

Data File : VL037610.D
Acq On : 16 Sep 2021 8:47
Operator : SY/AP
Sample : VSTDIC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Sep 16 10:46:20 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 16 10:46:26 2021
QLast Update : Thu Sep 16 10:46:26 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1677289	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4810758	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4393910	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3171844	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.18	85	274663	1.021	ppbv	94
3) Chlorodifluoromethane	2.98	51	325570	1.014	ppbv	98
4) Chloromethane	3.13	50	116107	1.012	ppbv	88
5) Vinyl Chloride	3.25	62	109659	0.933	ppbv #	78
6) Bromomethane	3.47	94	30594	0.475	ppbv	98
7) Chloroethane	3.55	64	35496	0.884	ppbv #	89
8) Dichlorotetrafluoroethane	3.18	85	274663	0.989	ppbv	99
9) Propene	3.00	41	61352	0.534	ppbv #	38
10) Heptane	8.11	43	114294	0.432	ppbv #	1
11) Trichlorofluoromethane	3.94	101	249879	0.989	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	184556	0.996	ppbv	99
13) Ethanol	3.61	45	7777	0.695	ppbv #	37
14) Bromoethene	3.74	108	34467	0.410	ppbv #	1
15) Acetone	3.85	43	170600	0.999	ppbv #	54
16) 1,3-Butadiene	3.32	39	101715	0.929	ppbv	92
17) tert-Butyl alcohol	4.29	59	66214	0.425	ppbv #	67
18) 1,1-Dichloroethene	4.28	96	42973	0.510	ppbv	90
19) Isopropyl Alcohol	3.97	45	39635	0.405	ppbv #	70
20) Methylene Chloride	4.33	84	79507	0.930	ppbv	96
21) Allyl Chloride	4.40	41	107943	0.779	ppbv	88
22) trans-1,2-Dichloroethene	4.87	96	75155	0.895	ppbv	94
23) Vinyl Acetate	5.07	43	203920	0.810	ppbv #	93
24) 1,1-Dichloroethane	5.00	63	80528	0.441	ppbv	96
25) Ethyl Acetate	5.67	43	415128	0.958	ppbv #	97
26) Hexane	5.68	57	197824	0.934	ppbv	91
27) Carbon Disulfide	4.54	76	80106	0.424	ppbv #	52
28) Methyl tert-Butyl Ether	5.03	73	140361	0.690	ppbv #	87
29) Chloroform	5.74	83	289204	0.963	ppbv	96
30) Cyclohexane	7.12	84	155604	0.881	ppbv #	70
31) cis-1,2-Dichloroethene	5.54	61	171013	0.892	ppbv	91
32) 1,1,1-Trichloroethane	6.50	97	265850	0.901	ppbv	97
34) 2-Butanone	5.24	43	150355	0.765	ppbv #	79
35) Carbon Tetrachloride	7.01	117	267958	0.942	ppbv	96
36) Benzene	6.88	78	401127	0.992	ppbv	96
37) 1,2-Dichloroethane	6.29	62	194540	0.971	ppbv	100
38) Trichloroethene	7.82	130	152001	0.916	ppbv	92
39) 1,2-Dichloropropane	7.59	63	74419	0.479	ppbv	96
40) 1,4-Dioxane	7.85	88	26293	0.691	ppbv #	1
41) Tetrahydrofuran	6.05	42	25719	0.272	ppbv #	1
42) Bromodichloromethane	7.77	83	267608	0.914	ppbv #	95
43) Methyl Methacrylate	8.00	69	70419	0.500	ppbv #	19

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 10:46:26 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	690676	1.015	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	39988	0.377	ppbv	92
46) cis-1,3-Dichloropropene	8.69	75	106833	0.722	ppbv	93
47) 1,1,2-Trichloroethane	9.46	97	163348	0.973	ppbv	91
48) Dibromochloromethane	10.29	129	216660	0.897	ppbv	95
49) Bromoform	13.02	173	169132	0.888	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	233877	0.913	ppbv	98
51) 2-Hexanone	10.13	43	24669	0.209	ppbv #	29
52) Tetrachloroethene	11.21	164	73690	0.445	ppbv	93
53) Toluene	9.79	91	432348	0.936	ppbv	98
54) 1,2-Dibromoethane	10.59	107	220747	0.942	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.11	131	87007	0.475	ppbv #	2
57) Chlorobenzene	12.12	112	379859	1.042	ppbv #	89
58) Ethyl Benzene	12.69	91	247646	0.406	ppbv	96
59) m/p-Xylene	12.98	91	431331	0.816	ppbv #	6
60) o-Xylene	13.67	91	495724	1.005	ppbv	98
61) Styrene	13.51	104	206887	0.807	ppbv	96
62) Isopropylbenzene	14.64	105	701354	1.007	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	178394	0.486	ppbv #	16
64) n-propylbenzene	15.55	120	78419	0.443	ppbv #	1
65) tert-Butylbenzene	16.72	119	654855	1.033	ppbv	99
66) Benzyl Chloride	16.98	91	9489	0.331	ppbv #	28
67) sec-Butylbenzene	17.27	105	871717	0.984	ppbv	97
69) p-Isopropyltoluene	17.63	119	695050	0.963	ppbv	98
70) n-Butylbenzene	18.53	91	636348	0.922	ppbv	99
71) 2-Chlorotoluene	15.43	91	480107	0.940	ppbv	100
72) 4-Ethyltoluene	15.82	105	546471	0.931	ppbv	98
73) 1,3,5-Trimethylbenzene	15.97	105	245443	0.449	ppbv	93
74) 1,2,4-Trimethylbenzene	16.74	105	561461	0.967	ppbv	93
75) 1,3-Dichlorobenzene	16.97	146	334342	0.957	ppbv	95
76) 1,4-Dichlorobenzene	17.11	146	158248	0.450	ppbv #	20
77) 1,2-Dichlorobenzene	17.79	146	315738	0.918	ppbv	97
78) Hexachloro-1,3-Butadiene	23.35	225	135588	0.474	ppbv #	10
79) Naphthalene	22.17	128	158135	0.407	ppbv	96
80) Naphthalene,2-methyl-	24.95	142	68758	0.635	ppbv	88
81) 1,2,4-Trichlorobenzene	21.90	180	118977	0.488	ppbv #	11

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

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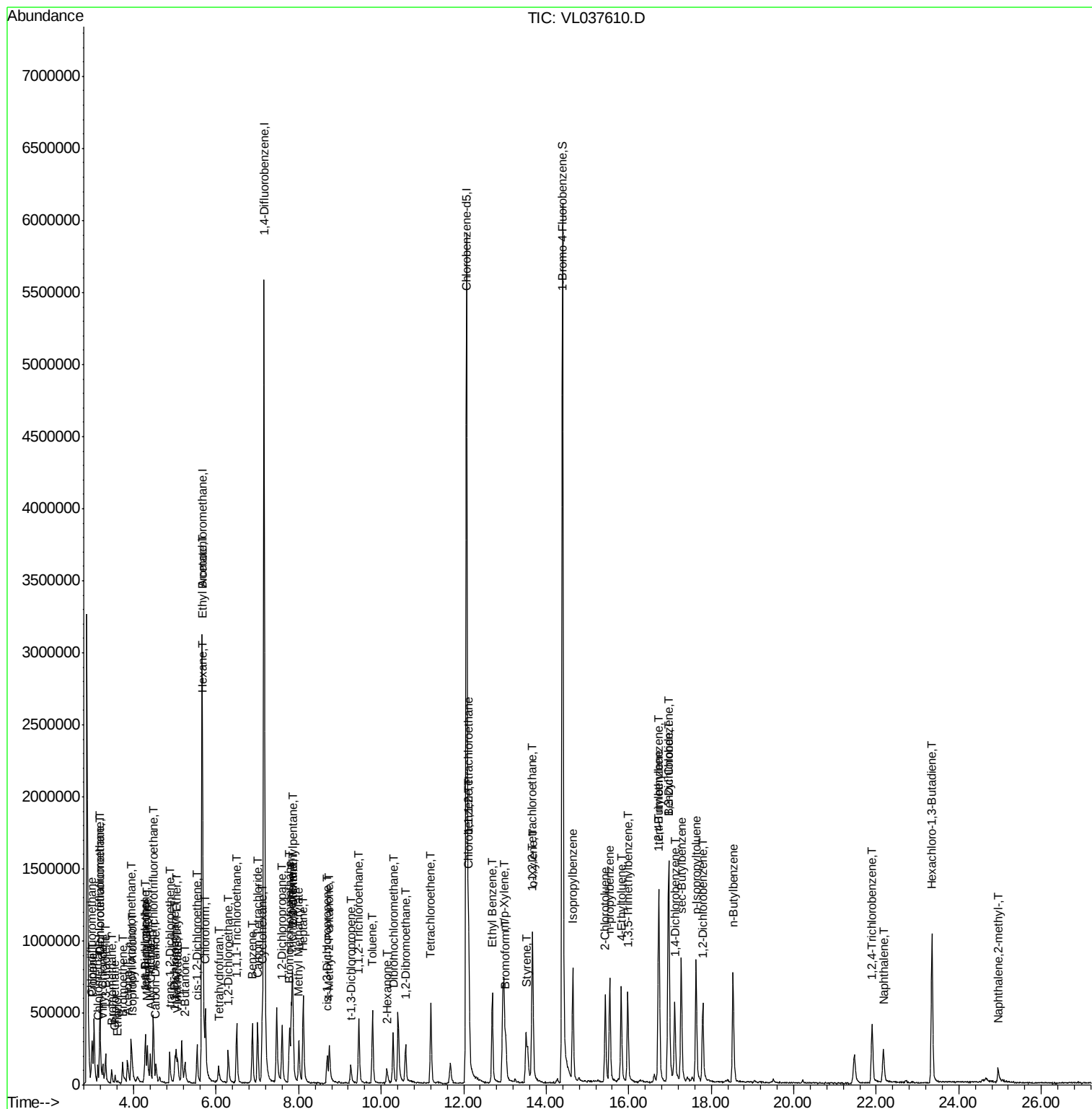
Quant Time: Sep 16 10:46:20 2021

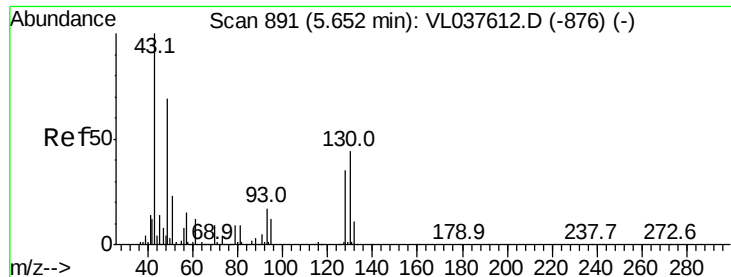
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL091621AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Instrument :
MSVOA_L
ClientSampleId :

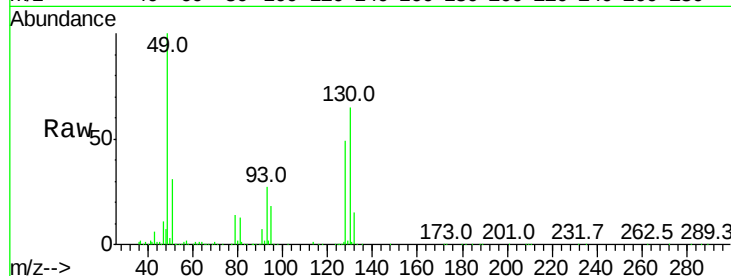
Tgt Ion: 49 Resp: 1677289

Ion Ratio Lower Upper

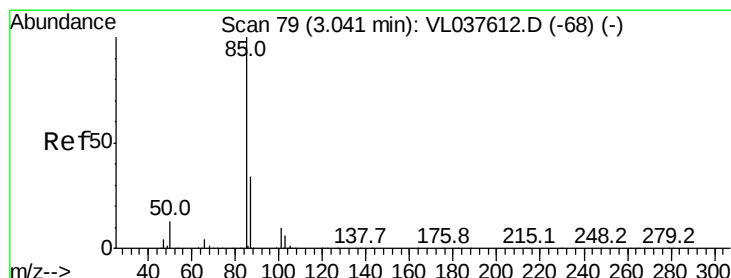
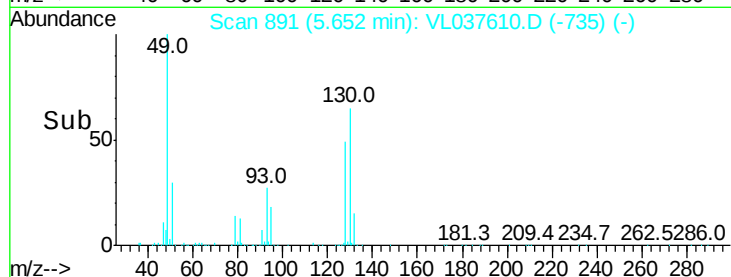
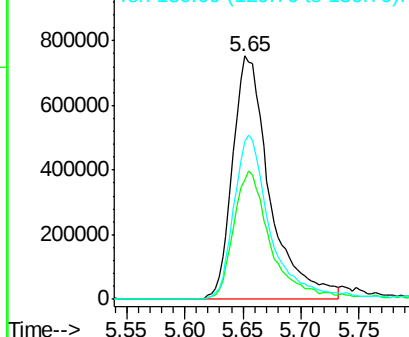
49 100

128 54.4 27.9 83.6

130 67.4 33.9 101.7



Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): VL0
Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 1.021 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.14 min

Lab File: VL037610.D

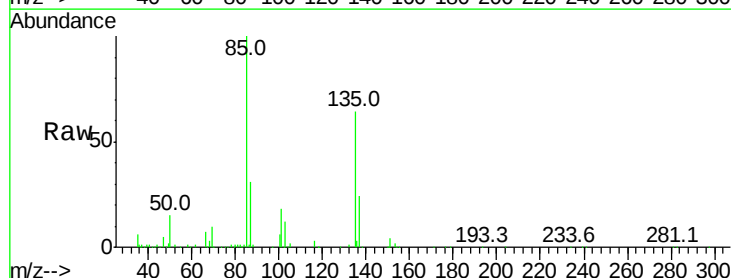
Acq: 16 Sep 2021 8:47

Tgt Ion: 85 Resp: 274663

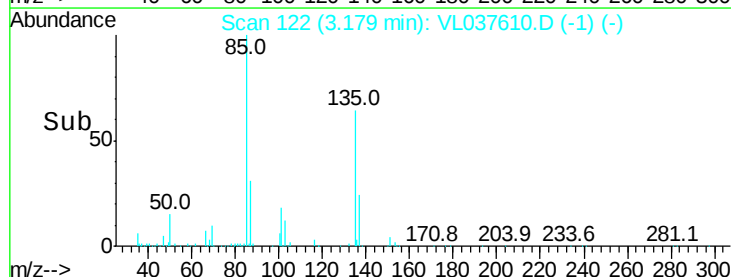
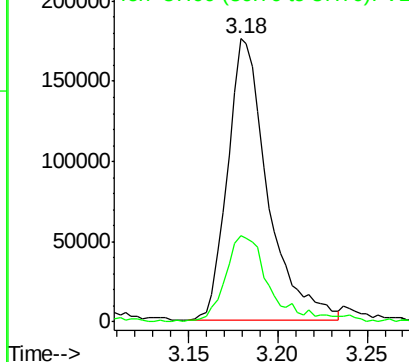
Ion Ratio Lower Upper

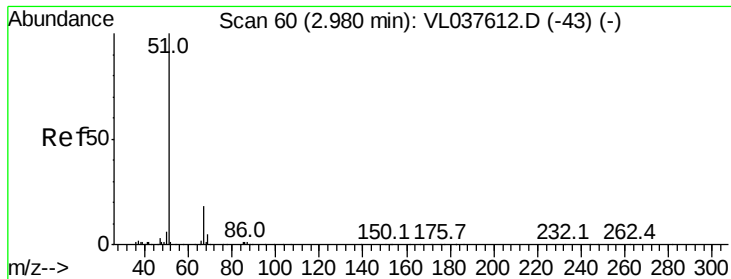
85 100

87 30.2 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.014 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

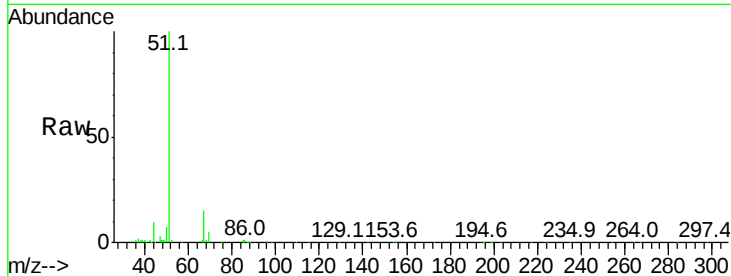
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 325570

Ion Ratio Lower Upper

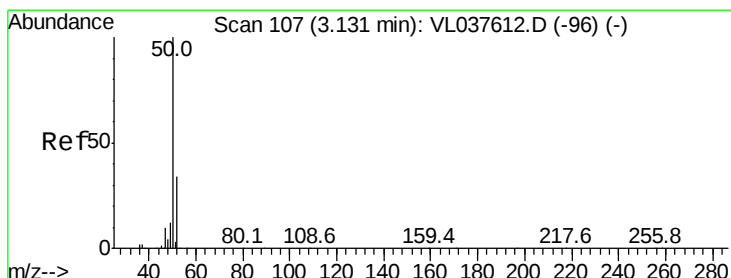
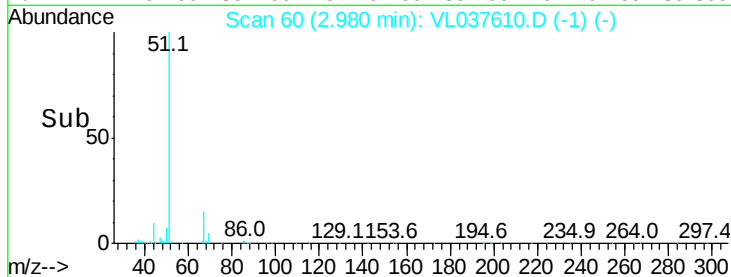
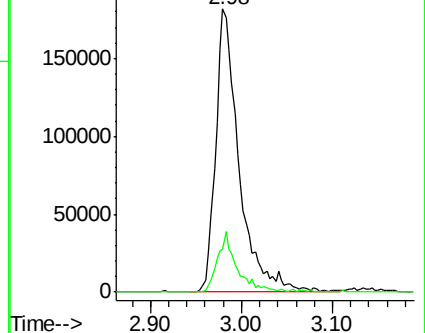
51 100

67 18.3 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: 1.012 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.00 min

Lab File: VL037610.D

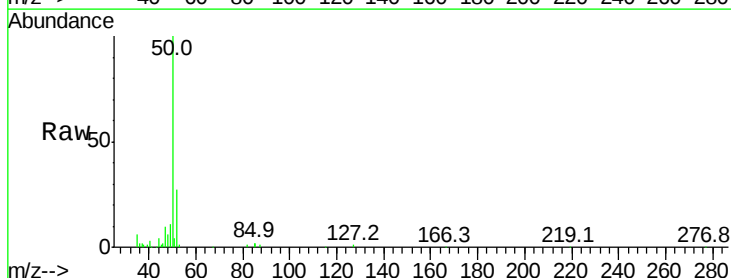
Acq: 16 Sep 2021 8:47

Tgt Ion: 50 Resp: 116107

Ion Ratio Lower Upper

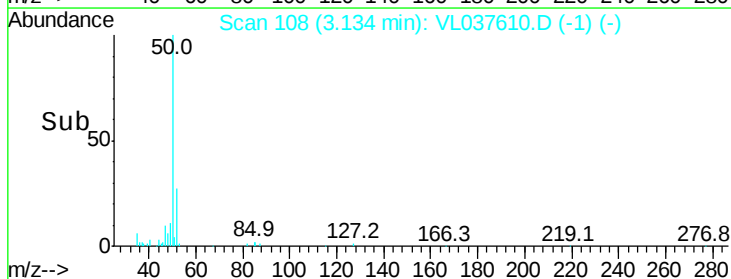
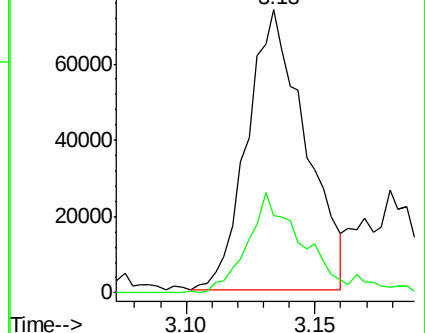
50 100

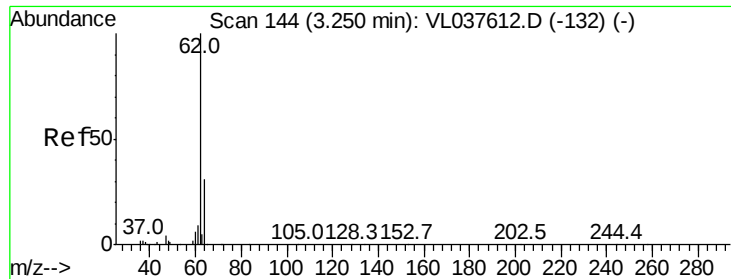
52 27.3 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.933 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Instrument :

MSVOA_L

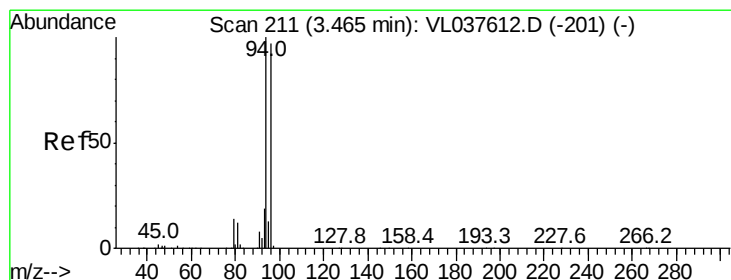
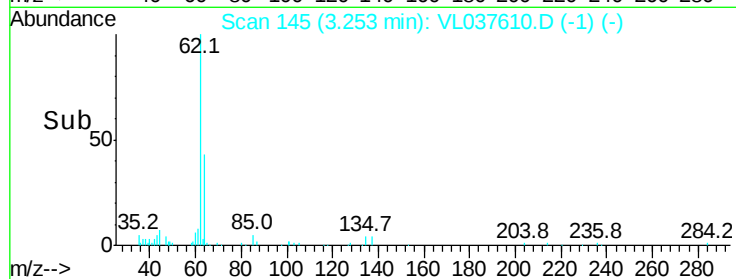
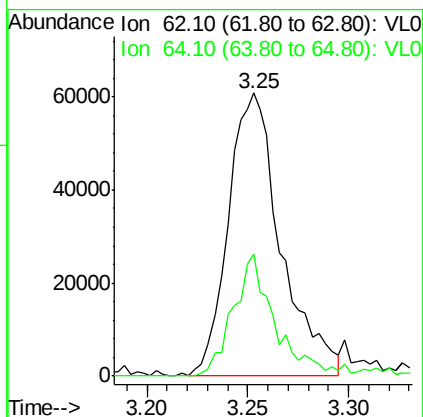
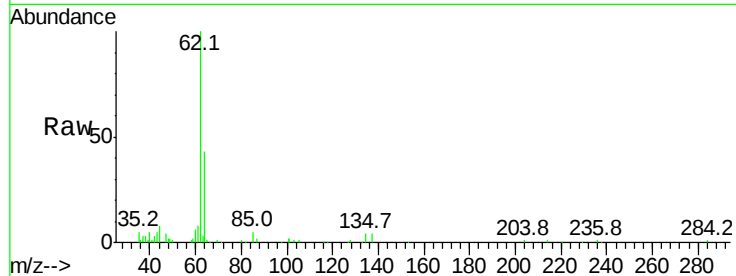
ClientSampleId :

Tgt Ion: 62 Resp: 109659

Ion Ratio Lower Upper

62 100

64 43.5 24.9 37.3#



#6

Bromomethane

Concen: 0.475 ppbv

RT: 3.47 min Scan# 211

Delta R.T. 0.00 min

Lab File: VL037610.D

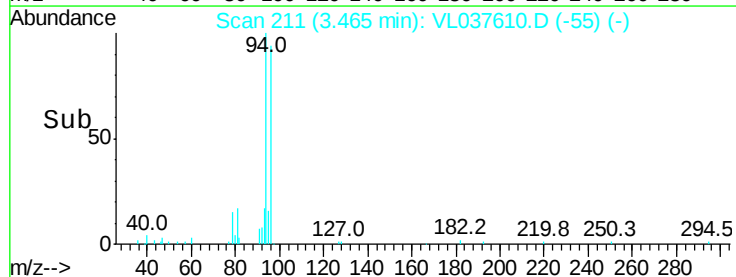
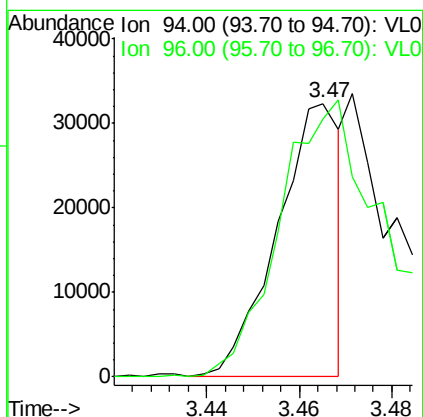
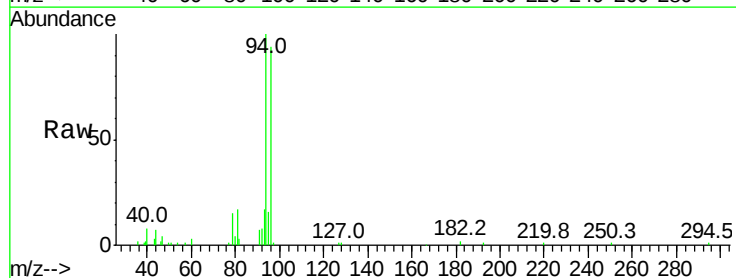
Acq: 16 Sep 2021 8:47

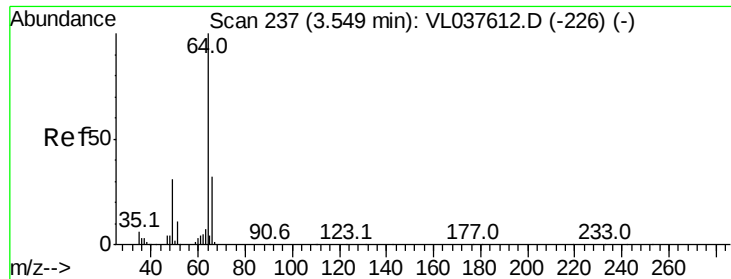
Tgt Ion: 94 Resp: 30594

Ion Ratio Lower Upper

94 100

96 94.4 77.3 115.9





#7

Chloroethane

Concen: 0.884 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Instrument :

MSVOA_L

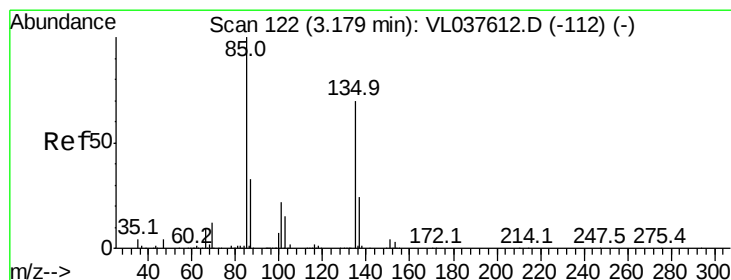
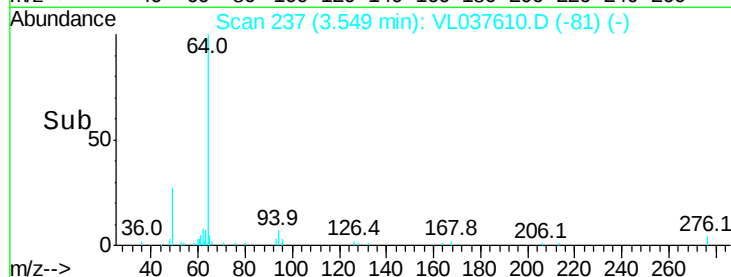
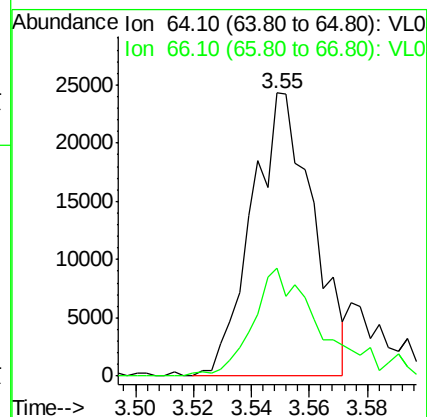
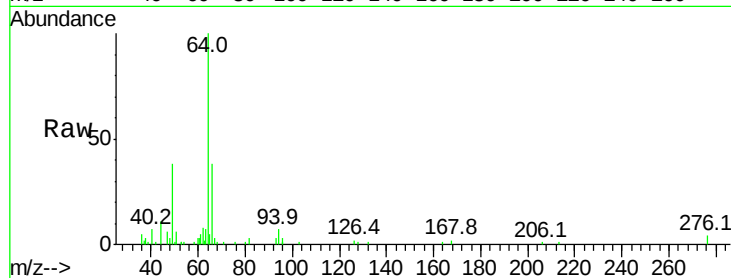
ClientSampleId :

Tgt Ion: 64 Resp: 35496

Ion Ratio Lower Upper

64 100

66 38.0 25.3 37.9#



#8

Dichlorotetrafluoroethane

Concen: 0.989 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037610.D

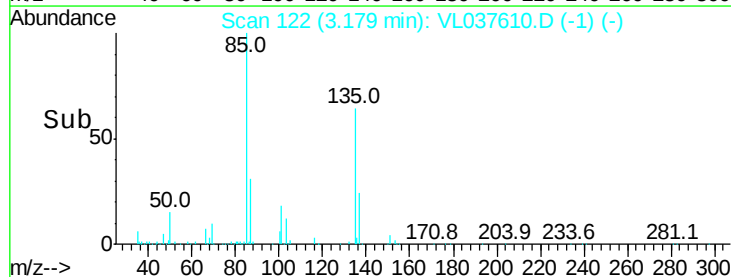
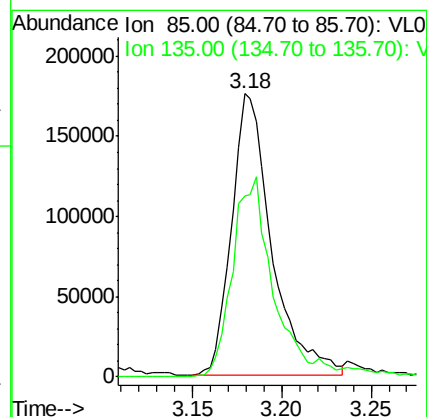
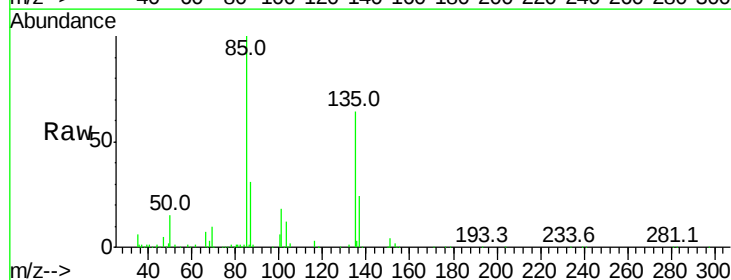
Acq: 16 Sep 2021 8:47

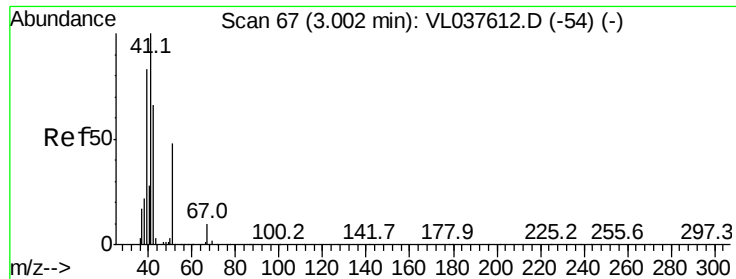
Tgt Ion: 85 Resp: 274663

Ion Ratio Lower Upper

85 100

135 75.2 59.3 88.9





#9

Propene

Concen: 0.534 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Instrument :

MSVOA_L

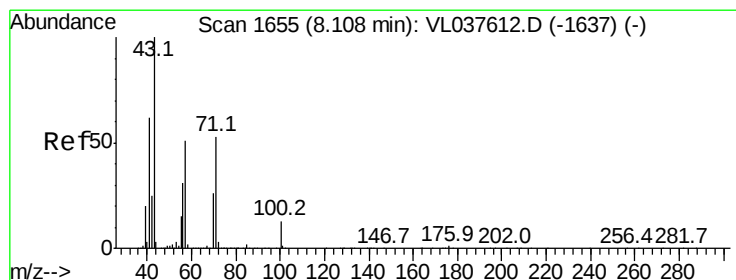
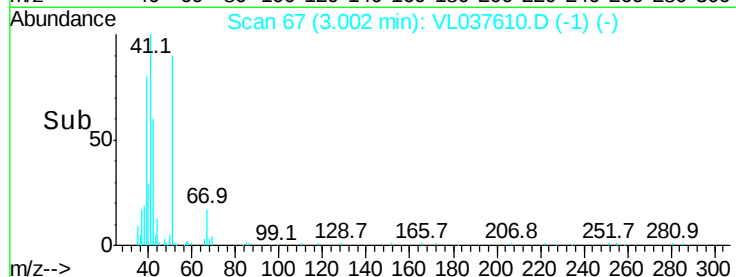
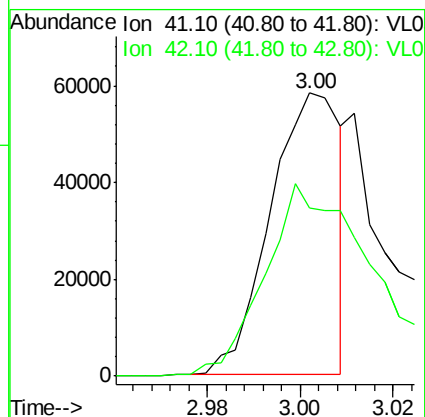
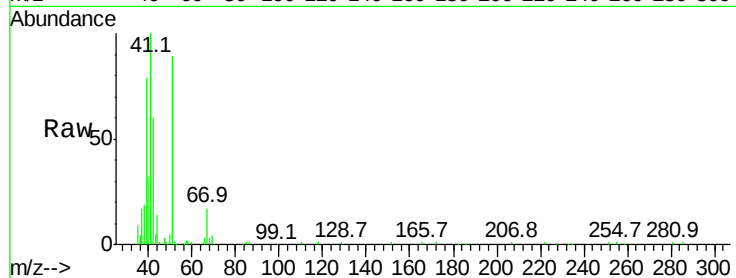
ClientSampleId :

Tgt Ion: 41 Resp: 61352

Ion Ratio Lower Upper

41 100

42 123.1 57.2 85.8#



#10

Heptane

Concen: 0.432 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VL037610.D

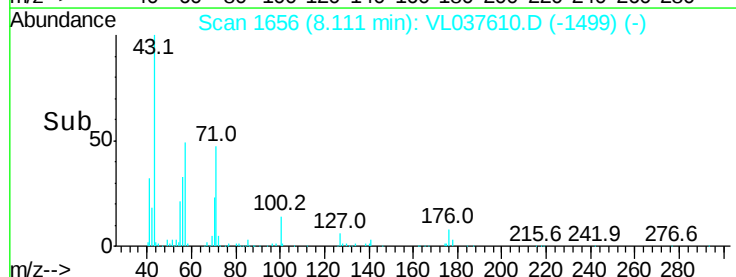
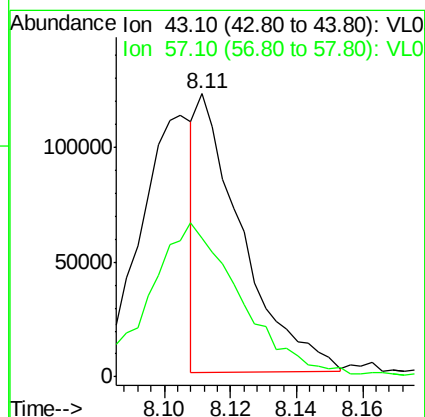
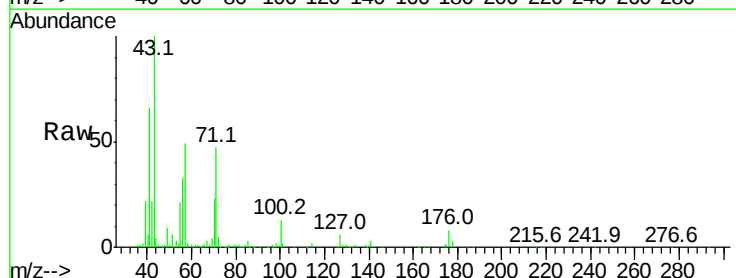
Acq: 16 Sep 2021 8:47

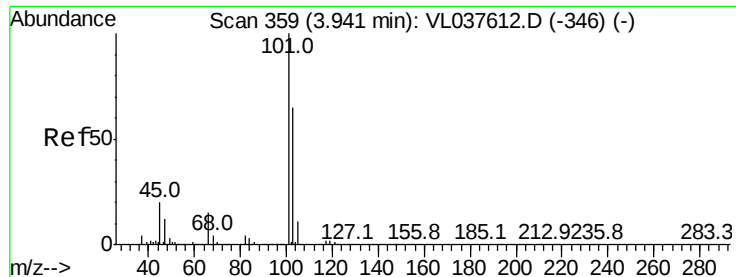
Tgt Ion: 43 Resp: 114294

Ion Ratio Lower Upper

43 100

57 118.2 40.1 60.1#





#11

Trichlorofluoromethane

Concen: 0.989 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.00 min

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Instrument :

MSVOA_L

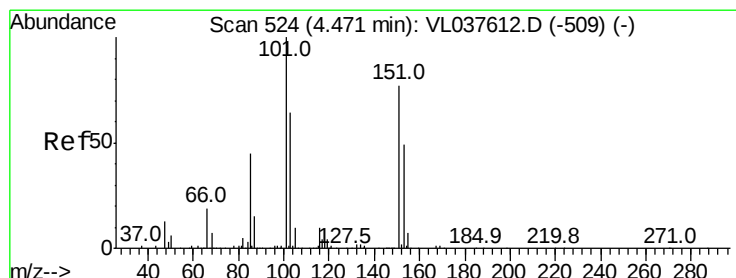
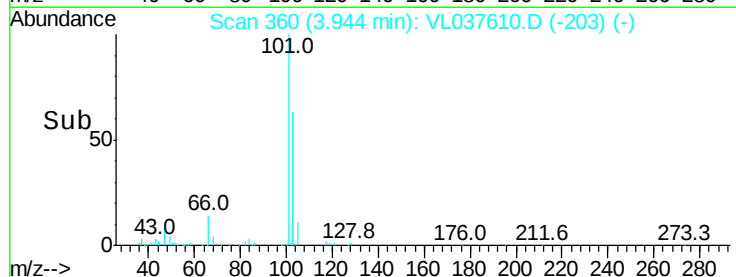
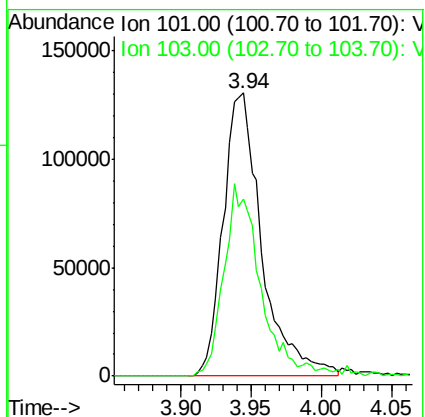
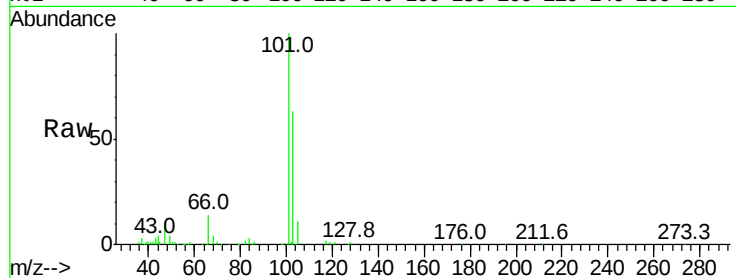
ClientSampleId :

Tgt Ion:101 Resp: 249879

Ion Ratio Lower Upper

101 100

103 62.4 51.9 77.9



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.996 ppbv

RT: 4.47 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL037610.D

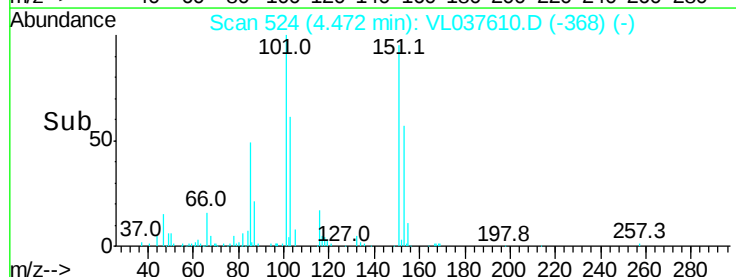
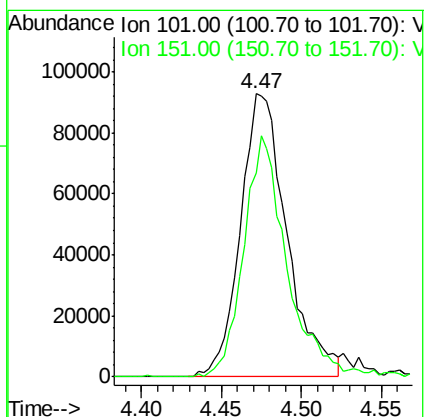
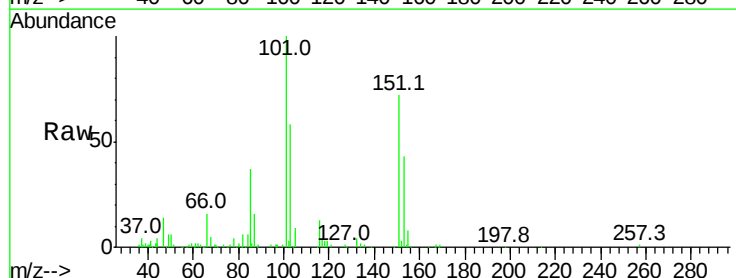
Acq: 16 Sep 2021 8:47

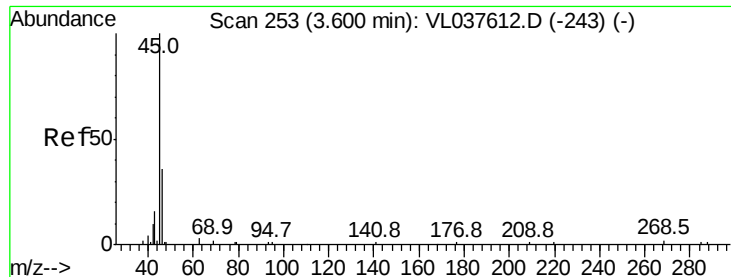
Tgt Ion:101 Resp: 184556

Ion Ratio Lower Upper

101 100

151 78.9 63.5 95.3





#13

Ethanol

Concen: 0.695 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Instrument :

MSVOA_L

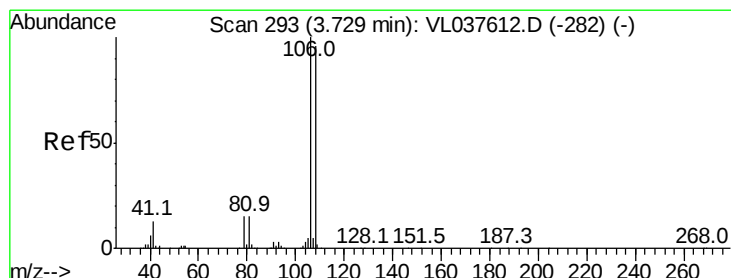
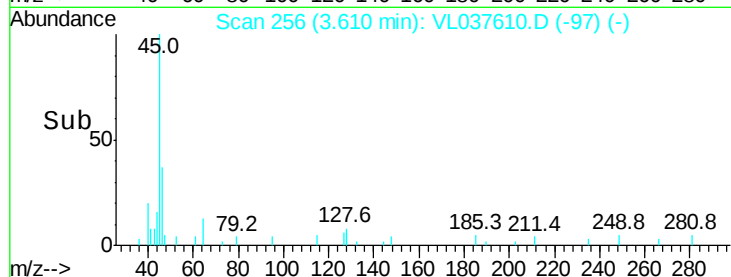
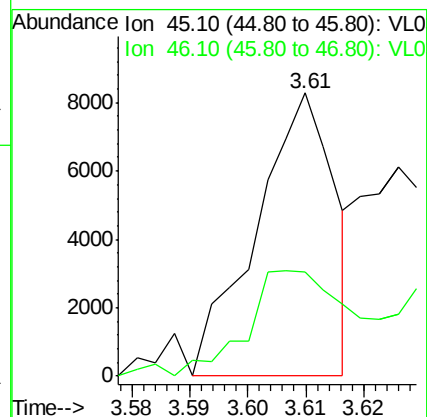
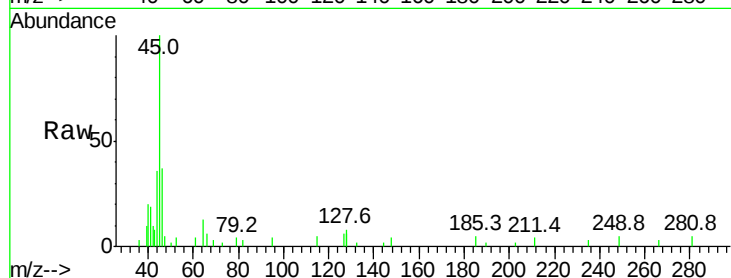
ClientSampleId :

Tgt Ion: 45 Resp: 7777

Ion Ratio Lower Upper

45 100

46 83.0 17.2 68.8#



#14

Bromoethene

Concen: 0.410 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.01 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

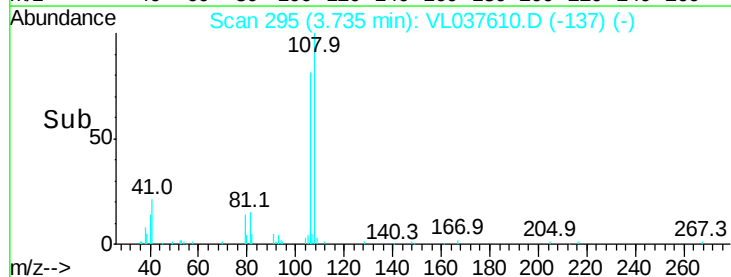
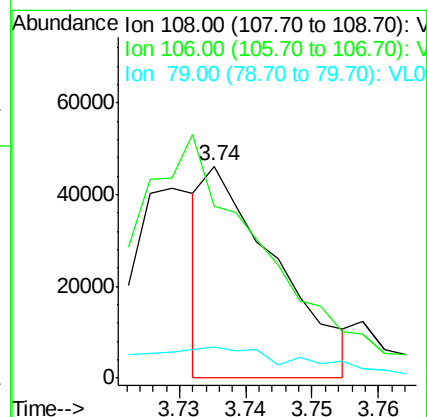
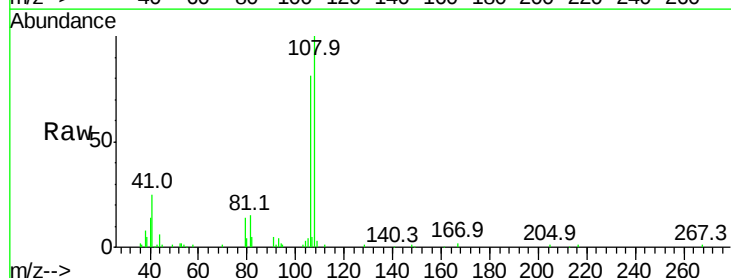
Tgt Ion: 108 Resp: 34467

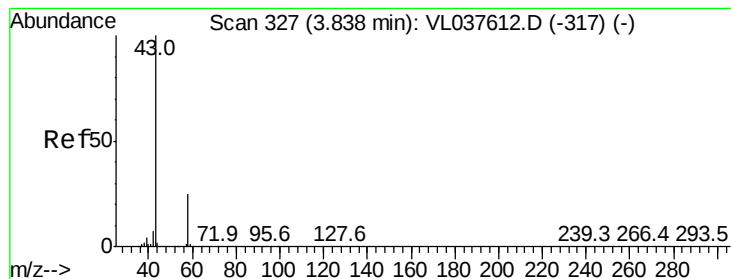
Ion Ratio Lower Upper

108 100

106 255.1 88.2 132.4#

79 42.2 12.8 19.2#





#15

Acetone

Concen: 0.999 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Instrument :

MSVOA_L

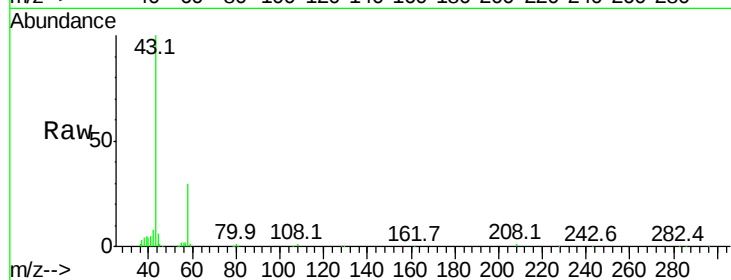
ClientSampleId :

Tgt Ion: 43 Resp: 170600

Ion Ratio Lower Upper

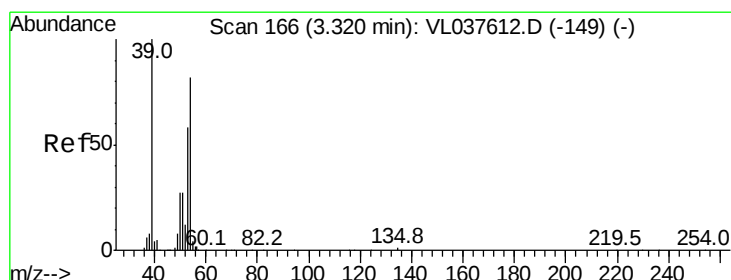
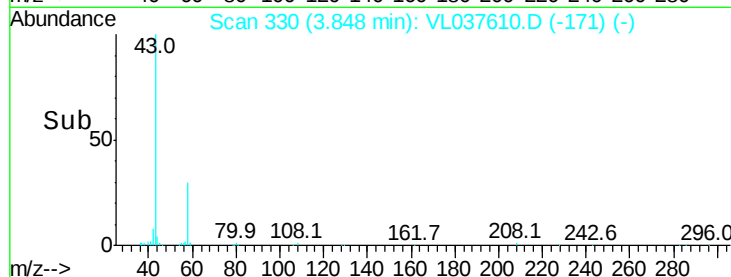
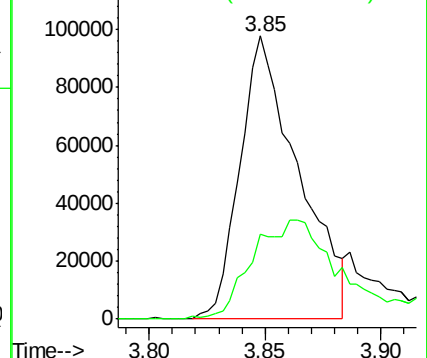
43 100

58 56.2 24.9 37.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.929 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL037610.D

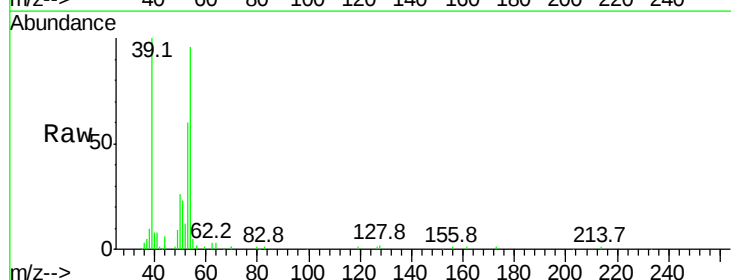
Acq: 16 Sep 2021 8:47

Tgt Ion: 39 Resp: 101715

Ion Ratio Lower Upper

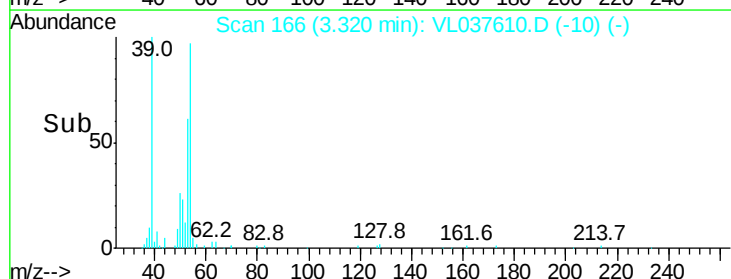
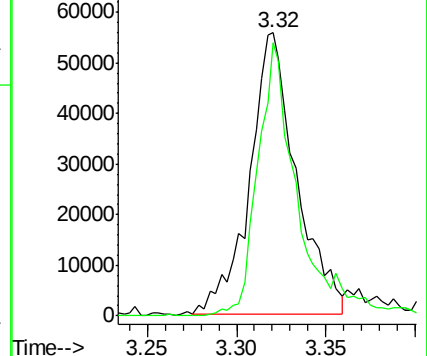
39 100

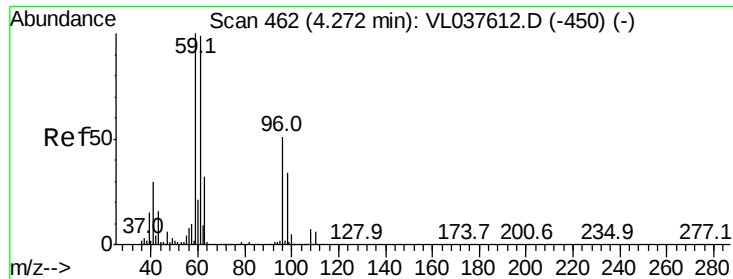
54 84.9 62.6 93.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



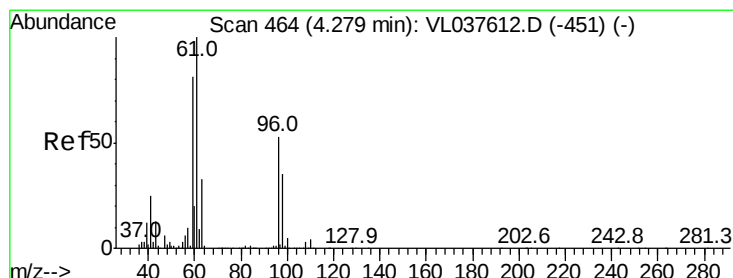
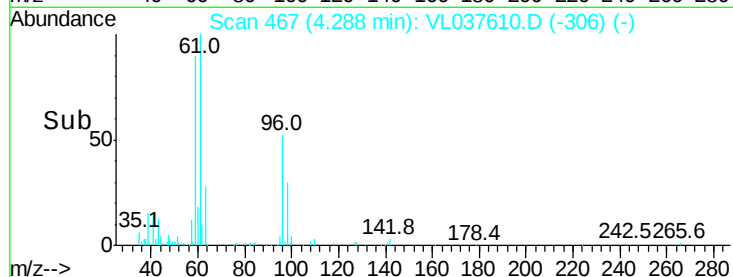
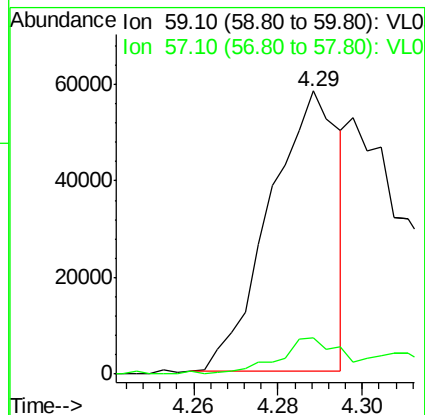
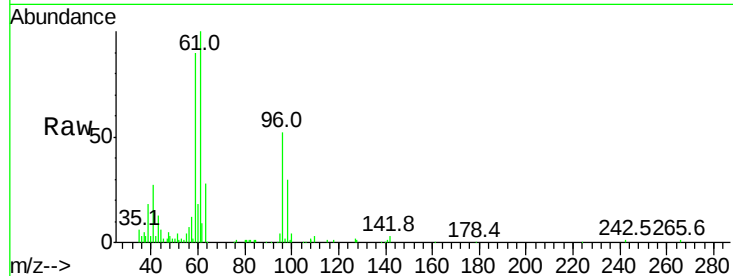


#17

tert-Butyl alcohol
Concen: 0.425 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.02 min
Lab File: VL037610.D
Acq: 16 Sep 2021 8:47

Instrument :
MSVOA_L
ClientSampleId :

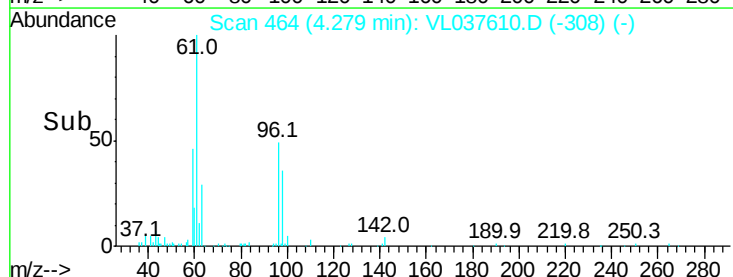
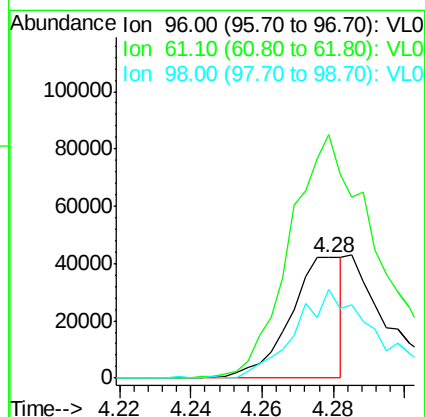
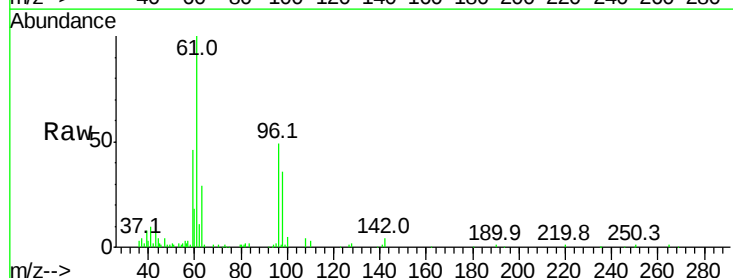
Tgt Ion: 59 Resp: 66214
Ion Ratio Lower Upper
59 100
57 23.0 8.4 12.6#

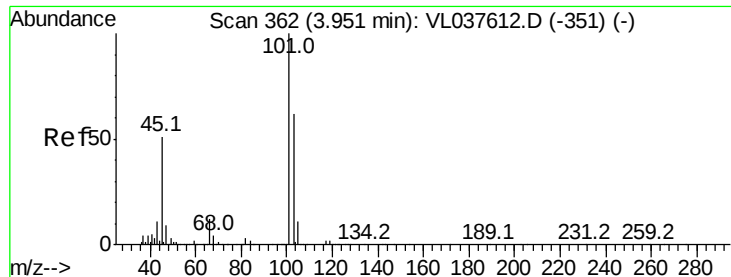


#18

1,1-Dichloroethene
Concen: 0.510 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.00 min
Lab File: VL037610.D
Acq: 16 Sep 2021 8:47

Tgt Ion: 96 Resp: 42973
Ion Ratio Lower Upper
96 100
61 202.3 150.4 225.6
98 72.6 52.1 78.1





#19

Isopropyl Alcohol

Concen: 0.405 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.02 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Instrument :

MSVOA_L

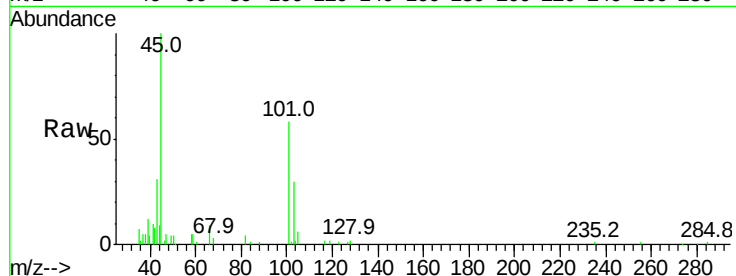
ClientSampleId :

Tgt Ion: 45 Resp: 39635

Ion Ratio Lower Upper

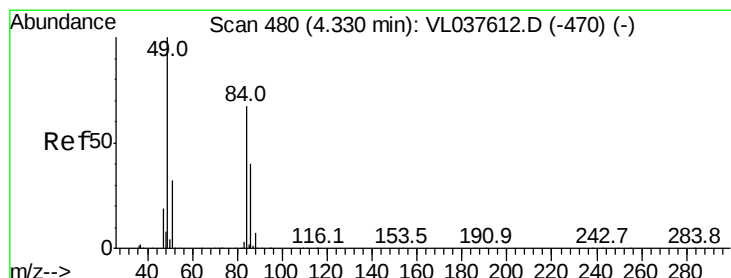
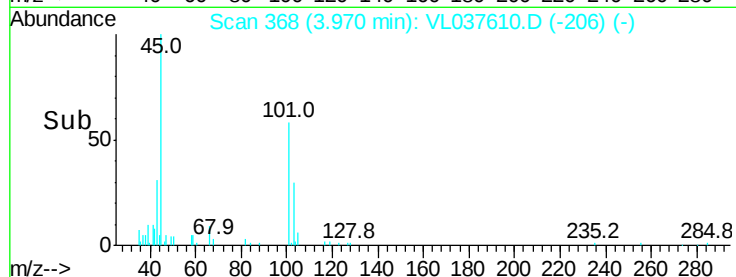
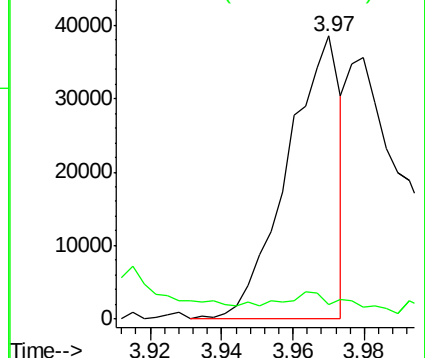
45 100

58 13.4 2.9 4.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.930 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Tgt Ion: 84 Resp: 79507

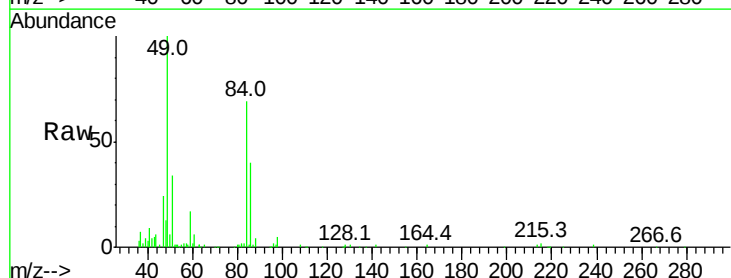
Ion Ratio Lower Upper

84 100

49 142.7 120.0 180.0

51 48.3 38.0 57.0

86 57.7 48.2 72.2

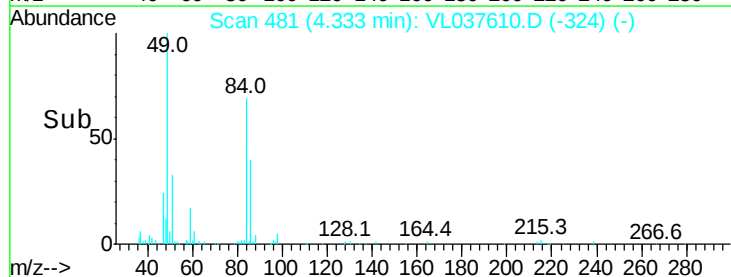
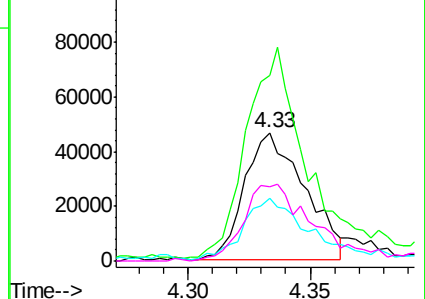


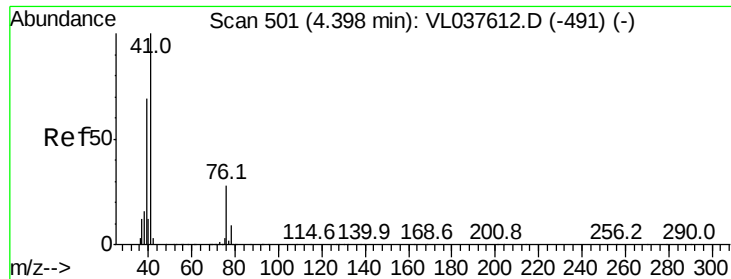
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allyl Chloride

Concen: 0.779 ppbv

RT: 4.40 min Scan# 503

Delta R.T. 0.01 min

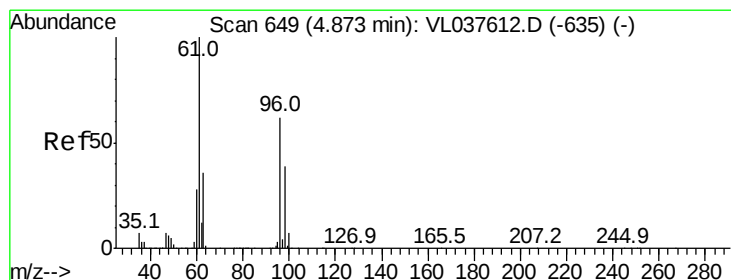
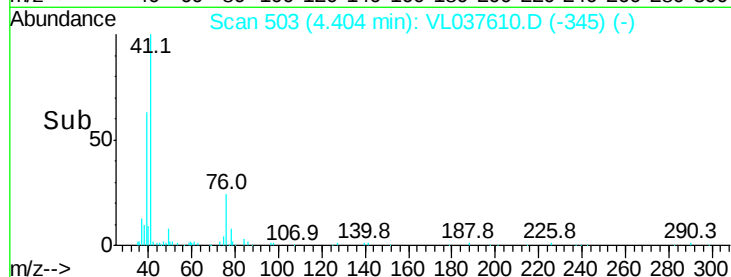
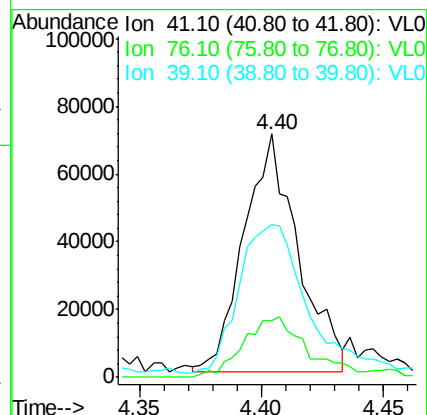
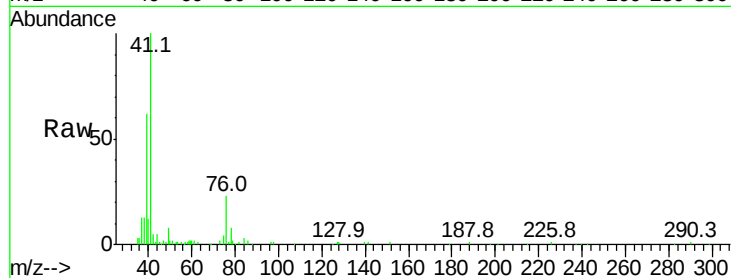
Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 107943

Ion	Ratio	Lower	Upper
41	100		
76	32.7	23.1	34.7
39	87.7	61.0	91.6



#22

trans-1,2-Dichloroethene

Concen: 0.895 ppbv

RT: 4.87 min Scan# 648

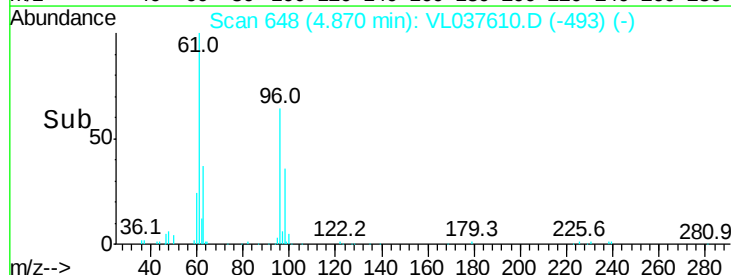
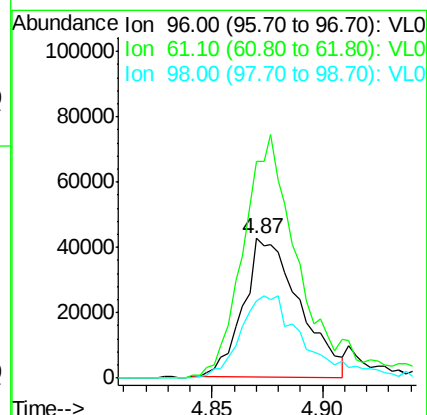
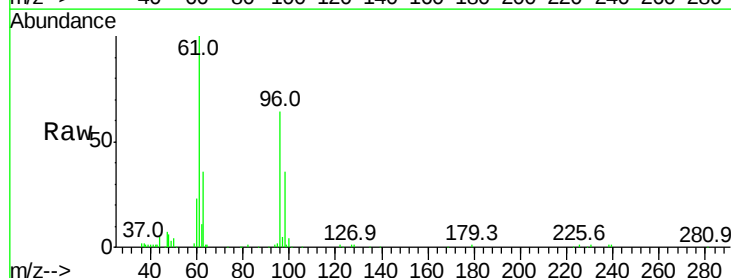
Delta R.T. -0.00 min

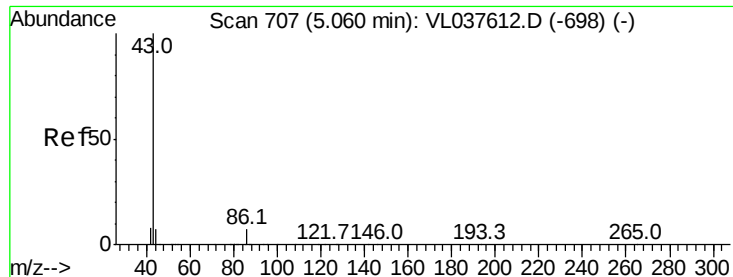
Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Tgt Ion: 96 Resp: 75155

Ion	Ratio	Lower	Upper
96	100		
61	154.8	129.2	193.8
98	55.7	50.4	75.6

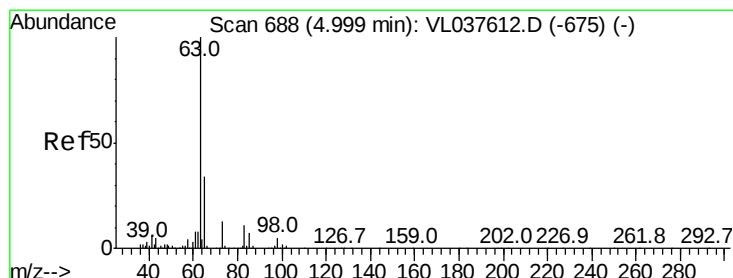
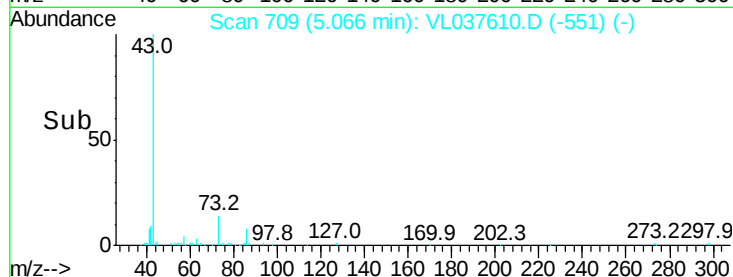
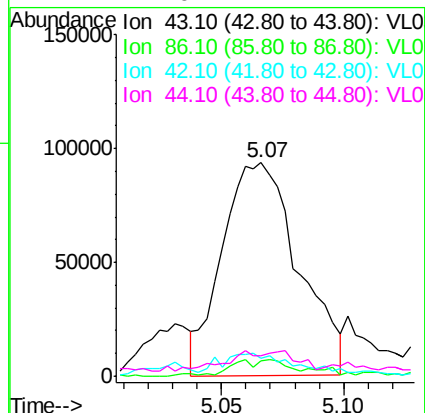
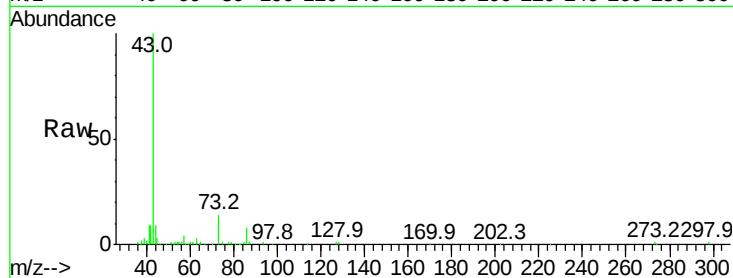




#23
 Vinyl Acetate
 Concen: 0.810 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VL037610.D
 Acq: 16 Sep 2021 8:47

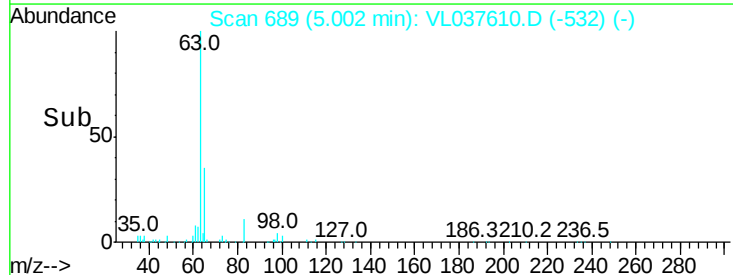
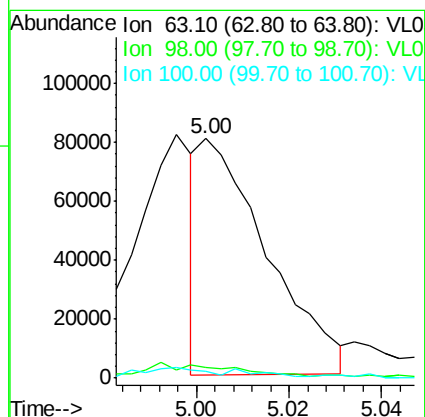
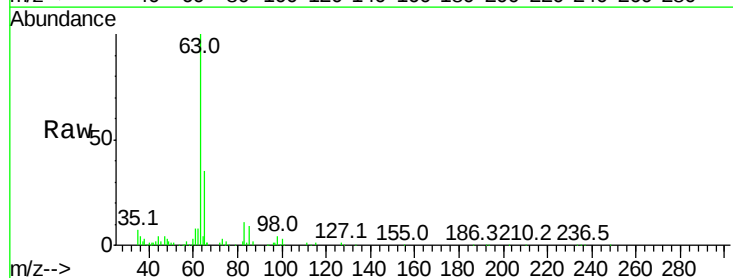
Instrument :
 MSVOA_L
 ClientSampleId :

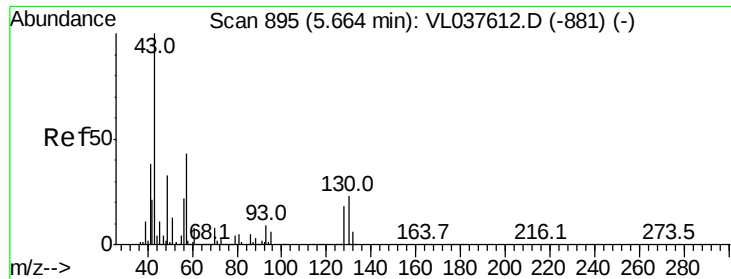
Tgt Ion:	43	Resp:	203920
Ion	Ratio	Lower	Upper
43	100		
86	9.4	5.0	7.6#
42	6.7	7.5	11.3#
44	7.0	4.7	7.1



#24
 1,1-Dichloroethane
 Concen: 0.441 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VL037610.D
 Acq: 16 Sep 2021 8:47

Tgt Ion:	63	Resp:	80528
Ion	Ratio	Lower	Upper
63	100		
98	3.2	2.4	7.2
100	1.8	1.1	3.5





#25

Ethyl Acetate

Concen: 0.958 ppbv

RT: 5.67 min Scan# 897

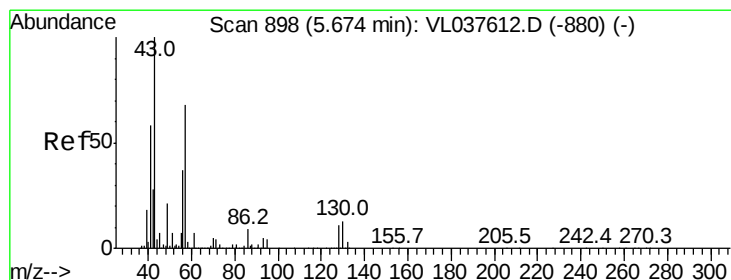
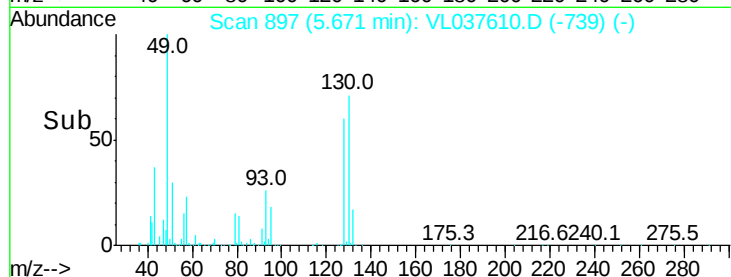
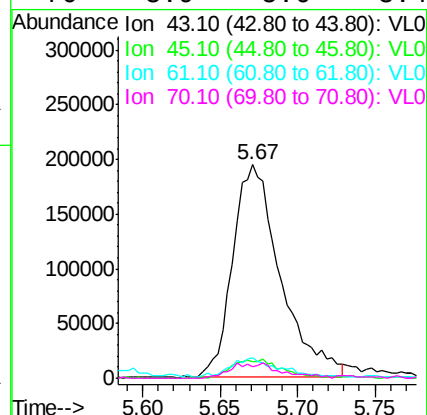
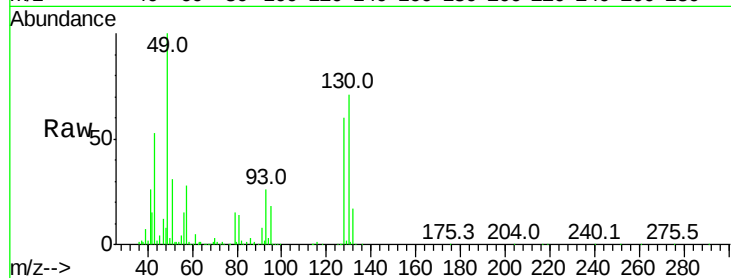
Delta R.T. 0.01 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:	43	Resp:	415128
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	10.6	7.5	11.3
70	8.9	5.6	8.4#



#26

Hexane

Concen: 0.934 ppbv

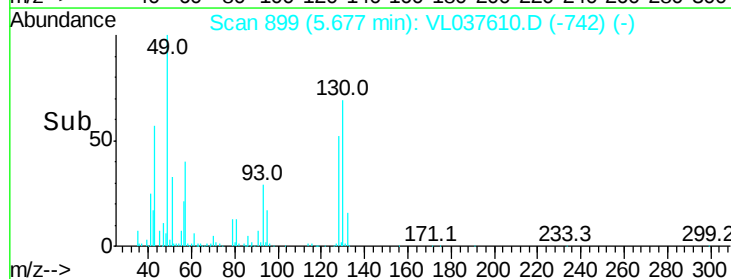
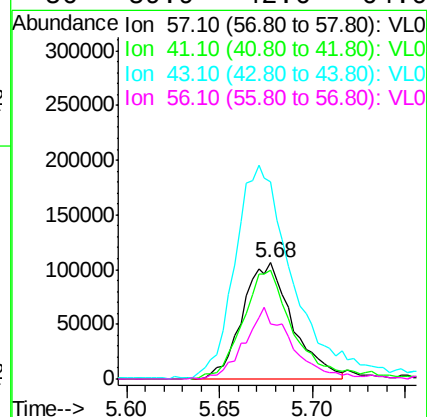
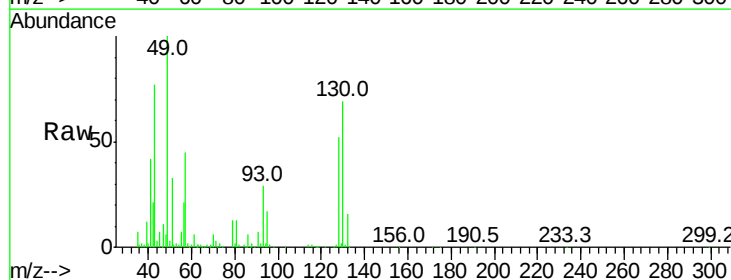
RT: 5.68 min Scan# 899

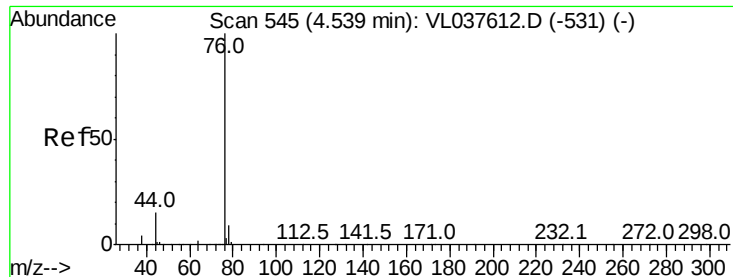
Delta R.T. 0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Tgt Ion:	57	Resp:	197824
Ion	Ratio	Lower	Upper
57	100		
41	99.9	70.9	106.3
43	226.3	170.4	255.6
56	59.9	42.6	64.0





#27

Carbon Disulfide

Concen: 0.424 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Instrument :

MSVOA_L

ClientSampleId :

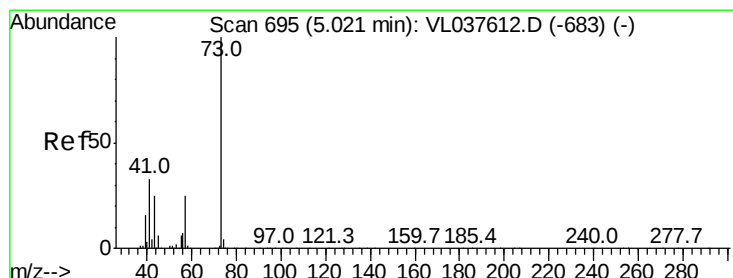
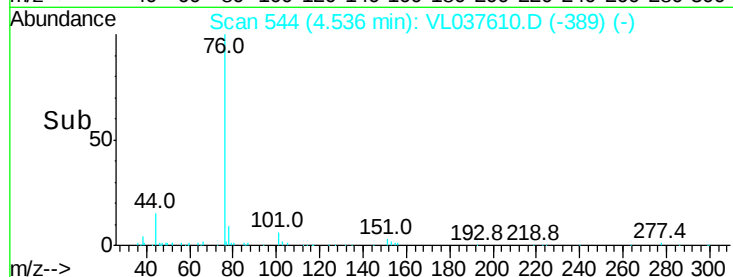
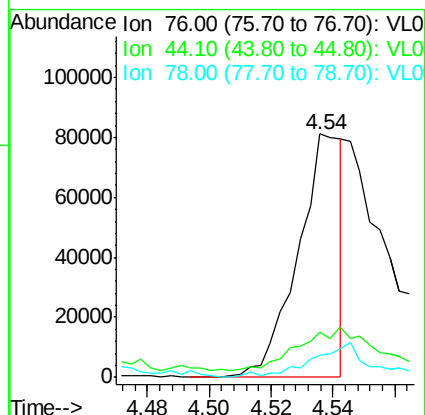
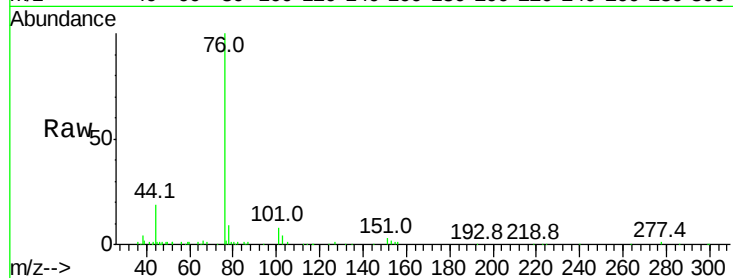
Tgt Ion: 76 Resp: 80106

Ion Ratio Lower Upper

76 100

44 42.1 14.2 21.2#

78 21.6 7.4 11.0#



#28

Methyl tert-Butyl Ether

Concen: 0.690 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.01 min

Lab File: VL037610.D

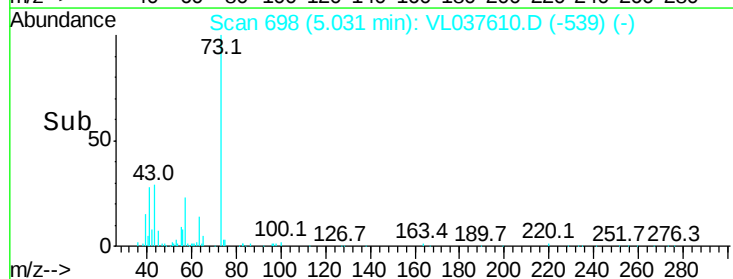
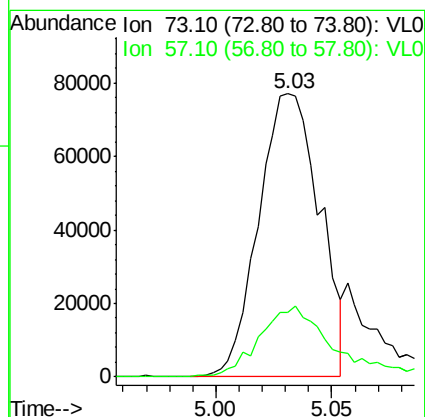
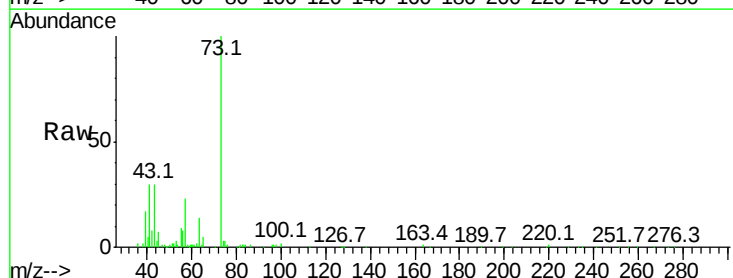
Acq: 16 Sep 2021 8:47

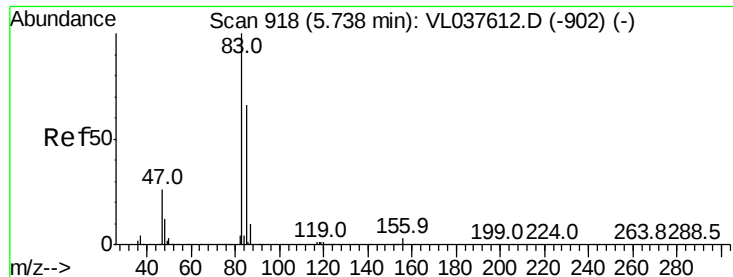
Tgt Ion: 73 Resp: 140361

Ion Ratio Lower Upper

73 100

57 31.5 20.1 30.1#

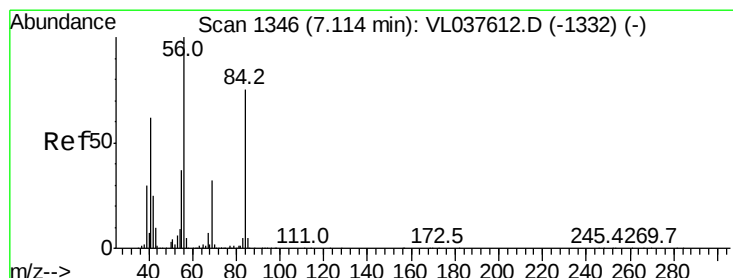
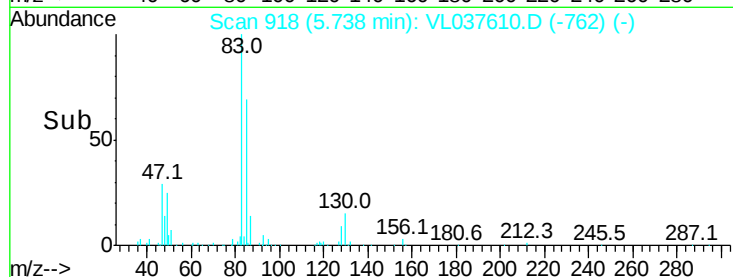
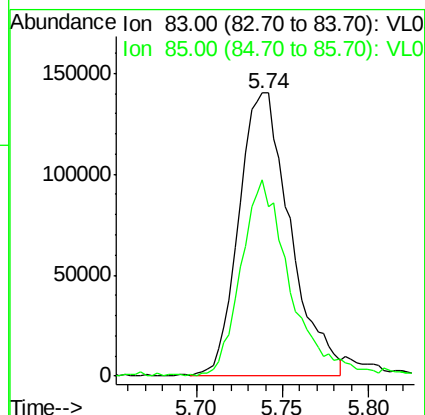
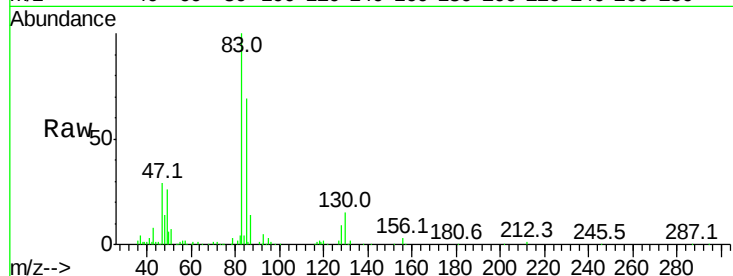




#29
Chloroform
Concen: 0.963 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037610.D
Acq: 16 Sep 2021 8:47

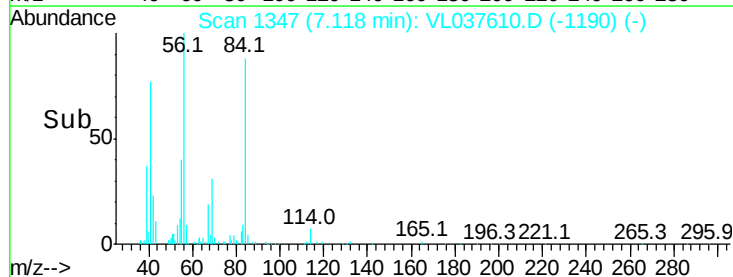
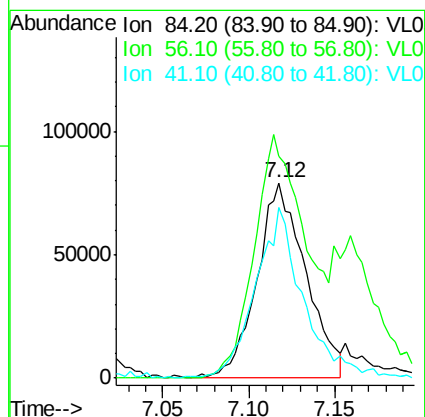
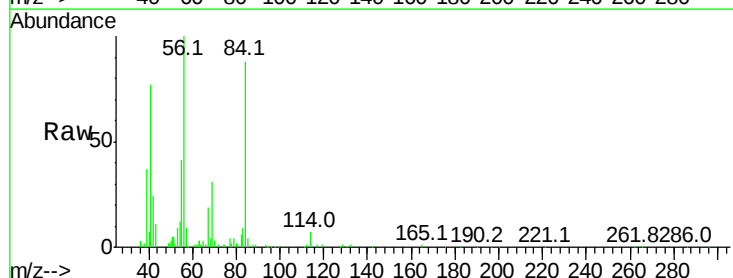
Instrument :
MSVOA_L
ClientSampleId :

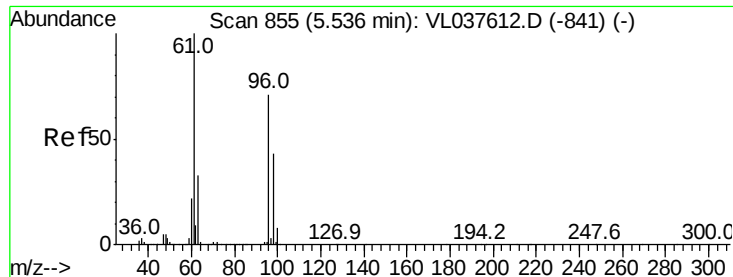
Tgt Ion: 83 Resp: 289204
Ion Ratio Lower Upper
83 100
85 68.9 52.6 79.0



#30
Cyclohexane
Concen: 0.881 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VL037610.D
Acq: 16 Sep 2021 8:47

Tgt Ion: 84 Resp: 155604
Ion Ratio Lower Upper
84 100
56 199.1 113.6 170.4#
41 87.0 67.9 101.9



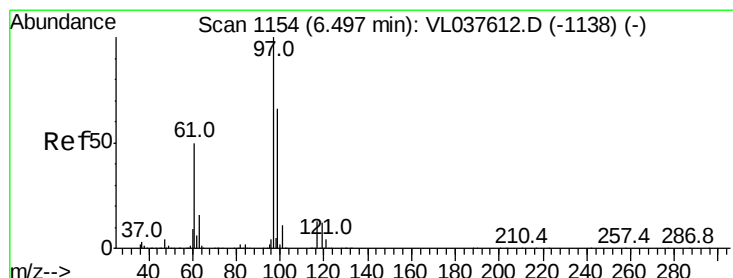
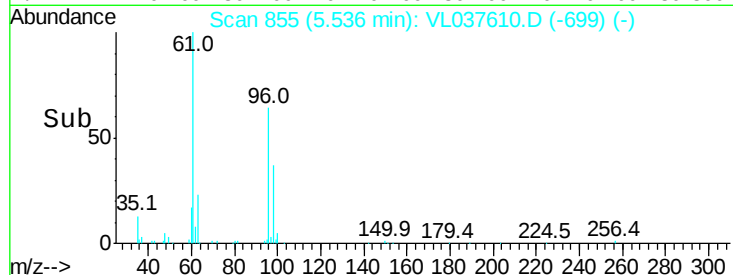
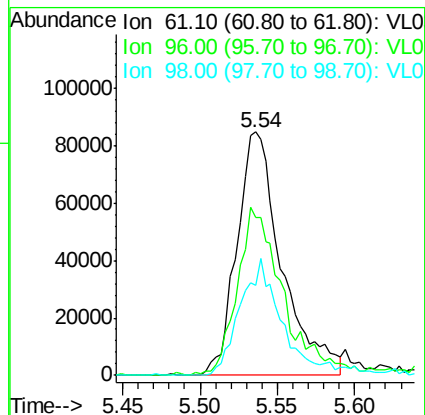
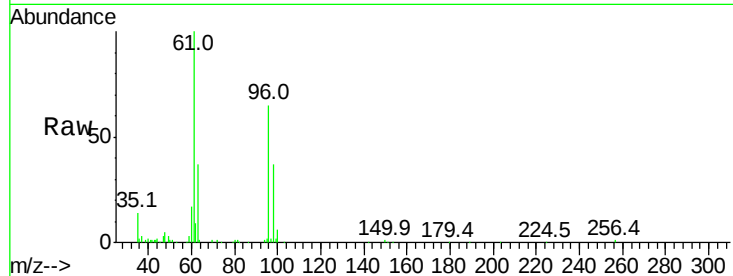


#31

cis-1,2-Dichloroethene
 Concen: 0.892 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL037610.D
 Acq: 16 Sep 2021 8:47

Instrument :
 MSVOA_L
 ClientSampleId :

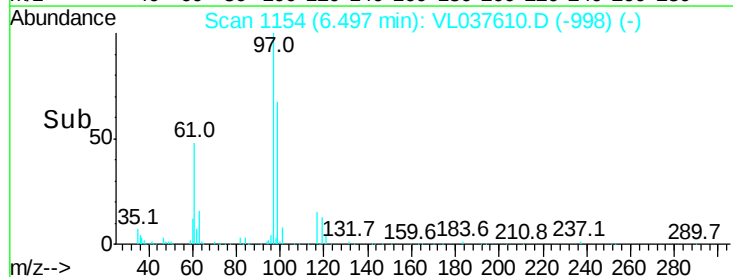
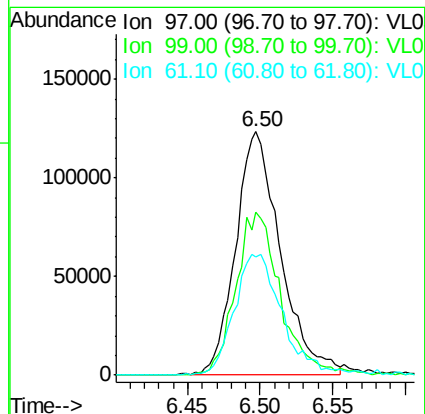
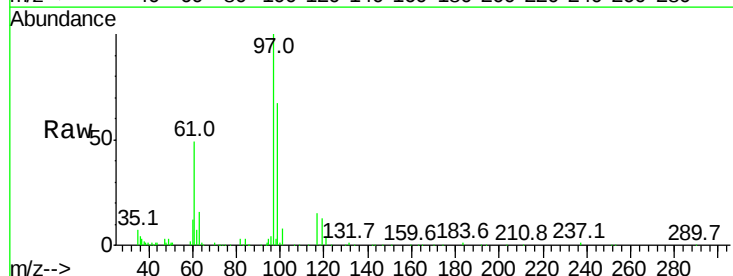
Tgt Ion	Ratio	Lower	Upper
61	100		
96	64.5	56.7	85.1
98	36.9	34.6	52.0

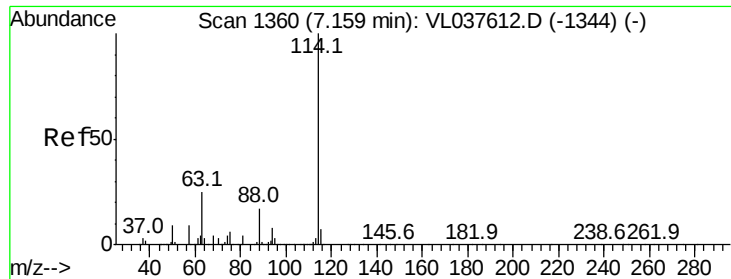


#32

1,1,1-Trichloroethane
 Concen: 0.901 ppbv
 RT: 6.50 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VL037610.D
 Acq: 16 Sep 2021 8:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.8	52.3	78.5
61	53.3	39.5	59.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. 0.00 min

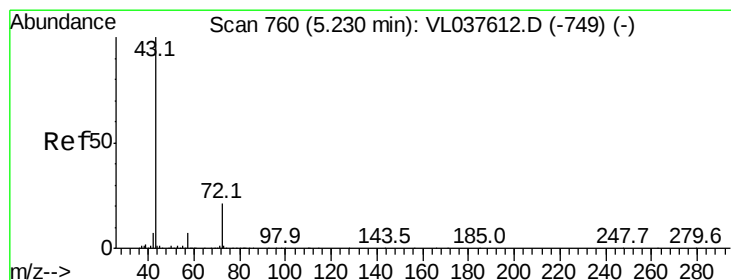
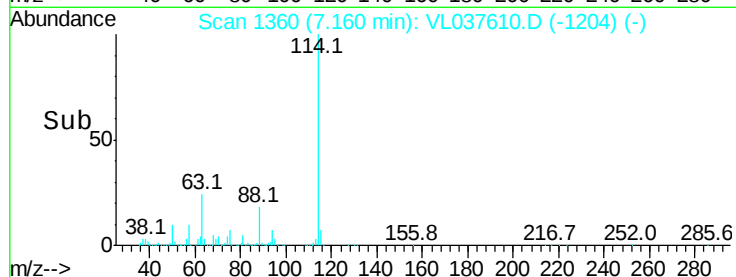
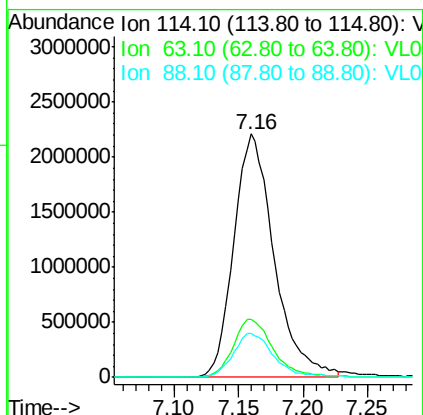
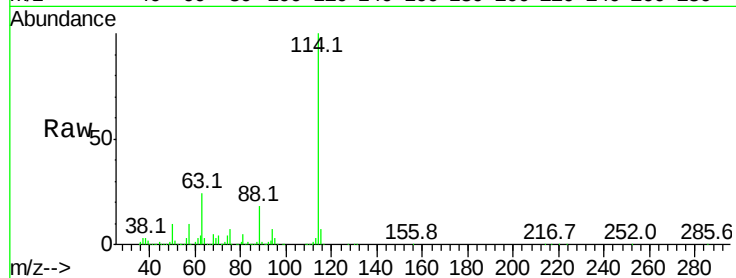
Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Instrument :
MSVOA_L
ClientSampled :

Tgt Ion: 114 Resp: 4810758

Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.6	29.4
88	18.3	14.2	21.4



#34

2-Butanone

Concen: 0.765 ppbv

RT: 5.24 min Scan# 764

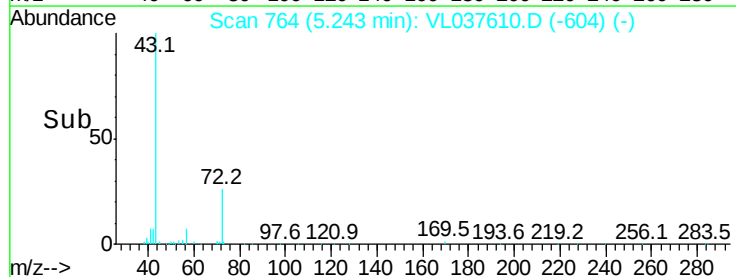
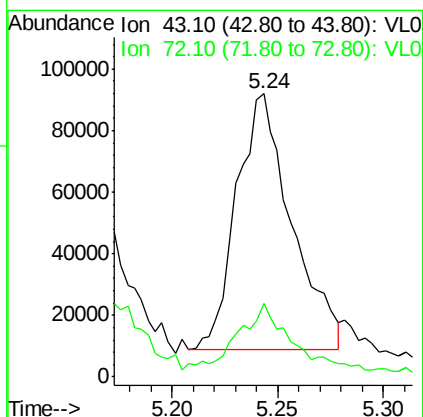
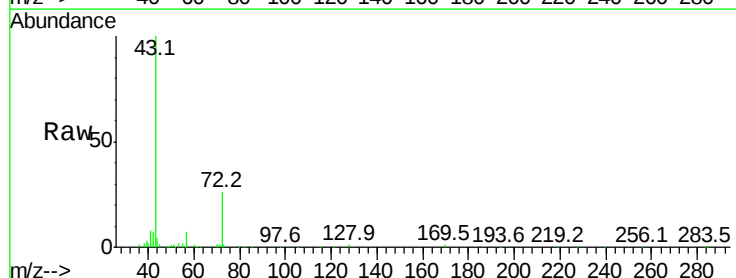
Delta R.T. 0.01 min

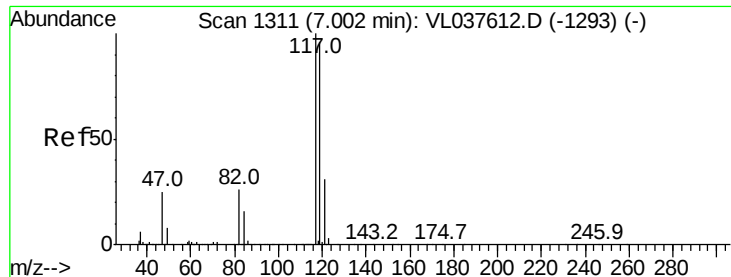
Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Tgt Ion: 43 Resp: 150355

Ion	Ratio	Lower	Upper
43	100		
72	33.4	18.4	27.6#





#35

Carbon Tetrachloride

Concen: 0.942 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Instrument :

MSVOA_L

ClientSampleId :

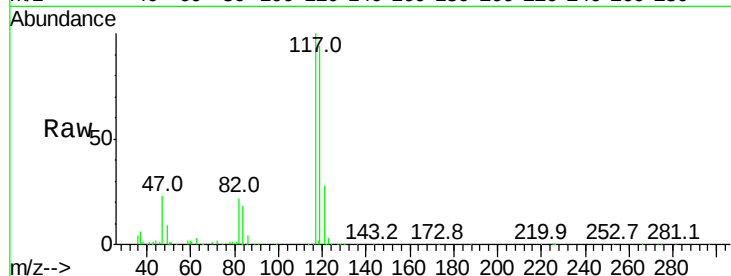
Tgt Ion:117 Resp: 267958

Ion Ratio Lower Upper

117 100

119 93.3 77.0 115.6

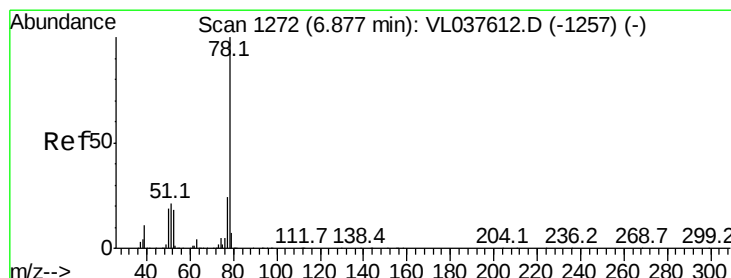
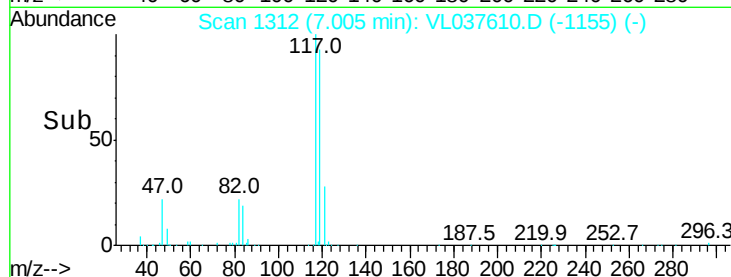
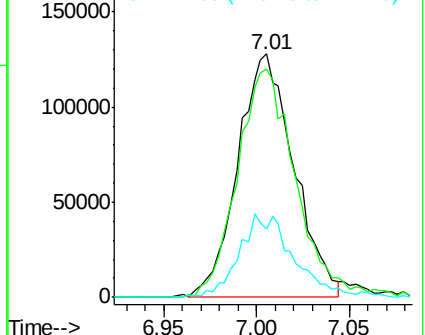
121 27.5 24.5 36.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.992 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

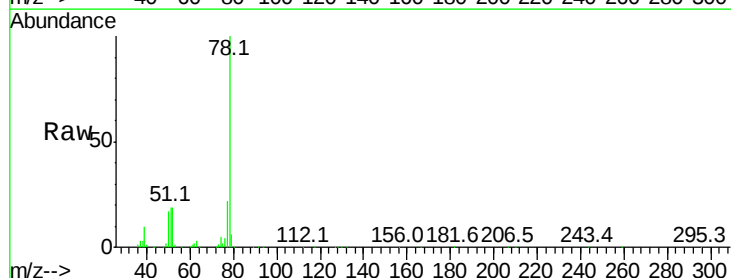
Tgt Ion: 78 Resp: 401127

Ion Ratio Lower Upper

78 100

77 22.1 19.0 28.4

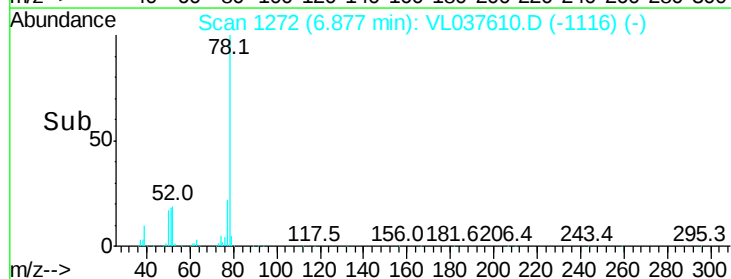
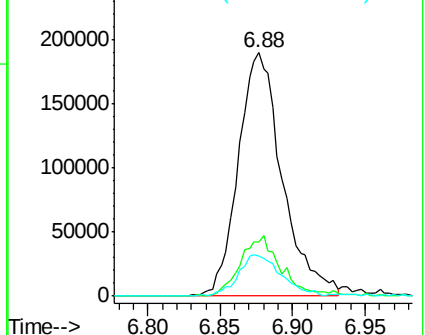
50 15.9 14.8 22.2

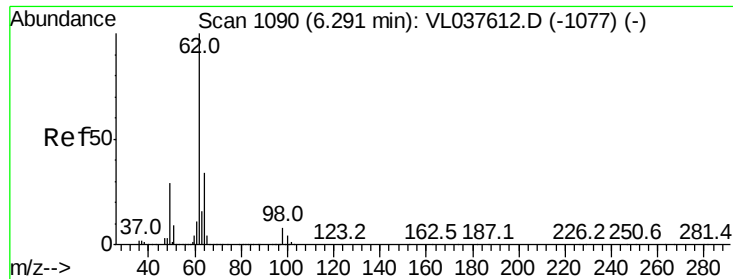


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

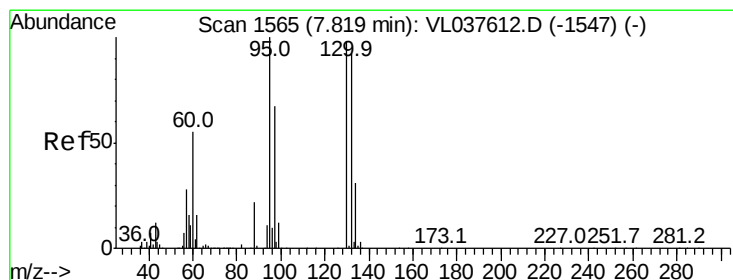
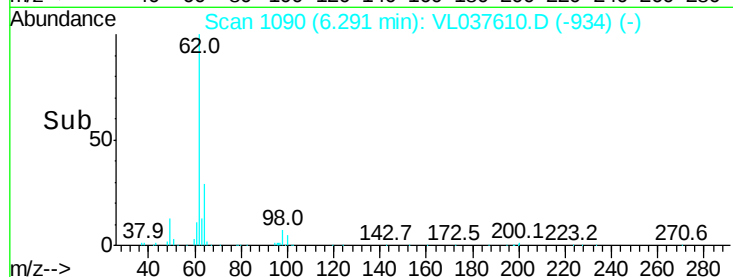
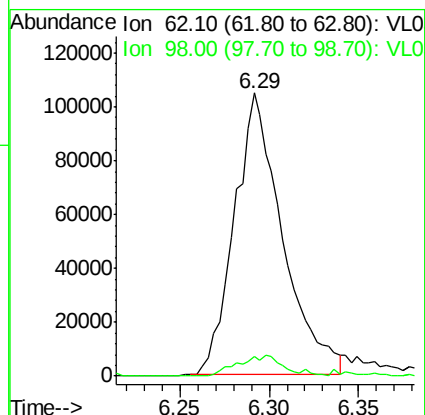
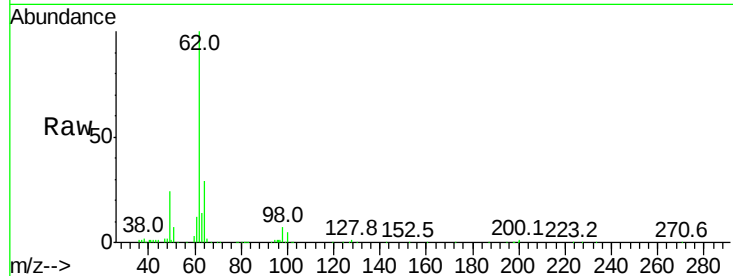




#37
 1,2-Dichloroethane
 Concen: 0.971 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VL037610.D
 Acq: 16 Sep 2021 8:47

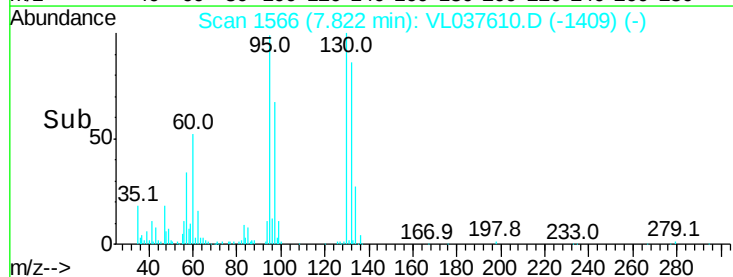
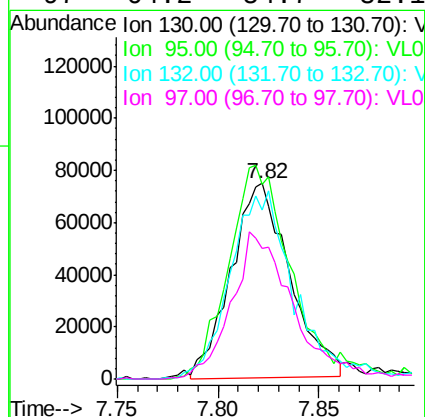
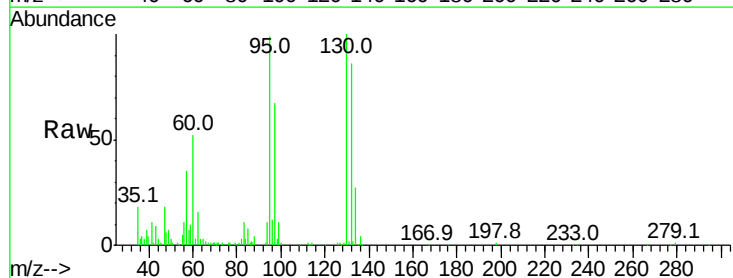
Instrument :
 MSVOA_L
 ClientSampleId :

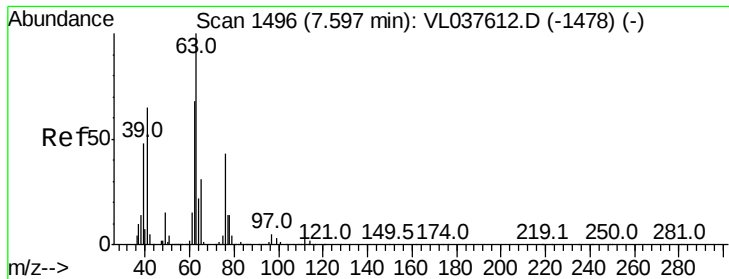
Tgt Ion: 62 Resp: 194540
 Ion Ratio Lower Upper
 62 100
 98 7.5 6.1 9.1



#38
 Trichloroethene
 Concen: 0.916 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VL037610.D
 Acq: 16 Sep 2021 8:47

Tgt Ion: 130 Resp: 152001
 Ion Ratio Lower Upper
 130 100
 95 95.7 81.8 122.6
 132 83.2 75.3 112.9
 97 64.2 54.7 82.1

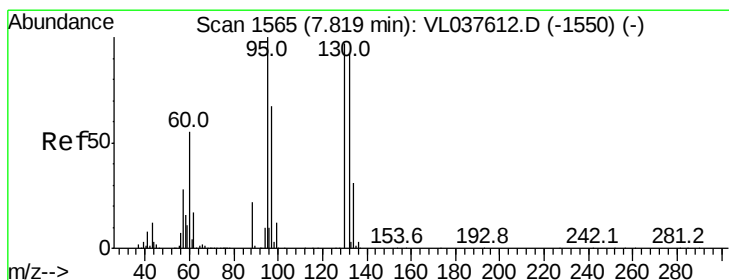
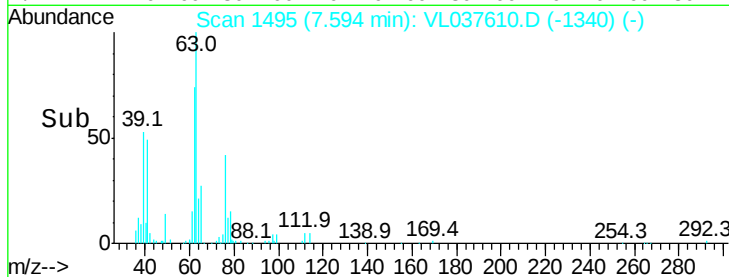
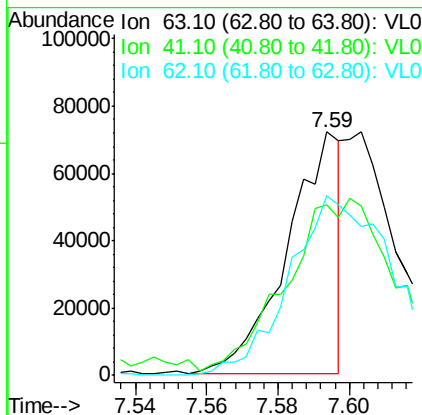
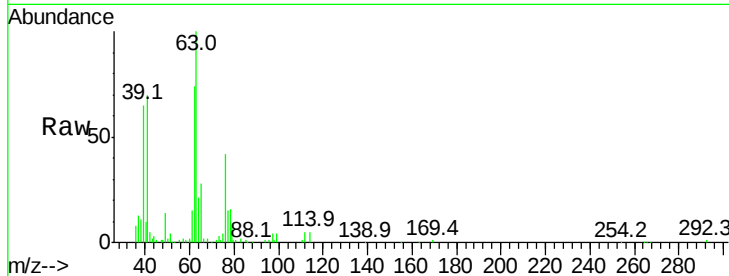




#39
 1,2-Dichloropropane
 Concen: 0.479 ppbv
 RT: 7.59 min Scan# 1495
 Delta R.T. -0.00 min
 Lab File: VL037610.D
 Acq: 16 Sep 2021 8:47

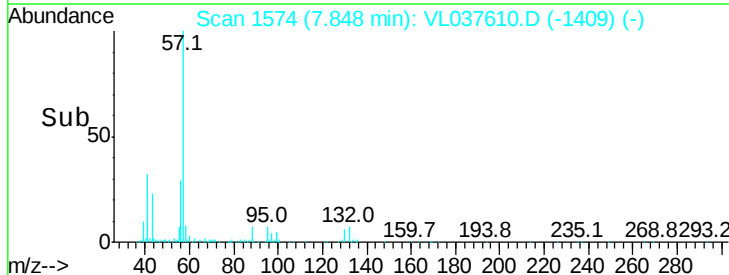
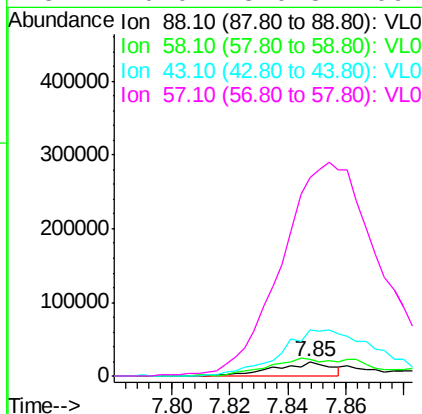
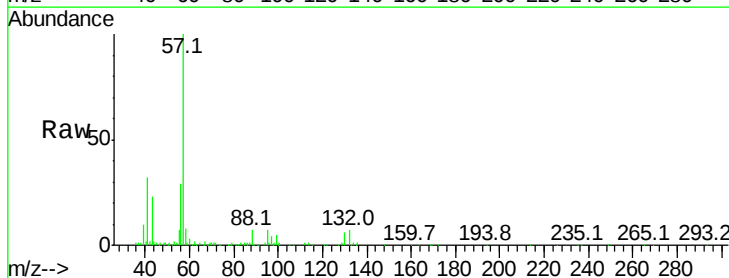
Instrument :
 MSVOA_L
 ClientSampleId :

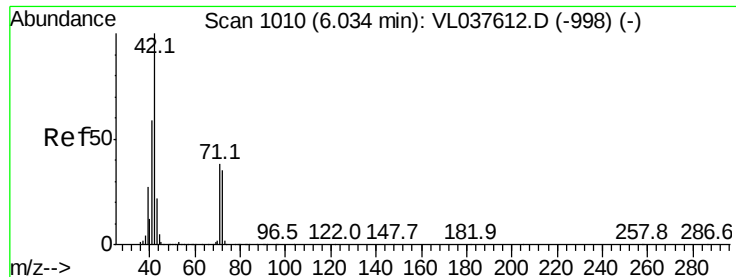
Tgt Ion: 63 Resp: 74419
 Ion Ratio Lower Upper
 63 100
 41 64.6 51.6 77.4
 62 74.4 54.6 81.8



#40
 1,4-Dioxane
 Concen: 0.691 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.03 min
 Lab File: VL037610.D
 Acq: 16 Sep 2021 8:47

Tgt Ion: 88 Resp: 26293
 Ion Ratio Lower Upper
 88 100
 58 243.7 122.4 183.6#
 43 0.0 297.4 446.0#
 57 0.0 1329.8 1994.8#





#41

Tetrahydrofuran

Concen: 0.272 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VL037610.D

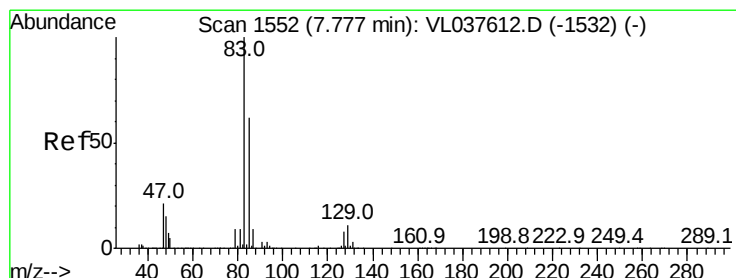
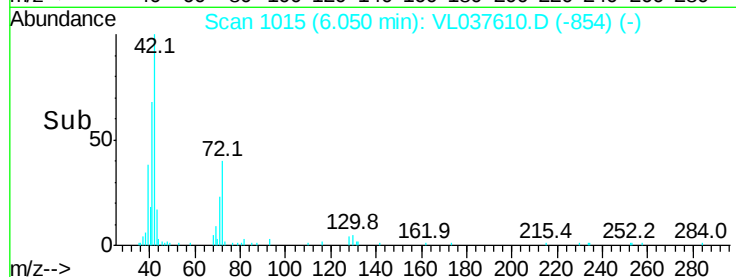
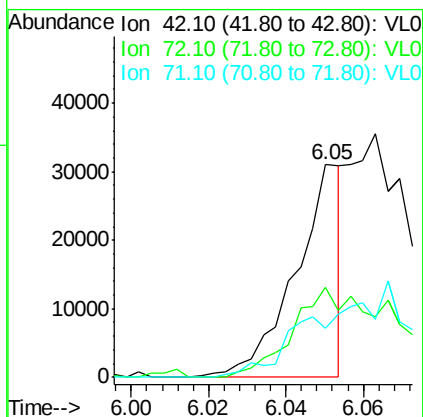
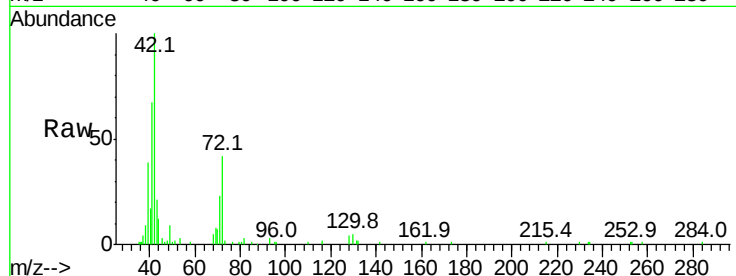
Acq: 16 Sep 2021 8:47

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	42	Resp:	25719
Ion	Ratio	Lower	Upper
42	100		
72	123.4	31.4	47.2#
71	0.0	30.6	46.0#



#42

Bromodichloromethane

Concen: 0.914 ppbv

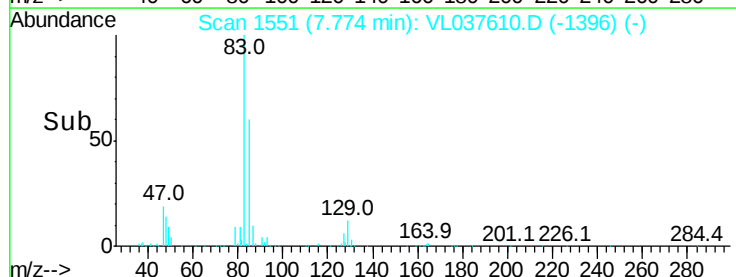
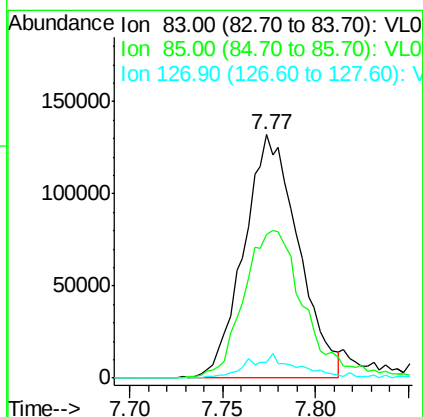
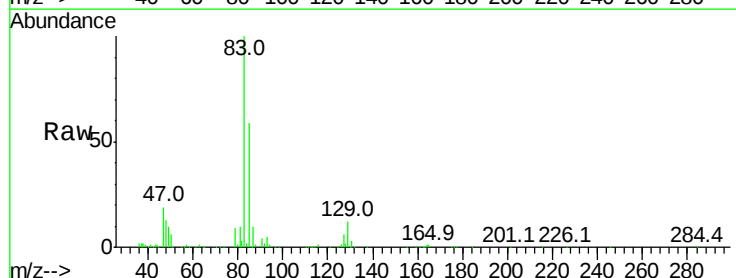
RT: 7.77 min Scan# 1551

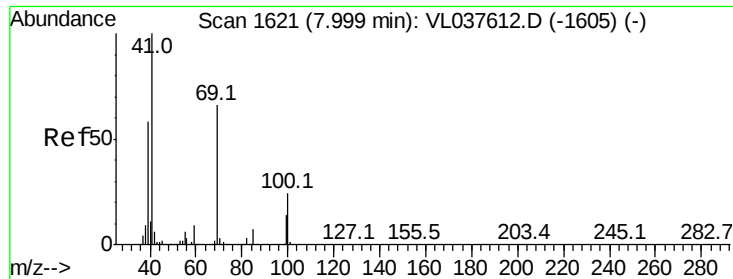
Delta R.T. -0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Tgt Ion:	83	Resp:	267608
Ion	Ratio	Lower	Upper
83	100		
85	58.5	49.8	74.6
127	6.4	6.4	9.6#





#43

Methyl Methacrylate

Concen: 0.500 ppbv

RT: 8.00 min Scan# 1621

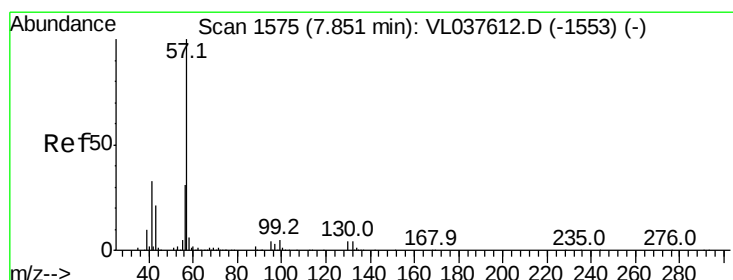
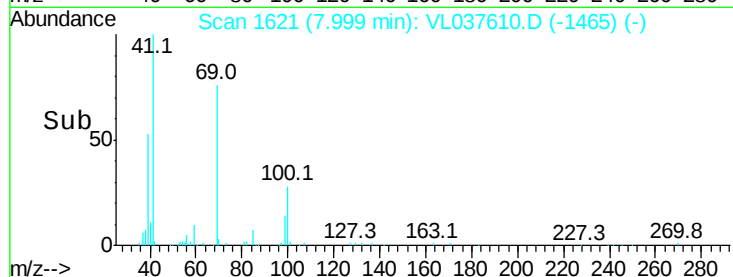
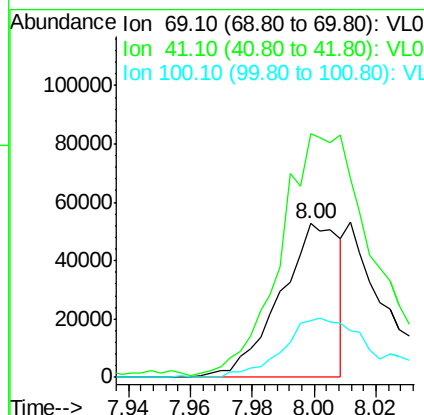
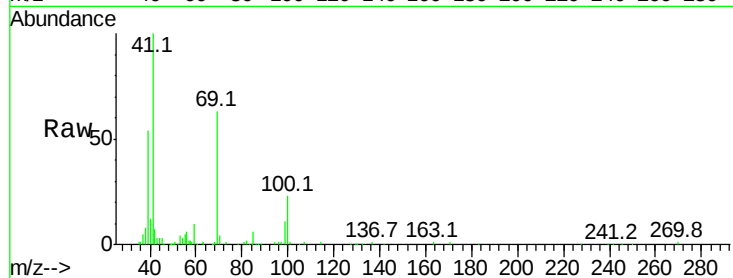
Delta R.T. 0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Instrument :
MSVOA_L
ClientSampled :

Tgt Ion: 69 Resp: 70419
Ion Ratio Lower Upper
69 100
41 260.8 119.0 178.4#
100 61.0 27.6 41.4#



#44

2,2,4-Trimethylpentane

Concen: 1.015 ppbv

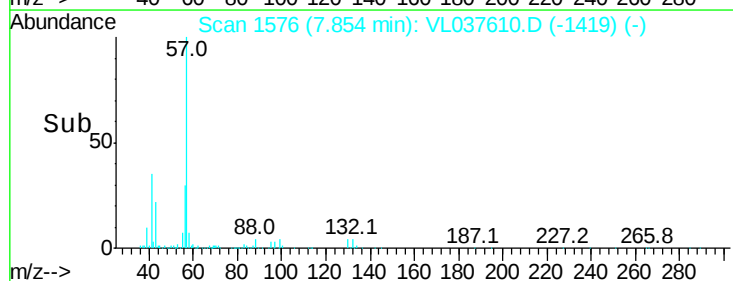
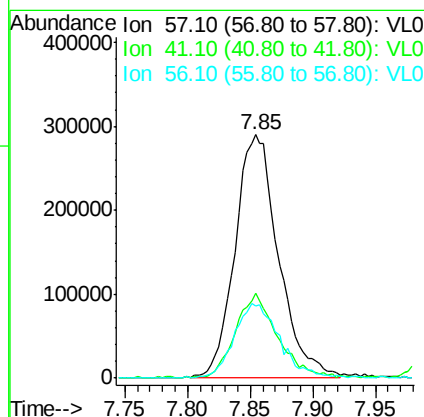
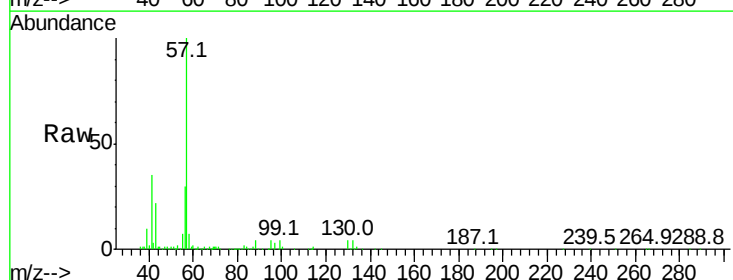
RT: 7.85 min Scan# 1576

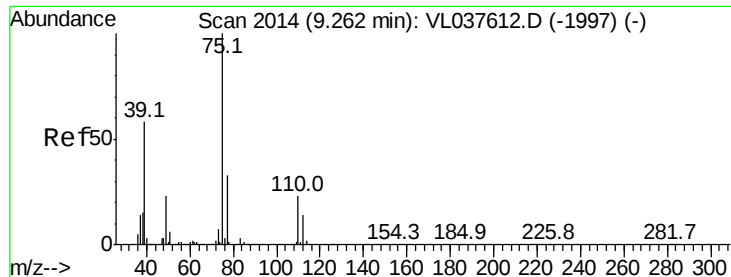
Delta R.T. 0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Tgt Ion: 57 Resp: 690676
Ion Ratio Lower Upper
57 100
41 34.2 26.1 39.1
56 32.8 25.7 38.5

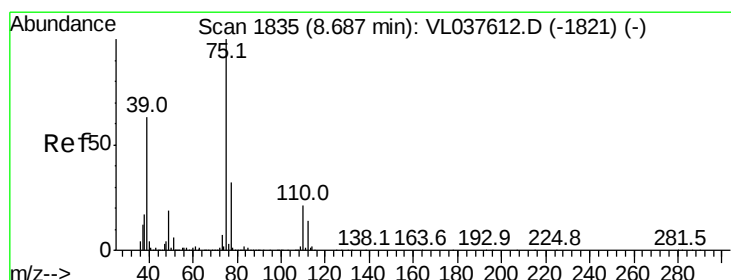
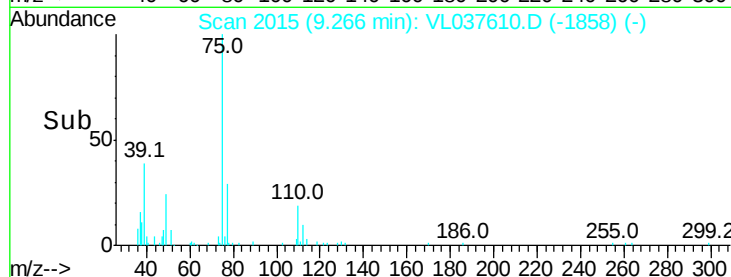
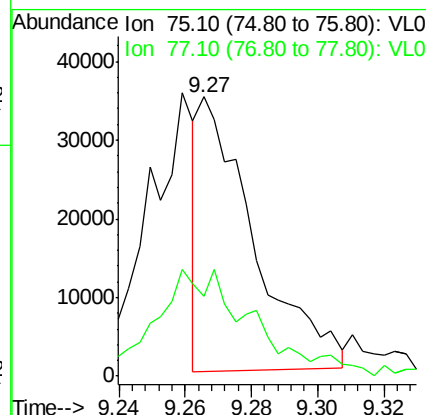
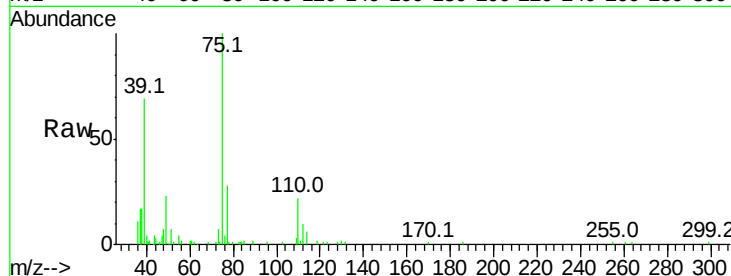




#45
t-1,3-Dichloropropene
Concen: 0.377 ppbv
RT: 9.27 min Scan# 2015
Delta R.T. 0.00 min
Lab File: VL037610.D
Acq: 16 Sep 2021 8:47

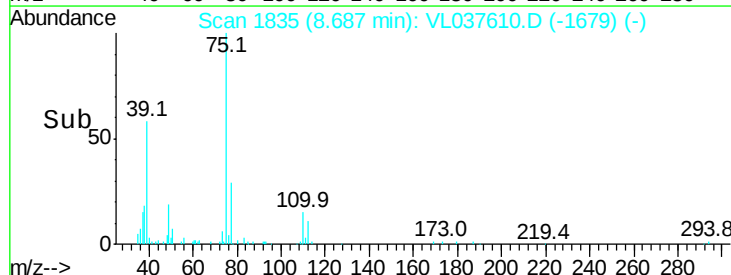
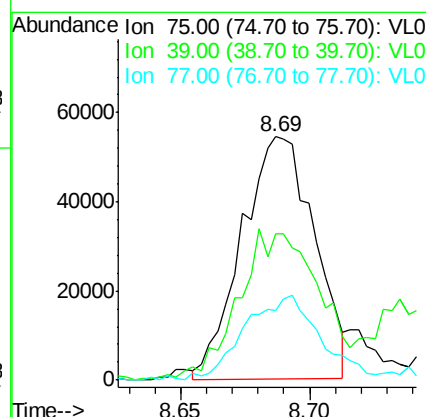
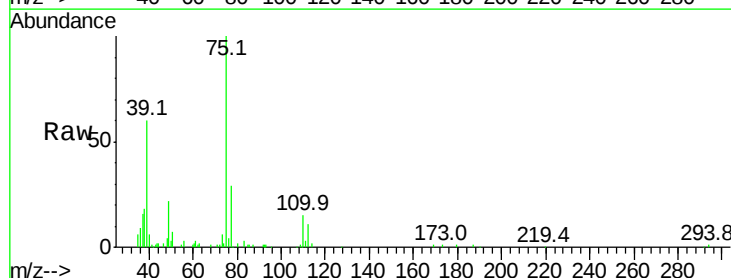
Instrument :
MSVOA_L
ClientSampled :

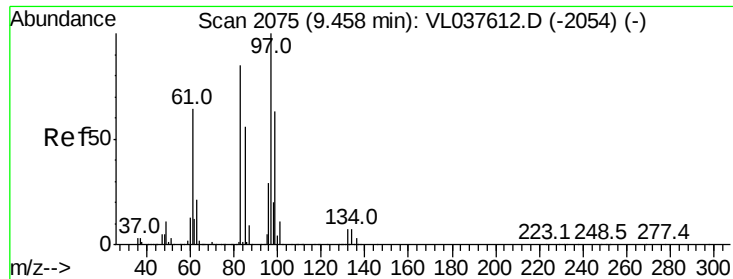
Tgt Ion: 75 Resp: 39988
Ion Ratio Lower Upper
75 100
77 28.5 26.3 39.5



#46
cis-1,3-Dichloropropene
Concen: 0.722 ppbv
RT: 8.69 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VL037610.D
Acq: 16 Sep 2021 8:47

Tgt Ion: 75 Resp: 106833
Ion Ratio Lower Upper
75 100
39 57.2 50.2 75.4
77 27.2 25.2 37.8

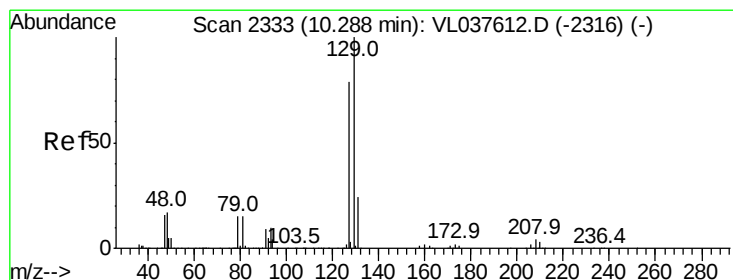
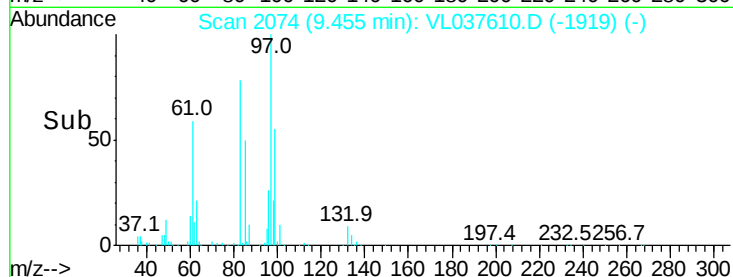
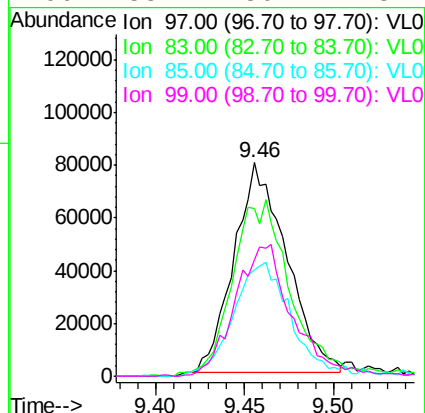
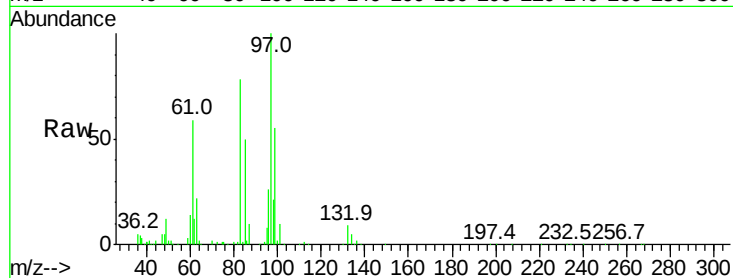




#47
 1,1,2-Trichloroethane
 Concen: 0.973 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL037610.D
 Acq: 16 Sep 2021 8:47

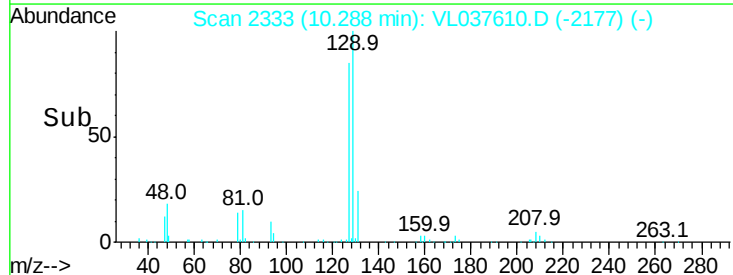
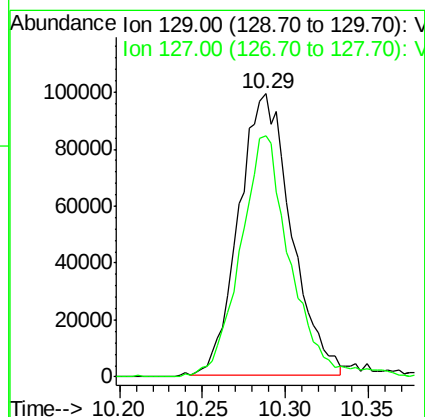
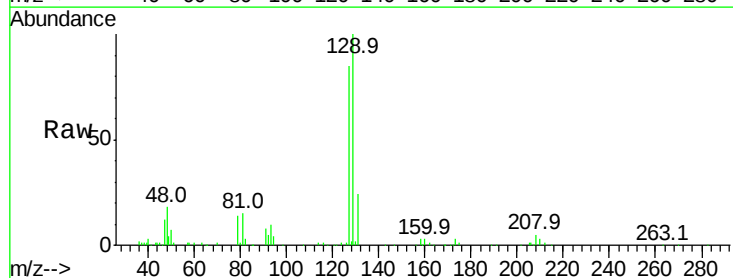
Instrument :
 MSVOA_L
 ClientSampleId :

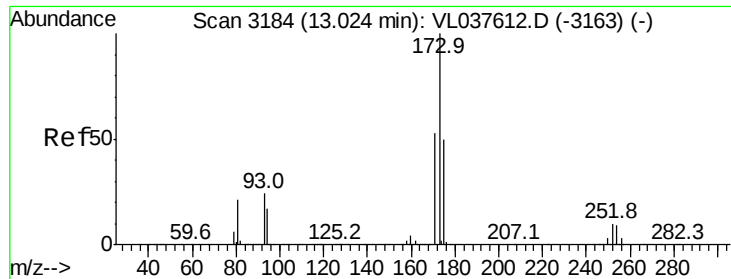
Tgt Ion: 97 Resp: 163348
 Ion Ratio Lower Upper
 97 100
 83 77.8 67.9 101.9
 85 48.9 44.8 67.2
 99 55.1 50.1 75.1



#48
 Dibromochloromethane
 Concen: 0.897 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. 0.00 min
 Lab File: VL037610.D
 Acq: 16 Sep 2021 8:47

Tgt Ion: 129 Resp: 216660
 Ion Ratio Lower Upper
 129 100
 127 82.7 39.3 117.8





#49

Bromoform

Concen: 0.888 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.01 min

Lab File: VL037610.D

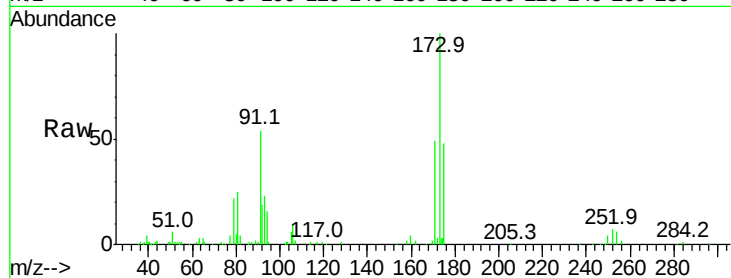
Acq: 16 Sep 2021 8:47

Instrument :

MSVOA_L

ClientSampleId :

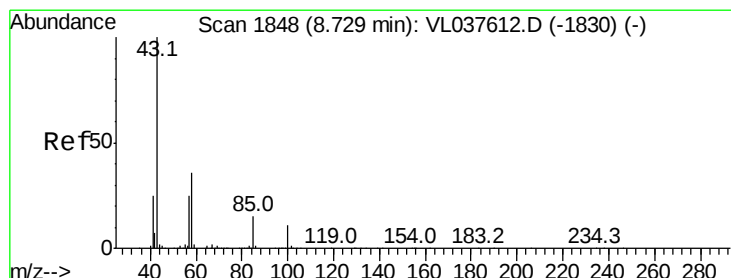
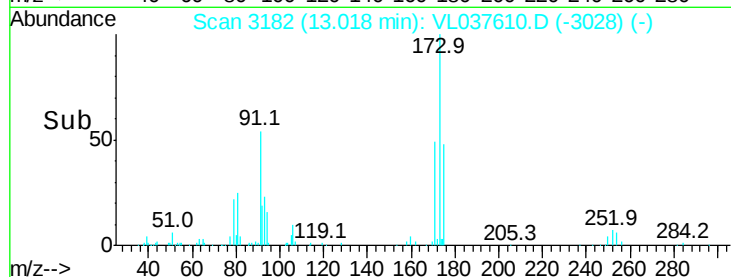
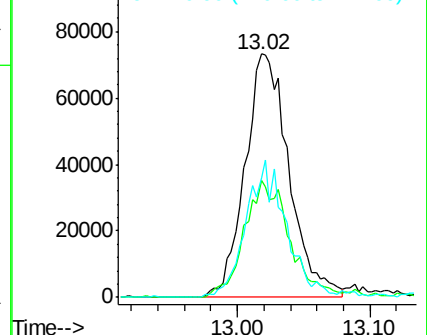
Tgt Ion:	173	Resp:	169132
Ion	Ratio	Lower	Upper
173	100		
175	51.6	39.8	59.8
171	52.3	42.2	63.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.913 ppbv

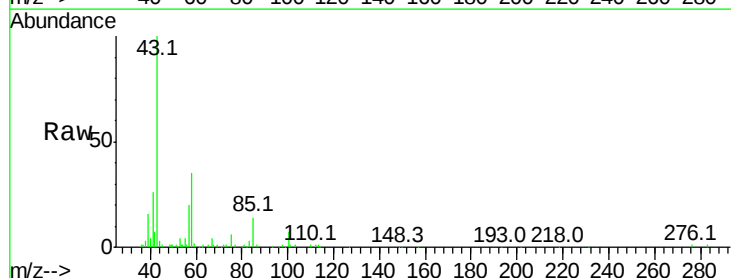
RT: 8.74 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VL037610.D

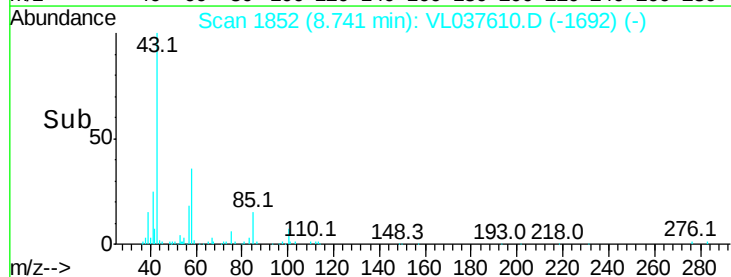
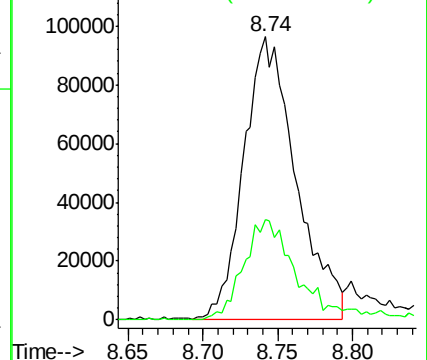
Acq: 16 Sep 2021 8:47

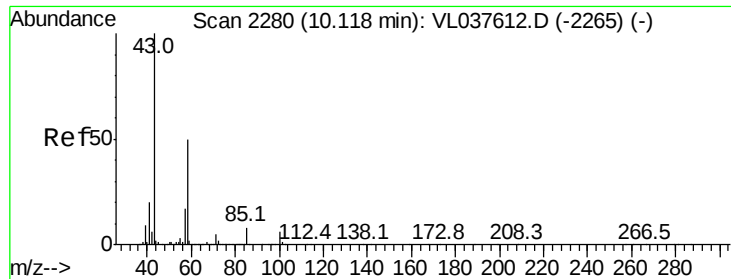
Tgt Ion:	43	Resp:	233877
Ion	Ratio	Lower	Upper
43	100		
58	38.2	29.4	44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

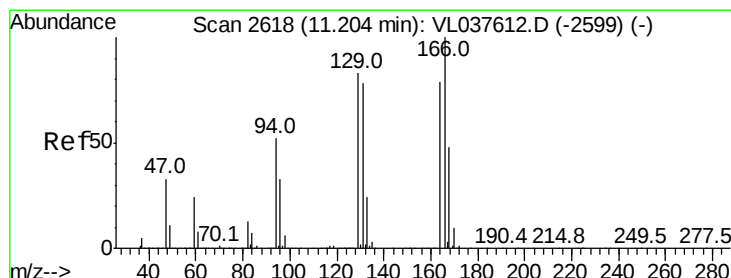
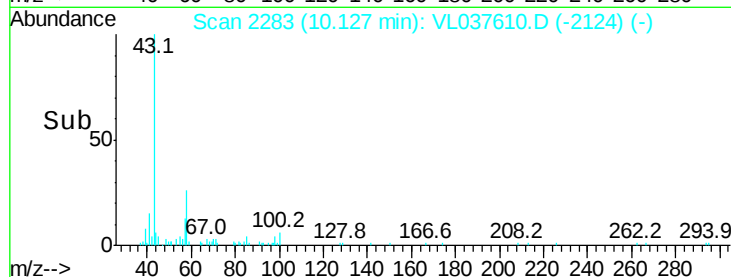
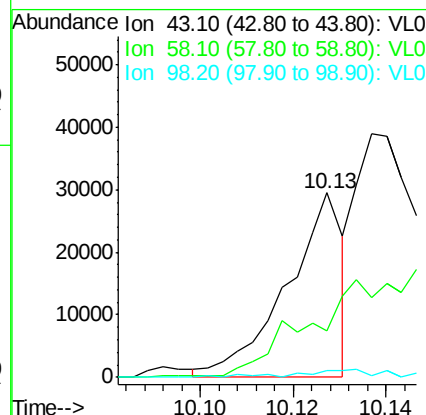
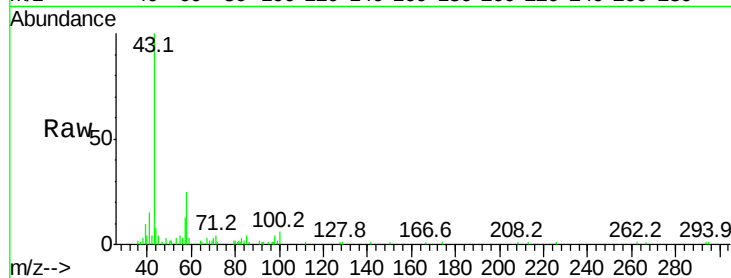




#51
2-Hexanone
Concen: 0.209 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. 0.01 min
Lab File: VL037610.D
Acq: 16 Sep 2021 8:47

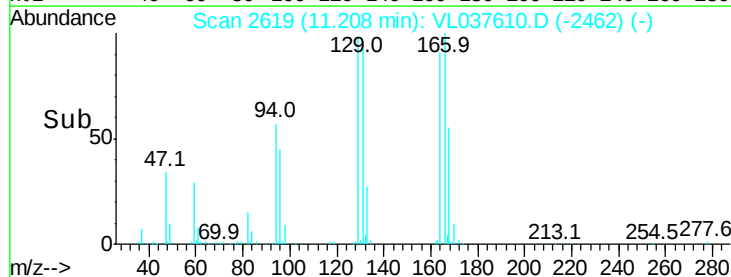
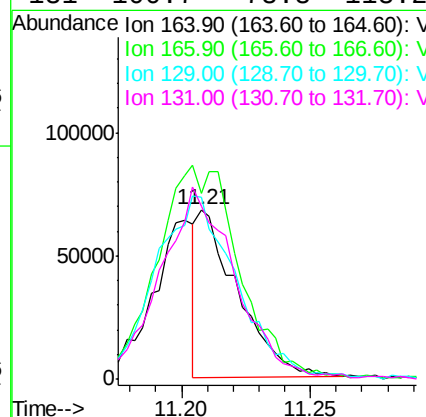
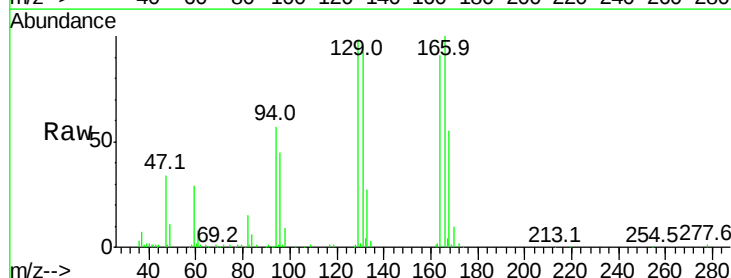
Instrument :
MSVOA_L
ClientSampled :

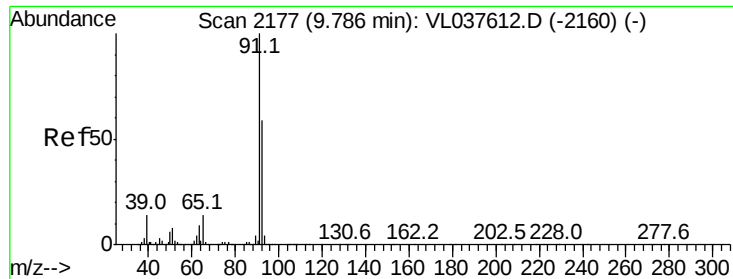
Tgt Ion: 43 Resp: 24669
Ion Ratio Lower Upper
43 100
58 0.0 39.3 58.9#
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.445 ppbv
RT: 11.21 min Scan# 2619
Delta R.T. 0.00 min
Lab File: VL037610.D
Acq: 16 Sep 2021 8:47

Tgt Ion: 164 Resp: 73690
Ion Ratio Lower Upper
164 100
166 109.2 101.2 151.8
129 106.2 84.0 126.0
131 100.7 78.8 118.2





#53

Toluene

Concen: 0.936 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Instrument :

MSVOA_L

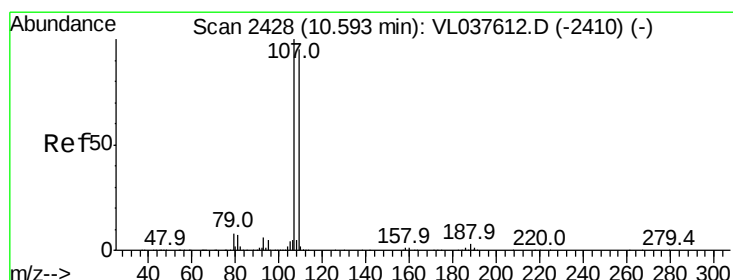
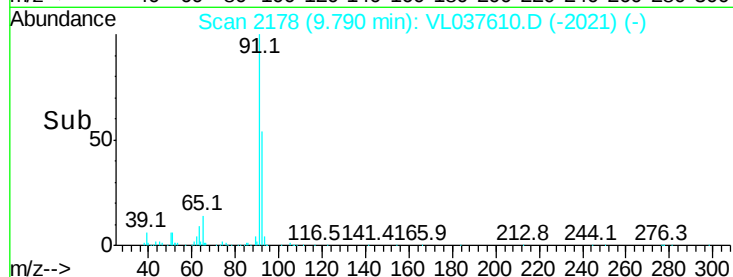
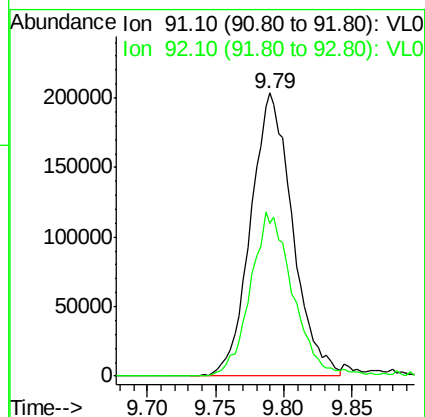
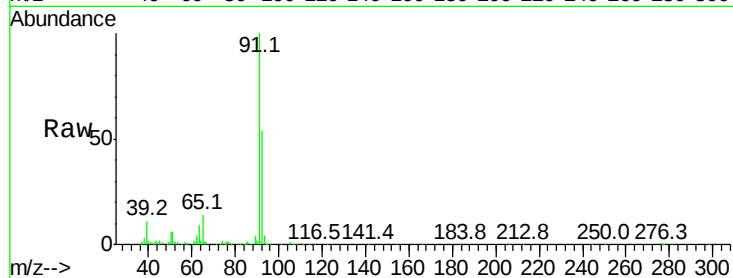
ClientSampleId :

Tgt Ion: 91 Resp: 432348

Ion Ratio Lower Upper

91 100

92 59.2 48.9 73.3



#54

1,2-Dibromoethane

Concen: 0.942 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.00 min

Lab File: VL037610.D

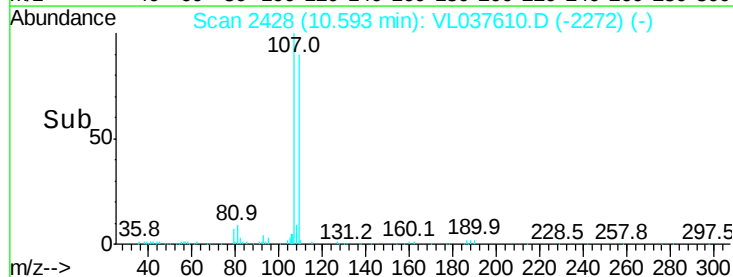
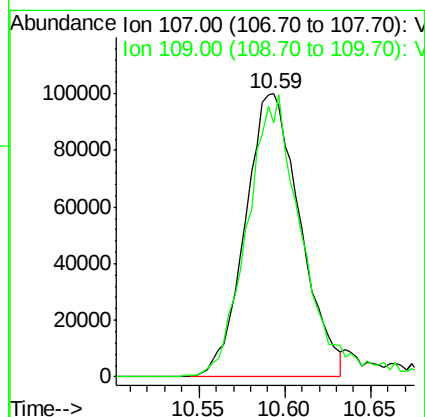
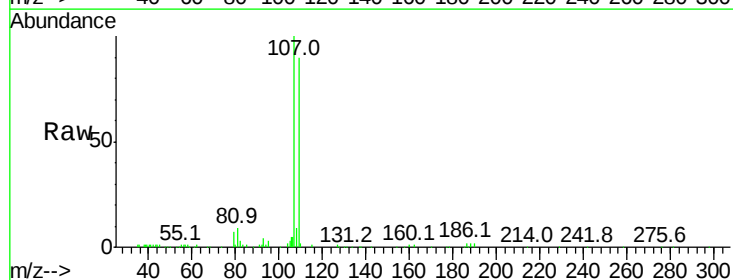
Acq: 16 Sep 2021 8:47

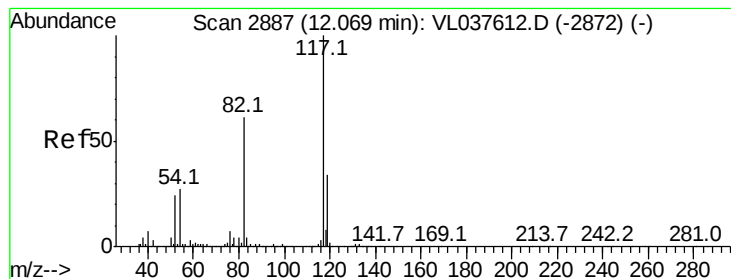
Tgt Ion: 107 Resp: 220747

Ion Ratio Lower Upper

107 100

109 89.4 76.0 114.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Instrument :

MSVOA_L

ClientSampleId :

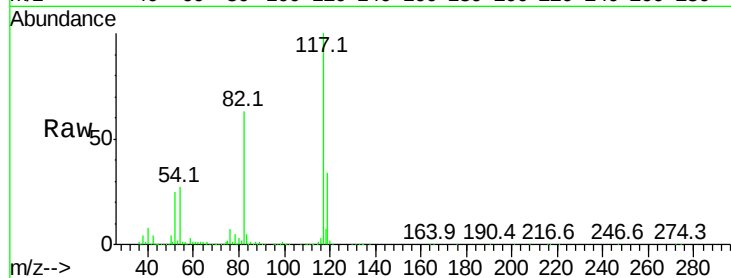
Tgt Ion:117 Resp: 4393910

Ion Ratio Lower Upper

117 100

82 62.0 50.6 75.8

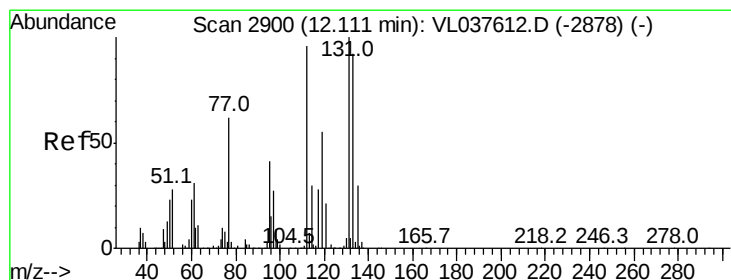
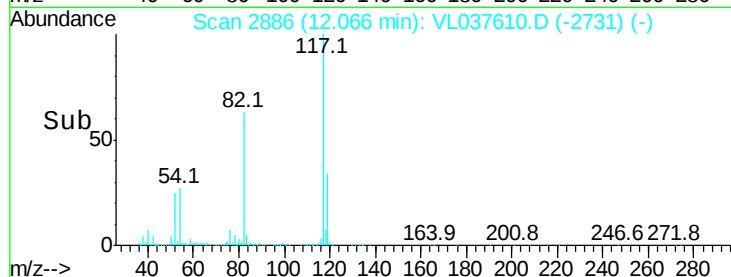
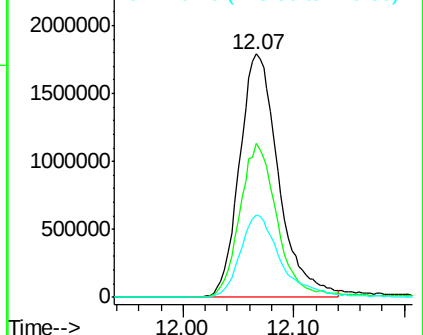
119 35.4 26.2 39.2



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.475 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

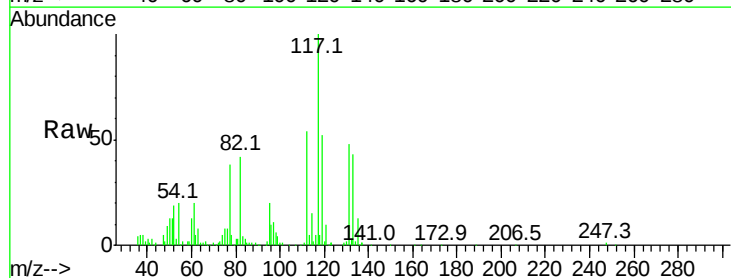
Tgt Ion:131 Resp: 87007

Ion Ratio Lower Upper

131 100

133 203.7 76.8 115.2#

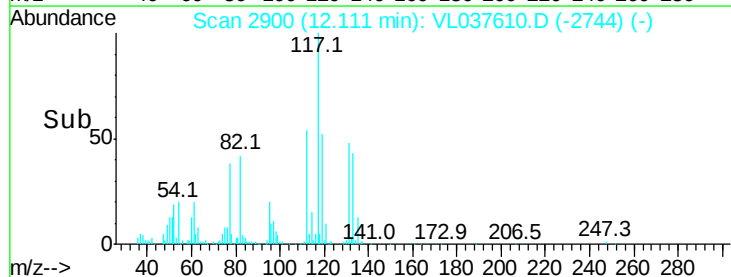
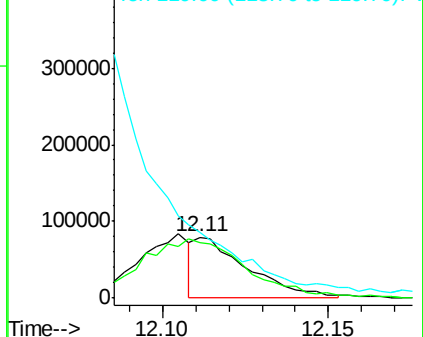
119 0.0 47.8 71.8#

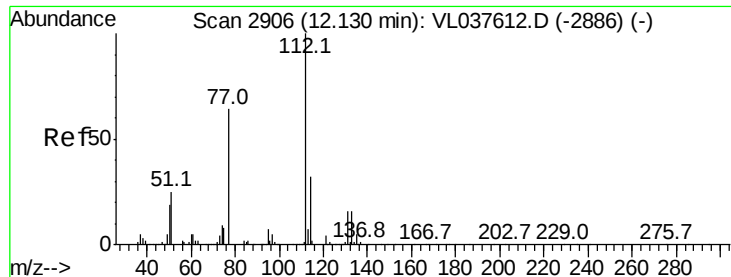


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 1.042 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. -0.01 min

Lab File: VL037610.D

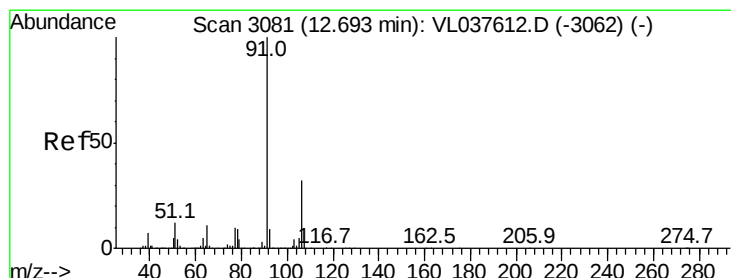
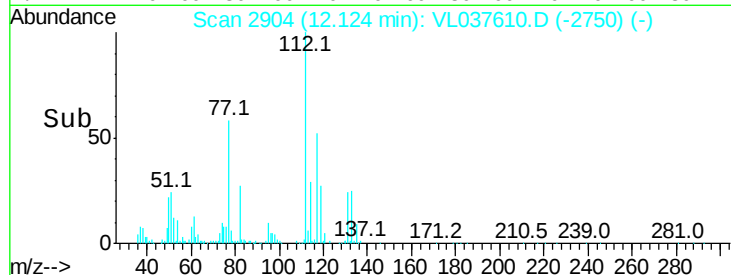
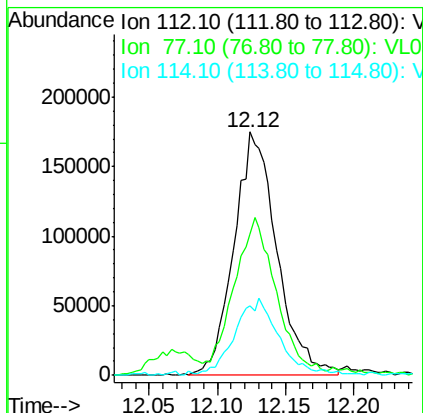
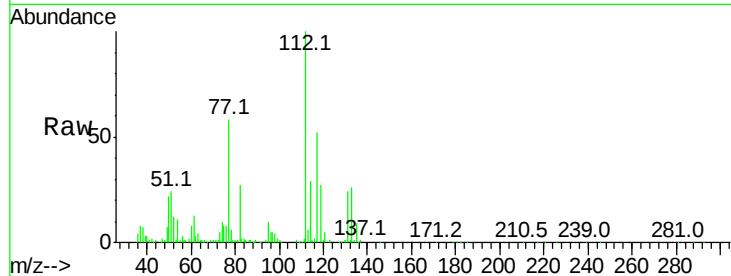
Acq: 16 Sep 2021 8:47

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	112	Resp:	379859
Ion Ratio	Lower	Upper	
112	100		
77	56.2	52.1	78.1
114	27.3	29.2	35.6#



#58

Ethyl Benzene

Concen: 0.406 ppbv

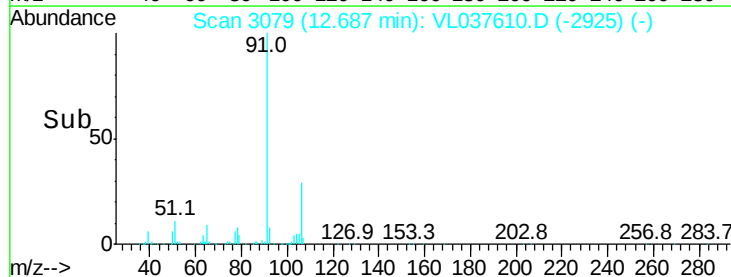
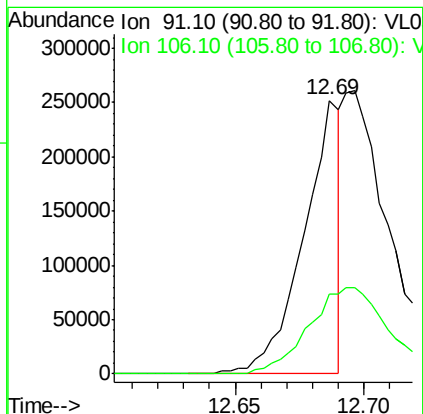
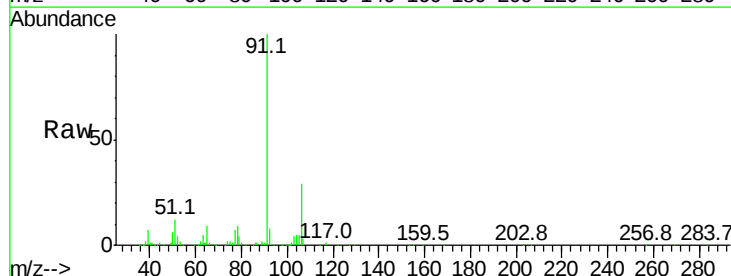
RT: 12.69 min Scan# 3079

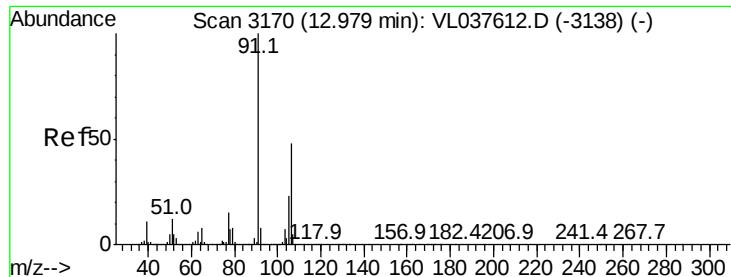
Delta R.T. -0.01 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Tgt Ion:	91	Resp:	247646
Ion Ratio	Lower	Upper	
91	100		
106	29.4	25.3	37.9

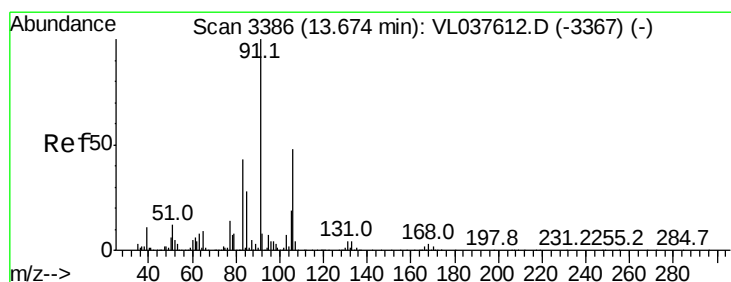
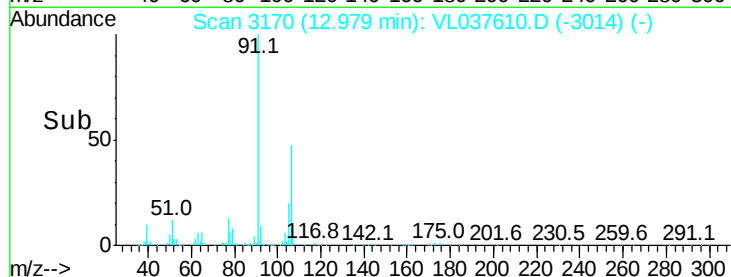
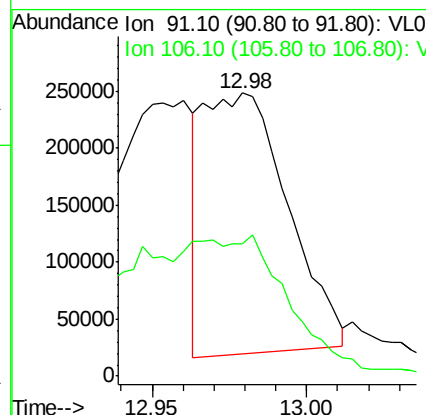
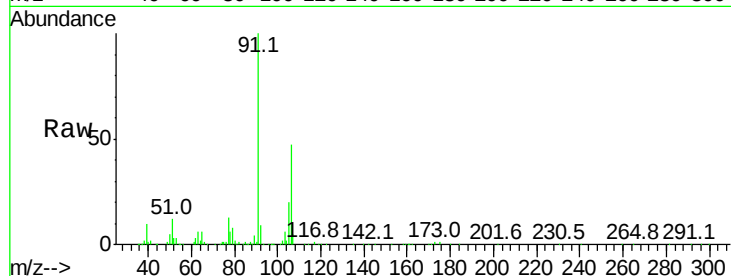




#59
m/p-Xylene
Concen: 0.816 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VL037610.D
Acq: 16 Sep 2021 8:47

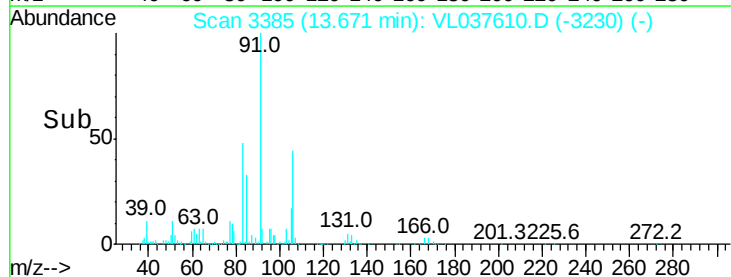
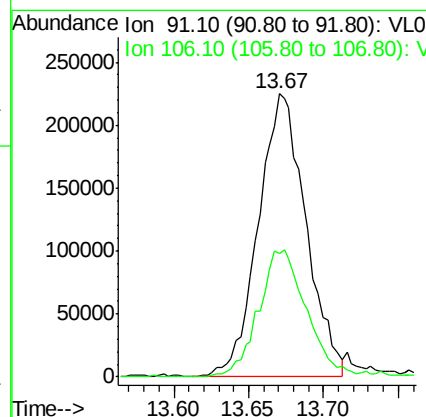
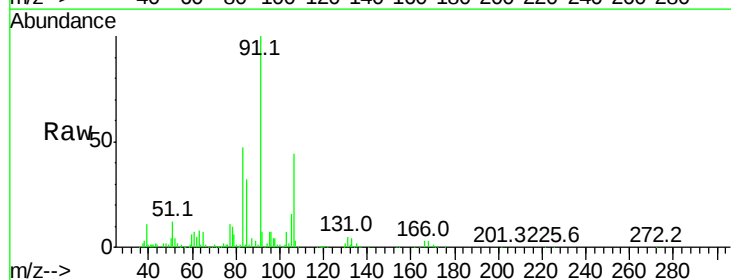
Instrument :
MSVOA_L
ClientSampleId :

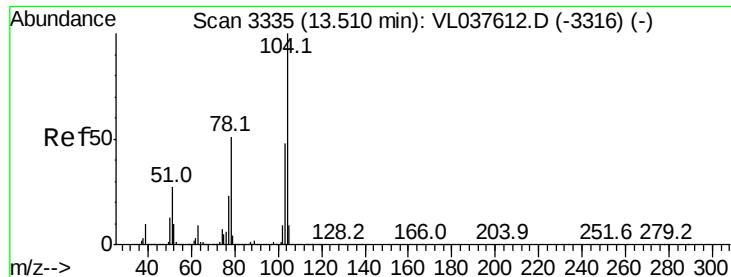
Tgt Ion: 91 Resp: 431331
Ion Ratio Lower Upper
91 100
106 107.6 36.6 55.0#



#60
o-Xylene
Concen: 1.005 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037610.D
Acq: 16 Sep 2021 8:47

Tgt Ion: 91 Resp: 495724
Ion Ratio Lower Upper
91 100
106 47.1 23.0 69.0

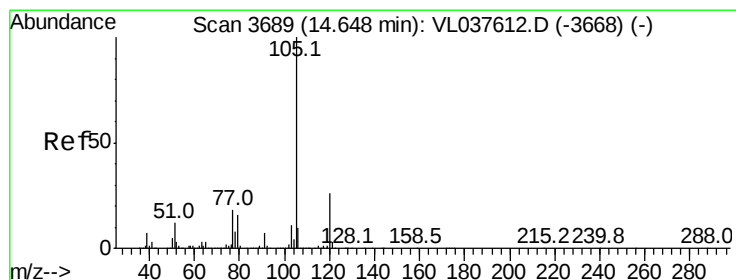
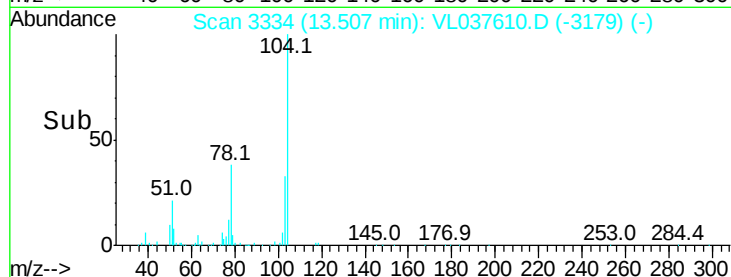
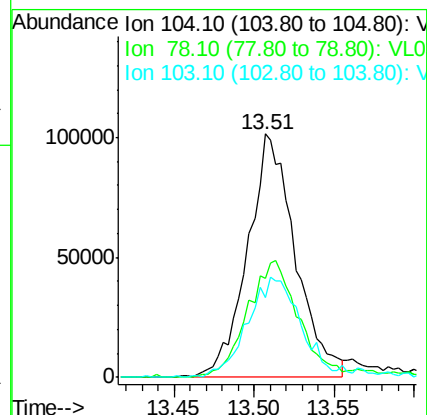
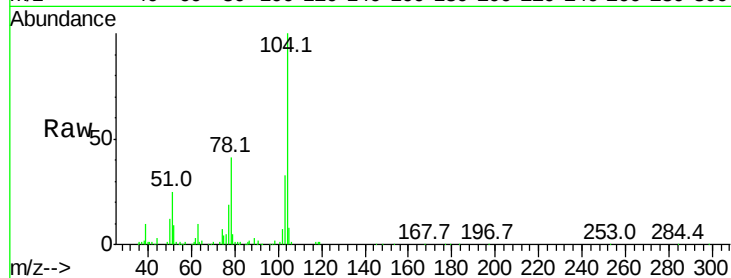




#61
Styrene
Concen: 0.807 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.00 min
Lab File: VL037610.D
Acq: 16 Sep 2021 8:47

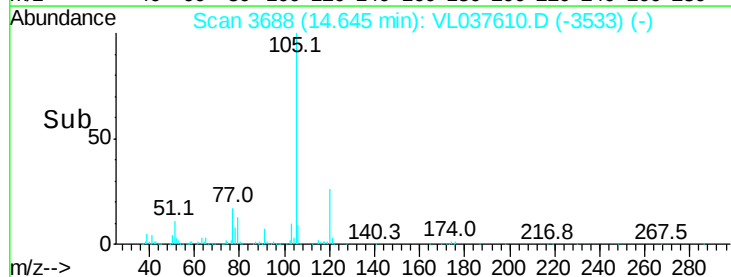
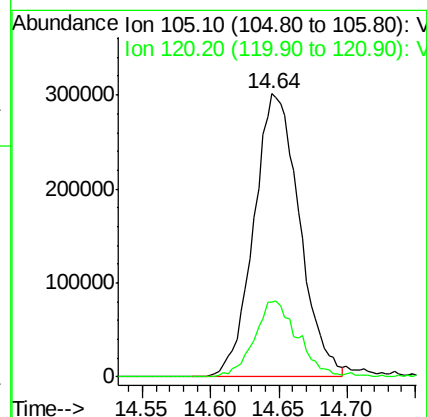
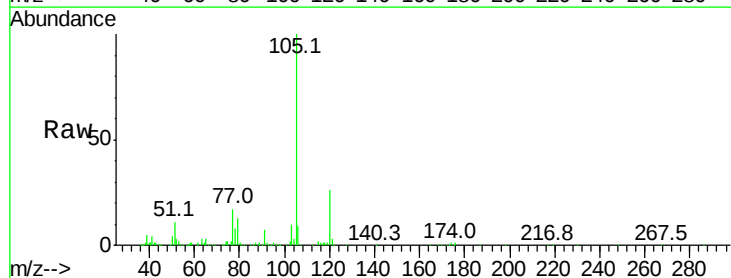
Instrument :
MSVOA_L
ClientSampleId :

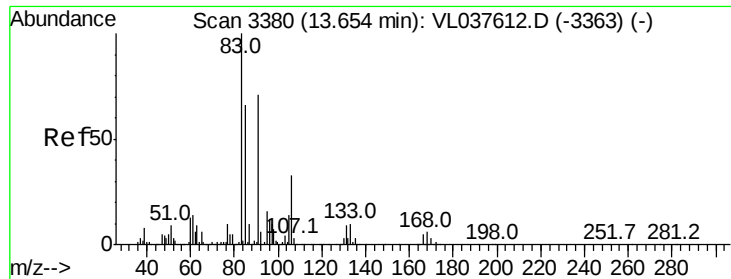
Tgt Ion:104 Resp: 206887
Ion Ratio Lower Upper
104 100
78 54.4 39.7 59.5
103 49.4 38.8 58.2



#62
Isopropylbenzene
Concen: 1.007 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. -0.00 min
Lab File: VL037610.D
Acq: 16 Sep 2021 8:47

Tgt Ion:105 Resp: 701354
Ion Ratio Lower Upper
105 100
120 25.9 21.4 32.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.486 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Instrument :

MSVOA_L

ClientSampleId :

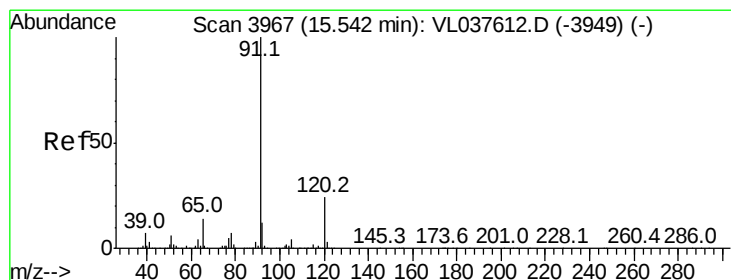
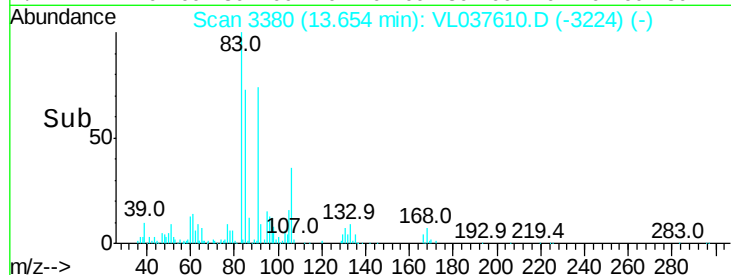
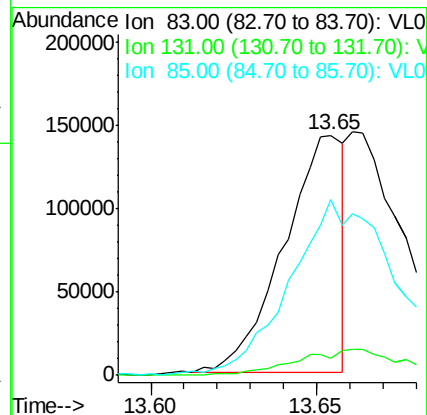
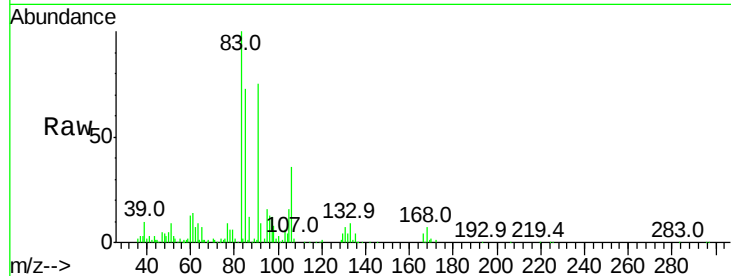
Tgt Ion: 83 Resp: 178394

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

85 140.3 33.3 99.9#



#64

n-propylbenzene

Concen: 0.443 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. 0.00 min

Lab File: VL037610.D

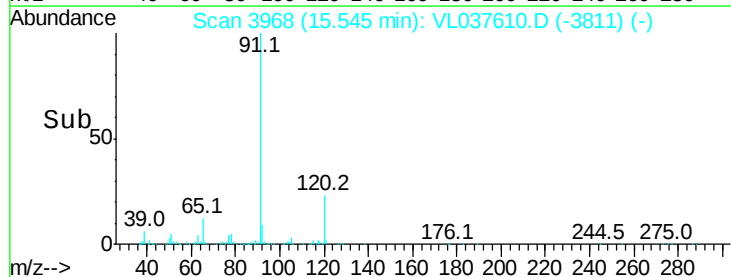
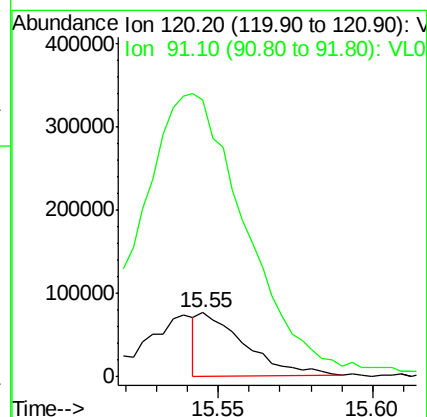
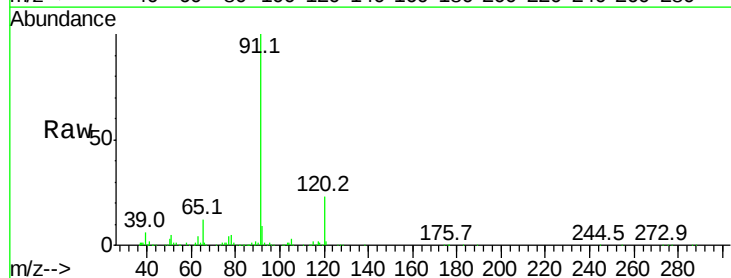
Acq: 16 Sep 2021 8:47

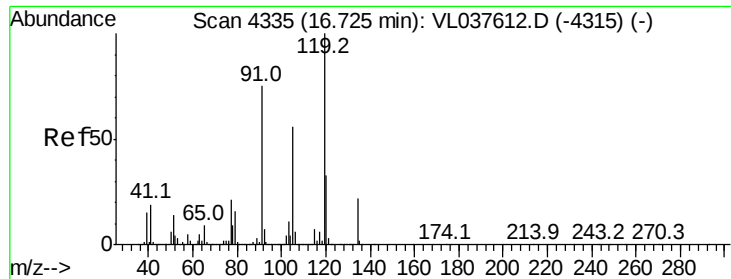
Tgt Ion: 120 Resp: 78419

Ion Ratio Lower Upper

120 100

91 1065.3 345.0 517.4#

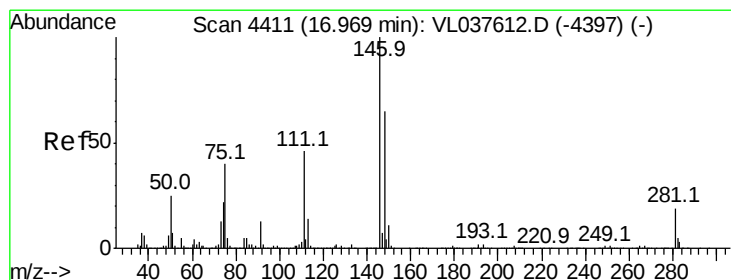
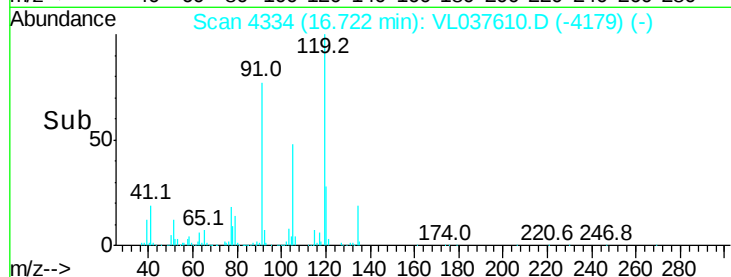
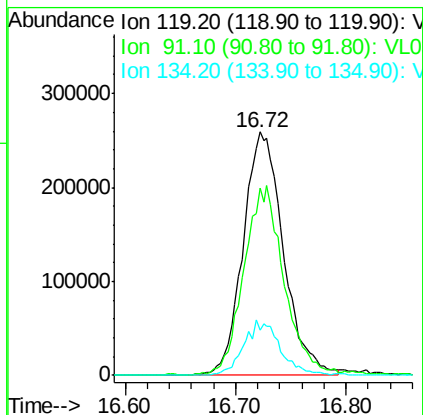
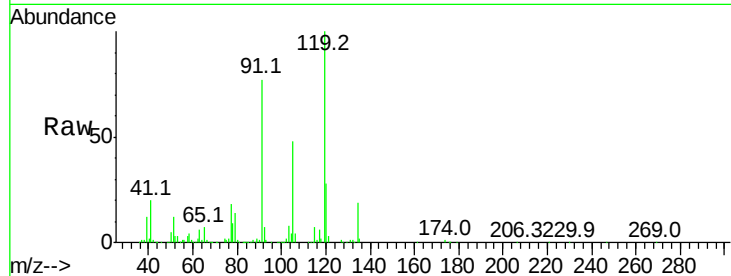




#65
 tert-Butylbenzene
 Concen: 1.033 ppbv
 RT: 16.72 min Scan# 4334
 Delta R.T. -0.00 min
 Lab File: VL037610.D
 Acq: 16 Sep 2021 8:47

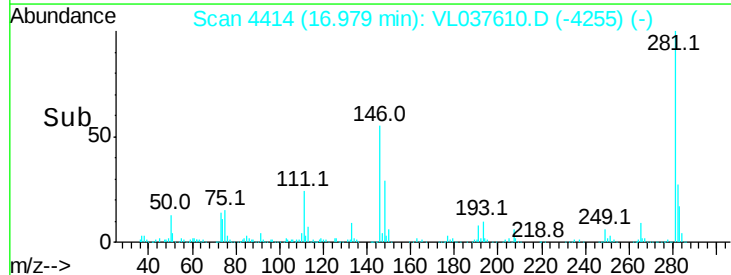
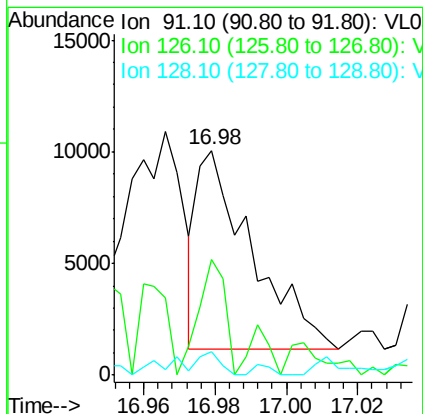
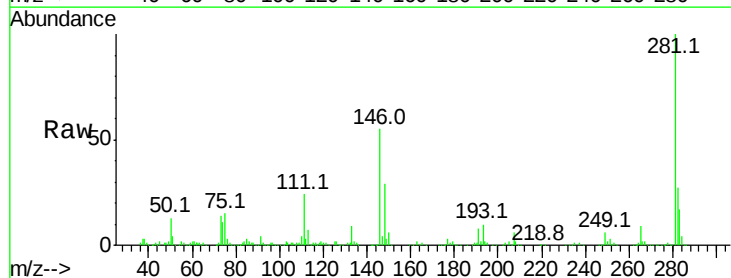
Instrument :
 MSVOA_L
 ClientSampleId :

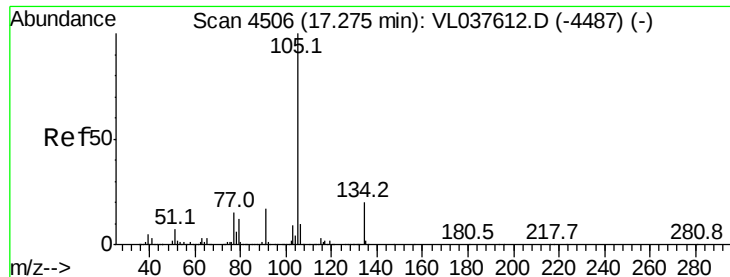
Tgt Ion: 119 Resp: 654855
 Ion Ratio Lower Upper
 119 100
 91 78.1 61.9 92.9
 134 20.8 16.5 24.7



#66
 Benzyl Chloride
 Concen: 0.331 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T. 0.01 min
 Lab File: VL037610.D
 Acq: 16 Sep 2021 8:47

Tgt Ion: 91 Resp: 9489
 Ion Ratio Lower Upper
 91 100
 126 60.5 14.4 21.6#
 128 11.1 5.7 8.5#

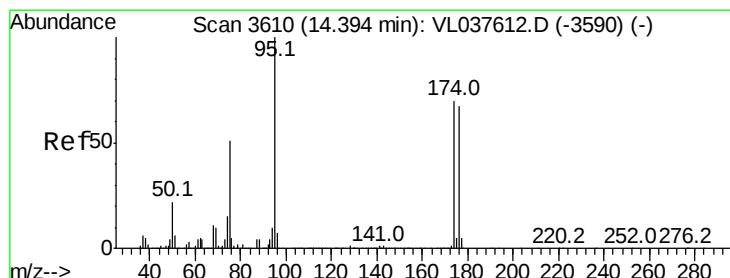
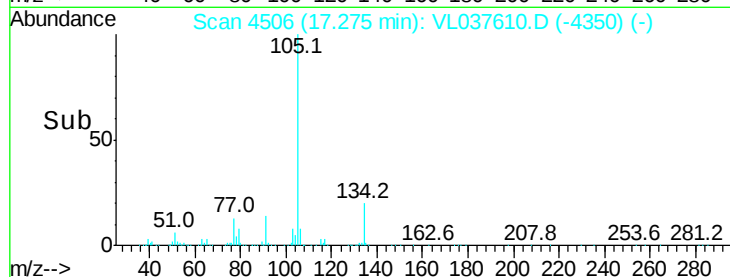
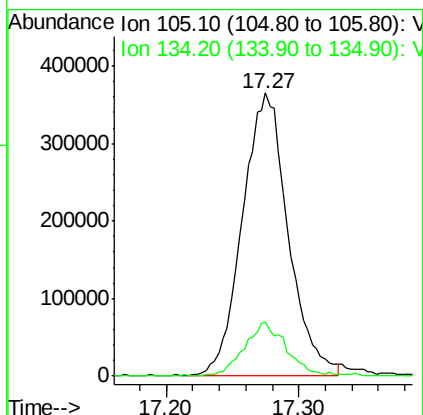
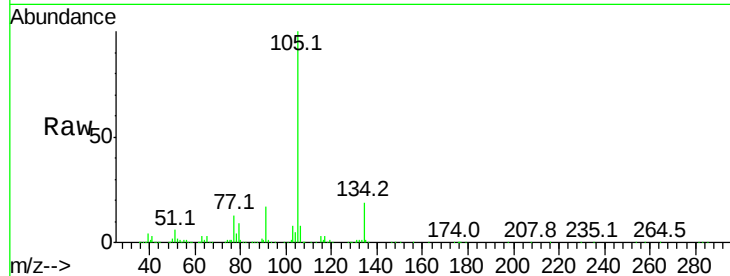




#67
 sec-Butylbenzene
 Concen: 0.984 ppbv
 RT: 17.27 min Scan# 4506
 Delta R.T. 0.00 min
 Lab File: VL037610.D
 Acq: 16 Sep 2021 8:47

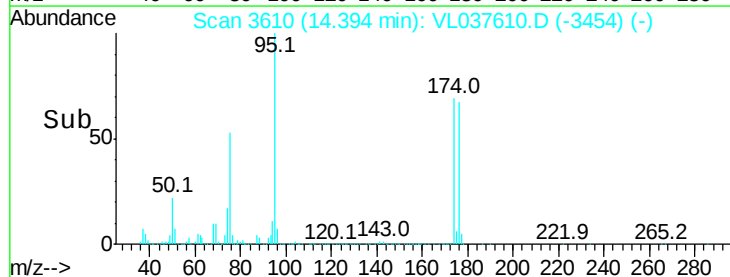
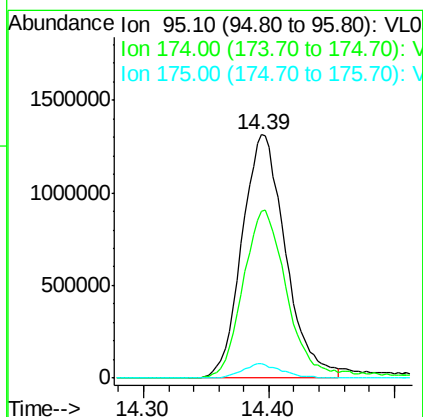
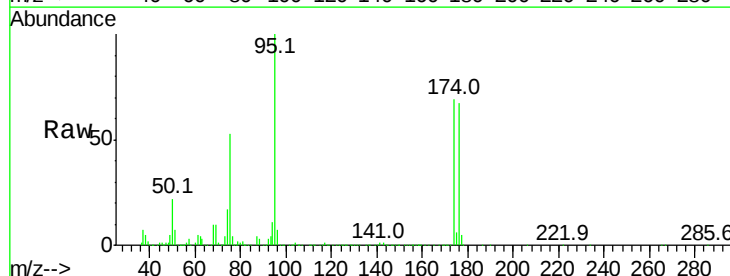
Instrument :
 MSVOA_L
 ClientSampleId :

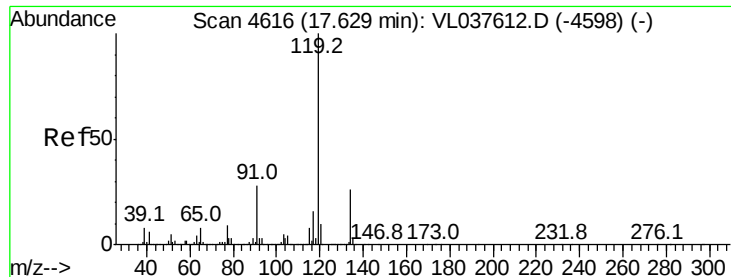
Tgt Ion: 105 Resp: 871717
 Ion Ratio Lower Upper
 105 100
 134 18.1 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.161 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VL037610.D
 Acq: 16 Sep 2021 8:47

Tgt Ion: 95 Resp: 3171844
 Ion Ratio Lower Upper
 95 100
 174 73.2 56.3 84.5
 175 5.4 4.4 6.6

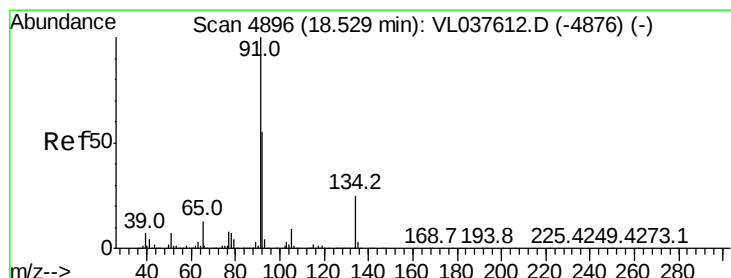
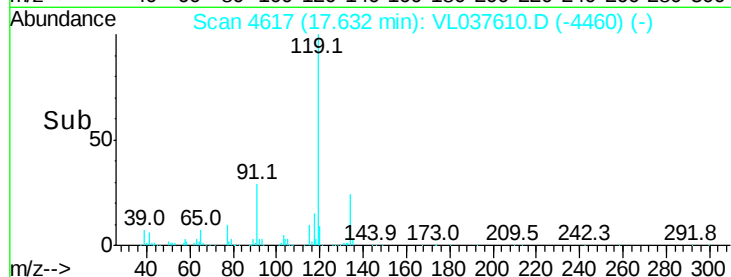
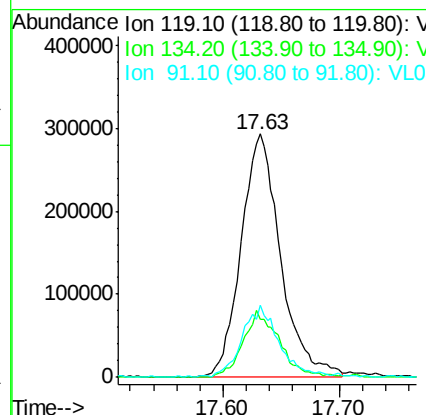
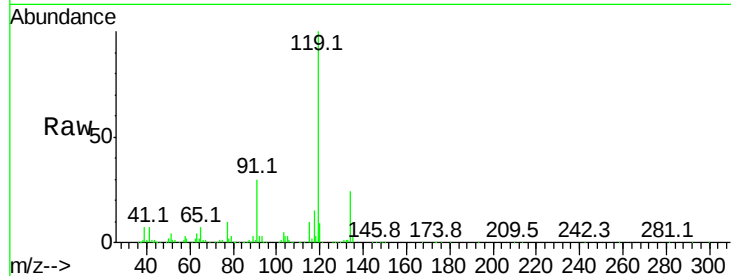




#69
p-Isopropyltoluene
Concen: 0.963 ppbv
RT: 17.63 min Scan# 4617
Delta R.T. 0.00 min
Lab File: VL037610.D
Acq: 16 Sep 2021 8:47

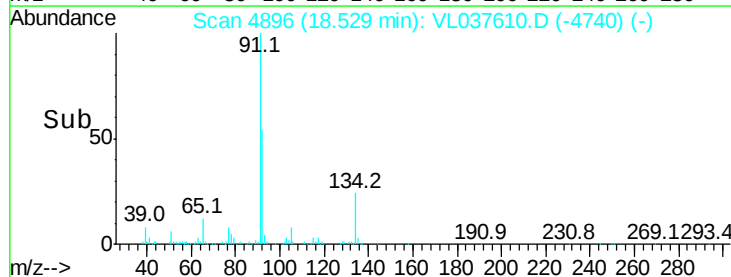
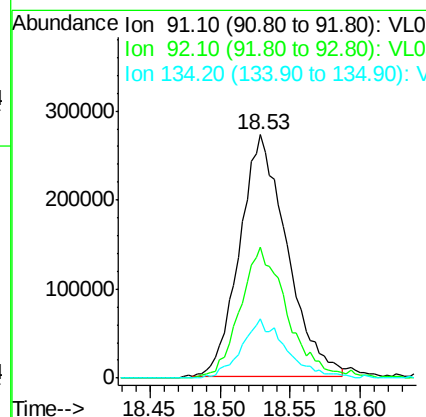
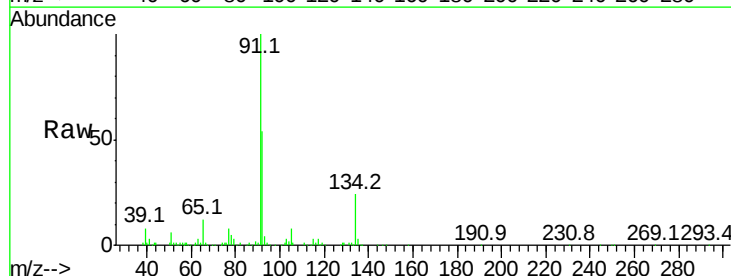
Instrument :
MSVOA_L
ClientSampleId :

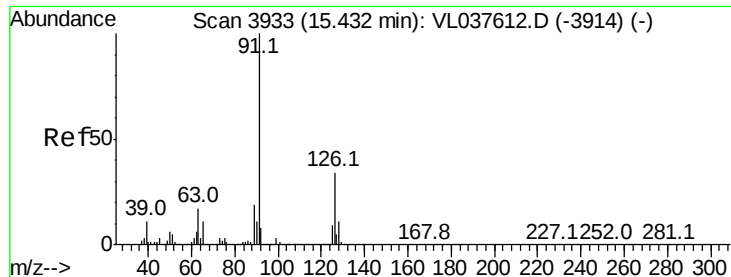
Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	21.2	31.8
91	28.6	22.2	33.2



#70
n-Butylbenzene
Concen: 0.922 ppbv
RT: 18.53 min Scan# 4896
Delta R.T. 0.00 min
Lab File: VL037610.D
Acq: 16 Sep 2021 8:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.0	66.0
134	23.6	19.5	29.3





#71

2-Chlorotoluene

Concen: 0.940 ppbv

RT: 15.43 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Instrument :

MSVOA_L

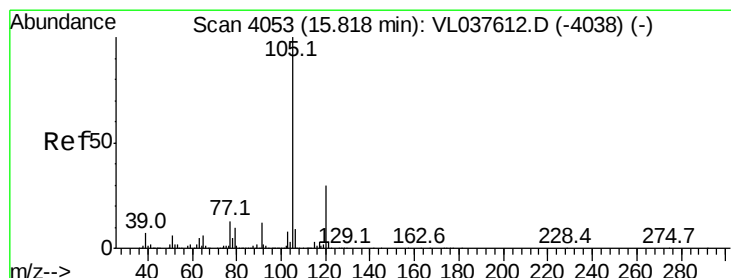
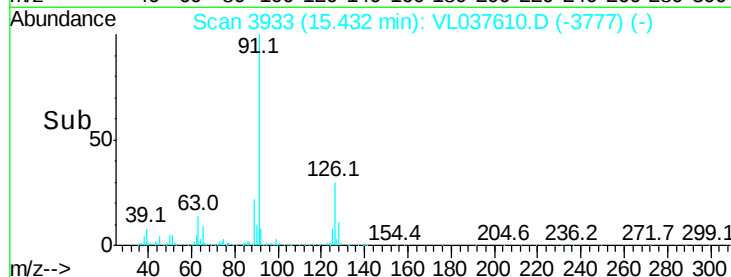
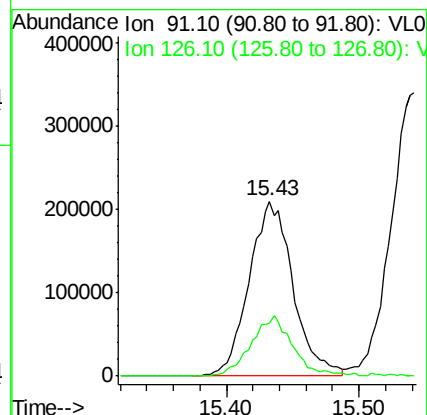
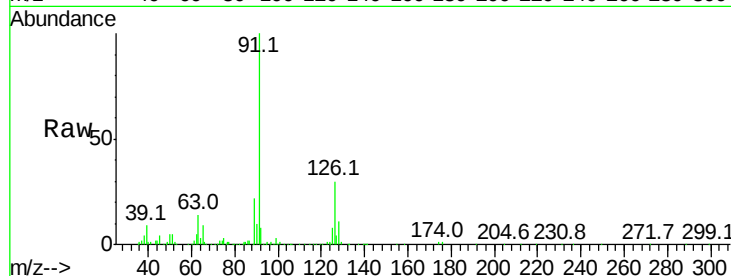
ClientSampleId :

Tgt Ion: 91 Resp: 480107

Ion Ratio Lower Upper

91 100

126 33.2 13.2 52.8



#72

4-Ethyltoluene

Concen: 0.931 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Tgt Ion: 105 Resp: 546471

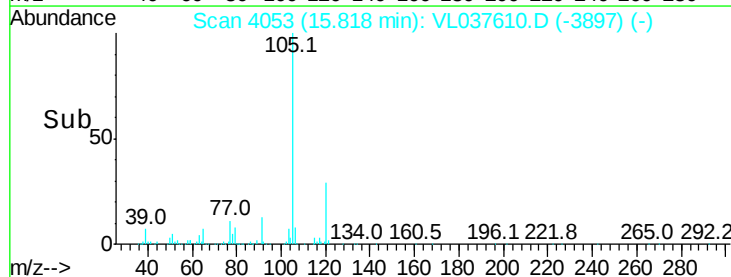
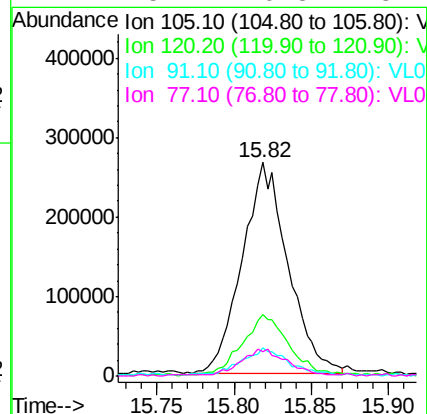
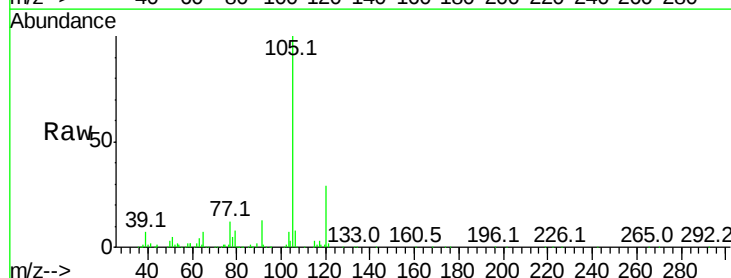
Ion Ratio Lower Upper

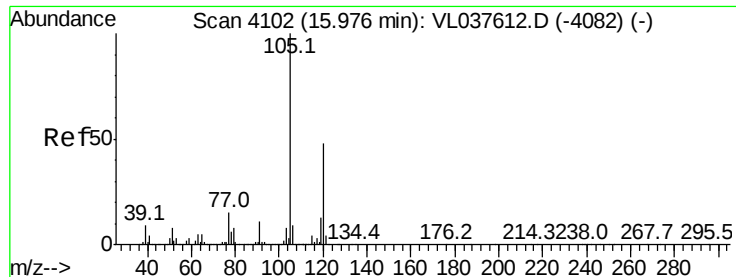
105 100

120 31.0 24.7 37.1

91 14.2 9.9 14.9

77 13.7 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 0.449 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Instrument :

MSVOA_L

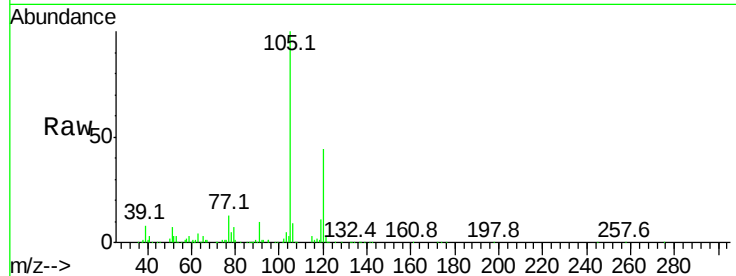
ClientSampleId :

Tgt Ion:105 Resp: 245443

Ion Ratio Lower Upper

105 100

120 43.3 38.3 57.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.97

250000

200000

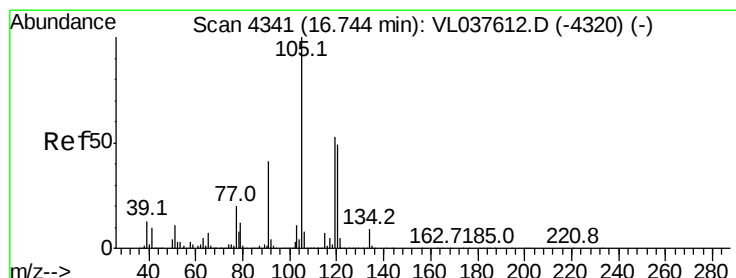
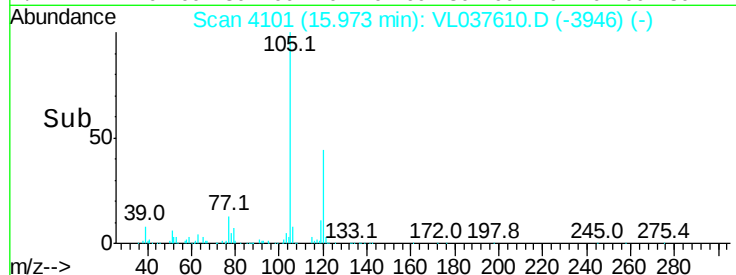
150000

100000

50000

0

Time--> 15.90 15.95



#74

1,2,4-Trimethylbenzene

Concen: 0.967 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Tgt Ion:105 Resp: 561461

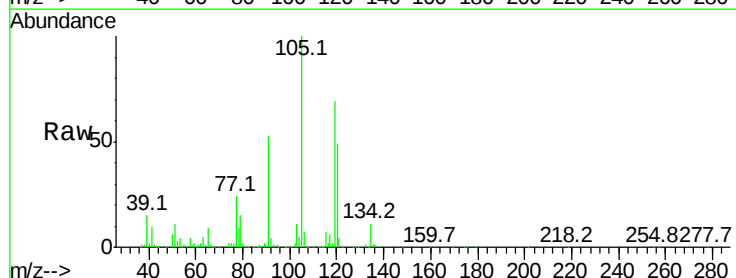
Ion Ratio Lower Upper

105 100

120 47.5 39.4 59.0

91 49.9 33.3 49.9

77 22.8 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

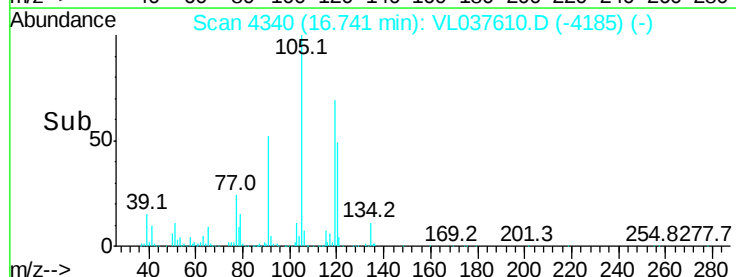
300000

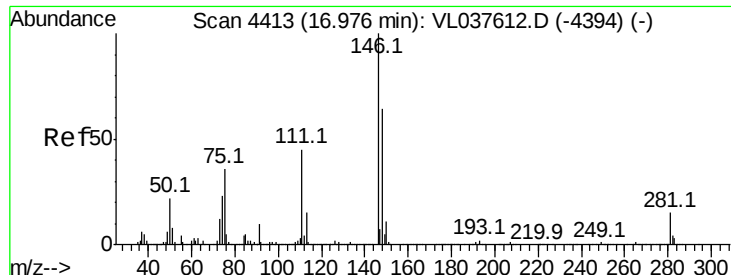
200000

100000

0

Time--> 16.65 16.70 16.75 16.80





#75

1,3-Dichlorobenzene

Concen: 0.957 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.00 min

Lab File: VL037610.D

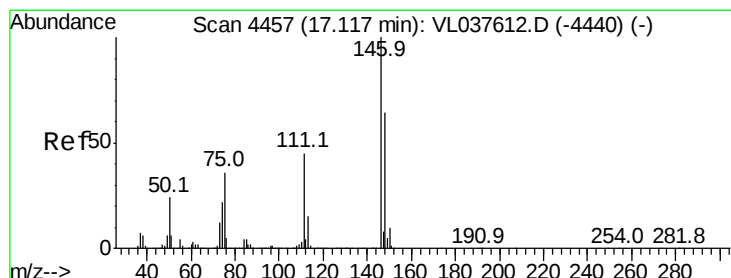
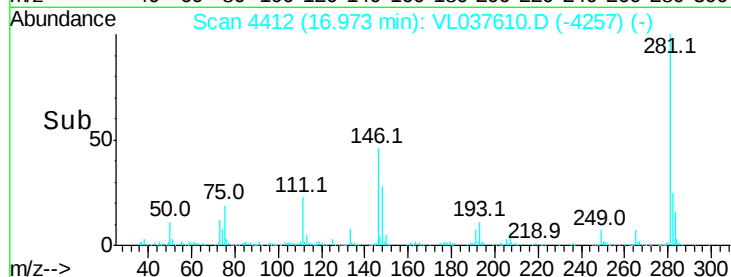
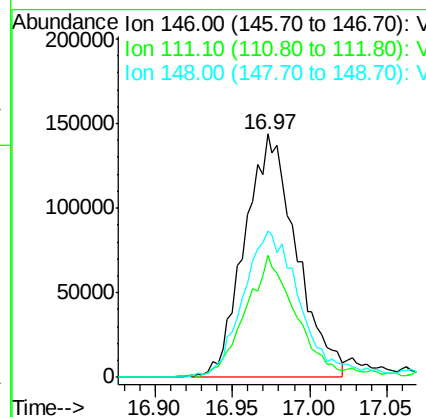
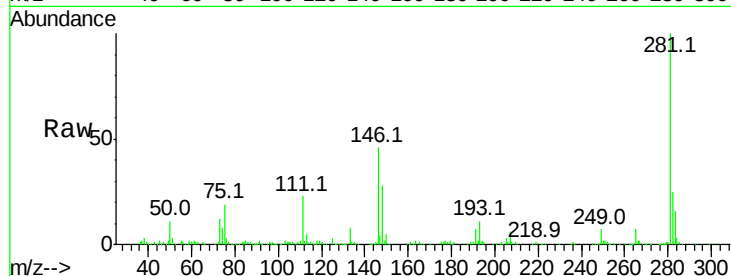
Acq: 16 Sep 2021 8:47

Instrument :

MSVOA_L

ClientSampled :

Tgt Ion:	146	Resp:	334342
Ion Ratio	Lower	Upper	
146	100		
111	50.6	22.8	68.3
148	66.7	32.1	96.5



#76

1,4-Dichlorobenzene

Concen: 0.450 ppbv

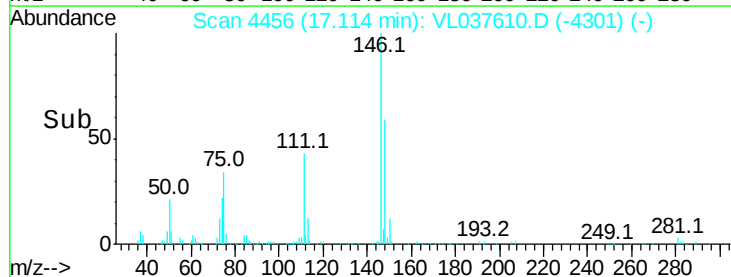
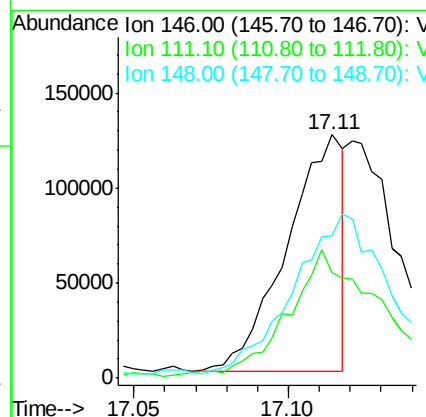
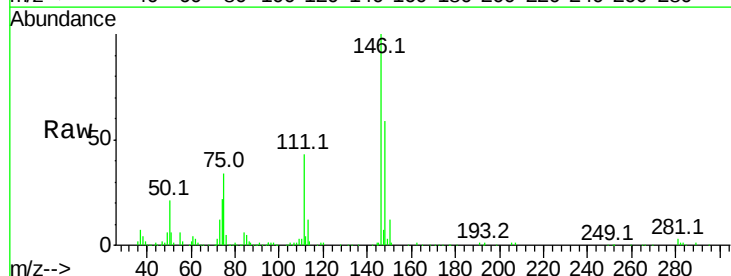
RT: 17.11 min Scan# 4456

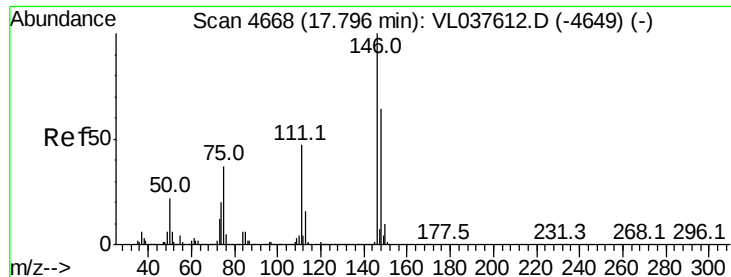
Delta R.T. -0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Tgt Ion:	146	Resp:	158248
Ion Ratio	Lower	Upper	
146	100		
111	94.7	22.5	67.5#
148	0.0	32.9	98.6#

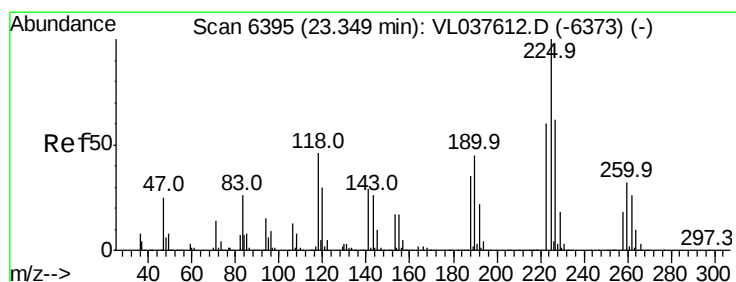
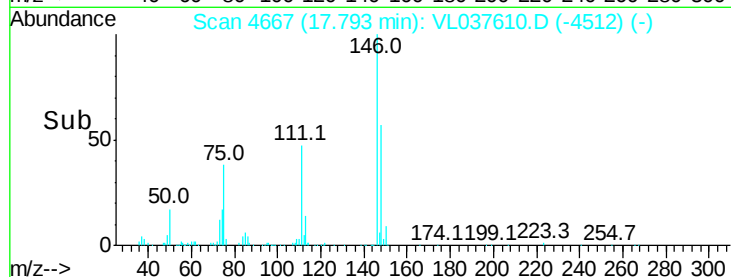
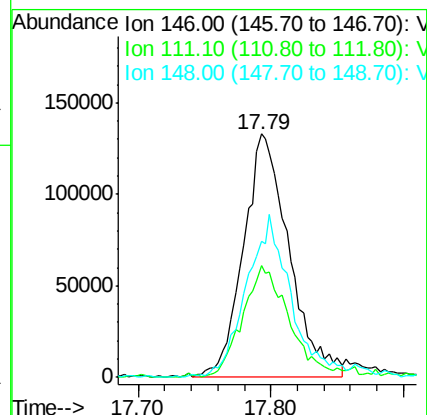
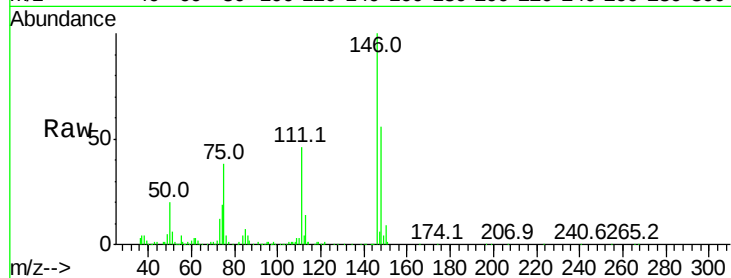




#77
 1,2-Dichlorobenzene
 Concen: 0.918 ppbv
 RT: 17.79 min Scan# 4667
 Delta R.T. -0.00 min
 Lab File: VL037610.D
 Acq: 16 Sep 2021 8:47

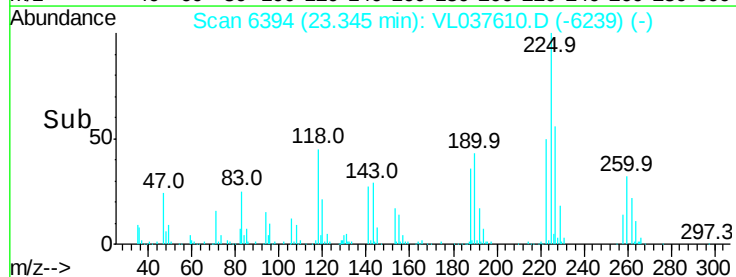
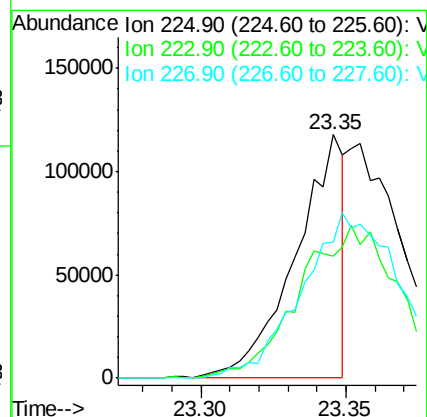
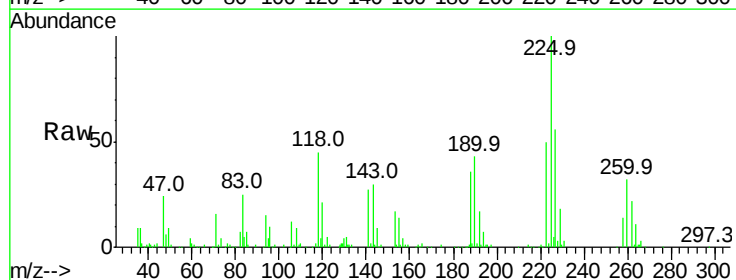
Instrument :
 MSVOA_L
 ClientSampleId :

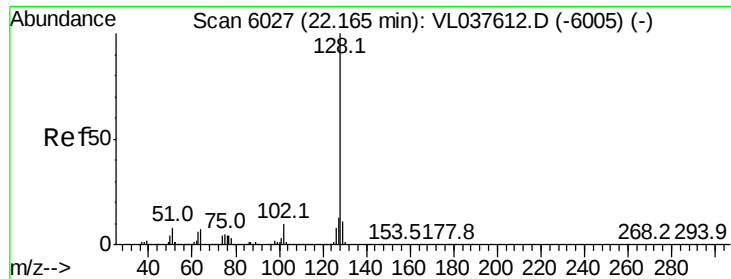
Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.9	24.0	72.0
148	68.2	32.8	98.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.474 ppbv
 RT: 23.35 min Scan# 6394
 Delta R.T. -0.00 min
 Lab File: VL037610.D
 Acq: 16 Sep 2021 8:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.1	76.7#
227	142.3	52.2	78.4#





#79

Naphthalene

Concen: 0.407 ppbv

RT: 22.17 min Scan# 6028

Delta R.T. 0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

Instrument :

MSVOA_L

ClientSampleId :

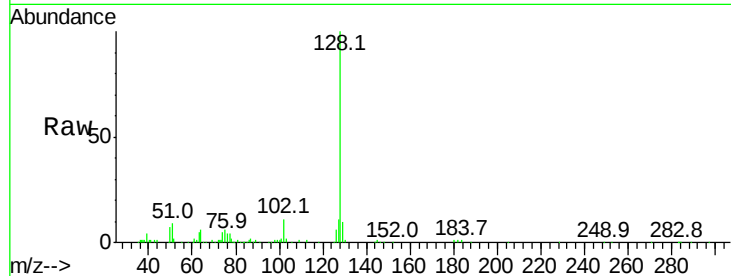
Tgt Ion:128 Resp: 158135

Ion Ratio Lower Upper

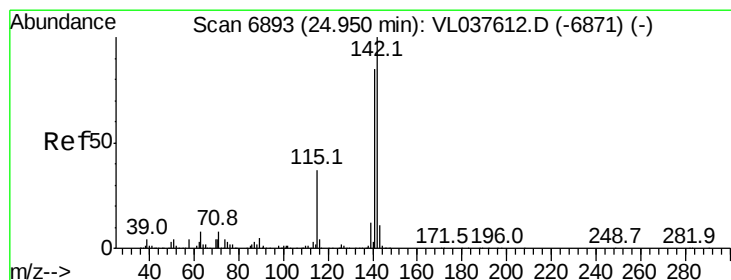
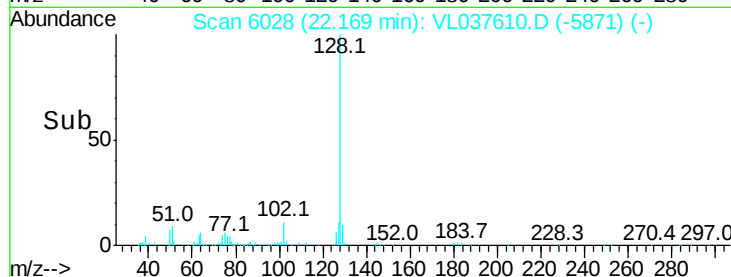
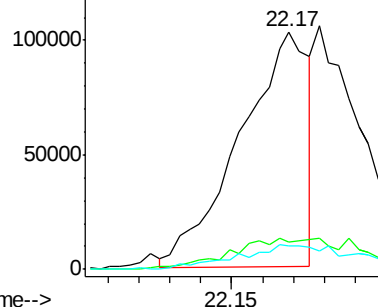
128 100

127 10.8 10.6 16.0

129 10.3 8.6 12.8



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: 0.635 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. 0.00 min

Lab File: VL037610.D

Acq: 16 Sep 2021 8:47

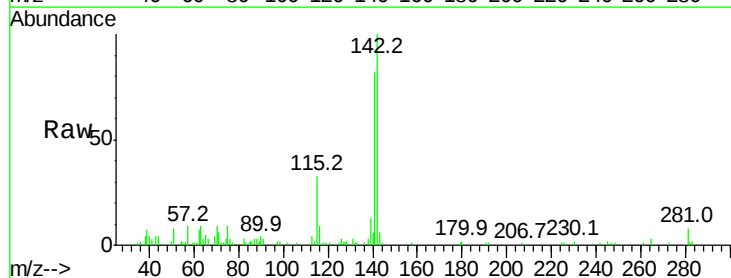
Tgt Ion:142 Resp: 68758

Ion Ratio Lower Upper

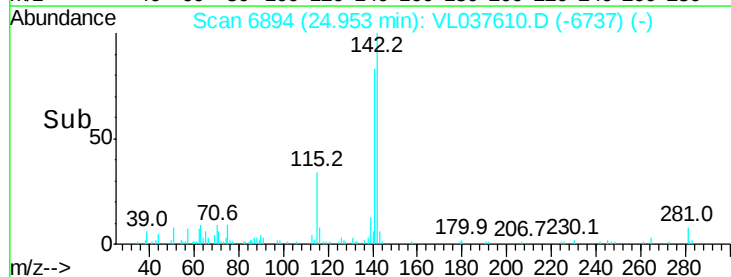
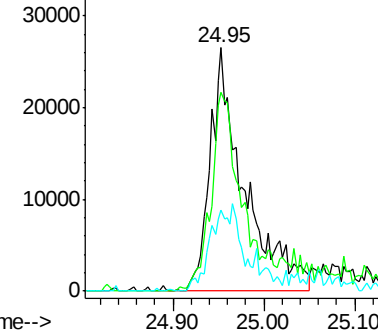
142 100

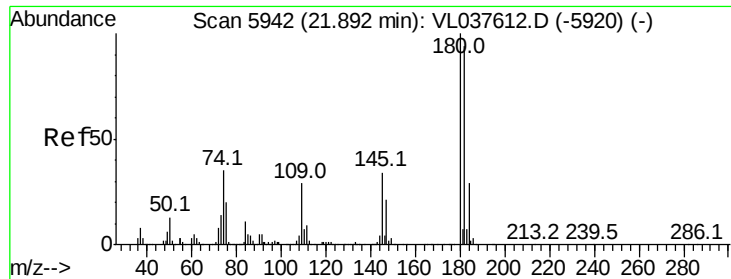
141 73.4 70.9 106.3

115 36.7 29.6 44.4



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

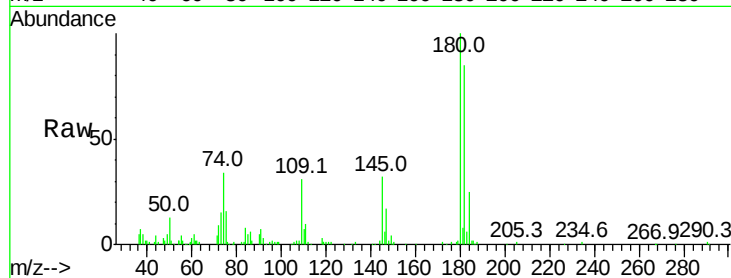




#81
 1,2,4-Trichlorobenzene
 Concen: 0.488 ppbv
 RT: 21.90 min Scan# 5944
 Delta R.T. 0.01 min
 Lab File: VL037610.D
 Acq: 16 Sep 2021 8:47

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	78.9	118.3#
184	0.0	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

