

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090821\
 Data File : VL037565.D
 Acq On : 8 Sep 2021 10:19
 Operator : SY/AP
 Sample : VL0908ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABS01

Quant Time: Sep 09 09:10:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue 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	5.67	49	1813846	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	5235204	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	5940984	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3608195	8.55	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2244350	7.712 ppbv	95
3) Chlorodifluoromethane	2.99	51	3142729	9.048 ppbv	100
4) Chloromethane	3.14	50	1185119	9.548 ppbv	93
5) Vinyl Chloride	3.26	62	1166739	9.175 ppbv	96
6) Bromomethane	3.48	94	672917	9.661 ppbv	98
7) Chloroethane	3.56	64	396583	9.138 ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	2683645	8.932 ppbv	99
9) Propene	3.01	41	1143151	9.199 ppbv	100
10) Heptane	8.13	43	2901822	10.144 ppbv	99
11) Trichlorofluoromethane	3.95	101	2496496	9.138 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1805653	9.007 ppbv	99
13) Ethanol	3.61	45	120996	10.006 ppbv	82
14) Bromoethene	3.74	108	806366	8.860 ppbv	94
15) Acetone	3.85	43	1453491	7.874 ppbv	99
16) 1,3-Butadiene	3.33	39	1158233	9.781 ppbv	96
17) tert-Butyl alcohol	4.29	59	1619801	9.606 ppbv	100
18) 1,1-Dichloroethene	4.29	96	836727	9.189 ppbv	96
19) Isopropyl Alcohol	3.97	45	1012305	9.572 ppbv	# 96
20) Methylene Chloride	4.35	84	726628	7.862 ppbv	98
21) Allyl Chloride	4.42	41	1340993	8.944 ppbv	95
22) trans-1,2-Dichloroethene	4.89	96	853253	9.392 ppbv	96
23) Vinyl Acetate	5.08	43	2792907	10.264 ppbv	99
24) 1,1-Dichloroethane	5.02	63	1817761	9.211 ppbv	99
25) Ethyl Acetate	5.68	43	4458028	9.513 ppbv	99
26) Hexane	5.69	57	2123061	9.266 ppbv	99
27) Carbon Disulfide	4.56	76	2027182	9.928 ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	2027699	9.214 ppbv	99
29) Chloroform	5.76	83	3036647	9.352 ppbv	98
30) Cyclohexane	7.14	84	1799473	9.426 ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1953308	9.419 ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	2883942	9.039 ppbv	99
34) 2-Butanone	5.25	43	1973403	9.231 ppbv	97
35) Carbon Tetrachloride	7.02	117	3010095	9.729 ppbv	97
36) Benzene	6.90	78	4388910	9.973 ppbv	97
37) 1,2-Dichloroethane	6.31	62	2112576	9.691 ppbv	99
38) Trichloroethene	7.84	130	1762411	9.760 ppbv	95
39) 1,2-Dichloropropane	7.62	63	1684272	9.960 ppbv	98
40) 1,4-Dioxane	7.84	88	433984	10.475 ppbv	# 100
41) Tetrahydrofuran	6.06	42	1067973	10.370 ppbv	97
42) Bromodichloromethane	7.80	83	3188266	10.002 ppbv	95
43) Methyl Methacrylate	8.02	69	1582262	10.315 ppbv	99

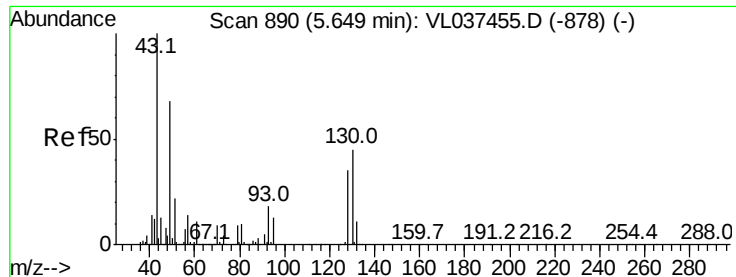
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090821\
 Data File : VL037565.D
 Acq On : 8 Sep 2021 10:19
 Operator : SY/AP
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Quant Time: Sep 09 09:10:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY 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)
44) 2,2,4-Trimethylpentane	7.88	57	7265985	9.810	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1391510	12.051	ppbv	95
46) cis-1,3-Dichloropropene	8.71	75	1805712	11.210	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1794544	9.821	ppbv	98
48) Dibromochloromethane	10.31	129	2754288	10.474	ppbv	100
49) Bromoform	13.05	173	2201430	10.621	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2928027	10.499	ppbv	99
51) 2-Hexanone	10.14	43	1386929	10.811	ppbv #	97
52) Tetrachloroethene	11.23	164	1605030	8.900	ppbv	98
53) Toluene	9.81	91	5052864	10.055	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2523969	9.894	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1903955	7.691	ppbv	98
57) Chlorobenzene	12.15	112	3687709	7.480	ppbv	97
58) Ethyl Benzene	12.72	91	6437806	7.809	ppbv	99
59) m/p-Xylene	13.00	91	5692411	7.964	ppbv #	36
60) o-Xylene	13.70	91	4913839	7.366	ppbv	99
61) Styrene	13.53	104	2869349	8.280	ppbv	99
62) Isopropylbenzene	14.67	105	6891600	7.320	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3576765	7.214	ppbv	98
64) n-propylbenzene	15.56	120	1844512	7.698	ppbv	97
65) tert-Butylbenzene	16.75	119	6028506	7.031	ppbv	99
66) Benzyl Chloride	17.00	91	404869	10.438	ppbv	96
67) sec-Butylbenzene	17.29	105	8310556	6.937	ppbv	99
69) p-Isopropyltoluene	17.65	119	6963481	7.133	ppbv	99
70) n-Butylbenzene	18.55	91	6800773	7.289	ppbv	100
71) 2-Chlorotoluene	15.46	91	5061136	7.331	ppbv	99
72) 4-Ethyltoluene	15.84	105	5832002	7.350	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	5266532	7.131	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	5521408	7.035	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	3367908	7.129	ppbv	98
76) 1,4-Dichlorobenzene	17.14	146	3224175	6.775	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	3235670	6.955	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	2747191	7.103	ppbv	99
79) Naphthalene	22.19	128	5112771	9.735	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	1709497	11.683	ppbv	96
81) 1,2,4-Trichlorobenzene	21.93	180	2837537	8.609	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.02 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

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MSVOA_L

ClientSampleId :

VL0908ABS01

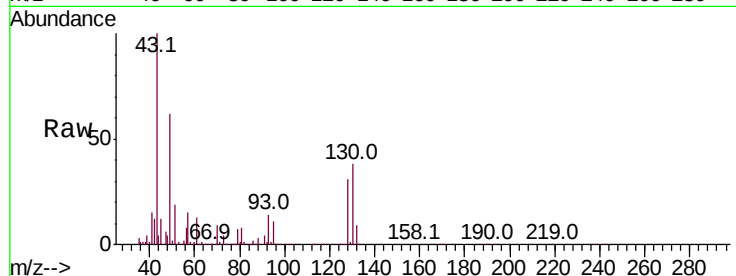
Tot Ion: 49 Resp: 1813846

Ion Ratio Lower Upper

49 100

128 54.7 27.5 82.4

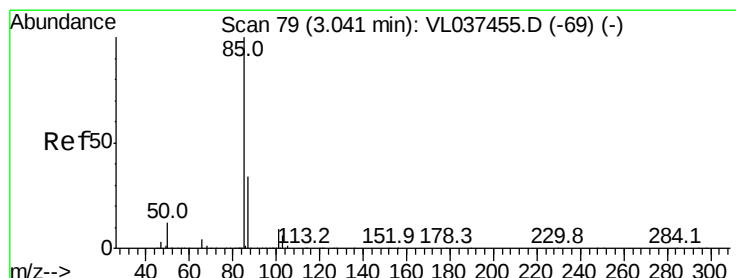
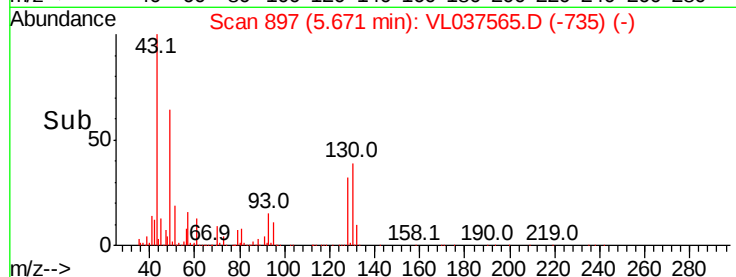
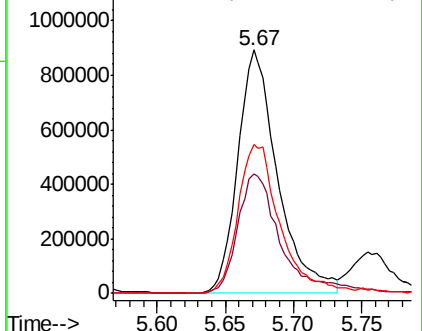
130 65.7 34.0 101.8



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



#2

Dichlorodifluoromethane

Concen: 7.712 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL037565.D

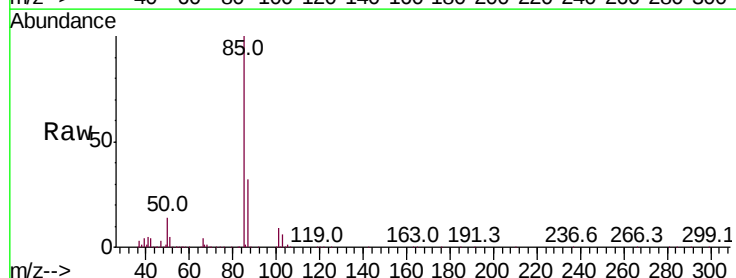
Acq: 8 Sep 2021 10:19

Tgt Ion: 85 Resp: 2244350

Ion Ratio Lower Upper

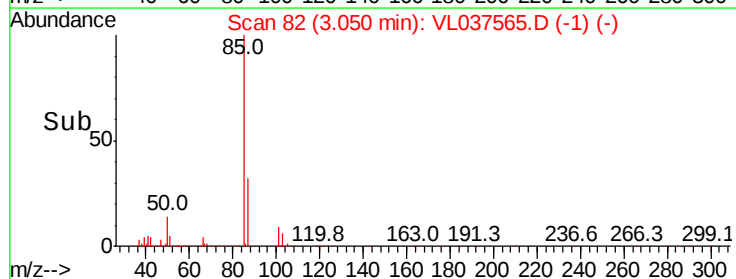
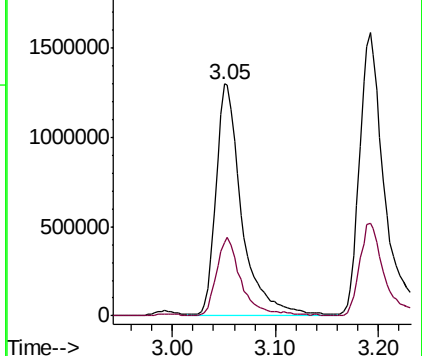
85 100

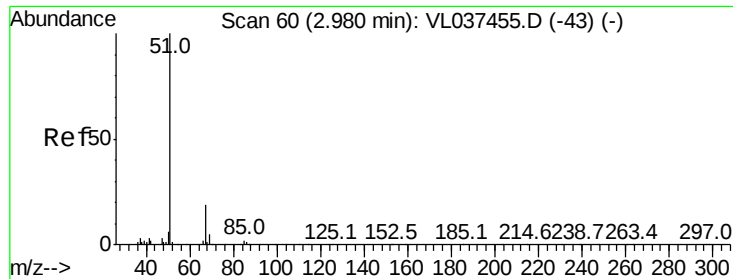
87 31.7 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

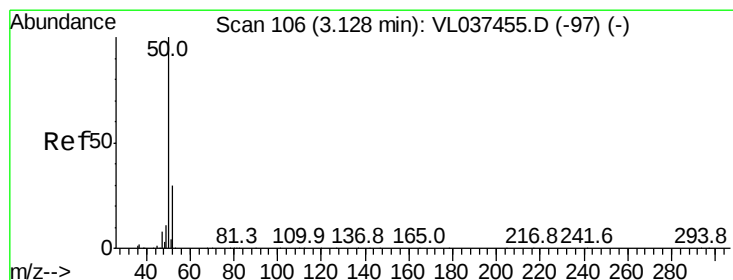
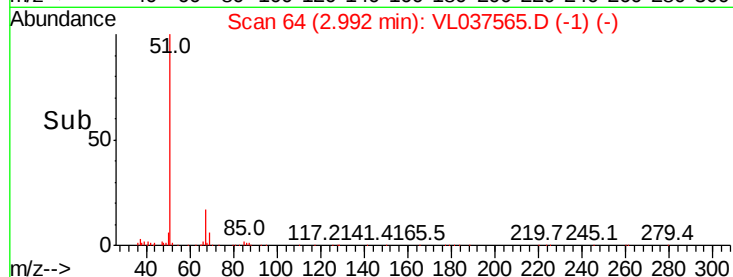
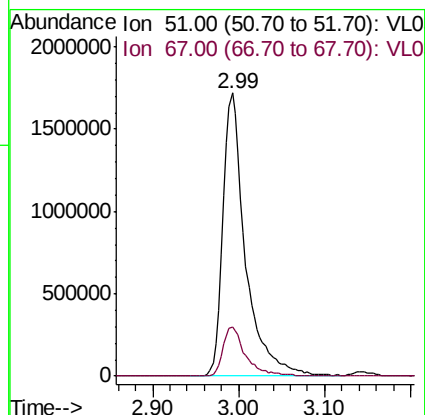
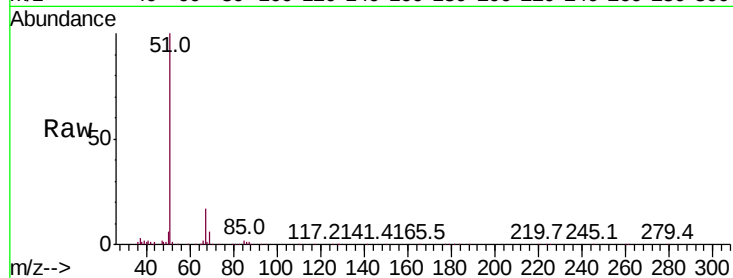




#3
Chlorodifluoromethane
Concen: 9.048 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.01 min
Lab File: VL037565.D
Acq: 8 Sep 2021 10:19

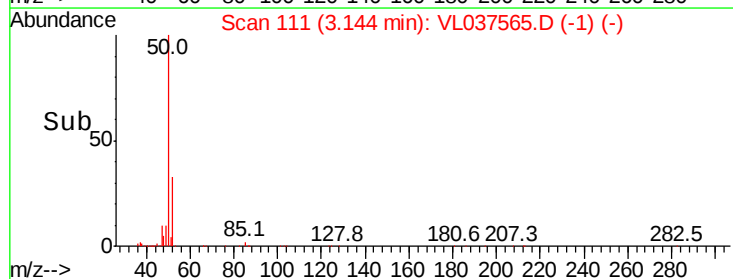
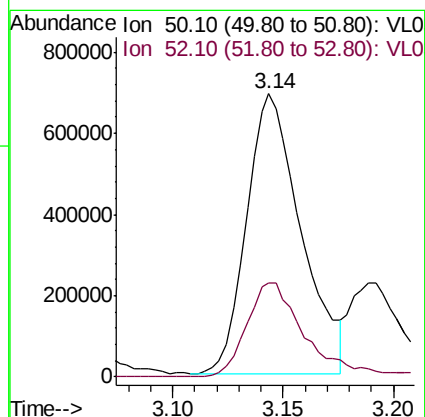
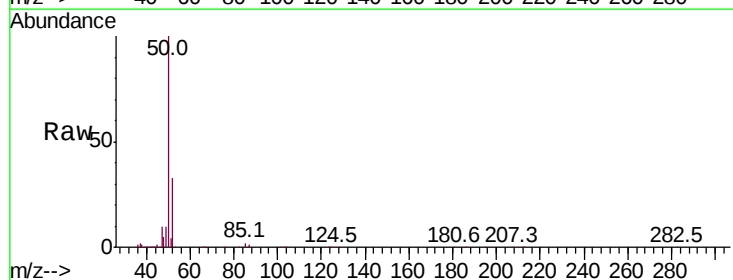
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

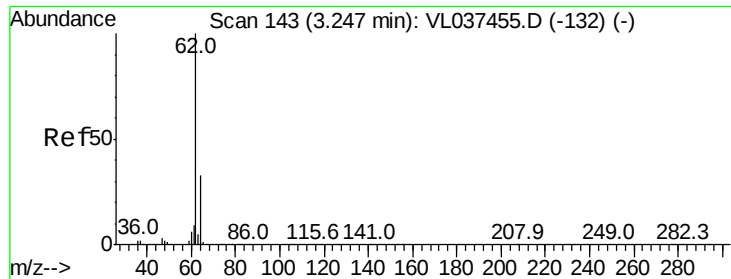
Tot Ion: 51 Resp: 3142729
Ion Ratio Lower Upper
51 100
67 17.5 14.2 21.2



#4
Chloromethane
Concen: 9.548 ppbv
RT: 3.14 min Scan# 111
Delta R.T. 0.02 min
Lab File: VL037565.D
Acq: 8 Sep 2021 10:19

Tgt Ion: 50 Resp: 1185119
Ion Ratio Lower Upper
50 100
52 33.7 24.0 36.0





#5

Vinyl Chloride

Concen: 9.175 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

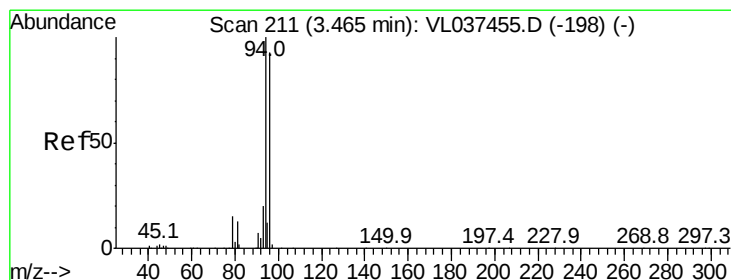
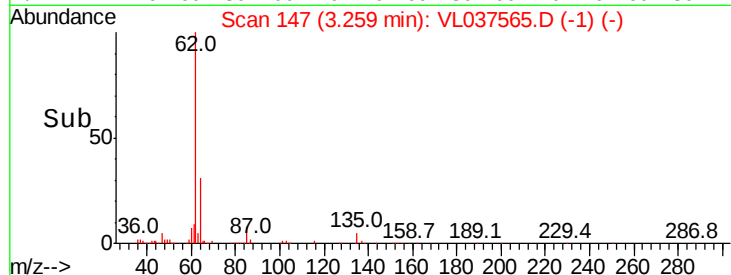
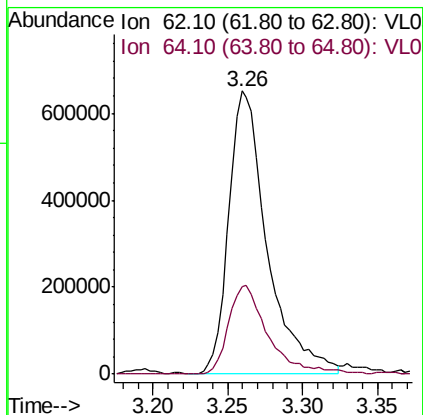
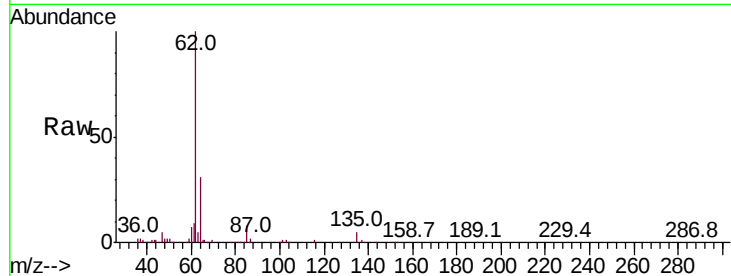
VL0908ABS01

Tot Ion: 62 Resp: 1166739

Ion Ratio Lower Upper

62 100

64 31.1 26.5 39.7



#6

Bromomethane

Concen: 9.661 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL037565.D

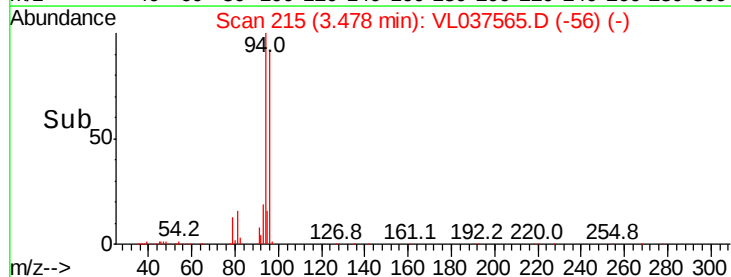
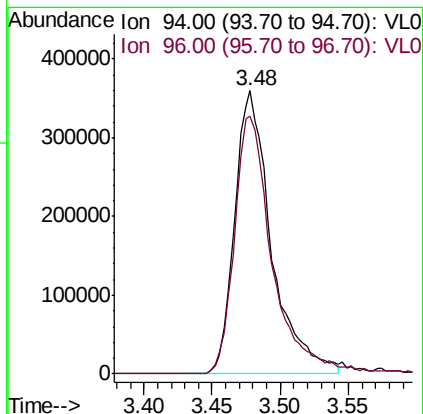
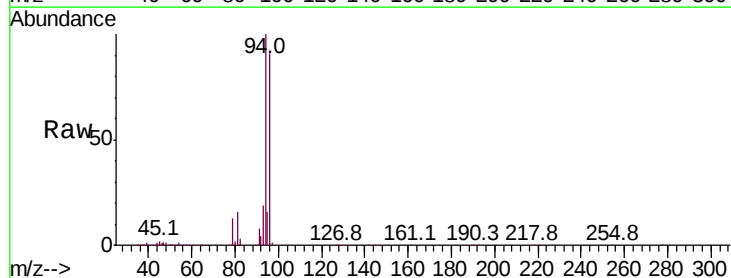
Acq: 8 Sep 2021 10:19

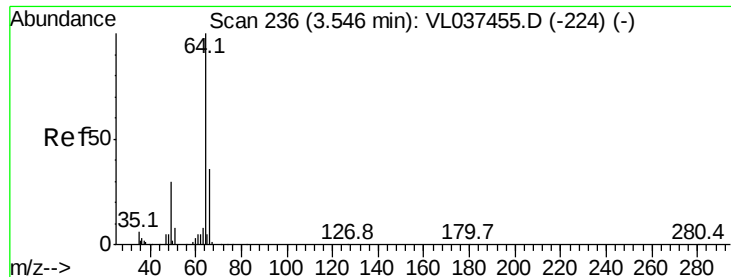
Tgt Ion: 94 Resp: 672917

Ion Ratio Lower Upper

94 100

96 90.9 74.5 111.7





#7

Chloroethane

Concen: 9.138 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.02 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

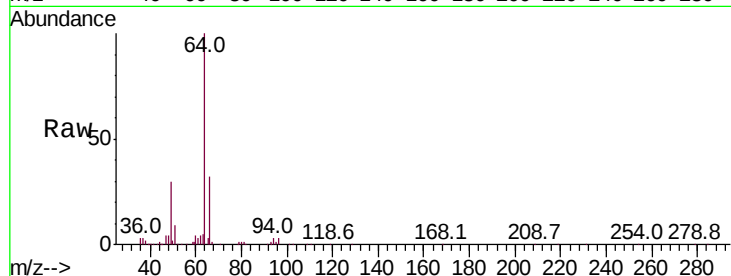
VL0908ABS01

Tot Ion: 64 Resp: 396583

Ion Ratio Lower Upper

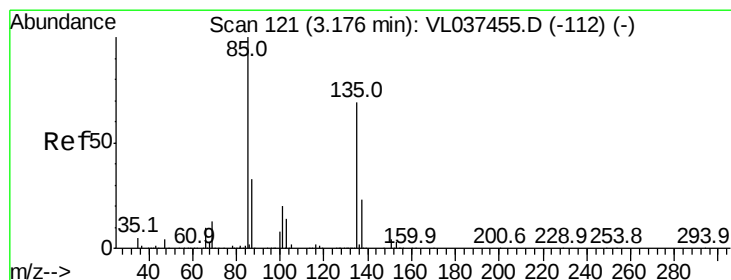
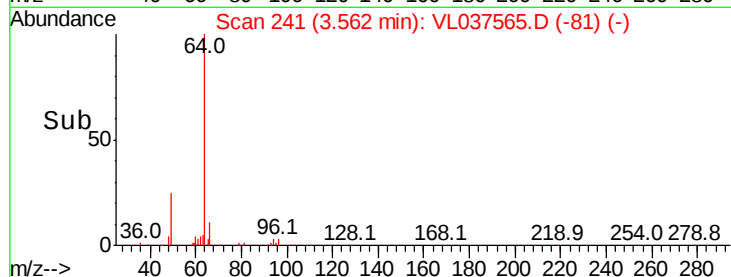
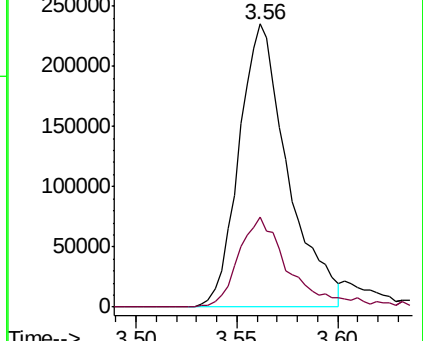
64 100

66 32.1 28.6 43.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.932 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.02 min

Lab File: VL037565.D

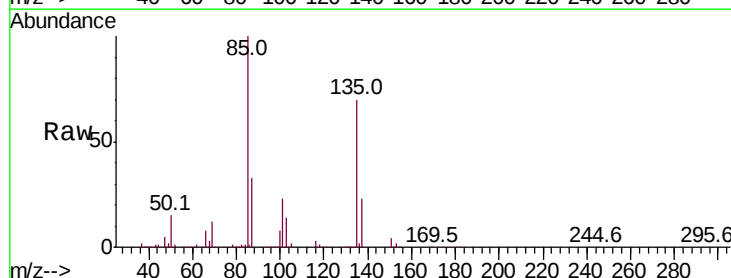
Acq: 8 Sep 2021 10:19

Tgt Ion: 85 Resp: 2683645

Ion Ratio Lower Upper

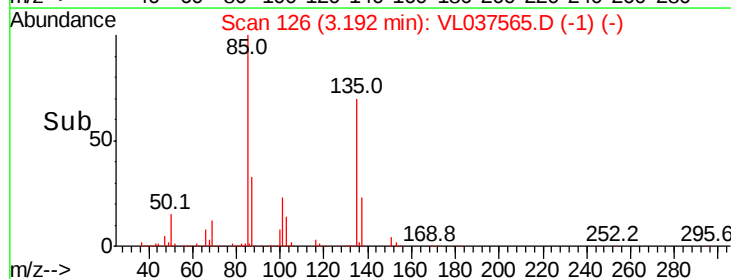
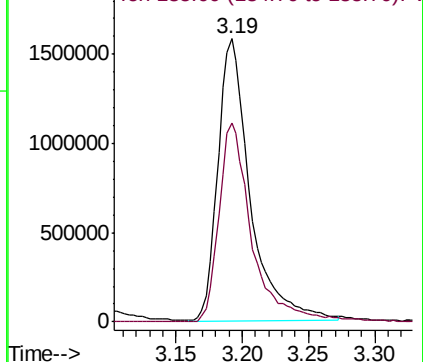
85 100

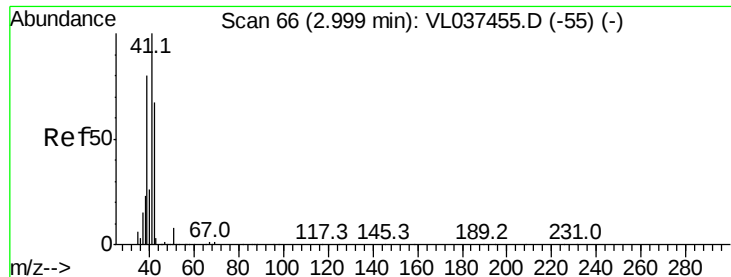
135 72.5 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.199 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.02 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

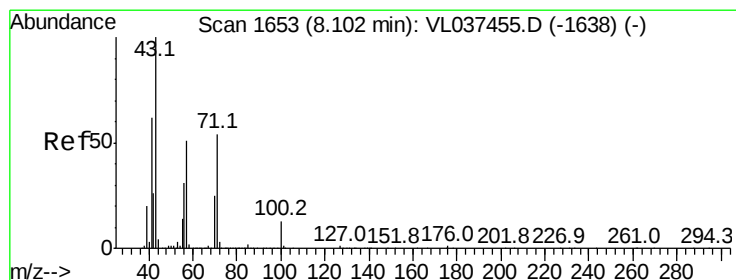
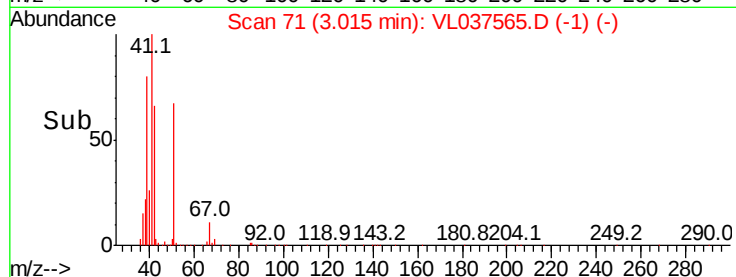
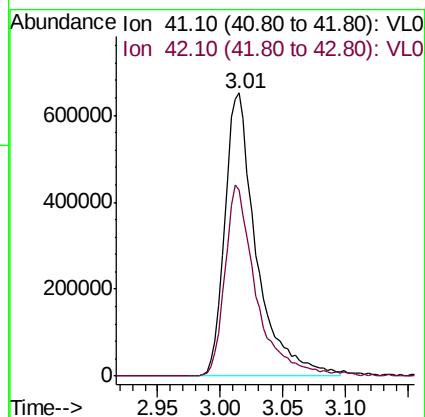
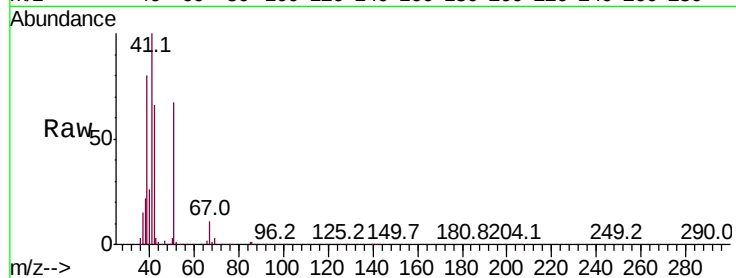
VL0908ABS01

Tot Ion: 41 Resp: 1143151

Ion Ratio Lower Upper

41 100

42 67.2 53.7 80.5



#10

Heptane

Concen: 10.144 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.03 min

Lab File: VL037565.D

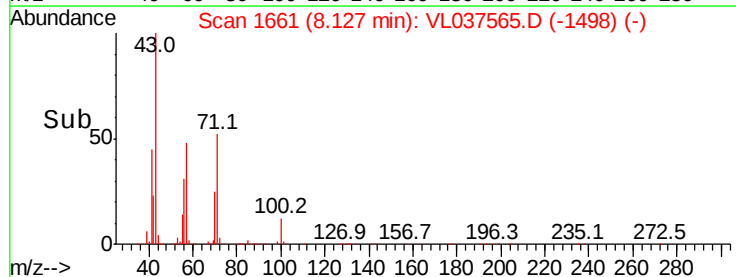
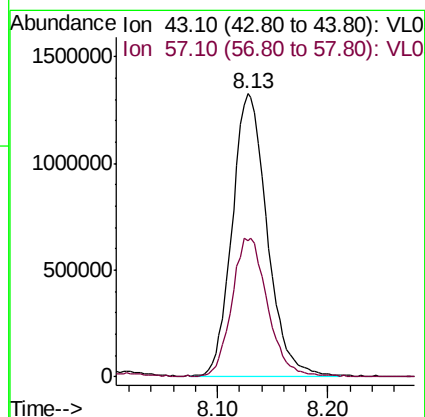
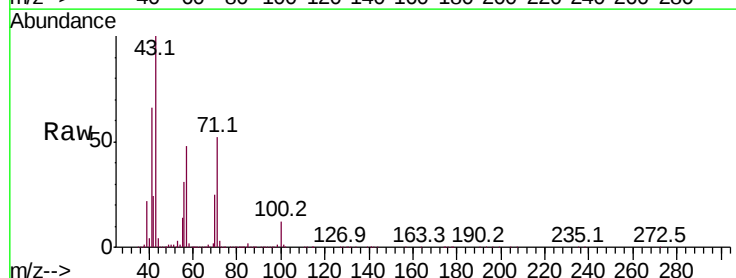
Acq: 8 Sep 2021 10:19

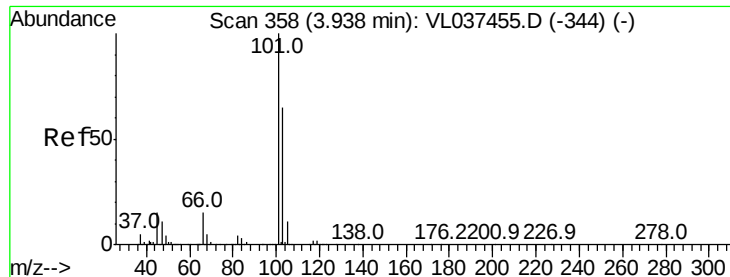
Tgt Ion: 43 Resp: 2901822

Ion Ratio Lower Upper

43 100

57 50.6 41.0 61.6

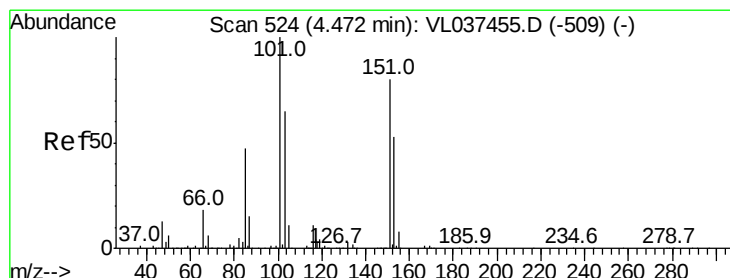
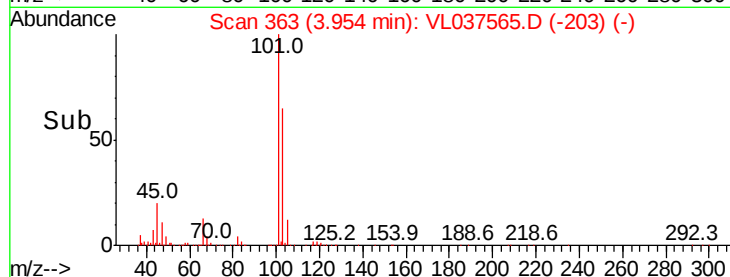
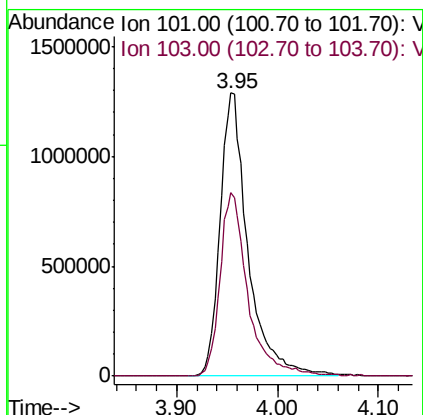
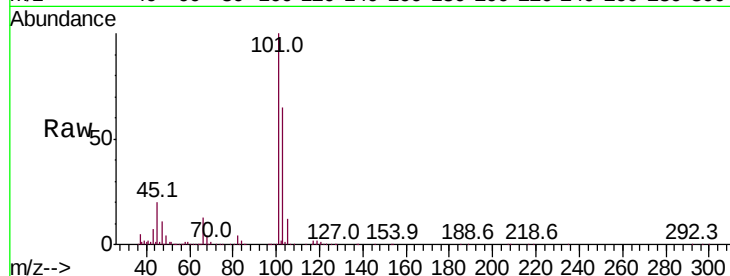




#11
 Trichlorofluoromethane
 Concen: 9.138 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.02 min
 Lab File: VL037565.D
 Acq: 8 Sep 2021 10:19

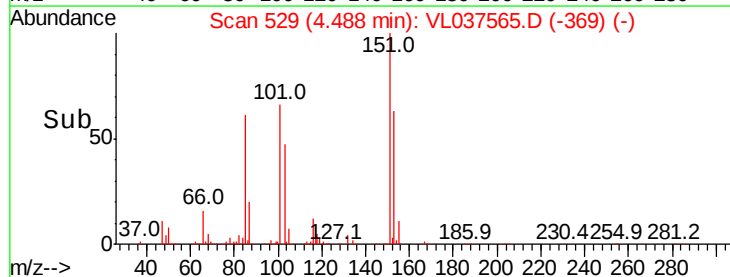
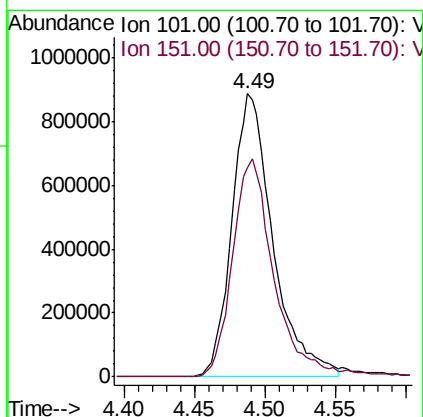
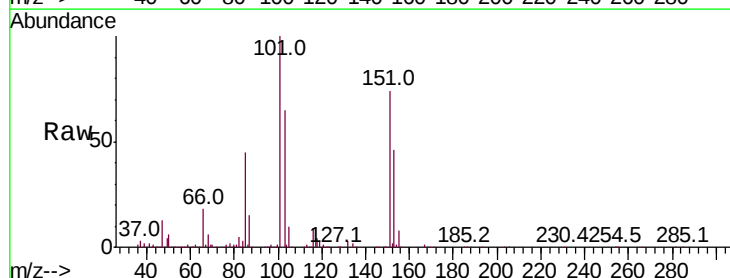
Instrument :
 MSVOA_L
 ClientSampleID :
 VL0908ABS01

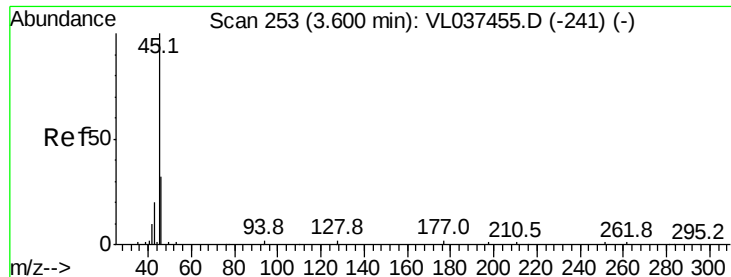
Tot Ion:101 Resp: 2496496
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.007 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.02 min
 Lab File: VL037565.D
 Acq: 8 Sep 2021 10:19

Tgt Ion:101 Resp: 1805653
 Ion Ratio Lower Upper
 101 100
 151 79.0 63.7 95.5

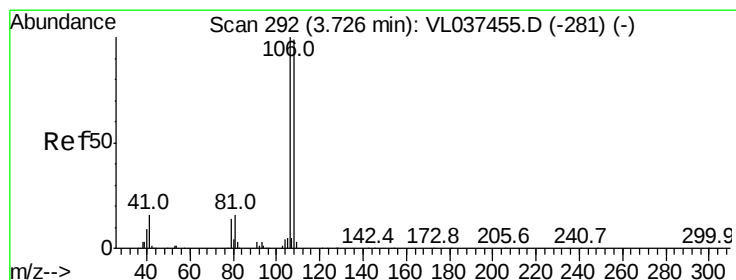
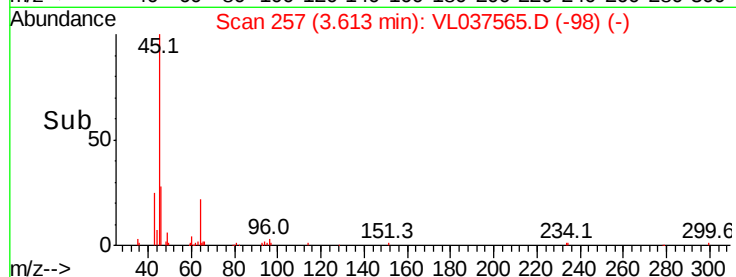
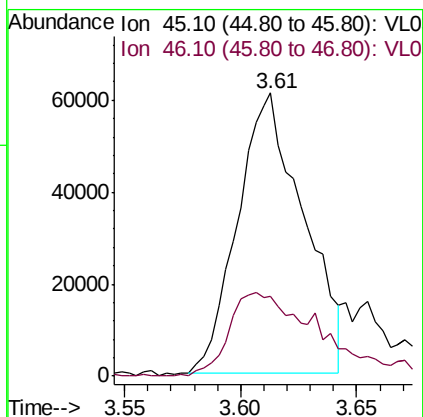
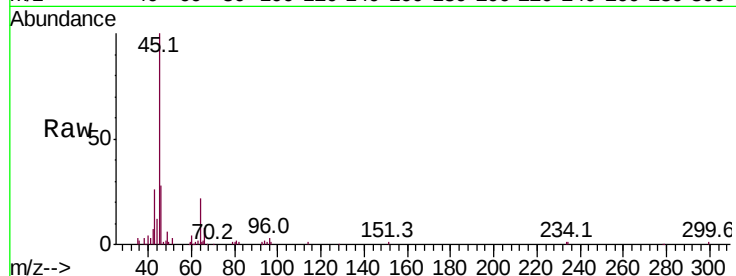




#13
Ethanol
Concen: 10.006 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL037565.D
Acq: 8 Sep 2021 10:19

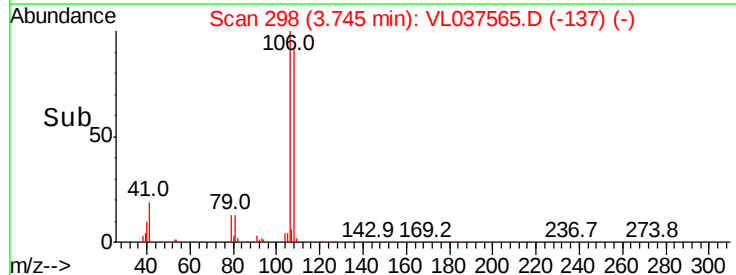
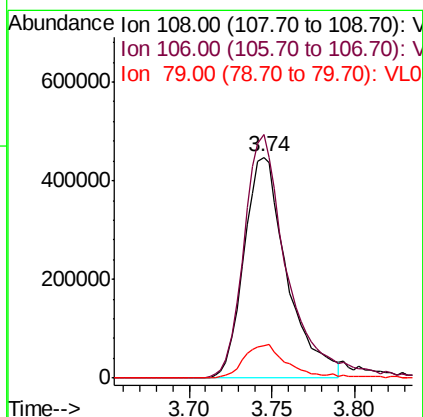
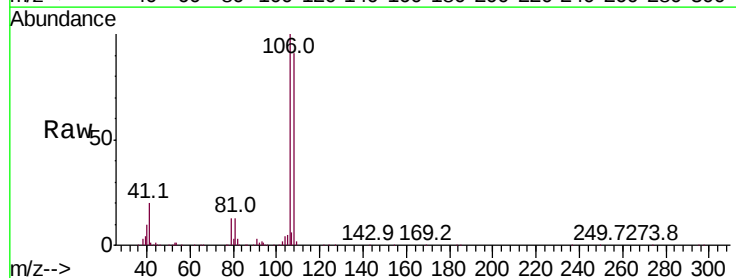
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

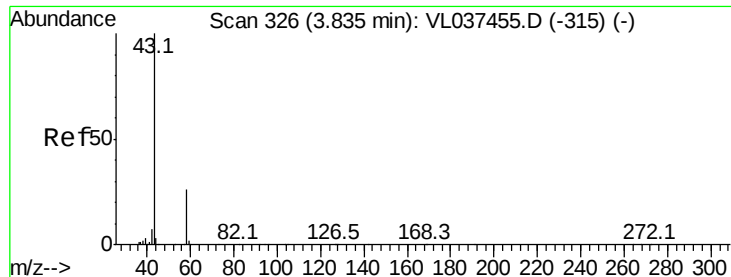
Tot Ion: 45 Resp: 120996
Ion Ratio Lower Upper
45 100
46 45.7 14.1 56.5



#14
Bromoethene
Concen: 8.860 ppbv
RT: 3.74 min Scan# 298
Delta R.T. 0.02 min
Lab File: VL037565.D
Acq: 8 Sep 2021 10:19

Tgt Ion: 108 Resp: 806366
Ion Ratio Lower Upper
108 100
106 113.7 85.8 128.8
79 16.2 12.6 18.8

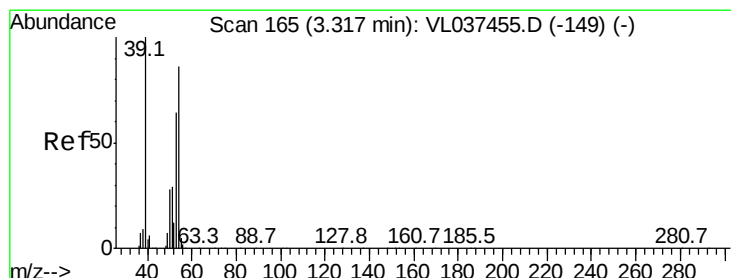
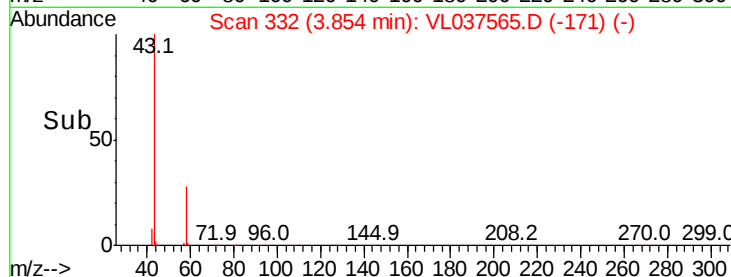
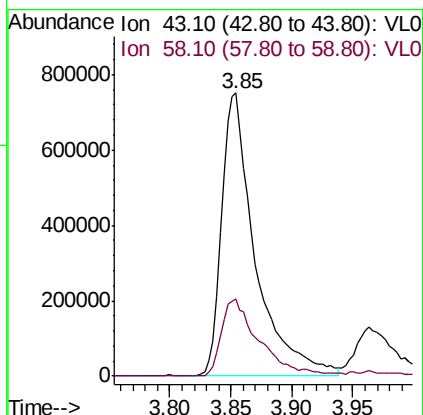
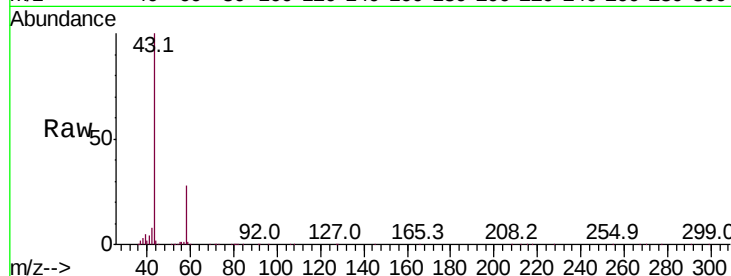




#15
Acetone
Concen: 7.874 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.02 min
Lab File: VL037565.D
Acq: 8 Sep 2021 10:19

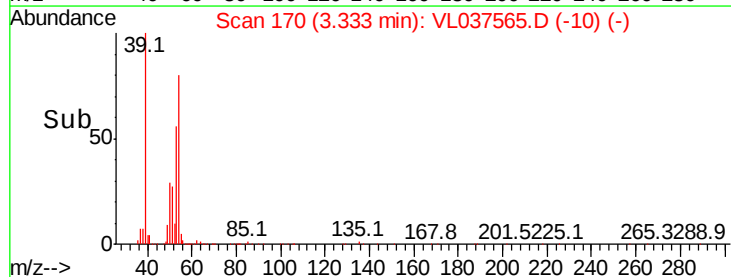
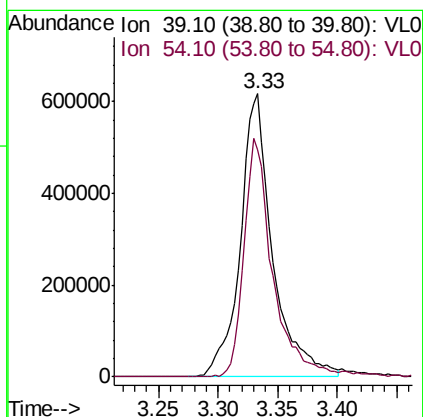
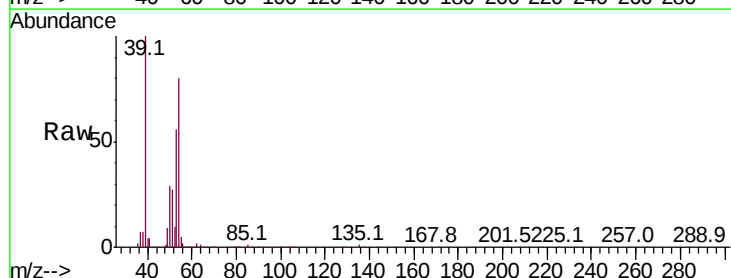
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

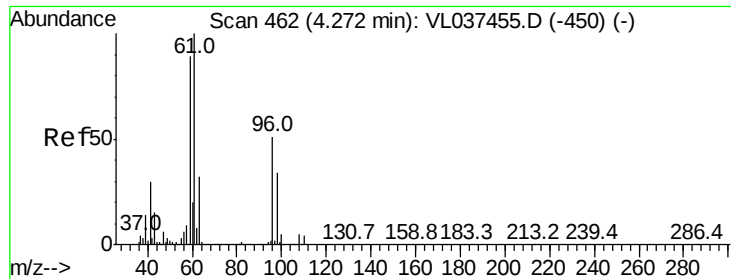
Tot Ion: 43 Resp: 1453491
Ion Ratio Lower Upper
43 100
58 30.5 24.8 37.2



#16
1,3-Butadiene
Concen: 9.781 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.02 min
Lab File: VL037565.D
Acq: 8 Sep 2021 10:19

Tgt Ion: 39 Resp: 1158233
Ion Ratio Lower Upper
39 100
54 76.5 63.7 95.5

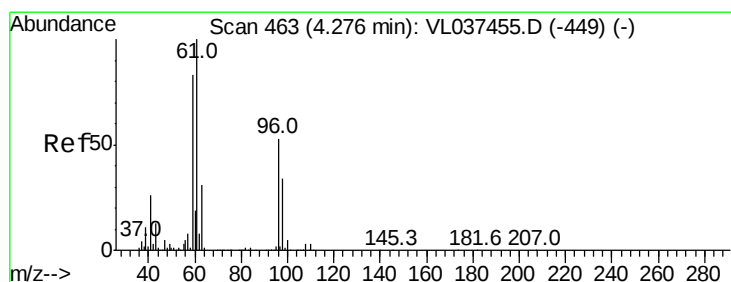
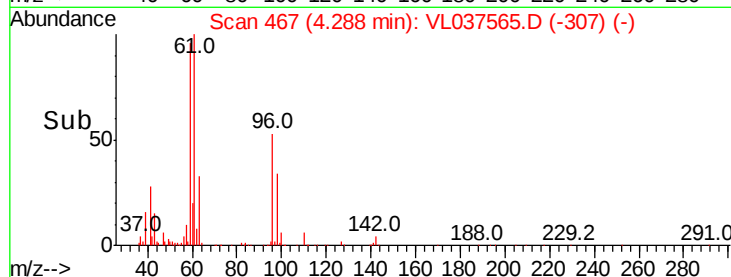
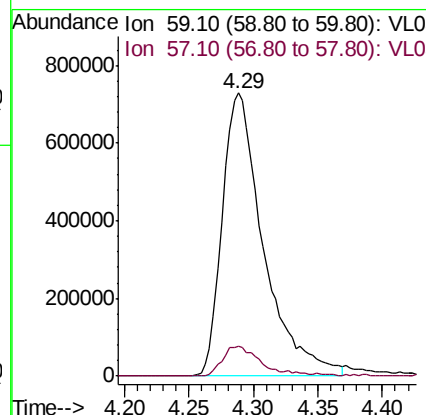
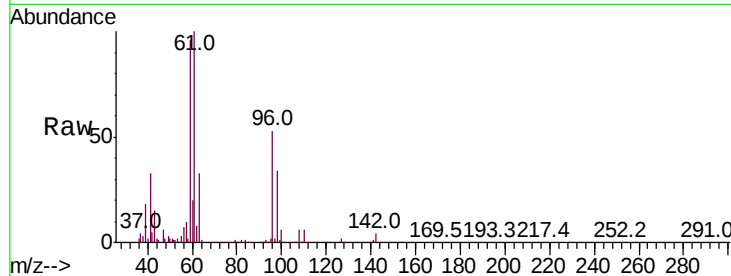




#17
tert-Butyl alcohol
Concen: 9.606 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.02 min
Lab File: VL037565.D
Acq: 8 Sep 2021 10:19

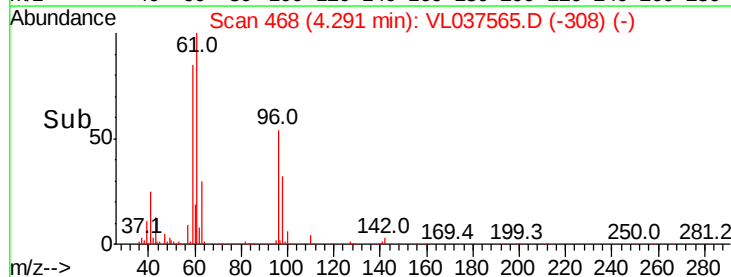
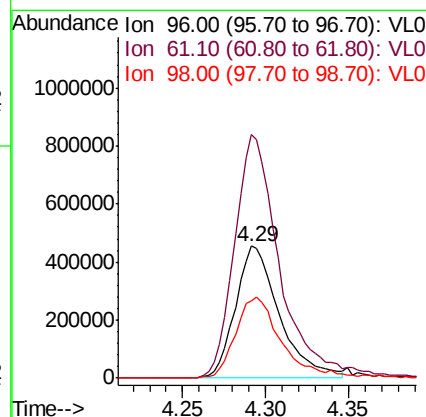
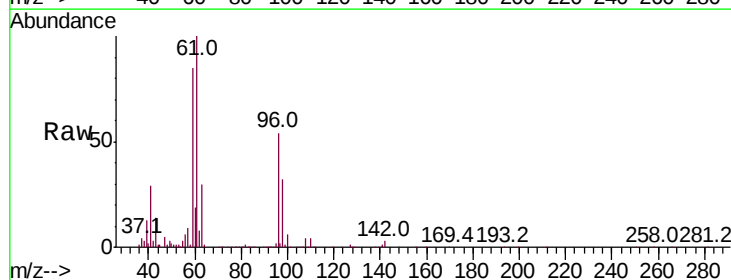
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

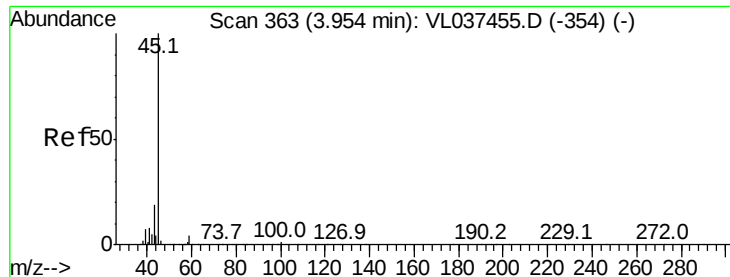
Tot Ion: 59 Resp: 1619801
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5



#18
1,1-Dichloroethene
Concen: 9.189 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL037565.D
Acq: 8 Sep 2021 10:19

Tgt Ion: 96 Resp: 836727
Ion Ratio Lower Upper
96 100
61 184.7 151.1 226.7
98 58.5 51.8 77.8





#19

Isopropyl Alcohol

Concen: 9.572 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

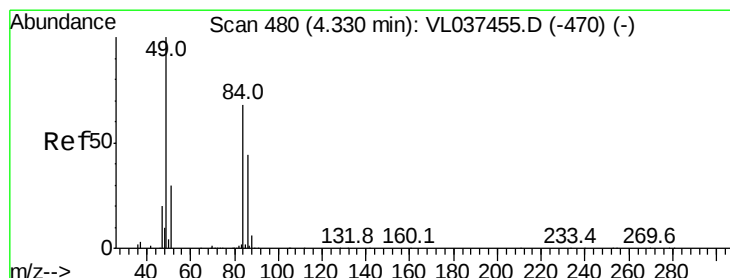
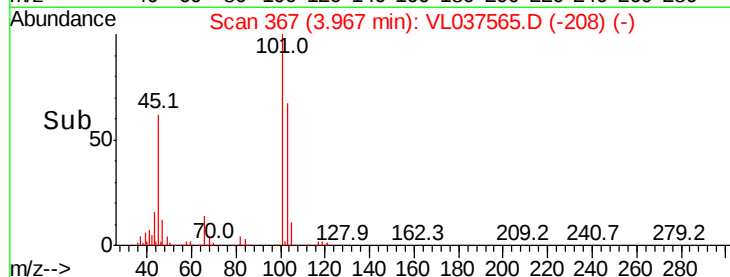
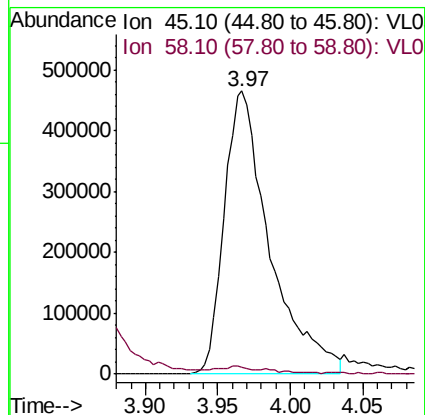
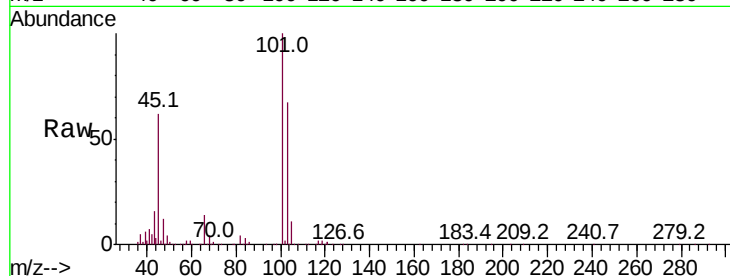
VL0908ABS01

Tot Ion: 45 Resp: 1012305

Ion Ratio Lower Upper

45 100

58 3.2 1.4 2.2#



#20

Methylene Chloride

Concen: 7.862 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.02 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Tgt Ion: 84 Resp: 726628

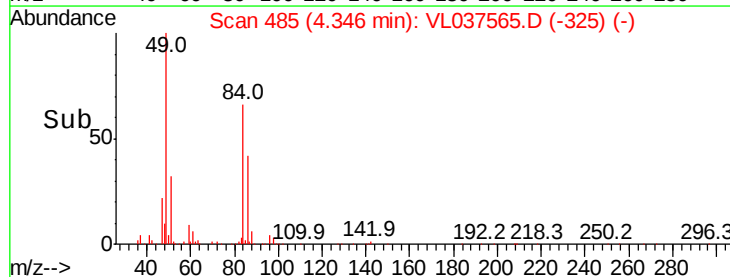
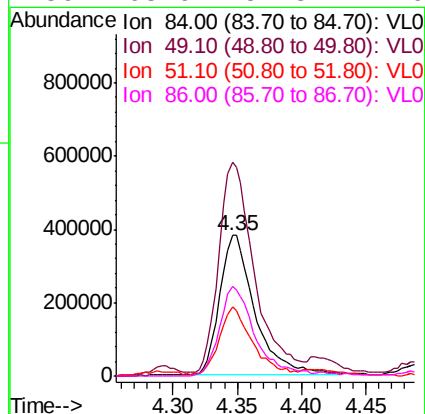
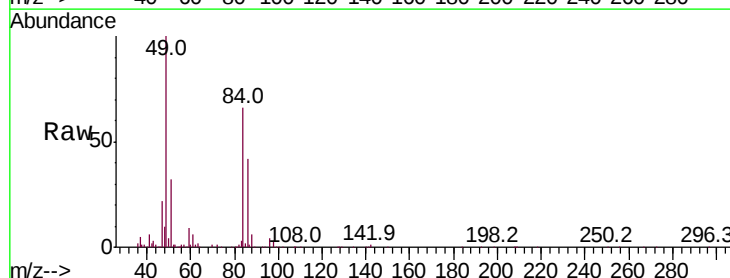
Ion Ratio Lower Upper

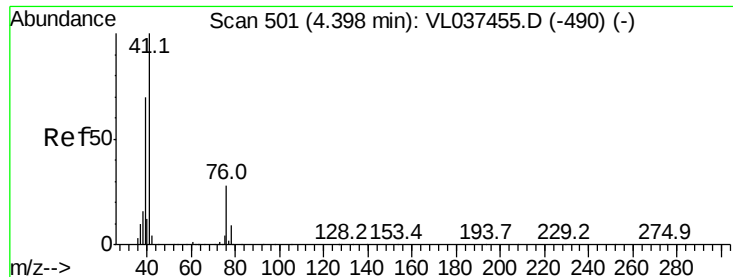
84 100

49 150.0 118.2 177.2

51 48.4 36.6 55.0

86 63.6 51.8 77.6





#21

Allvl Chloride

Concen: 8.944 ppbv

RT: 4.42 min Scan# 507

Delta R.T. 0.02 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

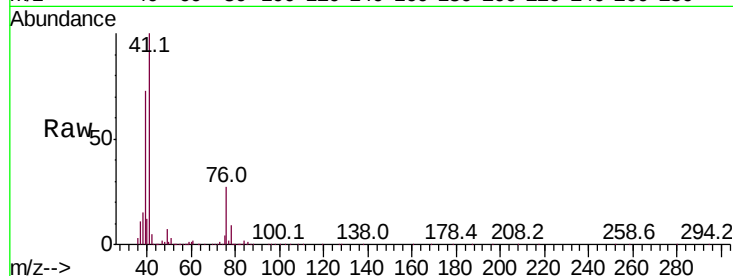
Tot Ion: 41 Resp: 1340993

Ion Ratio Lower Upper

41 100

76 29.1 21.8 32.6

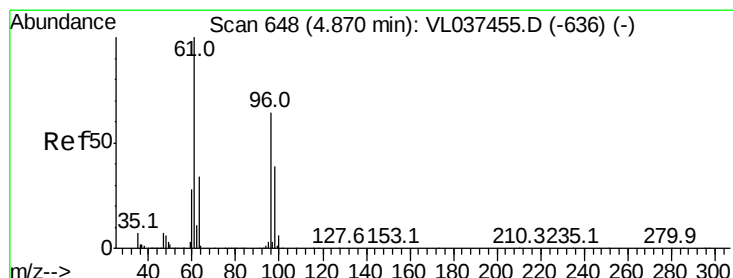
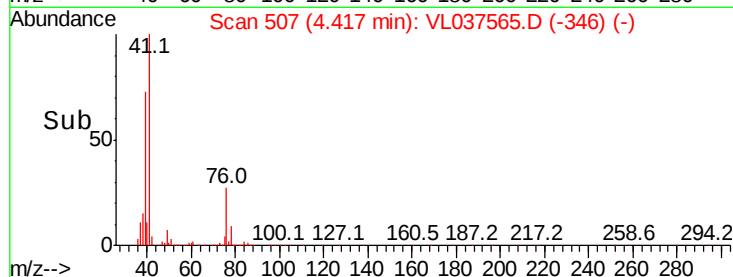
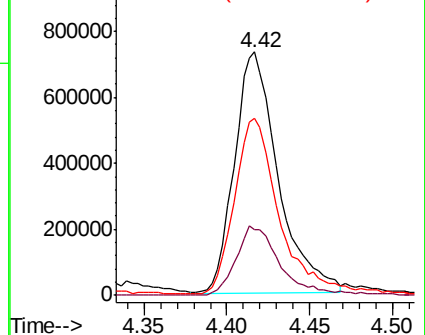
39 75.5 56.8 85.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.392 ppbv

RT: 4.89 min Scan# 654

Delta R.T. 0.02 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

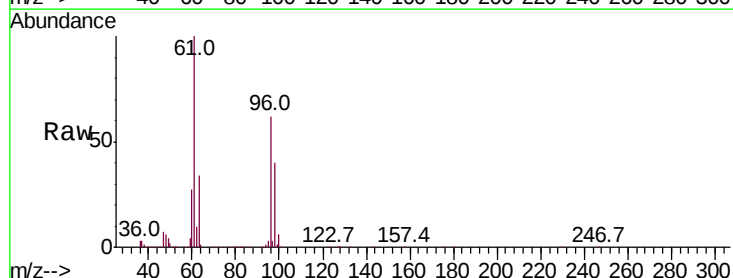
Tgt Ion: 96 Resp: 853253

Ion Ratio Lower Upper

96 100

61 162.3 125.5 188.3

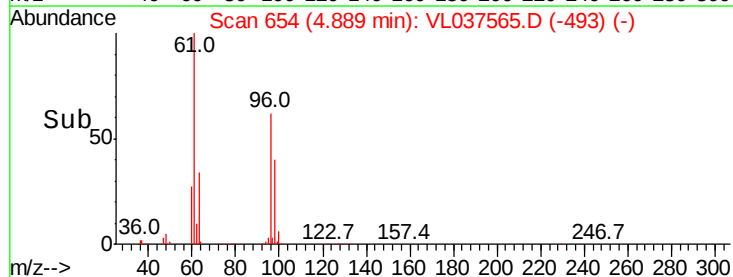
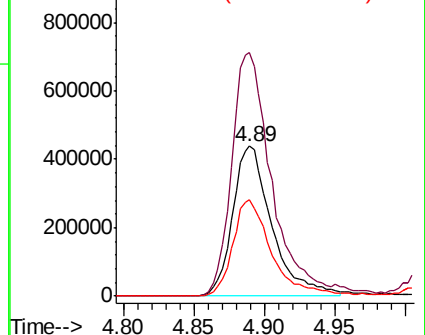
98 64.2 49.0 73.4

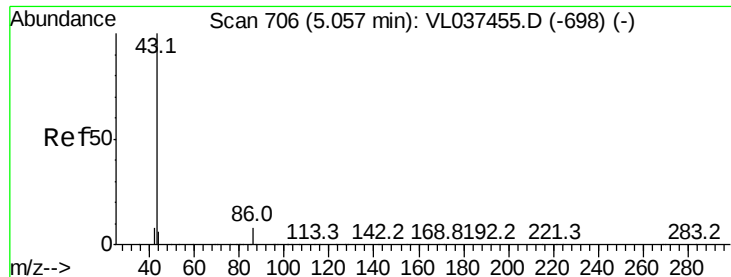


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.264 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.02 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

Tot Ion: 43 Resp: 2792907

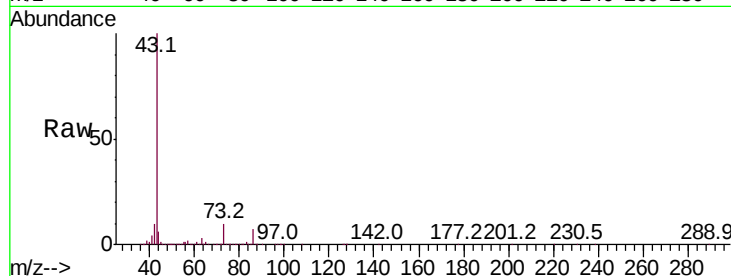
Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.7	8.5
42	9.5	7.4	11.2
44	5.0	4.3	6.5

43 100

86 7.4 5.7 8.5

42 9.5 7.4 11.2

44 5.0 4.3 6.5



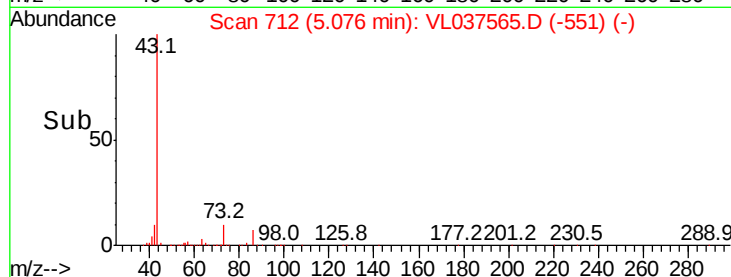
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

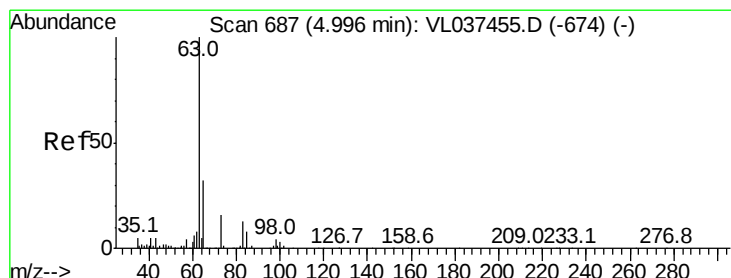
Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



5.08

Time-->



#24

1,1-Dichloroethane

Concen: 9.211 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.02 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

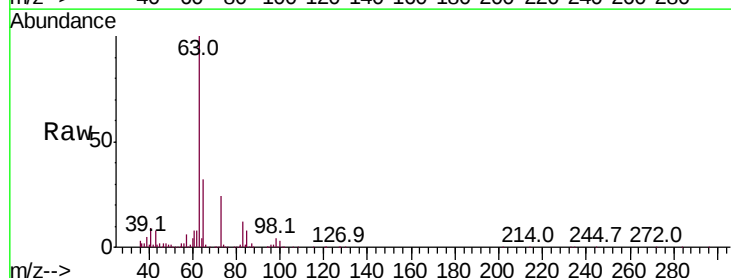
Tgt Ion: 63 Resp: 1817761

Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.1	6.3
100	3.0	1.6	4.7

63 100

98 3.7 2.1 6.3

100 3.0 1.6 4.7

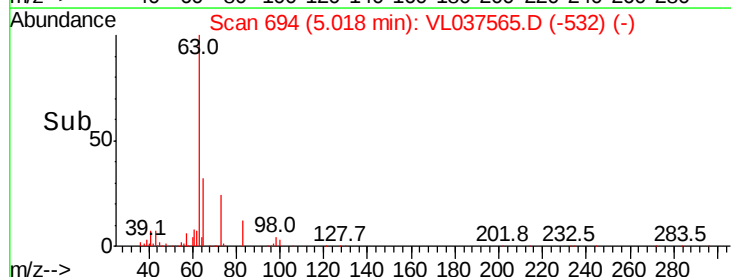


Abundance

Ion 63.10 (62.80 to 63.80): VL0

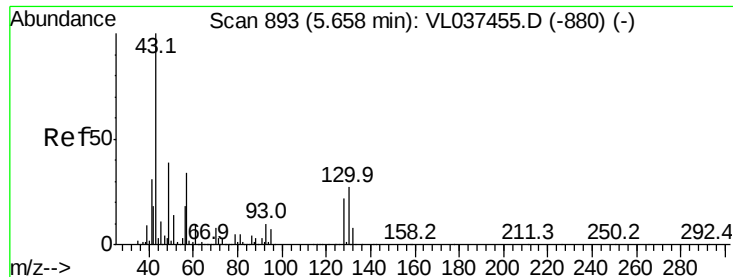
Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



5.02

Time-->



#25

Ethyl Acetate

Concen: 9.513 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

Tot Ion: 43 Resp: 4458028

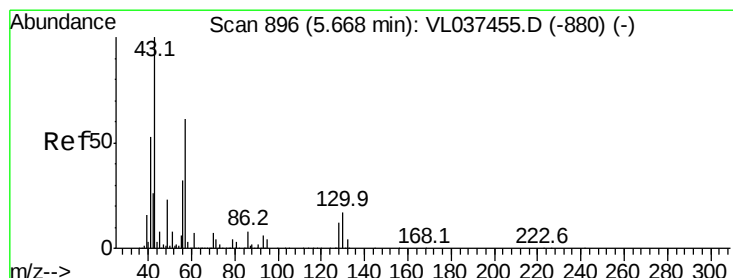
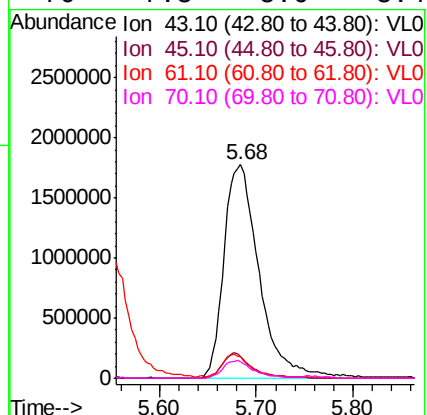
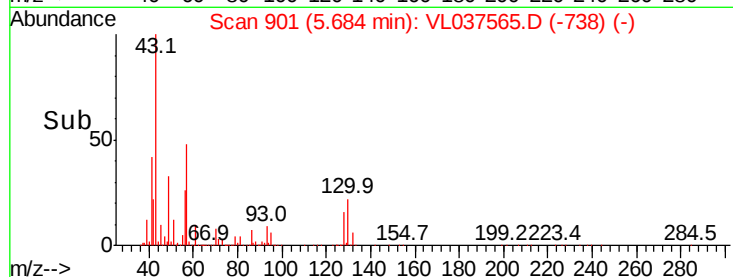
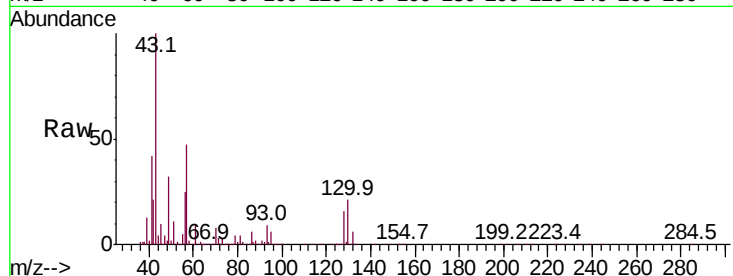
Ion Ratio Lower Upper

43 100

45 9.8 8.0 12.0

61 10.3 8.0 12.0

70 7.3 5.6 8.4



#26

Hexane

Concen: 9.266 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Tgt Ion: 57 Resp: 2123061

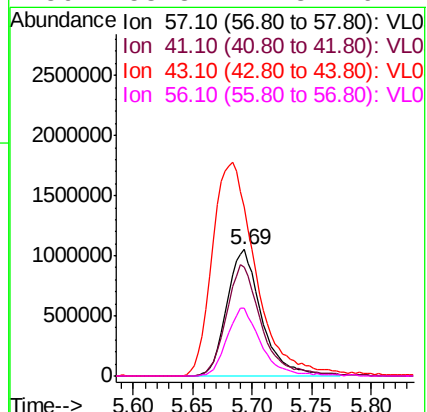
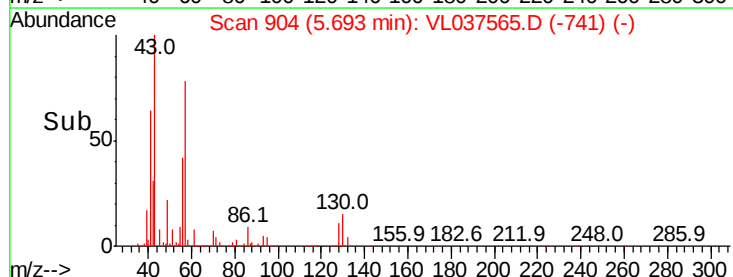
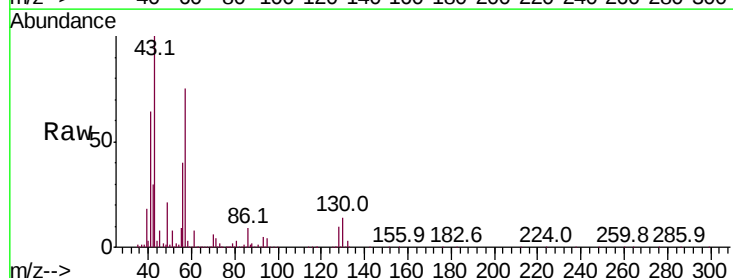
Ion Ratio Lower Upper

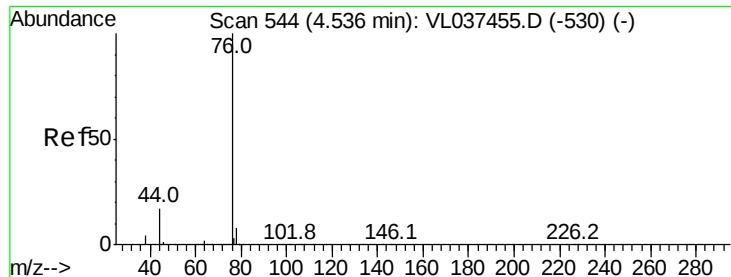
57 100

41 89.2 72.3 108.5

43 212.6 172.3 258.5

56 53.3 42.8 64.2





#27

Carbon Disulfide

Concen: 9.928 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.02 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

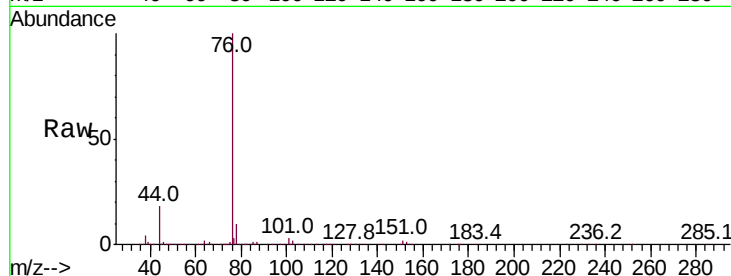
Tot Ion: 76 Resp: 2027182

Ion Ratio Lower Upper

76 100

44 17.5 13.9 20.9

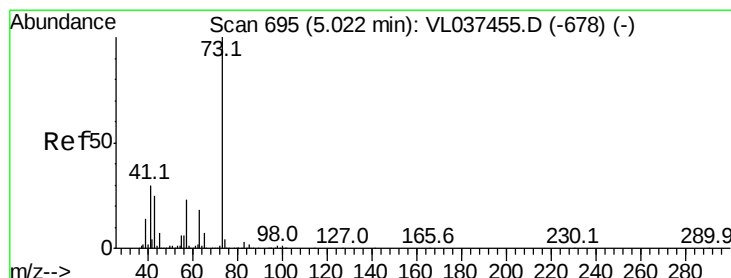
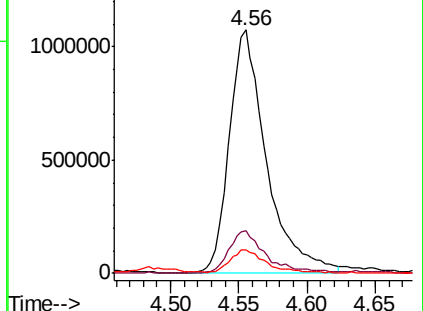
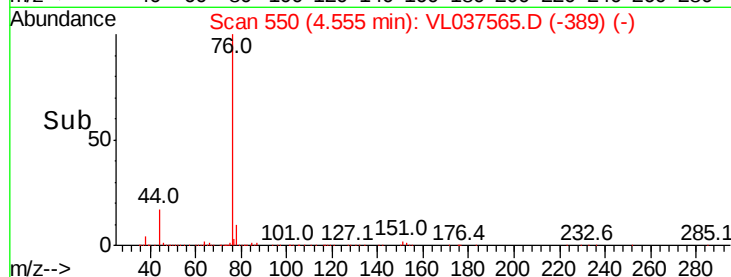
78 8.9 7.9 11.9



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.214 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.02 min

Lab File: VL037565.D

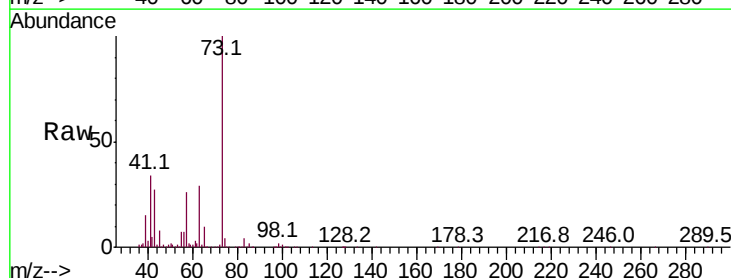
Acq: 8 Sep 2021 10:19

Tgt Ion: 73 Resp: 2027699

Ion Ratio Lower Upper

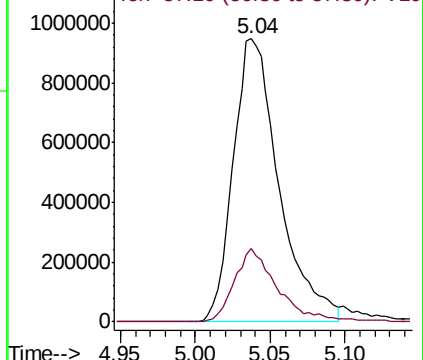
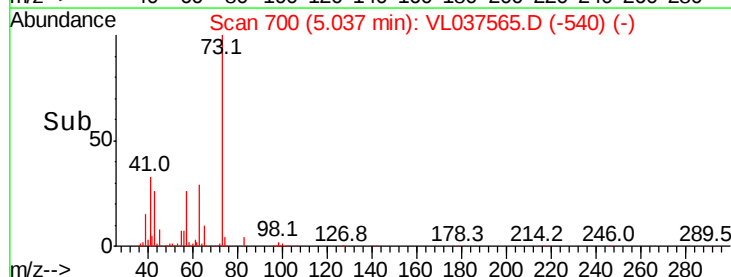
73 100

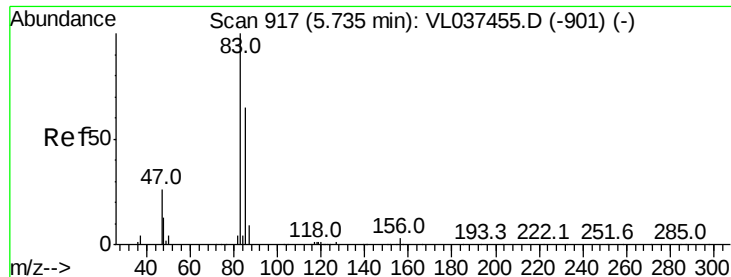
57 24.7 19.4 29.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.352 ppbv

RT: 5.76 min Scan# 924

Delta R.T. 0.02 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

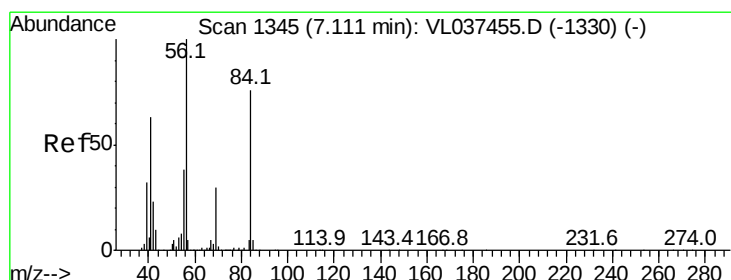
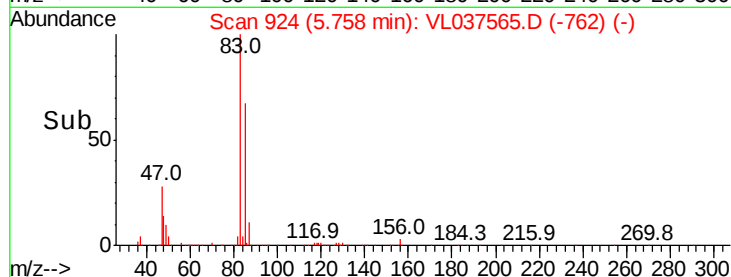
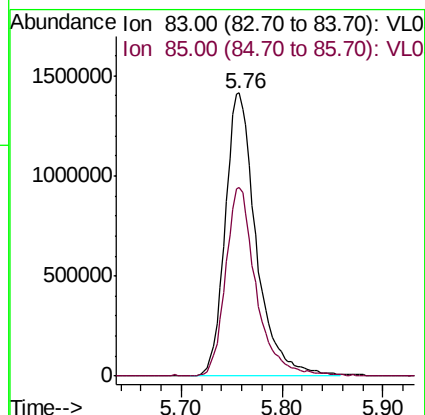
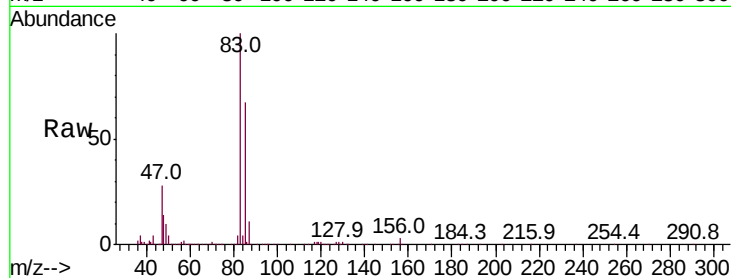
VL0908ABS01

Tot Ion: 83 Resp: 3036647

Ion Ratio Lower Upper

83 100

85 66.6 52.3 78.5



#30

Cyclohexane

Concen: 9.426 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

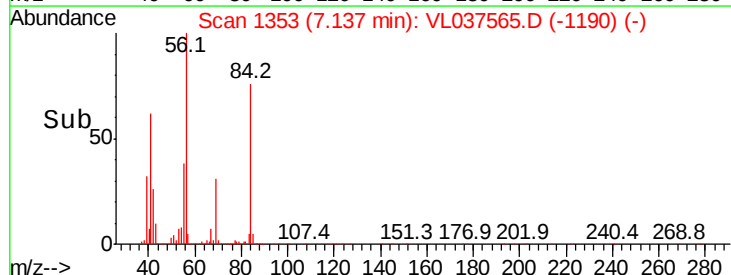
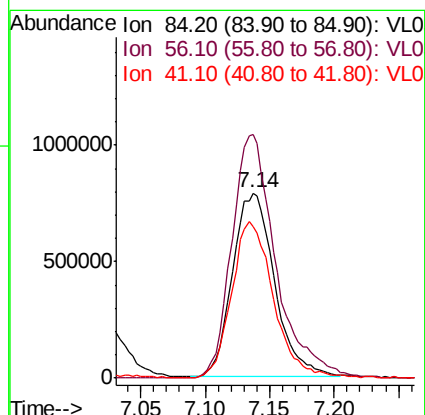
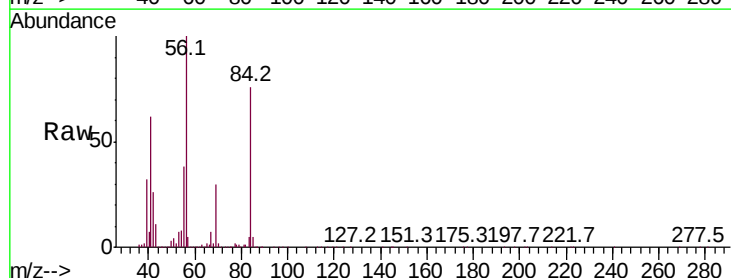
Tgt Ion: 84 Resp: 1799473

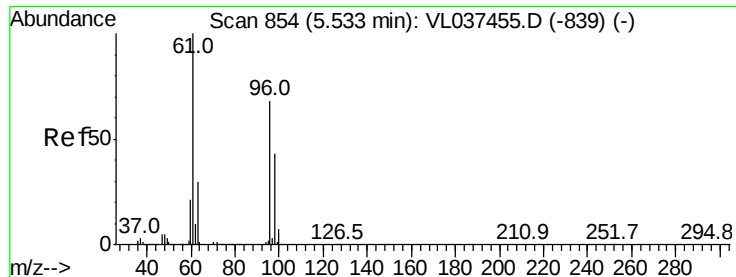
Ion Ratio Lower Upper

84 100

56 139.1 110.6 165.8

41 84.7 67.0 100.6



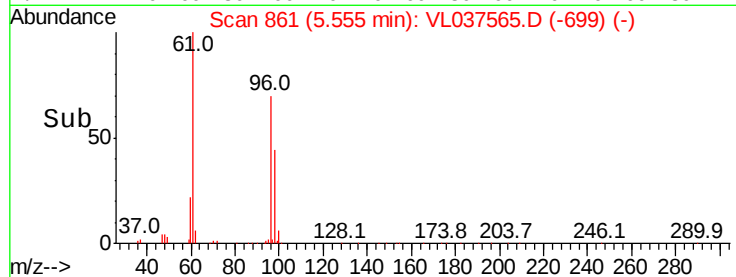
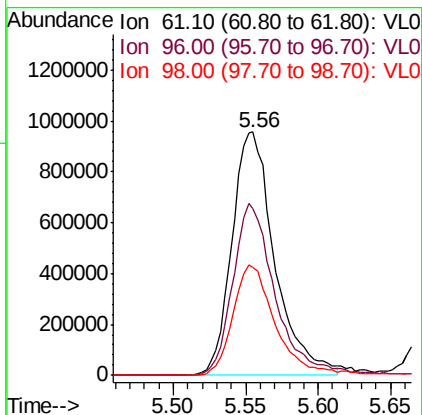
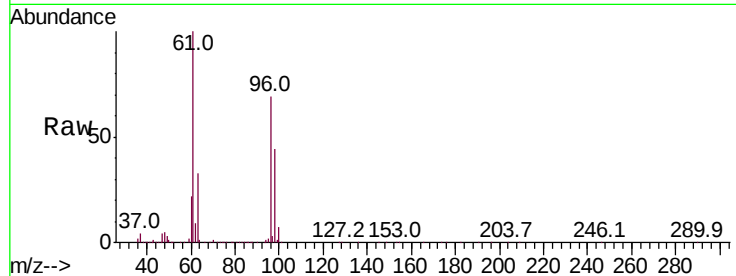


#31

cis-1,2-Dichloroethene
 Concen: 9.419 ppbv
 RT: 5.56 min Scan# 861
 Delta R.T. 0.02 min
 Lab File: VL037565.D
 Acq: 8 Sep 2021 10:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABS01

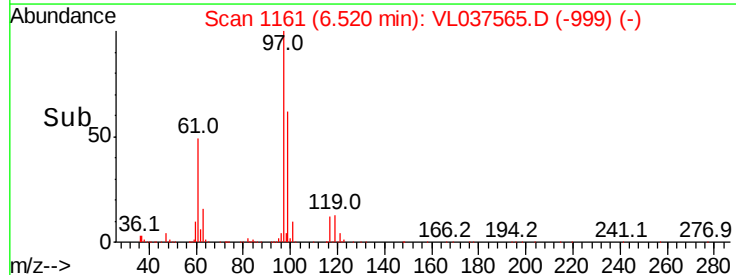
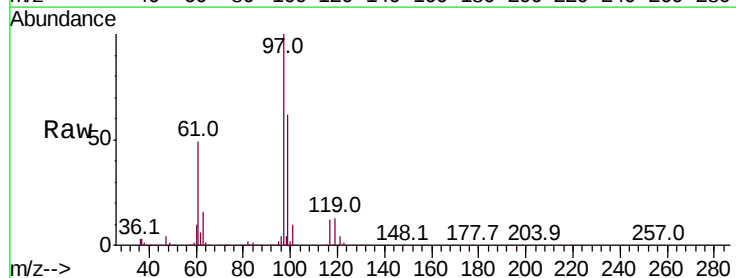
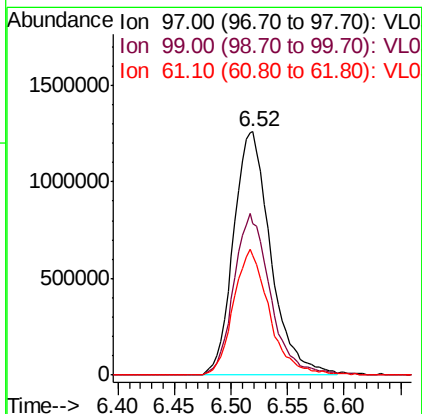
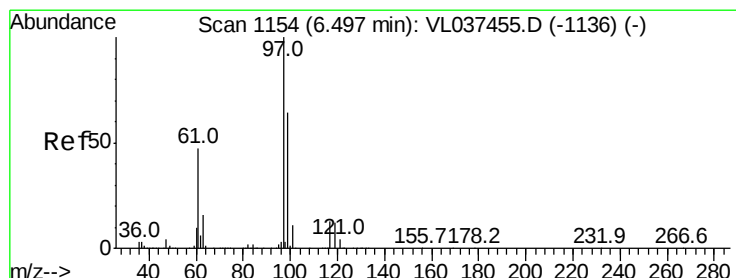
Tot Ion: 61 Resp: 1953308
 Ion Ratio Lower Upper
 61 100
 96 68.5 54.8 82.2
 98 44.3 34.2 51.2

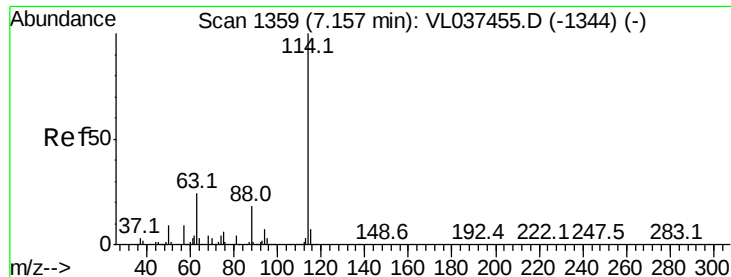


#32

1,1,1-Trichloroethane
 Concen: 9.039 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.02 min
 Lab File: VL037565.D
 Acq: 8 Sep 2021 10:19

Tgt Ion: 97 Resp: 2883942
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.8 77.6
 61 50.1 39.6 59.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

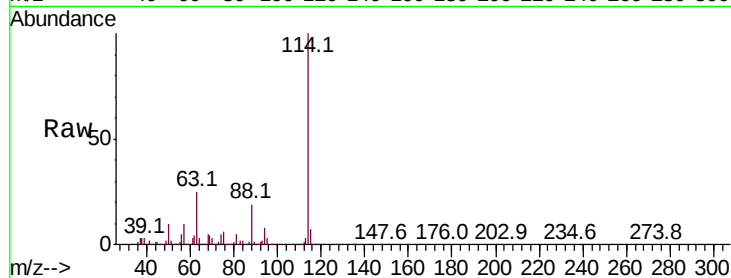
Tot Ion:114 Resp: 5235204

Ion Ratio Lower Upper

114 100

63 24.3 19.3 28.9

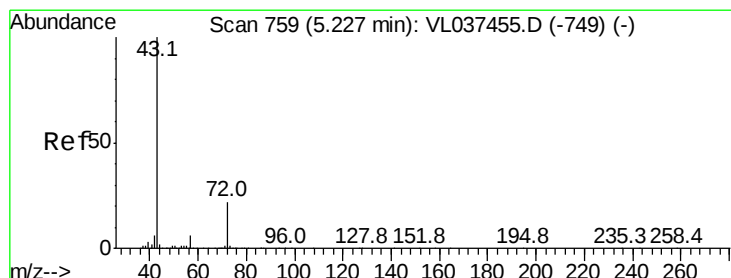
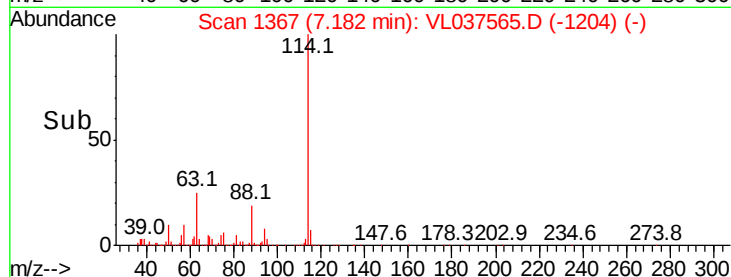
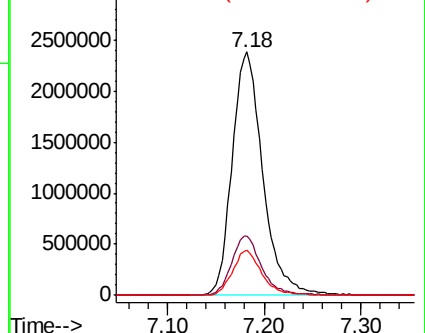
88 17.8 14.2 21.4



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: 9.231 ppbv

RT: 5.25 min Scan# 765

Delta R.T. 0.02 min

Lab File: VL037565.D

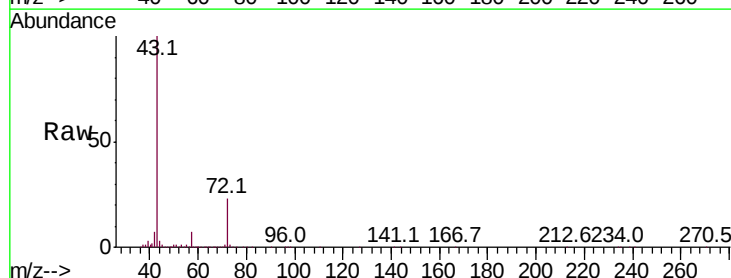
Acq: 8 Sep 2021 10:19

Tgt Ion: 43 Resp: 1973403

Ion Ratio Lower Upper

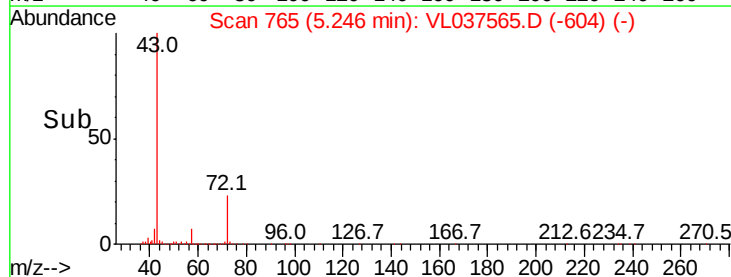
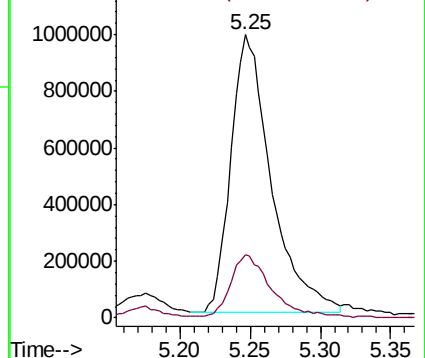
43 100

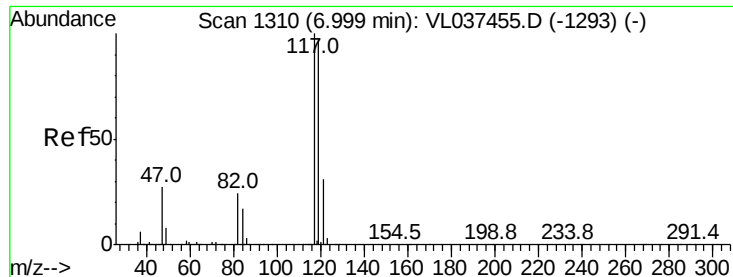
72 23.2 17.4 26.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.729 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

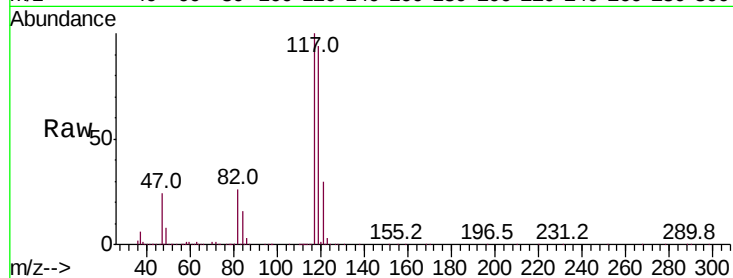
MSVOA_L

ClientSampleId :

VL0908ABS01

Tot Ion:117 Resp: 3010095

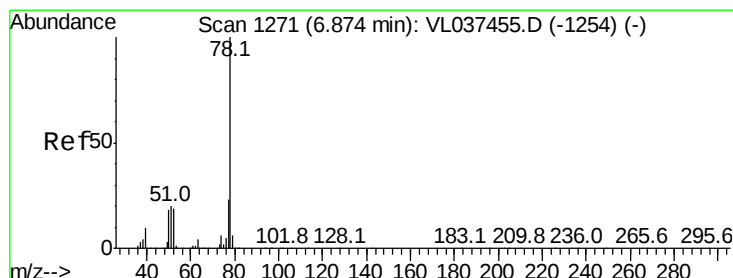
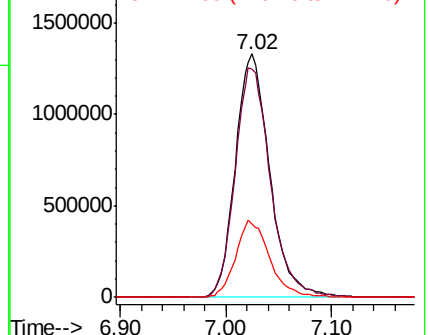
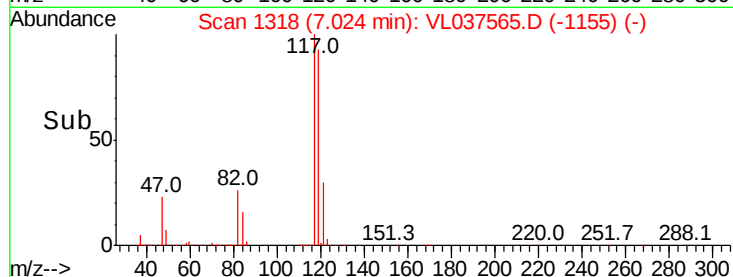
Ion	Ratio	Lower	Upper
117	100		
119	93.8	77.3	115.9
121	29.9	25.2	37.8



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: 9.973 ppbv

RT: 6.90 min Scan# 1278

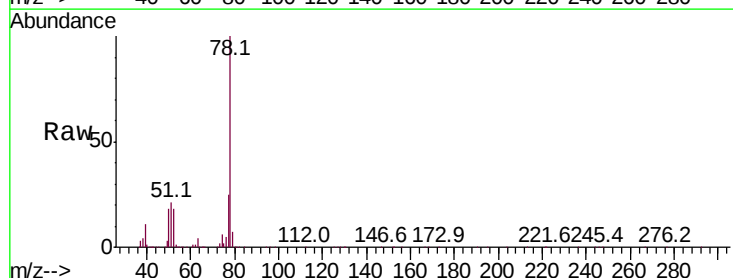
Delta R.T. 0.02 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Tgt Ion: 78 Resp: 4388910

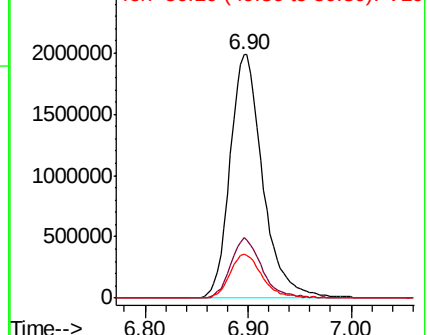
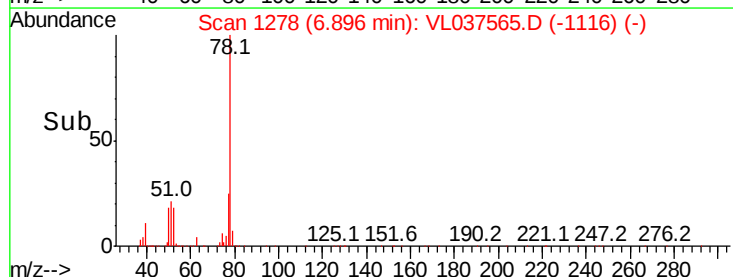
Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.2	27.4
50	17.8	14.6	21.8

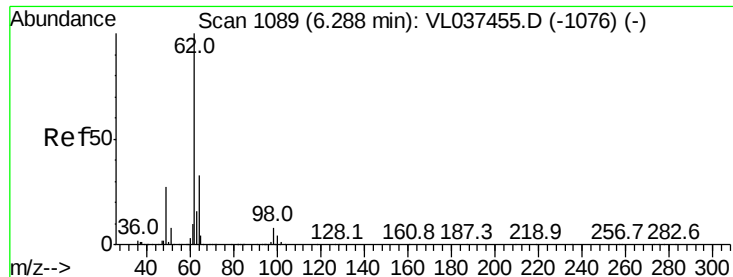


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.691 ppbv

RT: 6.31 min Scan# 1096

Delta R.T. 0.02 min

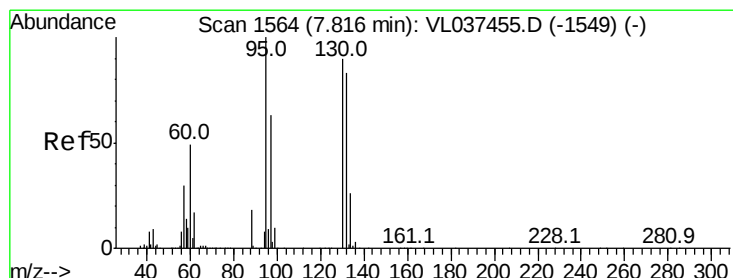
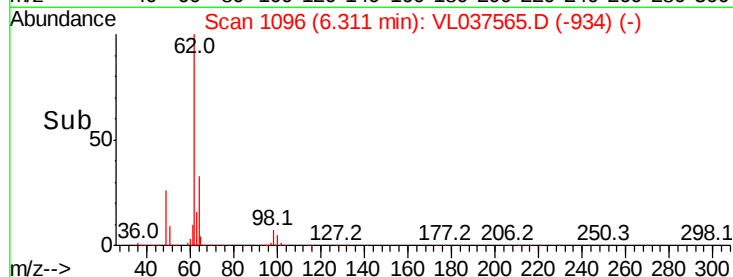
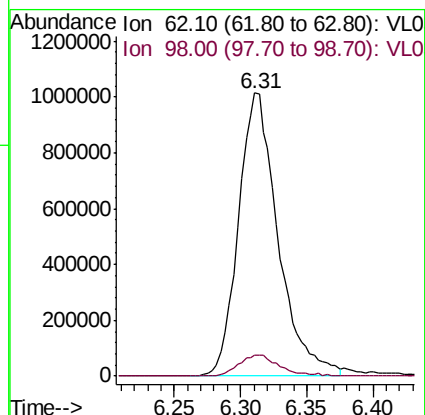
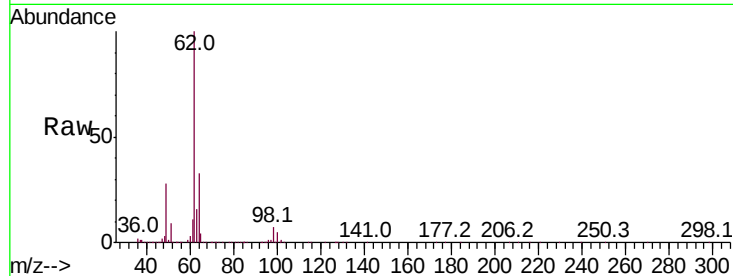
Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tot Ion: 62 Resp: 2112576

Ion	Ratio	Lower	Upper
62	100		
98	7.8	6.0	9.0



#38

Trichloroethene

Concen: 9.760 ppbv

RT: 7.84 min Scan# 1572

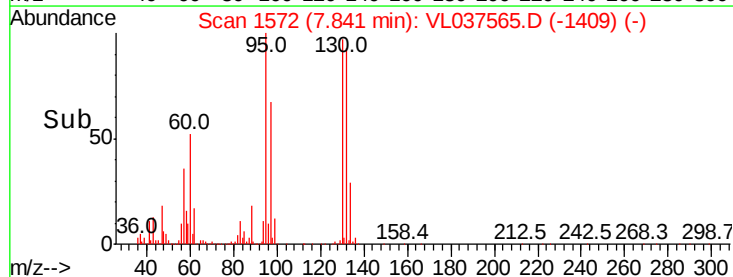
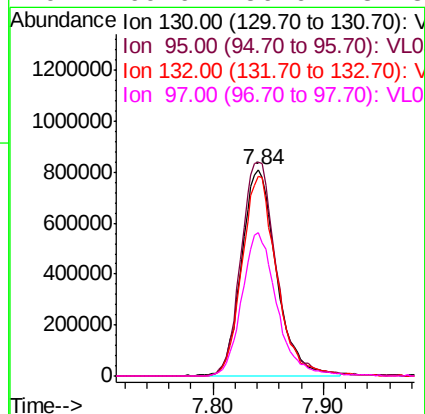
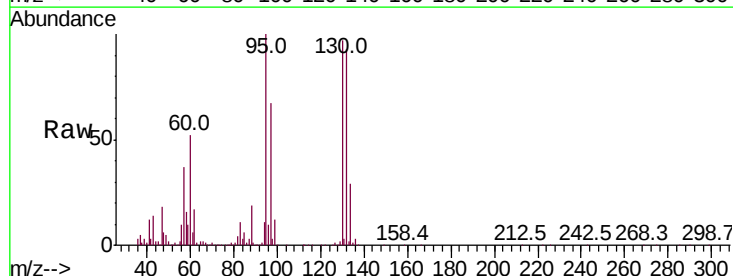
Delta R.T. 0.03 min

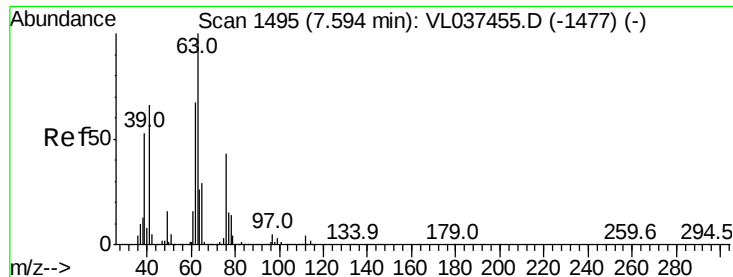
Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Tgt Ion:130 Resp: 1762411

Ion	Ratio	Lower	Upper
130	100		
95	103.8	89.2	133.8
132	97.0	74.0	111.0
97	69.6	56.6	84.8





#39

1,2-Dichloropropane

Concen: 9.960 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

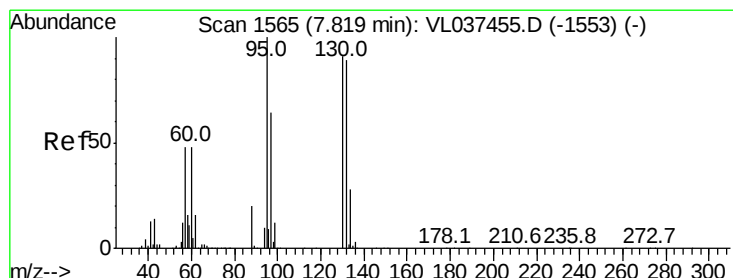
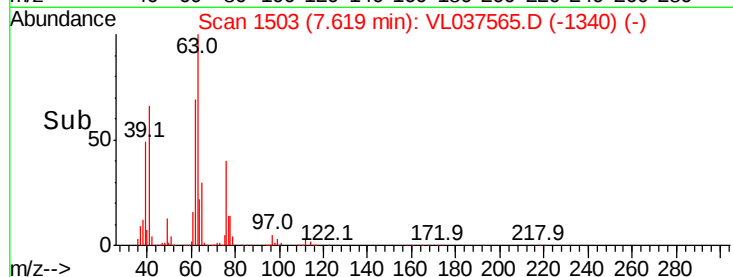
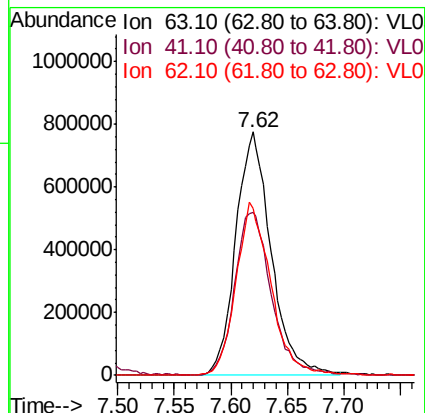
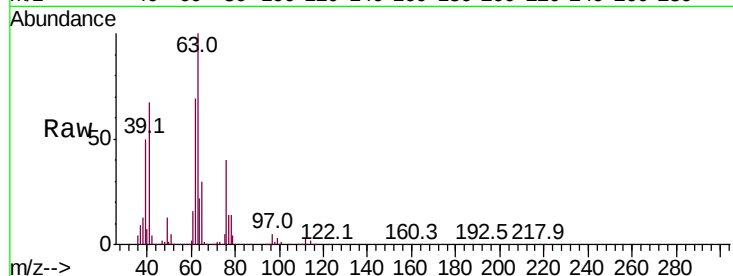
Tot Ion: 63 Resp: 1684272

Ion Ratio Lower Upper

63 100

41 66.8 52.4 78.6

62 68.7 53.6 80.4



#40

1,4-Dioxane

Concen: 10.475 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.02 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Tgt Ion: 88 Resp: 433984

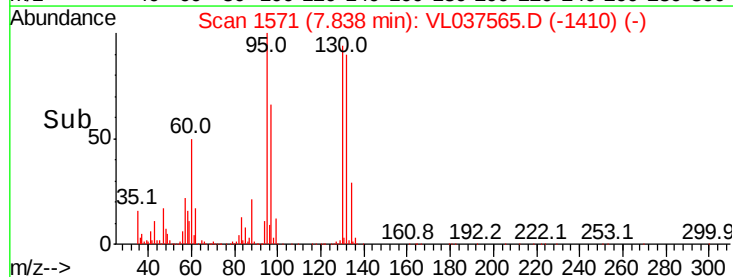
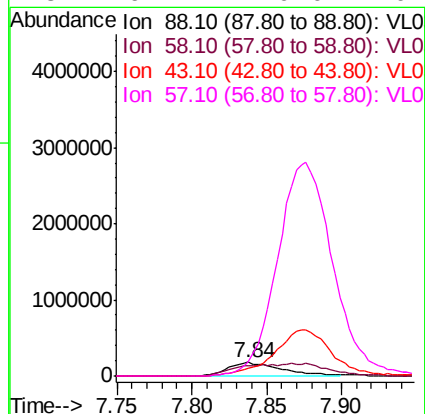
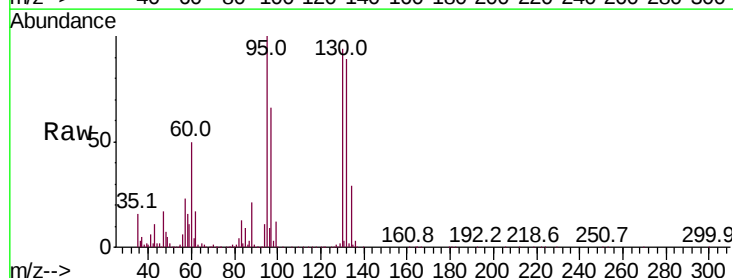
Ion Ratio Lower Upper

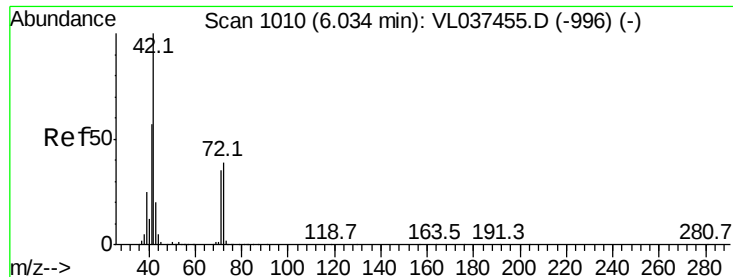
88 100

58 156.8 0.0 0.0#

43 375.9 0.0 0.0#

57 1677.2 0.0 0.0#





#41

Tetrahydrofuran

Concen: 10.370 ppbv

RT: 6.06 min Scan# 1017

Delta R.T. 0.02 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

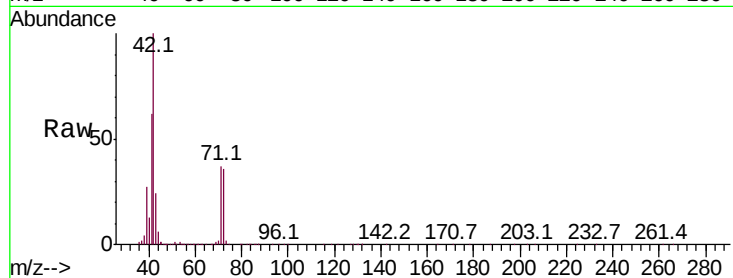
Tot Ion: 42 Resp: 1067973

Ion Ratio Lower Upper

42 100

72 38.6 32.2 48.4

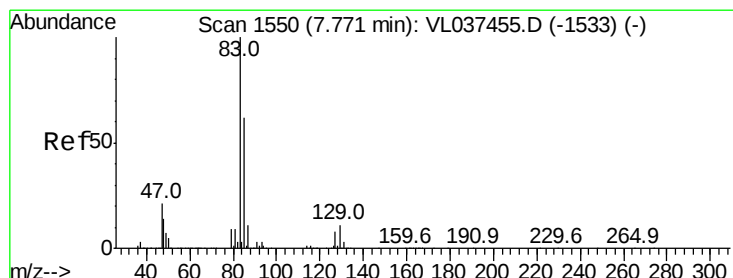
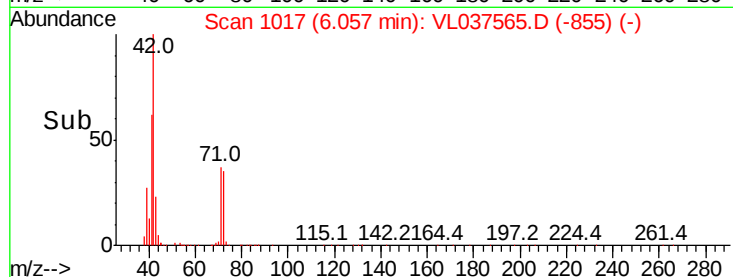
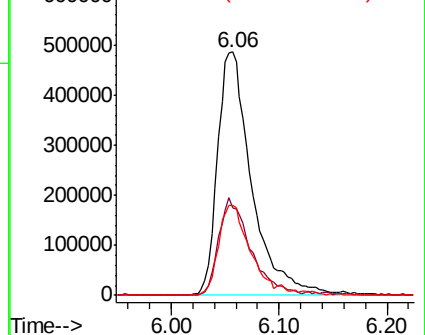
71 36.5 30.5 45.7



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.002 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

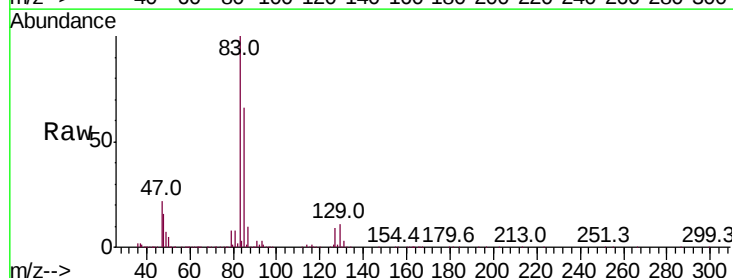
Tgt Ion: 83 Resp: 3188266

Ion Ratio Lower Upper

83 100

85 65.7 49.5 74.3

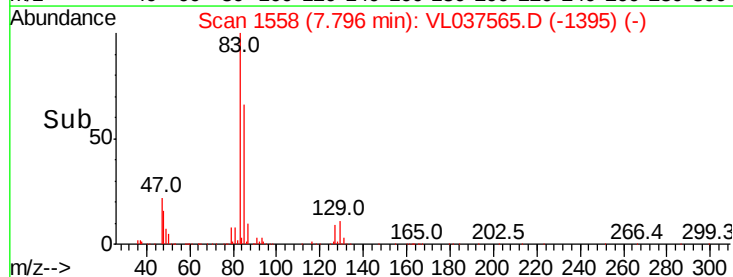
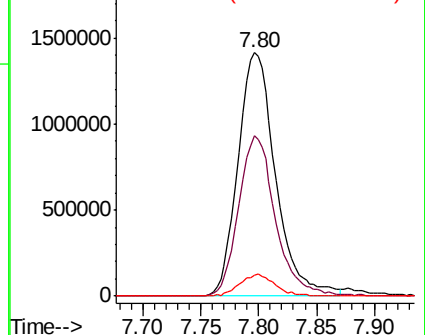
127 8.8 6.3 9.5

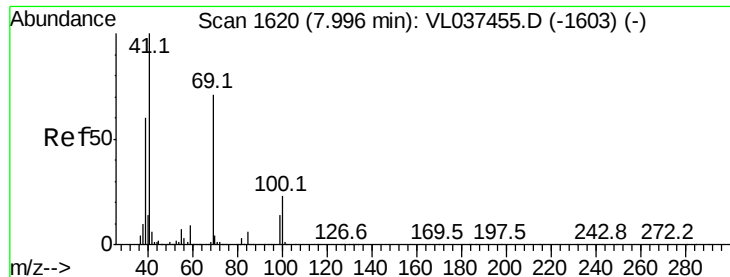


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

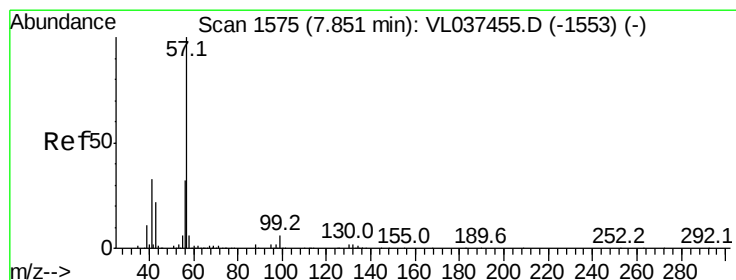
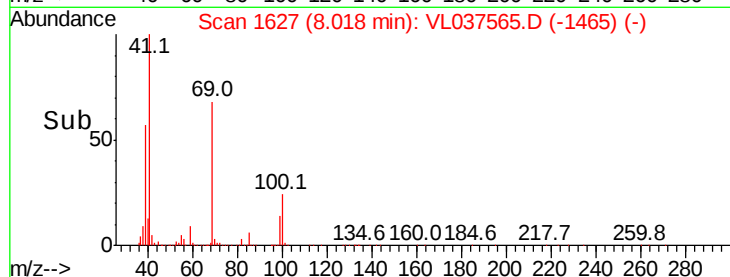
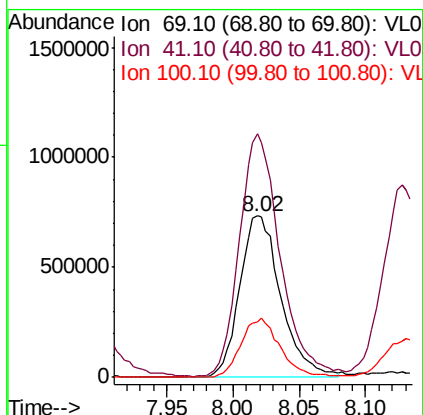
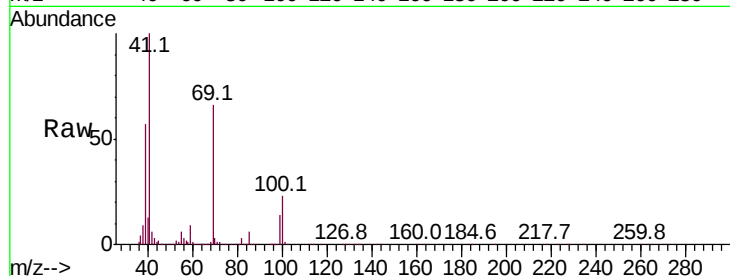




#43
Methvl Methacrilate
Concen: 10.315 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.02 min
Lab File: VL037565.D
Acq: 8 Sep 2021 10:19

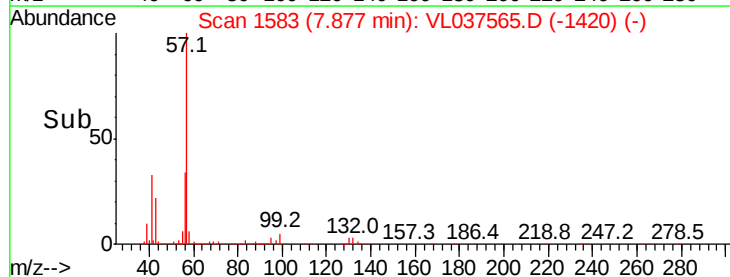
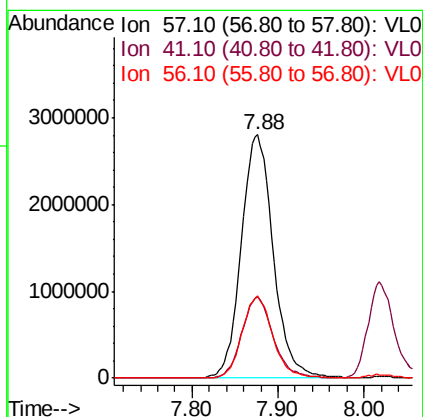
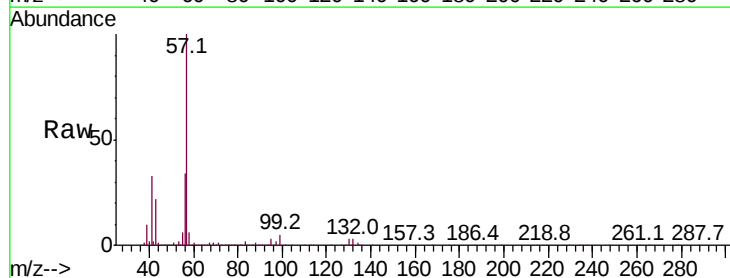
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

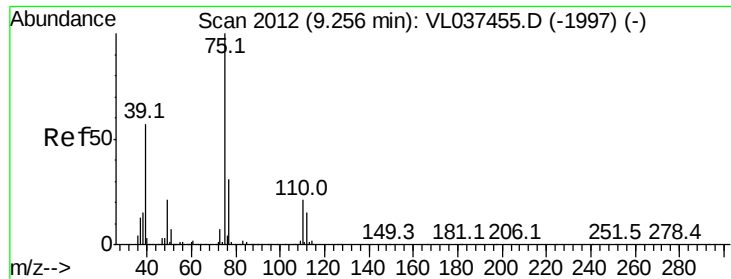
Tot Ion: 69 Resp: 1582262
Ion Ratio Lower Upper
69 100
41 149.8 118.6 178.0
100 34.8 27.4 41.0



#44
2,2,4-Trimethylpentane
Concen: 9.810 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.03 min
Lab File: VL037565.D
Acq: 8 Sep 2021 10:19

Tgt Ion: 57 Resp: 7265985
Ion Ratio Lower Upper
57 100
41 32.6 26.2 39.4
56 32.3 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 12.051 ppbv

RT: 9.28 min Scan# 2020

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

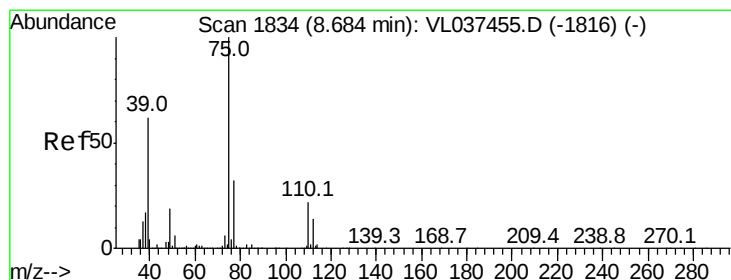
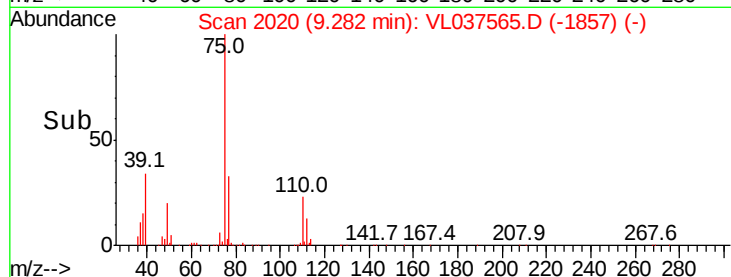
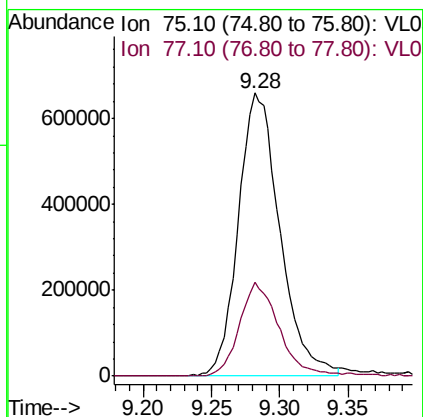
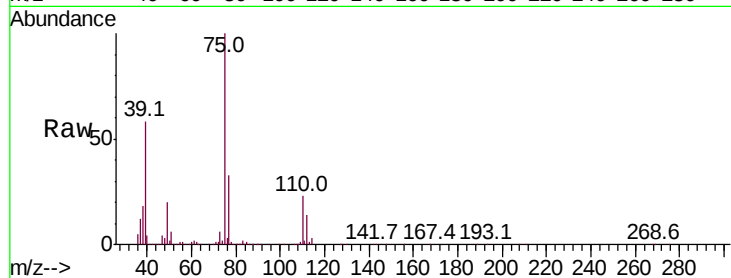
VL0908ABS01

Tot Ion: 75 Resp: 1391510

Ion Ratio Lower Upper

75 100

77 33.1 24.5 36.7



#46

cis-1,3-Dichloropropene

Concen: 11.210 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

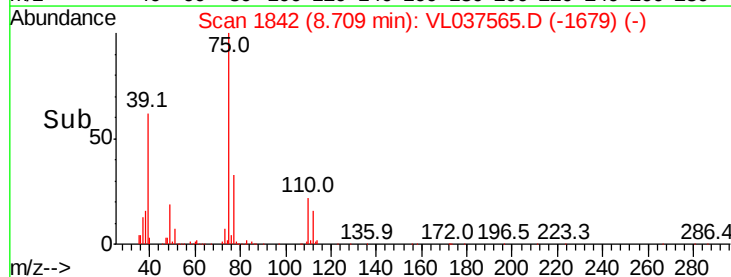
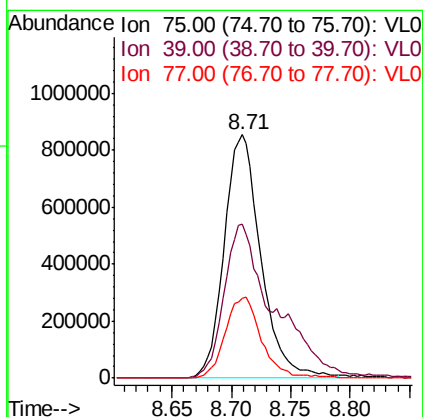
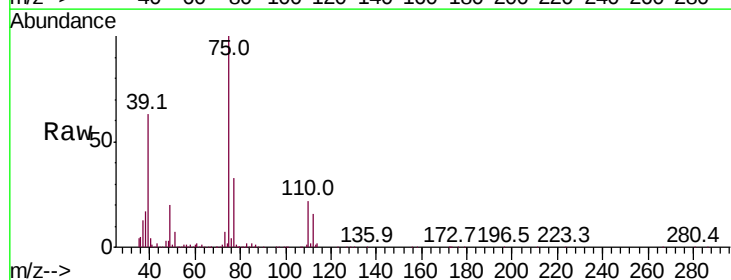
Tgt Ion: 75 Resp: 1805712

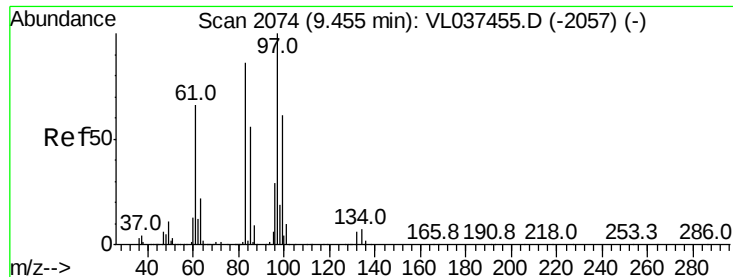
Ion Ratio Lower Upper

75 100

39 63.1 49.7 74.5

77 32.7 25.4 38.0

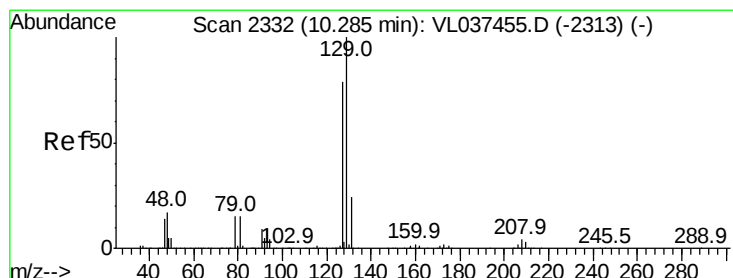
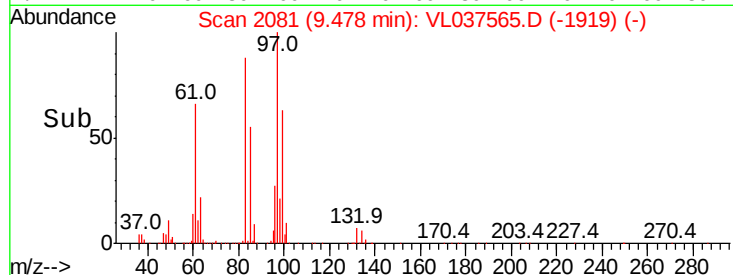
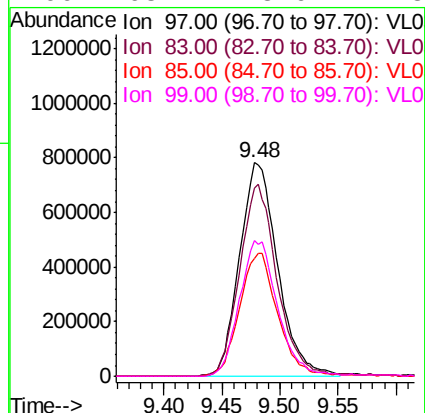
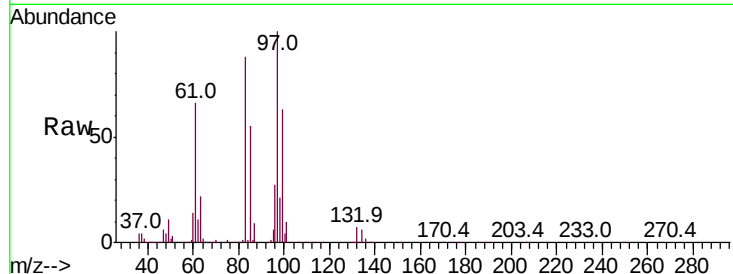




#47
 1,1,2-Trichloroethane
 Concen: 9.821 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. 0.02 min
 Lab File: VL037565.D
 Acq: 8 Sep 2021 10:19

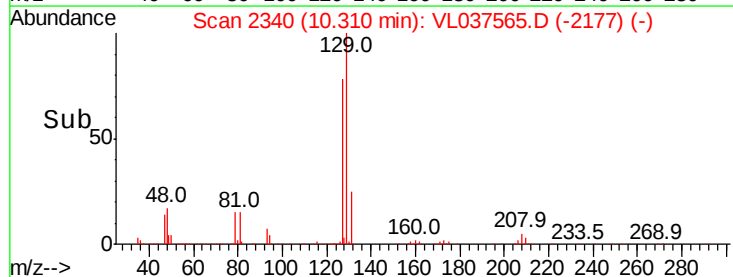
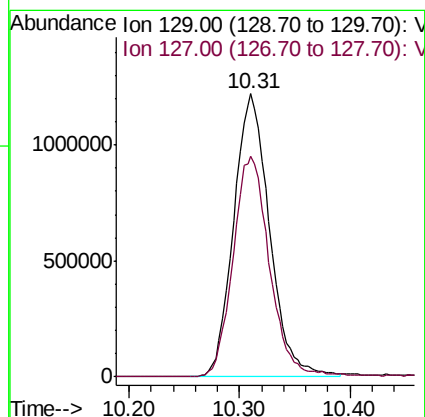
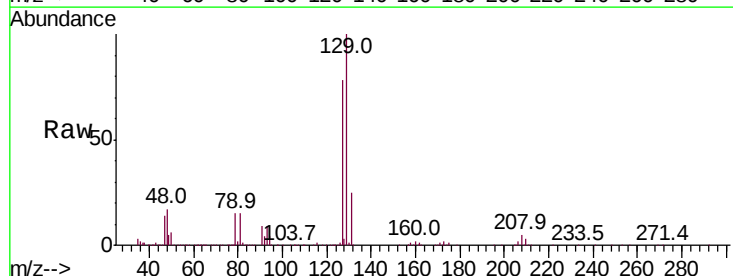
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABS01

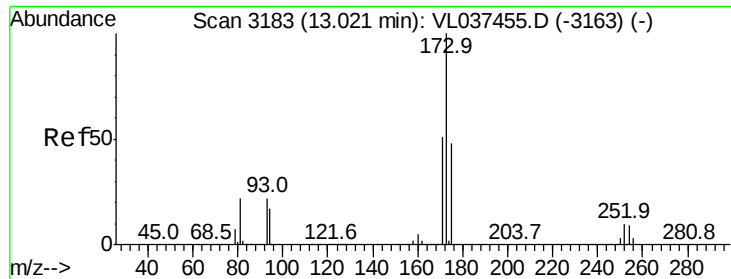
Tot Ion: 97 Resp: 1794544
 Ion Ratio Lower Upper
 97 100
 83 88.2 68.7 103.1
 85 54.8 44.7 67.1
 99 63.2 48.6 72.8



#48
 Dibromochloromethane
 Concen: 10.474 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. 0.03 min
 Lab File: VL037565.D
 Acq: 8 Sep 2021 10:19

Tgt Ion: 129 Resp: 2754288
 Ion Ratio Lower Upper
 129 100
 127 80.4 40.0 120.0





#49

Bromoform

Concen: 10.621 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

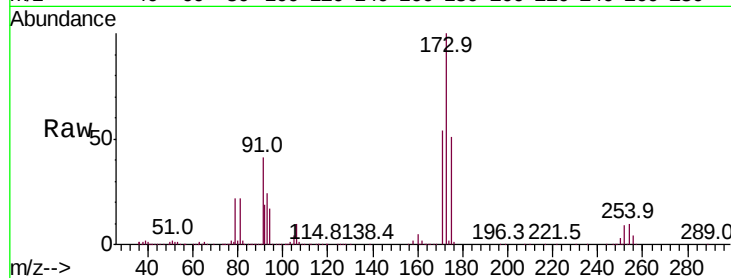
Tot Ion:173 Resp: 2201430

Ion Ratio Lower Upper

173 100

175 52.5 41.9 62.9

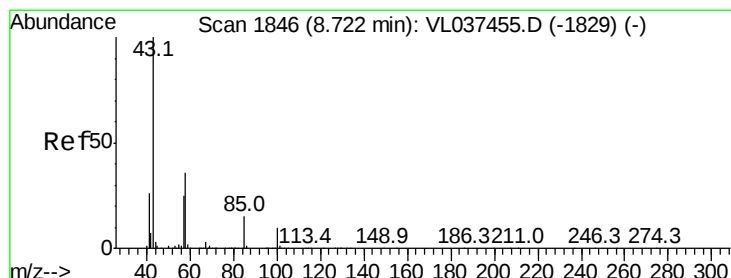
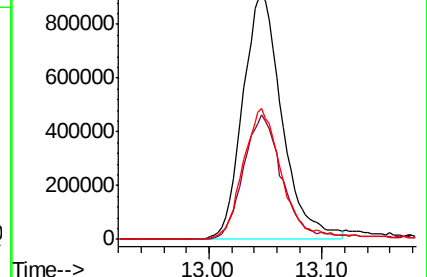
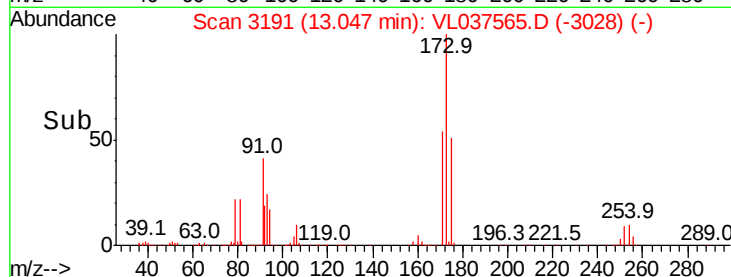
171 55.5 44.2 66.4



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: 10.499 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.03 min

Lab File: VL037565.D

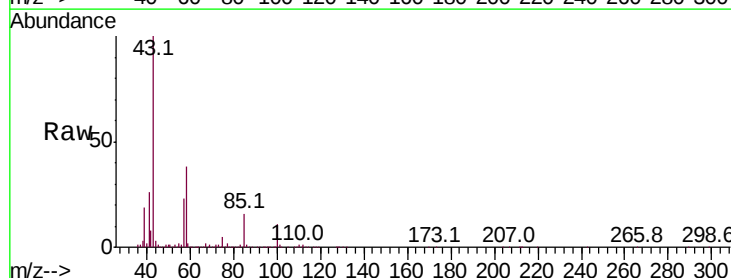
Acq: 8 Sep 2021 10:19

Tgt Ion: 43 Resp: 2928027

Ion Ratio Lower Upper

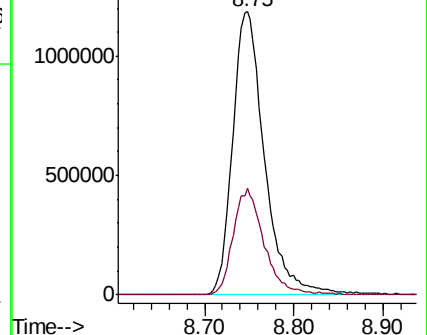
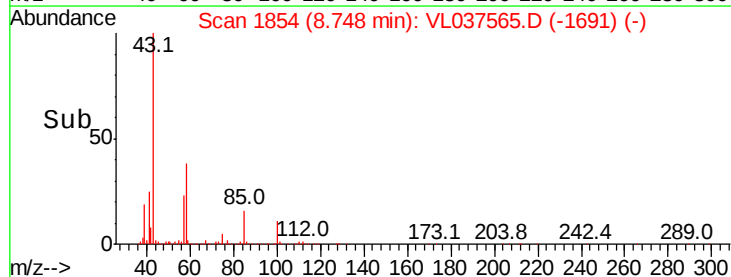
43 100

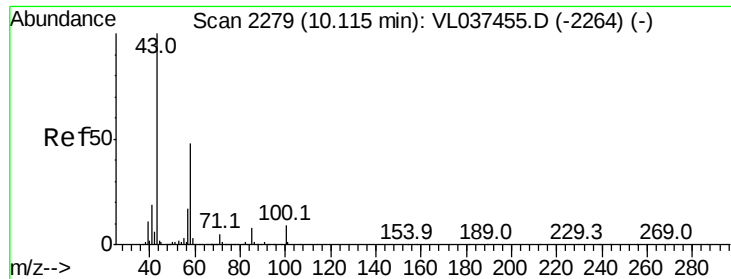
58 36.8 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.811 ppbv

RT: 10.14 min Scan# 2286

Delta R.T. 0.02 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

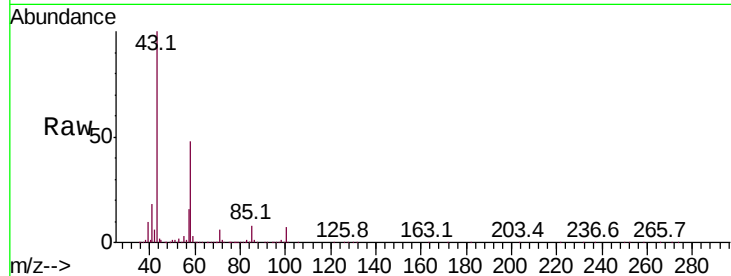
Tot Ion: 43 Resp: 1386929

Ion Ratio Lower Upper

43 100

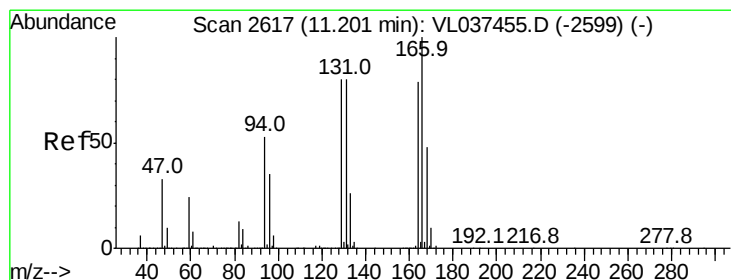
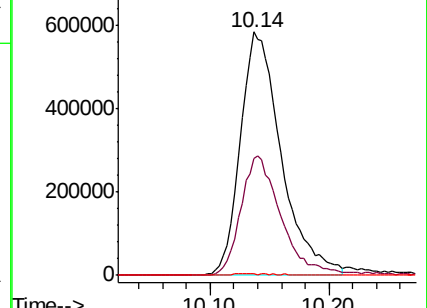
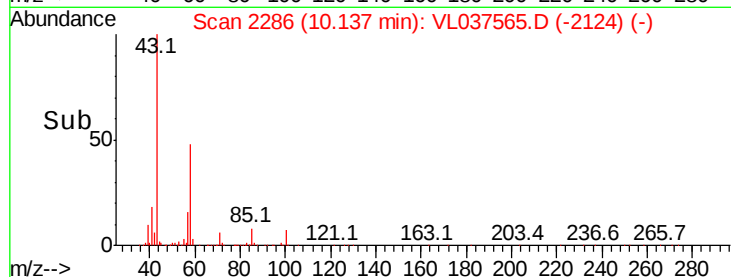
58 49.1 41.0 61.6

98 0.9 0.3 0.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

10.14



#52

Tetrachloroethene

Concen: 8.900 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Tgt Ion: 164 Resp: 1605030

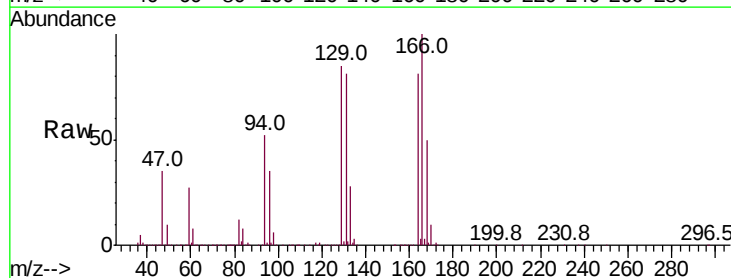
Ion Ratio Lower Upper

164 100

166 123.0 100.7 151.1

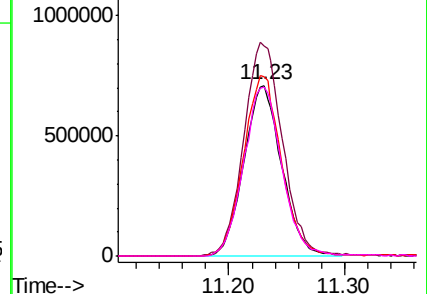
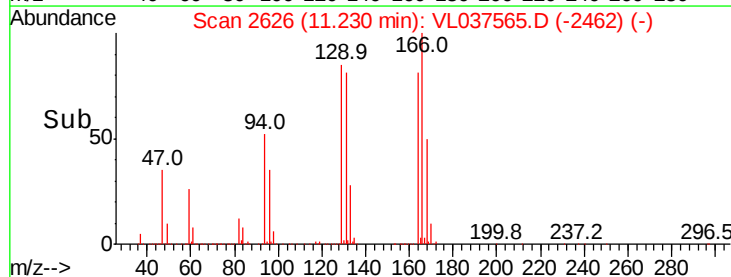
129 104.9 80.9 121.3

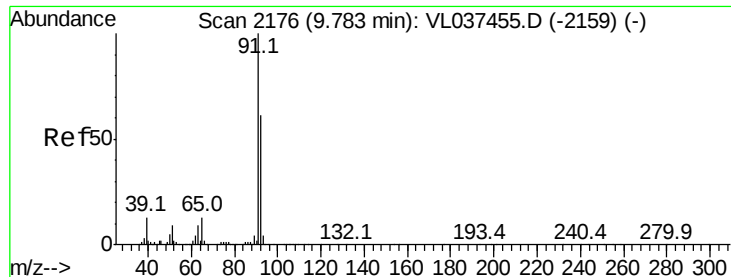
131 99.5 80.2 120.4



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V

11.23





#53

Toluene

Concen: 10.055 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

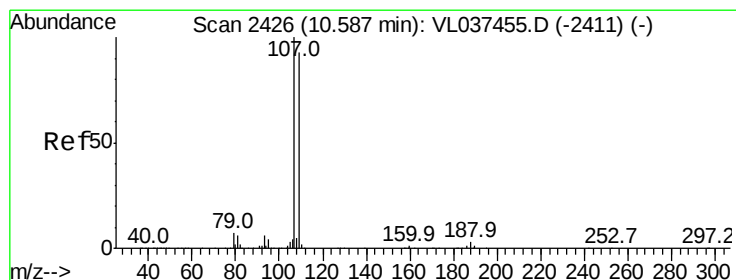
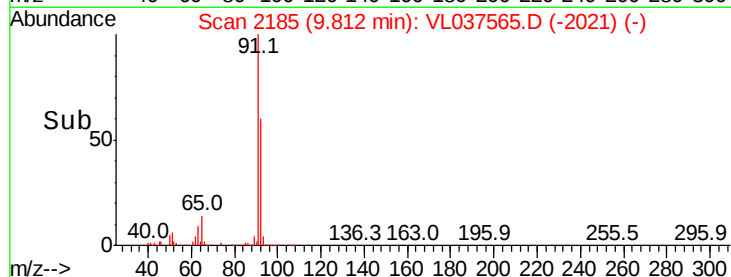
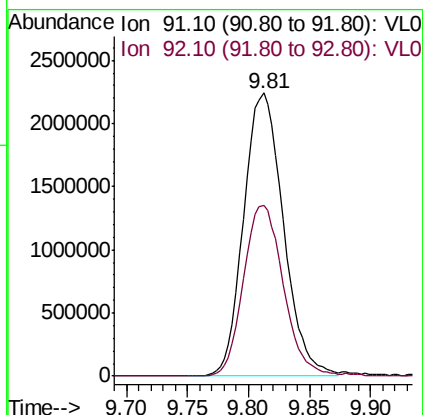
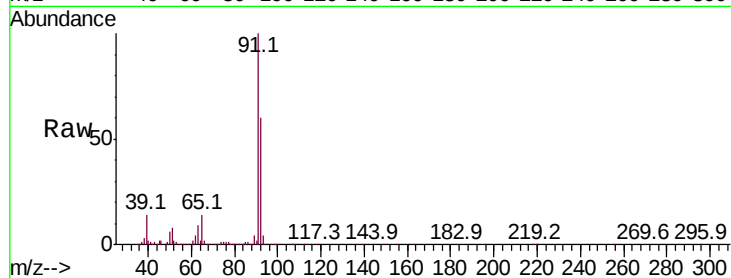
VL0908ABS01

Tot Ion: 91 Resp: 5052864

Ion Ratio Lower Upper

91 100

92 60.9 48.8 73.2



#54

1,2-Dibromoethane

Concen: 9.894 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.03 min

Lab File: VL037565.D

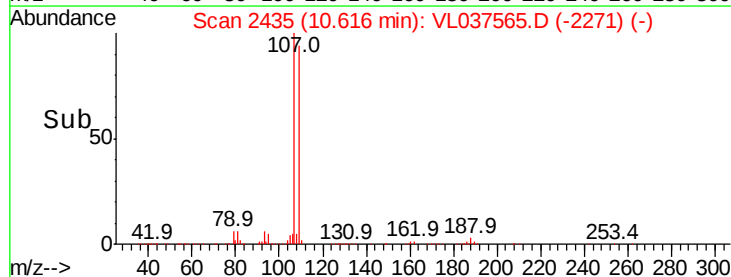
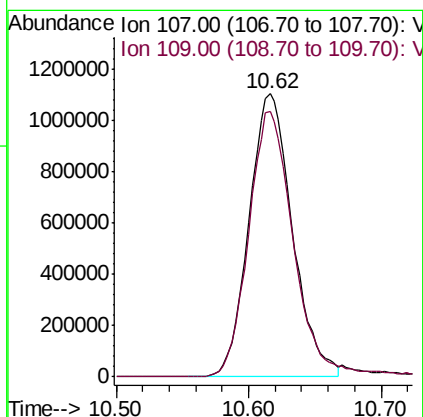
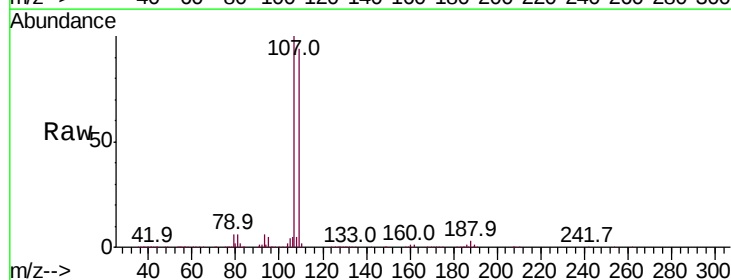
Acq: 8 Sep 2021 10:19

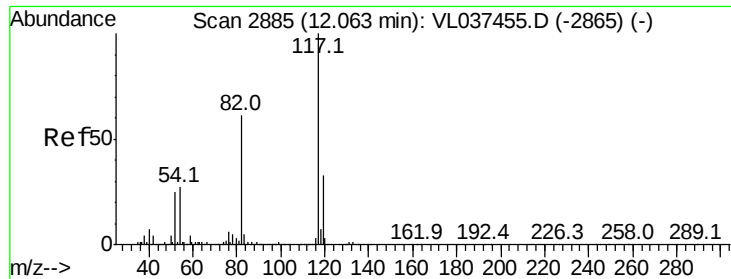
Tgt Ion: 107 Resp: 2523969

Ion Ratio Lower Upper

107 100

109 93.5 74.2 111.4

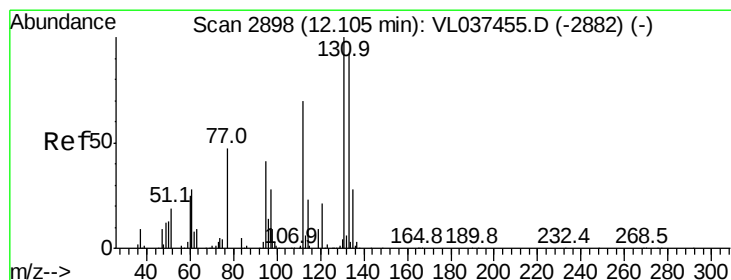
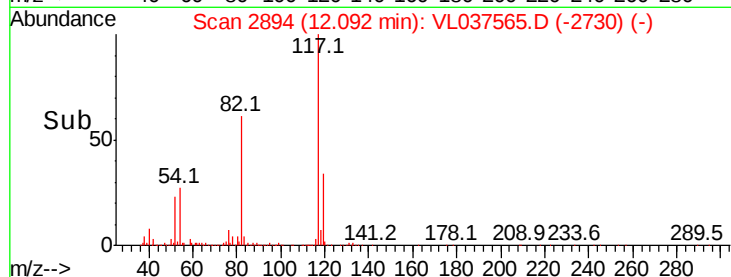
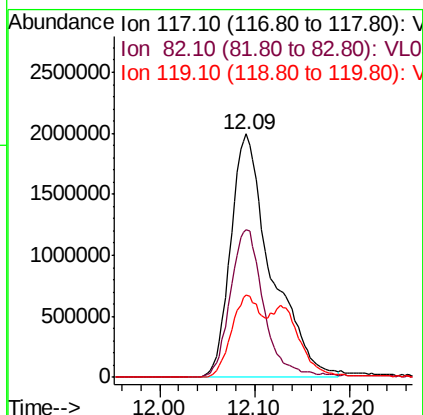
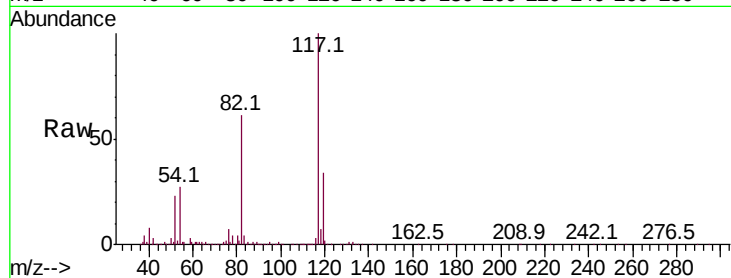




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. 0.03 min
Lab File: VL037565.D
Acq: 8 Sep 2021 10:19

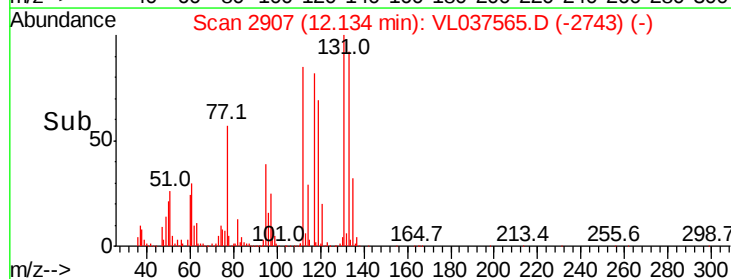
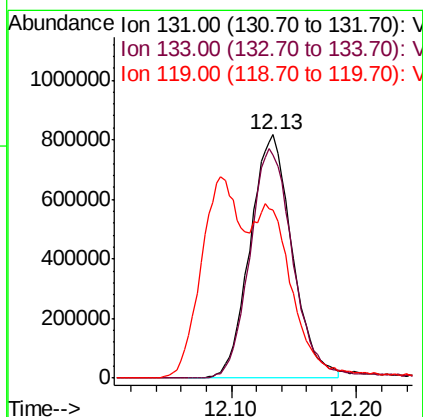
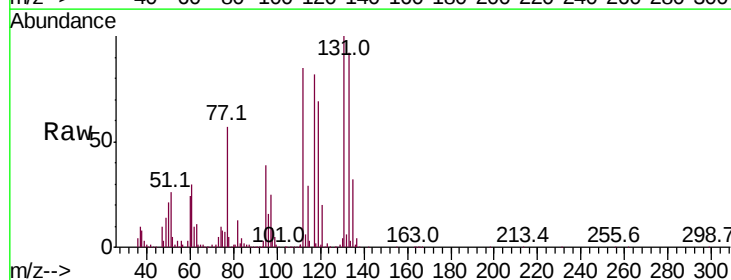
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

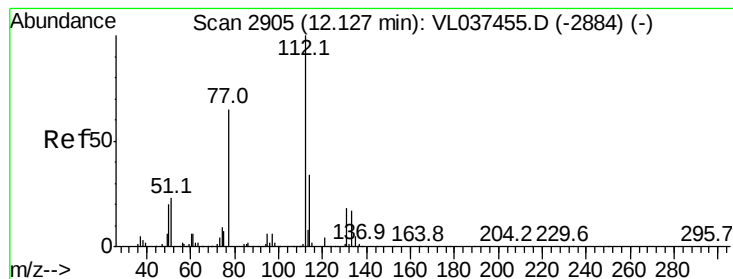
Tot Ion:117 Resp: 5940984
Ion Ratio Lower Upper
117 100
82 51.3 52.9 79.3#
119 26.3 24.8 37.2



#56
1,1,1,2-Tetrachloroethane
Concen: 7.691 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.03 min
Lab File: VL037565.D
Acq: 8 Sep 2021 10:19

Tgt Ion:131 Resp: 1903955
Ion Ratio Lower Upper
131 100
133 99.3 78.7 118.1
119 67.6 56.6 85.0





#57

Chlorobenzene

Concen: 7.480 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. 0.02 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

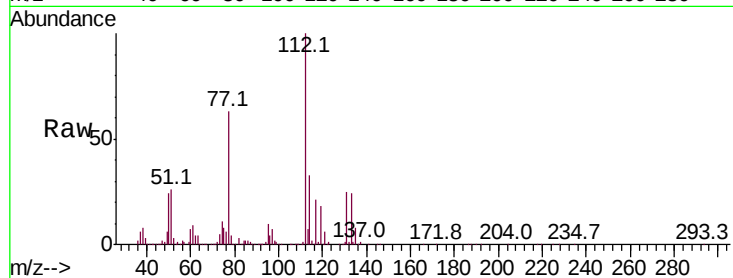
Tot Ion:112 Resp: 3687709

Ion Ratio Lower Upper

112 100

77 62.2 51.6 77.4

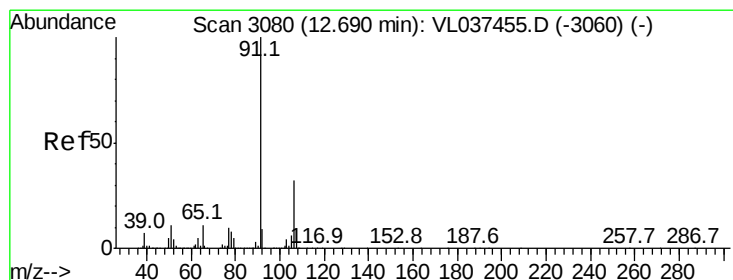
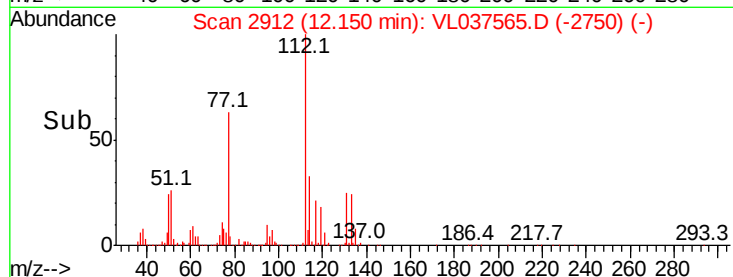
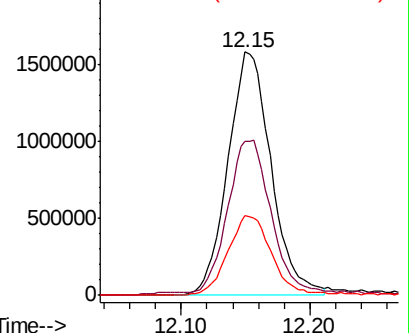
114 32.6 30.7 37.5



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: 7.809 ppbv

RT: 12.72 min Scan# 3088

Delta R.T. 0.03 min

Lab File: VL037565.D

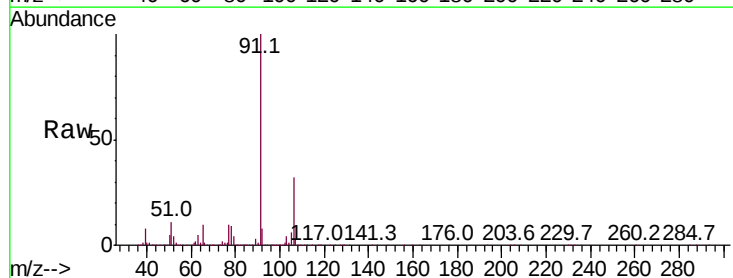
Acq: 8 Sep 2021 10:19

Tgt Ion: 91 Resp: 6437806

Ion Ratio Lower Upper

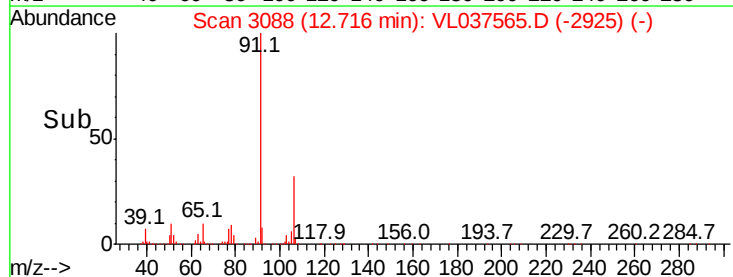
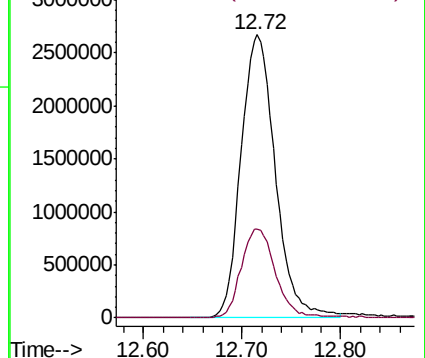
91 100

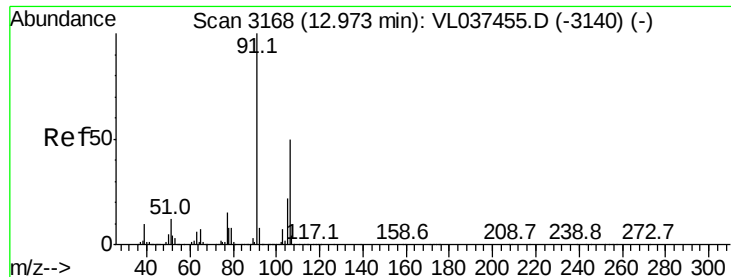
106 31.6 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

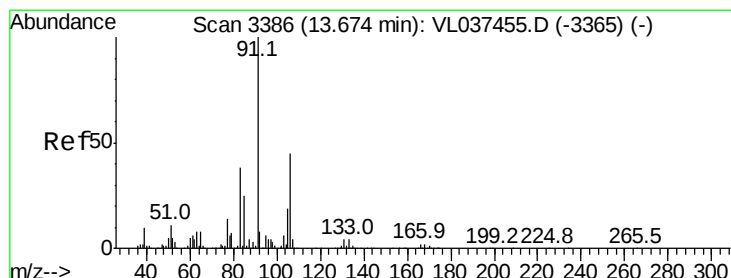
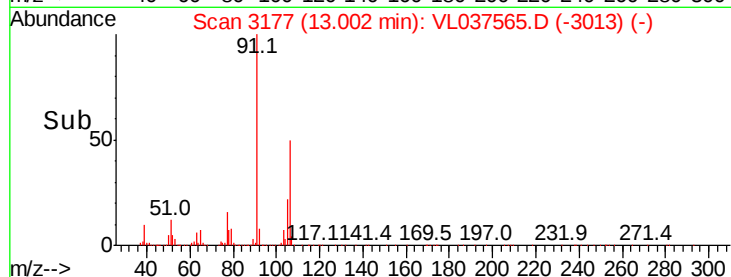
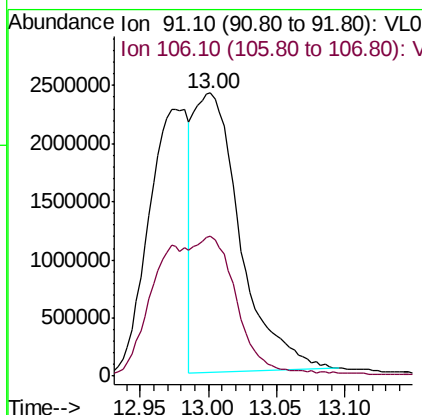
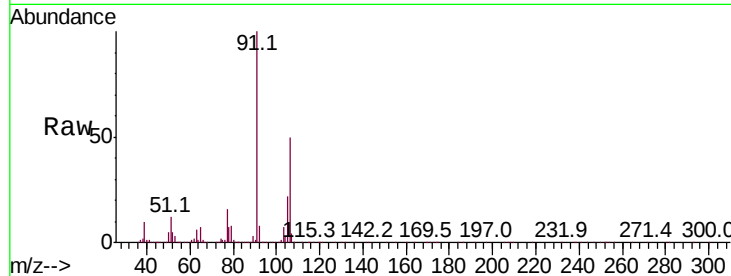




#59
m/p-Xylene
Concen: 7.964 ppbv
RT: 13.00 min Scan# 3177
Delta R.T. 0.03 min
Lab File: VL037565.D
Acq: 8 Sep 2021 10:19

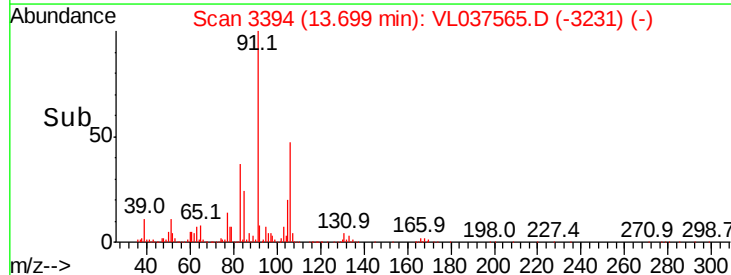
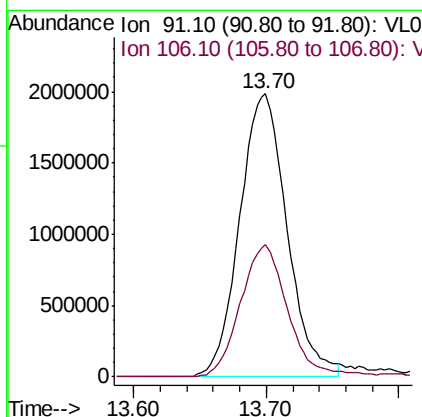
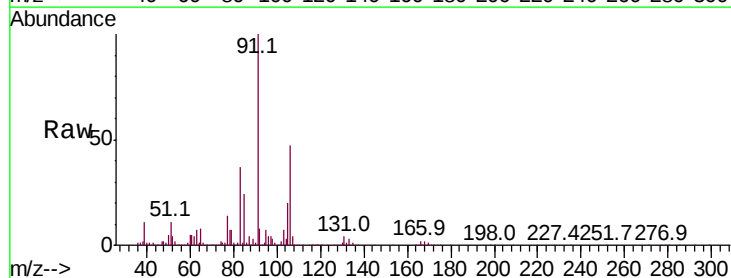
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

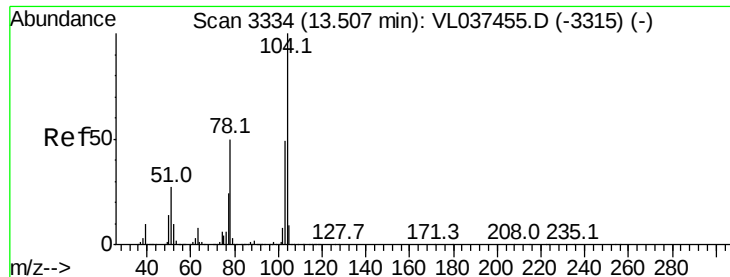
Tot Ion: 91 Resp: 5692411
Ion Ratio Lower Upper
91 100
106 88.3 36.9 55.3#



#60
o-Xylene
Concen: 7.366 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.03 min
Lab File: VL037565.D
Acq: 8 Sep 2021 10:19

Tgt Ion: 91 Resp: 4913839
Ion Ratio Lower Upper
91 100
106 48.2 23.7 71.1





#61

Stvrene

Concen: 8.280 ppbv

RT: 13.53 min Scan# 3342

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

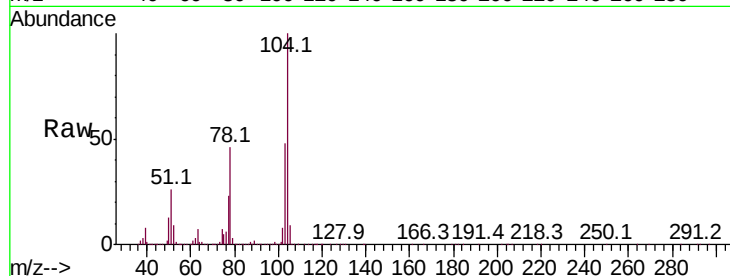
Tot Ion:104 Resp: 2869349

Ion Ratio Lower Upper

104 100

78 49.9 41.3 61.9

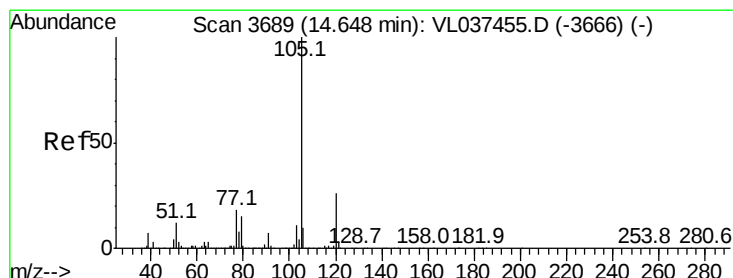
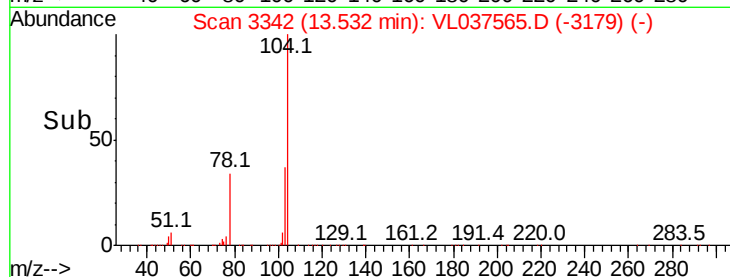
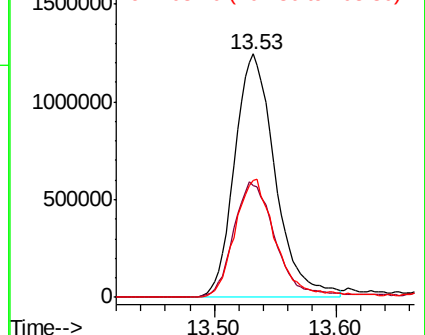
103 49.3 39.4 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.320 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. 0.02 min

Lab File: VL037565.D

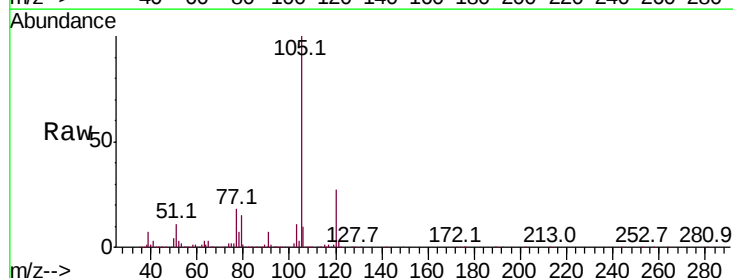
Acq: 8 Sep 2021 10:19

Tgt Ion:105 Resp: 6891600

Ion Ratio Lower Upper

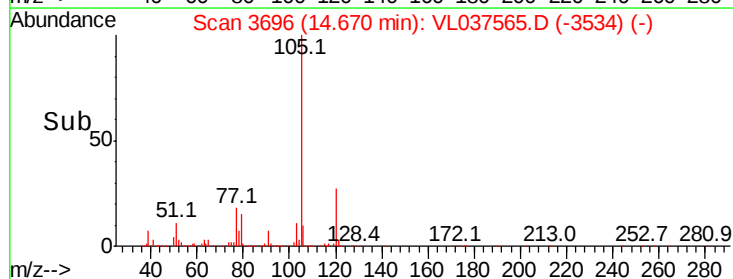
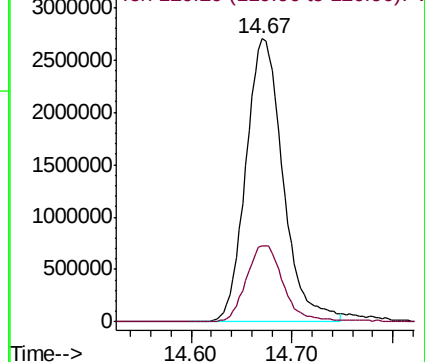
105 100

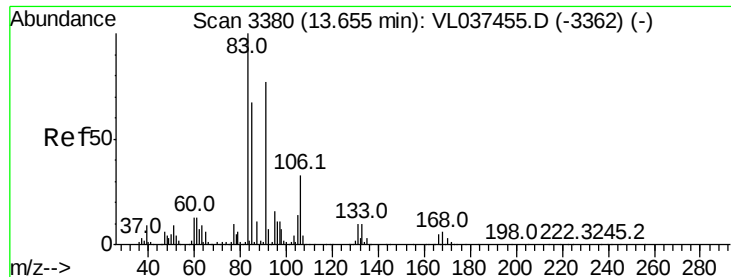
120 27.5 21.5 32.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.214 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

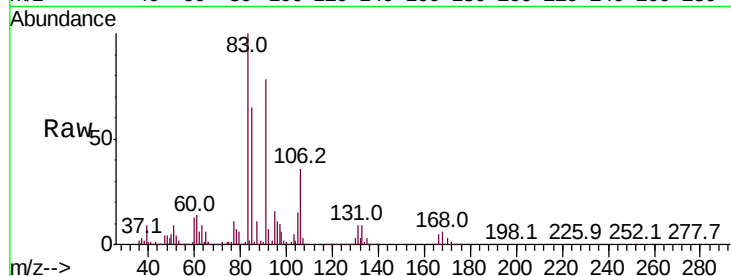
Tot Ion: 83 Resp: 3576765

Ion Ratio Lower Upper

83 100

131 10.0 5.0 15.0

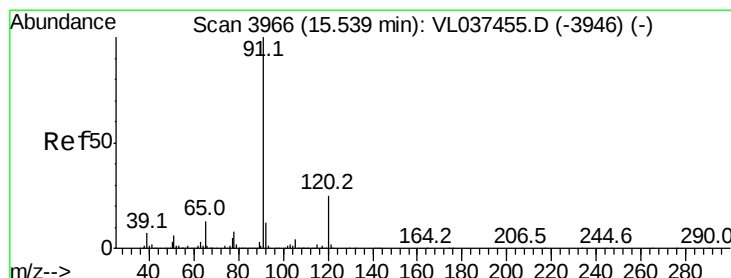
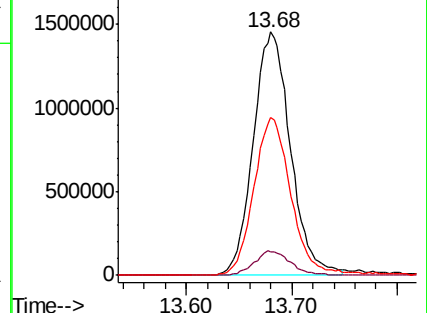
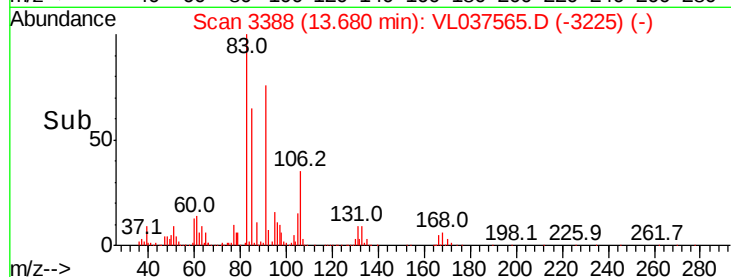
85 65.8 33.8 101.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.698 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. 0.03 min

Lab File: VL037565.D

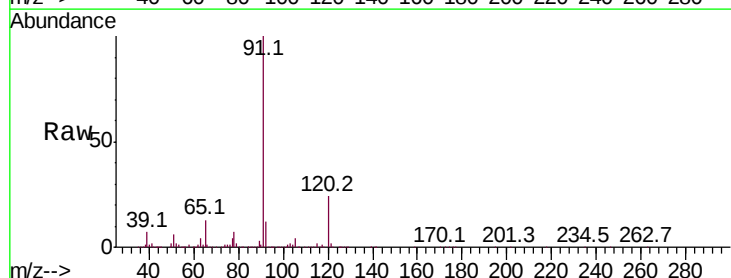
Acq: 8 Sep 2021 10:19

Tgt Ion:120 Resp: 1844512

Ion Ratio Lower Upper

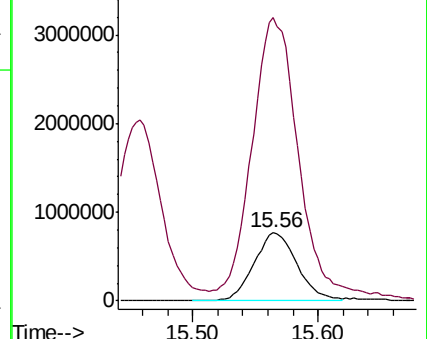
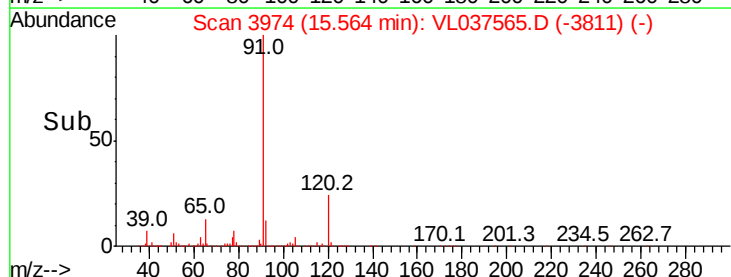
120 100

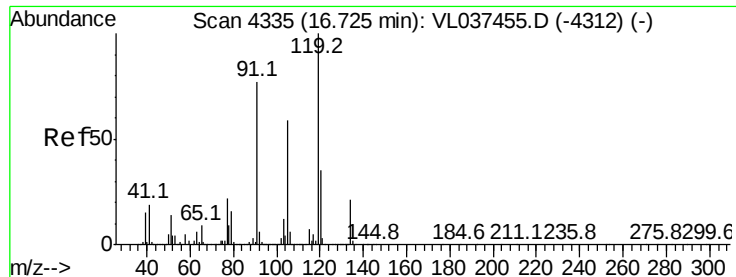
91 458.9 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

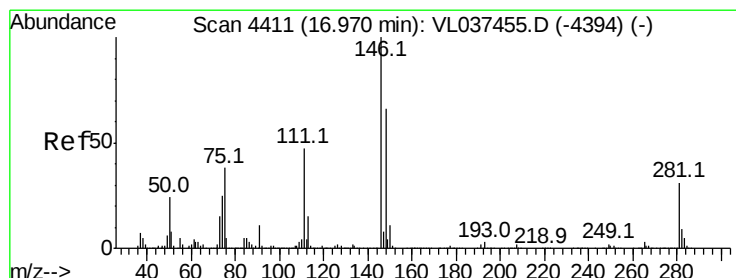
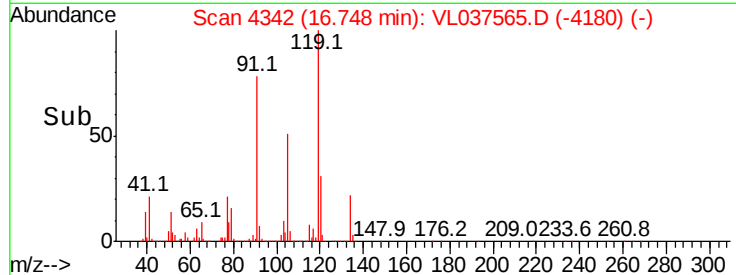
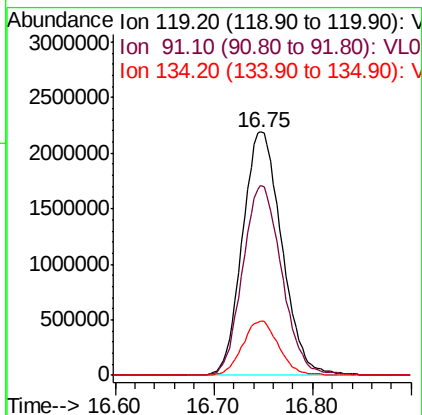
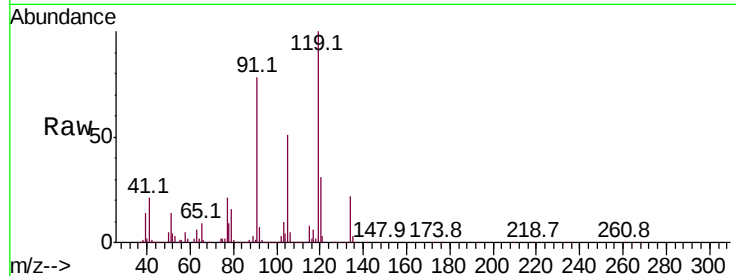




#65
tert-Butylbenzene
Concen: 7.031 ppbv
RT: 16.75 min Scan# 4342
Delta R.T. 0.02 min
Lab File: VL037565.D
Acq: 8 Sep 2021 10:19

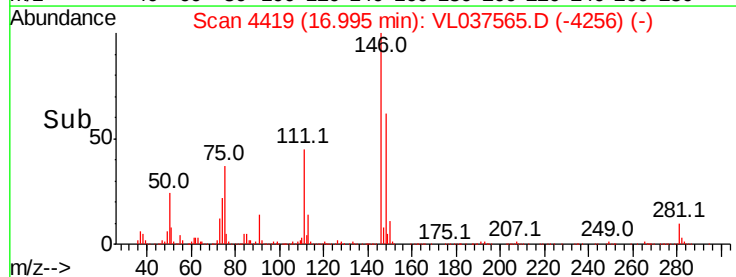
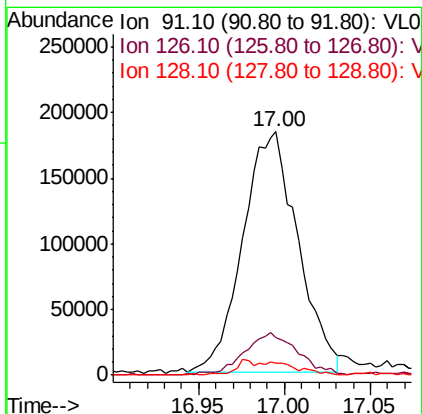
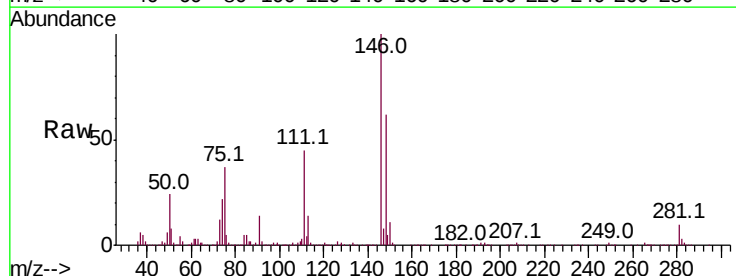
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

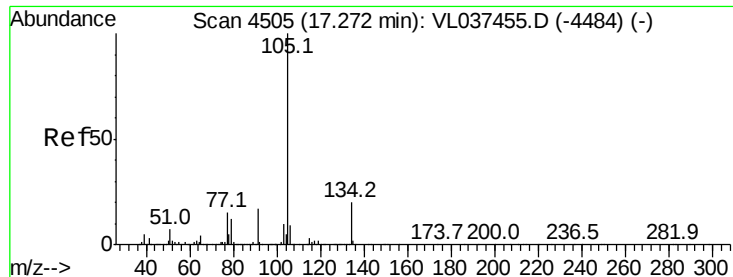
Tot Ion:119 Resp: 6028506
Ion Ratio Lower Upper
119 100
91 77.9 62.9 94.3
134 20.8 16.4 24.6



#66
Benzyl Chloride
Concen: 10.438 ppbv
RT: 17.00 min Scan# 4419
Delta R.T. 0.03 min
Lab File: VL037565.D
Acq: 8 Sep 2021 10:19

Tgt Ion: 91 Resp: 404869
Ion Ratio Lower Upper
91 100
126 17.7 15.9 23.9
128 5.8 5.4 8.0

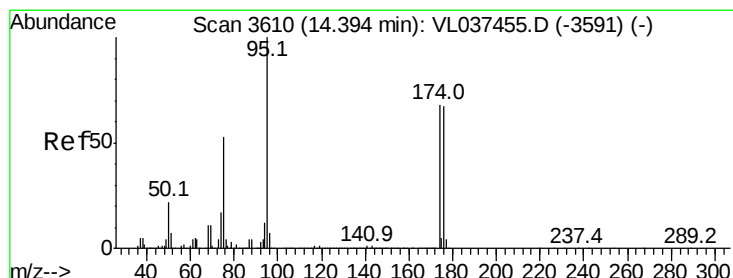
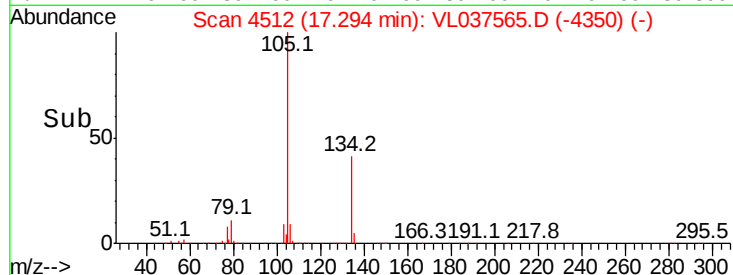
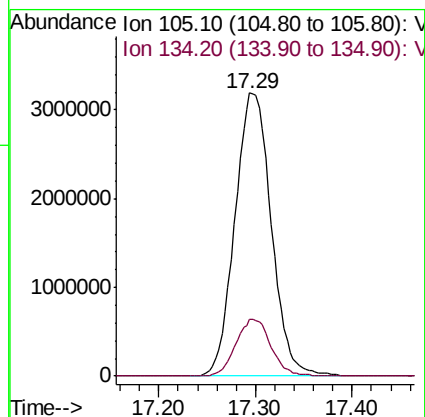
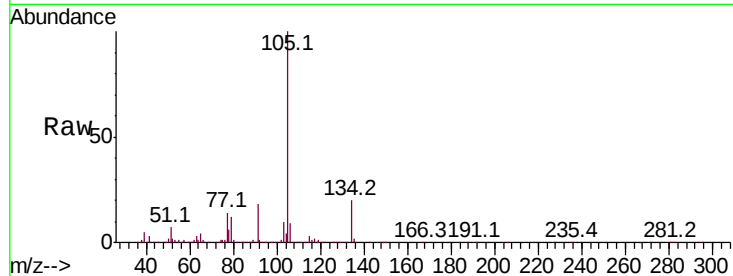




#67
 sec-Butylbenzene
 Concen: 6.937 ppbv
 RT: 17.29 min Scan# 4512
 Delta R.T. 0.02 min
 Lab File: VL037565.D
 Acq: 8 Sep 2021 10:19

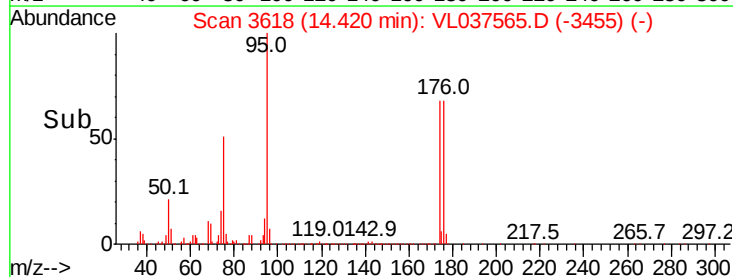
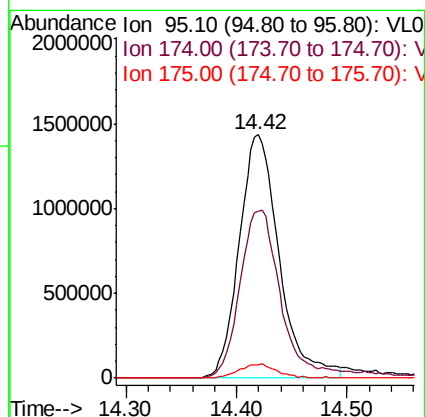
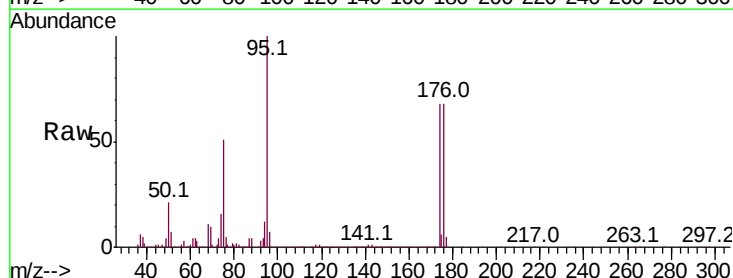
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABS01

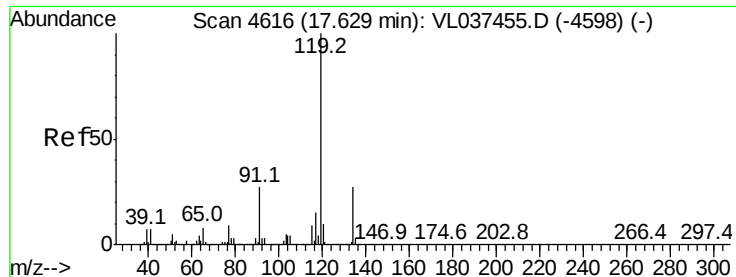
Tot Ion:105 Resp: 8310556
 Ion Ratio Lower Upper
 105 100
 134 19.6 15.2 22.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.549 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. 0.03 min
 Lab File: VL037565.D
 Acq: 8 Sep 2021 10:19

Tgt Ion: 95 Resp: 3608195
 Ion Ratio Lower Upper
 95 100
 174 73.2 59.6 89.4
 175 5.6 4.6 7.0





#69

p-Isopropyltoluene

Concen: 7.133 ppbv

RT: 17.65 min Scan# 4624

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

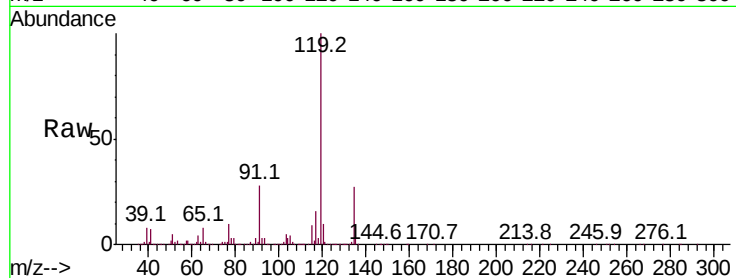
Tot Ion:119 Resp: 6963481

Ion Ratio Lower Upper

119 100

134 26.4 21.1 31.7

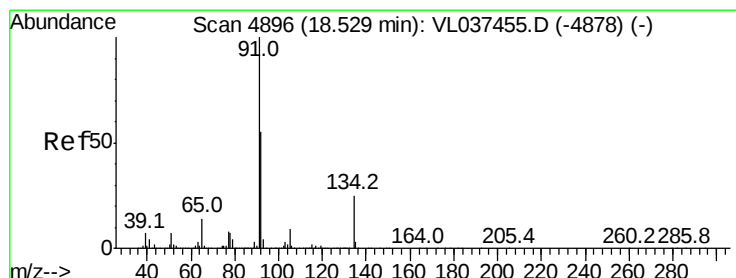
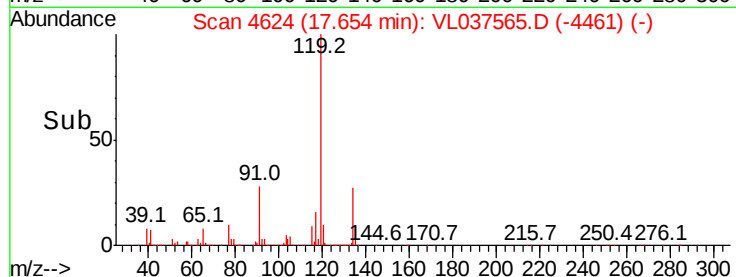
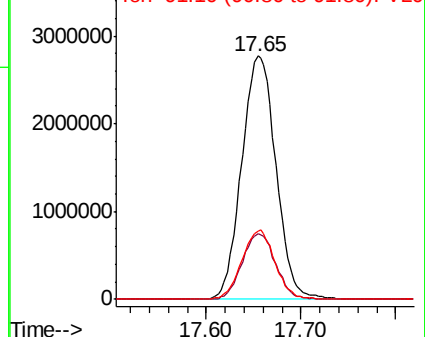
91 27.4 22.4 33.6



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 7.289 ppbv

RT: 18.55 min Scan# 4903

Delta R.T. 0.02 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

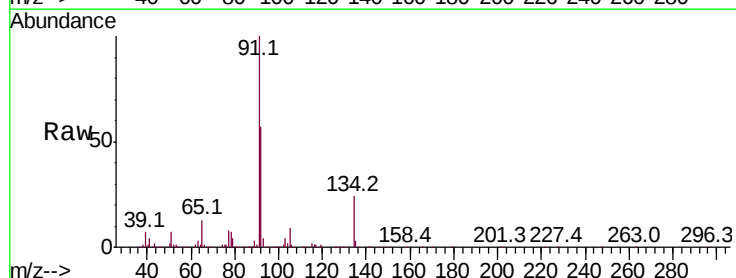
Tgt Ion: 91 Resp: 6800773

Ion Ratio Lower Upper

91 100

92 54.9 44.0 66.0

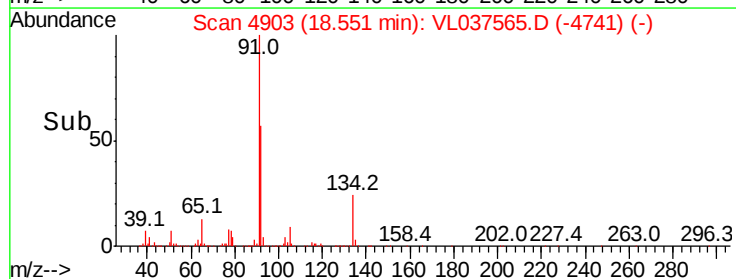
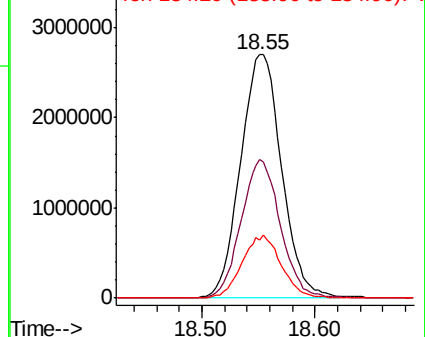
134 24.8 19.5 29.3

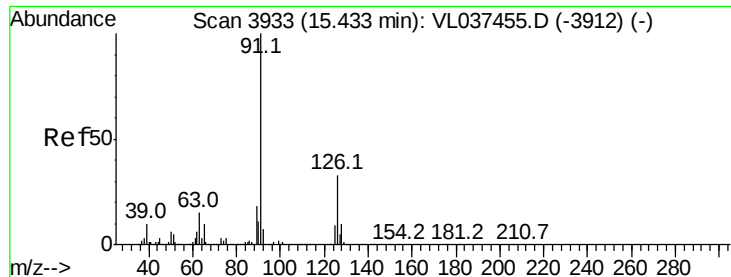


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.331 ppbv

RT: 15.46 min Scan# 3941

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

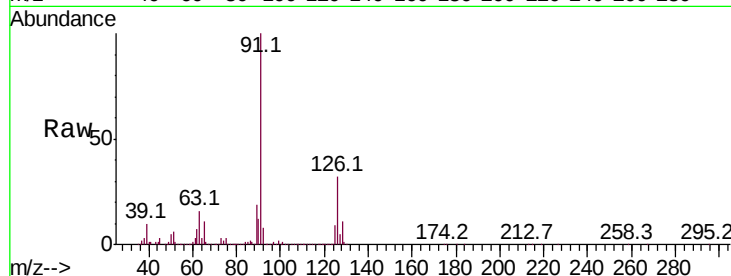
VL0908ABS01

Tot Ion: 91 Resp: 5061136

Ion Ratio Lower Upper

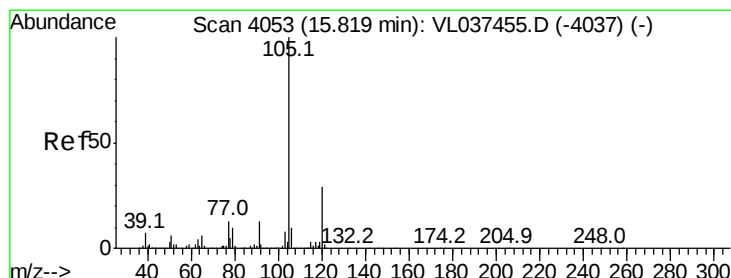
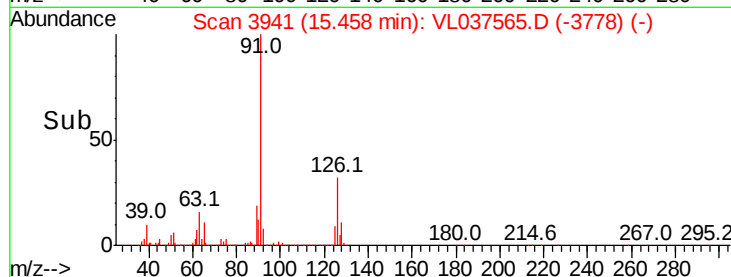
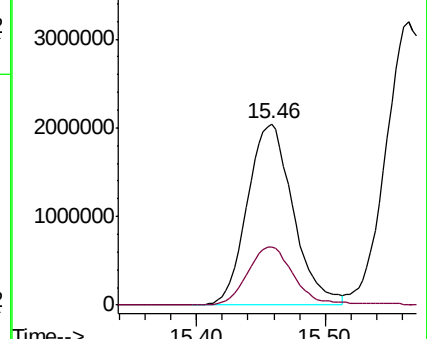
91 100

126 33.6 13.6 54.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): VL0



#72

4-Ethyltoluene

Concen: 7.350 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. 0.02 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Tgt Ion: 105 Resp: 5832002

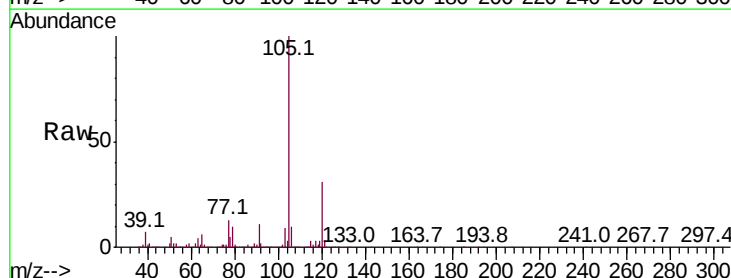
Ion Ratio Lower Upper

105 100

120 31.8 24.7 37.1

91 12.3 9.8 14.8

77 13.4 10.6 15.8

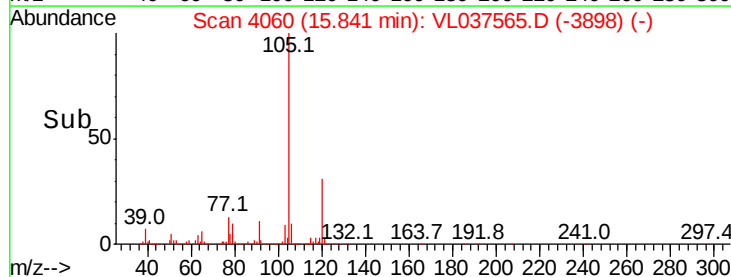
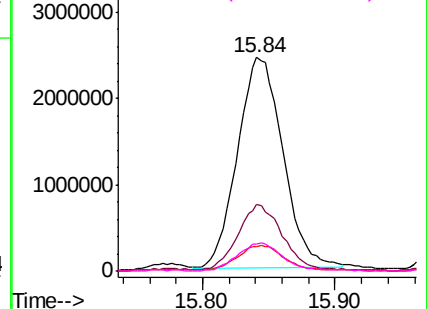


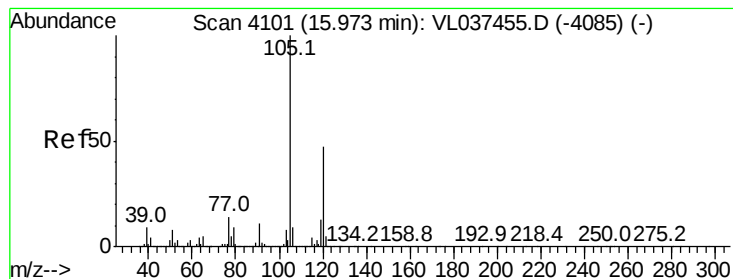
Abundance Ion 105.10 (104.80 to 105.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 7.131 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

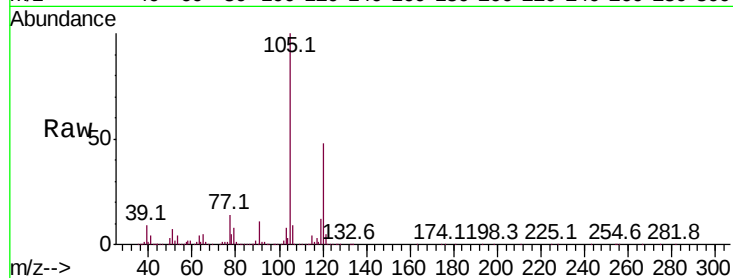
VL0908ABS01

Tot Ion:105 Resp: 5266532

Ion Ratio Lower Upper

105 100

120 48.6 37.6 56.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2500000

2000000

1500000

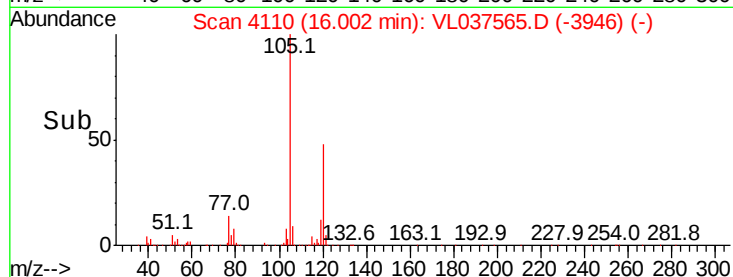
1000000

500000

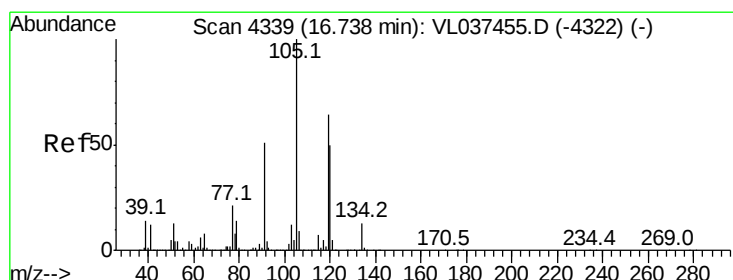
0

16.00

15.90 15.95 16.00 16.05



Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.035 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Tgt Ion:105 Resp: 5521408

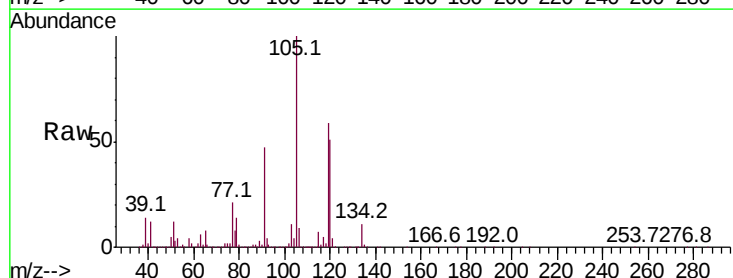
Ion Ratio Lower Upper

105 100

120 50.3 40.4 60.6

91 46.6 44.6 67.0

77 21.3 17.8 26.6



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

3000000

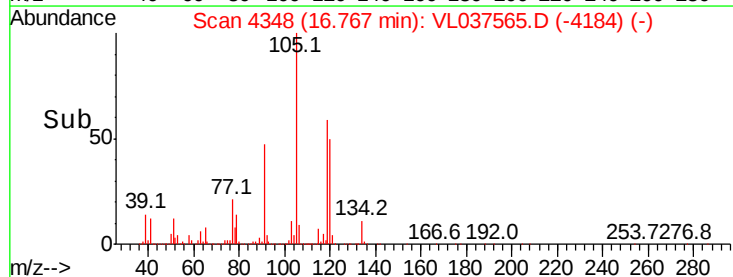
2000000

1000000

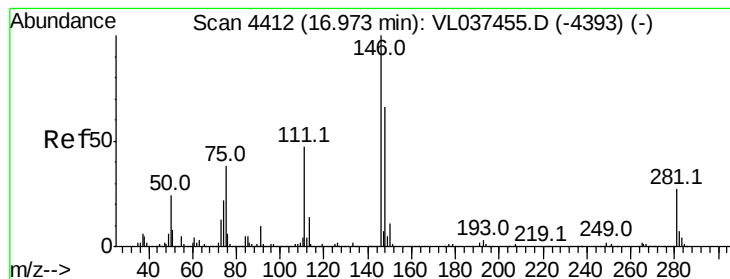
0

16.77

16.70 16.75 16.80 16.85 16.90



Time-->



#75

1,3-Dichlorobenzene

Concen: 7.129 ppbv

RT: 17.00 min Scan# 4421

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

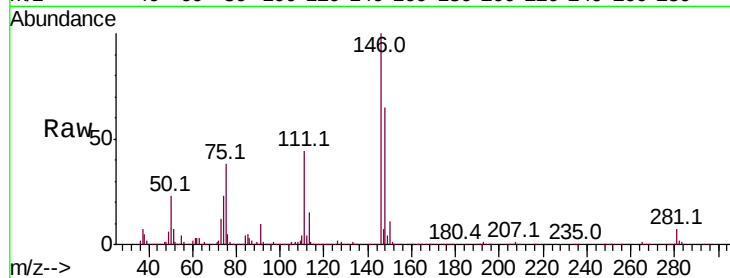
Tot Ion:146 Resp: 3367908

Ion Ratio Lower Upper

146 100

111 45.7 23.4 70.0

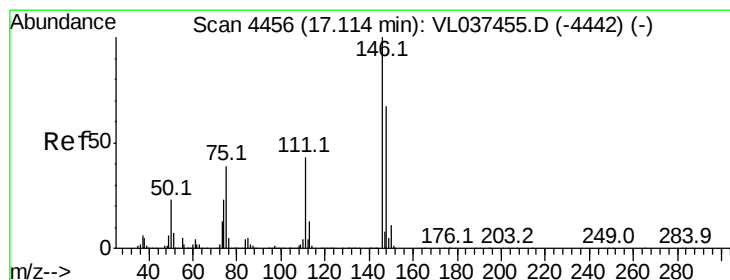
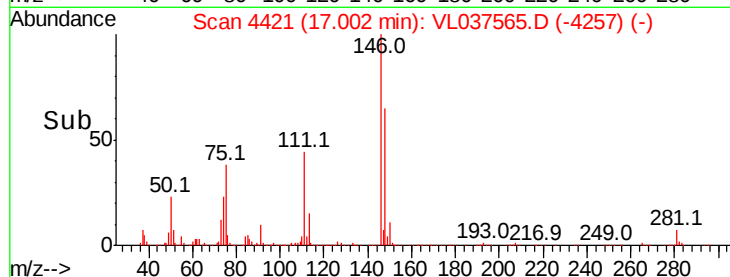
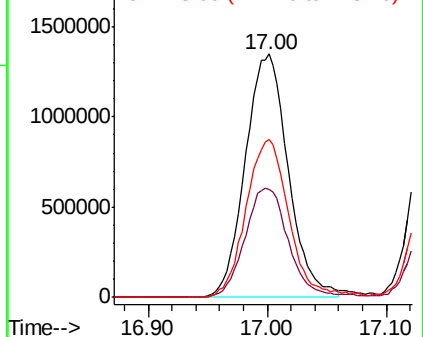
148 64.8 33.1 99.5



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



#76

1,4-Dichlorobenzene

Concen: 6.775 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

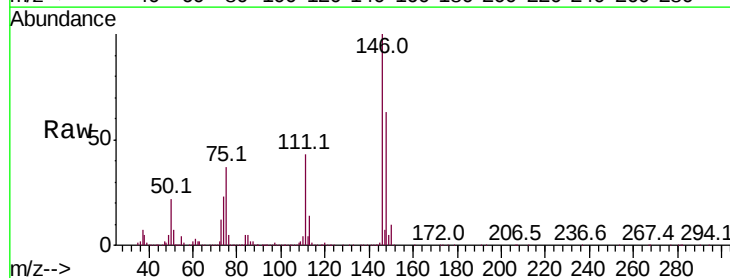
Tgt Ion:146 Resp: 3224175

Ion Ratio Lower Upper

146 100

111 45.9 22.1 66.5

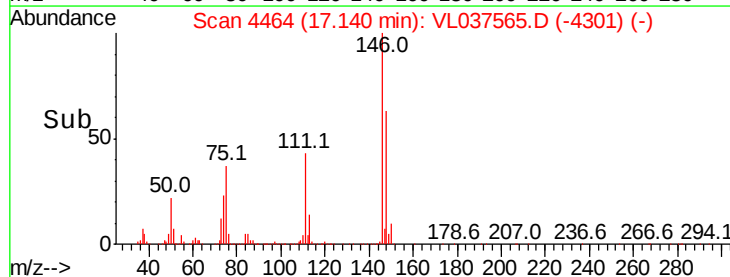
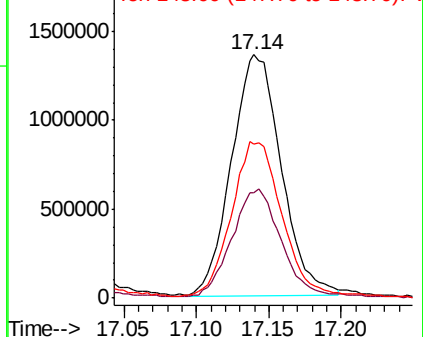
148 67.7 32.4 97.0

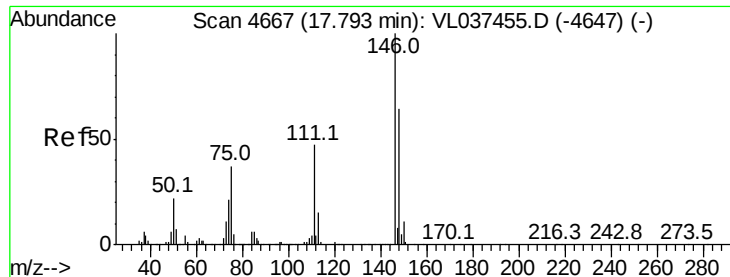


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 6.955 ppbv

RT: 17.82 min Scan# 4675

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

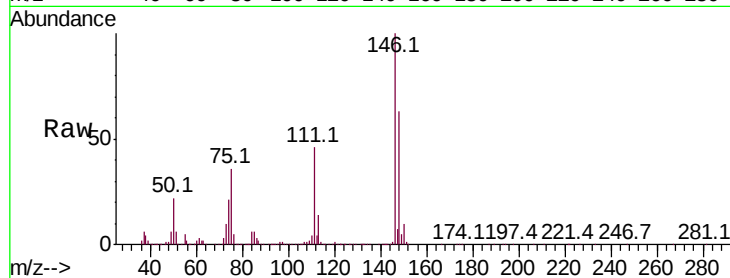
Tot Ion:146 Resp: 3235670

Ion Ratio Lower Upper

146 100

111 46.4 23.4 70.3

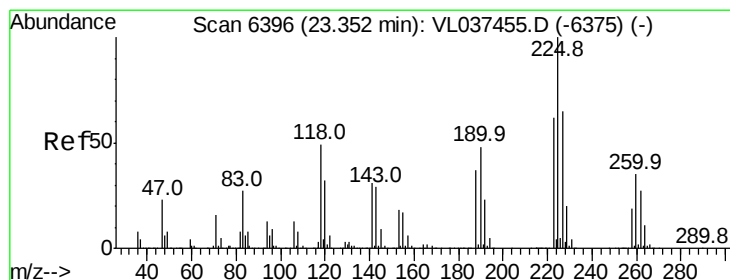
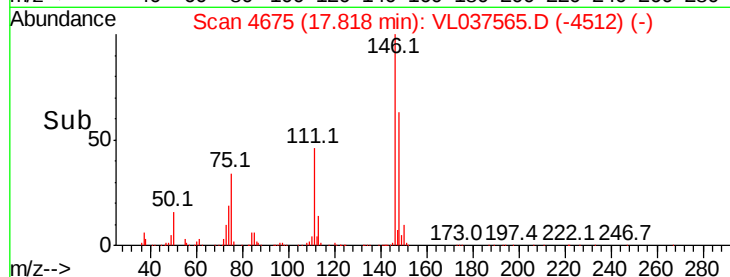
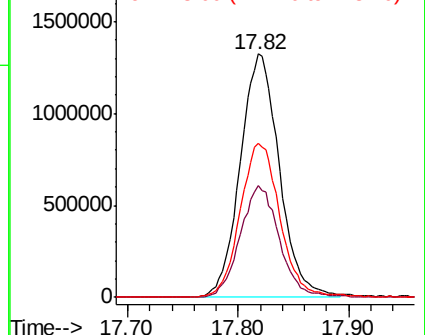
148 64.8 32.5 97.5



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: 7.103 ppbv

RT: 23.38 min Scan# 6404

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

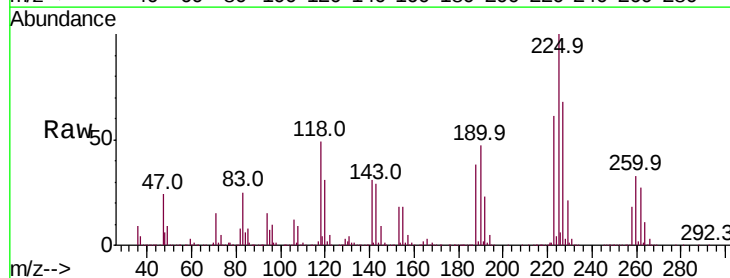
Tgt Ion:225 Resp: 2747191

Ion Ratio Lower Upper

225 100

223 64.1 51.4 77.0

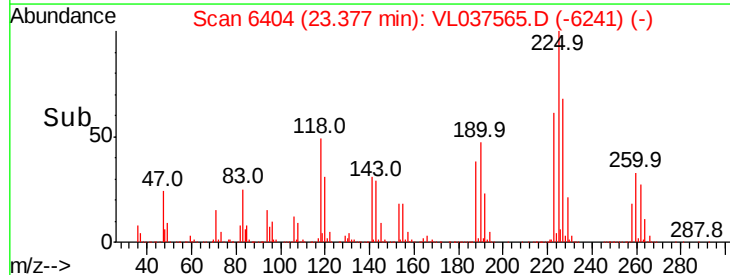
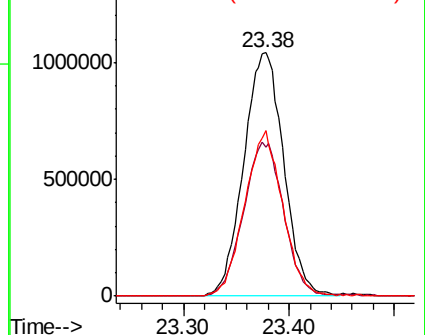
227 65.2 52.9 79.3

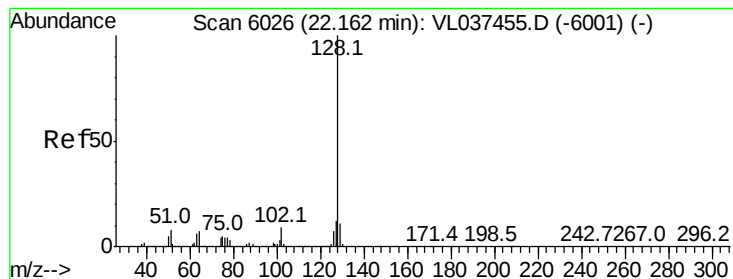


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.735 ppbv

RT: 22.19 min Scan# 6036

Delta R.T. 0.03 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Instrument :

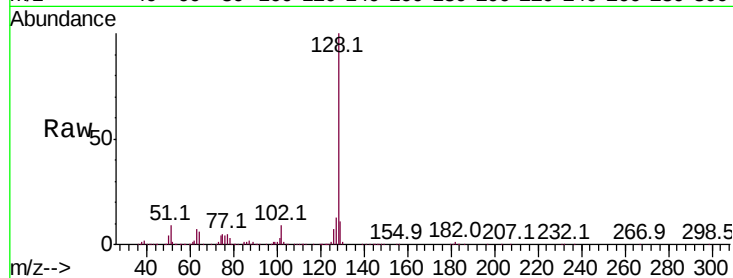
MSVOA_L

ClientSampleId :

VL0908ABS01

Tot Ion:128 Resp: 5112771

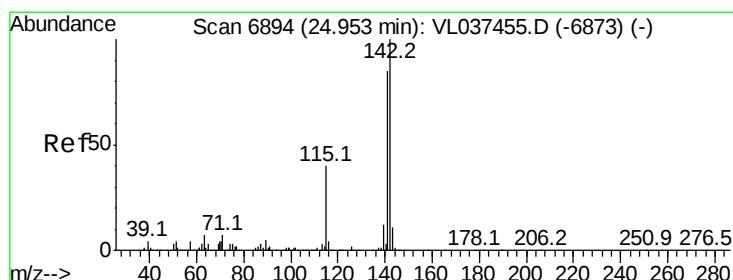
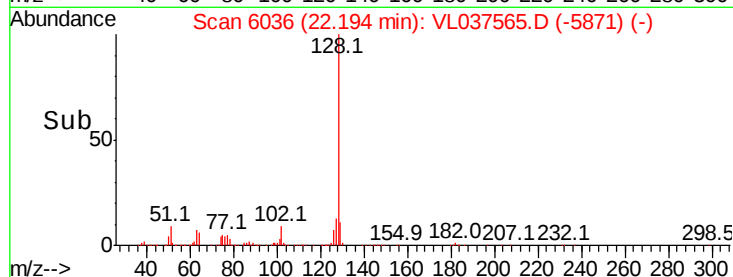
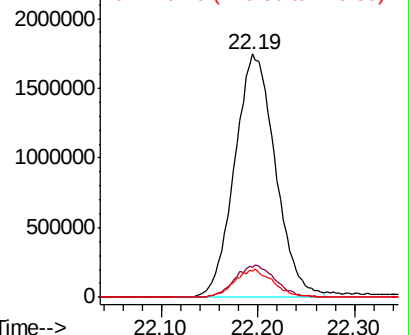
Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.4	14.2
129	10.8	8.8	13.2



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: 11.683 ppbv

RT: 24.97 min Scan# 6899

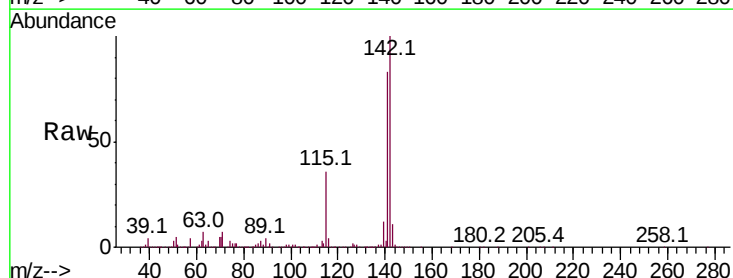
Delta R.T. 0.02 min

Lab File: VL037565.D

Acq: 8 Sep 2021 10:19

Tgt Ion:142 Resp: 1709497

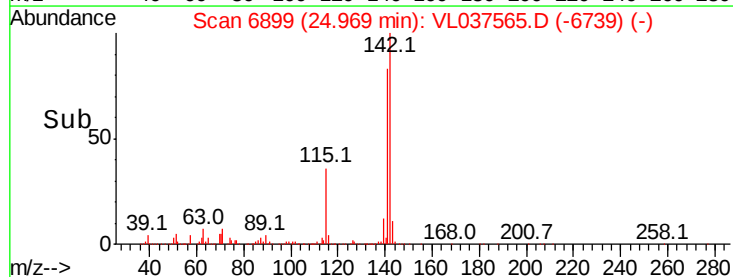
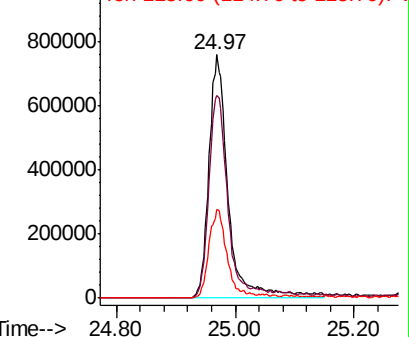
Ion	Ratio	Lower	Upper
142	100		
141	85.7	64.7	97.1
115	34.3	28.4	42.6

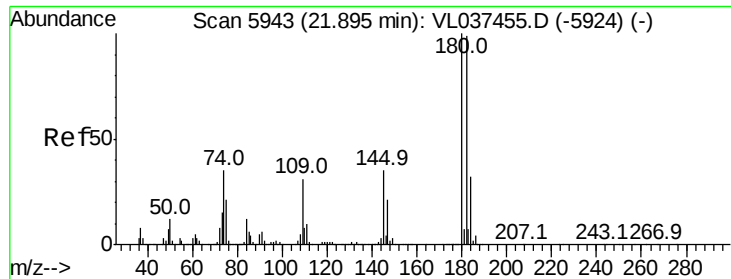


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

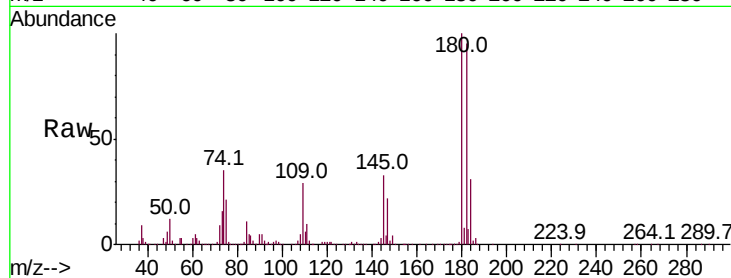




#81
 1,2,4-Trichlorobenzene
 Concen: 8.609 ppbv
 RT: 21.93 min Scan# 5953
 Delta R.T. 0.03 min
 Lab File: VL037565.D
 Acq: 8 Sep 2021 10:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABS01

Tot Ion:180 Resp: 2837537
 Ion Ratio Lower Upper
 180 100
 182 99.0 79.6 119.4
 184 31.6 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

