

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090921\
 Data File : VL037601.D
 Acq On : 9 Sep 2021 16:40
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 10 01:33:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1514472	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.19	114	4471644	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.10	117	5119502	10.00	ppbv	0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2939548	8.08	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	1714860	7.057 ppbv	94
3) Chlorodifluoromethane	3.00	51	2755740	9.502 ppbv	99
4) Chloromethane	3.15	50	944233	9.111 ppbv	99
5) Vinyl Chloride	3.27	62	954185	8.987 ppbv	97
6) Bromomethane	3.48	94	422636	7.267 ppbv	98
7) Chloroethane	3.57	64	333391	9.200 ppbv	93
8) Dichlorotetrafluoroethane	3.20	85	2041530	8.138 ppbv	97
9) Propene	3.02	41	953171	9.186 ppbv	98
10) Heptane	8.14	43	2401188	10.054 ppbv	99
11) Trichlorofluoromethane	3.96	101	1935081	8.484 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1491379	8.910 ppbv	98
13) Ethanol	3.62	45	62219	6.162 ppbv #	33
14) Bromoethene	3.75	108	663064	8.726 ppbv	96
15) Acetone	3.86	43	1140704	7.401 ppbv	98
16) 1,3-Butadiene	3.34	39	980317	9.915 ppbv	92
17) tert-Butyl alcohol	4.30	59	1250818	8.884 ppbv	97
18) 1,1-Dichloroethene	4.30	96	670854	8.823 ppbv	97
19) Isopropyl Alcohol	3.98	45	820168	9.288 ppbv #	97
20) Methylene Chloride	4.36	84	559019	7.244 ppbv	94
21) Allyl Chloride	4.42	41	940051	7.509 ppbv	90
22) trans-1,2-Dichloroethene	4.90	96	659643	8.696 ppbv	92
23) Vinyl Acetate	5.09	43	1950222	8.584 ppbv	99
24) 1,1-Dichloroethane	5.02	63	1331509	8.081 ppbv	98
25) Ethyl Acetate	5.69	43	3490322	8.920 ppbv	99
26) Hexane	5.70	57	1744982	9.121 ppbv	96
27) Carbon Disulfide	4.56	76	1517560	8.901 ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1314368	7.154 ppbv	99
29) Chloroform	5.77	83	2443594	9.013 ppbv	98
30) Cyclohexane	7.15	84	1479511	9.282 ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1555464	8.984 ppbv	99
32) 1,1,1-Trichloroethane	6.53	97	2345829	8.806 ppbv	100
34) 2-Butanone	5.26	43	1611516	8.825 ppbv	96
35) Carbon Tetrachloride	7.03	117	2366262	8.954 ppbv	99
36) Benzene	6.91	78	3649998	9.710 ppbv	98
37) 1,2-Dichloroethane	6.32	62	1714111	9.206 ppbv	99
38) Trichloroethene	7.85	130	1412589	9.159 ppbv	97
39) 1,2-Dichloropropane	7.63	63	1396829	9.670 ppbv	99
40) 1,4-Dioxane	7.86	88	215543	6.091 ppbv #	100
41) Tetrahydrofuran	6.07	42	774145	8.801 ppbv	98
42) Bromodichloromethane	7.81	83	2580589	9.478 ppbv	98
43) Methyl Methacrylate	8.03	69	1328299	10.138 ppbv	96

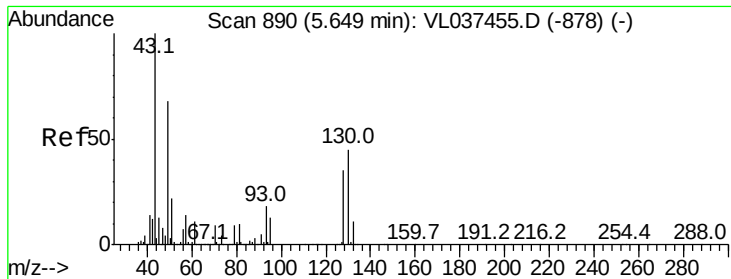
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090921\
 Data File : VL037601.D
 Acq On : 9 Sep 2021 16:40
 Operator : SY/AP
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	6053673	9.569	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	884376	8.967	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1255042	9.122	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1462471	9.370	ppbv	94
48) Dibromochloromethane	10.32	129	2285812	10.177	ppbv	99
49) Bromoform	13.06	173	1880248	10.620	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2386265	10.017	ppbv	99
51) 2-Hexanone	10.16	43	1250556	11.413	ppbv #	99
52) Tetrachloroethene	11.24	164	1363462	8.851	ppbv	99
53) Toluene	9.82	91	4222432	9.837	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2077153	9.533	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1640134	7.689	ppbv	99
57) Chlorobenzene	12.17	112	3122005	7.348	ppbv	98
58) Ethyl Benzene	12.73	91	5382394	7.576	ppbv	100
59) m/p-Xylene	13.01	91	5490102	8.914	ppbv #	53
60) o-Xylene	13.71	91	4182261	7.275	ppbv	99
61) Styrene	13.55	104	2312559	7.744	ppbv	99
62) Isopropylbenzene	14.68	105	6107516	7.528	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	3126675	7.318	ppbv	100
64) n-propylbenzene	15.58	120	1609366	7.795	ppbv	98
65) tert-Butylbenzene	16.76	119	5347819	7.238	ppbv	98
66) Benzyl Chloride	17.01	91	101866	3.048	ppbv #	91
67) sec-Butylbenzene	17.31	105	7366634	7.135	ppbv	100
69) p-Isopropyltoluene	17.67	119	6214403	7.387	ppbv	100
70) n-Butylbenzene	18.57	91	6133492	7.629	ppbv	99
71) 2-Chlorotoluene	15.47	91	4424235	7.436	ppbv	99
72) 4-Ethyltoluene	15.85	105	5264137	7.699	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4721065	7.418	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	4791750	7.085	ppbv	94
75) 1,3-Dichlorobenzene	17.01	146	3037658	7.462	ppbv	98
76) 1,4-Dichlorobenzene	17.15	146	2981488	7.270	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	2926093	7.299	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	2421196	7.264	ppbv	100
79) Naphthalene	22.21	128	4212298	9.307	ppbv	97
80) Naphthalene, 2-methyl-	24.98	142	1316282	10.439	ppbv	92
81) 1,2,4-Trichlorobenzene	21.94	180	2495310	8.786	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.04 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Instrument :
MSVOA_L
ClientSampleId :

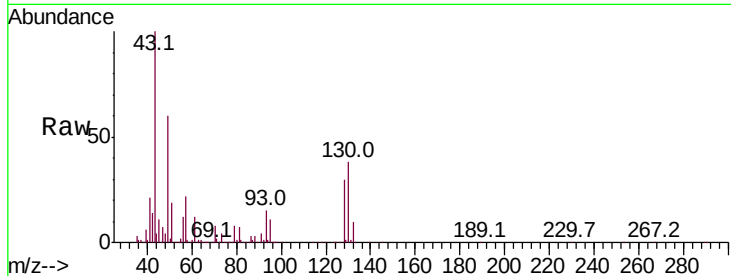
Tot Ion: 49 Resp: 1514472

Ion Ratio Lower Upper

49 100

128 55.5 27.5 82.4

130 66.6 34.0 101.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.68

800000

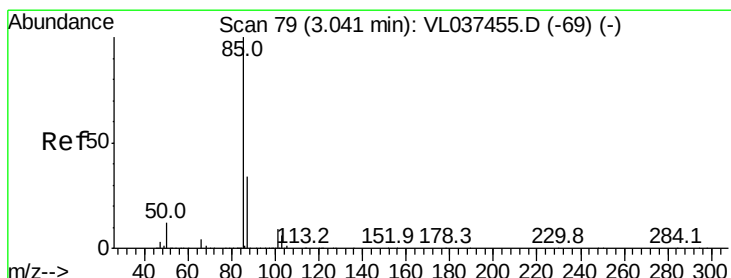
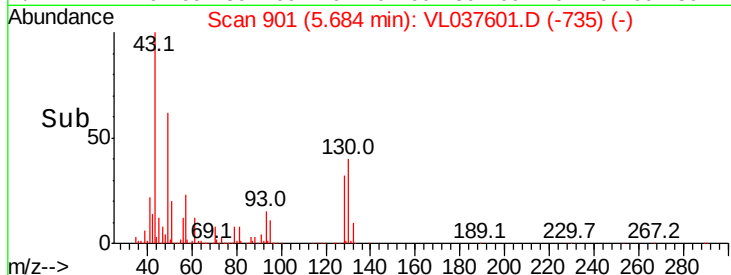
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 7.057 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.02 min

Lab File: VL037601.D

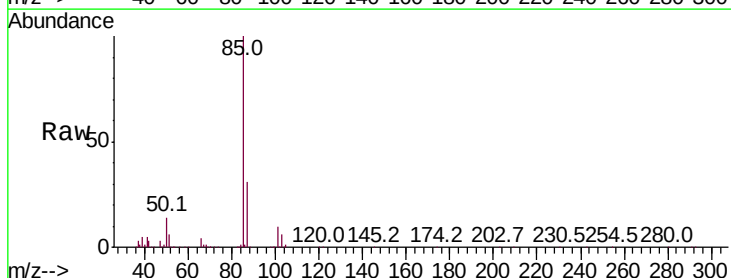
Acq: 9 Sep 2021 16:40

Tgt Ion: 85 Resp: 1714860

Ion Ratio Lower Upper

85 100

87 31.2 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

1200000

1000000

800000

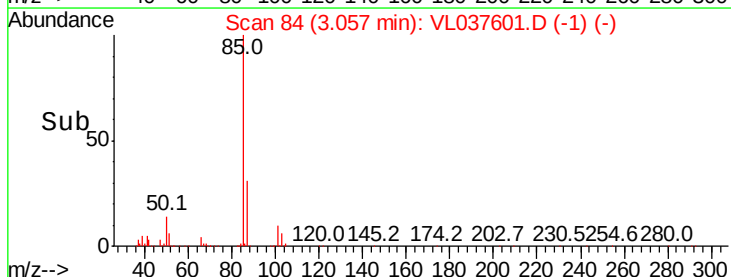
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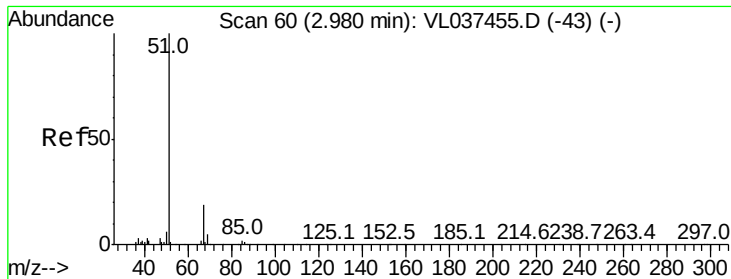
400000

200000

0

Time-->





#3

Chlorodifluoromethane

Concen: 9.502 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.02 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

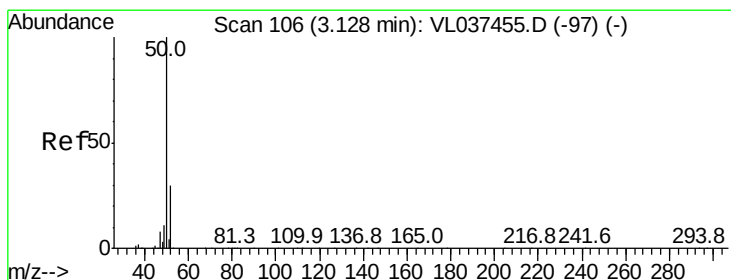
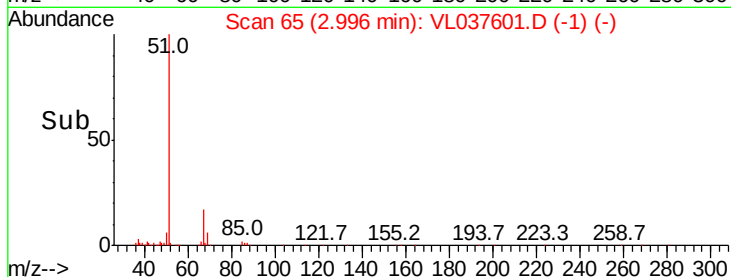
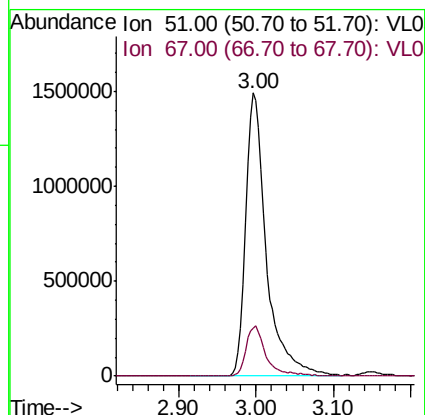
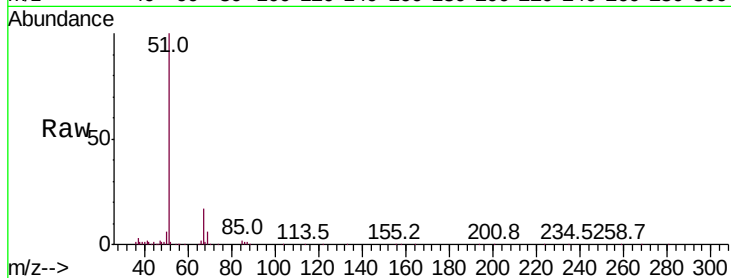
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 2755740

Ion Ratio Lower Upper

51 100

67 17.3 14.2 21.2



#4

Chloromethane

Concen: 9.111 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.02 min

Lab File: VL037601.D

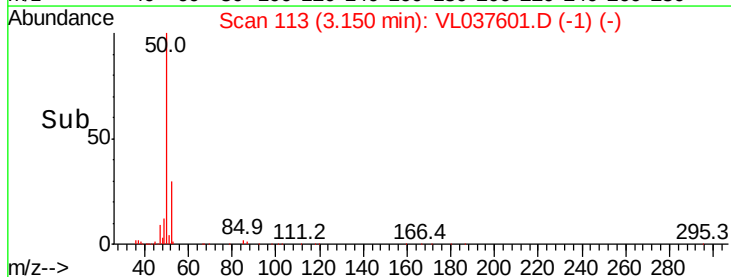
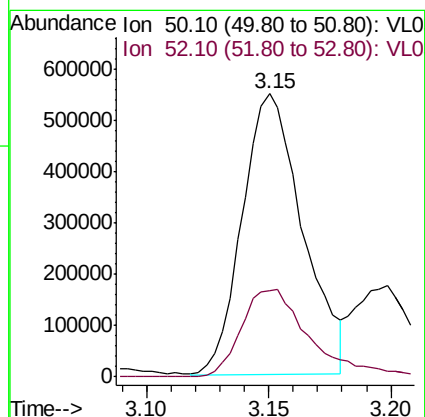
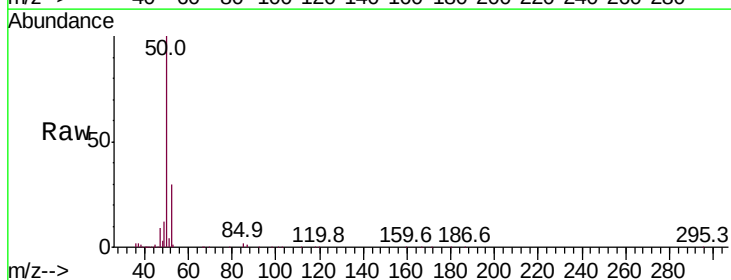
Acq: 9 Sep 2021 16:40

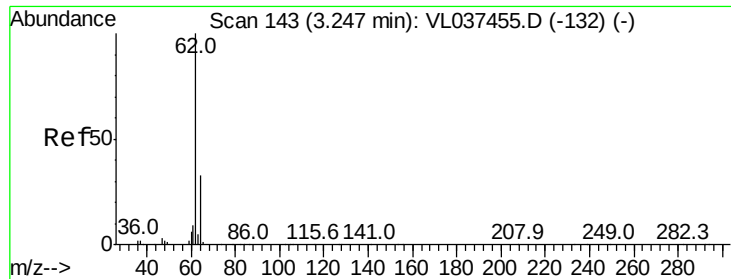
Tgt Ion: 50 Resp: 944233

Ion Ratio Lower Upper

50 100

52 30.4 24.0 36.0





#5

Vinyl Chloride

Concen: 8.987 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.02 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Instrument :

MSVOA_L

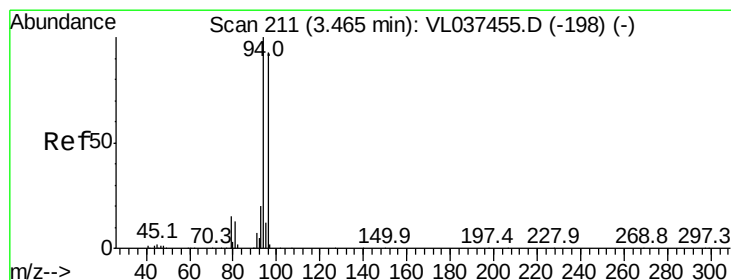
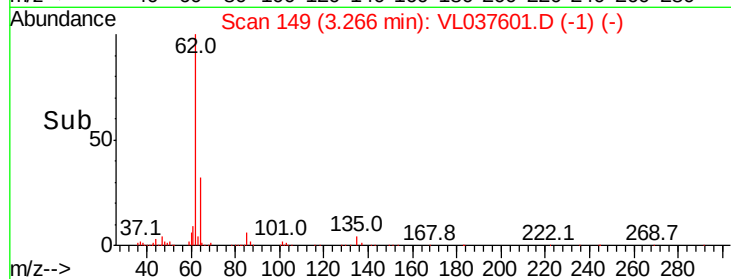
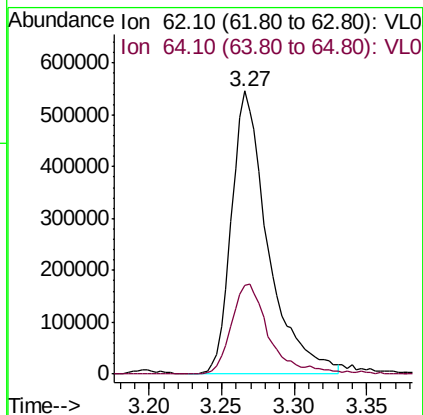
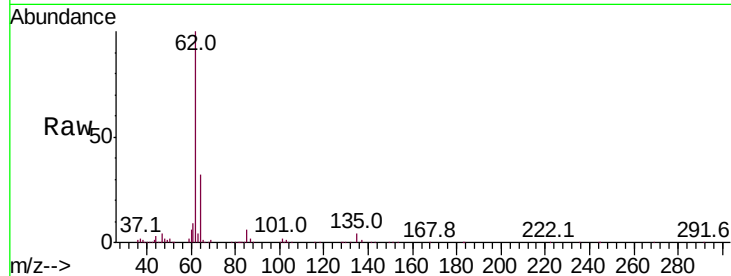
ClientSampleId :

Tot Ion: 62 Resp: 954185

Ion Ratio Lower Upper

62 100

64 31.5 26.5 39.7



#6

Bromomethane

Concen: 7.267 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.02 min

Lab File: VL037601.D

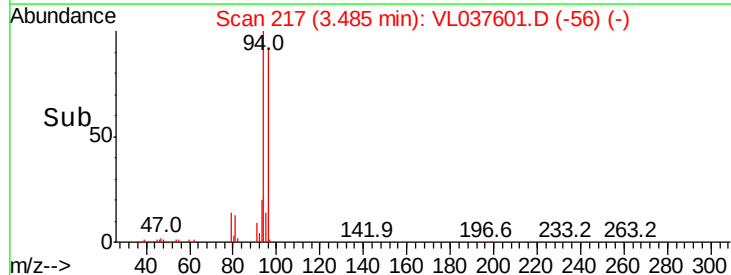
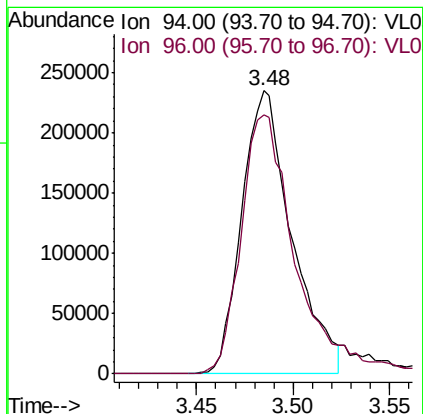
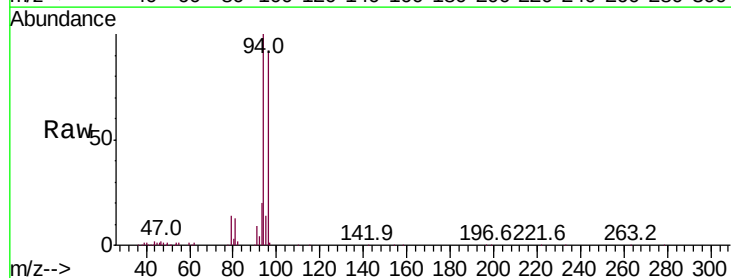
Acq: 9 Sep 2021 16:40

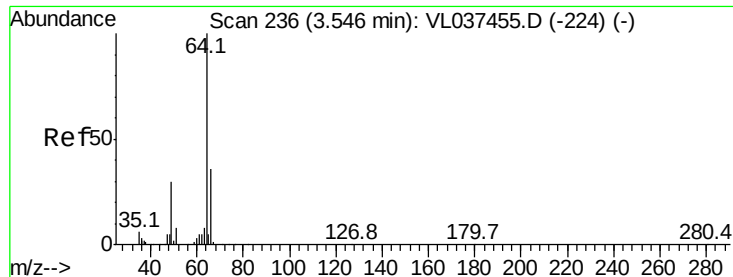
Tgt Ion: 94 Resp: 422636

Ion Ratio Lower Upper

94 100

96 91.6 74.5 111.7





#7

Chloroethane

Concen: 9.200 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.02 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Instrument :

MSVOA_L

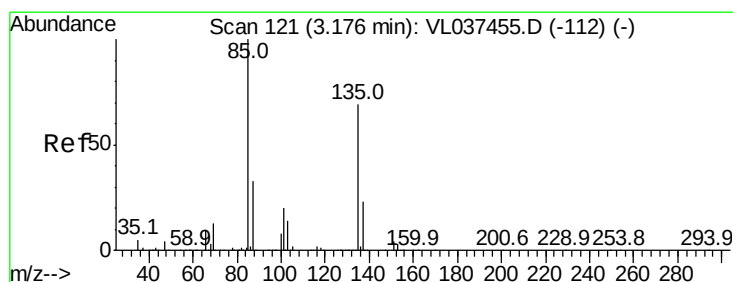
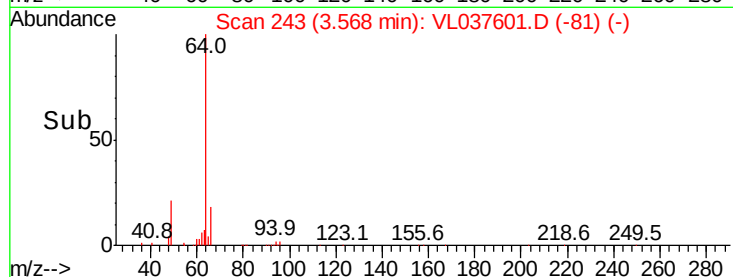
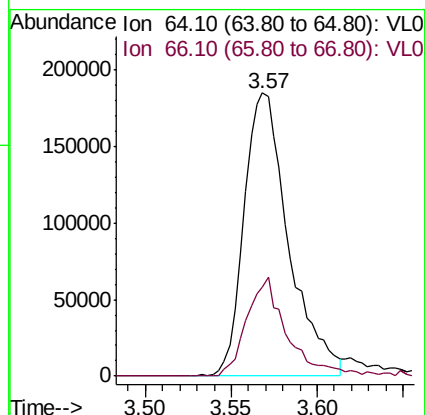
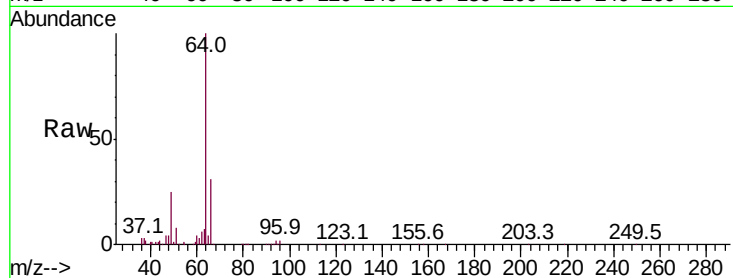
ClientSampleId :

Tot Ion: 64 Resp: 333391

Ion Ratio Lower Upper

64 100

66 31.4 28.6 43.0



#8

Dichlorotetrafluoroethane

Concen: 8.138 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.02 min

Lab File: VL037601.D

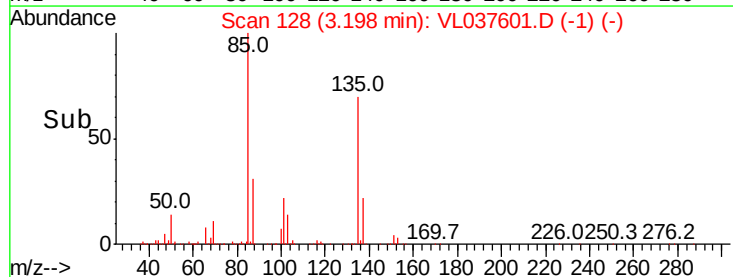
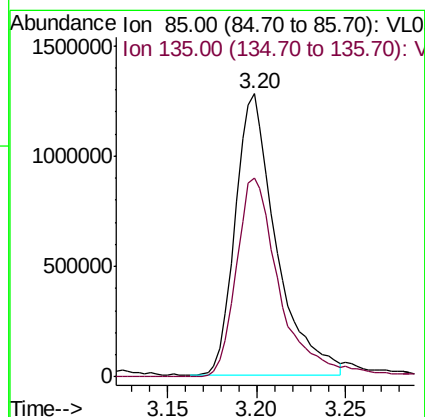
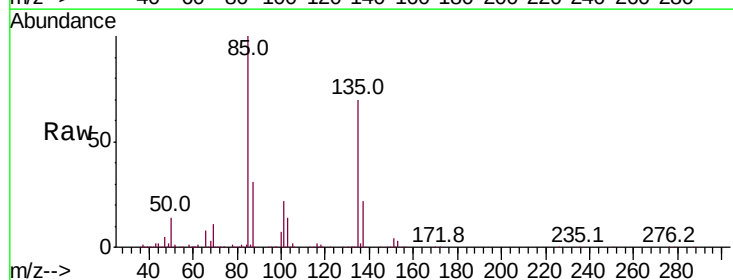
Acq: 9 Sep 2021 16:40

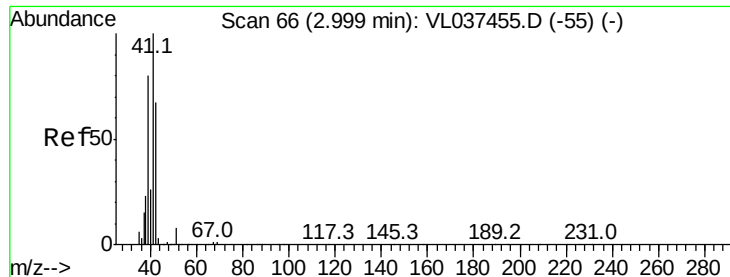
Tgt Ion: 85 Resp: 2041530

Ion Ratio Lower Upper

85 100

135 76.4 58.8 88.2





#9

Propene

Concen: 9.186 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Instrument :

MSVOA_L

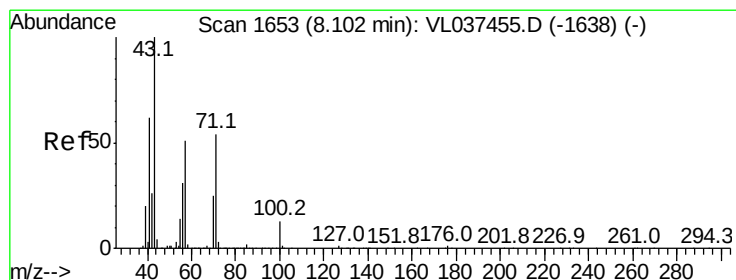
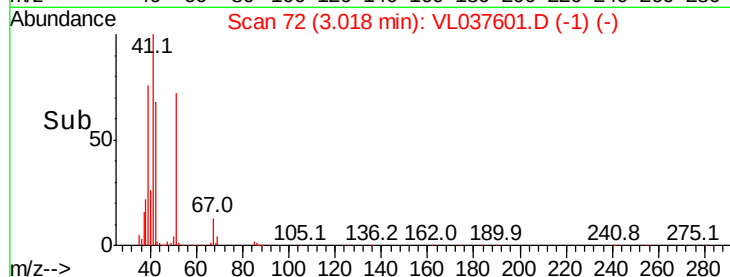
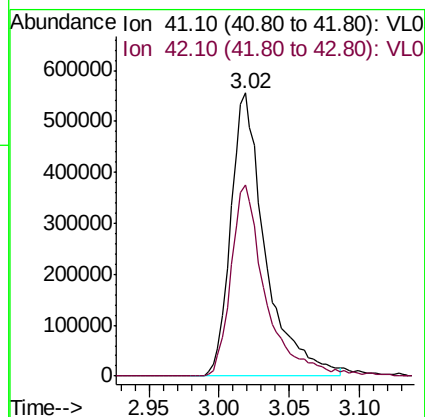
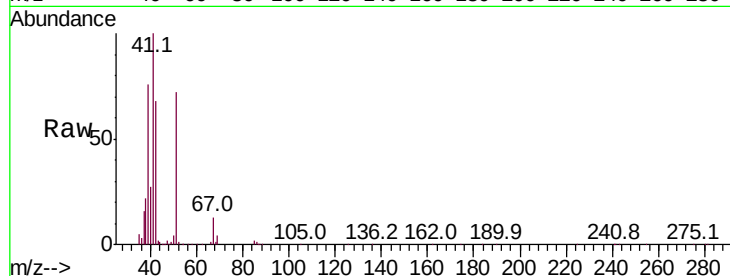
ClientSampleId :

Tot Ion: 41 Resp: 953171

Ion Ratio Lower Upper

41 100

42 68.4 53.7 80.5



#10

Heptane

Concen: 10.054 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.04 min

Lab File: VL037601.D

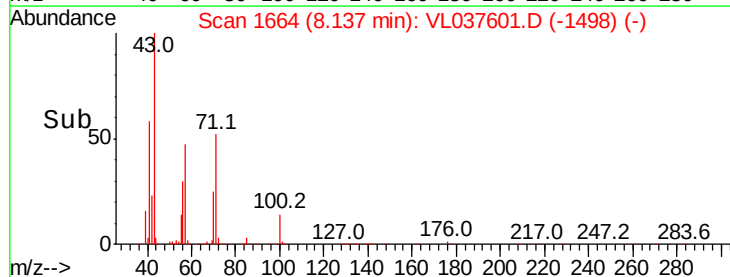
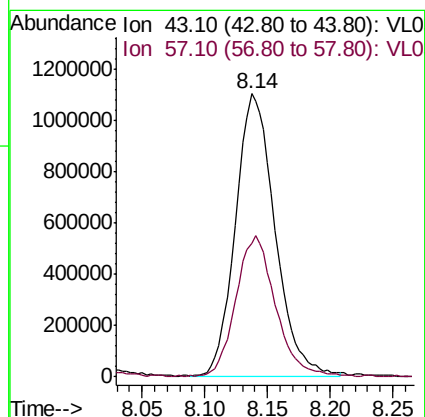
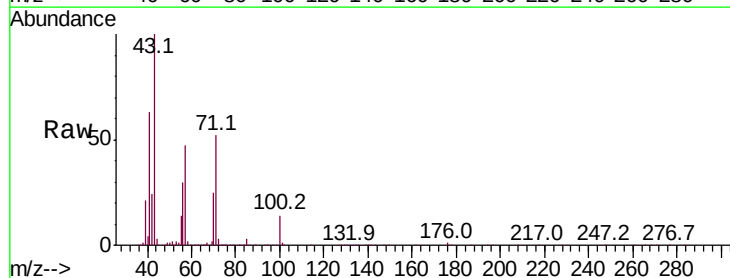
Acq: 9 Sep 2021 16:40

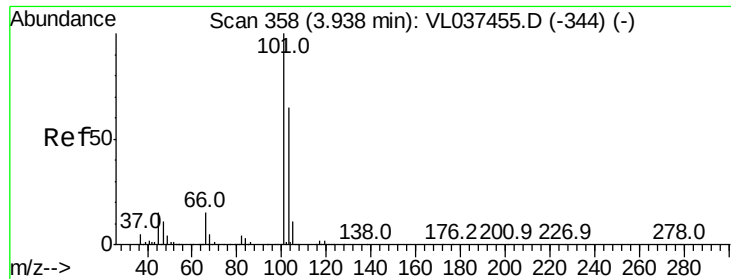
Tgt Ion: 43 Resp: 2401188

Ion Ratio Lower Upper

43 100

57 50.5 41.0 61.6

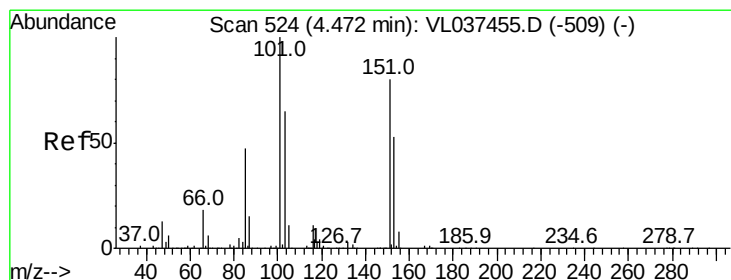
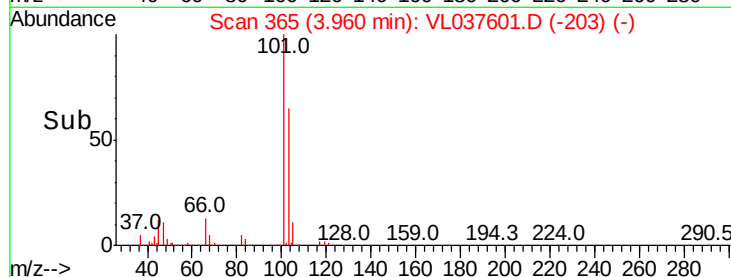
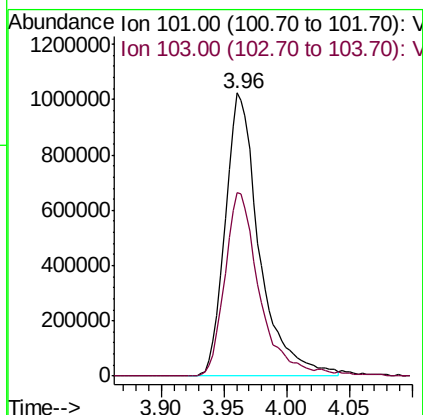
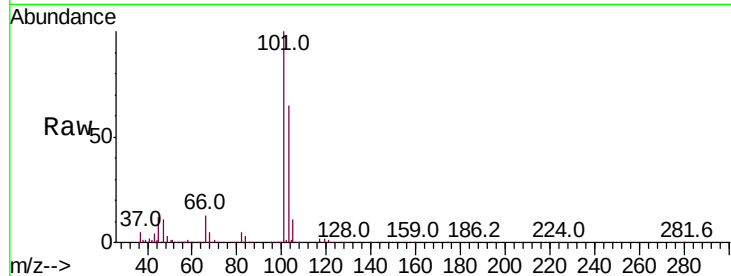




#11
 Trichlorofluoromethane
 Concen: 8.484 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.02 min
 Lab File: VL037601.D
 Acq: 9 Sep 2021 16:40

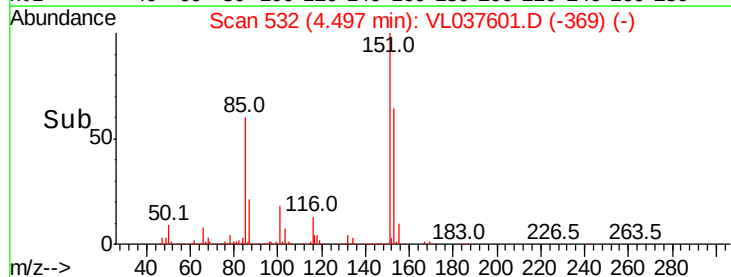
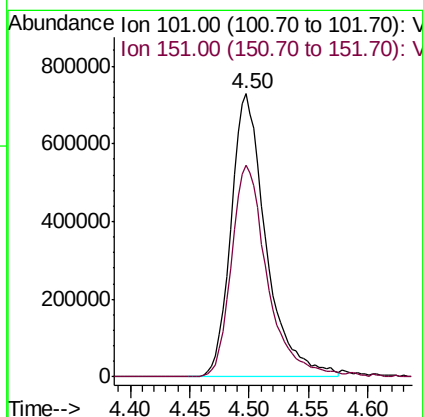
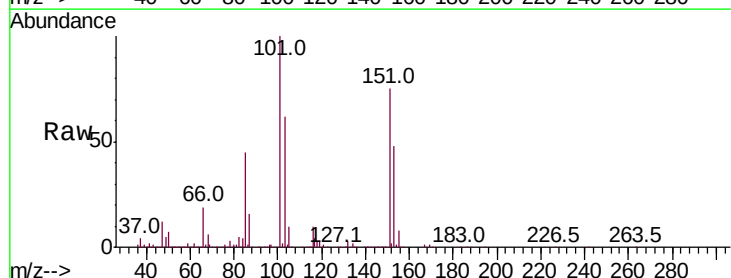
Instrument :
 MSVOA_L
 ClientSampled :

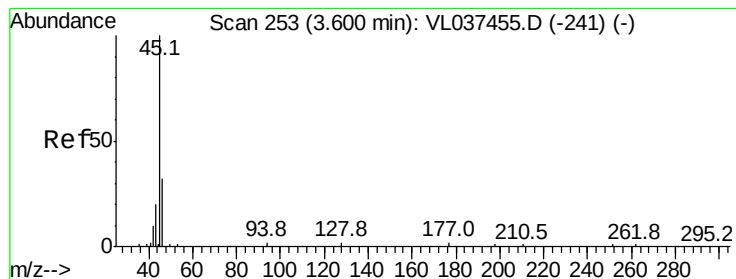
Tot Ion:101 Resp: 1935081
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.910 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T. 0.03 min
 Lab File: VL037601.D
 Acq: 9 Sep 2021 16:40

Tgt Ion:101 Resp: 1491379
 Ion Ratio Lower Upper
 101 100
 151 77.5 63.7 95.5





#13

Ethanol

Concen: 6.162 ppbv

RT: 3.62 min Scan# 260

Delta R.T. 0.02 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Instrument :

MSVOA_L

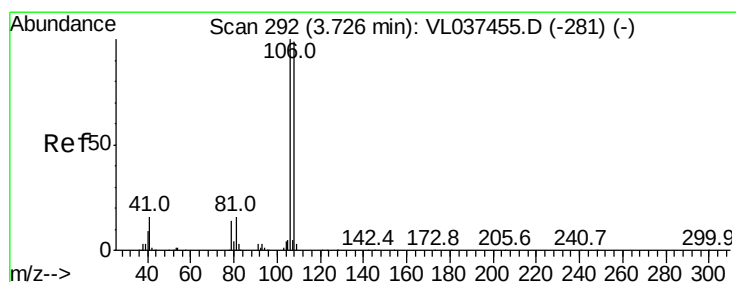
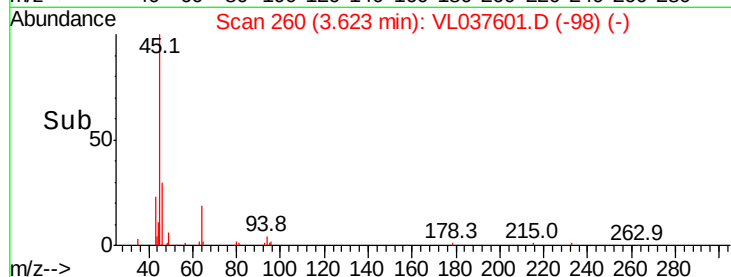
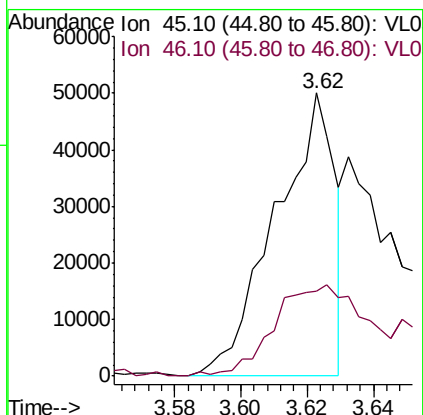
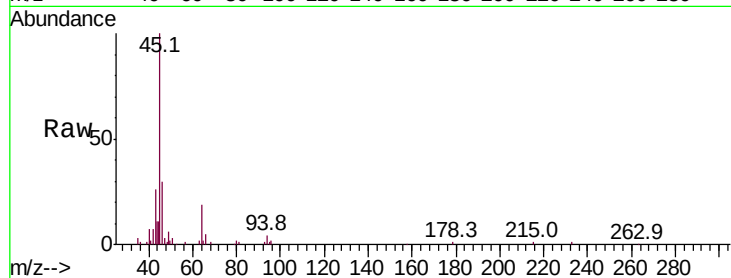
ClientSampleId :

Tot Ion: 45 Resp: 62219

Ion Ratio Lower Upper

45 100

46 74.5 14.1 56.5#



#14

Bromoethene

Concen: 8.726 ppbv

RT: 3.75 min Scan# 300

Delta R.T. 0.03 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

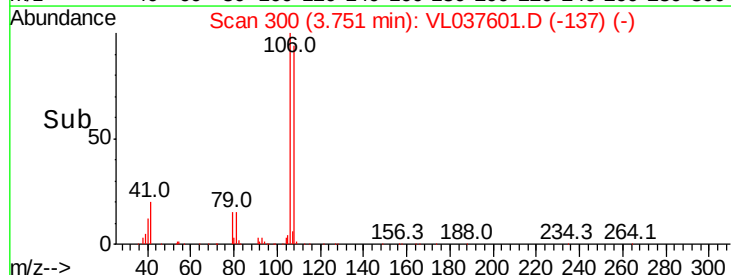
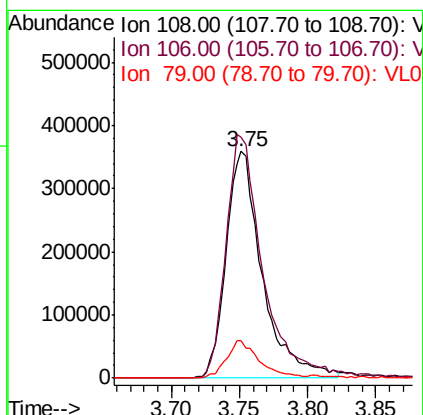
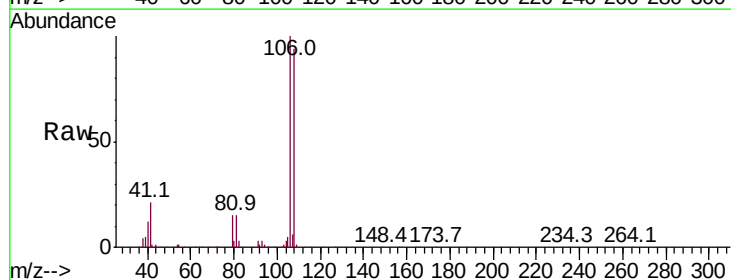
Tgt Ion: 108 Resp: 663064

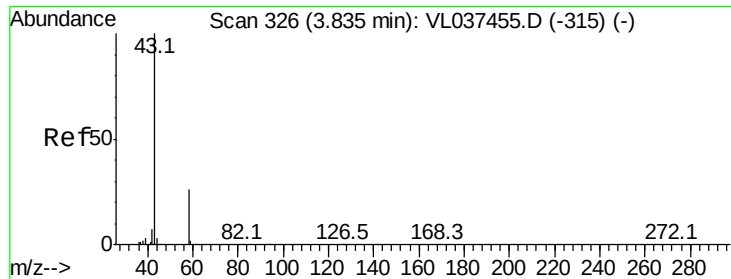
Ion Ratio Lower Upper

108 100

106 111.4 85.8 128.8

79 16.3 12.6 18.8

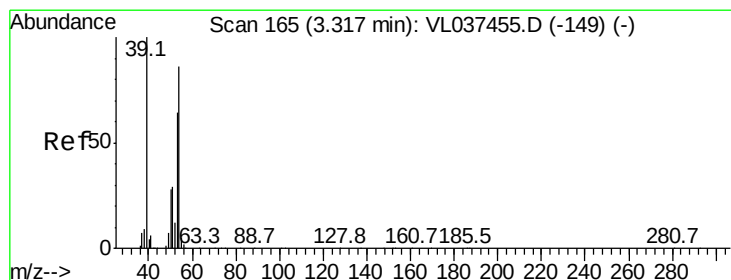
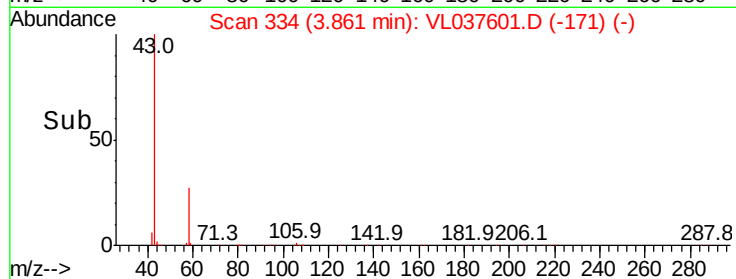
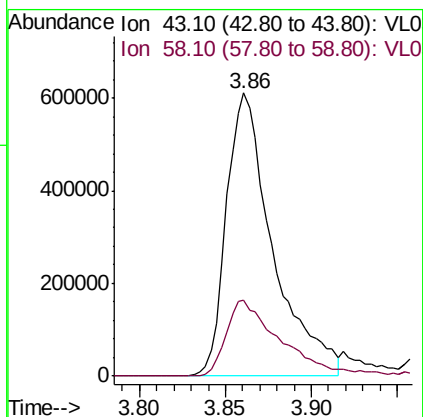
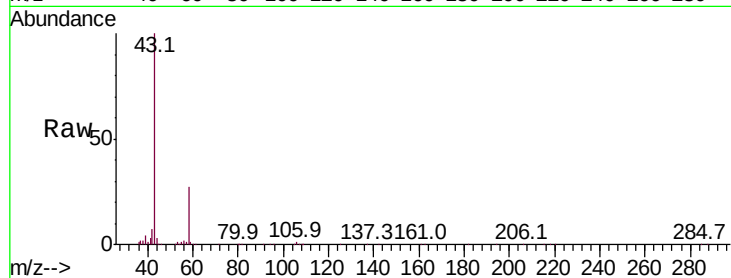




#15
Acetone
Concen: 7.401 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.03 min
Lab File: VL037601.D
Acq: 9 Sep 2021 16:40

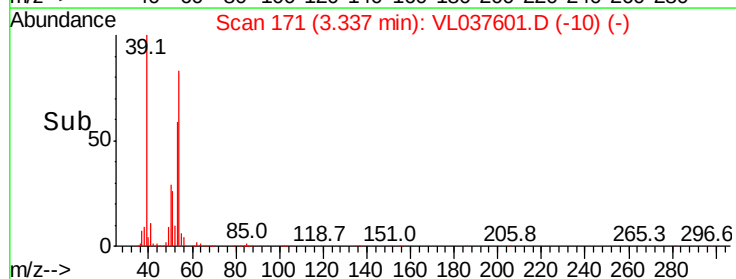
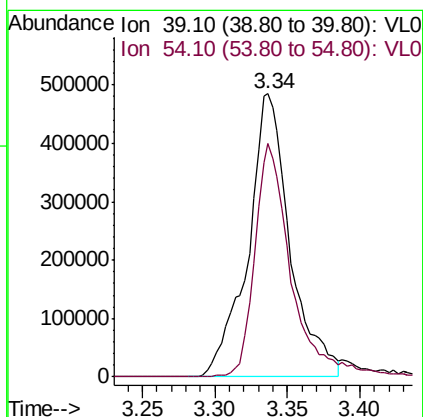
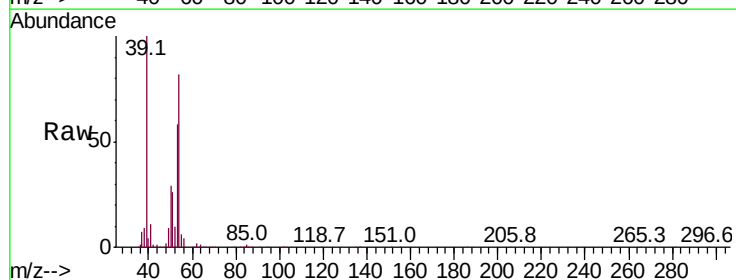
Instrument :
MSVOA_L
ClientSampleId :

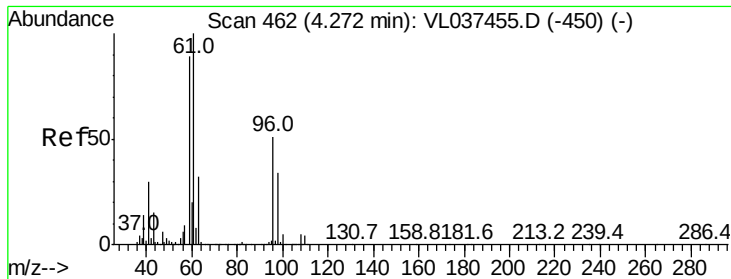
Tot Ion: 43 Resp: 1140704
Ion Ratio Lower Upper
43 100
58 32.0 24.8 37.2



#16
1,3-Butadiene
Concen: 9.915 ppbv
RT: 3.34 min Scan# 171
Delta R.T. 0.02 min
Lab File: VL037601.D
Acq: 9 Sep 2021 16:40

Tgt Ion: 39 Resp: 980317
Ion Ratio Lower Upper
39 100
54 72.3 63.7 95.5





#17

tert-Butyl alcohol

Concen: 8.884 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.03 min

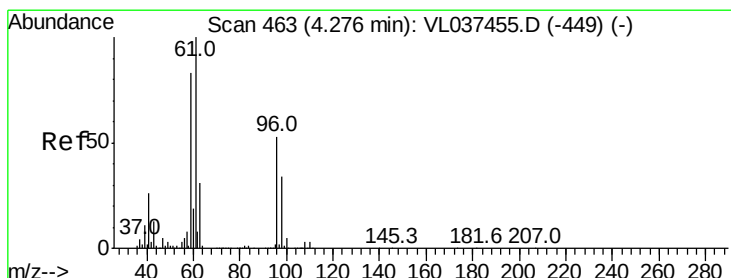
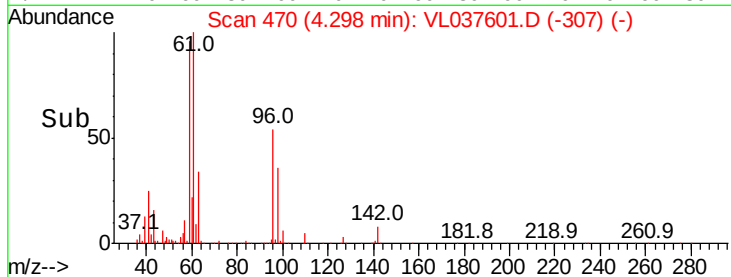
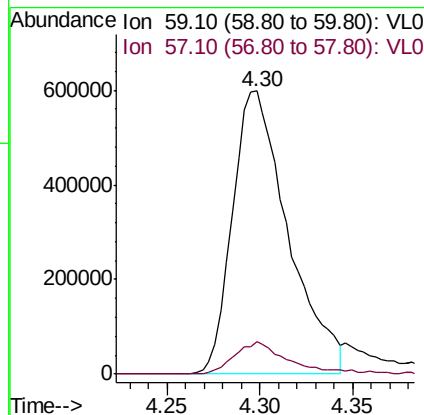
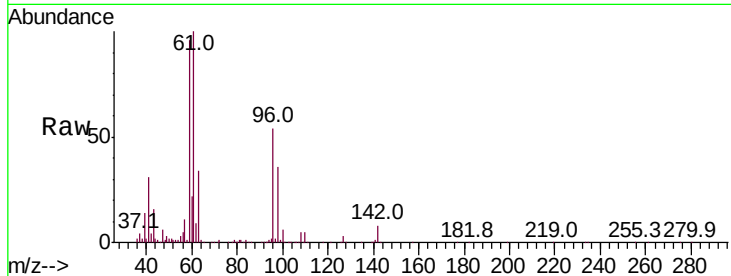
Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 59 Resp: 1250818

Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.3	12.5



#18

1,1-Dichloroethene

Concen: 8.823 ppbv

RT: 4.30 min Scan# 471

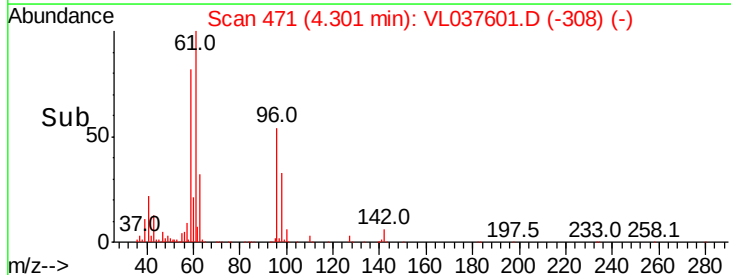
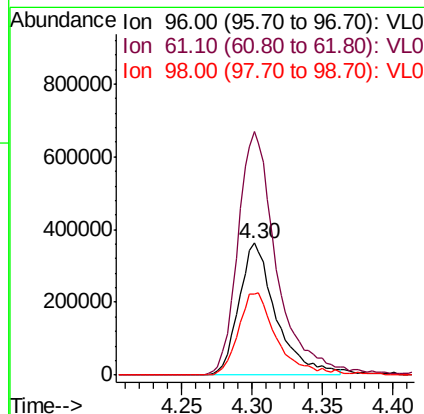
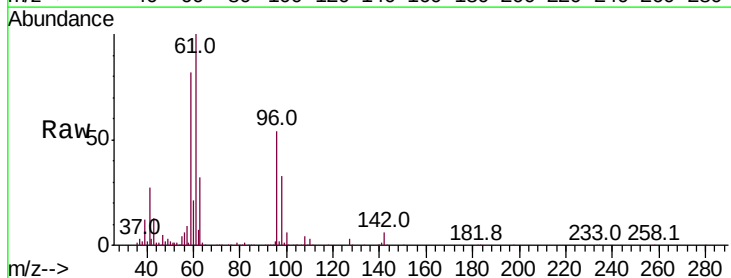
Delta R.T. 0.03 min

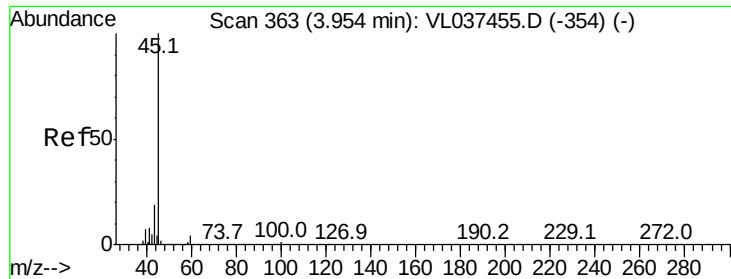
Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Tgt Ion: 96 Resp: 670854

Ion	Ratio	Lower	Upper
96	100		
61	184.6	151.1	226.7
98	61.6	51.8	77.8





#19

Isopropyl Alcohol

Concen: 9.288 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.02 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Instrument :

MSVOA_L

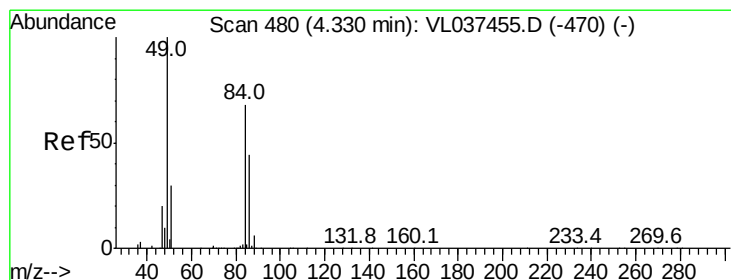
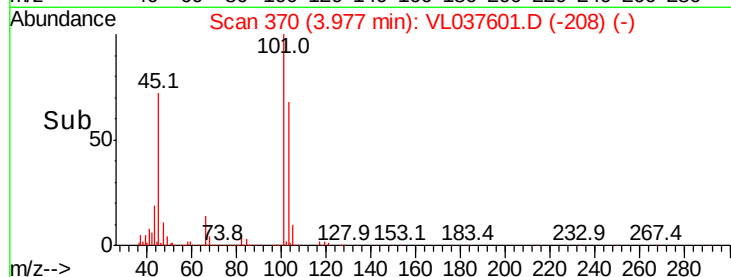
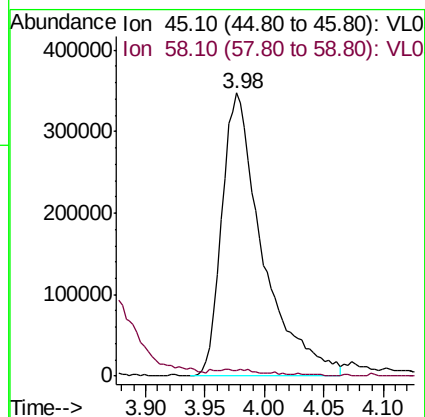
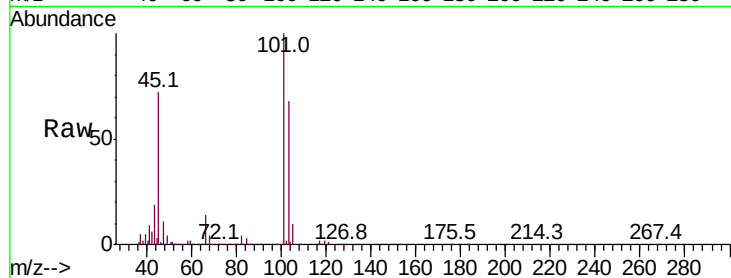
ClientSampleId :

Tot Ion: 45 Resp: 820168

Ion Ratio Lower Upper

45 100

58 3.0 1.4 2.2#



#20

Methylene Chloride

Concen: 7.244 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.03 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Tgt Ion: 84 Resp: 559019

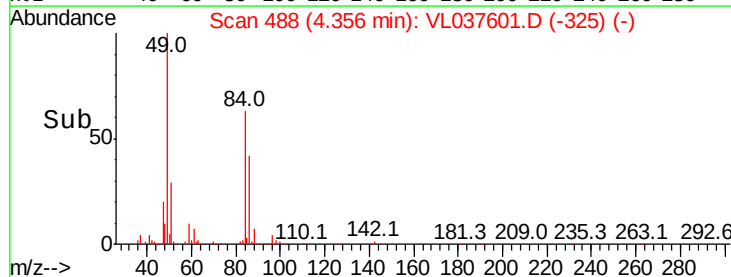
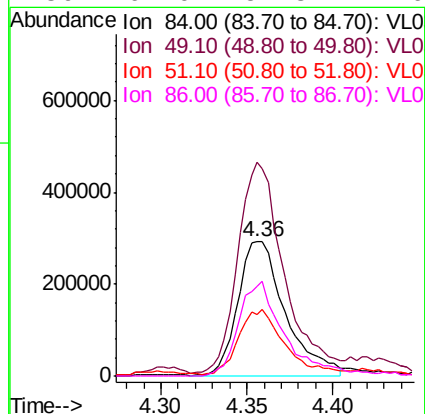
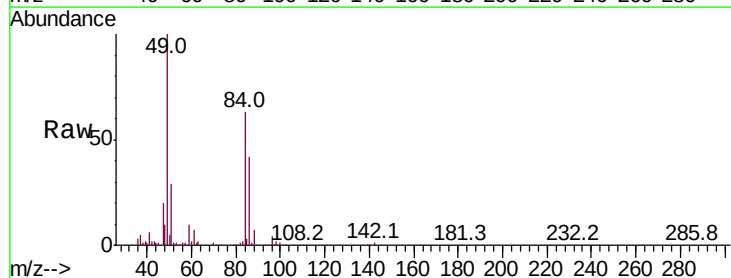
Ion Ratio Lower Upper

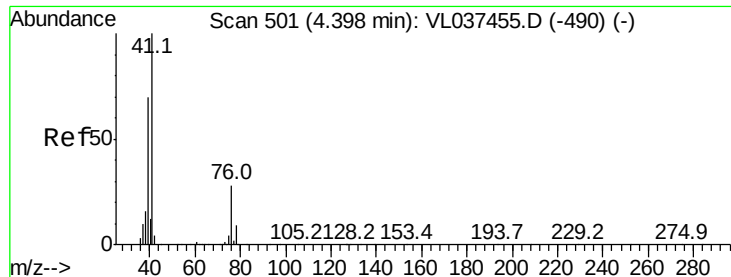
84 100

49 157.9 118.2 177.2

51 44.4 36.6 55.0

86 67.0 51.8 77.6

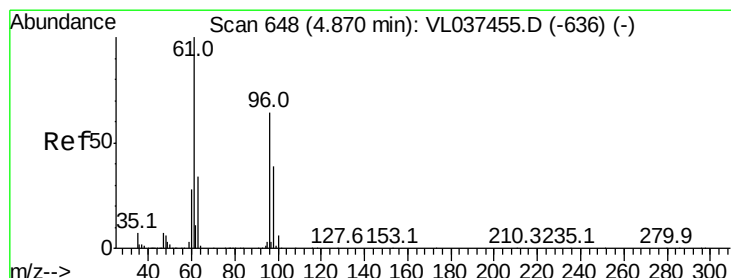
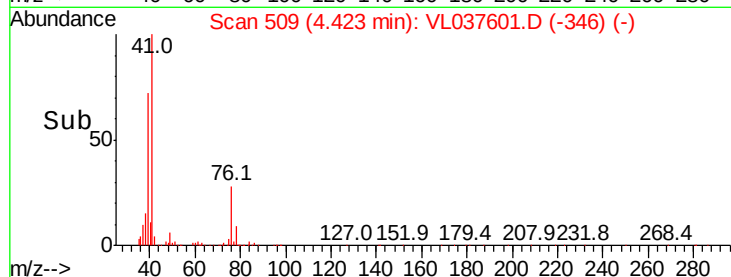
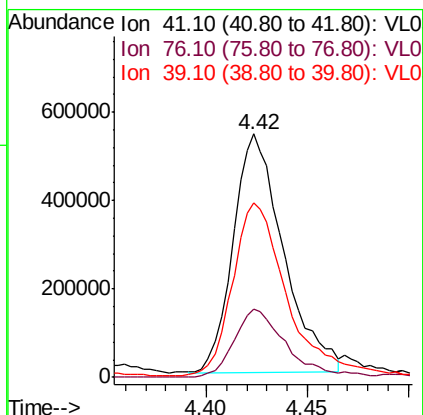
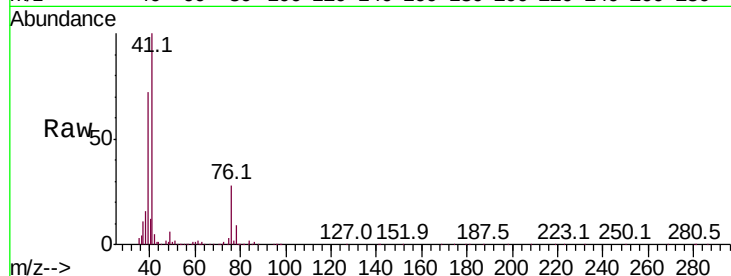




#21
Allvl Chloride
Concen: 7.509 ppbv
RT: 4.42 min Scan# 509
Delta R.T. 0.03 min
Lab File: VL037601.D
Acq: 9 Sep 2021 16:40

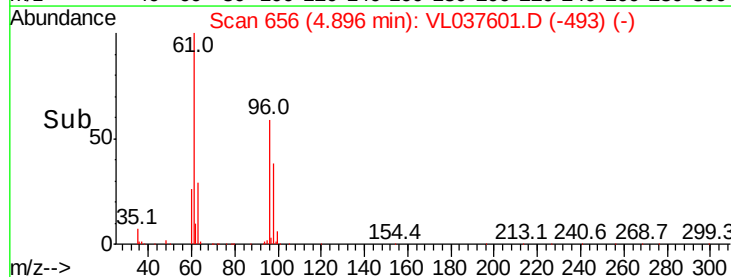
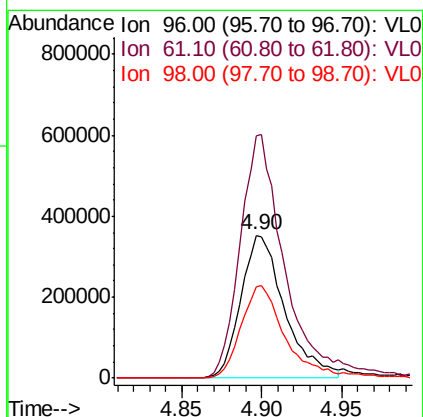
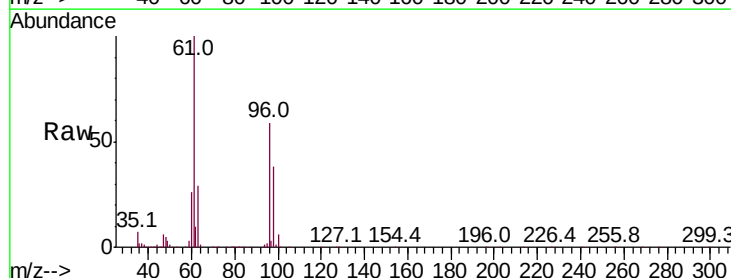
Instrument :
MSVOA_L
ClientSampleId :

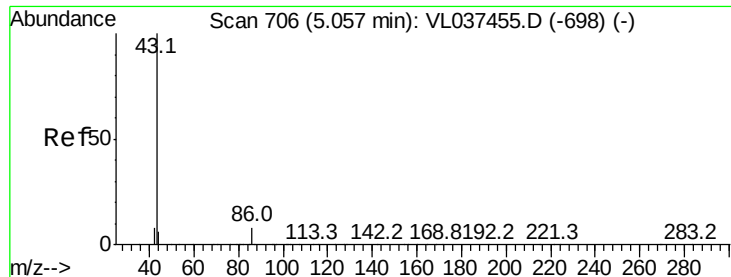
Tot Ion: 41 Resp: 940051
Ion Ratio Lower Upper
41 100
76 30.6 21.8 32.6
39 80.1 56.8 85.2



#22
trans-1,2-Dichloroethene
Concen: 8.696 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.03 min
Lab File: VL037601.D
Acq: 9 Sep 2021 16:40

Tgt Ion: 96 Resp: 659643
Ion Ratio Lower Upper
96 100
61 169.0 125.5 188.3
98 64.2 49.0 73.4





#23

Vinyl Acetate

Concen: 8.584 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.03 min

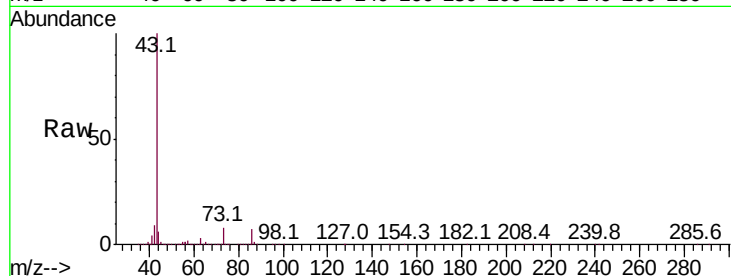
Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

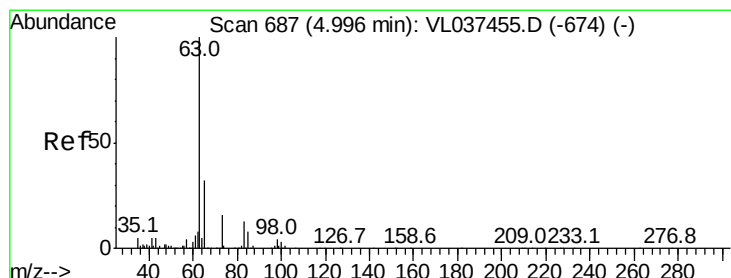
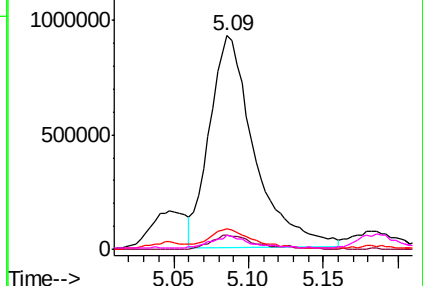
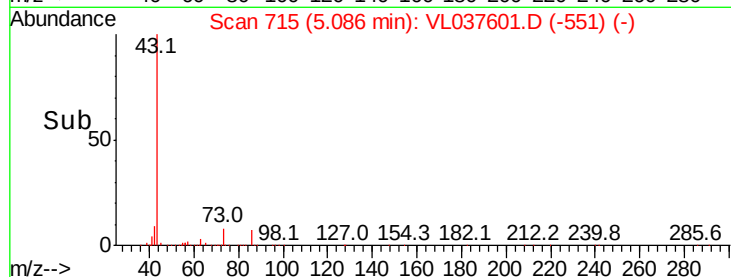
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 1950222

Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.7	8.5
42	9.1	7.4	11.2
44	5.6	4.3	6.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.081 ppbv

RT: 5.02 min Scan# 696

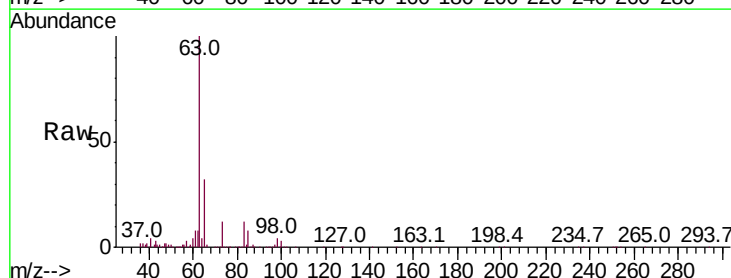
Delta R.T. 0.03 min

Lab File: VL037601.D

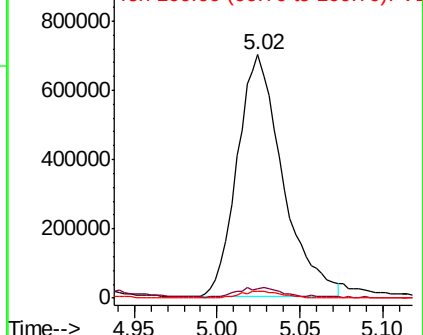
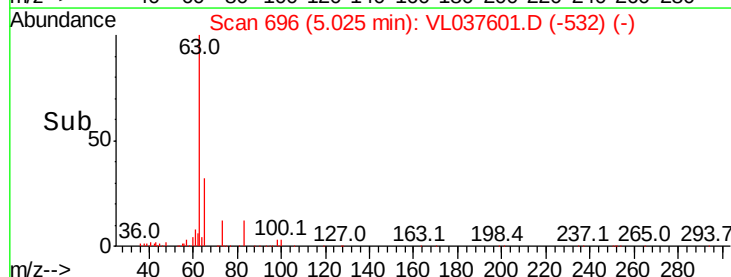
Acq: 9 Sep 2021 16:40

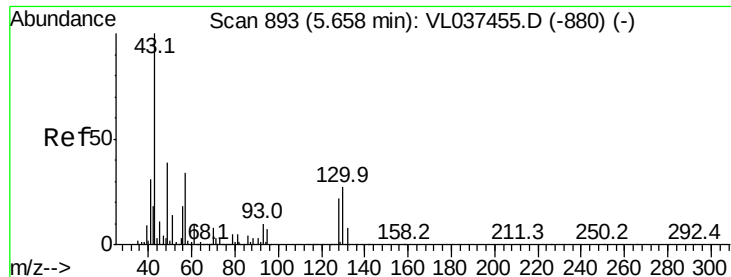
Tgt Ion: 63 Resp: 1331509

Ion	Ratio	Lower	Upper
63	100		
98	3.2	2.1	6.3
100	2.7	1.6	4.7



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.920 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.03 min

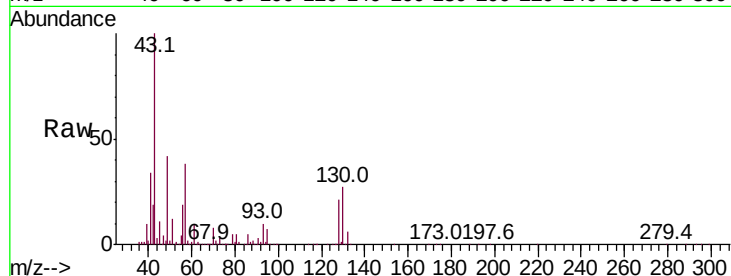
Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3490322

Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.0	8.0	12.0
70	7.1	5.6	8.4



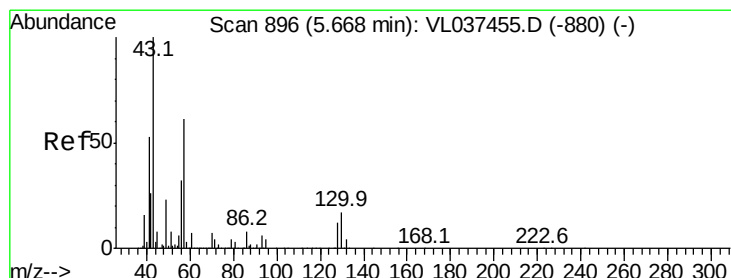
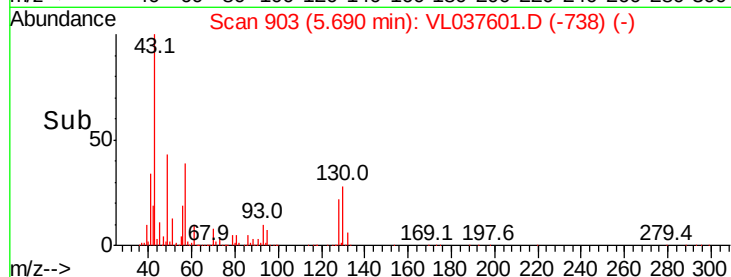
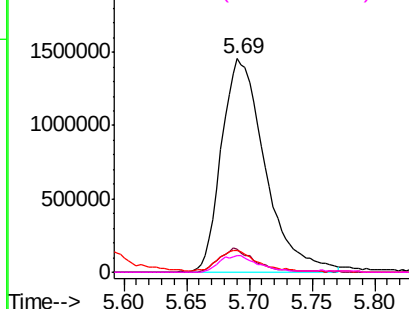
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.121 ppbv

RT: 5.70 min Scan# 906

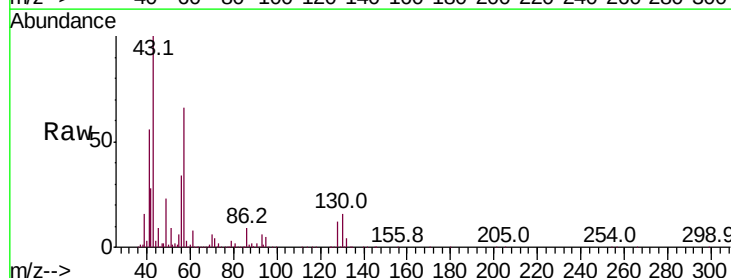
Delta R.T. 0.03 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Tgt Ion: 57 Resp: 1744982

Ion	Ratio	Lower	Upper
57	100		
41	89.0	72.3	108.5
43	205.0	172.3	258.5
56	52.9	42.8	64.2



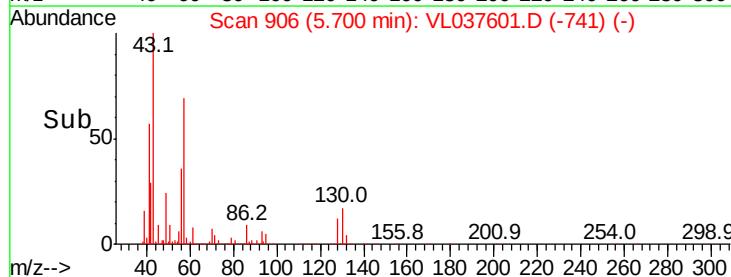
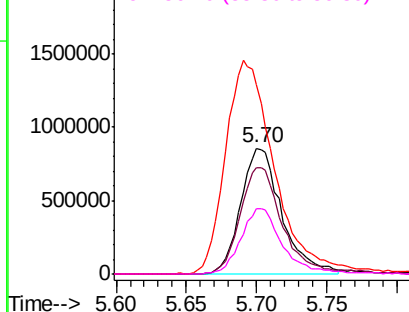
Abundance

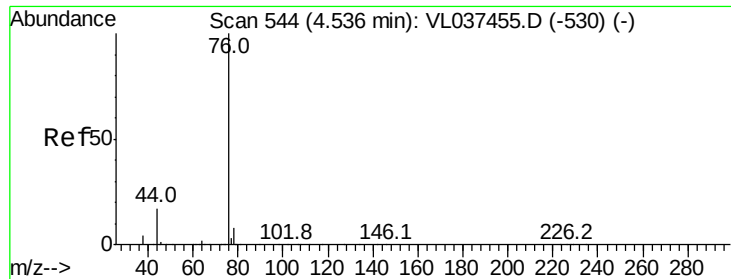
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 8.901 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.03 min

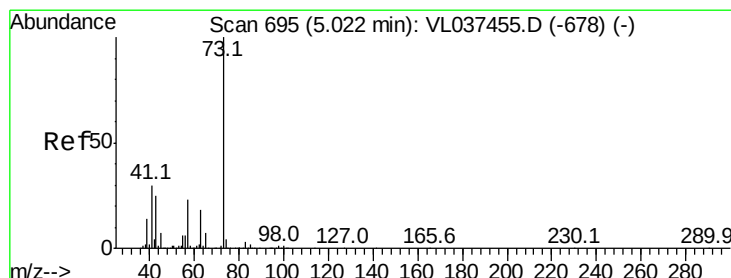
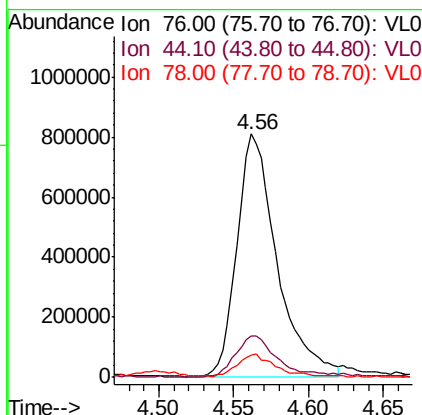
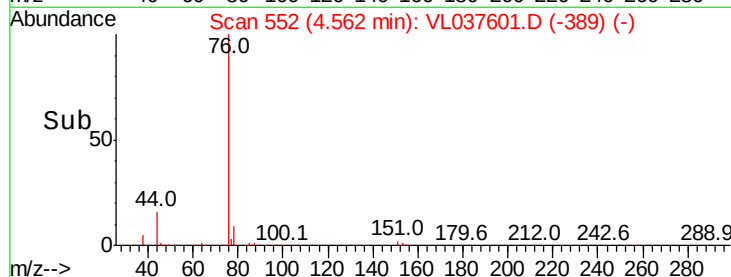
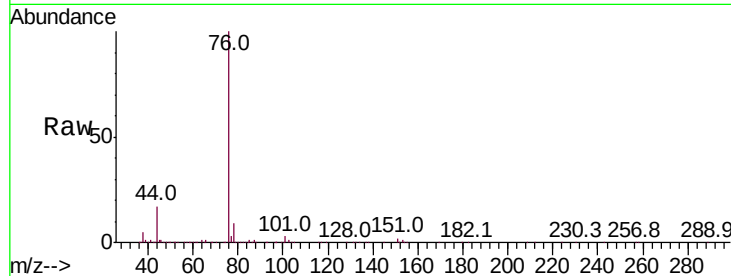
Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 76 Resp: 1517560

Ion	Ratio	Lower	Upper
76	100		
44	18.2	13.9	20.9
78	10.0	7.9	11.9



#28

Methyl tert-Butyl Ether

Concen: 7.154 ppbv

RT: 5.05 min Scan# 703

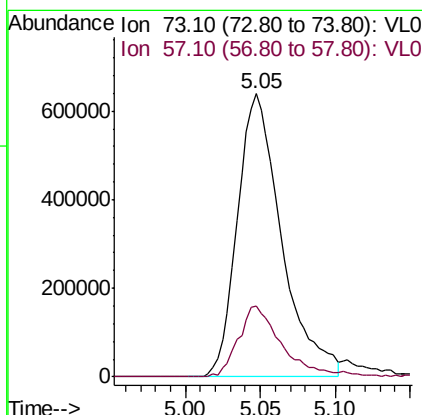
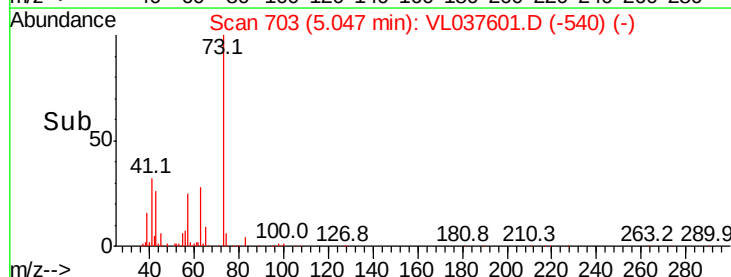
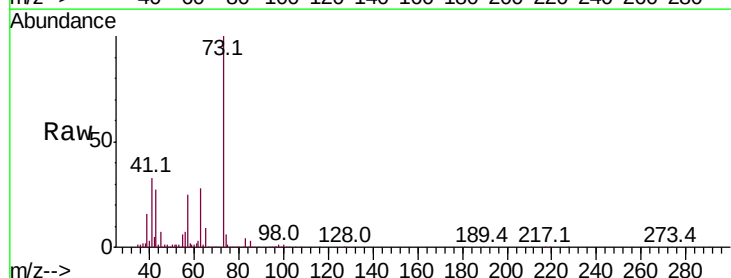
Delta R.T. 0.03 min

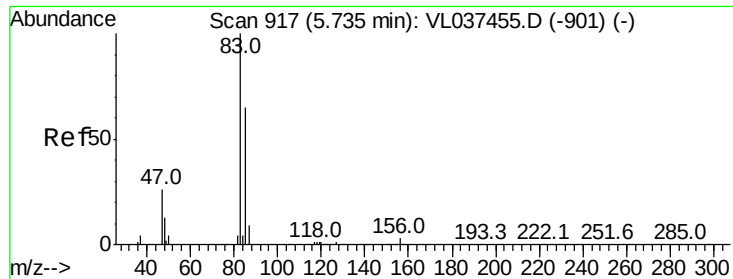
Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Tgt Ion: 73 Resp: 1314368

Ion	Ratio	Lower	Upper
73	100		
57	24.9	19.4	29.2

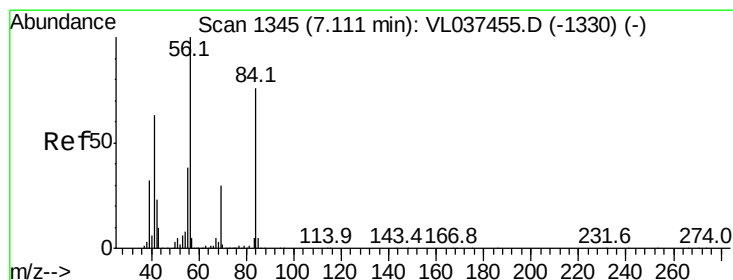
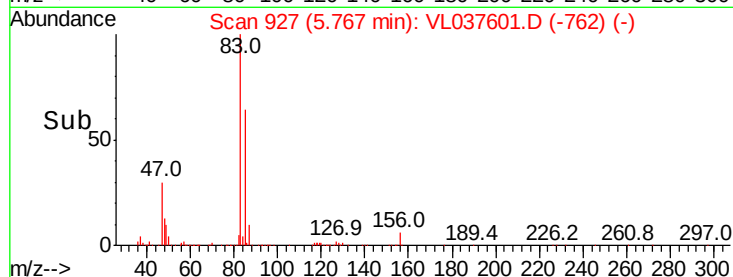
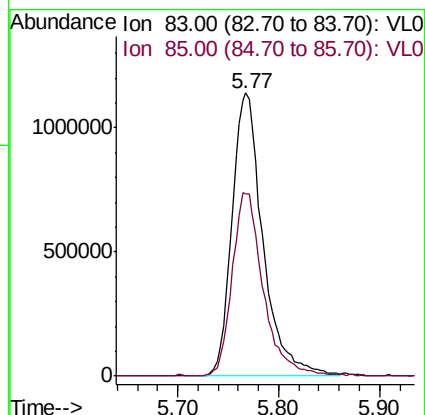
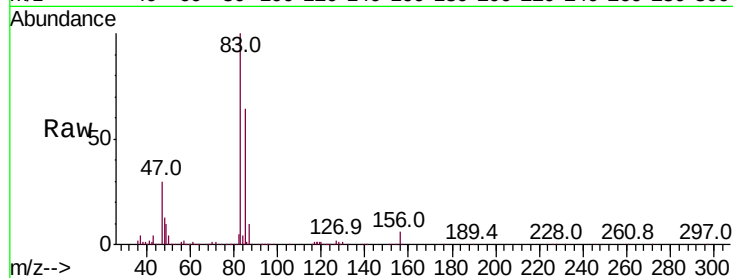




#29
Chloroform
Concen: 9.013 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.03 min
Lab File: VL037601.D
Acq: 9 Sep 2021 16:40

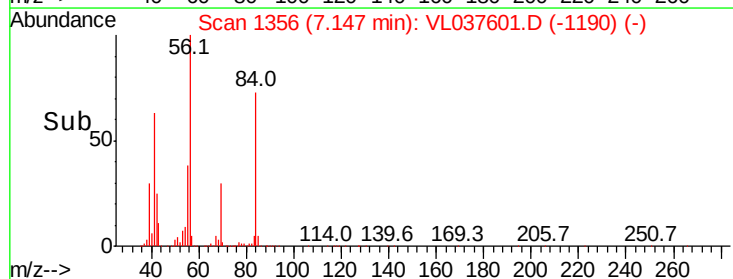
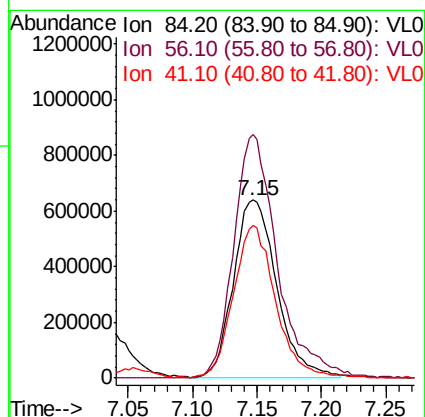
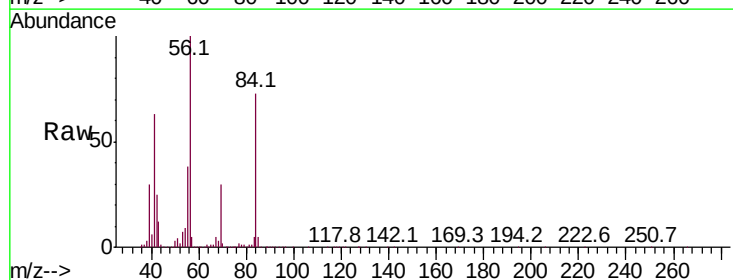
Instrument :
MSVOA_L
ClientSampled :

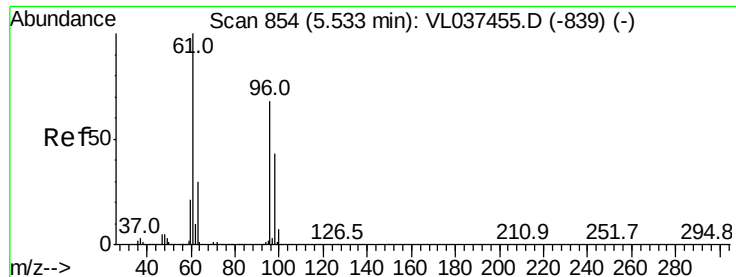
Tot Ion: 83 Resp: 2443594
Ion Ratio Lower Upper
83 100
85 64.2 52.3 78.5



#30
Cyclohexane
Concen: 9.282 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.04 min
Lab File: VL037601.D
Acq: 9 Sep 2021 16:40

Tgt Ion: 84 Resp: 1479511
Ion Ratio Lower Upper
84 100
56 140.6 110.6 165.8
41 84.9 67.0 100.6





#31

cis-1,2-Dichloroethene

Concen: 8.984 ppbv

RT: 5.56 min Scan# 864

Delta R.T. 0.03 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

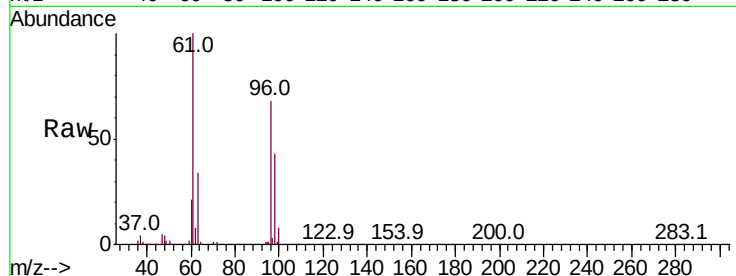
Tot Ion: 61 Resp: 1555464

Ion Ratio Lower Upper

61 100

96 67.7 54.8 82.2

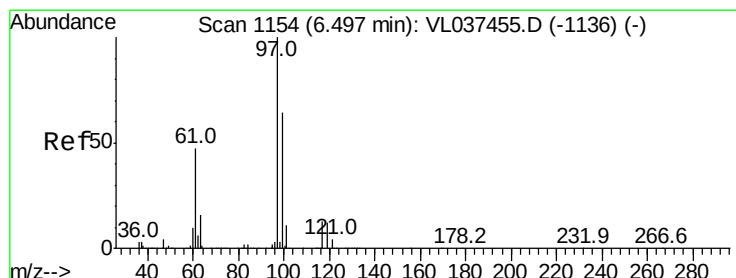
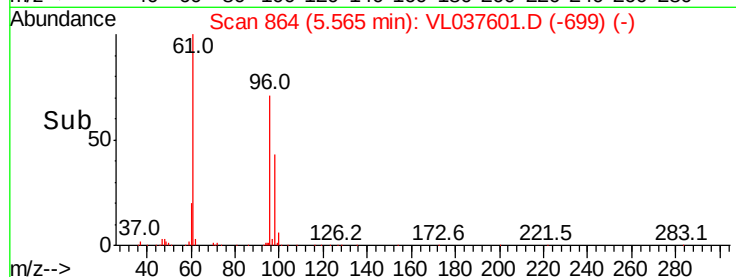
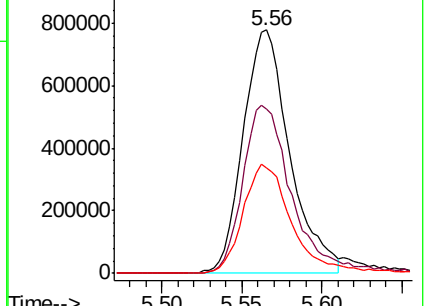
98 43.4 34.2 51.2



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



#32

1,1,1-Trichloroethane

Concen: 8.806 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.03 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

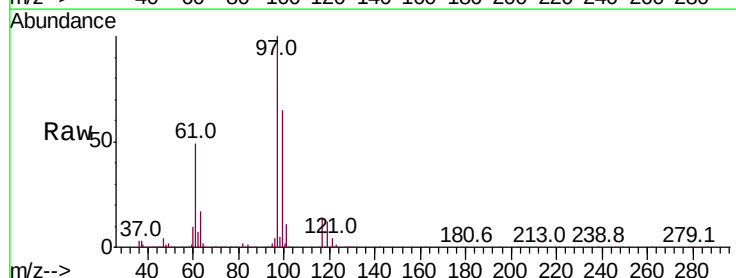
Tgt Ion: 97 Resp: 2345829

Ion Ratio Lower Upper

97 100

99 65.1 51.8 77.6

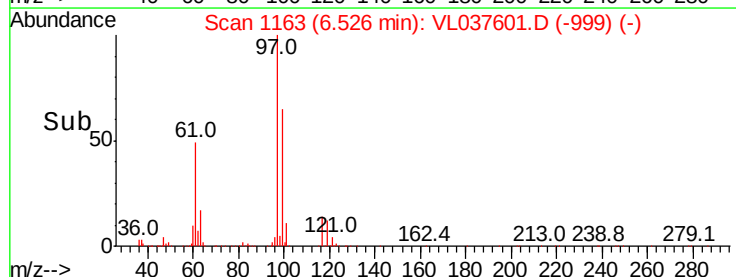
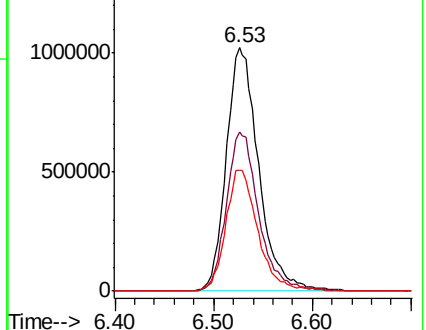
61 49.4 39.6 59.4

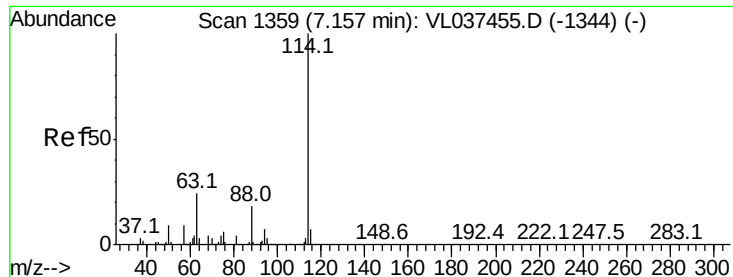


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. 0.04 min

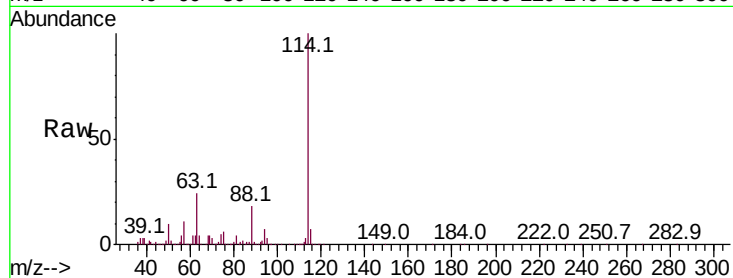
Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:114 Resp: 4471644

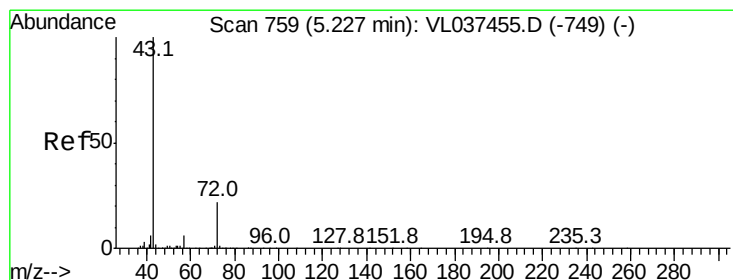
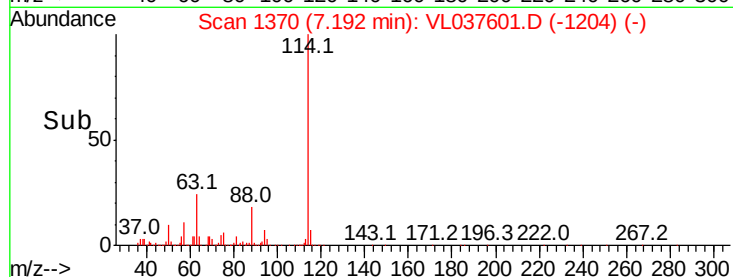
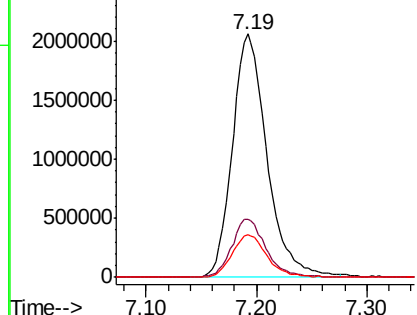
Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.3	28.9
88	18.1	14.2	21.4



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: 8.825 ppbv

RT: 5.26 min Scan# 768

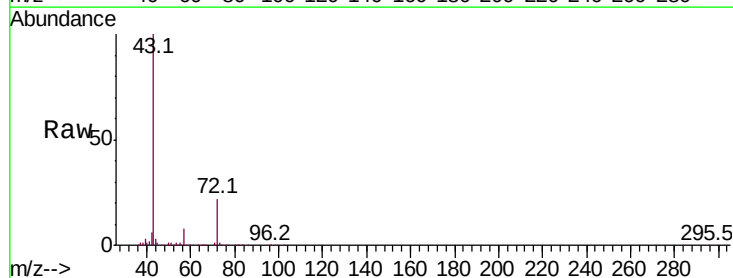
Delta R.T. 0.03 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

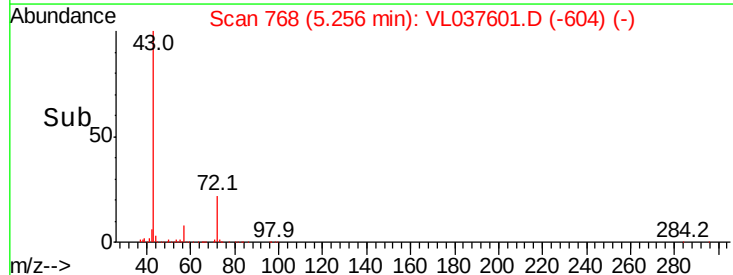
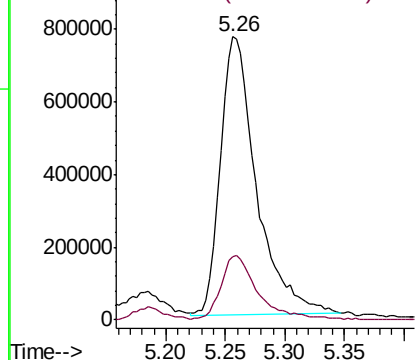
Tgt Ion: 43 Resp: 1611516

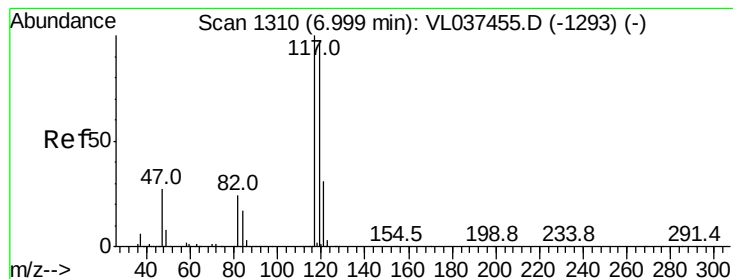
Ion	Ratio	Lower	Upper
43	100		
72	23.5	17.4	26.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.954 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.04 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

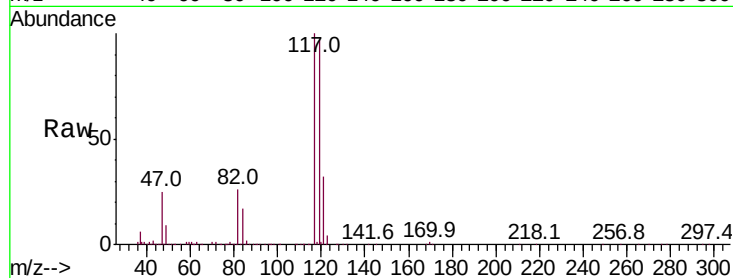
Tot Ion:117 Resp: 2366262

Ion Ratio Lower Upper

117 100

119 97.3 77.3 115.9

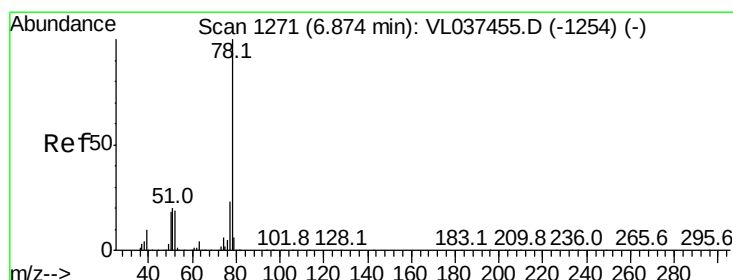
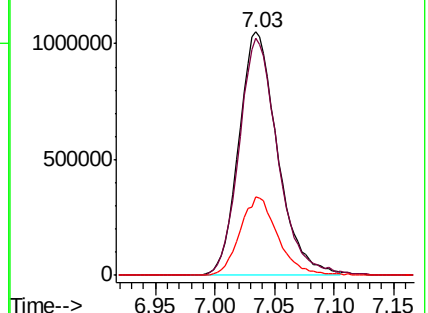
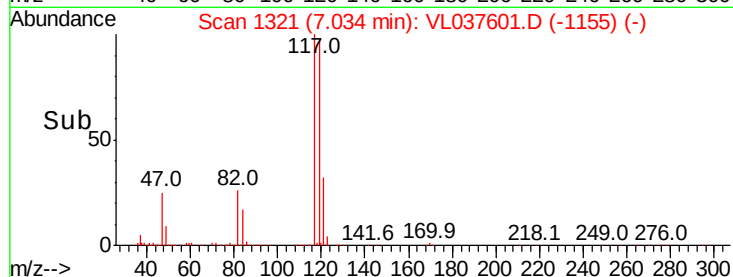
121 32.4 25.2 37.8



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: 9.710 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.04 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

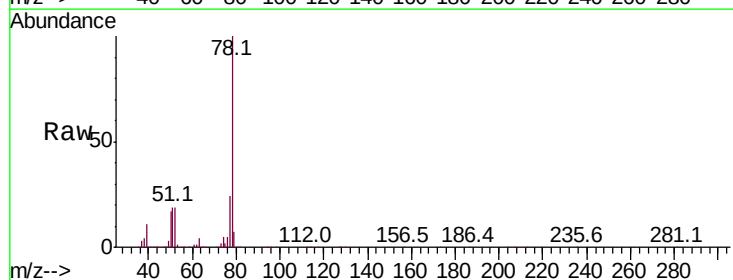
Tgt Ion: 78 Resp: 3649998

Ion Ratio Lower Upper

78 100

77 23.7 18.2 27.4

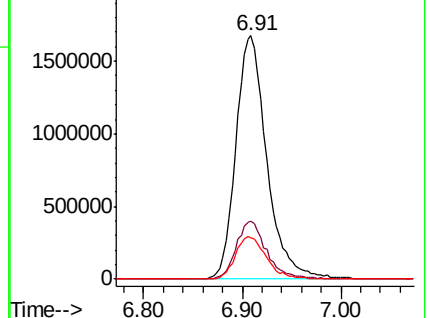
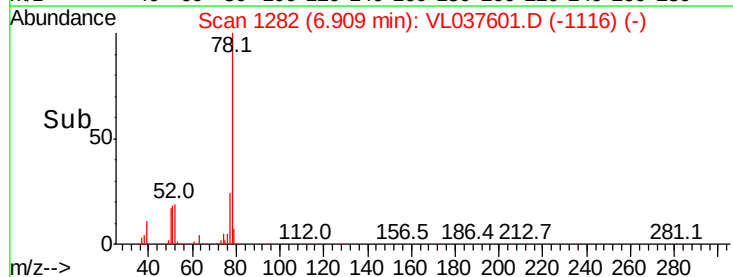
50 16.9 14.6 21.8

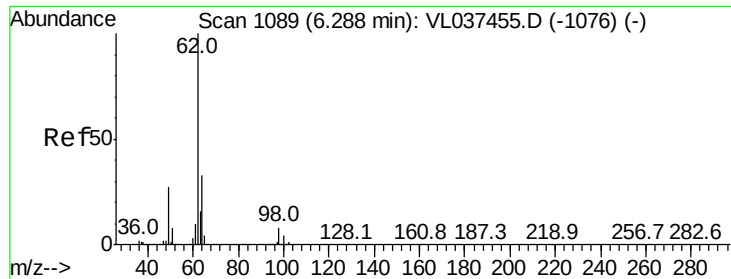


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

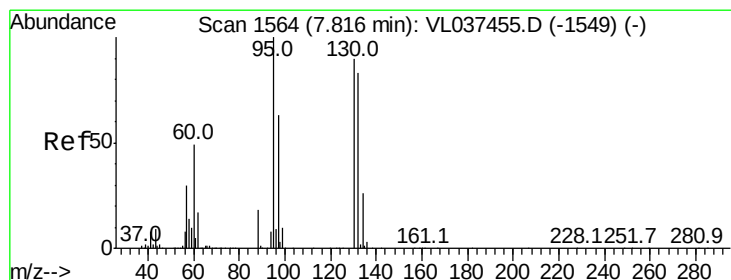
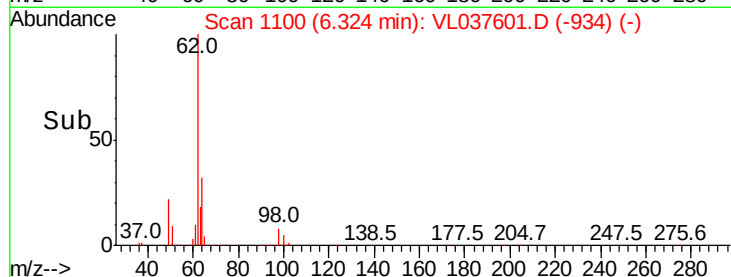
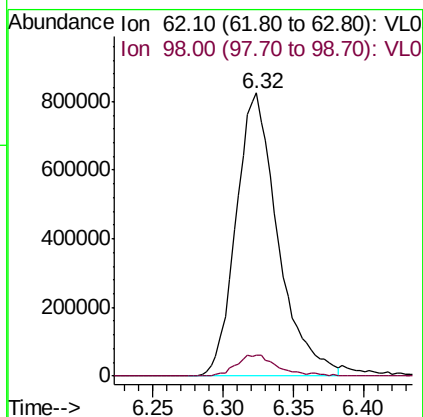
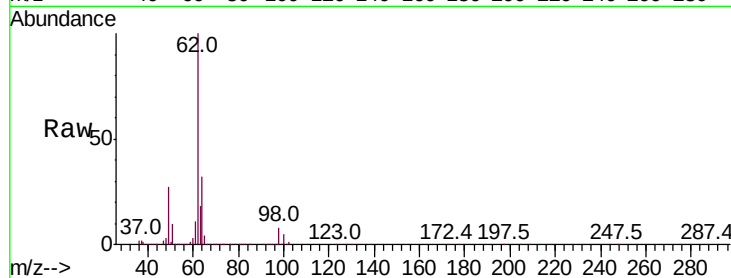




#37
 1,2-Dichloroethane
 Concen: 9.206 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. 0.04 min
 Lab File: VL037601.D
 Acq: 9 Sep 2021 16:40

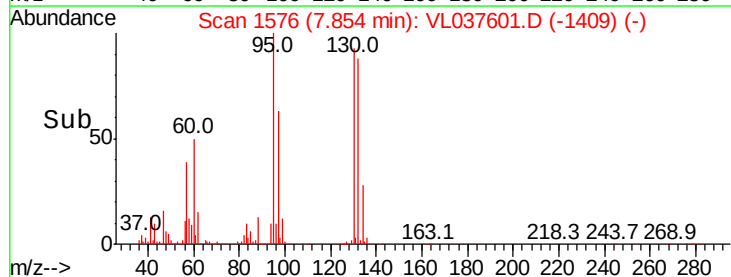
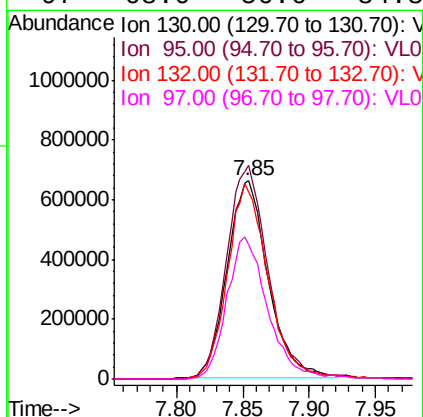
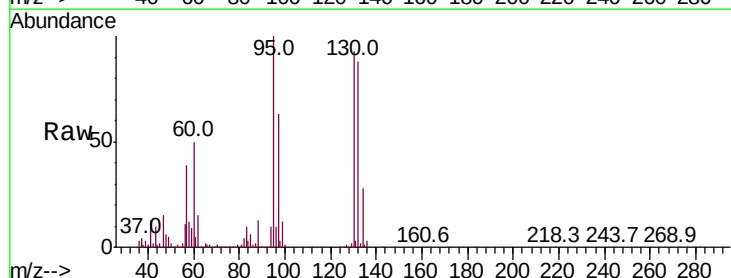
Instrument :
 MSVOA_L
 ClientSampleId :

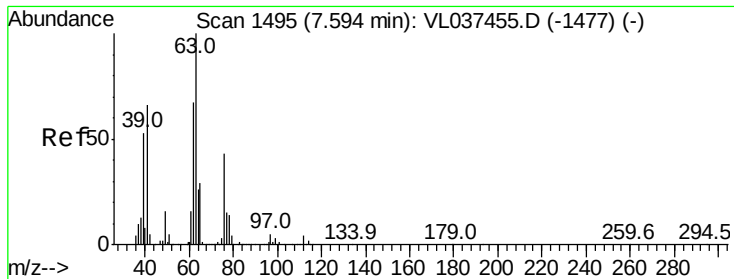
Tot Ion: 62 Resp: 1714111
 Ion Ratio Lower Upper
 62 100
 98 7.8 6.0 9.0



#38
 Trichloroethene
 Concen: 9.159 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.04 min
 Lab File: VL037601.D
 Acq: 9 Sep 2021 16:40

Tgt Ion:130 Resp: 1412589
 Ion Ratio Lower Upper
 130 100
 95 108.1 89.2 133.8
 132 94.8 74.0 111.0
 97 68.0 56.6 84.8





#39

1,2-Dichloropropane

Concen: 9.670 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. 0.04 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

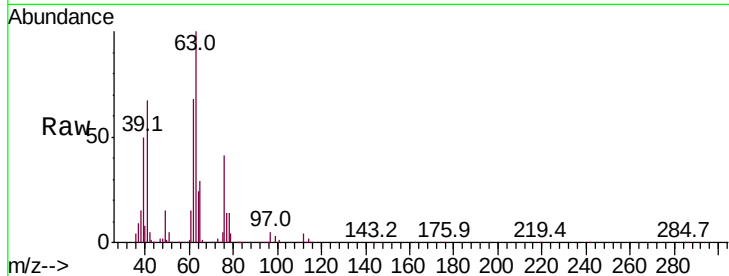
Tot Ion: 63 Resp: 1396829

Ion Ratio Lower Upper

63 100

41 66.6 52.4 78.6

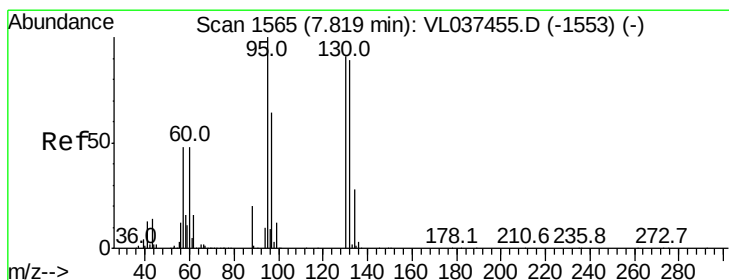
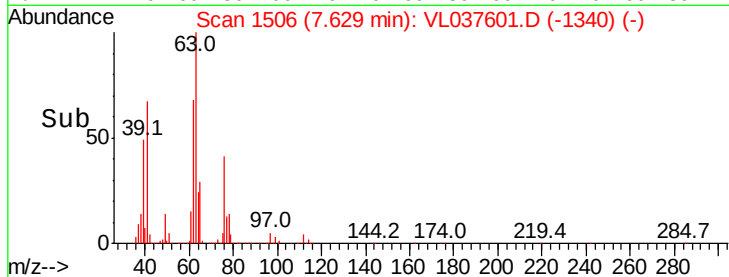
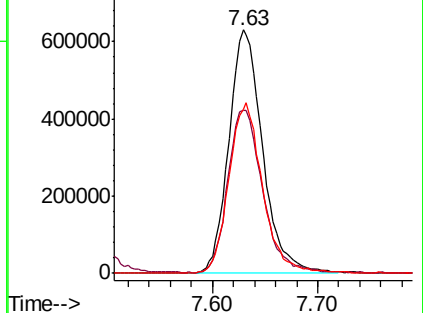
62 67.6 53.6 80.4



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 6.091 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. 0.04 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Tgt Ion: 88 Resp: 215543

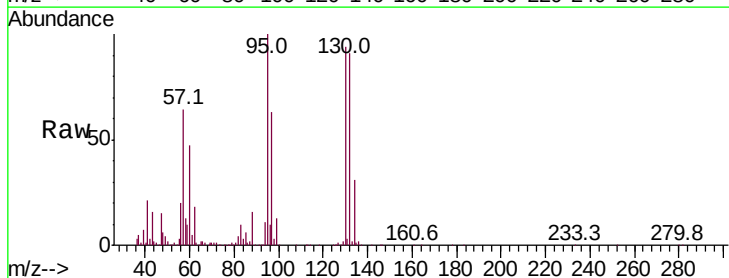
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

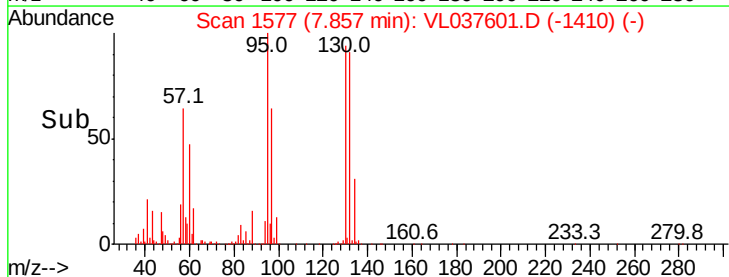
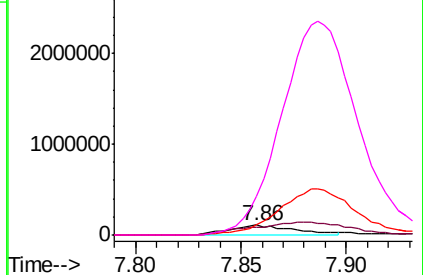


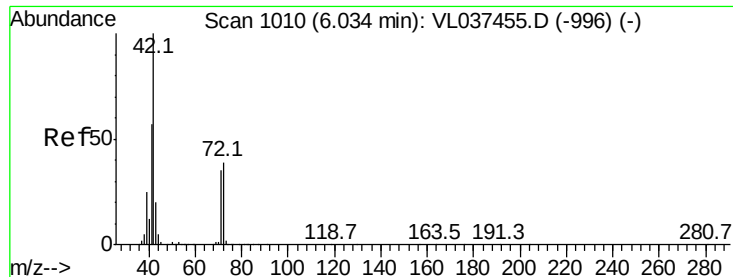
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

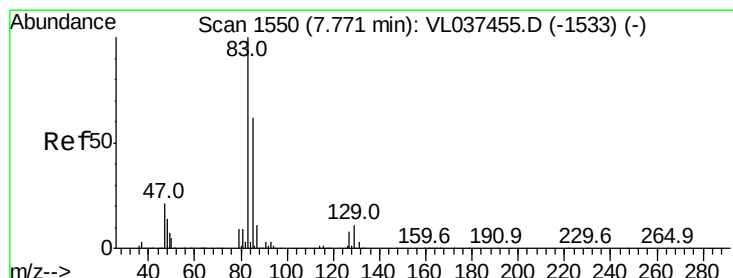
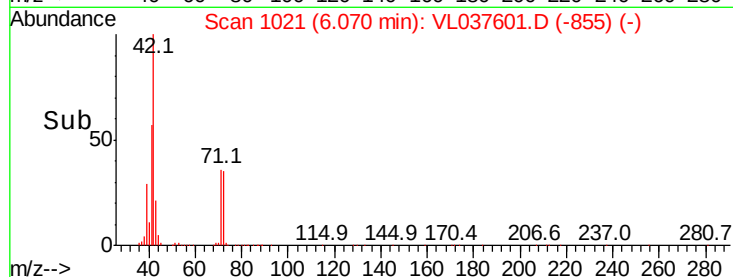
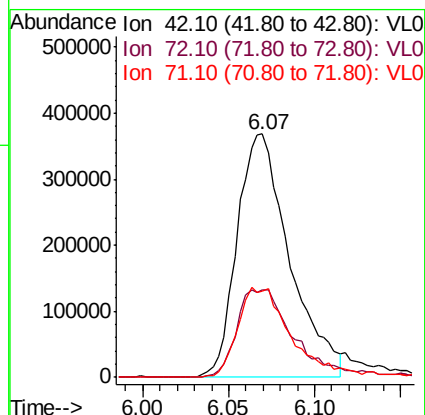
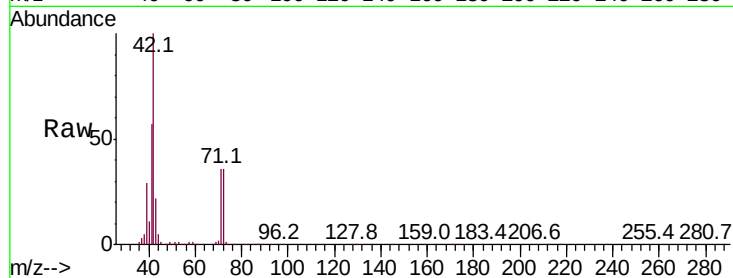




#41
Tetrahydrofuran
Concen: 8.801 ppbv
RT: 6.07 min Scan# 1021
Delta R.T. 0.04 min
Lab File: VL037601.D
Acq: 9 Sep 2021 16:40

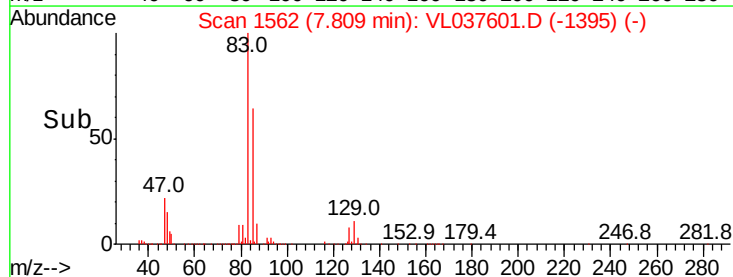
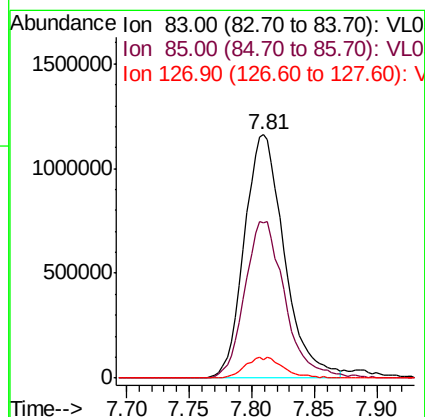
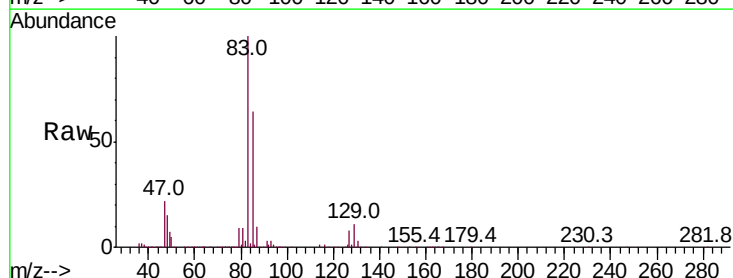
Instrument :
MSVOA_L
ClientSampleId :

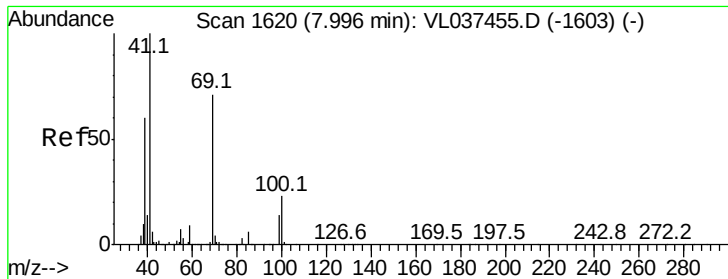
Tot Ion: 42 Resp: 774145
Ion Ratio Lower Upper
42 100
72 41.0 32.2 48.4
71 39.2 30.5 45.7



#42
Bromodichloromethane
Concen: 9.478 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.04 min
Lab File: VL037601.D
Acq: 9 Sep 2021 16:40

Tgt Ion: 83 Resp: 2580589
Ion Ratio Lower Upper
83 100
85 63.8 49.5 74.3
127 7.8 6.3 9.5

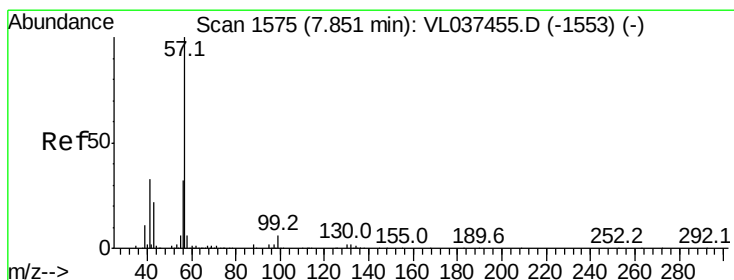
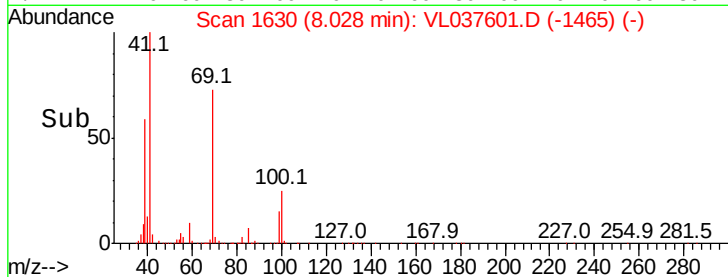
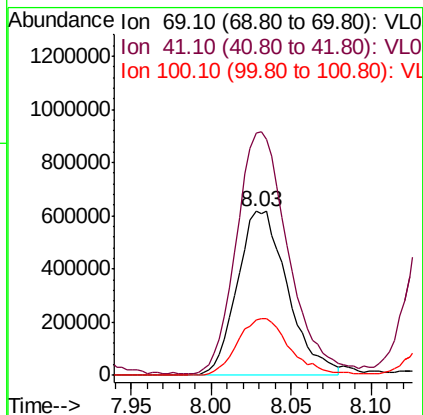
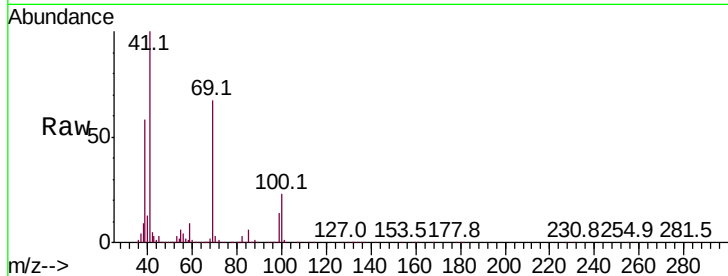




#43
Methyl Methacrylate
Concen: 10.138 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.03 min
Lab File: VL037601.D
Acq: 9 Sep 2021 16:40

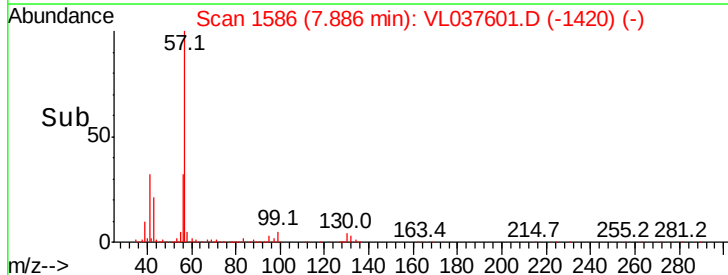
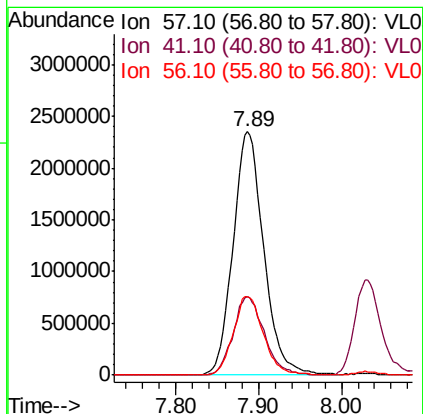
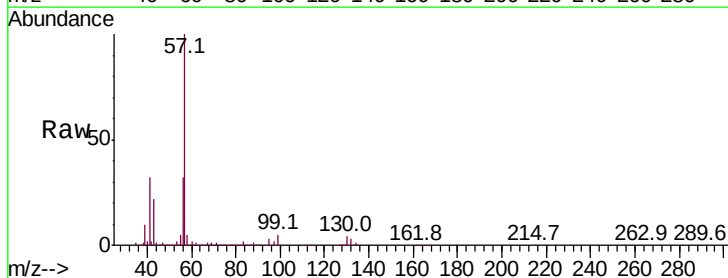
Instrument :
MSVOA_L
ClientSampleId :

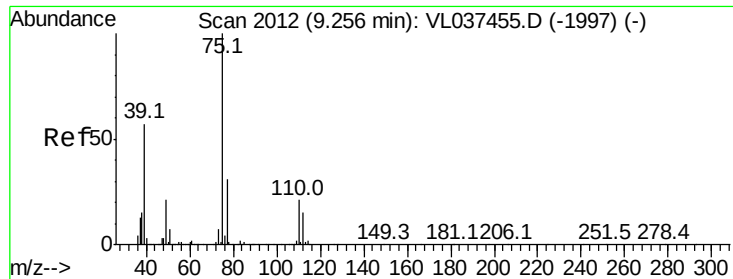
Tot Ion: 69 Resp: 1328299
Ion Ratio Lower Upper
69 100
41 153.0 118.6 178.0
100 36.0 27.4 41.0



#44
2,2,4-Trimethylpentane
Concen: 9.569 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.04 min
Lab File: VL037601.D
Acq: 9 Sep 2021 16:40

Tgt Ion: 57 Resp: 6053673
Ion Ratio Lower Upper
57 100
41 32.6 26.2 39.4
56 32.1 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 8.967 ppbv

RT: 9.30 min Scan# 2025

Delta R.T. 0.04 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Instrument :

MSVOA_L

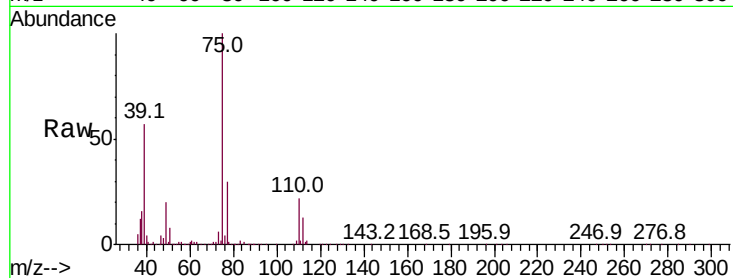
ClientSampleId :

Tot Ion: 75 Resp: 884376

Ion Ratio Lower Upper

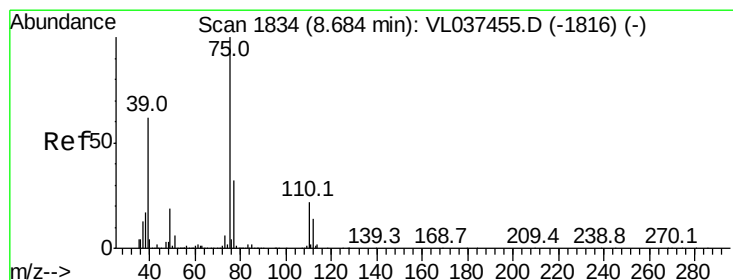
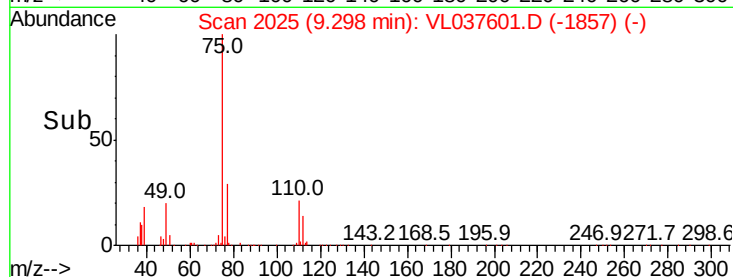
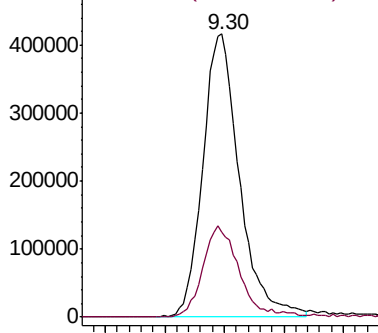
75 100

77 30.2 24.5 36.7



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 9.122 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. 0.04 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

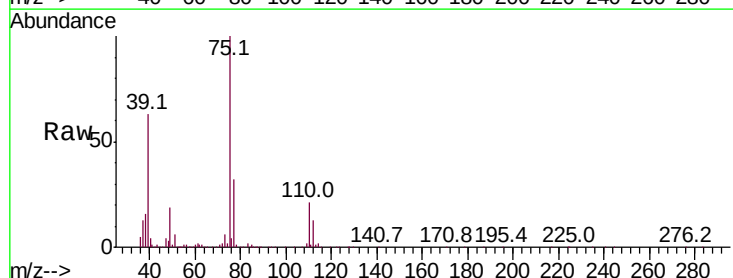
Tgt Ion: 75 Resp: 1255042

Ion Ratio Lower Upper

75 100

39 62.9 49.7 74.5

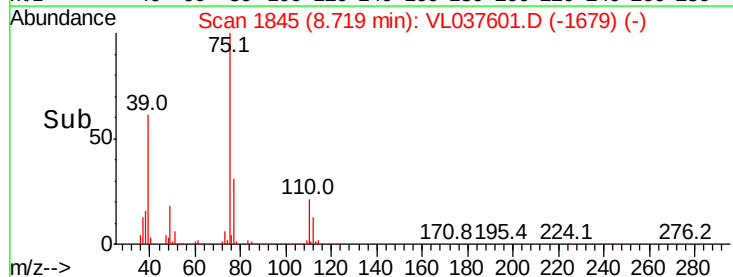
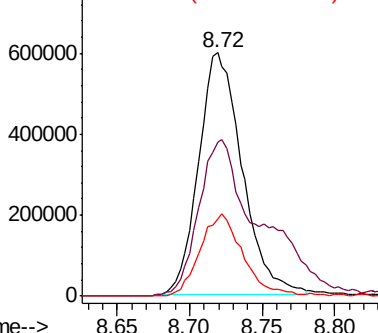
77 31.5 25.4 38.0

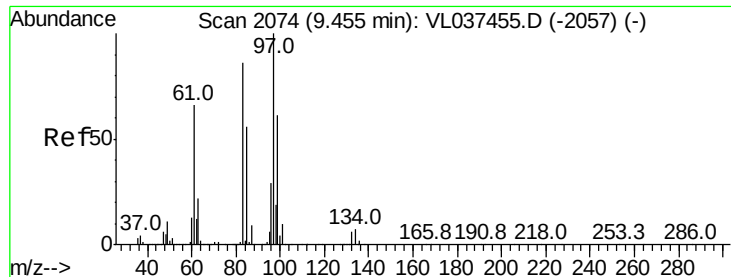


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 9.370 ppbv

RT: 9.49 min Scan# 2085

Delta R.T. 0.04 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 97 Resp: 1462471

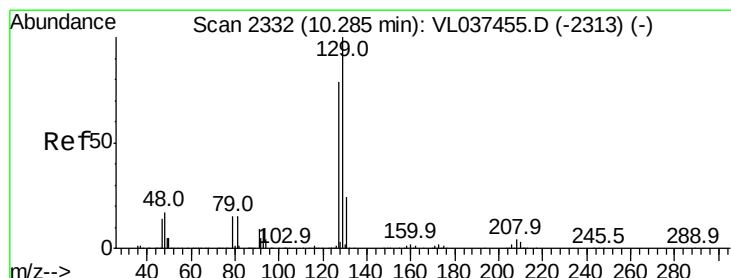
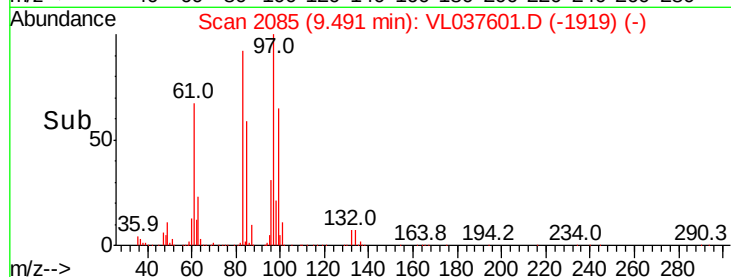
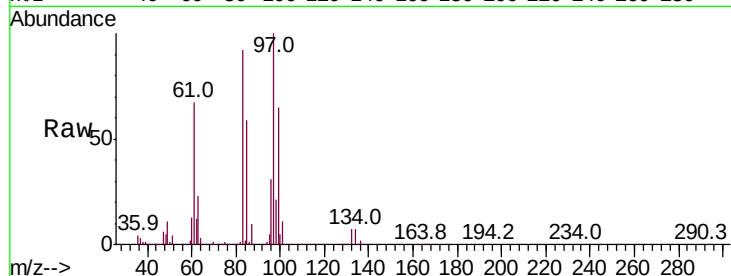
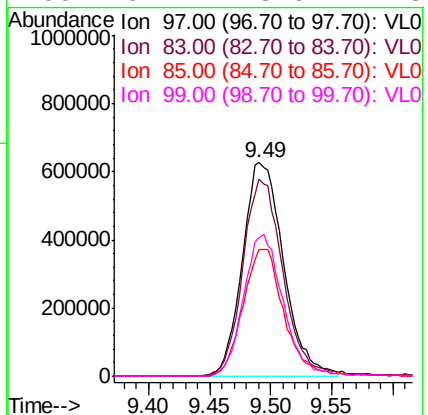
Ion	Ratio	Lower	Upper
97	100		
83	92.2	68.7	103.1
85	59.1	44.7	67.1
99	64.7	48.6	72.8

97 100

83 92.2 68.7 103.1

85 59.1 44.7 67.1

99 64.7 48.6 72.8



#48

Dibromochloromethane

Concen: 10.177 ppbv

RT: 10.32 min Scan# 2344

Delta R.T. 0.04 min

Lab File: VL037601.D

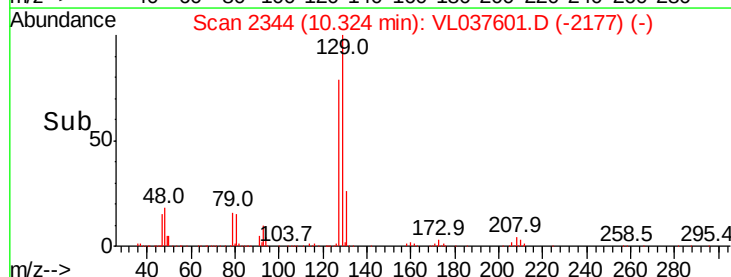
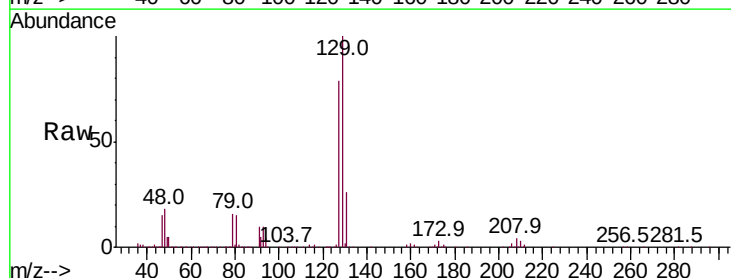
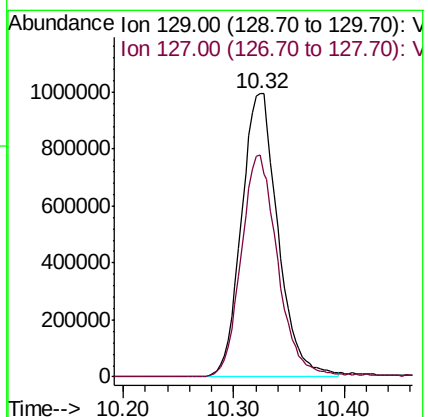
Acq: 9 Sep 2021 16:40

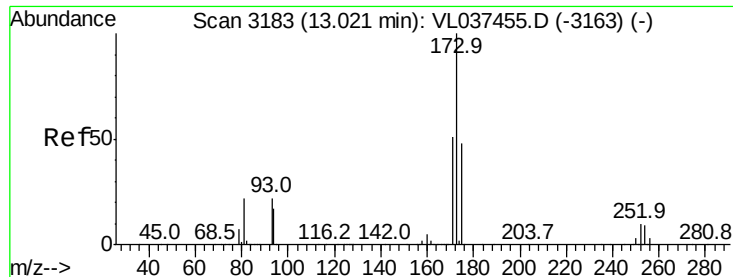
Tgt Ion: 129 Resp: 2285812

Ion	Ratio	Lower	Upper
129	100		
127	78.9	40.0	120.0

129 100

127 78.9 40.0 120.0





#49

Bromoform

Concen: 10.620 ppbv

RT: 13.06 min Scan# 3194

Delta R.T. 0.04 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

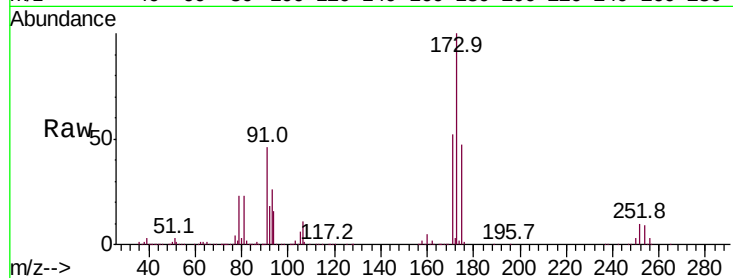
Tot Ion:173 Resp: 1880248

Ion Ratio Lower Upper

173 100

175 50.7 41.9 62.9

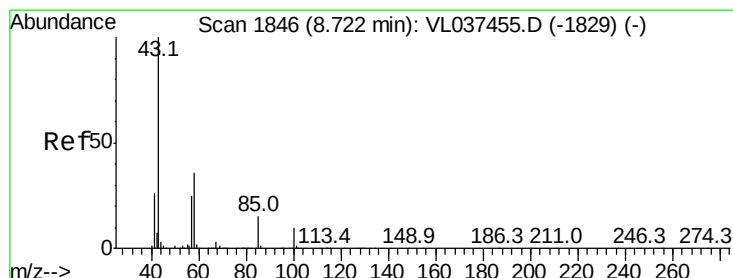
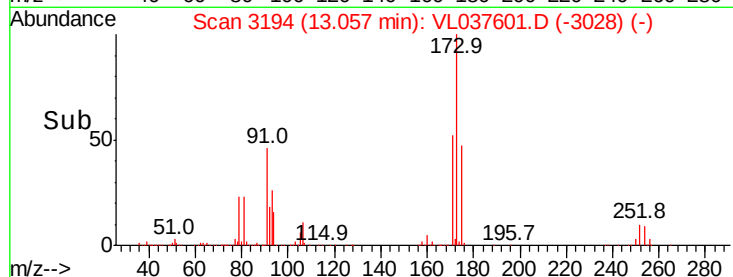
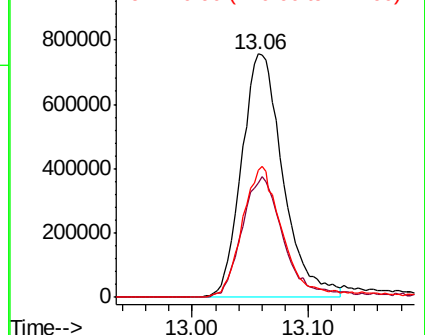
171 55.4 44.2 66.4



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: 10.017 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.04 min

Lab File: VL037601.D

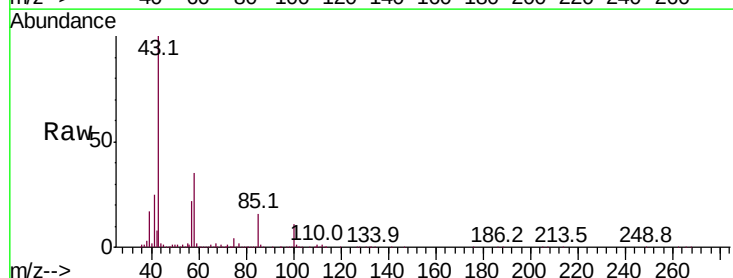
Acq: 9 Sep 2021 16:40

Tgt Ion: 43 Resp: 2386265

Ion Ratio Lower Upper

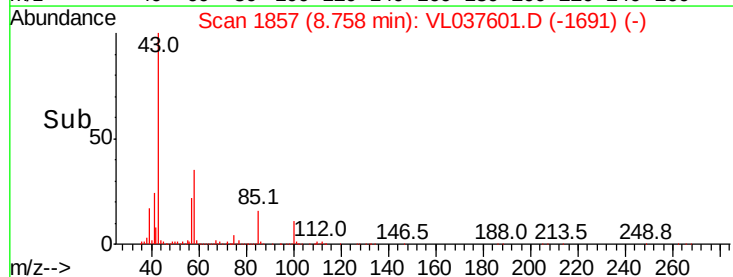
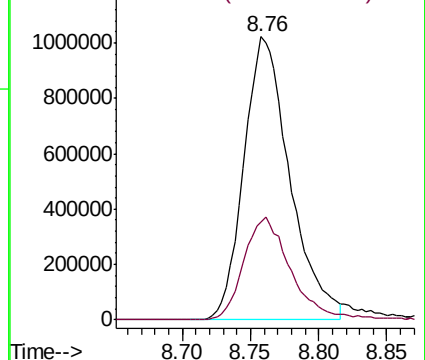
43 100

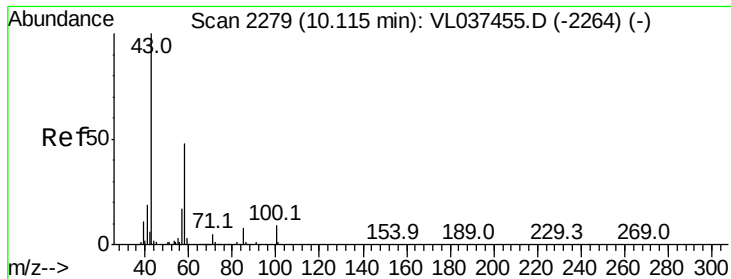
58 37.9 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

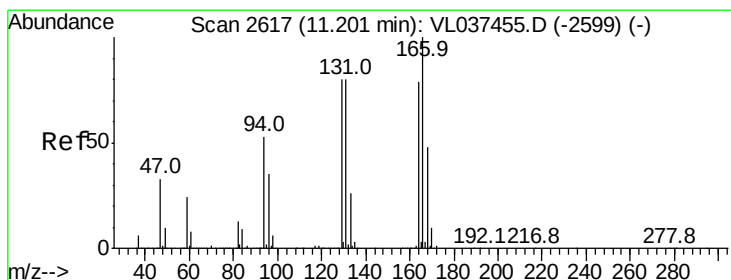
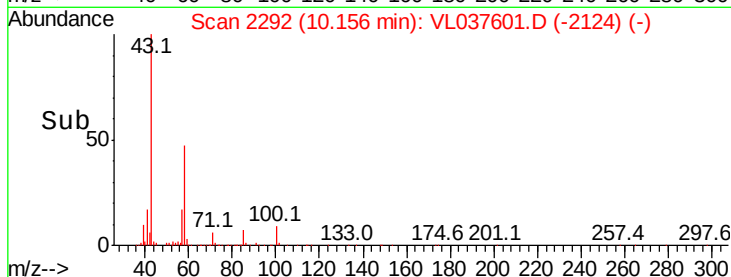
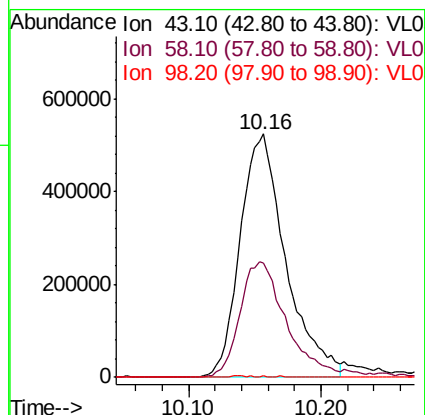
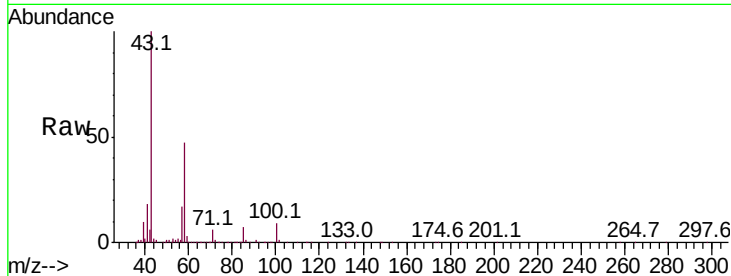




#51
2-Hexanone
Concen: 11.413 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.04 min
Lab File: VL037601.D
Acq: 9 Sep 2021 16:40

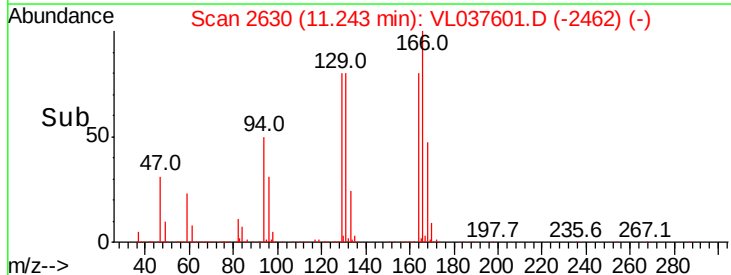
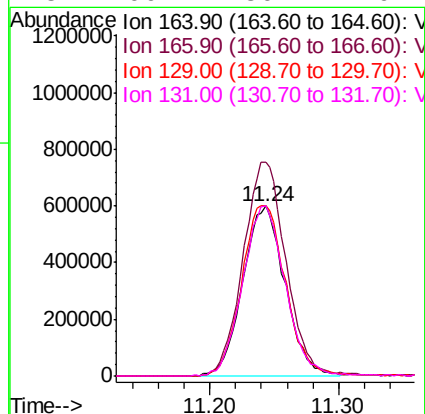
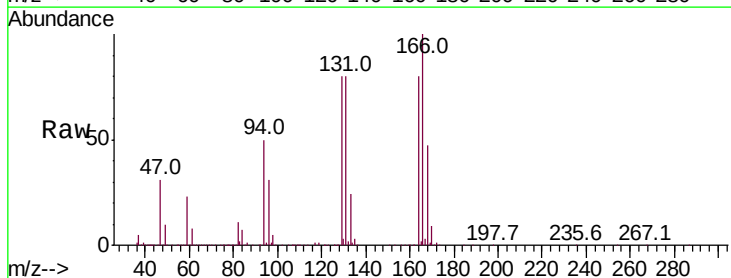
Instrument :
MSVOA_L
ClientSampleId :

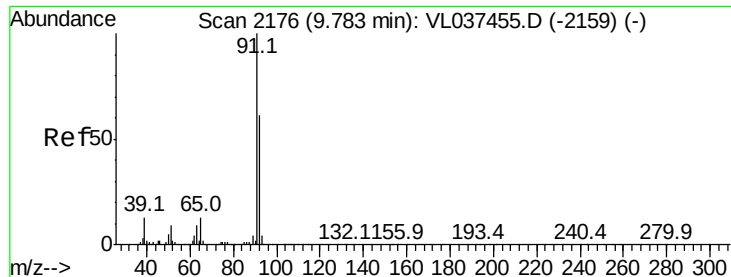
Tot Ion: 43 Resp: 1250556
Ion Ratio Lower Upper
43 100
58 50.6 41.0 61.6
98 0.2 0.3 0.5#



#52
Tetrachloroethene
Concen: 8.851 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.04 min
Lab File: VL037601.D
Acq: 9 Sep 2021 16:40

Tgt Ion: 164 Resp: 1363462
Ion Ratio Lower Upper
164 100
166 125.2 100.7 151.1
129 100.0 80.9 121.3
131 100.2 80.2 120.4





#53

Toluene

Concen: 9.837 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.04 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Instrument :

MSVOA_L

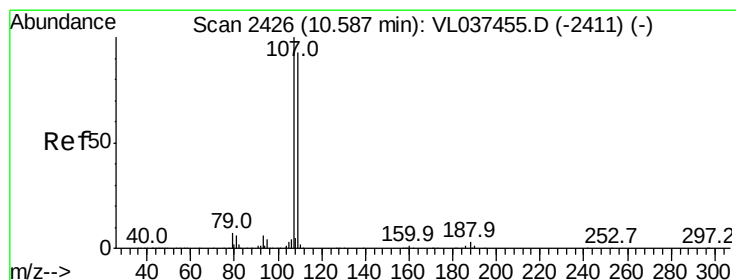
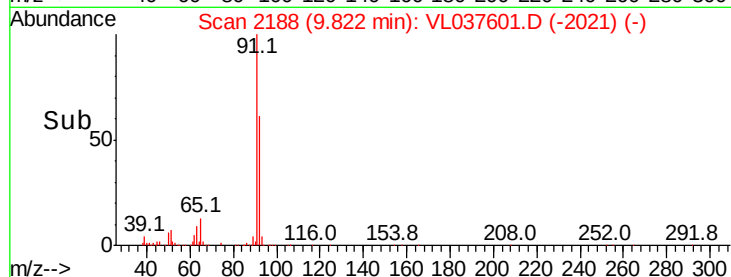
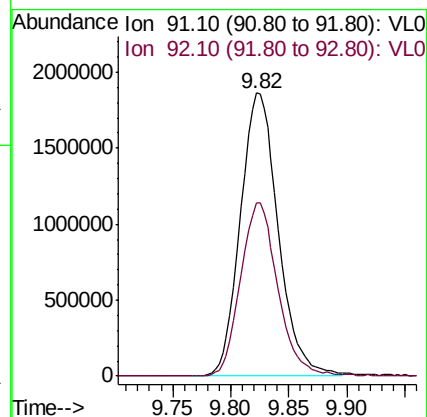
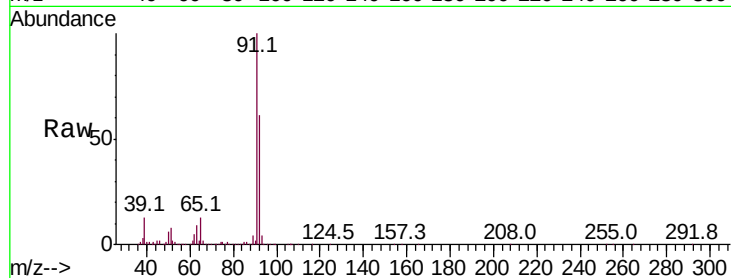
ClientSampleId :

Tot Ion: 91 Resp: 4222432

Ion Ratio Lower Upper

91 100

92 60.8 48.8 73.2



#54

1,2-Dibromoethane

Concen: 9.533 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.04 min

Lab File: VL037601.D

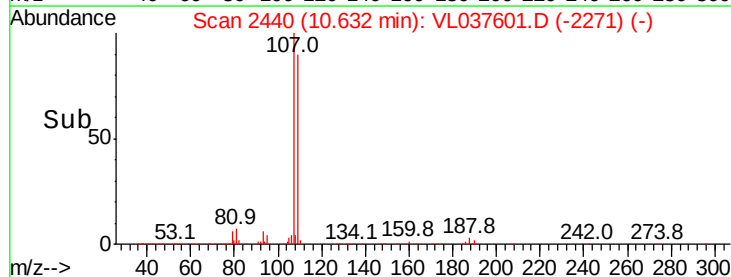
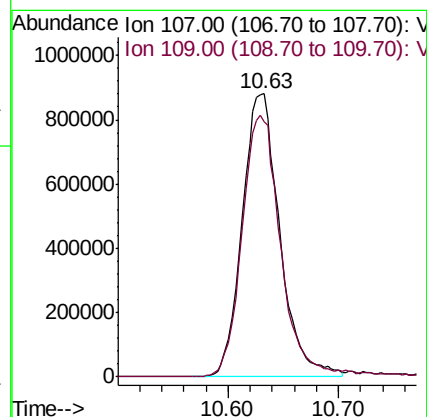
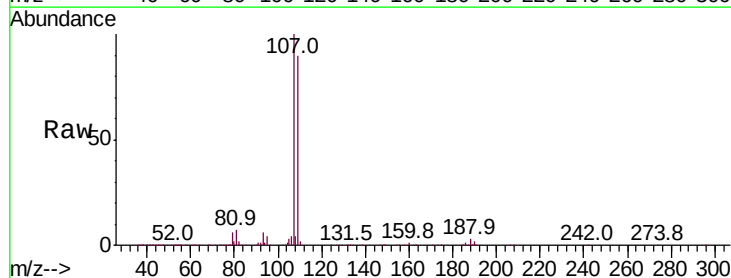
Acq: 9 Sep 2021 16:40

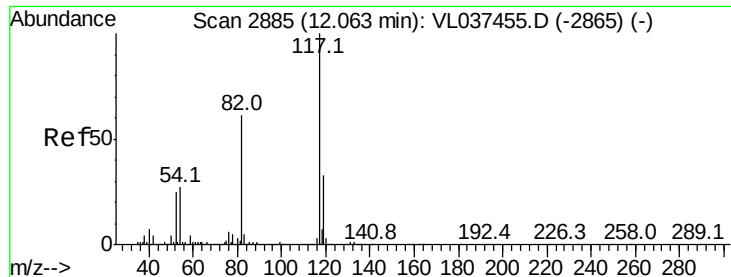
Tgt Ion: 107 Resp: 2077153

Ion Ratio Lower Upper

107 100

109 90.1 74.2 111.4

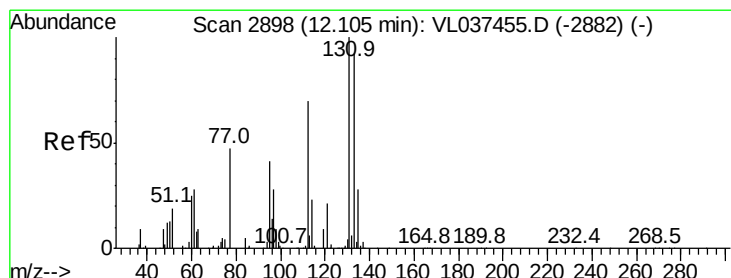
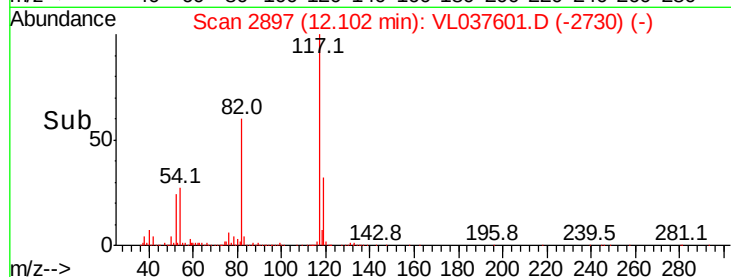
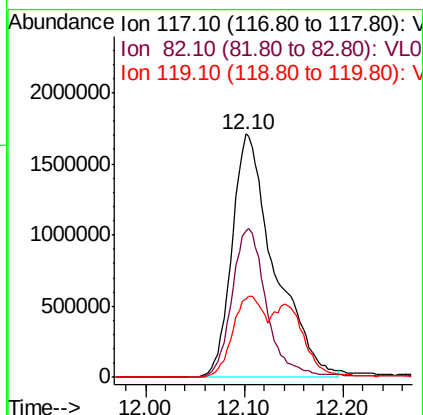
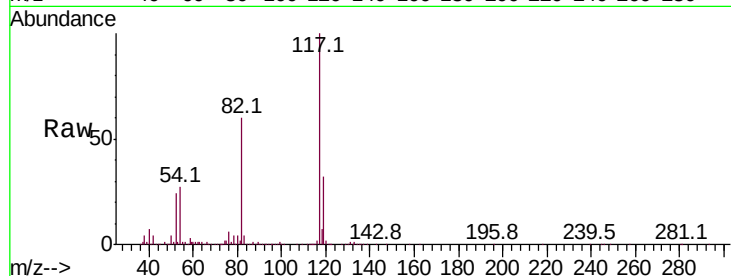




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.04 min
Lab File: VL037601.D
Acq: 9 Sep 2021 16:40

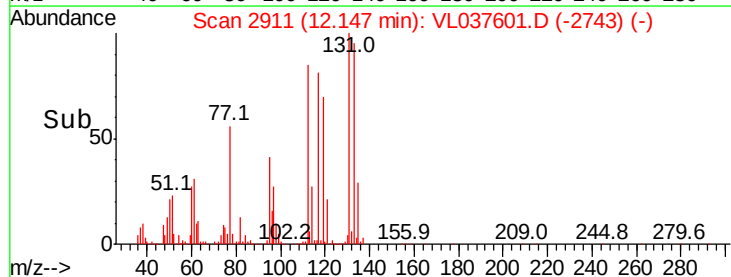
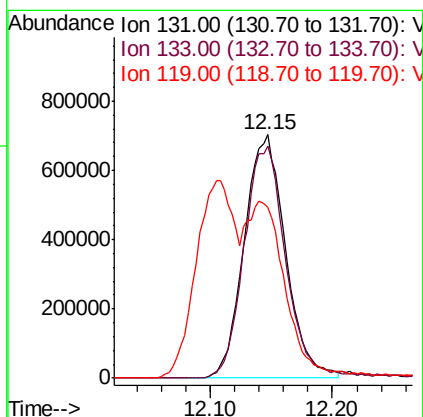
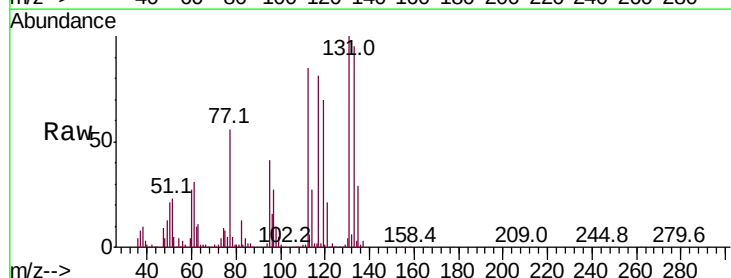
Instrument :
MSVOA_L
ClientSampled :

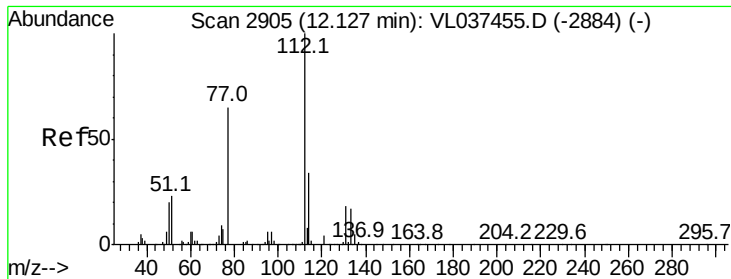
Tot Ion:117 Resp: 5119502
Ion Ratio Lower Upper
117 100
82 51.1 52.9 79.3#
119 48.4 24.8 37.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.689 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.04 min
Lab File: VL037601.D
Acq: 9 Sep 2021 16:40

Tgt Ion:131 Resp: 1640134
Ion Ratio Lower Upper
131 100
133 98.6 78.7 118.1
119 73.3 56.6 85.0





#57

Chlorobenzene

Concen: 7.348 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. 0.04 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

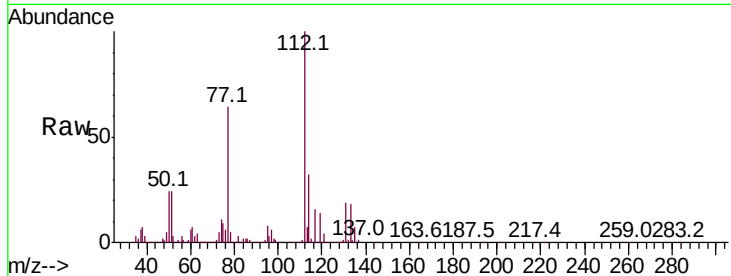
Tot Ion:112 Resp: 3122005

Ion Ratio Lower Upper

112 100

77 63.2 51.6 77.4

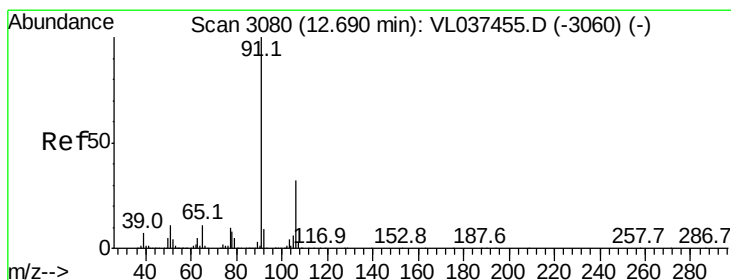
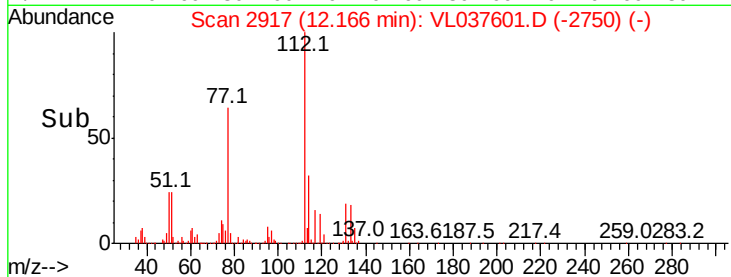
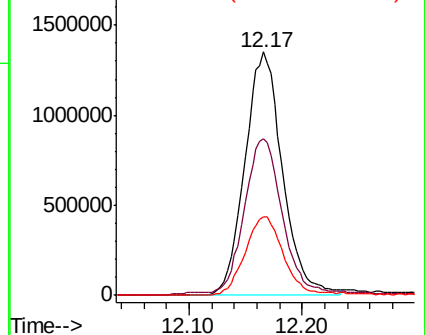
114 32.1 30.7 37.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.576 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. 0.04 min

Lab File: VL037601.D

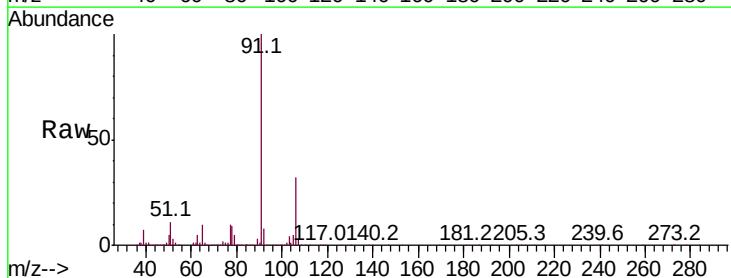
Acq: 9 Sep 2021 16:40

Tgt Ion: 91 Resp: 5382394

Ion Ratio Lower Upper

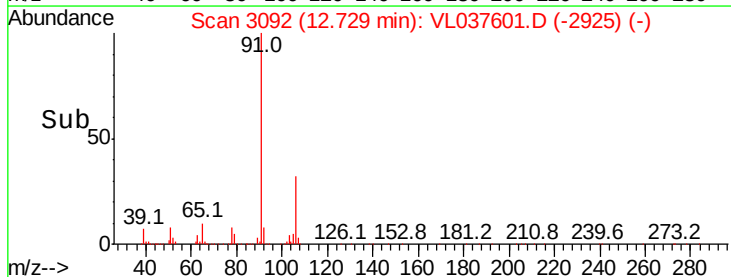
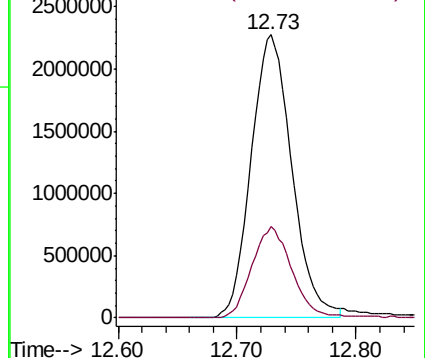
91 100

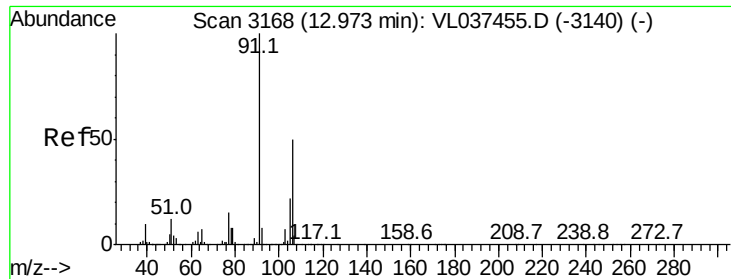
106 32.3 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

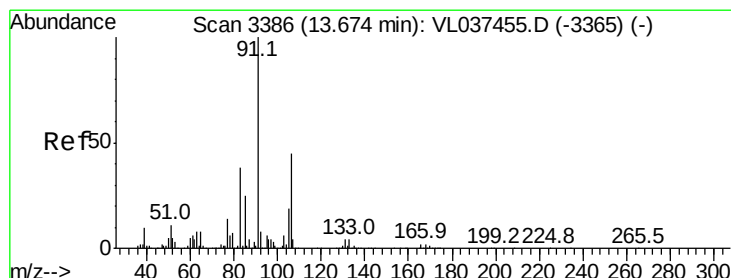
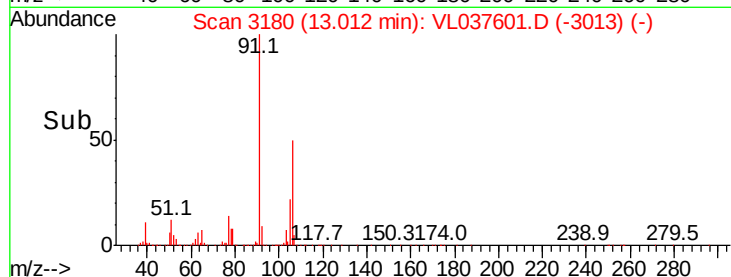
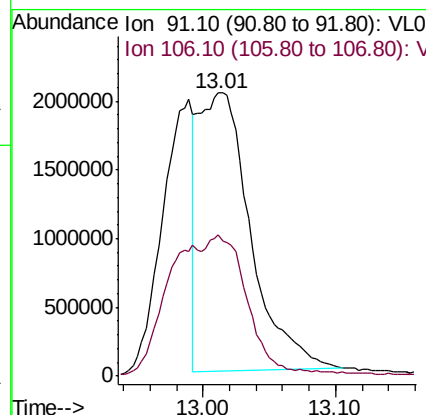
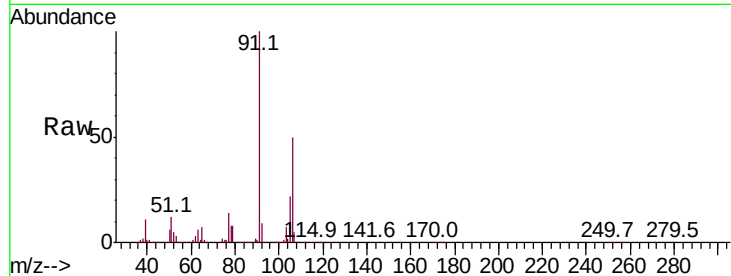




#59
m/p-Xylene
Concen: 8.914 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. 0.04 min
Lab File: VL037601.D
Acq: 9 Sep 2021 16:40

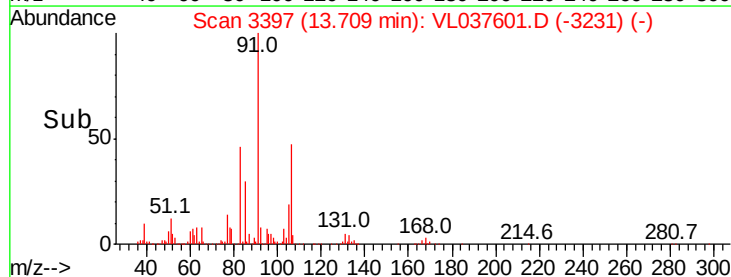
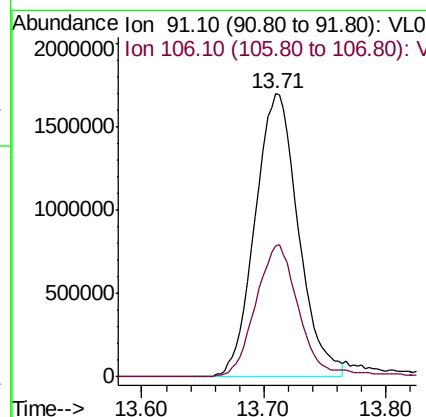
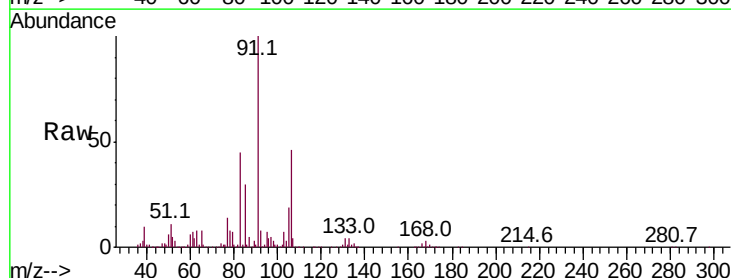
Instrument :
MSVOA_L
ClientSampleId :

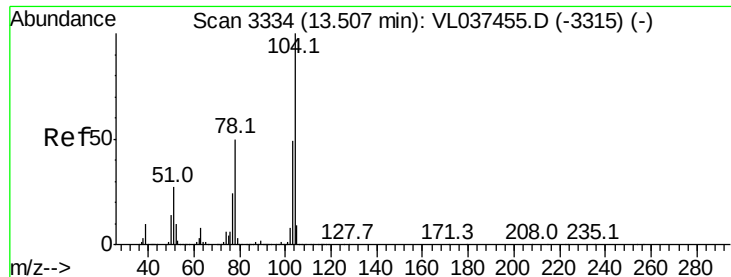
Tot Ion: 91 Resp: 5490102
Ion Ratio Lower Upper
91 100
106 77.4 36.9 55.3#



#60
o-Xylene
Concen: 7.275 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.04 min
Lab File: VL037601.D
Acq: 9 Sep 2021 16:40

Tgt Ion: 91 Resp: 4182261
Ion Ratio Lower Upper
91 100
106 48.0 23.7 71.1

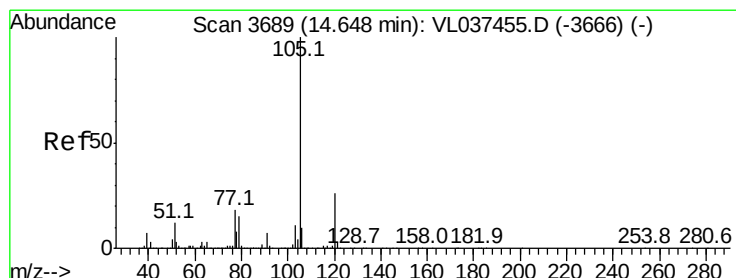
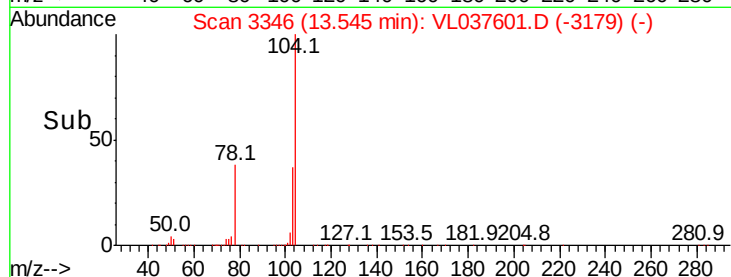
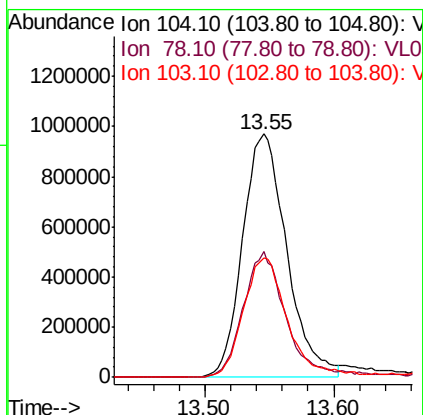
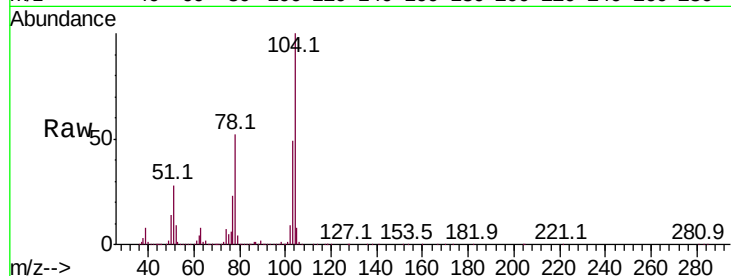




#61
Stvrene
Concen: 7.744 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. 0.04 min
Lab File: VL037601.D
Acq: 9 Sep 2021 16:40

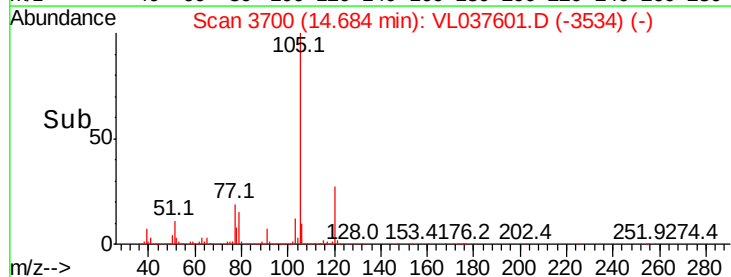
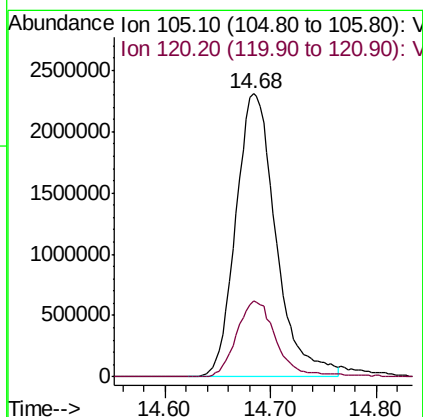
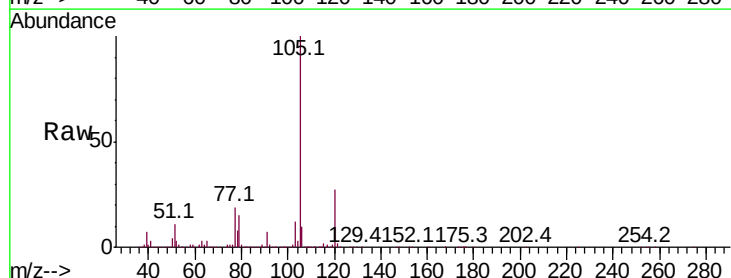
Instrument :
MSVOA_L
ClientSampleId :

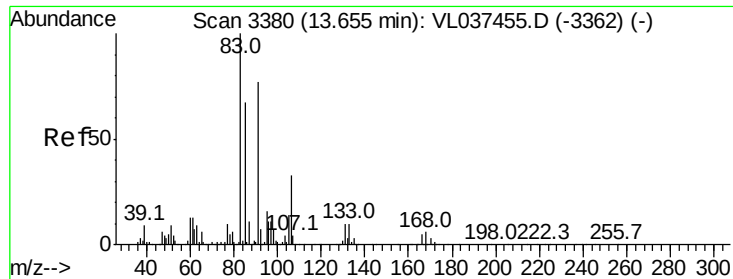
Tot Ion:104 Resp: 2312559
Ion Ratio Lower Upper
104 100
78 50.9 41.3 61.9
103 49.6 39.4 59.0



#62
Isopropylbenzene
Concen: 7.528 ppbv
RT: 14.68 min Scan# 3700
Delta R.T. 0.04 min
Lab File: VL037601.D
Acq: 9 Sep 2021 16:40

Tgt Ion:105 Resp: 6107516
Ion Ratio Lower Upper
105 100
120 27.1 21.5 32.3





#63

1,1,2,2-Tetrachloroethane

Concen: 7.318 ppbv

RT: 13.69 min Scan# 3392

Delta R.T. 0.04 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

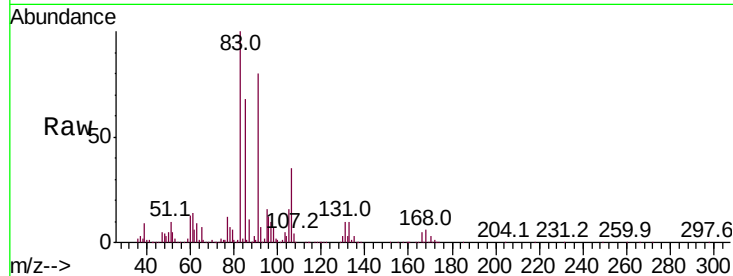
Tot Ion: 83 Resp: 3126675

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	15.0
85	67.7	33.8	101.3

83 100

131 10.2 5.0 15.0

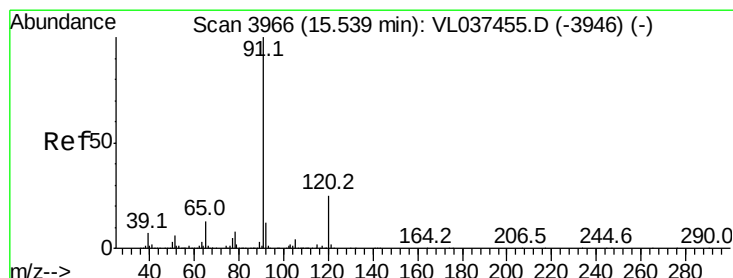
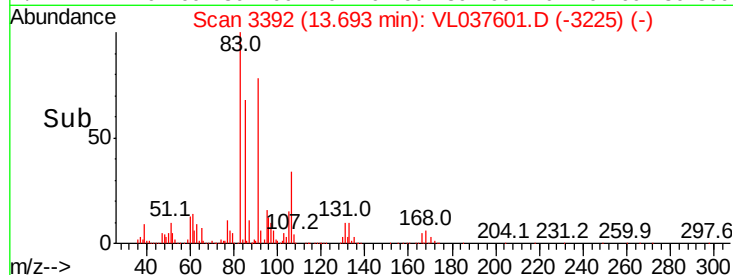
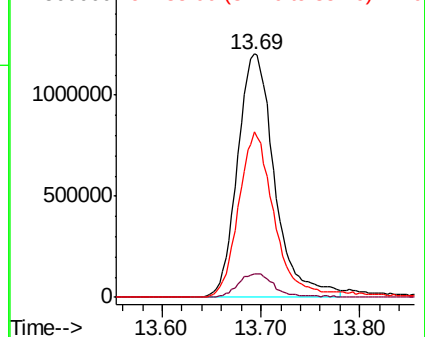
85 67.7 33.8 101.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.795 ppbv

RT: 15.58 min Scan# 3979

Delta R.T. 0.04 min

Lab File: VL037601.D

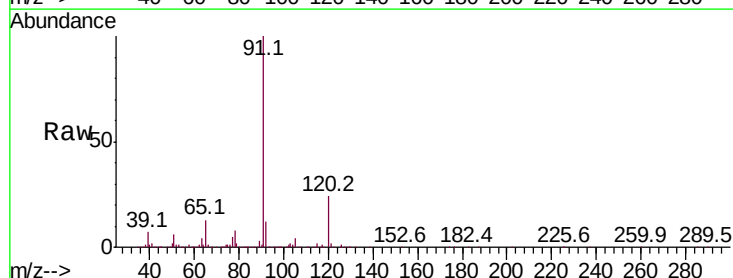
Acq: 9 Sep 2021 16:40

Tgt Ion:120 Resp: 1609366

Ion	Ratio	Lower	Upper
120	100		
91	471.4	373.8	560.6

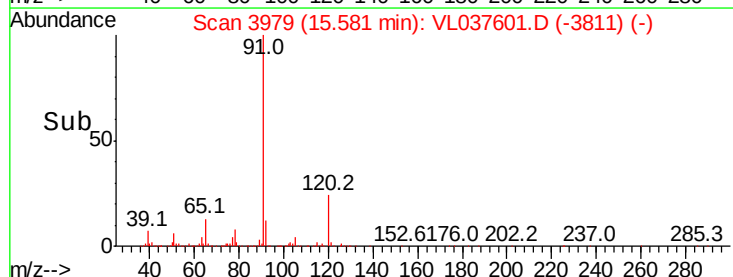
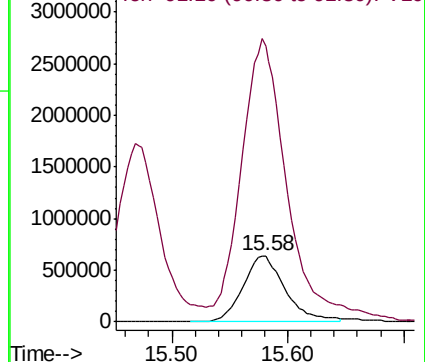
120 100

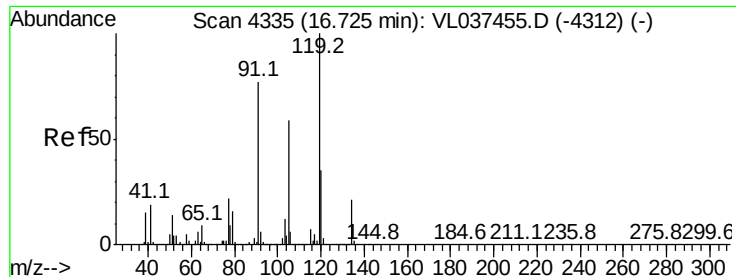
91 471.4 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

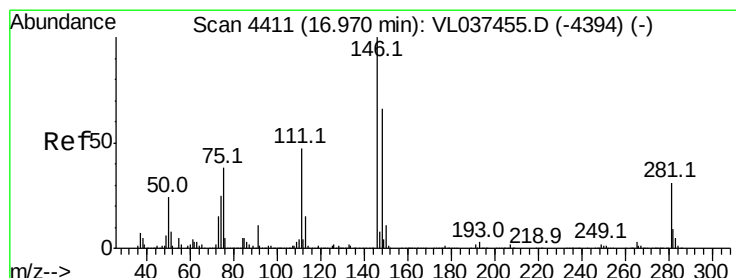
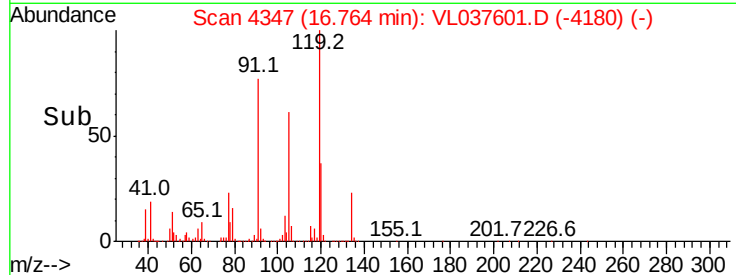
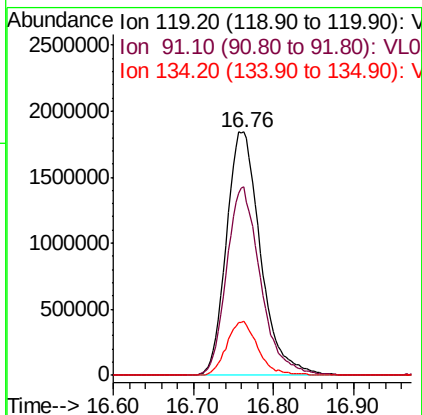
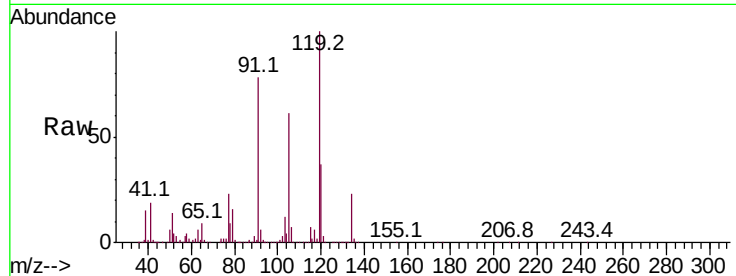




#65
tert-Butylbenzene
Concen: 7.238 ppbv
RT: 16.76 min Scan# 4347
Delta R.T. 0.04 min
Lab File: VL037601.D
Acq: 9 Sep 2021 16:40

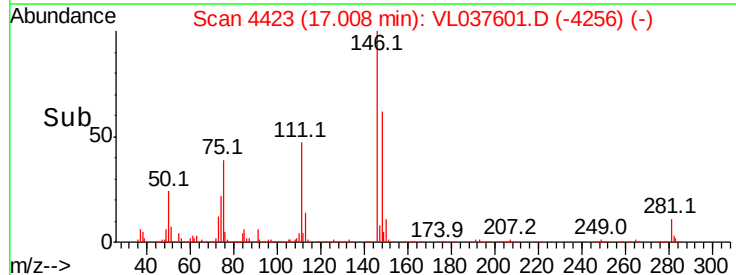
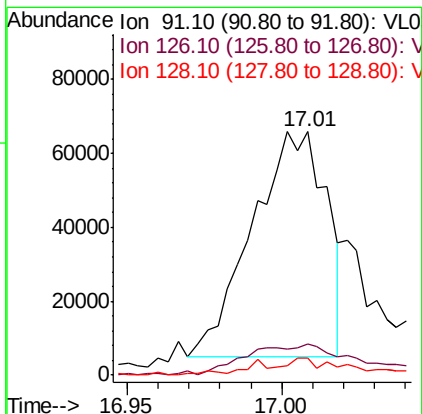
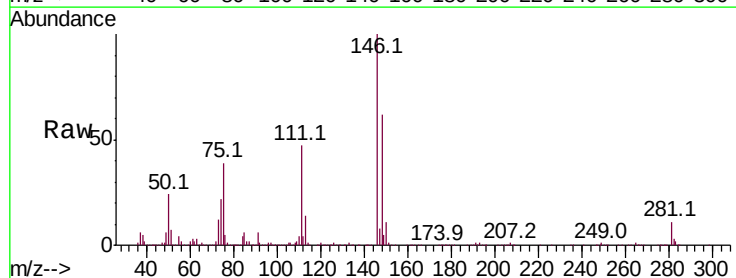
Instrument :
MSVOA_L
ClientSampled :

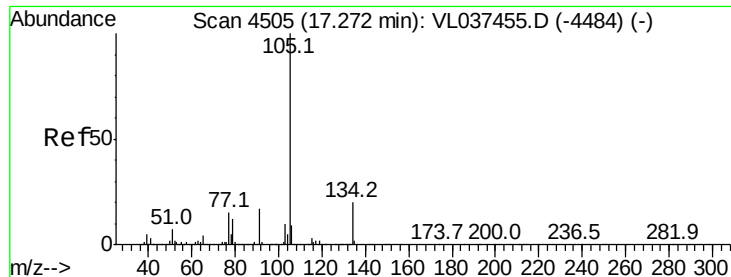
Tot Ion:119 Resp: 5347819
Ion Ratio Lower Upper
119 100
91 76.5 62.9 94.3
134 20.4 16.4 24.6



#66
Benzyl Chloride
Concen: 3.048 ppbv
RT: 17.01 min Scan# 4423
Delta R.T. 0.04 min
Lab File: VL037601.D
Acq: 9 Sep 2021 16:40

Tgt Ion: 91 Resp: 101866
Ion Ratio Lower Upper
91 100
126 23.6 15.9 23.9
128 10.2 5.4 8.0#

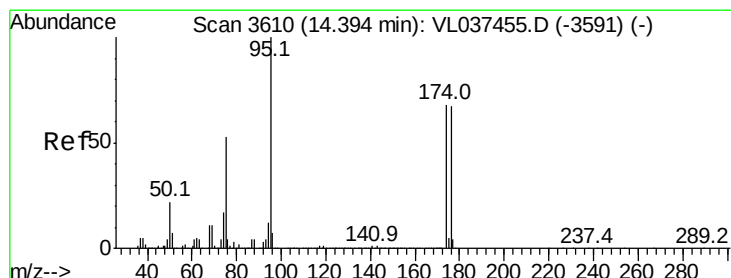
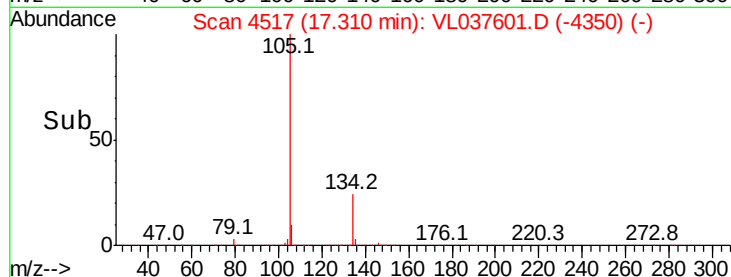
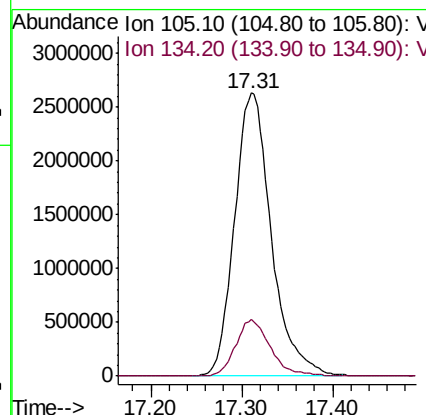
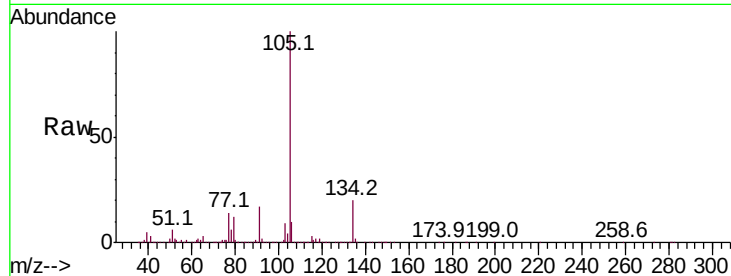




#67
 sec-Butylbenzene
 Concen: 7.135 ppbv
 RT: 17.31 min Scan# 4517
 Delta R.T. 0.04 min
 Lab File: VL037601.D
 Acq: 9 Sep 2021 16:40

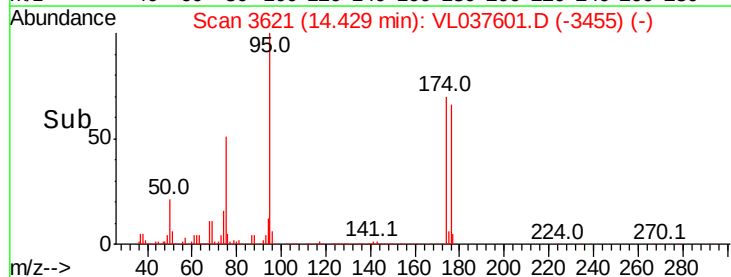
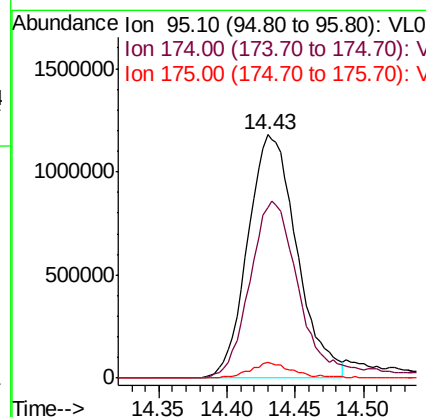
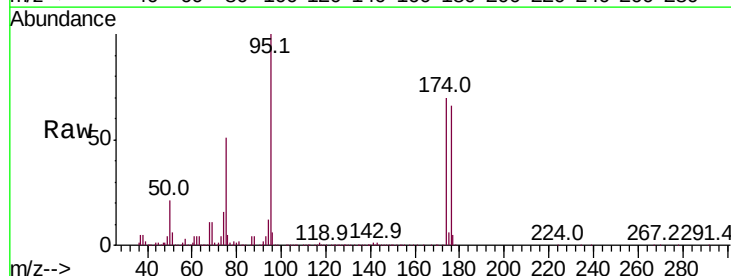
Instrument :
 MSVOA_L
 ClientSampleId :

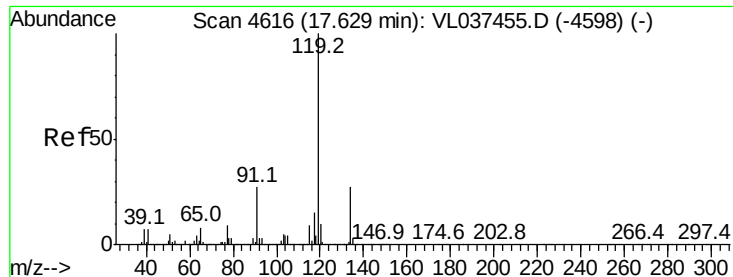
Tot Ion:105 Resp: 7366634
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.2 22.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.082 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. 0.04 min
 Lab File: VL037601.D
 Acq: 9 Sep 2021 16:40

Tgt Ion: 95 Resp: 2939548
 Ion Ratio Lower Upper
 95 100
 174 77.2 59.6 89.4
 175 6.0 4.6 7.0

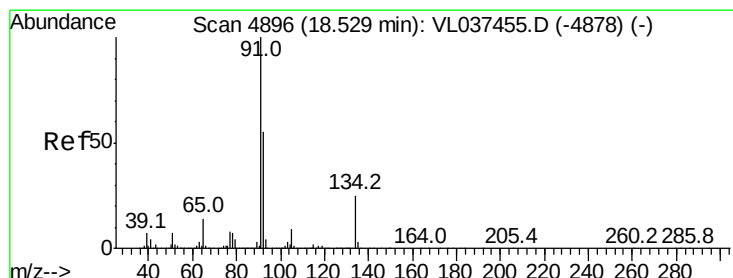
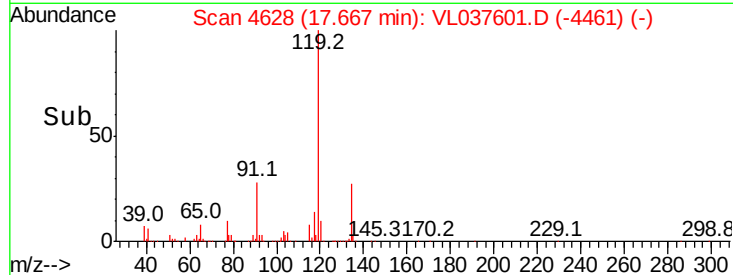
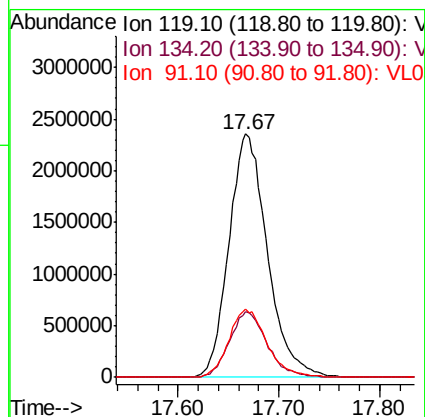
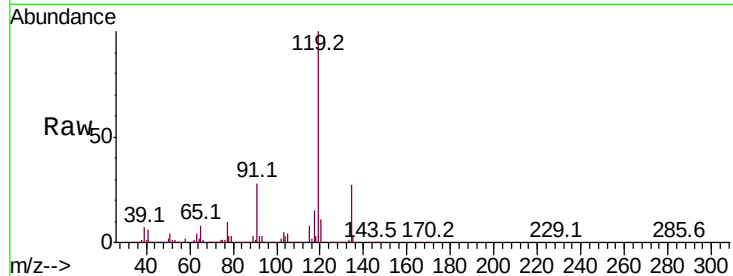




#69
 p-Isopropyltoluene
 Concen: 7.387 ppbv
 RT: 17.67 min Scan# 4628
 Delta R.T. 0.04 min
 Lab File: VL037601.D
 Acq: 9 Sep 2021 16:40

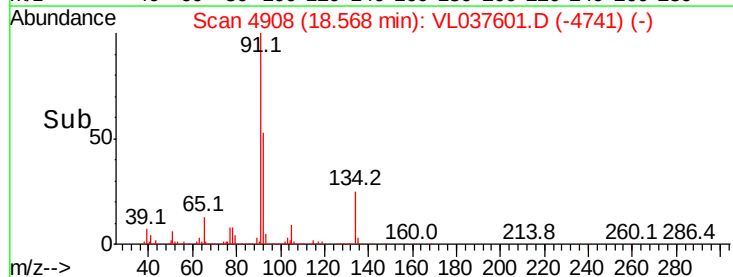
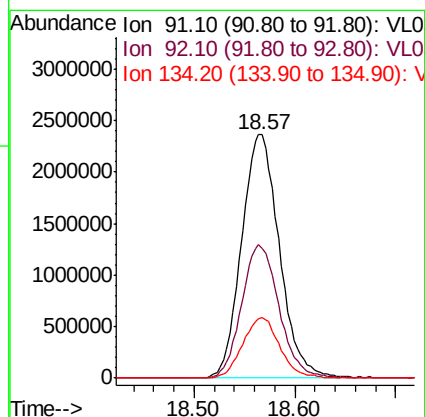
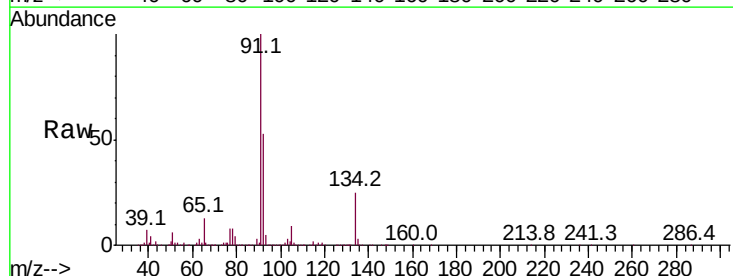
Instrument :
 MSVOA_L
 ClientSampleId :

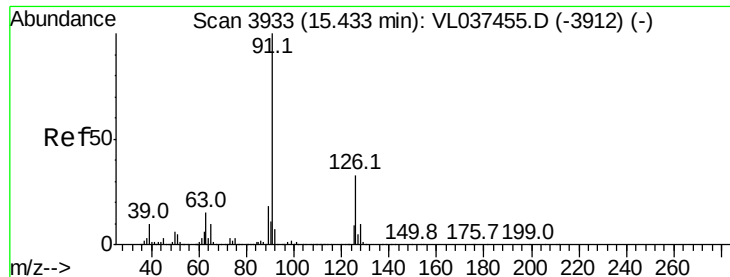
Tot Ion:119 Resp: 6214403
 Ion Ratio Lower Upper
 119 100
 134 26.5 21.1 31.7
 91 27.9 22.4 33.6



#70
 n-Butylbenzene
 Concen: 7.629 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T. 0.04 min
 Lab File: VL037601.D
 Acq: 9 Sep 2021 16:40

Tgt Ion: 91 Resp: 6133492
 Ion Ratio Lower Upper
 91 100
 92 54.5 44.0 66.0
 134 24.3 19.5 29.3





#71

2-Chlorotoluene

Concen: 7.436 ppbv

RT: 15.47 min Scan# 3944

Delta R.T. 0.04 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Instrument :

MSVOA_L

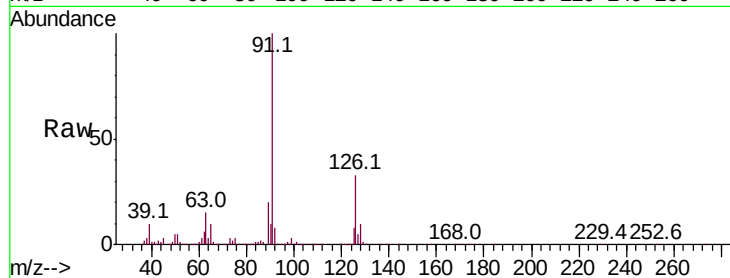
ClientSampleId :

Tot Ion: 91 Resp: 4424235

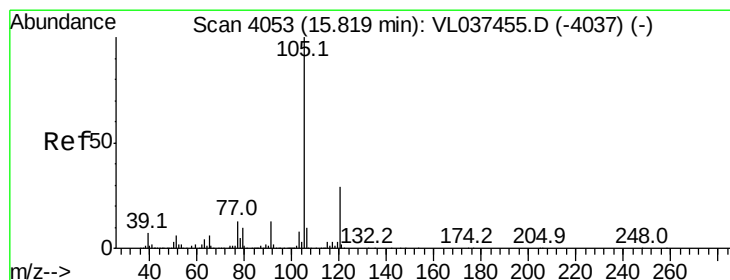
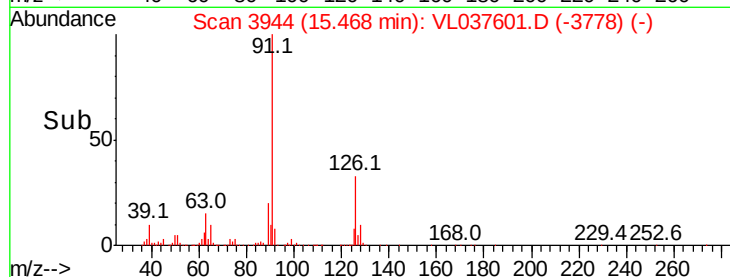
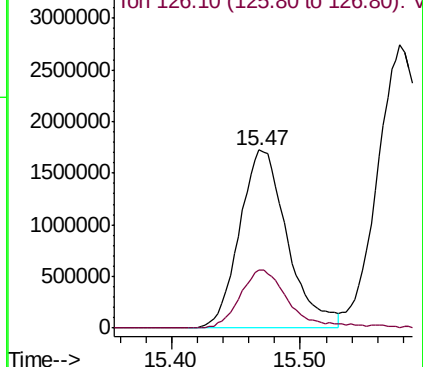
Ion Ratio Lower Upper

91 100

126 34.4 13.6 54.4



Abundance Ion 91.10 (90.80 to 91.80): VL037455.D (-3912) (-)



#72

4-Ethyltoluene

Concen: 7.699 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. 0.04 min

Lab File: VL037601.D

Acq: 9 Sep 2021 16:40

Tgt Ion: 105 Resp: 5264137

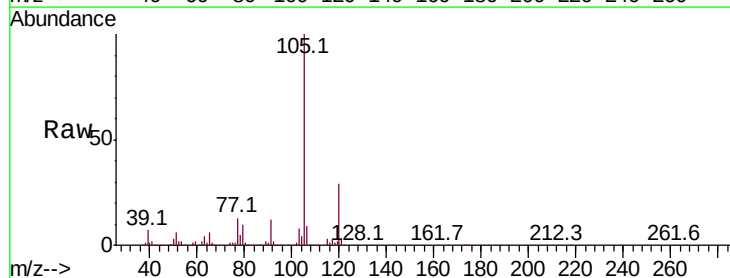
Ion Ratio Lower Upper

105 100

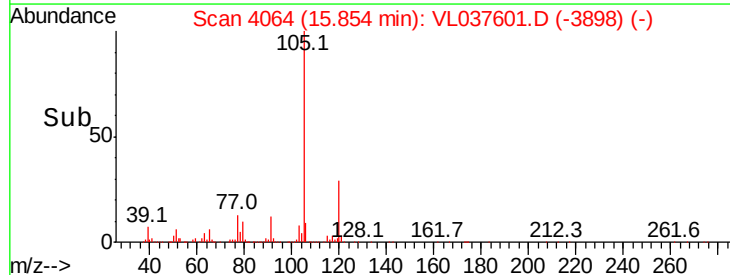
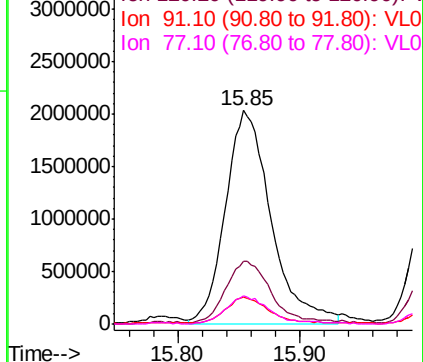
120 30.4 24.7 37.1

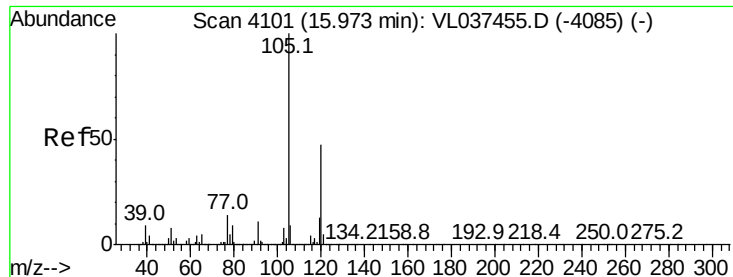
91 11.9 9.8 14.8

77 12.9 10.6 15.8



Abundance Ion 105.10 (104.80 to 105.80): VL037455.D (-4037) (-)

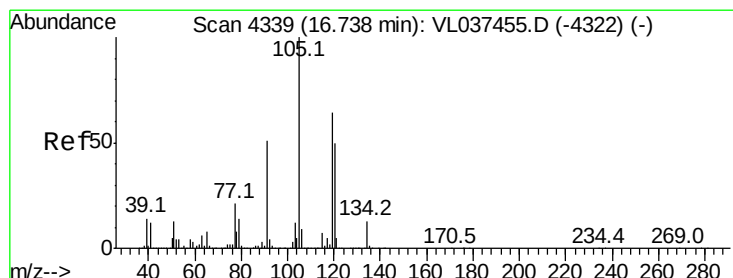
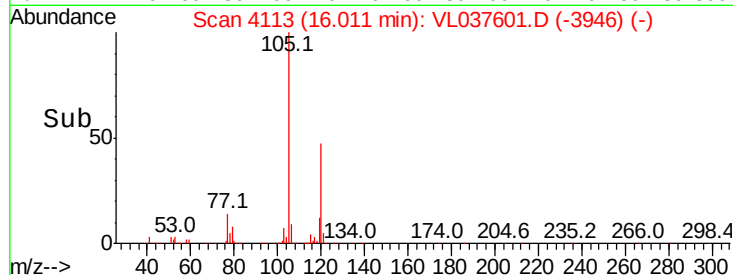
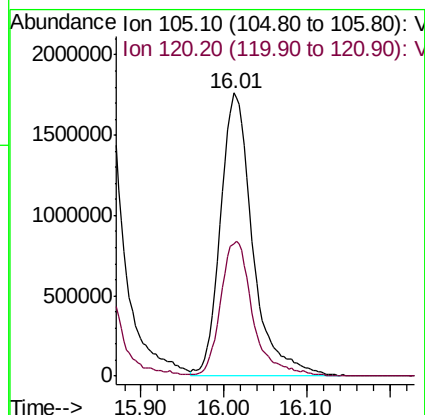
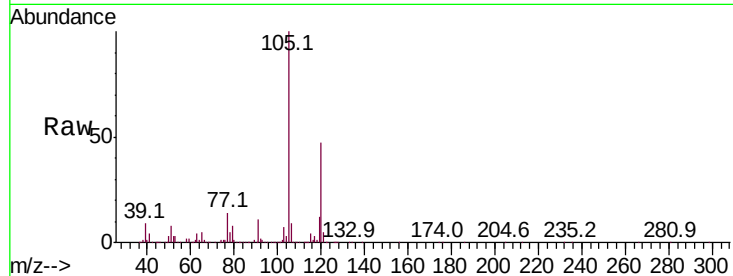




#73
 1,3,5-Trimethylbenzene
 Concen: 7.418 ppbv
 RT: 16.01 min Scan# 4113
 Delta R.T. 0.04 min
 Lab File: VL037601.D
 Acq: 9 Sep 2021 16:40

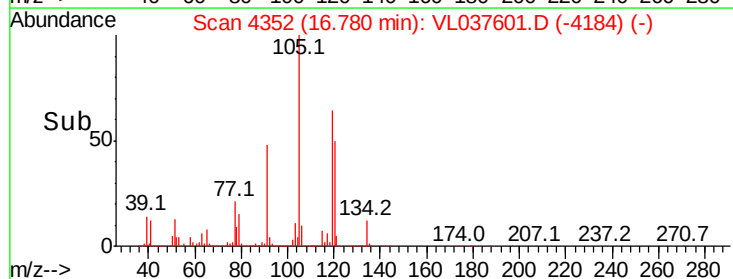
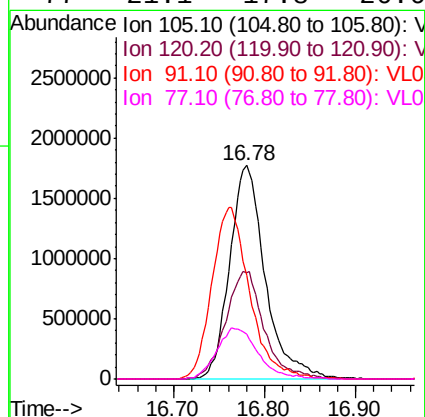
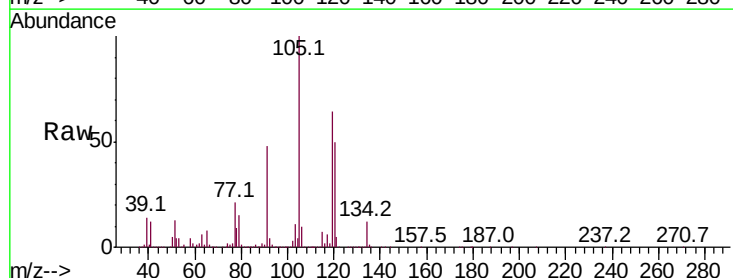
Instrument :
 MSVOA_L
 ClientSampleId :

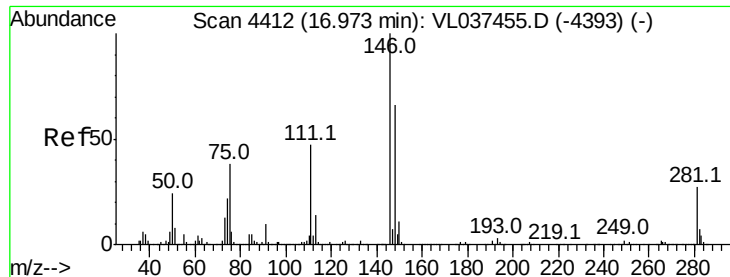
Tot Ion:105 Resp: 4721065
 Ion Ratio Lower Upper
 105 100
 120 46.8 37.6 56.4



#74
 1,2,4-Trimethylbenzene
 Concen: 7.085 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. 0.04 min
 Lab File: VL037601.D
 Acq: 9 Sep 2021 16:40

Tgt Ion:105 Resp: 4791750
 Ion Ratio Lower Upper
 105 100
 120 49.3 40.4 60.6
 91 48.2 44.6 67.0
 77 21.1 17.8 26.6

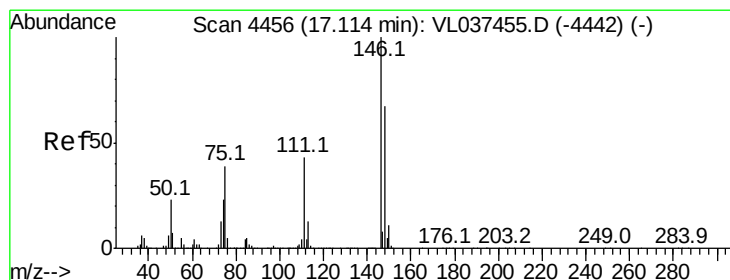
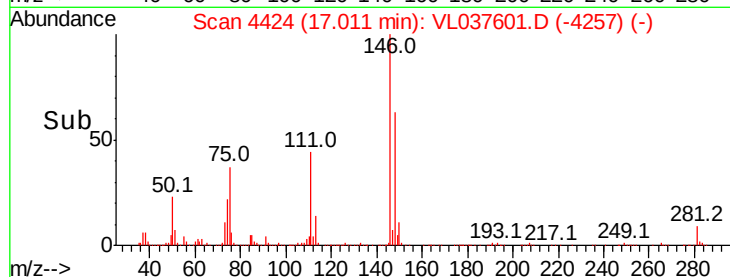
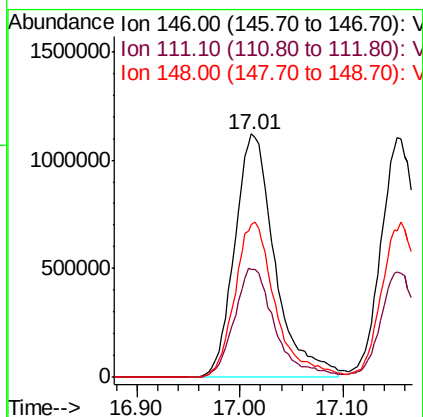
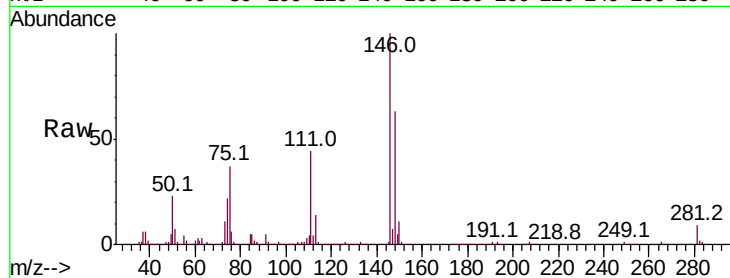




#75
 1,3-Dichlorobenzene
 Concen: 7.462 ppbv
 RT: 17.01 min Scan# 4424
 Delta R.T. 0.04 min
 Lab File: VL037601.D
 Acq: 9 Sep 2021 16:40

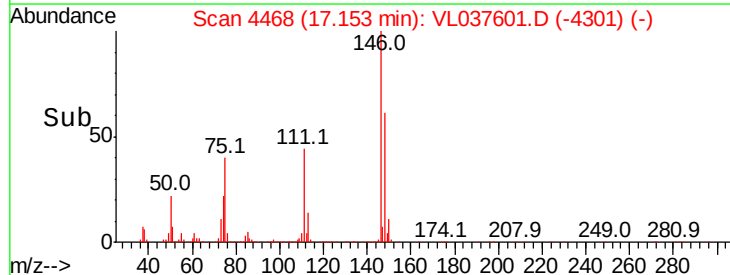
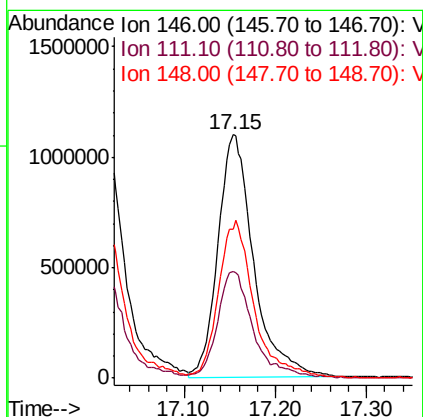
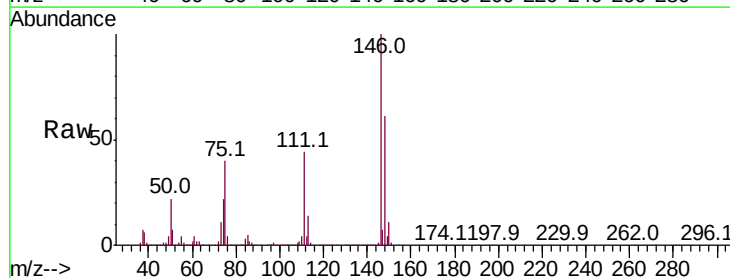
Instrument :
 MSVOA_L
 ClientSampleID :

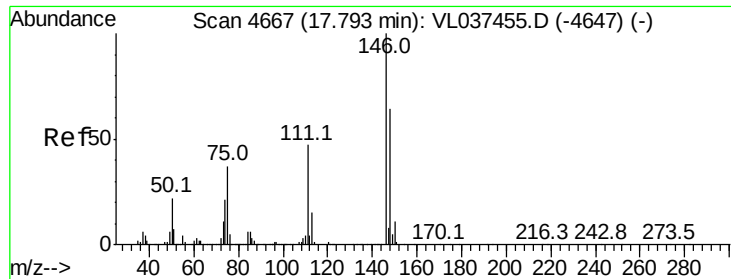
Tot Ion:146 Resp: 3037658
 Ion Ratio Lower Upper
 146 100
 111 45.2 23.4 70.0
 148 64.3 33.1 99.5



#76
 1,4-Dichlorobenzene
 Concen: 7.270 ppbv
 RT: 17.15 min Scan# 4468
 Delta R.T. 0.04 min
 Lab File: VL037601.D
 Acq: 9 Sep 2021 16:40

Tgt Ion:146 Resp: 2981488
 Ion Ratio Lower Upper
 146 100
 111 44.0 22.1 66.5
 148 64.8 32.4 97.0

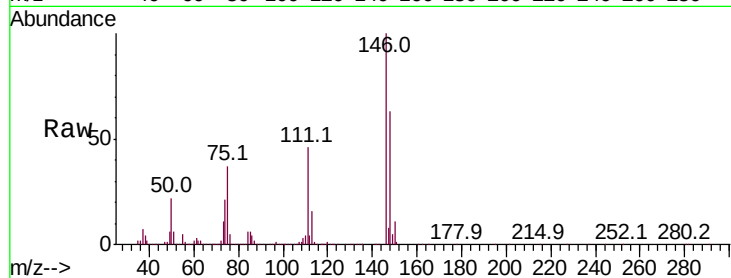




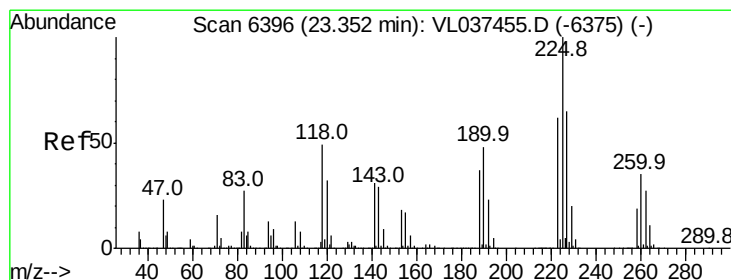
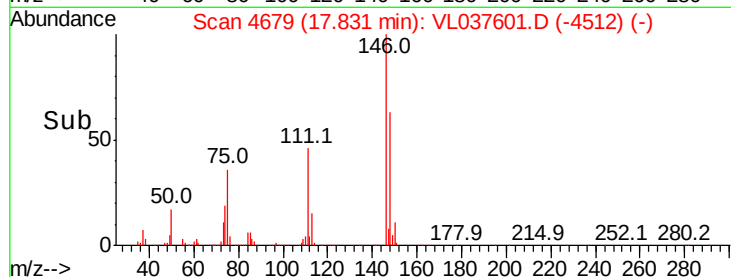
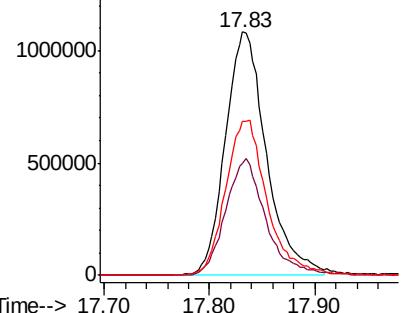
#77
 1,2-Dichlorobenzene
 Concen: 7.299 ppbv
 RT: 17.83 min Scan# 4679
 Delta R.T. 0.04 min
 Lab File: VL037601.D
 Acq: 9 Sep 2021 16:40

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:146 Resp: 2926093
 Ion Ratio Lower Upper
 146 100
 111 46.9 23.4 70.3
 148 64.2 32.5 97.5

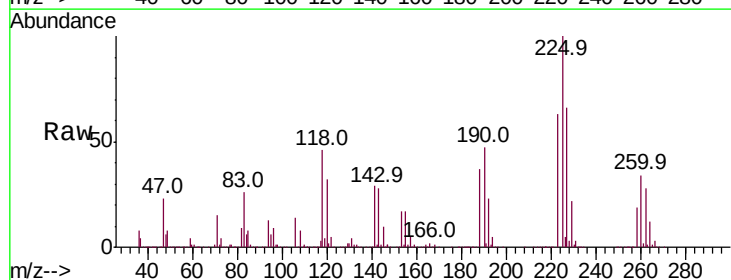


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

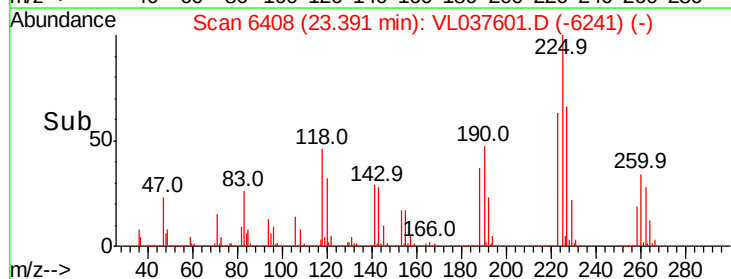
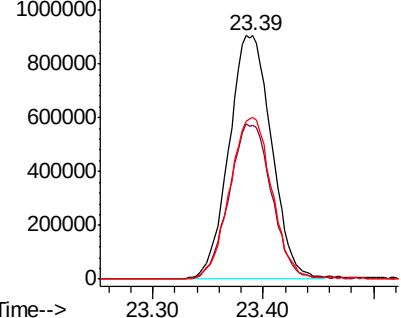


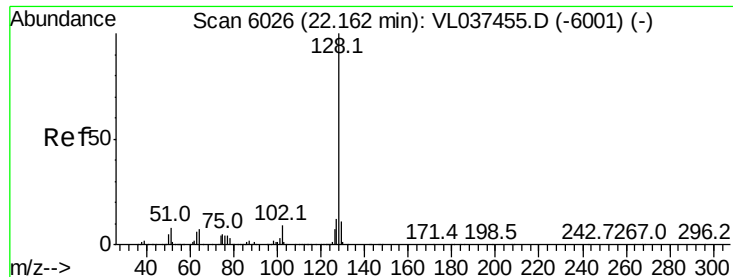
#78
 Hexachloro-1,3-Butadiene
 Concen: 7.264 ppbv
 RT: 23.39 min Scan# 6408
 Delta R.T. 0.04 min
 Lab File: VL037601.D
 Acq: 9 Sep 2021 16:40

Tgt Ion:225 Resp: 2421196
 Ion Ratio Lower Upper
 225 100
 223 63.9 51.4 77.0
 227 66.1 52.9 79.3



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V

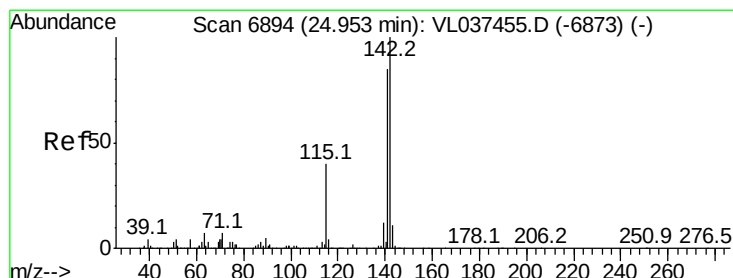
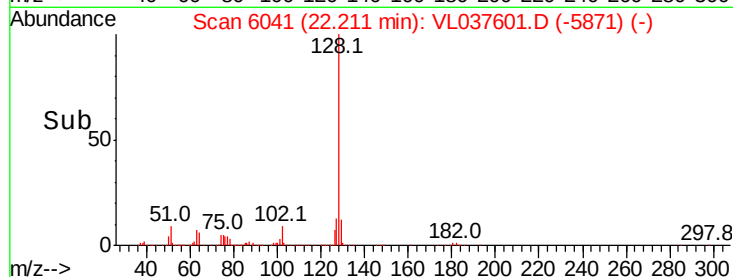
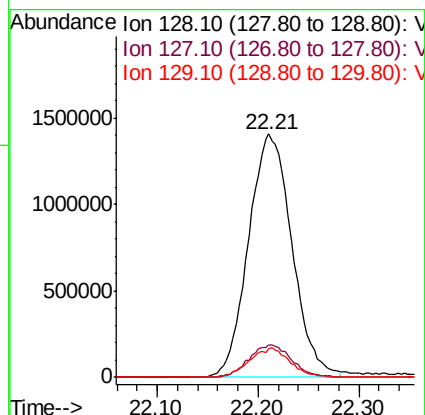
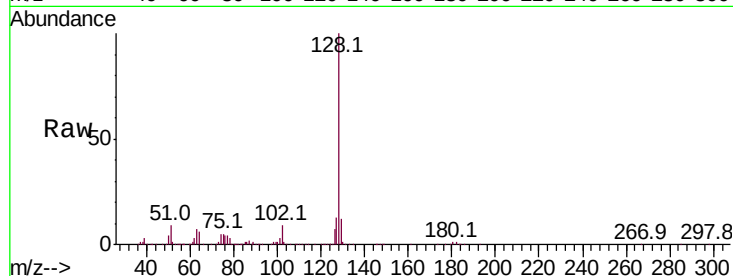




#79
Naphthalene
Concen: 9.307 ppbv
RT: 22.21 min Scan# 6041
Delta R.T. 0.05 min
Lab File: VL037601.D
Acq: 9 Sep 2021 16:40

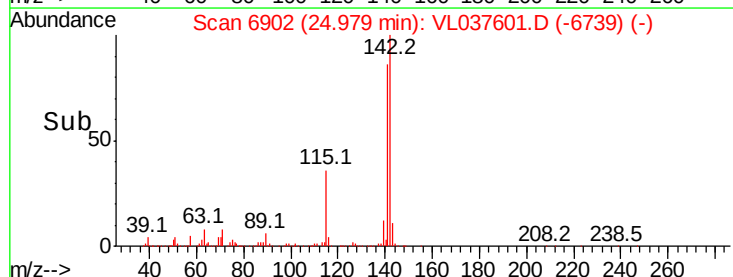
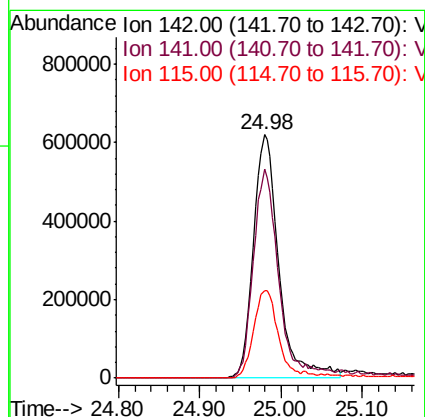
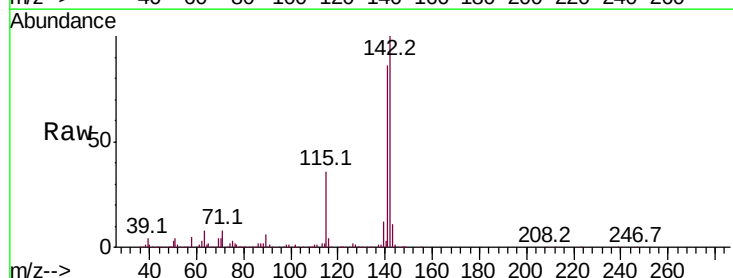
Instrument :
MSVOA_L
ClientSampleId :

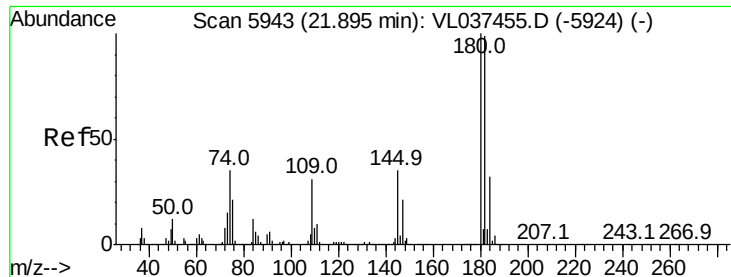
Tot Ion:128 Resp: 4212298
Ion Ratio Lower Upper
128 100
127 13.1 9.4 14.2
129 11.8 8.8 13.2



#80
Naphthalene, 2-methyl-
Concen: 10.439 ppbv
RT: 24.98 min Scan# 6902
Delta R.T. 0.03 min
Lab File: VL037601.D
Acq: 9 Sep 2021 16:40

Tgt Ion:142 Resp: 1316282
Ion Ratio Lower Upper
142 100
141 90.7 64.7 97.1
115 36.7 28.4 42.6

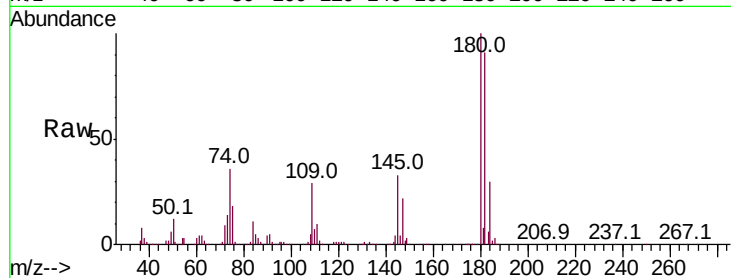




#81
 1,2,4-Trichlorobenzene
 Concen: 8.786 ppbv
 RT: 21.94 min Scan# 5957
 Delta R.T. 0.04 min
 Lab File: VL037601.D
 Acq: 9 Sep 2021 16:40

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2495310
 Ion Ratio Lower Upper
 180 100
 182 96.6 79.6 119.4
 184 31.2 25.4 38.2



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

