

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091621\
 Data File : VL037634.D
 Acq On : 17 Sep 2021 3:14
 Operator : SY/AP
 Sample : M3780-02 2X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 17 05:30:25 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1503054	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4283048	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3711775	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2630700	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds

						Ovalue
3) Chlorodifluoromethane	3.19	51	12356	0.044	ppbv	94
4) Chloromethane	3.13	50	63110	0.602	ppbv	90
9) Propene	3.02	41	625749	6.257	ppbv #	64
10) Heptane	8.10	43	151300	0.648	ppbv	99
11) Trichlorofluoromethane	3.93	101	25061	0.115	ppbv	95
13) Ethanol	3.64	45	48580903	4966.367	ppbv	87
15) Acetone	3.84	43	6946848	44.484	ppbv	98
16) 1,3-Butadiene	3.30	39	23362	0.239	ppbv #	10
17) tert-Butyl alcohol	4.31	59	33245	0.251	ppbv #	37
19) Isopropyl Alcohol	4.00	45	12470387	146.762	ppbv #	93
20) Methylene Chloride	4.33	84	118537	1.590	ppbv	98
21) Allyl Chloride	4.35	41	6540	0.056	ppbv #	1
23) Vinyl Acetate	5.05	43	93574	0.433	ppbv #	1
25) Ethyl Acetate	5.66	43	1267036	3.350	ppbv #	92
26) Hexane	5.67	57	327989	1.826	ppbv #	27
27) Carbon Disulfide	4.53	76	5344	0.033	ppbv #	1
29) Chloroform	5.73	83	1385743	5.282	ppbv	97
30) Cyclohexane	7.11	84	29271	0.190	ppbv #	1
31) cis-1,2-Dichloroethene	5.66	61	131605	0.807	ppbv #	23
34) 2-Butanone	5.23	43	500407	2.875	ppbv #	87
36) Benzene	6.87	78	251592	0.704	ppbv #	90
39) 1,2-Dichloropropane	7.16	63	1020982	7.464	ppbv #	27
41) Tetrahydrofuran	6.02	42	70755	0.865	ppbv #	36
42) Bromodichloromethane	7.78	83	14687	0.058	ppbv #	77
44) 2,2,4-Trimethylpentane	7.85	57	325038	0.541	ppbv #	86
50) 4-Methyl-2-Pentanone	8.73	43	17463	0.079	ppbv #	1
51) 2-Hexanone	10.10	43	12466	0.128	ppbv #	29
52) Tetrachloroethene	11.20	164	4845	0.035	ppbv #	59
53) Toluene	9.78	91	1911820	4.816	ppbv	99
58) Ethyl Benzene	12.69	91	390371	0.792	ppbv	93
59) m/p-Xylene	12.98	91	286099	0.666	ppbv #	31
60) o-Xylene	13.67	91	468753	1.147	ppbv	98
61) Styrene	13.51	104	169036	0.839	ppbv	100
64) n-propylbenzene	15.54	120	10057	0.068	ppbv #	1
65) tert-Butylbenzene	16.73	119	17809	0.035	ppbv #	22
66) Benzyl Chloride	16.74	91	14009	0.498	ppbv #	72
69) p-Isopropyltoluene	17.63	119	162625	0.285	ppbv #	91
71) 2-Chlorotoluene	15.54	91	43734	0.107	ppbv #	45
72) 4-Ethyltoluene	15.81	105	70536	0.150	ppbv #	76
73) 1,3,5-Trimethylbenzene	15.98	105	49069	0.112	ppbv #	74
74) 1,2,4-Trimethylbenzene	16.74	105	306774	0.666	ppbv #	75

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091621\
Data File : VL037634.D
Acq On : 17 Sep 2021 3:14
Operator : SY/AP
Sample : M3780-02 2X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Sep 17 05:30:25 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration

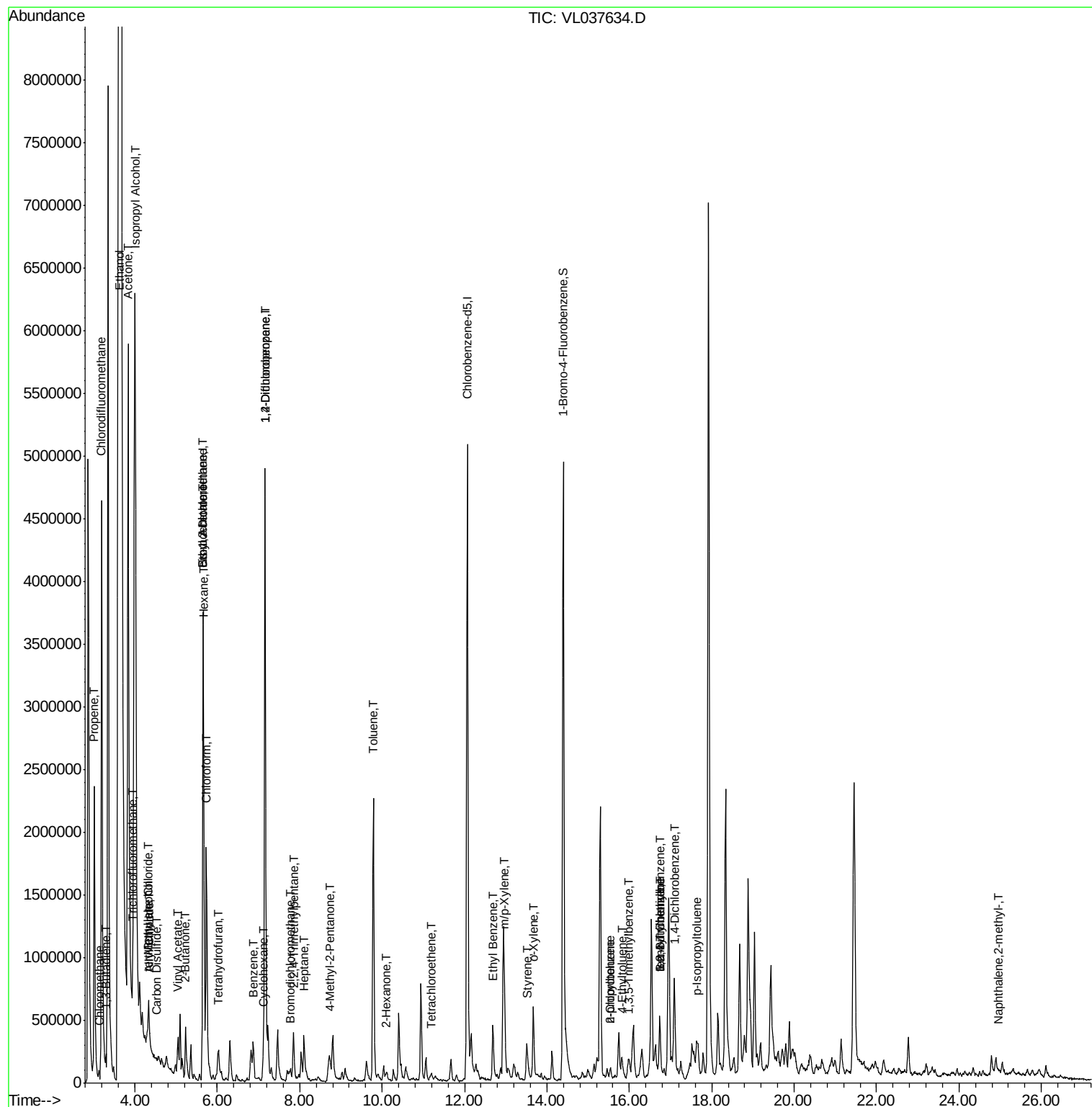
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,4-Dichlorobenzene	17.11	146	25074	0.089	ppbv #	23
80) Naphthalene,2-methyl-	24.96	142	12022	0.186	ppbv #	83

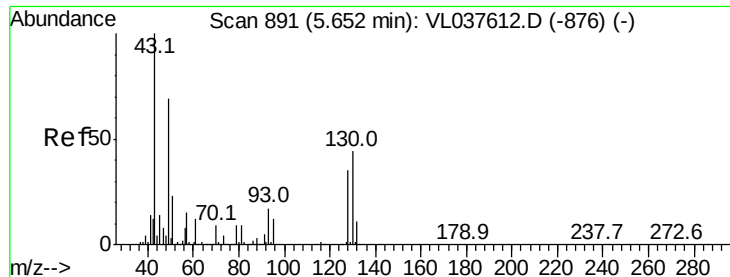
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091621\
Data File : VL037634.D
Acq On : 17 Sep 2021 3:14
Operator : SY/AP
Sample : M3780-02 2X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Sep 17 05:30:25 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037634.D

Acq: 17 Sep 2021 3:14

Instrument :
MSVOA_L
ClientSampleId :

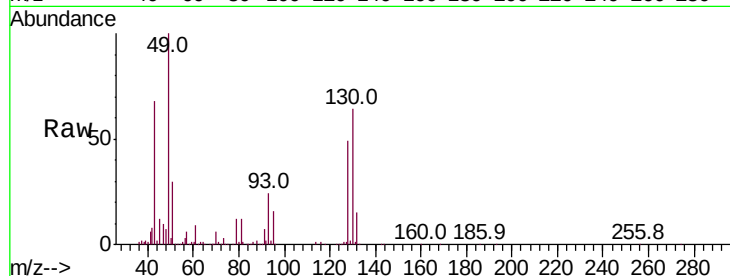
Tot Ion: 49 Resp: 1503054

Ion Ratio Lower Upper

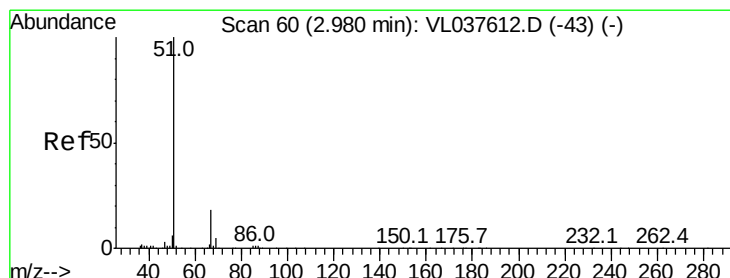
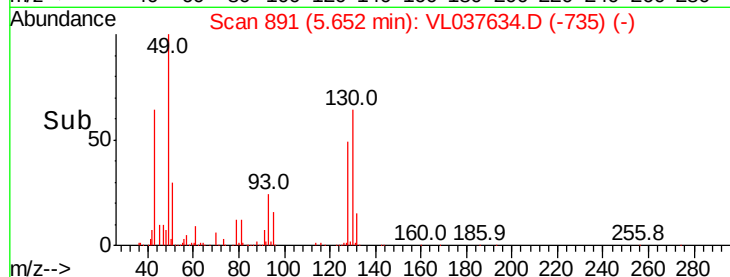
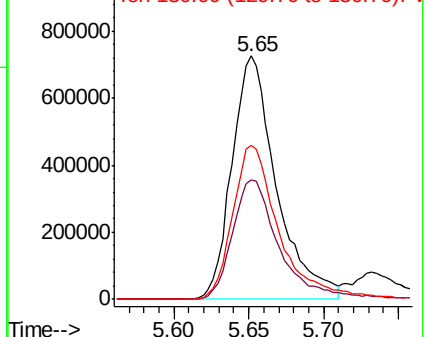
49 100

128 52.3 27.9 83.6

130 67.1 33.9 101.7



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



#3

Chlorodifluoromethane

Concen: 0.044 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.21 min

Lab File: VL037634.D

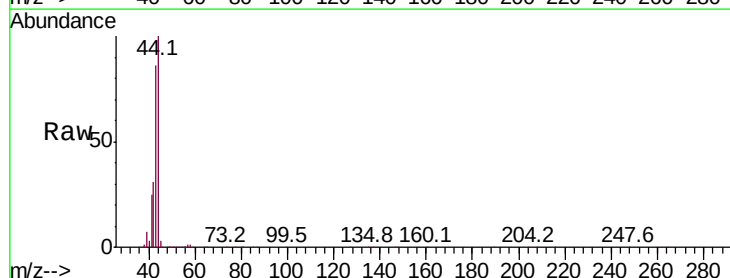
Acq: 17 Sep 2021 3:14

Tgt Ion: 51 Resp: 12356

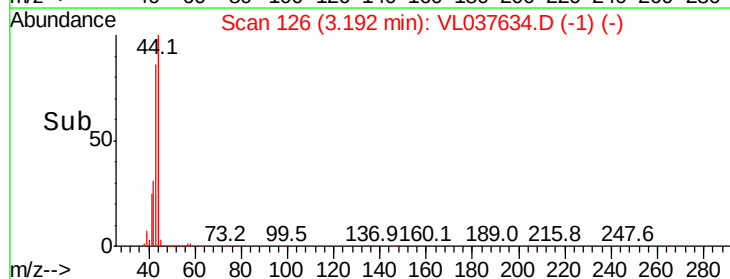
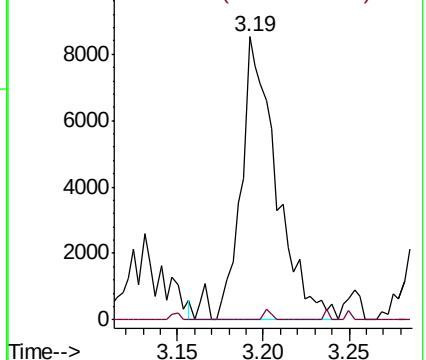
Ion Ratio Lower Upper

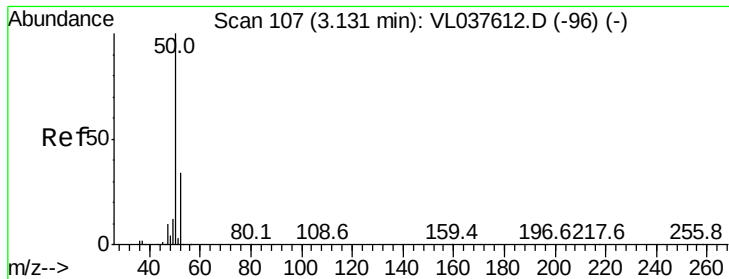
51 100

67 20.3 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.602 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL037634.D

Acq: 17 Sep 2021 3:14

Instrument :

MSVOA_L

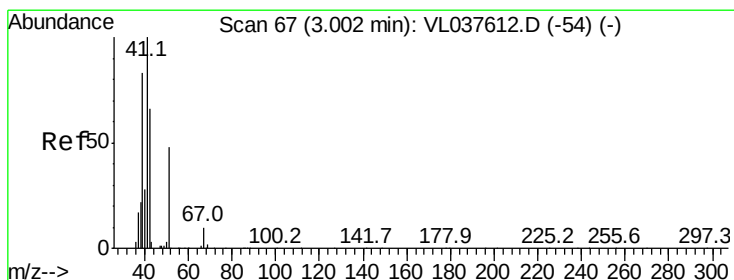
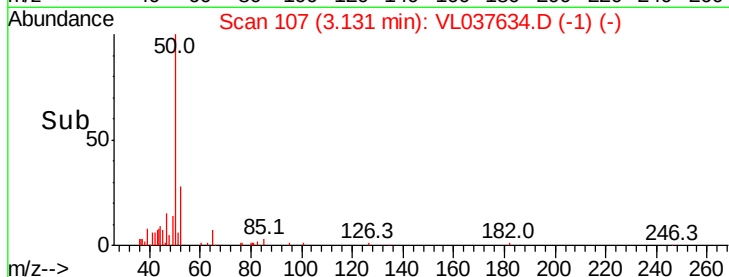
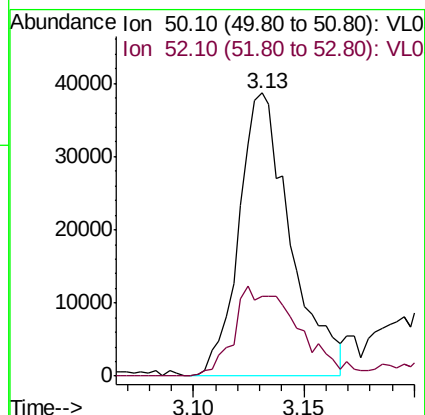
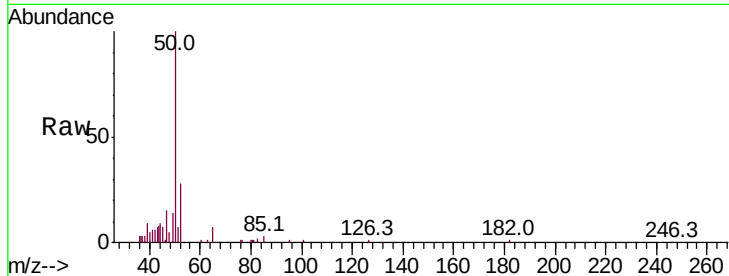
ClientSampleId :

Tot Ion: 50 Resp: 63110

Ion Ratio Lower Upper

50 100

52 28.2 27.1 40.7



#9

Propene

Concen: 6.257 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL037634.D

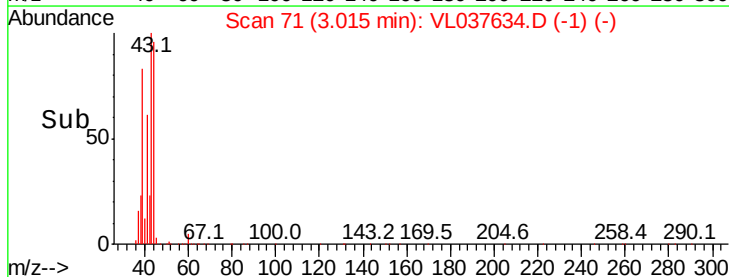
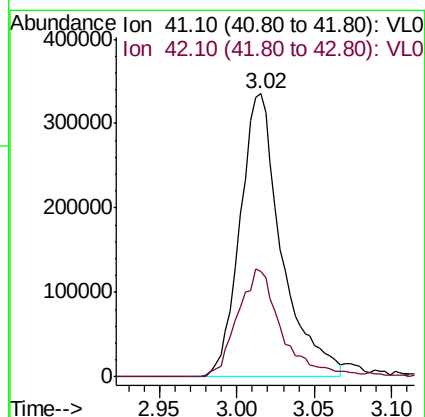
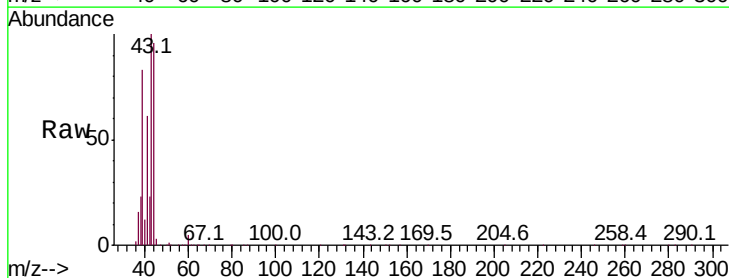
Acq: 17 Sep 2021 3:14

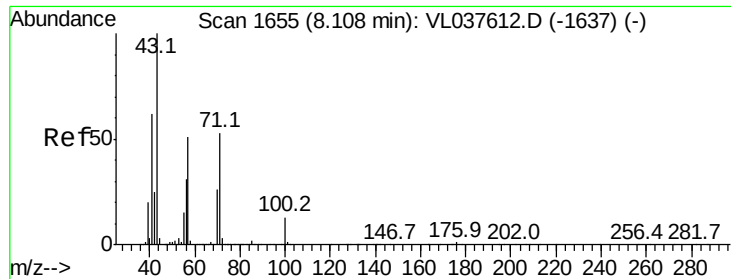
Tgt Ion: 41 Resp: 625749

Ion Ratio Lower Upper

41 100

42 41.4 57.2 85.8#

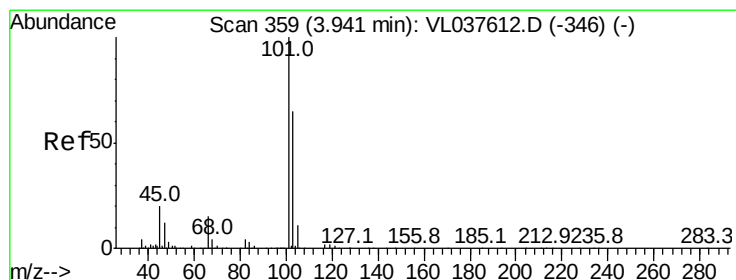
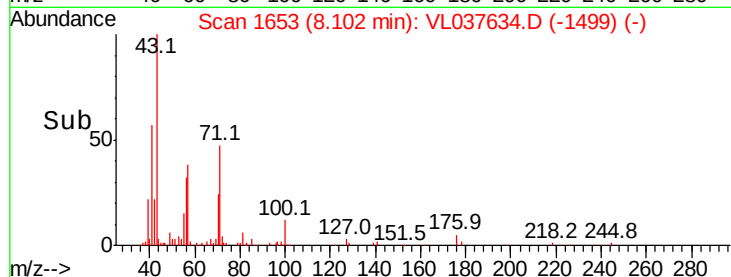
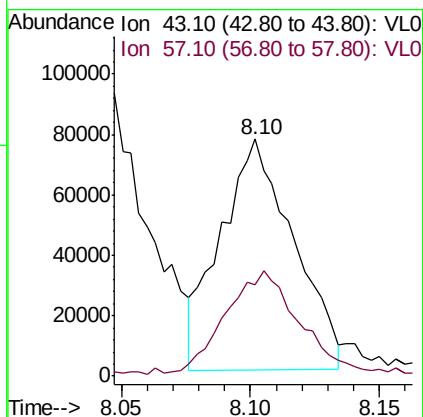
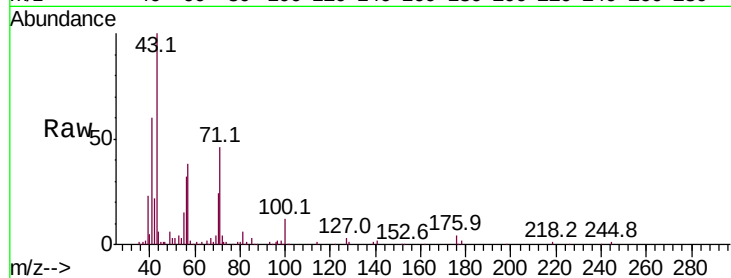




#10
 Heptane
 Concen: 0.648 ppbv
 RT: 8.10 min Scan# 1653
 Delta R.T. -0.01 min
 Lab File: VL037634.D
 Acq: 17 Sep 2021 3:14

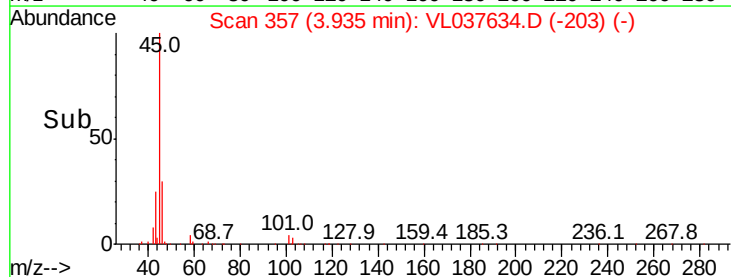
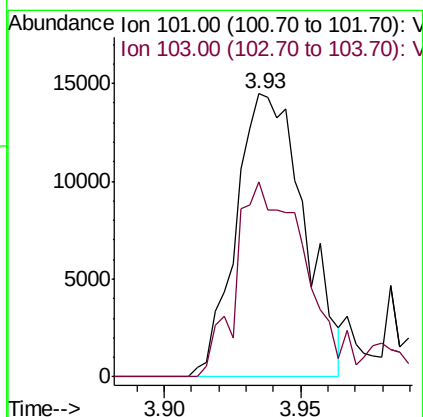
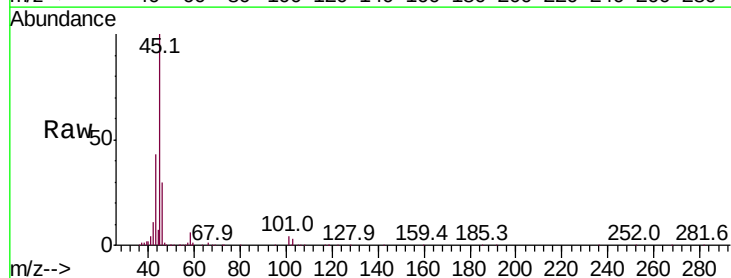
Instrument :
 MSVOA_L
 ClientSampleId :

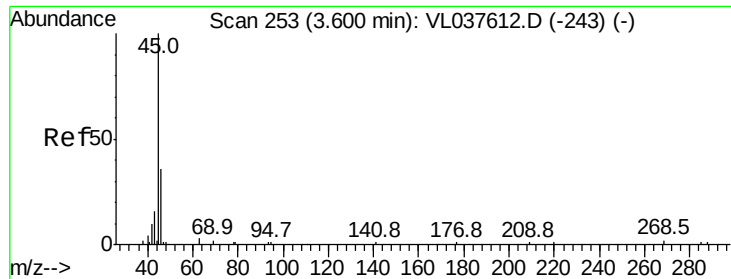
Tot Ion: 43 Resp: 151300
 Ion Ratio Lower Upper
 43 100
 57 49.6 40.1 60.1



#11
 Trichlorofluoromethane
 Concen: 0.115 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.01 min
 Lab File: VL037634.D
 Acq: 17 Sep 2021 3:14

Tgt Ion: 101 Resp: 25061
 Ion Ratio Lower Upper
 101 100
 103 68.8 51.9 77.9

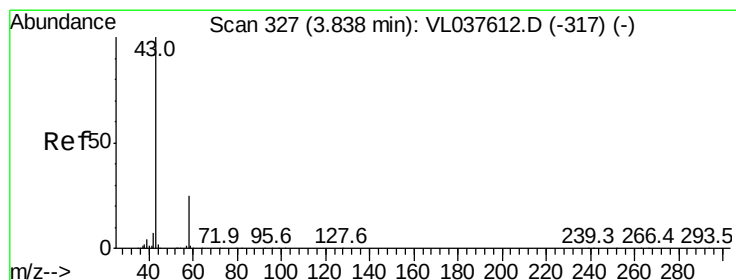
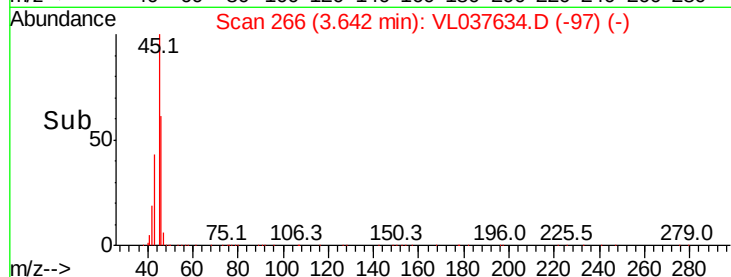
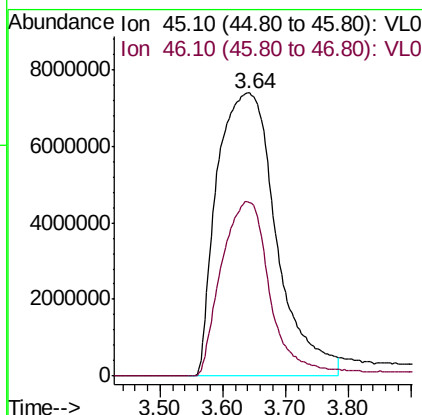
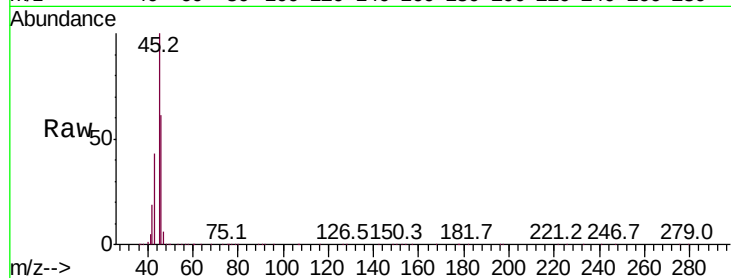




#13
Ethanol
Concen: 4966.367 ppbv
RT: 3.64 min Scan# 266
Delta R.T. 0.04 min
Lab File: VL037634.D
Acq: 17 Sep 2021 3:14

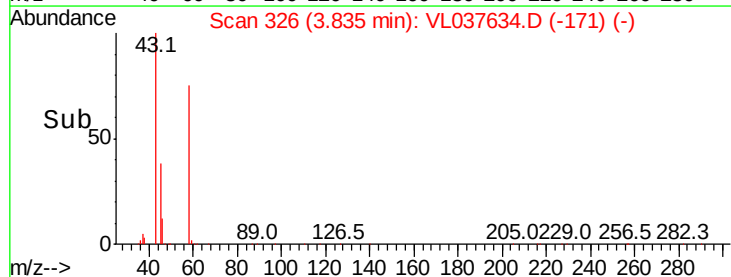
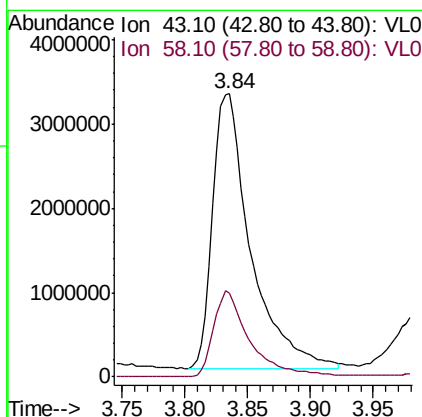
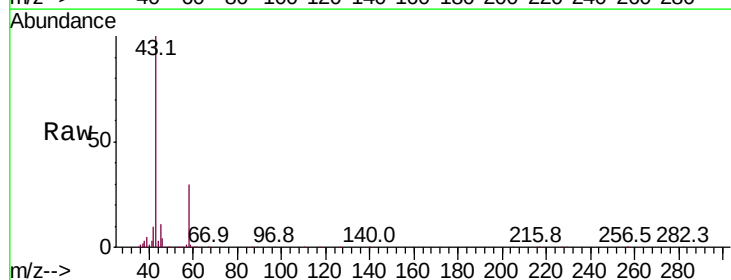
Instrument :
MSVOA_L
ClientSampleId :

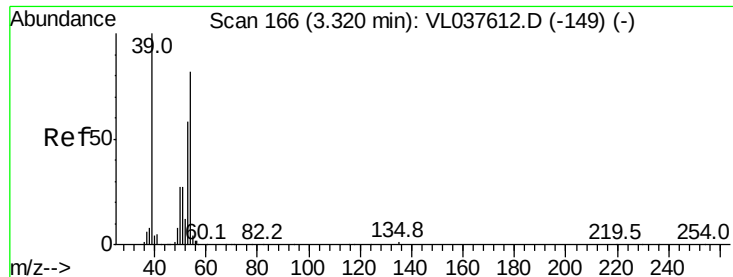
Tot Ion: 45 Resp: 48580903
Ion Ratio Lower Upper
45 100
46 51.4 17.2 68.8



#15
Acetone
Concen: 44.484 ppbv
RT: 3.84 min Scan# 326
Delta R.T. -0.00 min
Lab File: VL037634.D
Acq: 17 Sep 2021 3:14

Tgt Ion: 43 Resp: 6946848
Ion Ratio Lower Upper
43 100
58 29.8 24.9 37.3

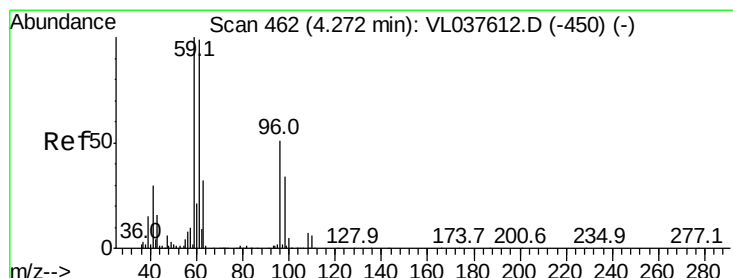
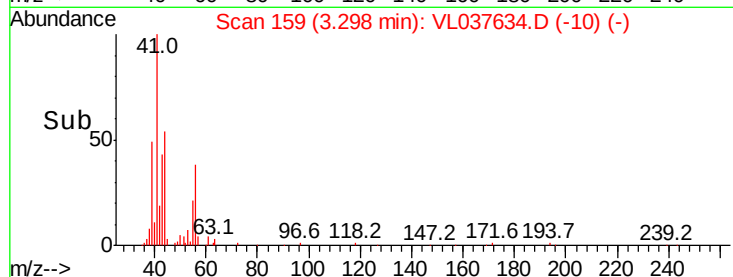
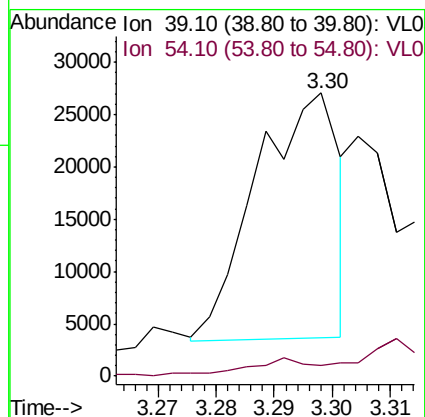
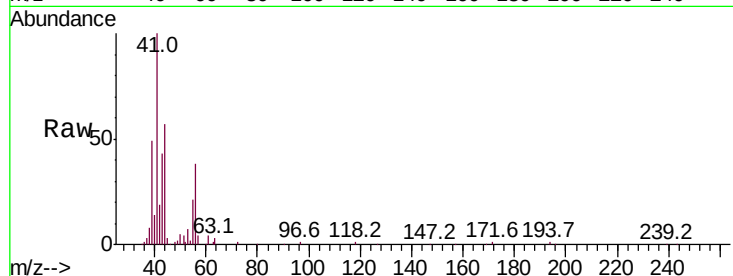




#16
1,3-Butadiene
Concen: 0.239 ppbv
RT: 3.30 min Scan# 159
Delta R.T. -0.02 min
Lab File: VL037634.D
Acq: 17 Sep 2021 3:14

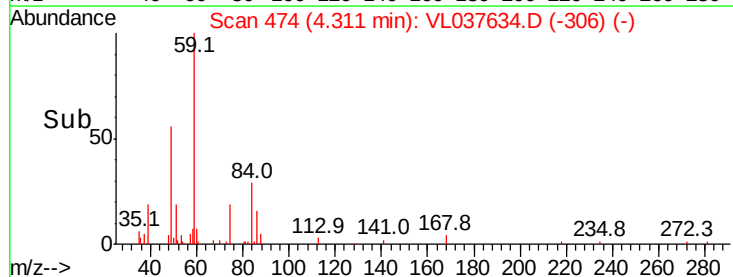
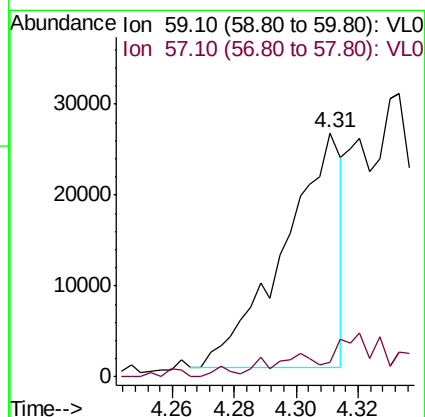
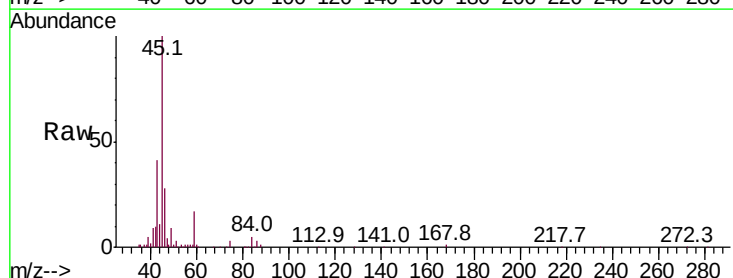
Instrument :
MSVOA_L
ClientSampleId :

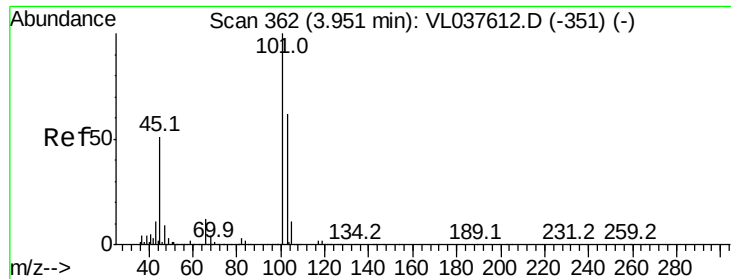
Tot Ion: 39 Resp: 23362
Ion Ratio Lower Upper
39 100
54 0.0 62.6 93.8#



#17
tert-Butyl alcohol
Concen: 0.251 ppbv
RT: 4.31 min Scan# 474
Delta R.T. 0.04 min
Lab File: VL037634.D
Acq: 17 Sep 2021 3:14

Tgt Ion: 59 Resp: 33245
Ion Ratio Lower Upper
59 100
57 34.3 8.4 12.6#





#19

Isopropyl Alcohol

Concen: 146.762 ppbv

RT: 4.00 min Scan# 377

Delta R.T. 0.05 min

Lab File: VL037634.D

Acq: 17 Sep 2021 3:14

Instrument :

MSVOA_L

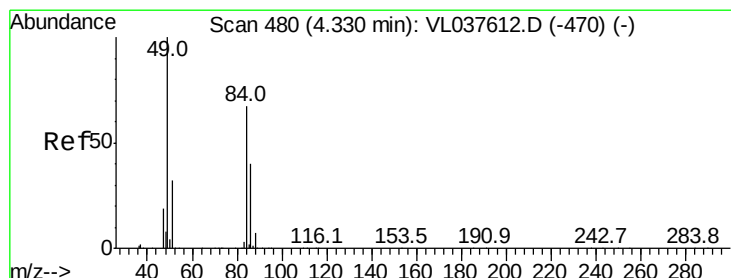
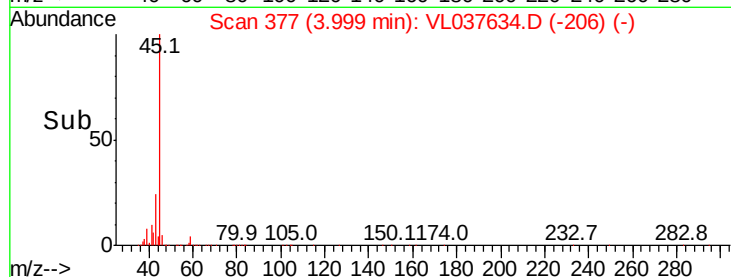
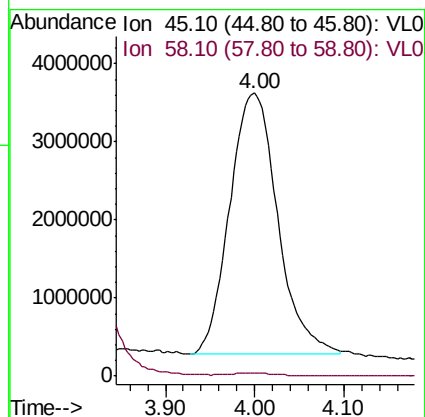
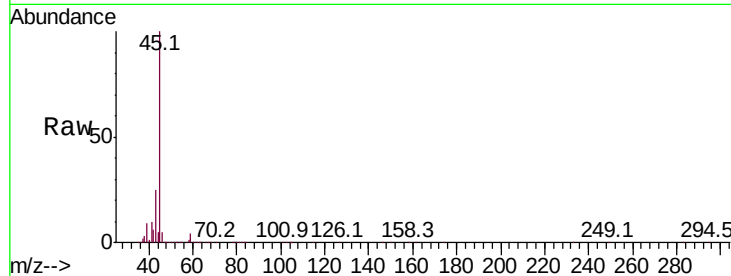
ClientSampleId :

Tot Ion: 45 Resp: 12470387

Ion Ratio Lower Upper

45 100

58 1.3 2.9 4.3#



#20

Methylene Chloride

Concen: 1.590 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL037634.D

Acq: 17 Sep 2021 3:14

Tgt Ion: 84 Resp: 118537

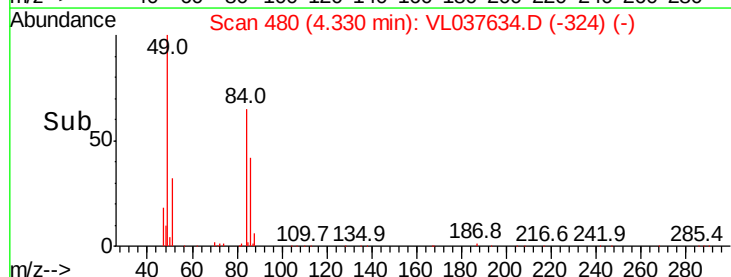
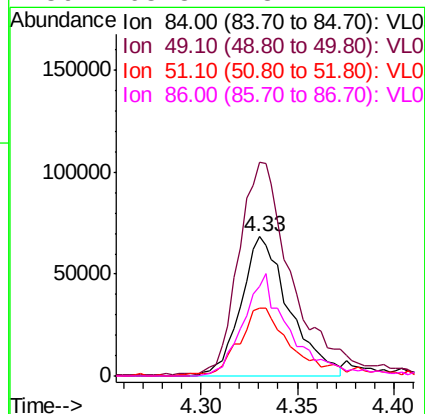
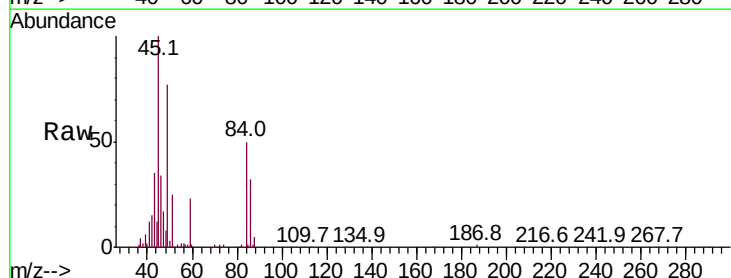
Ion Ratio Lower Upper

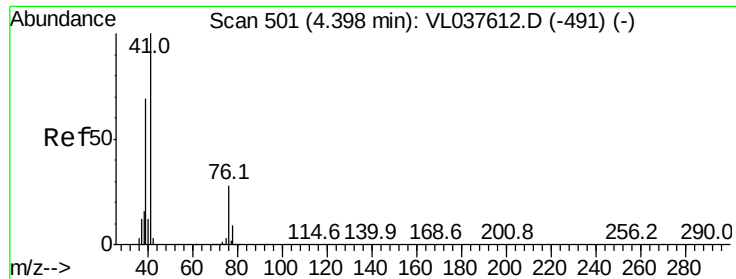
84 100

49 151.8 120.0 180.0

51 47.1 38.0 57.0

86 63.8 48.2 72.2

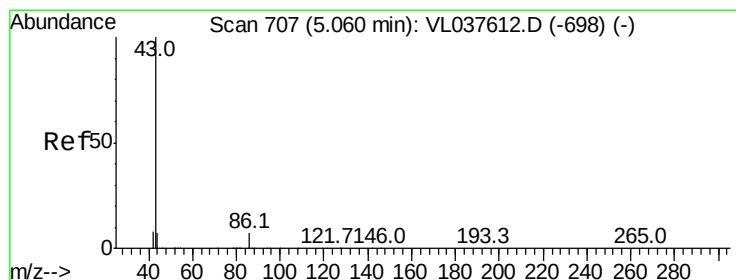
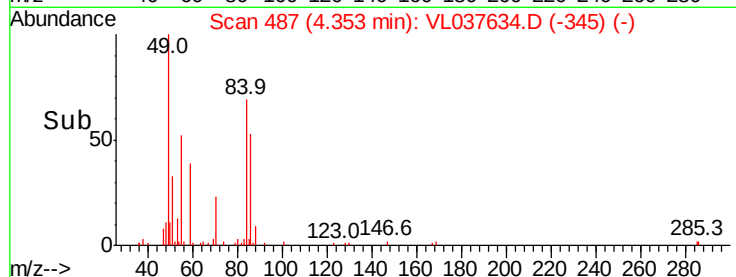
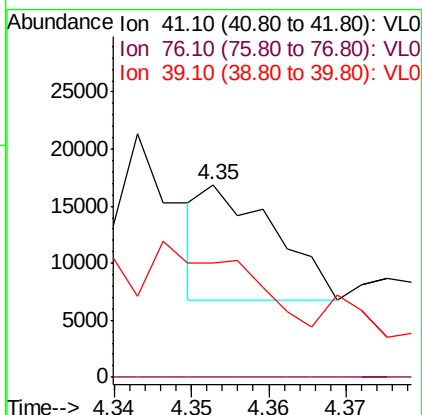
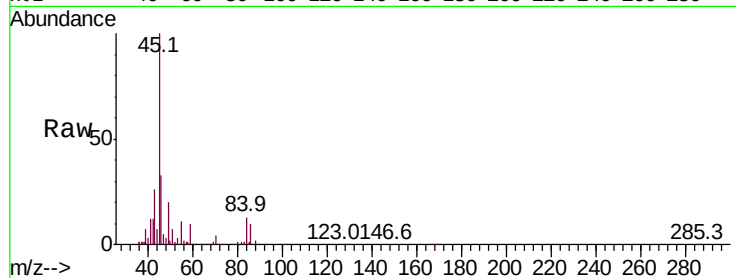




#21
Allvl Chloride
Concen: 0.056 ppbv
RT: 4.35 min Scan# 487
Delta R.T. -0.04 min
Lab File: VL037634.D
Acq: 17 Sep 2021 3:14

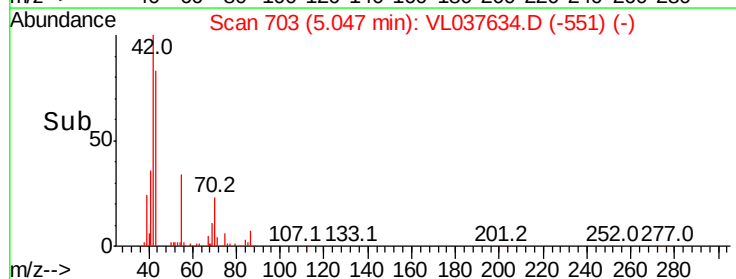
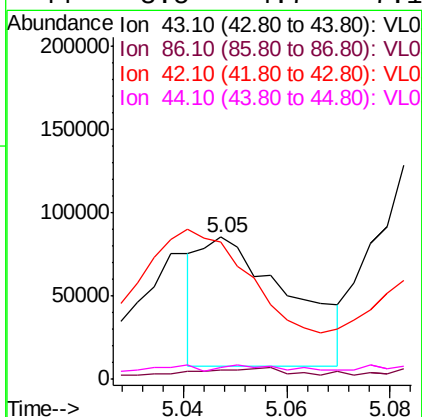
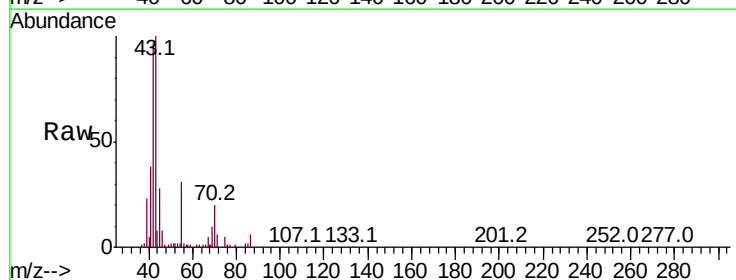
Instrument :
MSVOA_L
ClientSampleId :

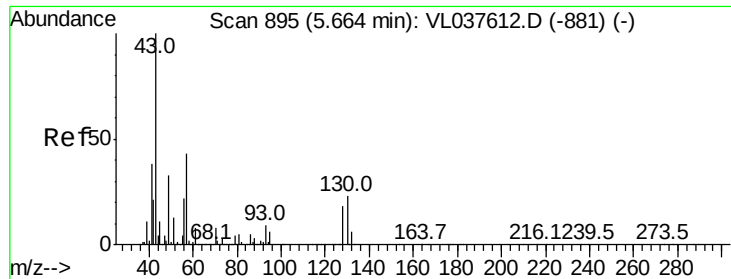
Tot Ion: 41 Resp: 6540
Ion Ratio Lower Upper
41 100
76 5.1 23.1 34.7#
39 636.5 61.0 91.6#



#23
Vinyl Acetate
Concen: 0.433 ppbv
RT: 5.05 min Scan# 703
Delta R.T. -0.01 min
Lab File: VL037634.D
Acq: 17 Sep 2021 3:14

Tgt Ion: 43 Resp: 93574
Ion Ratio Lower Upper
43 100
86 2.5 5.0 7.6#
42 130.2 7.5 11.3#
44 3.5 4.7 7.1#





#25

Ethyl Acetate

Concen: 3.350 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

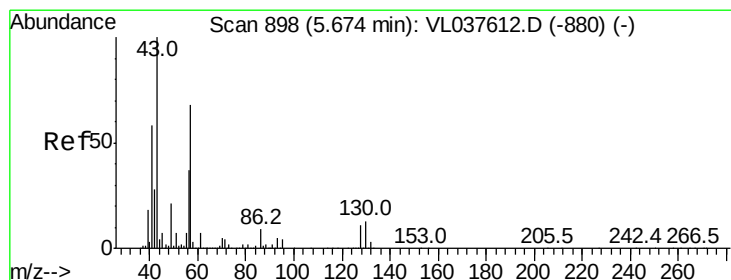
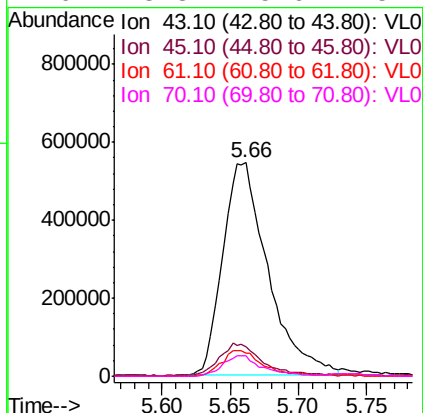
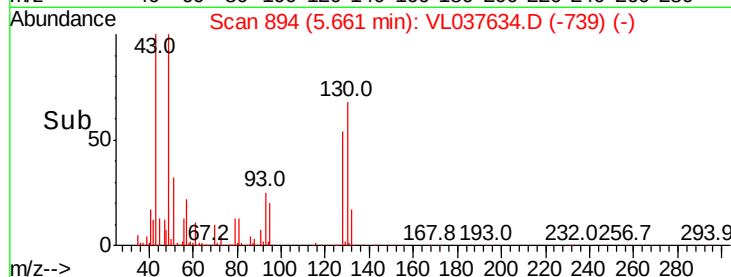
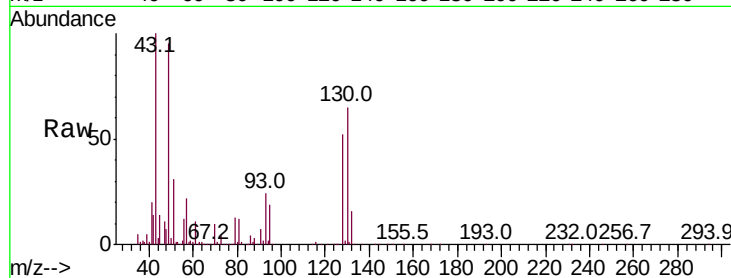
Lab File: VL037634.D

Acq: 17 Sep 2021 3:14

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1267036

Ion	Ratio	Lower	Upper
43	100		
45	14.7	8.0	12.0#
61	11.6	7.5	11.3#
70	8.8	5.6	8.4#



#26

Hexane

Concen: 1.826 ppbv

RT: 5.67 min Scan# 897

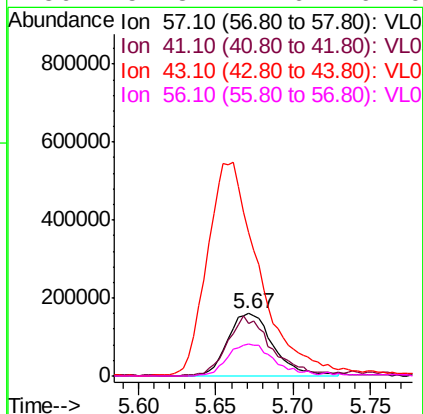
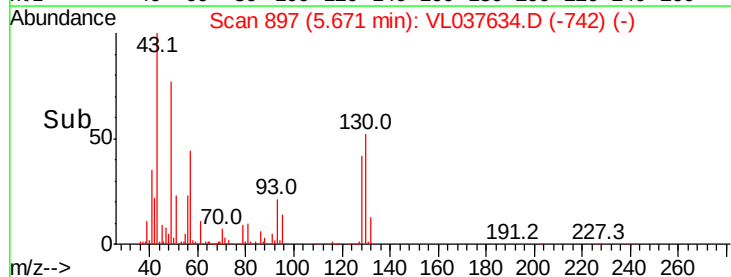
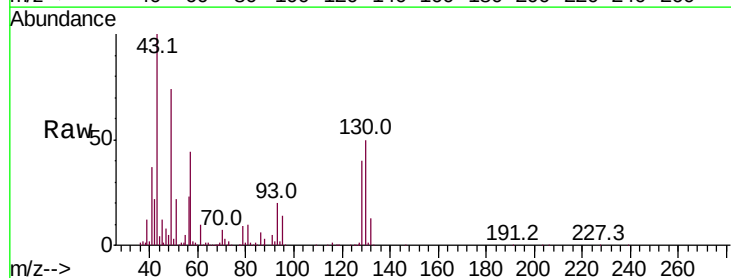
Delta R.T. -0.00 min

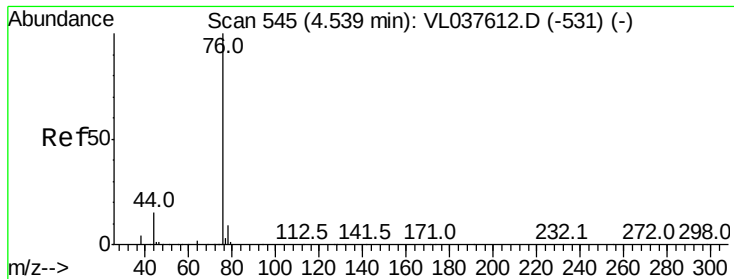
Lab File: VL037634.D

Acq: 17 Sep 2021 3:14

Tgt Ion: 57 Resp: 327989

Ion	Ratio	Lower	Upper
57	100		
41	93.2	70.9	106.3
43	399.1	170.4	255.6#
56	57.8	42.6	64.0





#27

Carbon Disulfide

Concen: 0.033 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.01 min

Lab File: VL037634.D

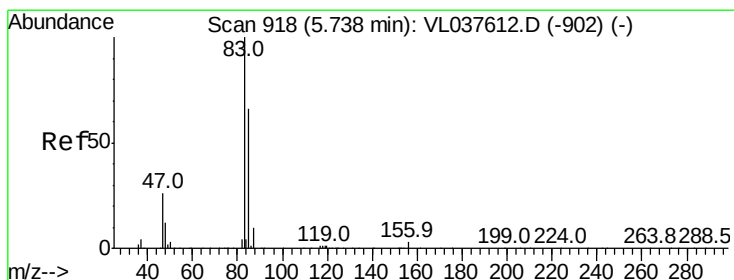
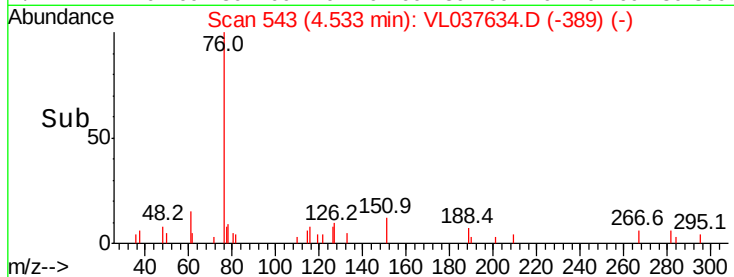
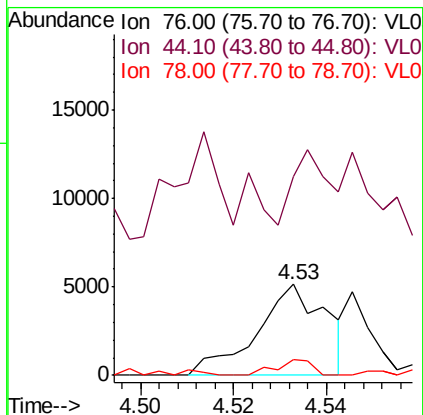
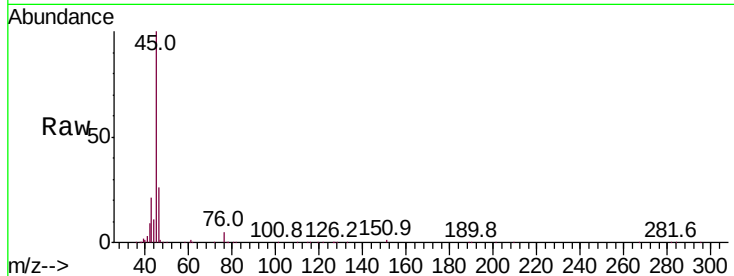
Acq: 17 Sep 2021 3:14

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	76	Resp:	5344
Ion	Ratio	Lower	Upper
76	100		
44	142.5	14.2	21.2#
78	9.0	7.4	11.0



#29

Chloroform

Concen: 5.282 ppbv

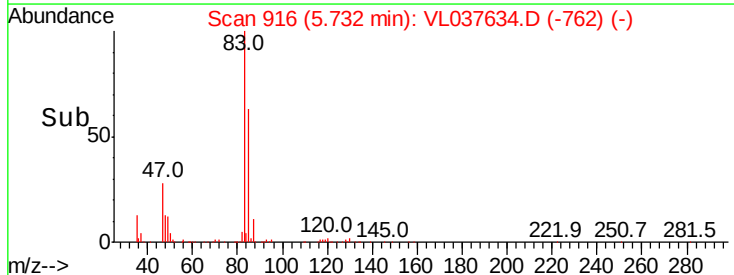
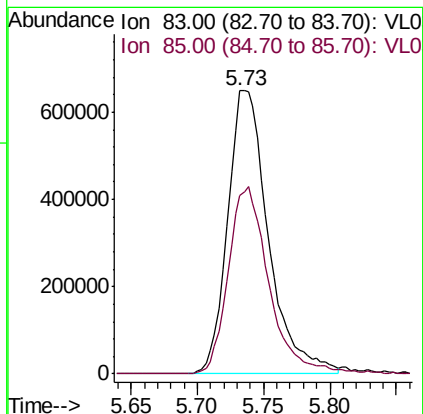
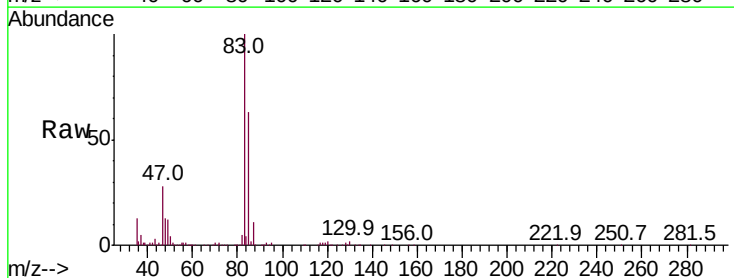
RT: 5.73 min Scan# 916

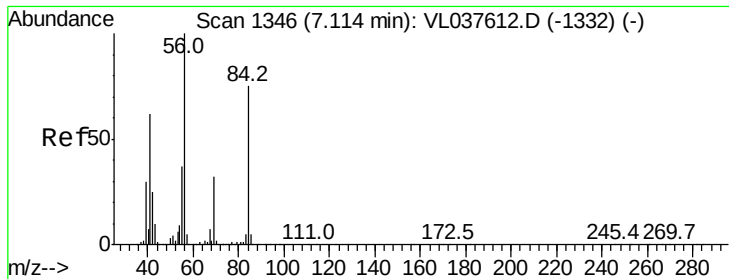
Delta R.T. -0.01 min

Lab File: VL037634.D

Acq: 17 Sep 2021 3:14

Tgt Ion:	83	Resp:	1385743
Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.6	79.0





#30

Cyclohexane

Concen: 0.190 ppbv

RT: 7.11 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VL037634.D

Acq: 17 Sep 2021 3:14

Instrument :
MSVOA_L
ClientSampleId :

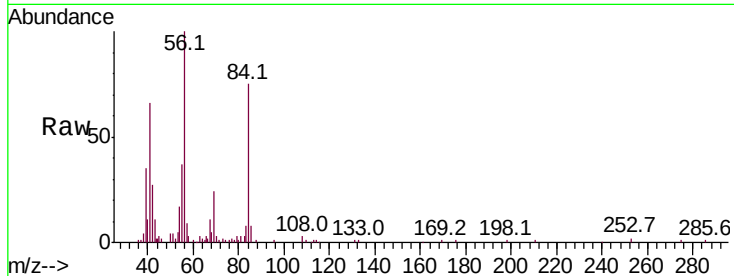
Tot Ion: 84 Resp: 29271

Ion Ratio Lower Upper

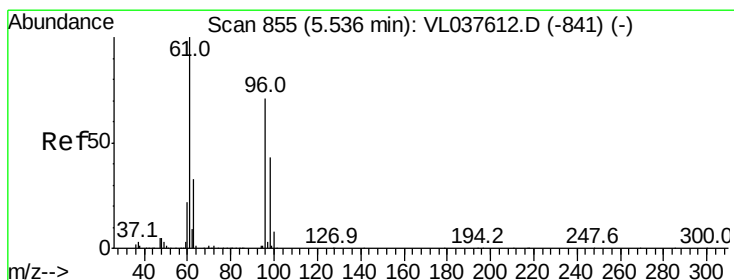
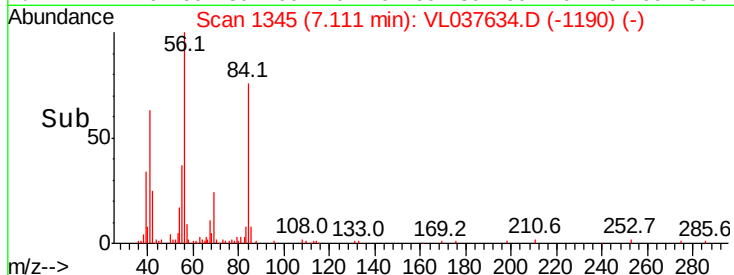
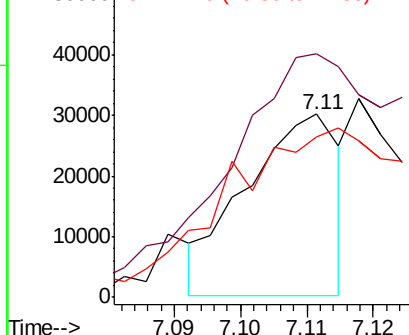
84 100

56 259.2 113.6 170.4#

41 205.9 67.9 101.9#



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0



#31

cis-1,2-Dichloroethene

Concen: 0.807 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.12 min

Lab File: VL037634.D

Acq: 17 Sep 2021 3:14

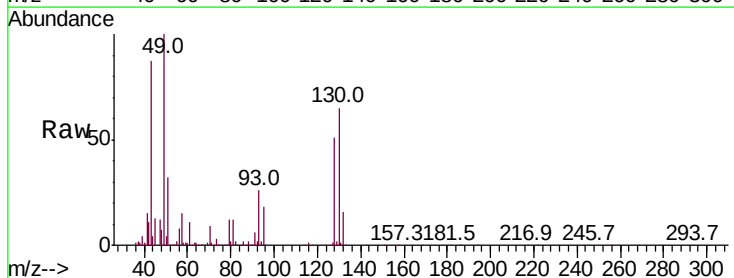
Tgt Ion: 61 Resp: 131605

Ion Ratio Lower Upper

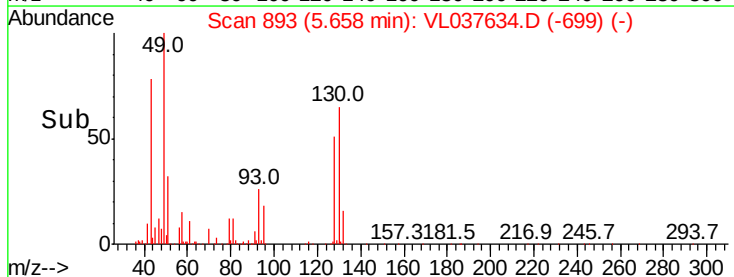
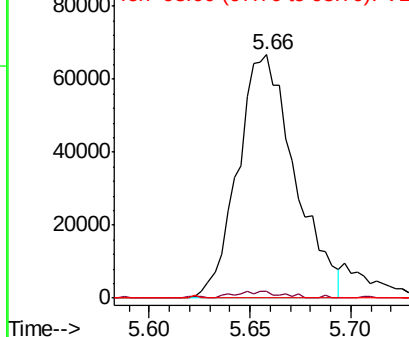
61 100

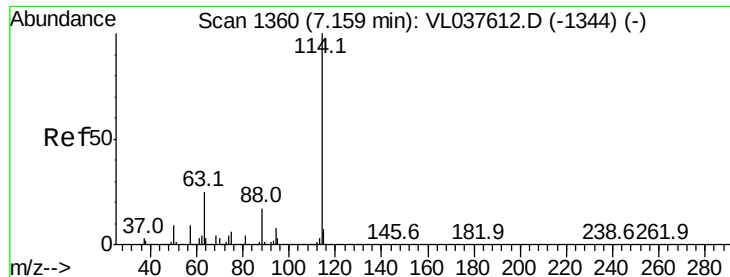
96 2.7 56.7 85.1#

98 0.0 34.6 52.0#



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VL037634.D

Acq: 17 Sep 2021 3:14

Instrument :

MSVOA_L

ClientSampleId :

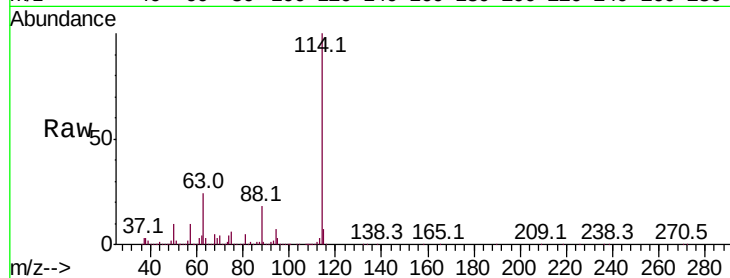
Tot Ion:114 Resp: 4283048

Ion Ratio Lower Upper

114 100

63 24.2 19.6 29.4

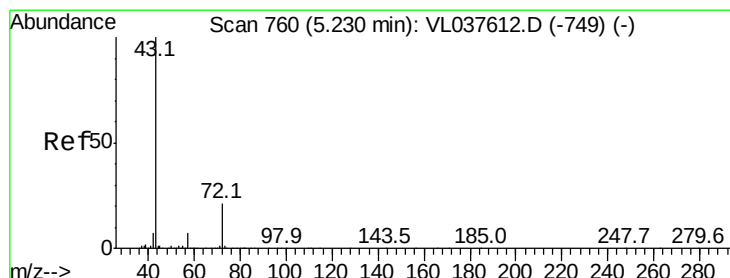
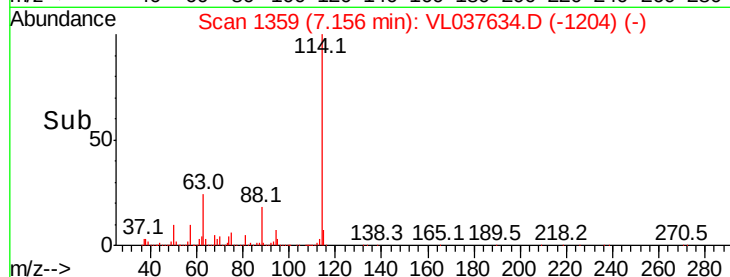
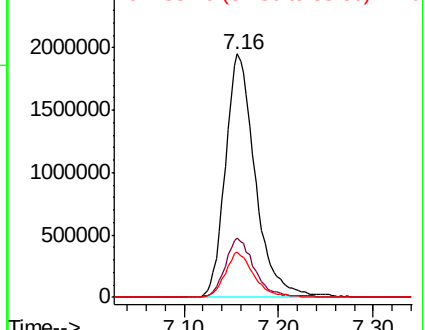
88 17.9 14.2 21.4



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: 2.875 ppbv

RT: 5.23 min Scan# 760

Delta R.T. 0.00 min

Lab File: VL037634.D

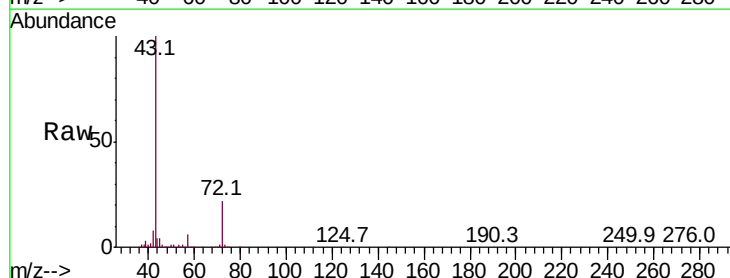
Acq: 17 Sep 2021 3:14

Tgt Ion: 43 Resp: 500407

Ion Ratio Lower Upper

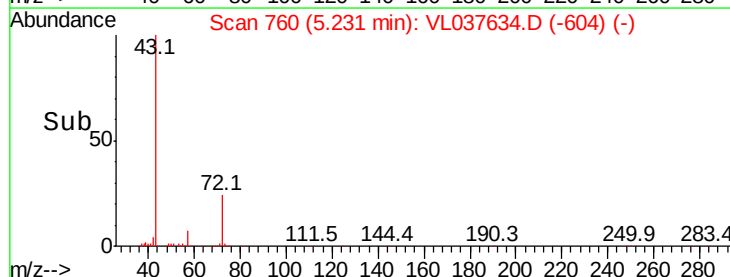
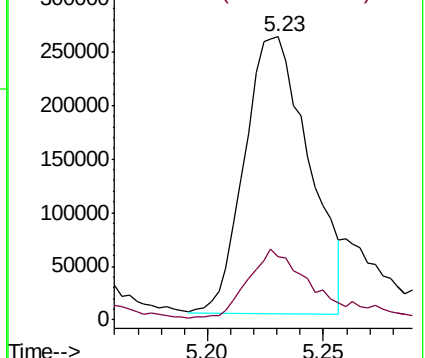
43 100

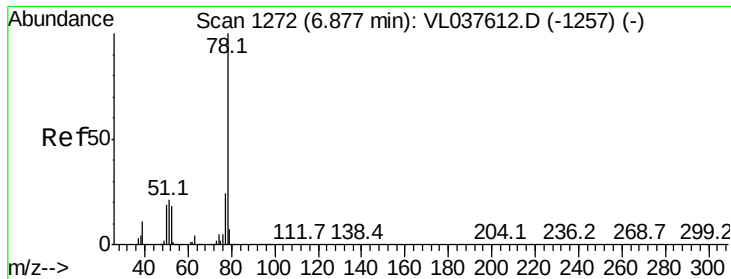
72 29.5 18.4 27.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

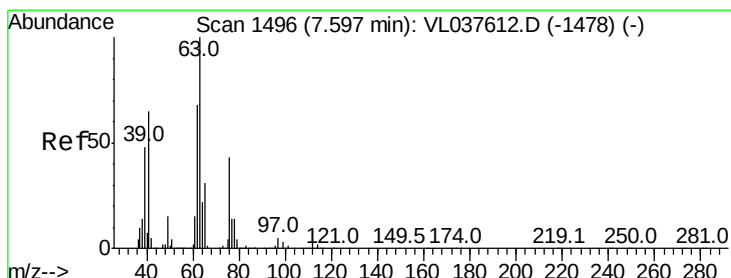
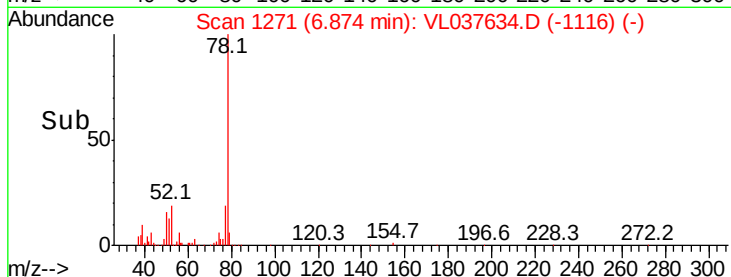
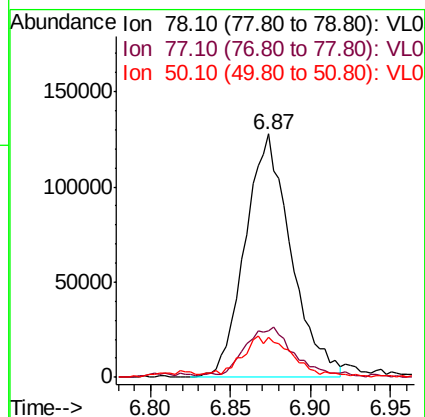
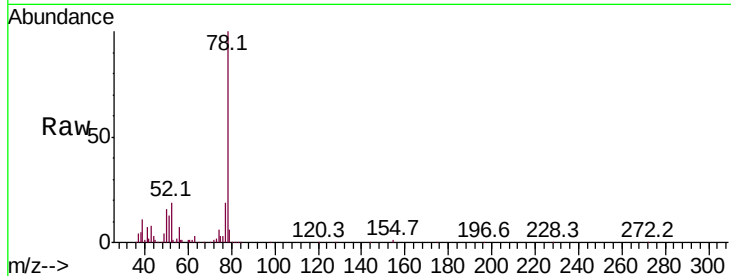




#36
Benzene
Concen: 0.704 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VL037634.D
Acq: 17 Sep 2021 3:14

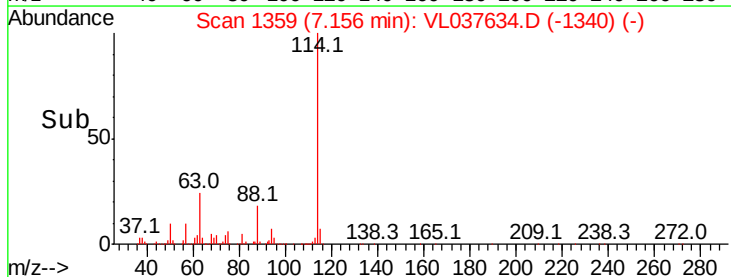
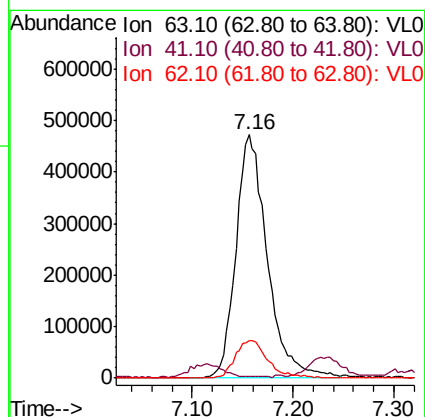
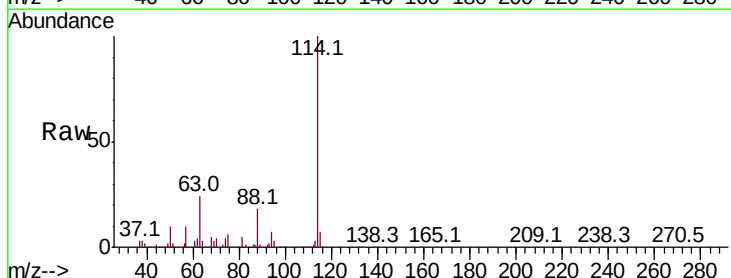
Instrument :
MSVOA_L
ClientSampleId :

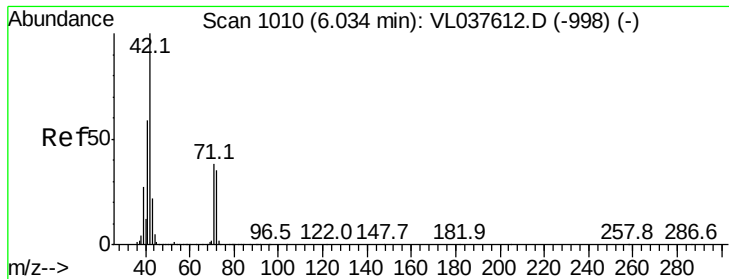
Tot Ion: 78 Resp: 251592
Ion Ratio Lower Upper
78 100
77 18.0 19.0 28.4#
50 15.1 14.8 22.2



#39
1,2-Dichloropropane
Concen: 7.464 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.44 min
Lab File: VL037634.D
Acq: 17 Sep 2021 3:14

Tgt Ion: 63 Resp: 1020982
Ion Ratio Lower Upper
63 100
41 0.0 51.6 77.4#
62 15.4 54.6 81.8#

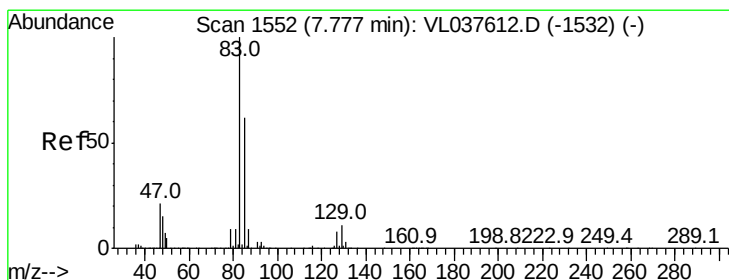
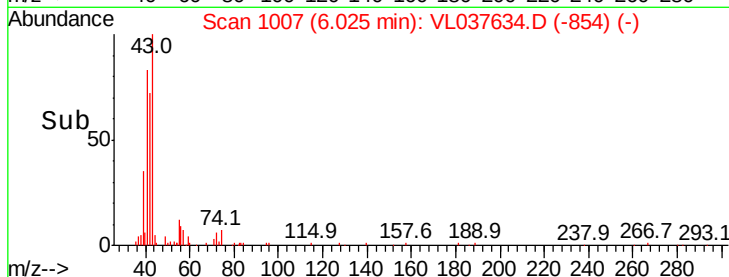
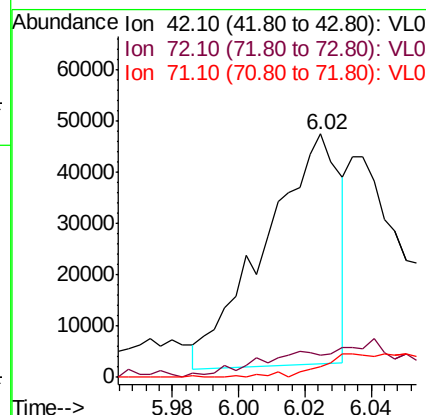
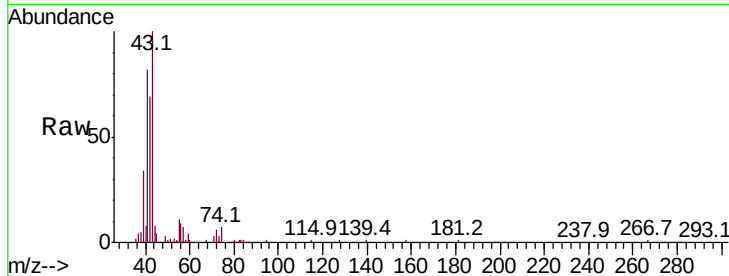




#41
Tetrahydrofuran
Concen: 0.865 ppbv
RT: 6.02 min Scan# 1007
Delta R.T. -0.01 min
Lab File: VL037634.D
Acq: 17 Sep 2021 3:14

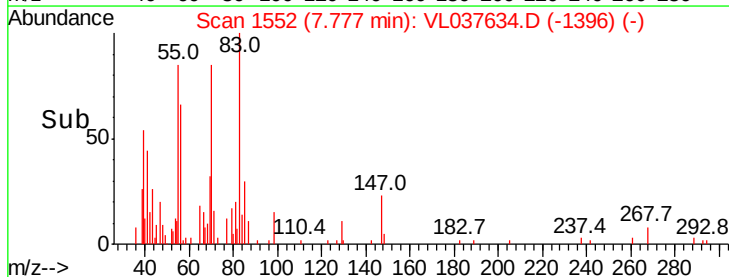
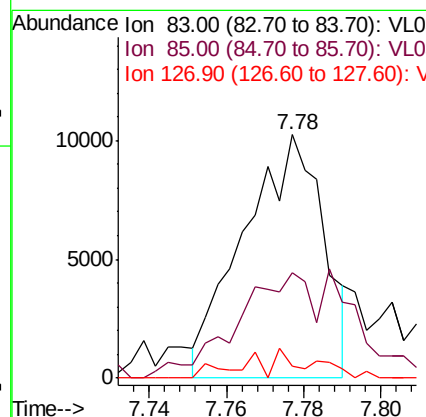
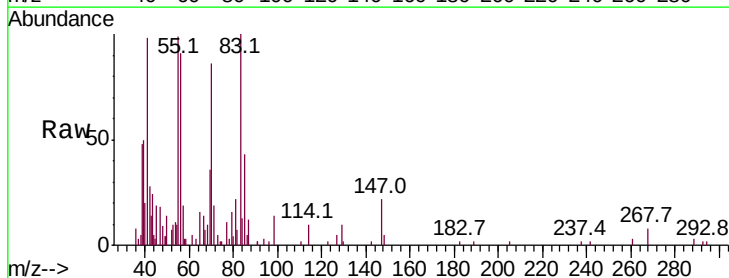
Instrument :
MSVOA_L
ClientSampleId :

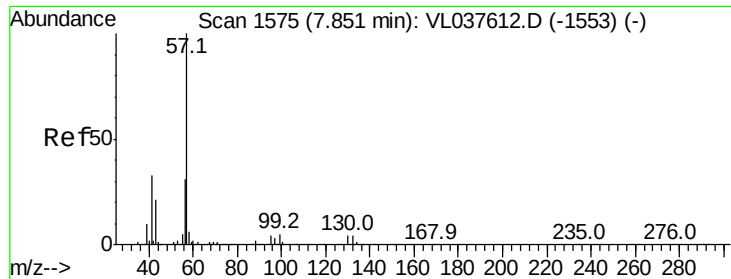
Tot Ion: 42 Resp: 70755
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.2#
71 0.0 30.6 46.0#



#42
Bromodichloromethane
Concen: 0.058 ppbv
RT: 7.78 min Scan# 1552
Delta R.T. 0.00 min
Lab File: VL037634.D
Acq: 17 Sep 2021 3:14

Tgt Ion: 83 Resp: 14687
Ion Ratio Lower Upper
83 100
85 43.2 49.8 74.6#
127 5.4 6.4 9.6#





#44

2,2,4-Trimethylpentane

Concen: 0.541 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VL037634.D

Acq: 17 Sep 2021 3:14

Instrument :

MSVOA_L

ClientSampleId :

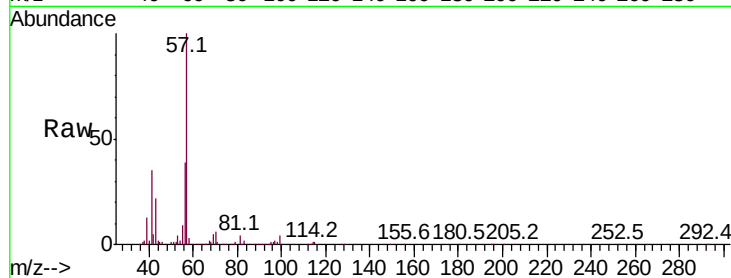
Tot Ion: 57 Resp: 325038

Ion Ratio Lower Upper

57 100

41 41.0 26.1 39.1#

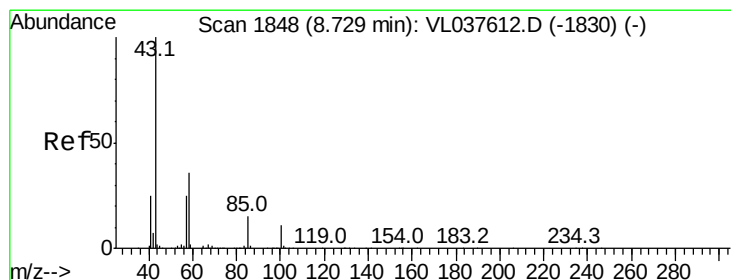
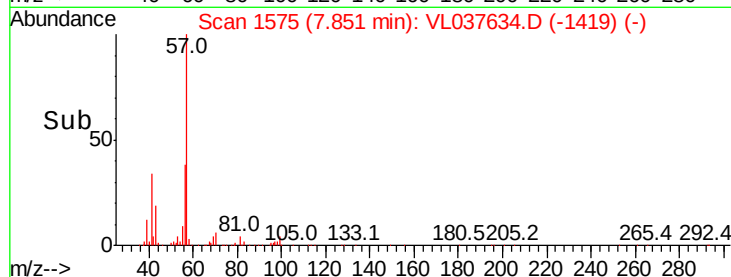
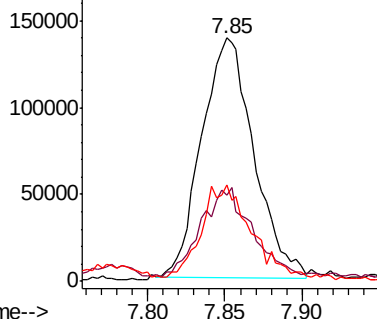
56 39.1 25.7 38.5#



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#50

4-Methyl-2-Pentanone

Concen: 0.079 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VL037634.D

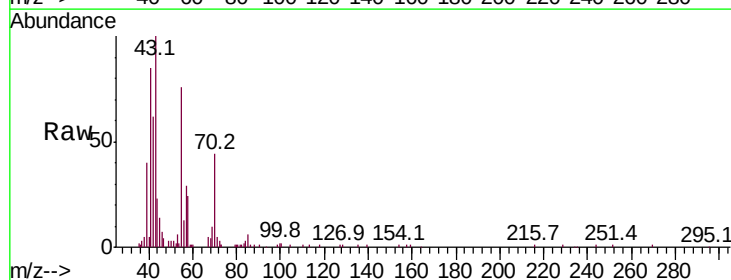
Acq: 17 Sep 2021 3:14

Tgt Ion: 43 Resp: 17463

Ion Ratio Lower Upper

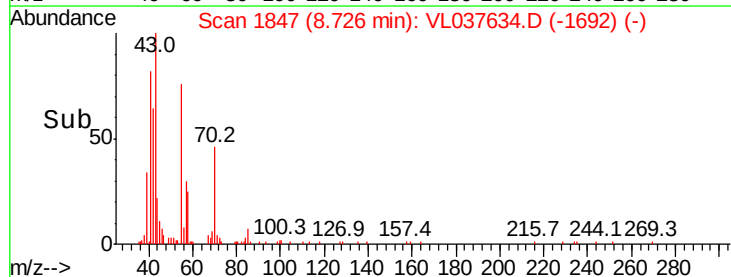
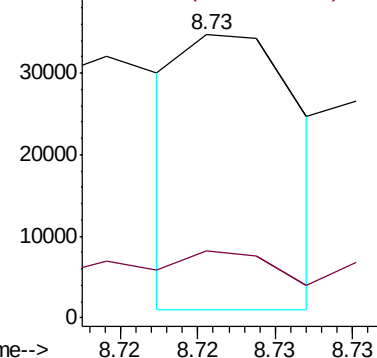
43 100

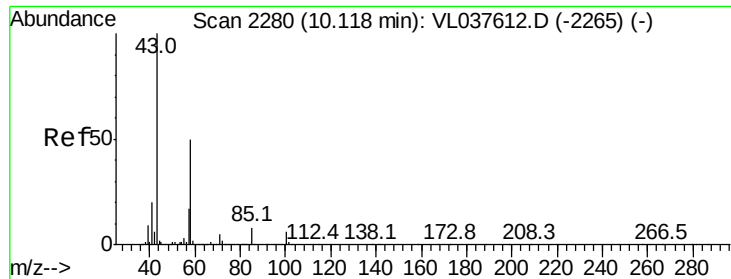
58 137.4 29.4 44.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

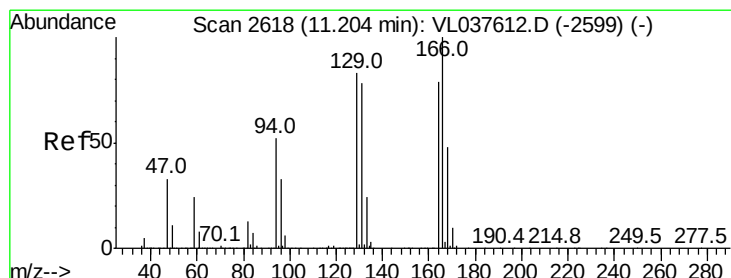
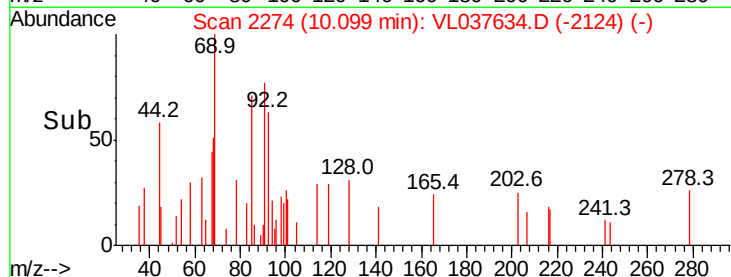
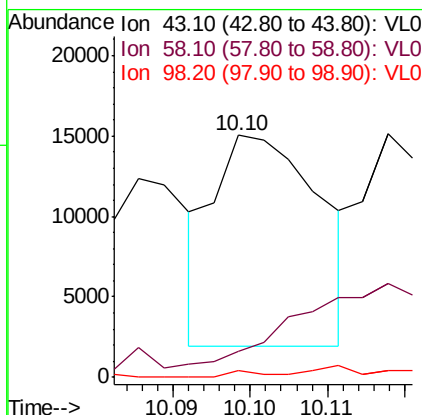
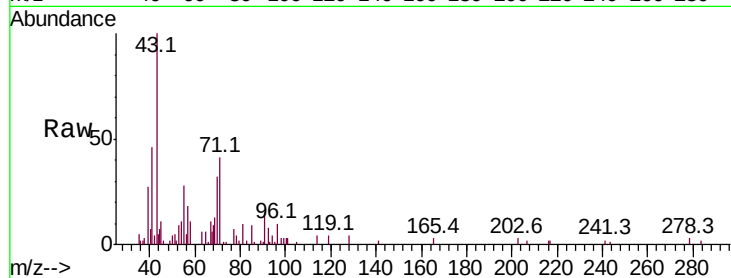




#51
2-Hexanone
Concen: 0.128 ppbv
RT: 10.10 min Scan# 2274
Delta R.T. -0.02 min
Lab File: VL037634.D
Acq: 17 Sep 2021 3:14

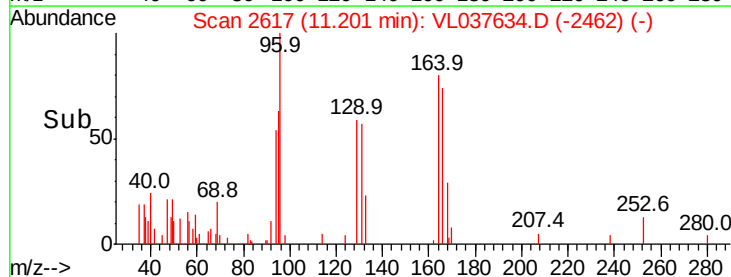
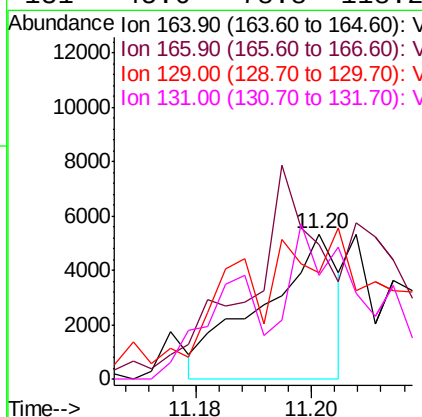
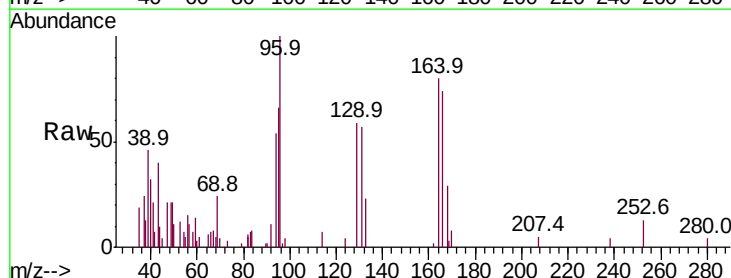
Instrument :
MSVOA_L
ClientSampled :

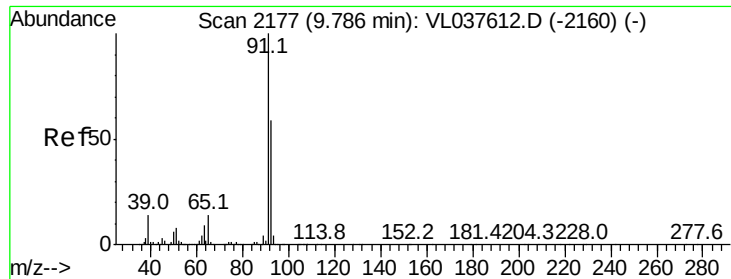
Tot Ion: 43 Resp: 12466
Ion Ratio Lower Upper
43 100
58 0.0 39.3 58.9#
98 6.6 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.035 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.00 min
Lab File: VL037634.D
Acq: 17 Sep 2021 3:14

Tgt Ion: 164 Resp: 4845
Ion Ratio Lower Upper
164 100
166 82.7 101.2 151.8#
129 70.4 84.0 126.0#
131 45.6 78.8 118.2#





#53

Toluene

Concen: 4.816 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037634.D

Acq: 17 Sep 2021 3:14

Instrument :

MSVOA_L

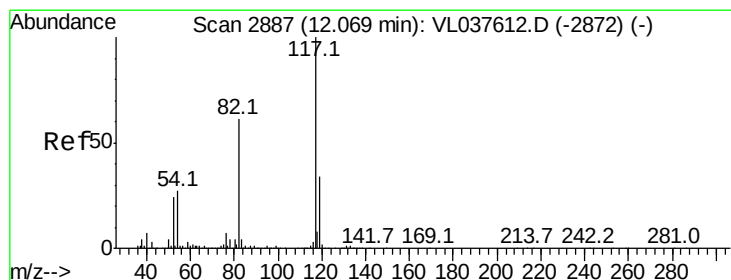
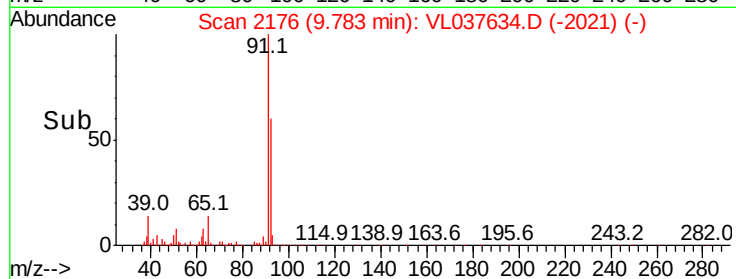
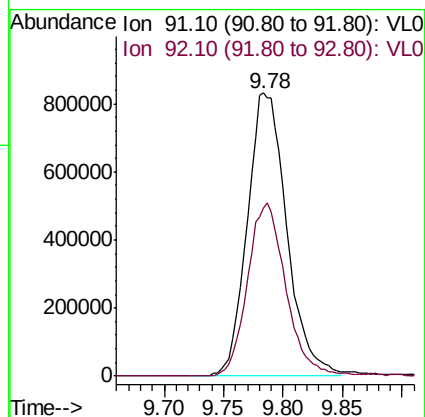
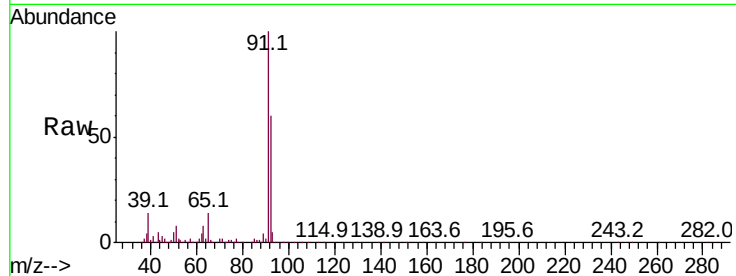
ClientSampleId :

Tot Ion: 91 Resp: 1911820

Ion Ratio Lower Upper

91 100

92 60.4 48.9 73.3



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VL037634.D

Acq: 17 Sep 2021 3:14

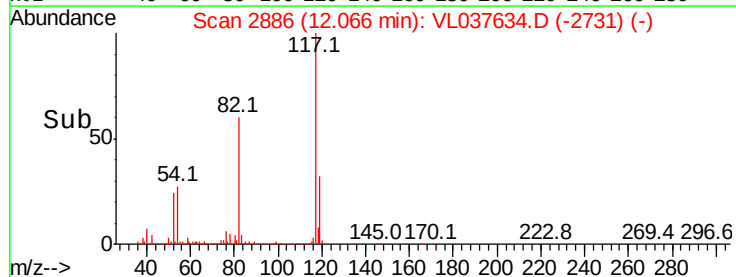
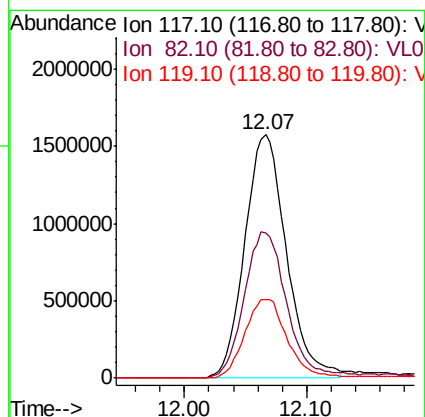
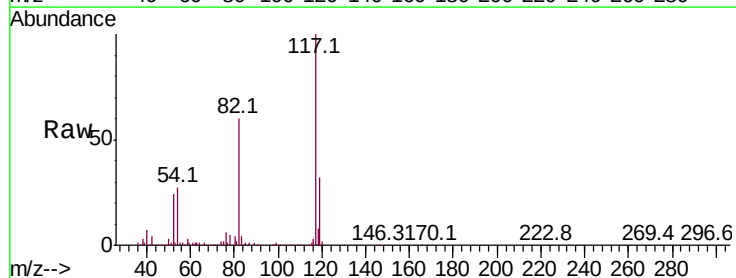
Tgt Ion: 117 Resp: 3711775

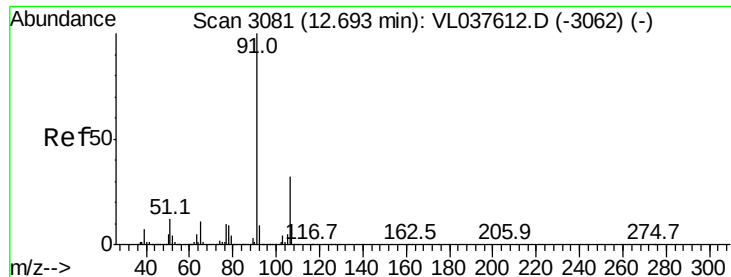
Ion Ratio Lower Upper

117 100

82 61.5 50.6 75.8

119 34.6 26.2 39.2





#58

Ethyl Benzene

Concen: 0.792 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. -0.00 min

Lab File: VL037634.D

Acq: 17 Sep 2021 3:14

Instrument :

MSVOA_L

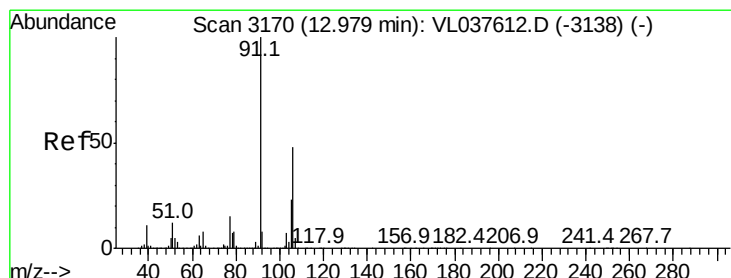
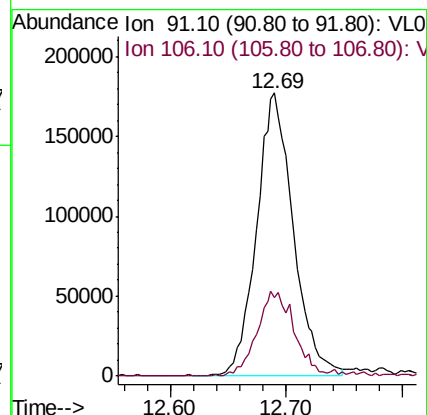
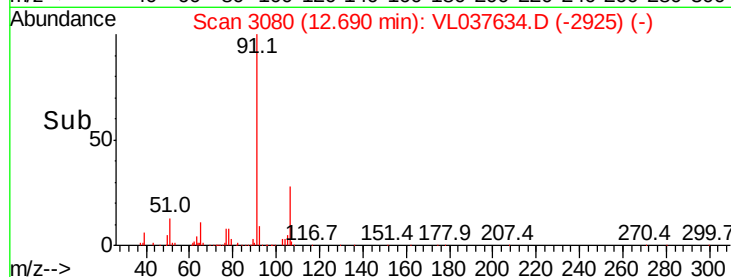
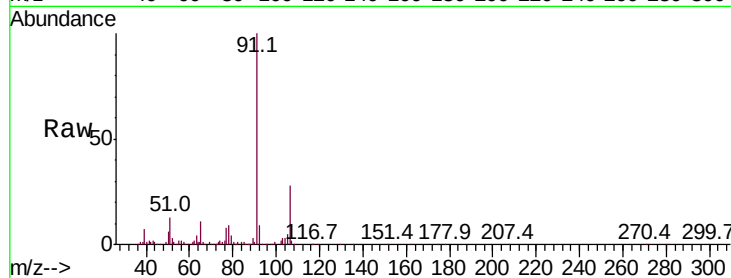
ClientSampleId :

Tot Ion: 91 Resp: 390371

Ion Ratio Lower Upper

91 100

106 27.9 25.3 37.9



#59

m/p-Xylene

Concen: 0.666 ppbv

RT: 12.98 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VL037634.D

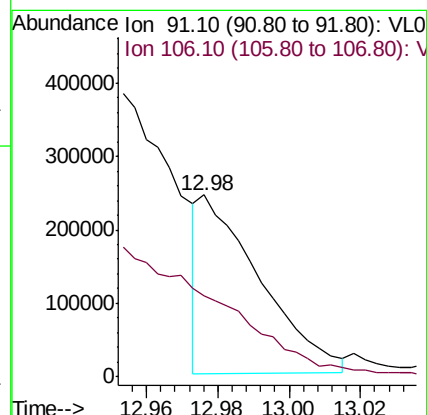
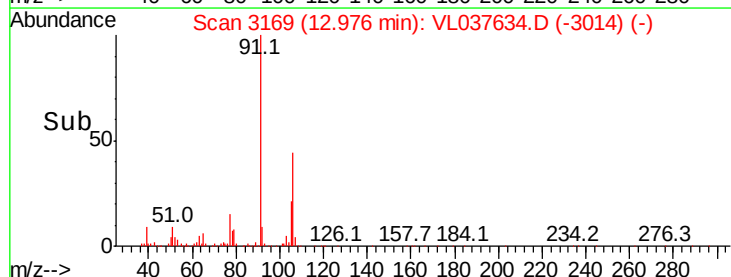
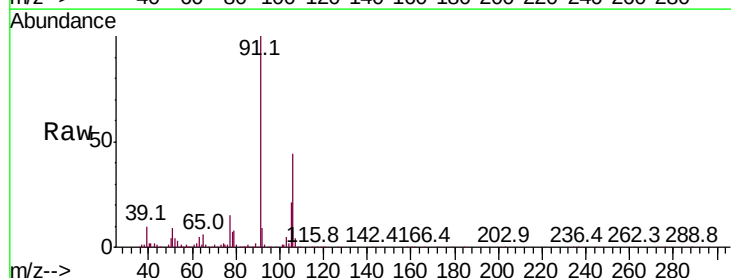
Acq: 17 Sep 2021 3:14

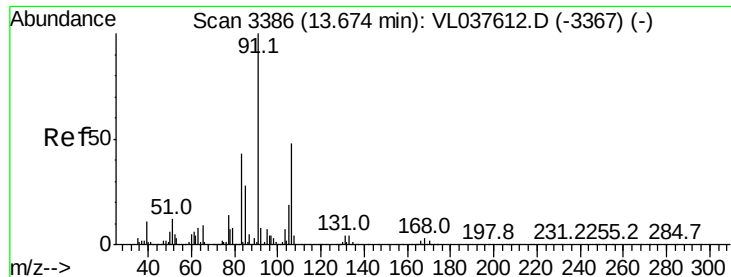
Tgt Ion: 91 Resp: 286099

Ion Ratio Lower Upper

91 100

106 0.0 36.6 55.0#

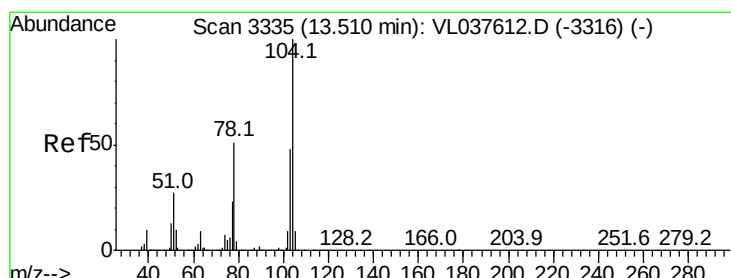
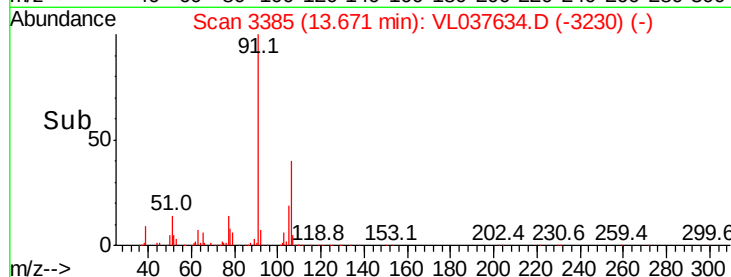
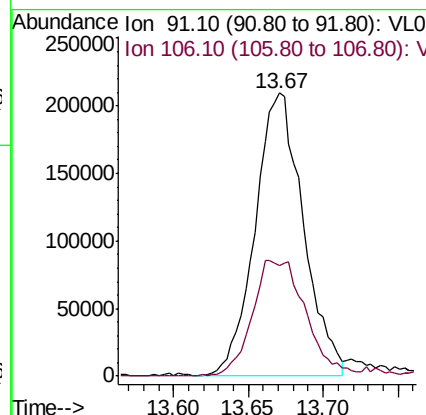
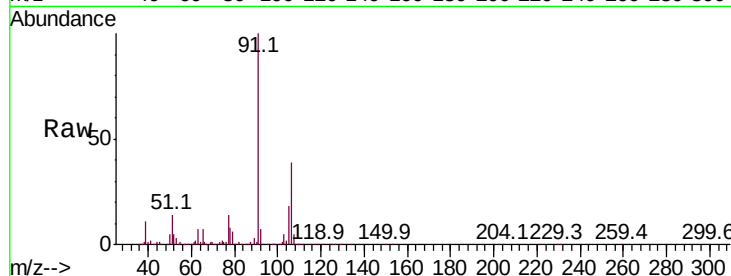




#60
o-Xylene
Concen: 1.147 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037634.D
Acq: 17 Sep 2021 3:14

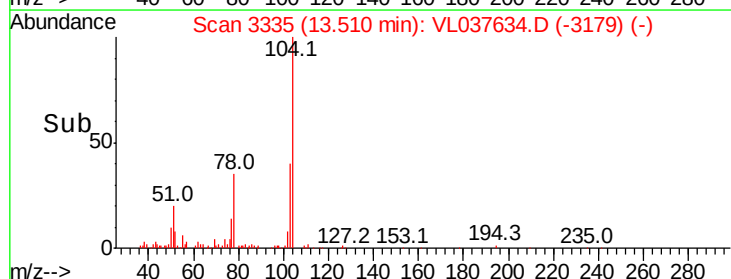
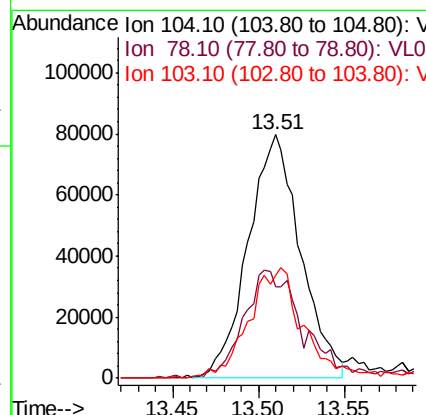
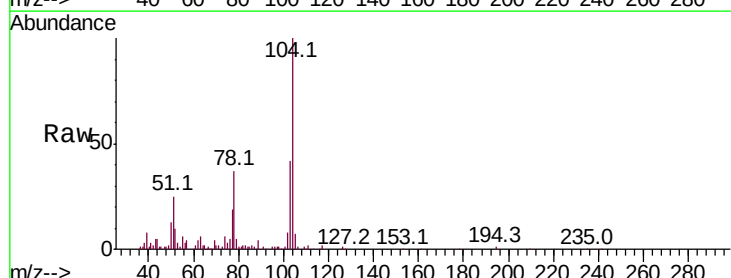
Instrument :
MSVOA_L
ClientSampled :

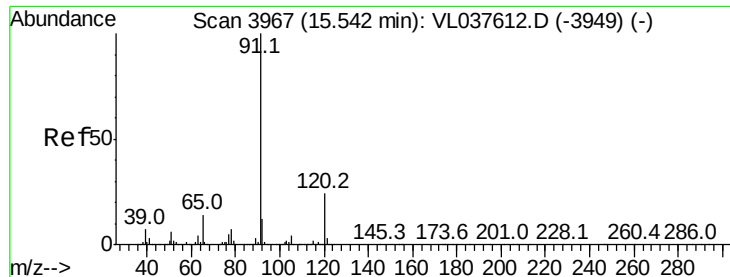
Tot Ion: 91 Resp: 468753
Ion Ratio Lower Upper
91 100
106 47.5 23.0 69.0



#61
Styrene
Concen: 0.839 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. 0.00 min
Lab File: VL037634.D
Acq: 17 Sep 2021 3:14

Tgt Ion: 104 Resp: 169036
Ion Ratio Lower Upper
104 100
78 49.6 39.7 59.5
103 48.6 38.8 58.2





#64

n-propylbenzene

Concen: 0.068 ppbv

RT: 15.54 min Scan# 3965

Delta R.T. -0.01 min

Lab File: VL037634.D

Acq: 17 Sep 2021 3:14

Instrument :

MSVOA_L

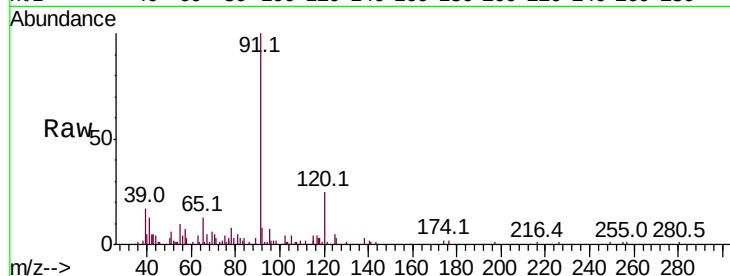
ClientSampleId :

Tot Ion:120 Resp: 10057

Ion Ratio Lower Upper

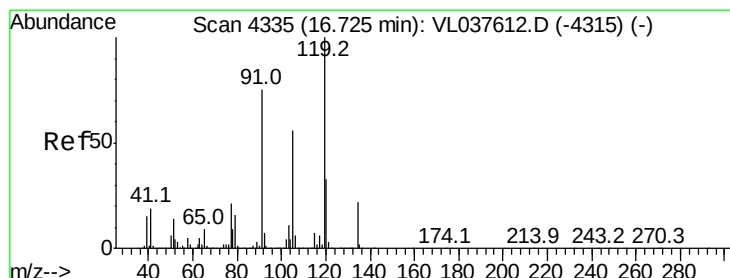
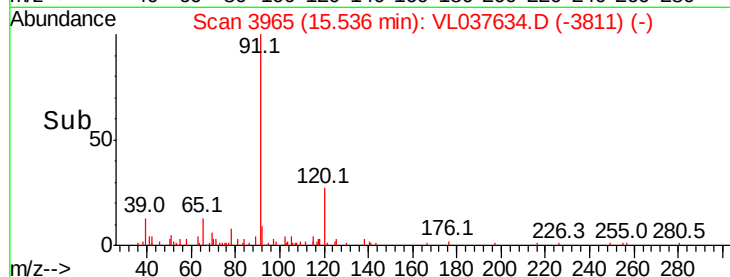
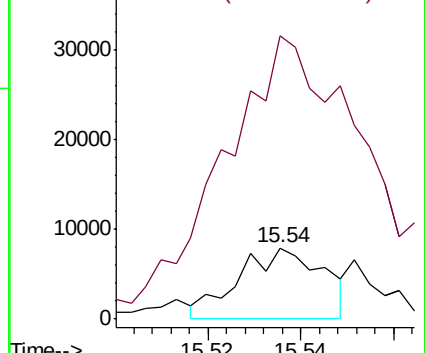
120 100

91 753.1 345.0 517.4#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.035 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. 0.01 min

Lab File: VL037634.D

Acq: 17 Sep 2021 3:14

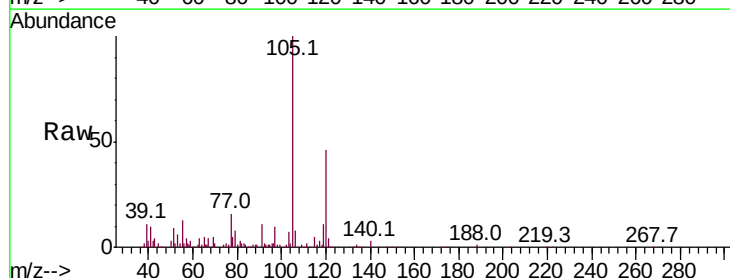
Tgt Ion:119 Resp: 17809

Ion Ratio Lower Upper

119 100

91 0.0 61.9 92.9#

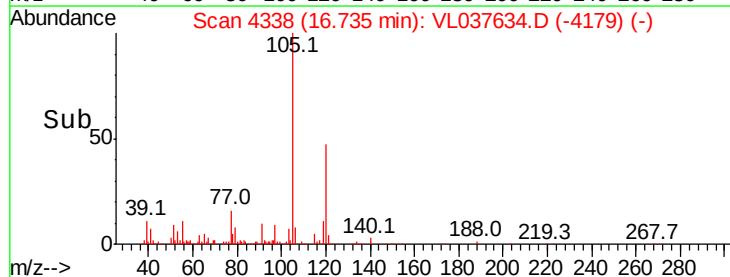
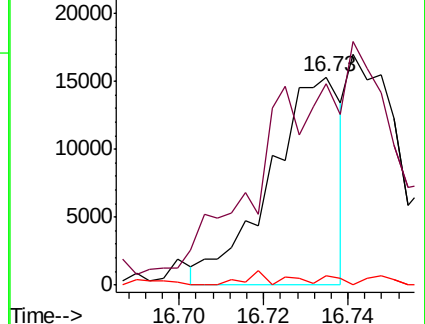
134 4.5 16.5 24.7#

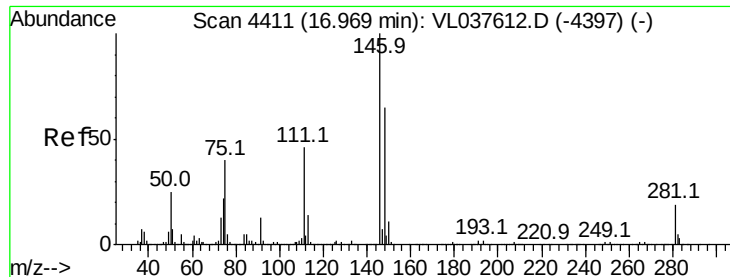


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

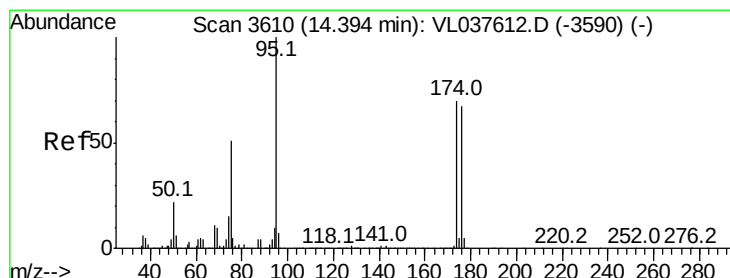
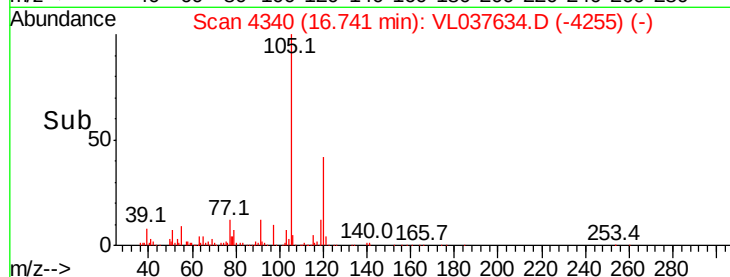
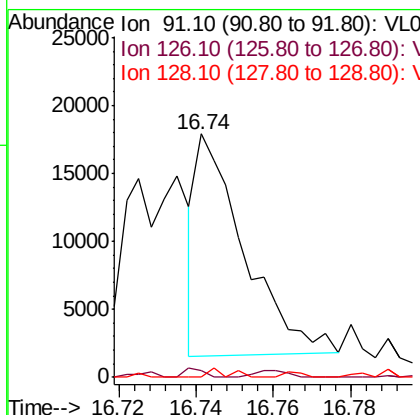
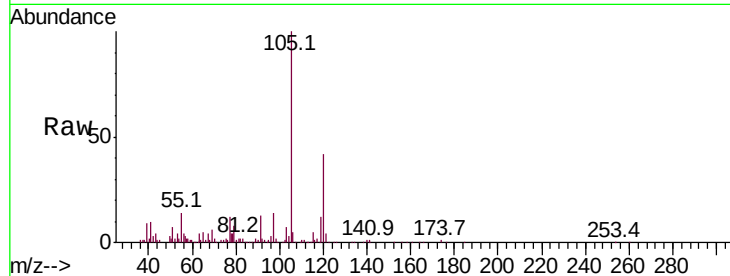




#66
Benzyl Chloride
Concen: 0.498 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. -0.23 min
Lab File: VL037634.D
Acq: 17 Sep 2021 3:14

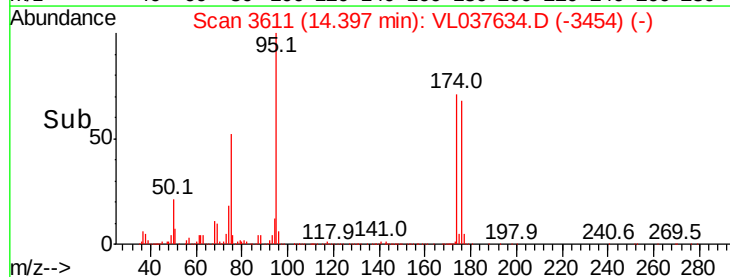
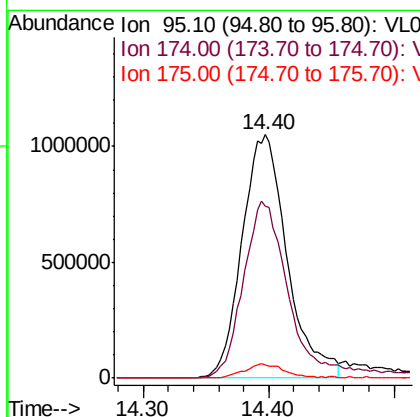
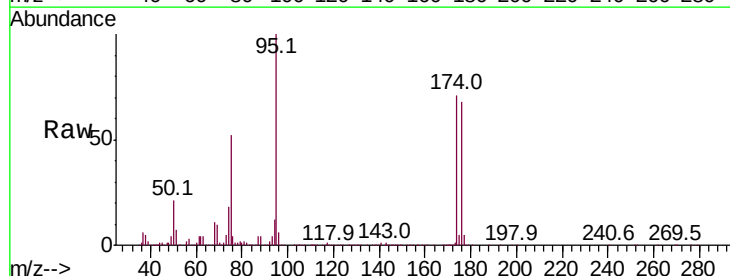
Instrument :
MSVOA_L
ClientSampleId :

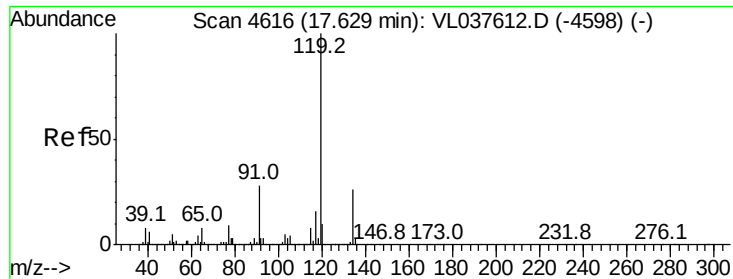
Tot Ion: 91 Resp: 14009
Ion Ratio Lower Upper
91 100
126 2.2 14.4 21.6#
128 4.5 5.7 8.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.807 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. 0.00 min
Lab File: VL037634.D
Acq: 17 Sep 2021 3:14

Tgt Ion: 95 Resp: 2630700
Ion Ratio Lower Upper
95 100
174 77.1 56.3 84.5
175 5.3 4.4 6.6

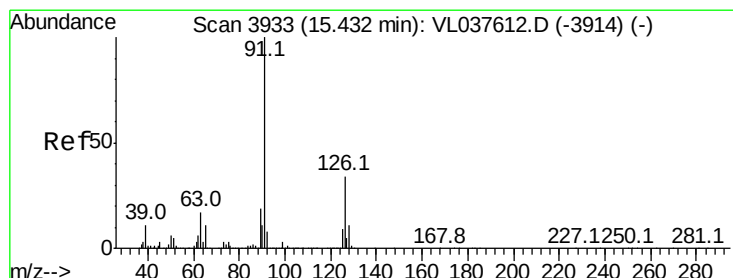
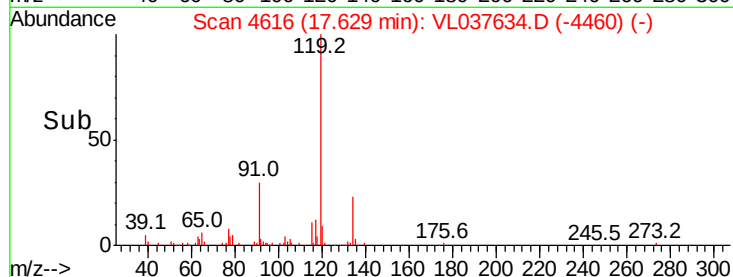
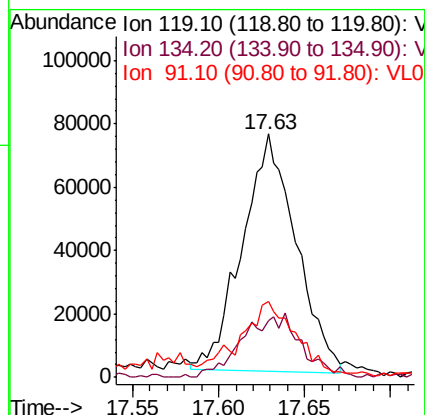
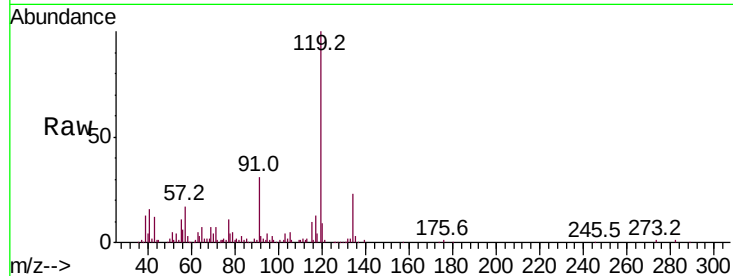




#69
 p-Isopropyltoluene
 Concen: 0.285 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. 0.00 min
 Lab File: VL037634.D
 Acq: 17 Sep 2021 3:14

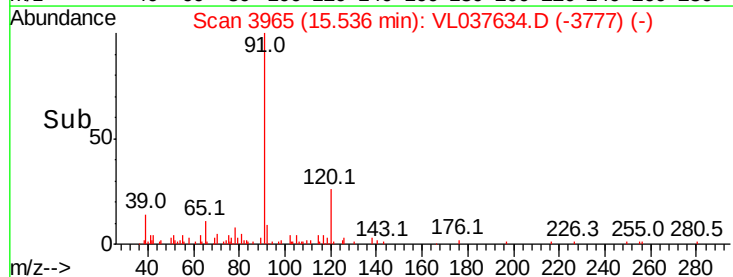
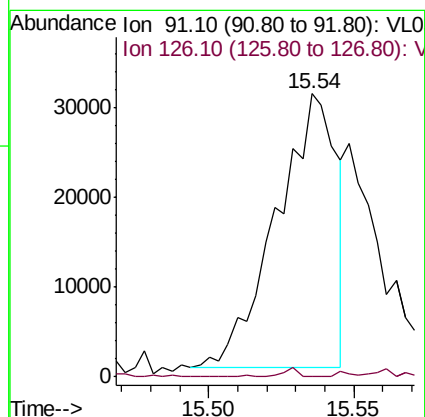
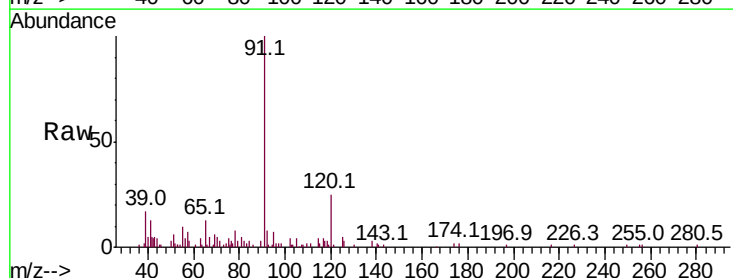
Instrument :
 MSVOA_L
 ClientSampleId :

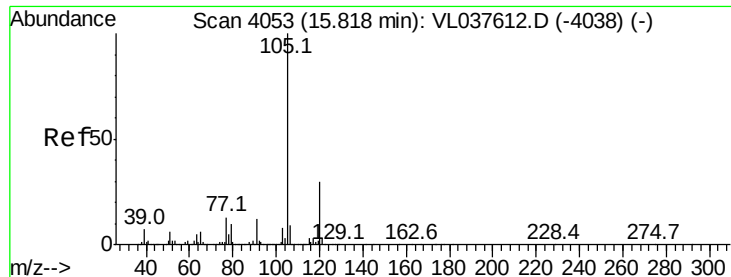
Tot Ion	Ratio	Lower	Upper
119	100		
134	29.5	21.2	31.8
91	33.5	22.2	33.2#



#71
 2-Chlorotoluene
 Concen: 0.107 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. 0.10 min
 Lab File: VL037634.D
 Acq: 17 Sep 2021 3:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	2.1	13.2	52.8#





#72

4-Ethyltoluene

Concen: 0.150 ppbv

RT: 15.81 min Scan# 4051

Delta R.T. -0.01 min

Lab File: VL037634.D

Acq: 17 Sep 2021 3:14

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 70536

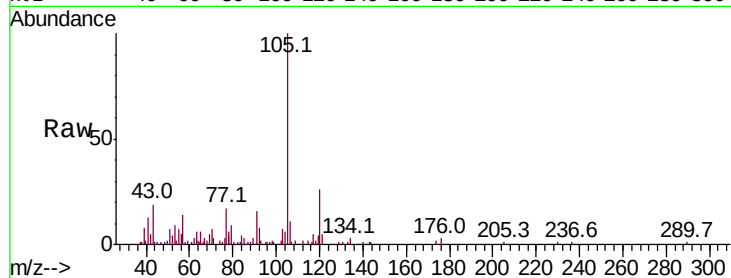
Ion Ratio Lower Upper

105 100

120 44.0 24.7 37.1#

91 0.0 9.9 14.9#

77 20.5 10.5 15.7#

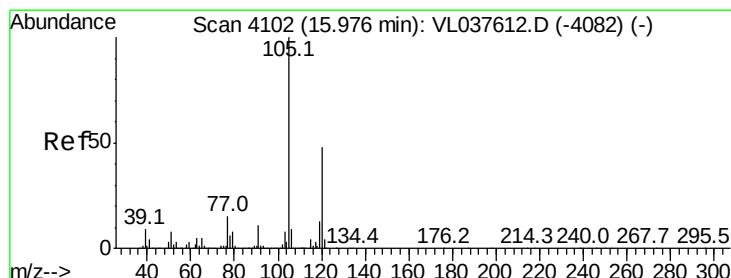
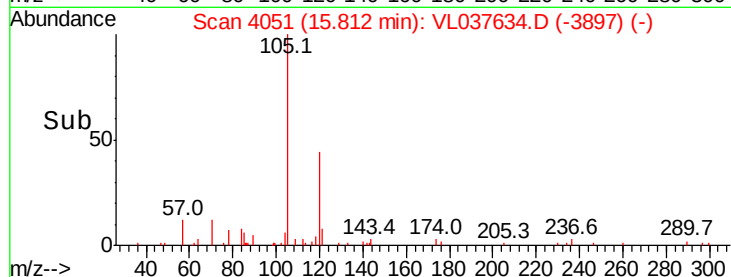
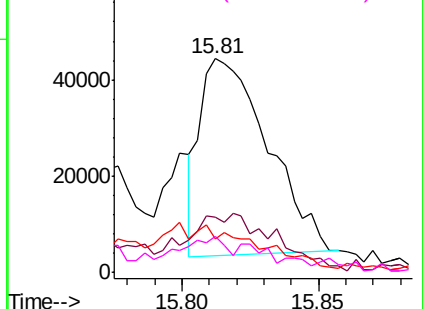


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.112 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL037634.D

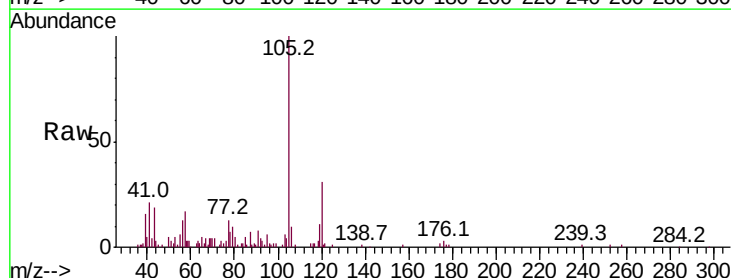
Acq: 17 Sep 2021 3:14

Tgt Ion:105 Resp: 49069

Ion Ratio Lower Upper

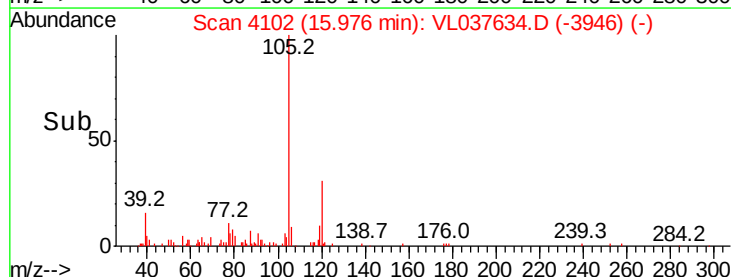
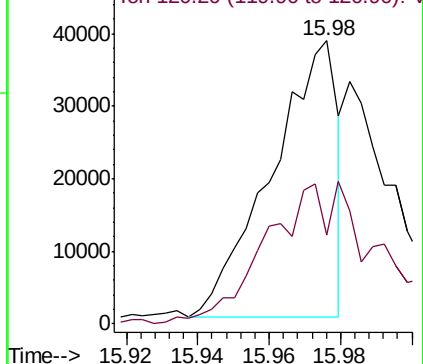
105 100

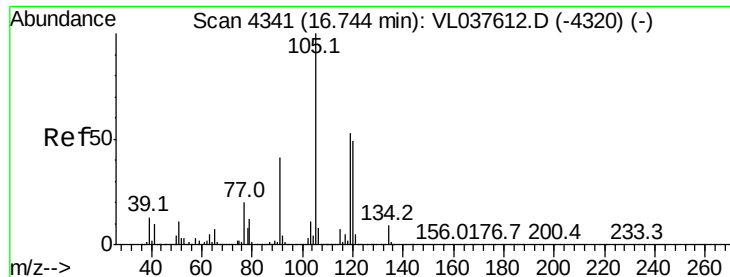
120 30.1 38.3 57.5#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.666 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL037634.D

Acq: 17 Sep 2021 3:14

Instrument :

MSVOA_L

ClientSampled :

Tot Ion:105 Resp: 306774

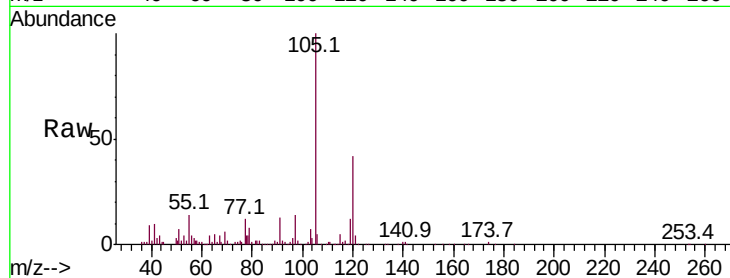
Ion Ratio Lower Upper

105 100

120 42.3 39.4 59.0

91 12.2 33.3 49.9#

77 11.5 15.7 23.5#

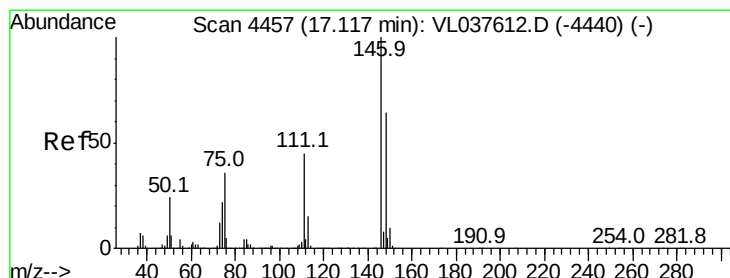
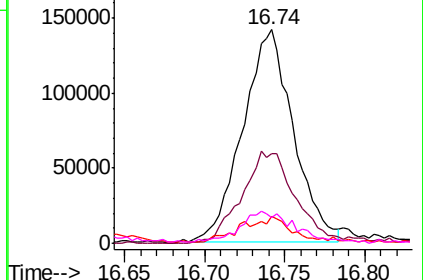
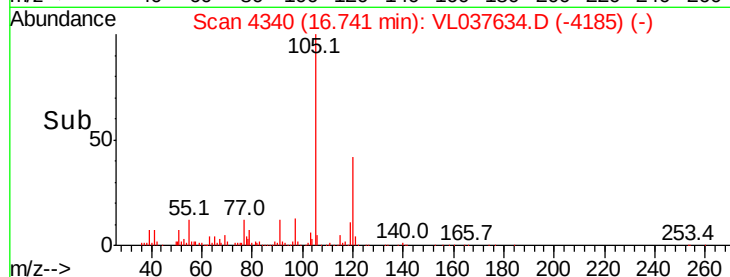


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#76

1,4-Dichlorobenzene

Concen: 0.089 ppbv

RT: 17.11 min Scan# 4455

Delta R.T. -0.01 min

Lab File: VL037634.D

Acq: 17 Sep 2021 3:14

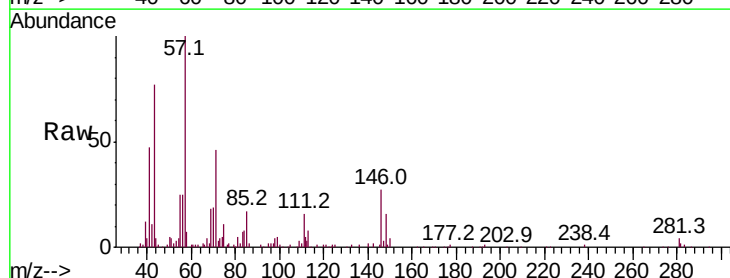
Tgt Ion:146 Resp: 25074

Ion Ratio Lower Upper

146 100

111 0.0 22.5 67.5#

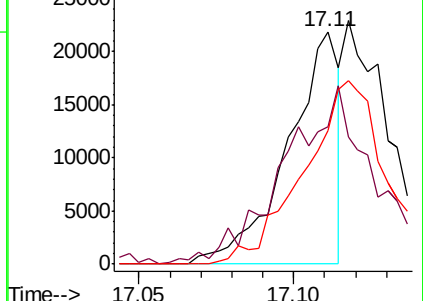
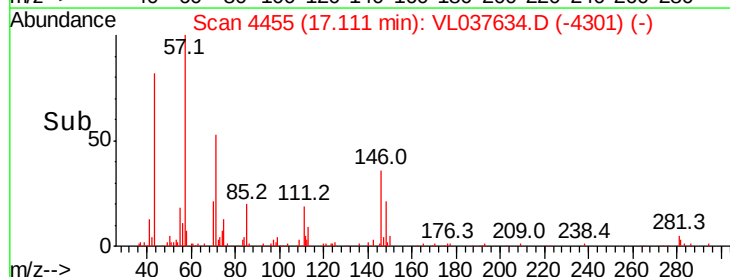
148 0.0 32.9 98.6#

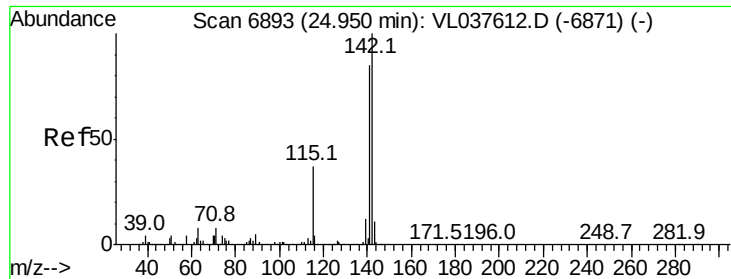


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#80
 Naphthalene, 2-methyl-
 Concen: 0.186 ppbv
 RT: 24.96 min Scan# 6895
 Delta R.T. 0.01 min
 Lab File: VL037634.D
 Acq: 17 Sep 2021 3:14

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	76.8	70.9	106.3
115	52.6	29.6	44.4

