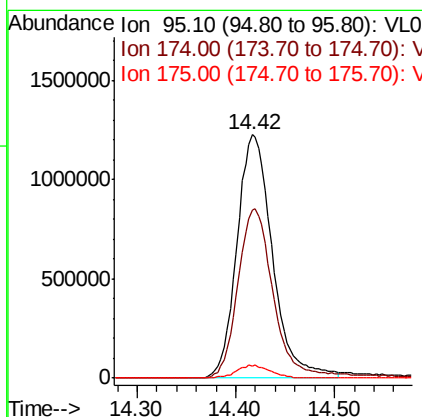
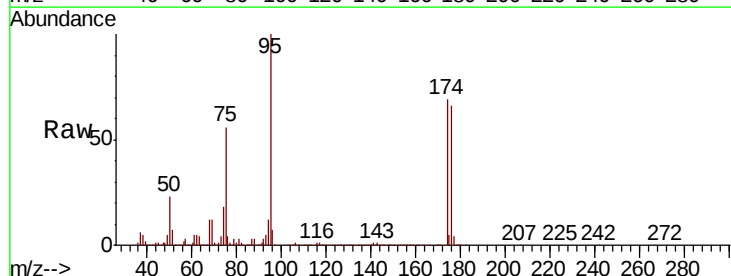
Instrument :
MSVOA_L
ClientSampleId :

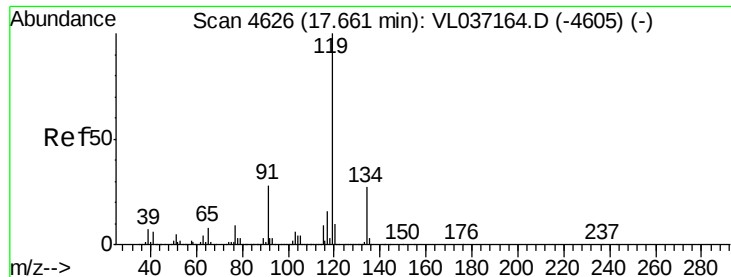
Tot Ion: 91 Resp: 592
Ion Ratio Lower Upper
91 100
126 1261.5 15.5 23.3#
128 24.5 5.7 8.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.363 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL037181.D
Acq: 16 Jun 2021 22:04

Tgt Ion: 95 Resp: 3062935
Ion Ratio Lower Upper
95 100
174 71.8 57.0 85.4
175 5.4 4.4 6.6

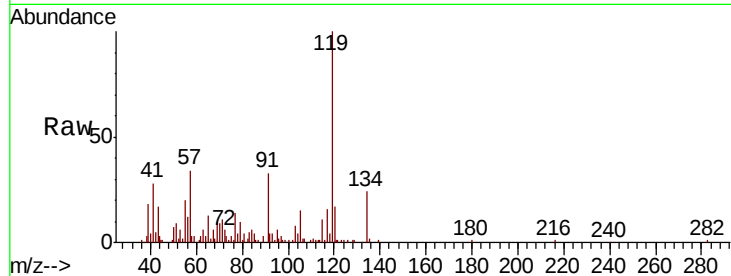




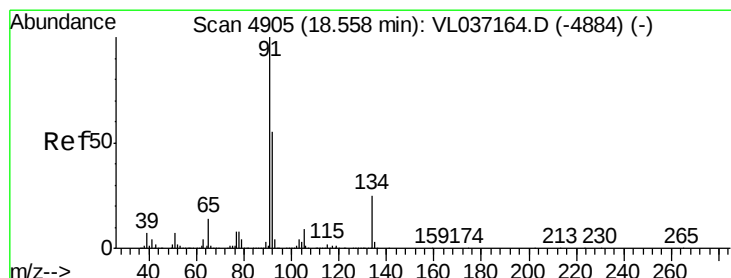
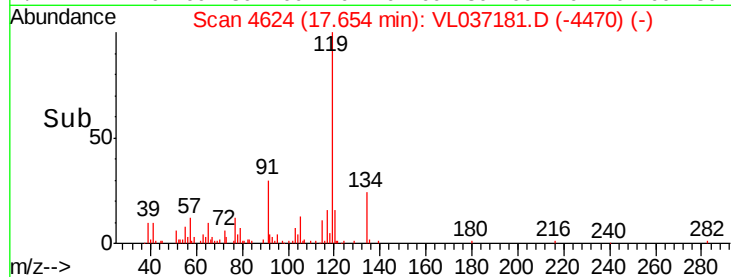
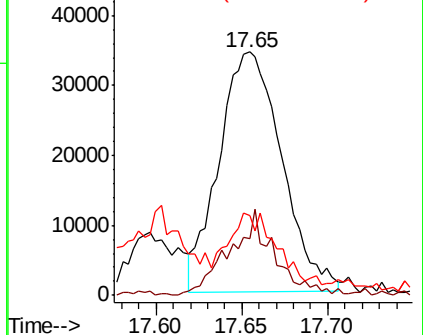
#69
 p-Isopropyltoluene
 Concen: 0.142 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. -0.01 min
 Lab File: VL037181.D
 Acq: 16 Jun 2021 22:04

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.9	31.3
91	28.5	22.6	34.0

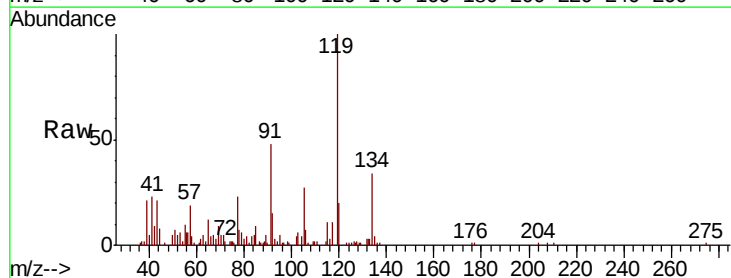


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

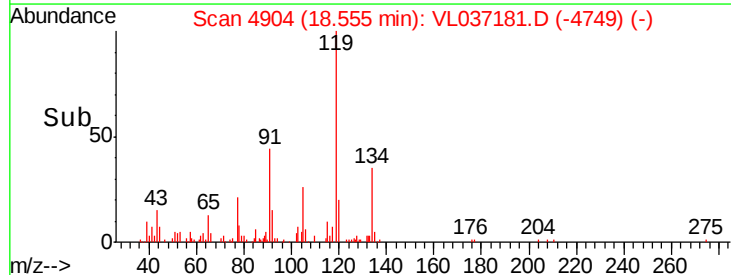
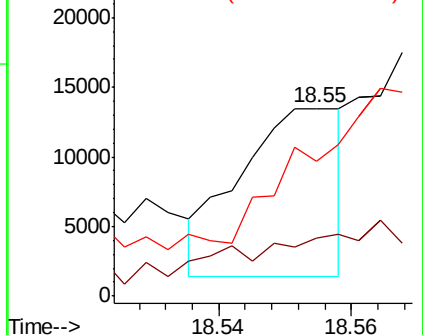


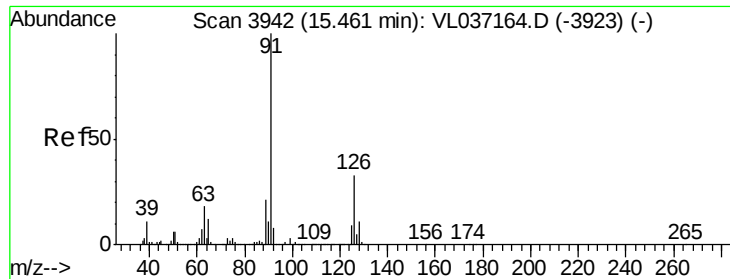
#70
 n-Butylbenzene
 Concen: 0.023 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. -0.00 min
 Lab File: VL037181.D
 Acq: 16 Jun 2021 22:04

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	44.0	66.0#
134	0.0	20.2	30.4#



Abundance Ion 91.10 (90.80 to 91.80): VLO
 Ion 92.10 (91.80 to 92.80): VLO
 Ion 134.20 (133.90 to 134.90): V

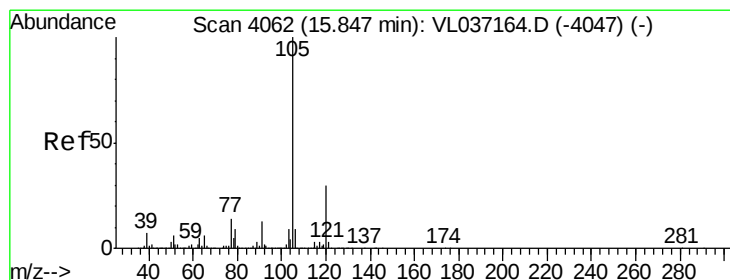
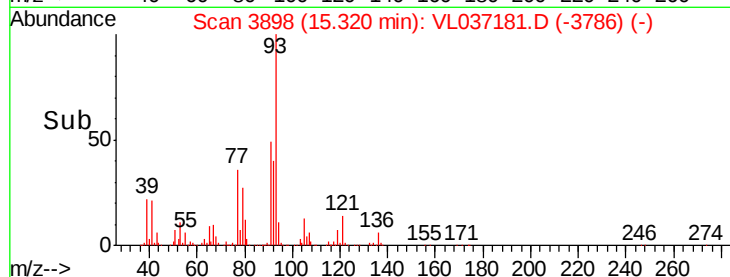
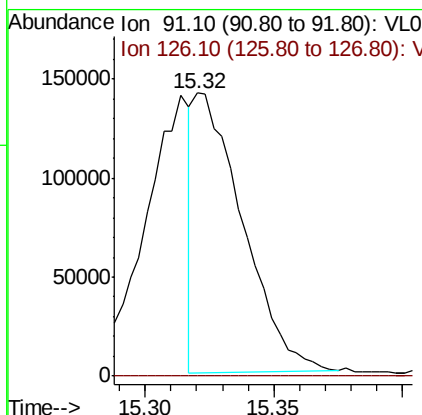
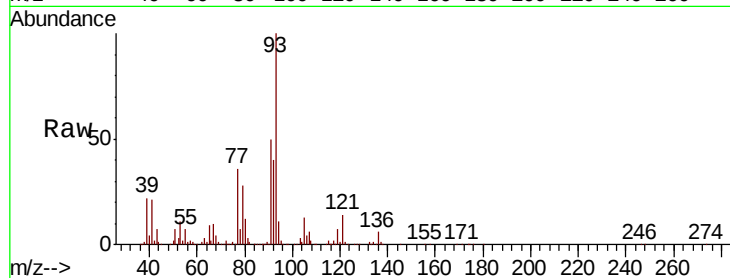




#71
2-Chlorotoluene
Concen: 0.427 ppbv
RT: 15.32 min Scan# 3898
Delta R.T. -0.14 min
Lab File: VL037181.D
Acq: 16 Jun 2021 22:04

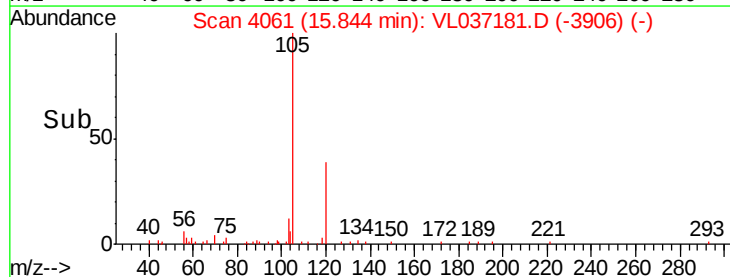
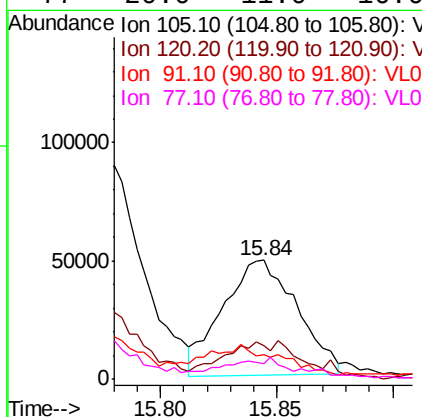
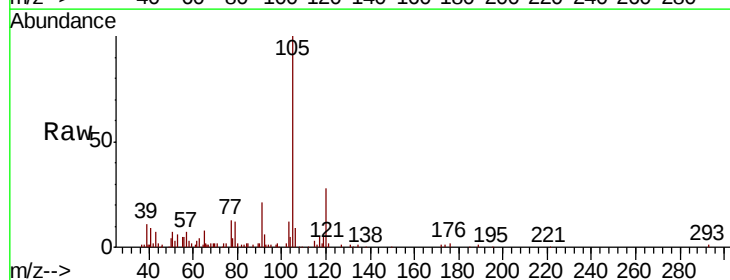
Instrument :
MSVOA_L
ClientSampleId :

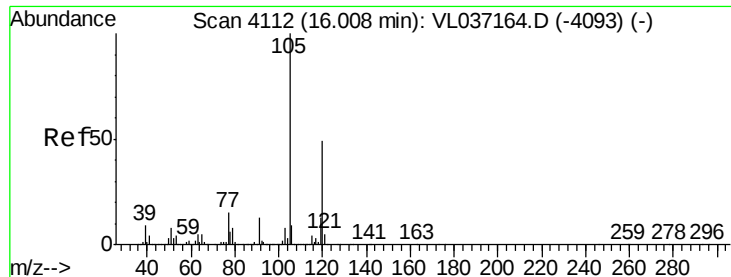
Tot Ion: 91 Resp: 184128
Ion Ratio Lower Upper
91 100
126 0.1 13.5 54.1#



#72
4-Ethyltoluene
Concen: 0.220 ppbv
RT: 15.84 min Scan# 4061
Delta R.T. -0.00 min
Lab File: VL037181.D
Acq: 16 Jun 2021 22:04

Tgt Ion: 105 Resp: 108517
Ion Ratio Lower Upper
105 100
120 34.6 24.7 37.1
91 32.0 10.2 15.4#
77 20.0 11.0 16.6#

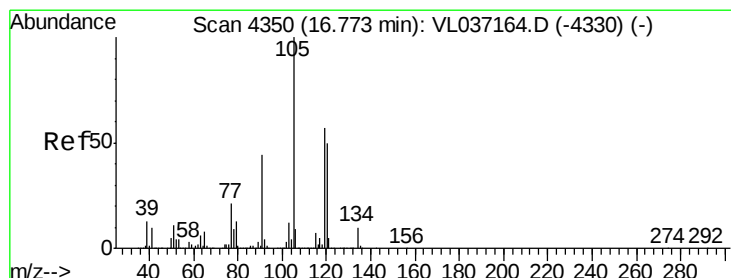
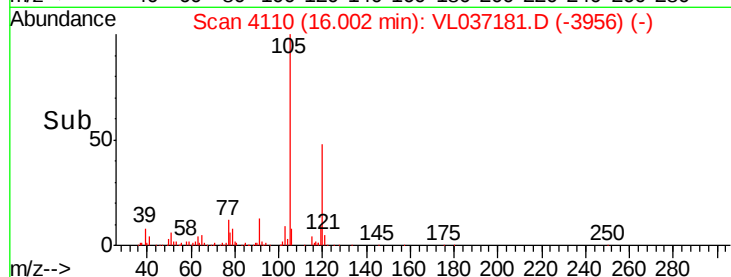
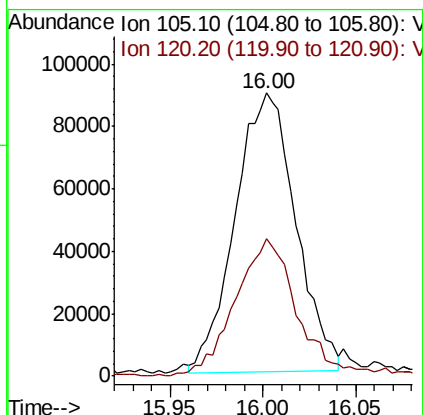
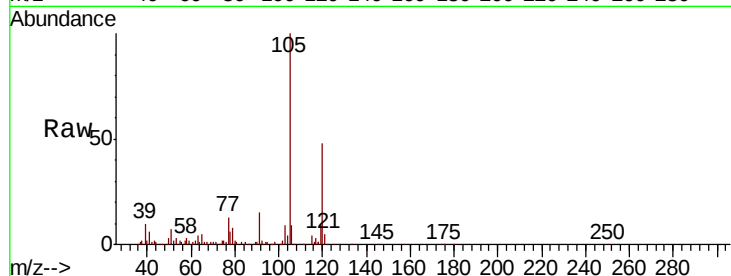




#73
 1,3,5-Trimethylbenzene
 Concen: 0.428 ppbv
 RT: 16.00 min Scan# 4110
 Delta R.T. -0.01 min
 Lab File: VL037181.D
 Acq: 16 Jun 2021 22:04

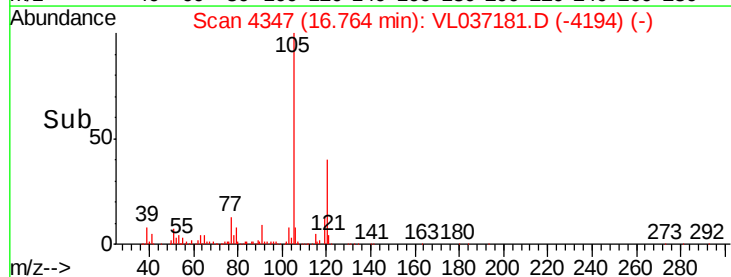
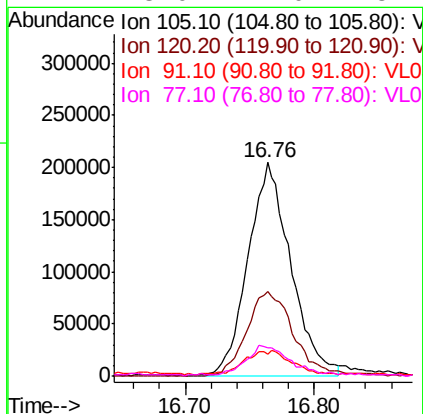
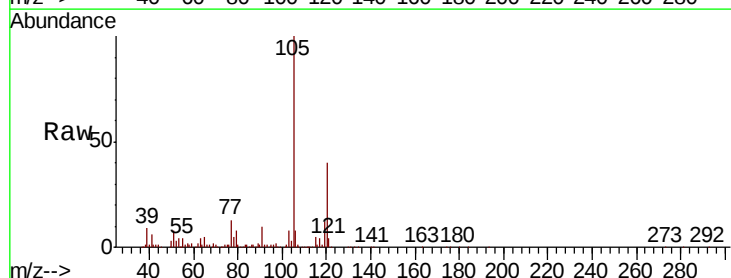
Instrument :
 MSVOA_L
 ClientSampleId :

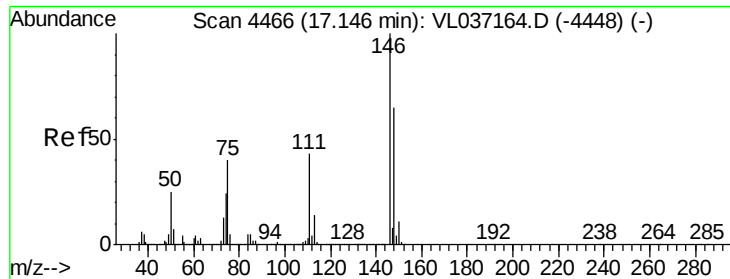
Tot Ion:105 Resp: 203452
 Ion Ratio Lower Upper
 105 100
 120 49.0 39.4 59.2



#74
 1,2,4-Trimethylbenzene
 Concen: 0.960 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. -0.01 min
 Lab File: VL037181.D
 Acq: 16 Jun 2021 22:04

Tgt Ion:105 Resp: 470524
 Ion Ratio Lower Upper
 105 100
 120 39.7 39.8 59.8#
 91 9.2 37.0 55.4#
 77 13.0 17.0 25.4#

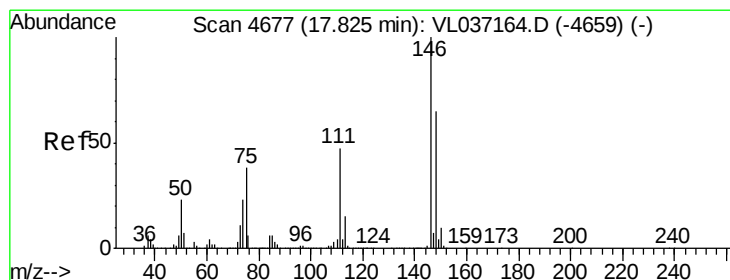
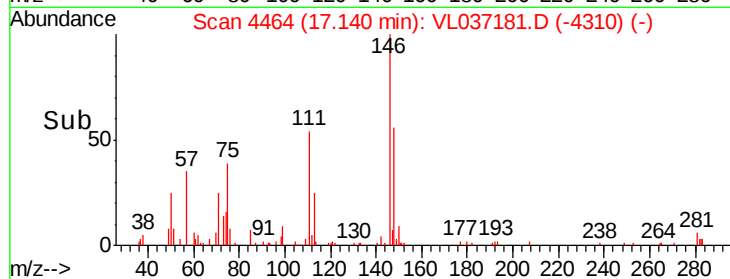
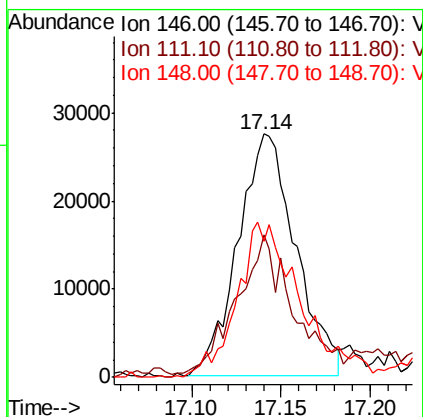
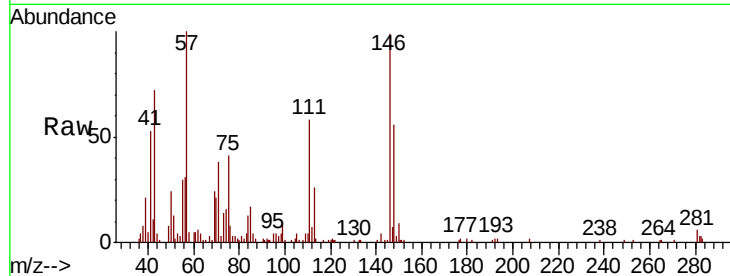




#76
 1,4-Dichlorobenzene
 Concen: 0.209 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. -0.01 min
 Lab File: VL037181.D
 Acq: 16 Jun 2021 22:04

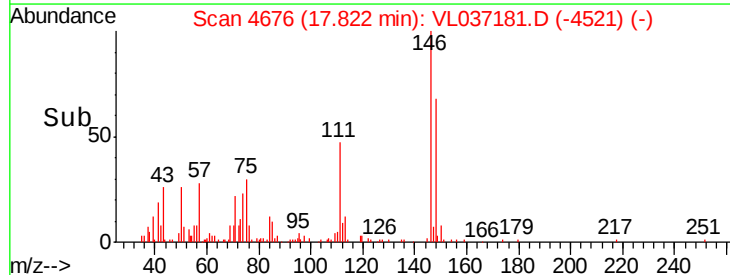
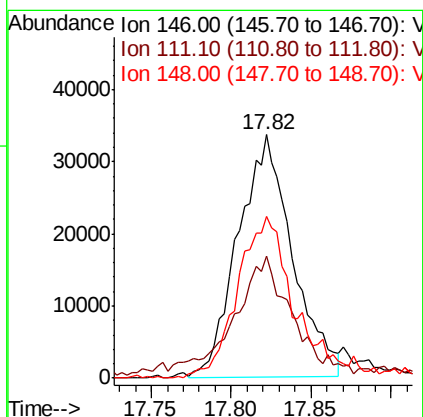
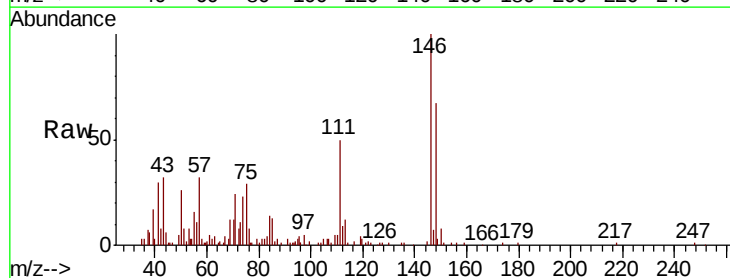
Instrument :
 MSVOA_L
 ClientSampleId :

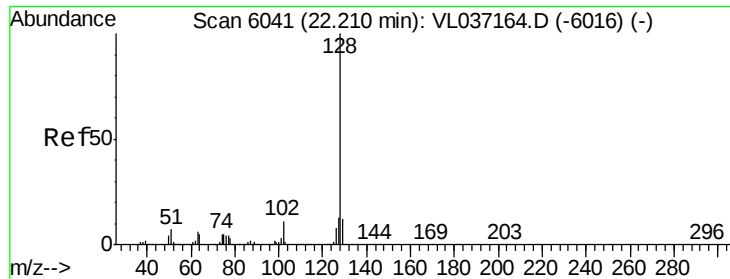
Tot Ion:146 Resp: 62197
 Ion Ratio Lower Upper
 146 100
 111 75.7 22.7 68.0#
 148 70.3 33.7 101.1



#77
 1,2-Dichlorobenzene
 Concen: 0.271 ppbv
 RT: 17.82 min Scan# 4676
 Delta R.T. -0.00 min
 Lab File: VL037181.D
 Acq: 16 Jun 2021 22:04

Tgt Ion:146 Resp: 78158
 Ion Ratio Lower Upper
 146 100
 111 56.5 23.3 69.8
 148 73.4 32.4 97.0





#79

Naphthalene

Concen: 0.108 ppbv

RT: 22.20 min Scan# 6037

Delta R.T. -0.01 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

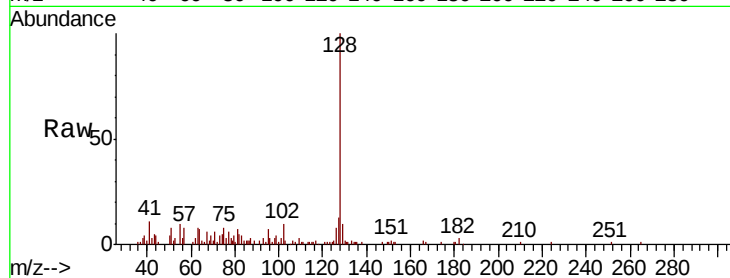
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 44237

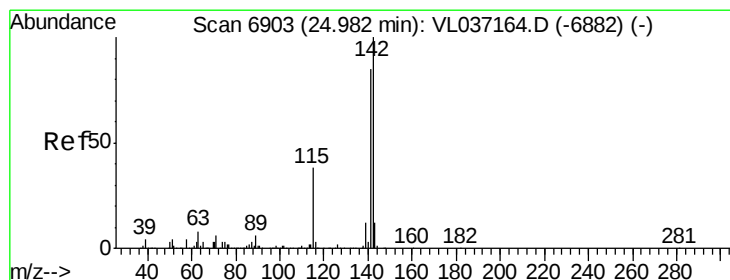
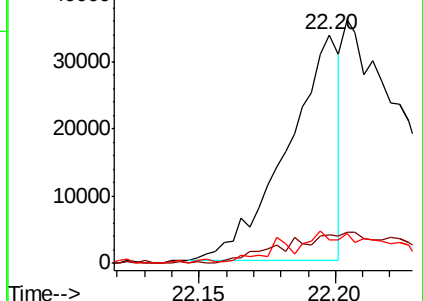
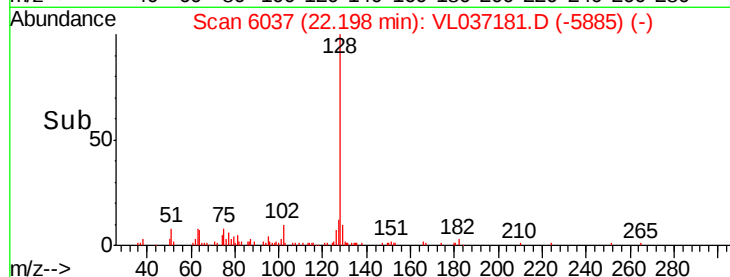
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.7	16.1
129	10.1	9.3	13.9



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



#80

Naphthalene, 2-methyl-

Concen: 0.053 ppbv

RT: 24.98 min Scan# 6901

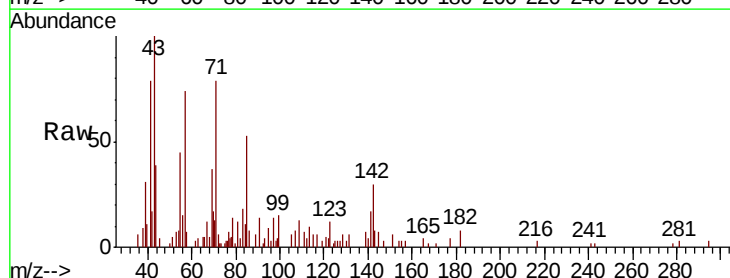
Delta R.T. -0.01 min

Lab File: VL037181.D

Acq: 16 Jun 2021 22:04

Tgt Ion:142 Resp: 5666

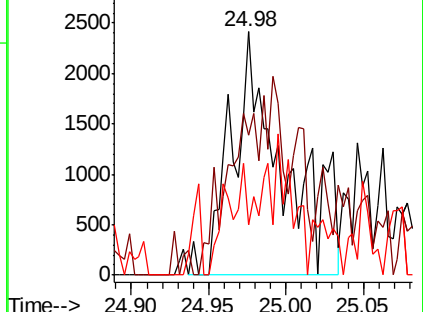
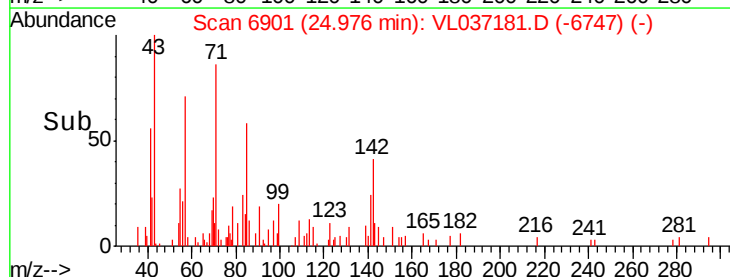
Ion	Ratio	Lower	Upper
142	100		
141	131.6	63.7	95.5#
115	54.3	30.6	45.8#

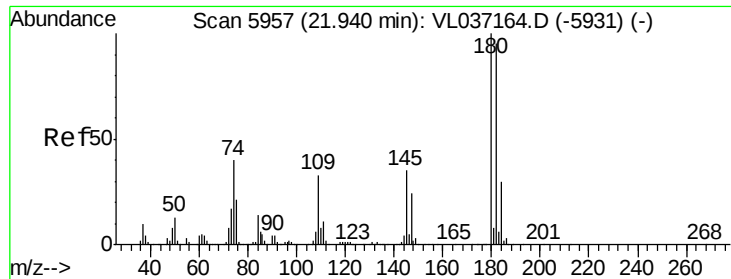


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

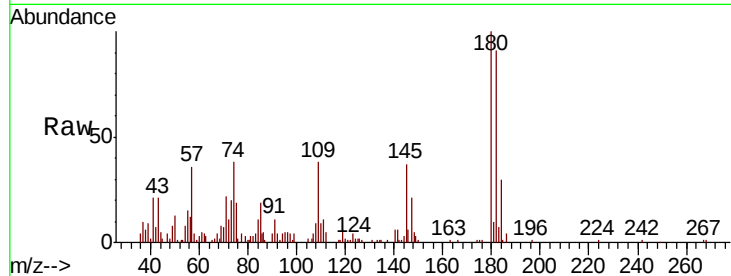




#81
 1,2,4-Trichlorobenzene
 Concen: 0.344 ppbv
 RT: 21.93 min Scan# 5953
 Delta R.T. -0.01 min
 Lab File: VL037181.D
 Acq: 16 Jun 2021 22:04

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 81086
 Ion Ratio Lower Upper
 180 100
 182 119.2 79.3 118.9#
 184 34.5 24.7 37.1



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

