

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090321\
 Data File : VL037517.D
 Acq On : 3 Sep 2021 12:35
 Operator : SY/AP
 Sample : VL0903ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS01

Quant Time: Sep 04 04:20:55 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	5.66	49	1437074	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	4250880	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.08	117	3801407	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2790406	10.33	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2161637	9.375	ppbv 97
3) Chlorodifluoromethane	2.99	51	2833729	10.298	ppbv 100
4) Chloromethane	3.14	50	1053958	10.718	ppbv 92
5) Vinyl Chloride	3.26	62	1069339	10.614	ppbv 96
6) Bromomethane	3.47	94	603263	10.931	ppbv 97
7) Chloroethane	3.56	64	359934	10.468	ppbv 98
8) Dichlorotetrafluoroethane	3.19	85	2397044	10.070	ppbv 98
9) Propene	3.01	41	970976	9.862	ppbv 94
10) Heptane	8.12	43	2541120	11.213	ppbv 100
11) Trichlorofluoromethane	3.95	101	2260140	10.442	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1647777	10.375	ppbv 100
13) Ethanol	3.61	45	27688	2.890	ppbv # 39
14) Bromoethene	3.74	108	763684	10.591	ppbv 98
15) Acetone	3.84	43	1220248	8.343	ppbv 98
16) 1,3-Butadiene	3.32	39	1014691	10.816	ppbv 99
17) tert-Butyl alcohol	4.28	59	1550667	11.606	ppbv 98
18) 1,1-Dichloroethene	4.29	96	728879	10.103	ppbv 94
19) Isopropyl Alcohol	3.96	45	906218	10.816	ppbv # 99
20) Methylene Chloride	4.34	84	648138	8.851	ppbv 96
21) Allyl Chloride	4.41	41	1226550	10.325	ppbv 95
22) trans-1,2-Dichloroethene	4.88	96	784746	10.902	ppbv 97
23) Vinyl Acetate	5.07	43	2552371	11.840	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1669630	10.679	ppbv 99
25) Ethyl Acetate	5.67	43	4062276	10.941	ppbv 100
26) Hexane	5.68	57	1909655	10.520	ppbv 99
27) Carbon Disulfide	4.55	76	1830042	11.312	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1965864	11.276	ppbv 100
29) Chloroform	5.75	83	2719665	10.571	ppbv 99
30) Cyclohexane	7.13	84	1618670	10.702	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1784160	10.859	ppbv 99
32) 1,1,1-Trichloroethane	6.51	97	2673651	10.577	ppbv 99
34) 2-Butanone	5.24	43	1750694	10.085	ppbv 94
35) Carbon Tetrachloride	7.01	117	2721603	10.833	ppbv 99
36) Benzene	6.89	78	3958951	11.079	ppbv 100
37) 1,2-Dichloroethane	6.30	62	1960253	11.074	ppbv 99
38) Trichloroethene	7.83	130	1536288	10.478	ppbv 98
39) 1,2-Dichloropropane	7.61	63	1504137	10.954	ppbv 96
40) 1,4-Dioxane	7.82	88	154298	4.587	ppbv # 100
41) Tetrahydrofuran	6.05	42	936682	11.201	ppbv 99
42) Bromodichloromethane	7.78	83	2900412	11.206	ppbv 98
43) Methyl Methacrylate	8.01	69	1433091	11.506	ppbv 99

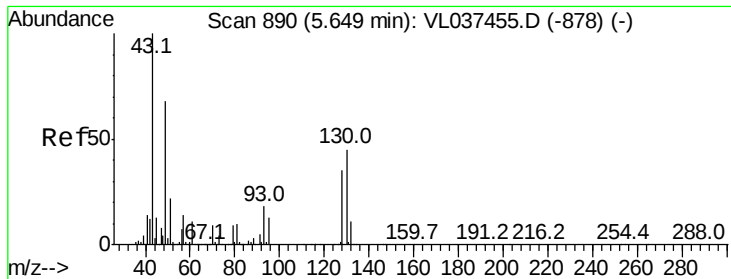
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090321\
 Data File : VL037517.D
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	6491777	10.794	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1261820	13.458	ppbv	92
46) cis-1,3-Dichloropropene	8.70	75	1672337	12.786	ppbv	95
47) 1,1,2-Trichloroethane	9.46	97	1595530	10.754	ppbv	99
48) Dibromochloromethane	10.30	129	2505943	11.737	ppbv	100
49) Bromoform	13.03	173	1970921	11.710	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2617592	11.559	ppbv	98
51) 2-Hexanone	10.13	43	1218353	11.697	ppbv #	98
52) Tetrachloroethene	11.21	164	1475968	10.079	ppbv	99
53) Toluene	9.80	91	4624611	11.334	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2299405	11.101	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1690195	10.670	ppbv	99
57) Chlorobenzene	12.14	112	3290724	10.431	ppbv	100
58) Ethyl Benzene	12.70	91	5789335	10.974	ppbv	99
59) m/p-Xylene	12.99	91	4656513	10.182	ppbv #	22
60) o-Xylene	13.68	91	4423952	10.364	ppbv	98
61) Styrene	13.52	104	2530944	11.414	ppbv	99
62) Isopropylbenzene	14.66	105	6349871	10.541	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	3210620	10.120	ppbv	98
64) n-propylbenzene	15.55	120	1698212	11.077	ppbv	95
65) tert-Butylbenzene	16.73	119	5503666	10.031	ppbv	99
66) Benzyl Chloride	16.98	91	320450	12.912	ppbv	98
67) sec-Butylbenzene	17.28	105	7667933	10.002	ppbv	99
69) p-Isopropyltoluene	17.64	119	6394786	10.237	ppbv	100
70) n-Butylbenzene	18.54	91	6196263	10.379	ppbv	100
71) 2-Chlorotoluene	15.45	91	4571206	10.347	ppbv	100
72) 4-Ethyltoluene	15.83	105	5496352	10.826	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	4807402	10.172	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	4986092	9.928	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	3013895	9.970	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2960576	9.722	ppbv	97
77) 1,2-Dichlorobenzene	17.81	146	2919693	9.809	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	2571615	10.391	ppbv	99
79) Naphthalene	22.18	128	4773293	14.203	ppbv	97
80) Naphthalene, 2-methyl-	24.96	142	1104057	11.792	ppbv	97
81) 1,2,4-Trichlorobenzene	21.91	180	2636675	12.503	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.01 min

Lab File: VL037517.D

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ClientSampleId :

VL0903ABS01

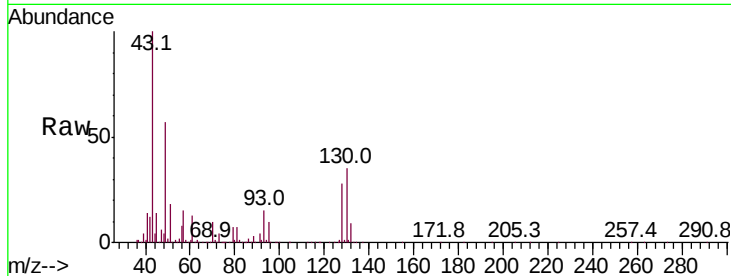
Tot Ion: 49 Resp: 1437074

Ion Ratio Lower Upper

49 100

128 56.0 27.5 82.4

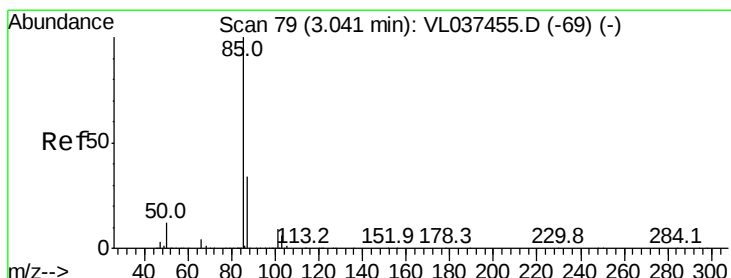
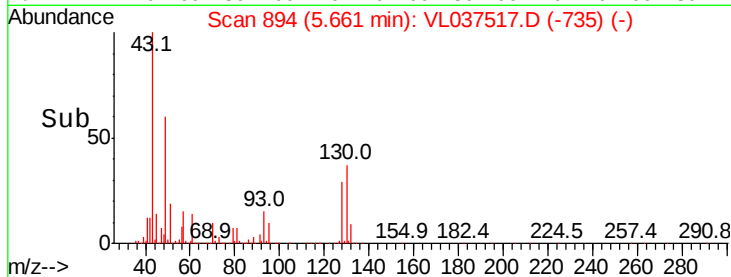
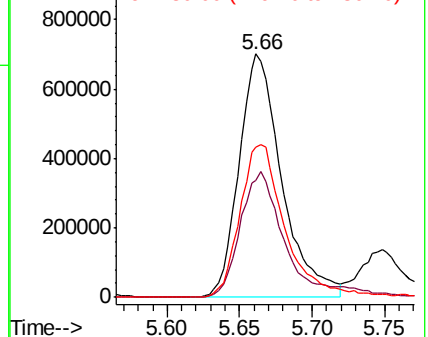
130 67.3 34.0 101.8



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: 9.375 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.01 min

Lab File: VL037517.D

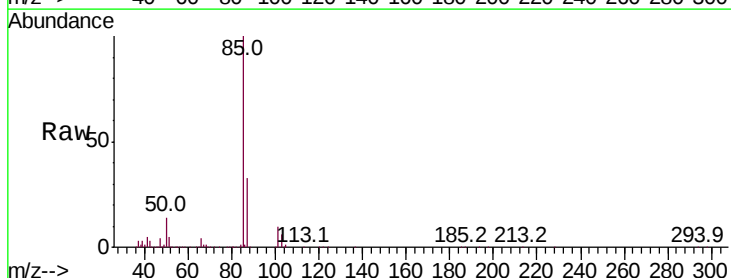
Acq: 3 Sep 2021 12:35

Tgt Ion: 85 Resp: 2161637

Ion Ratio Lower Upper

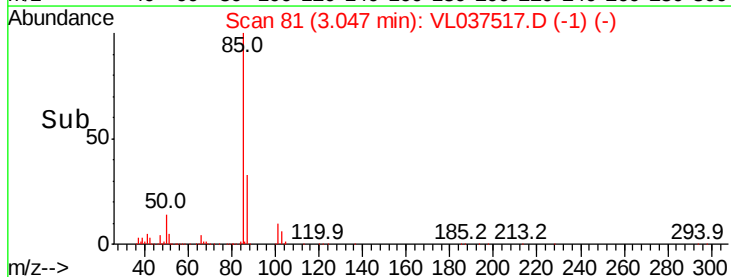
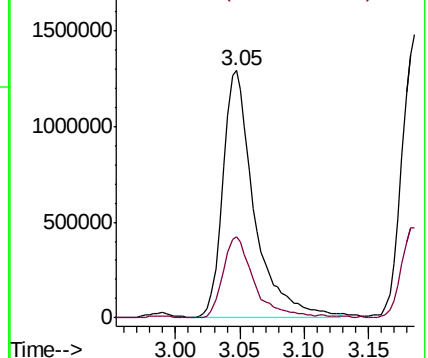
85 100

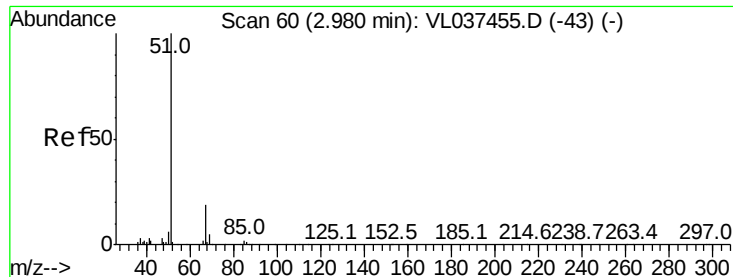
87 32.8 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

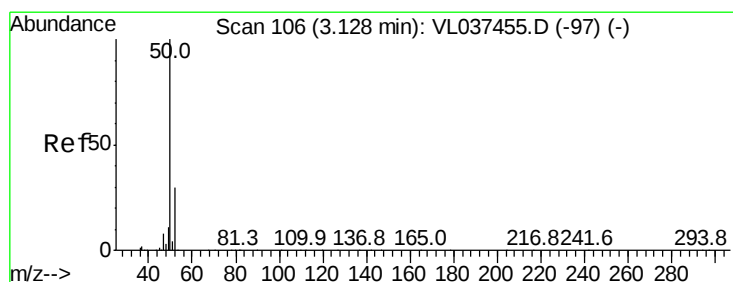
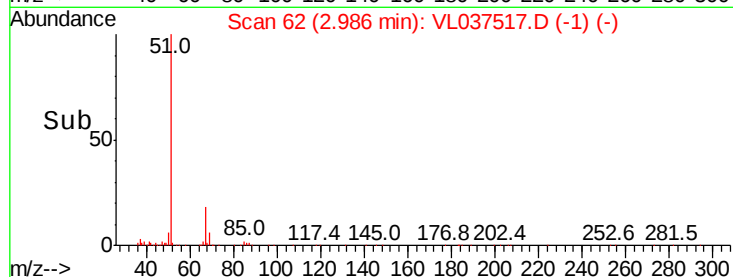
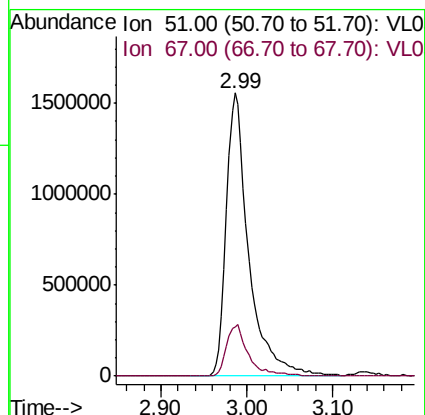
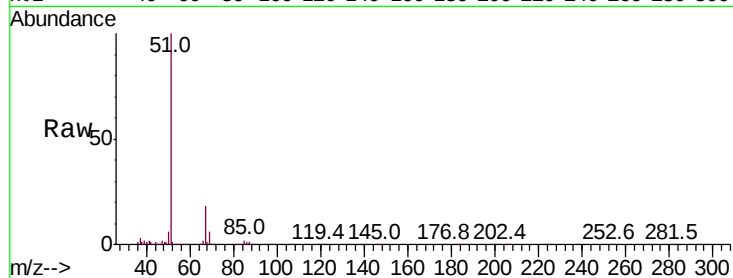




#3
Chlorodifluoromethane
Concen: 10.298 ppbv
RT: 2.99 min Scan# 62
Delta R.T. 0.01 min
Lab File: VL037517.D
Acq: 3 Sep 2021 12:35

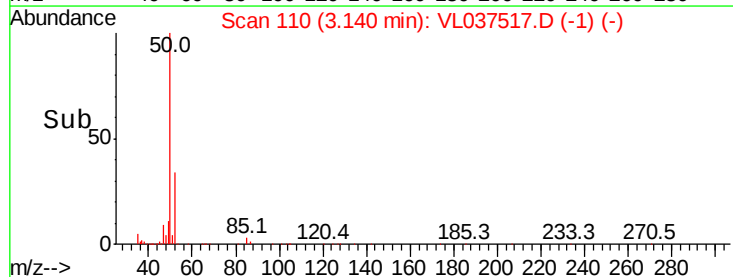
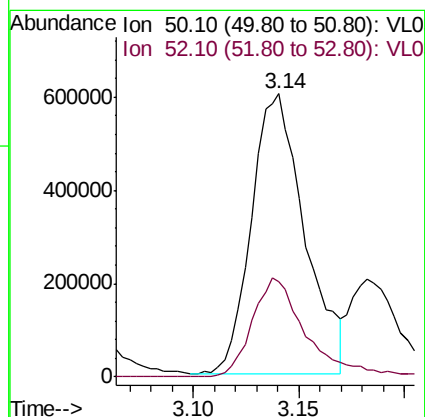
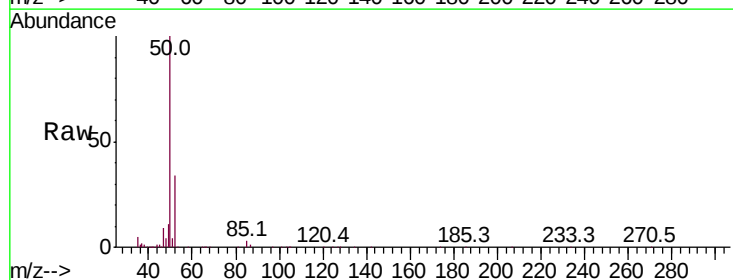
Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS01

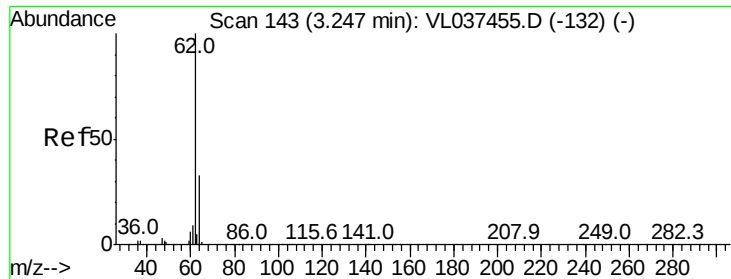
Tot Ion: 51 Resp: 2833729
Ion Ratio Lower Upper
51 100
67 17.9 14.2 21.2



#4
Chloromethane
Concen: 10.718 ppbv
RT: 3.14 min Scan# 110
Delta R.T. 0.01 min
Lab File: VL037517.D
Acq: 3 Sep 2021 12:35

Tgt Ion: 50 Resp: 1053958
Ion Ratio Lower Upper
50 100
52 34.1 24.0 36.0





#5

Vinyl Chloride

Concen: 10.614 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :

MSVOA_L

ClientSampleId :

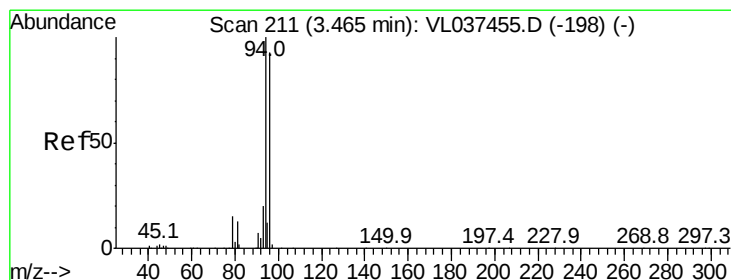
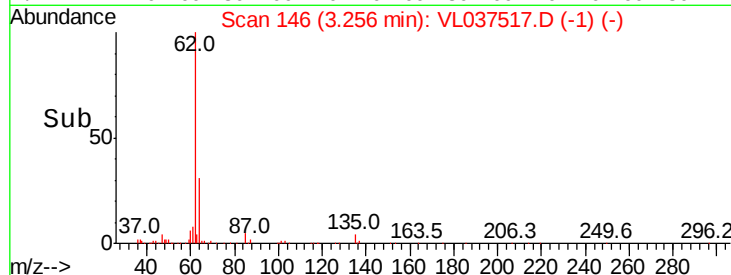
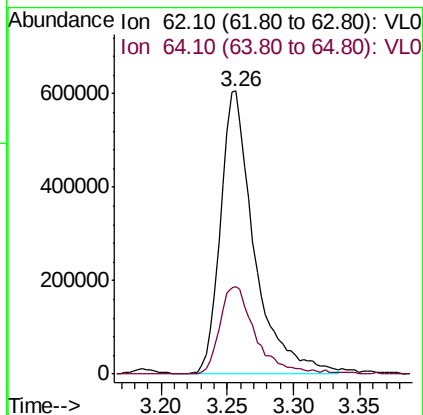
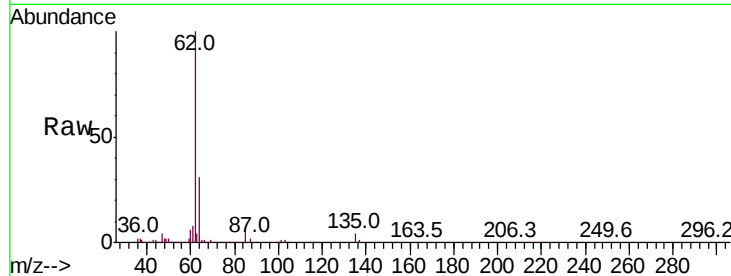
VL0903ABS01

Tot Ion: 62 Resp: 1069339

Ion Ratio Lower Upper

62 100

64 31.0 26.5 39.7



#6

Bromomethane

Concen: 10.931 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL037517.D

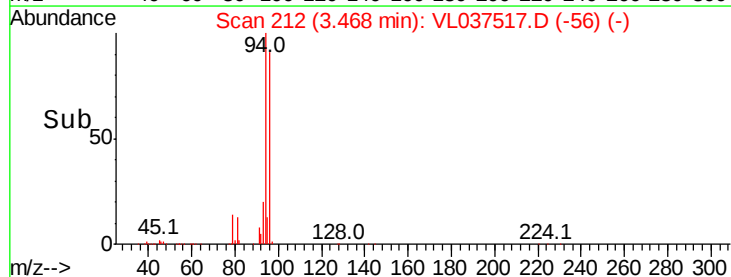
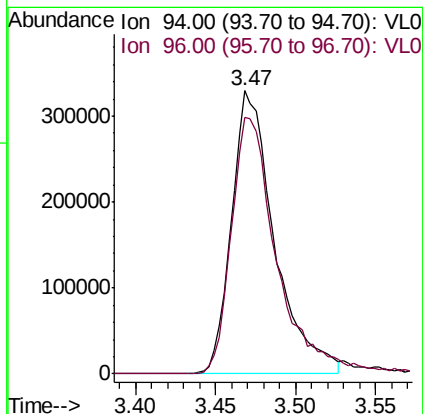
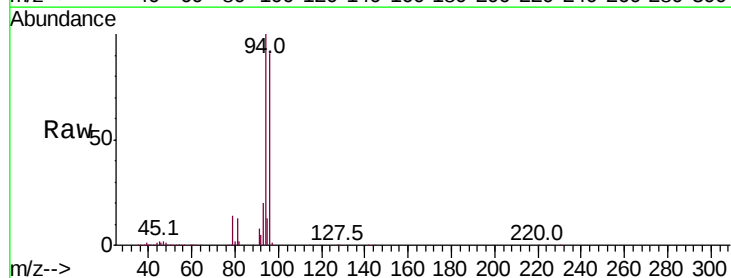
Acq: 3 Sep 2021 12:35

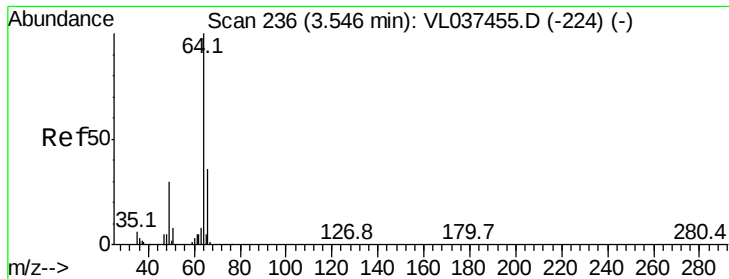
Tgt Ion: 94 Resp: 603263

Ion Ratio Lower Upper

94 100

96 90.6 74.5 111.7





#7

Chloroethane

Concen: 10.468 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :

MSVOA_L

ClientSampleId :

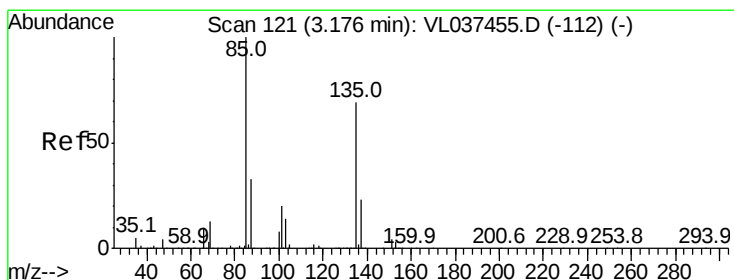
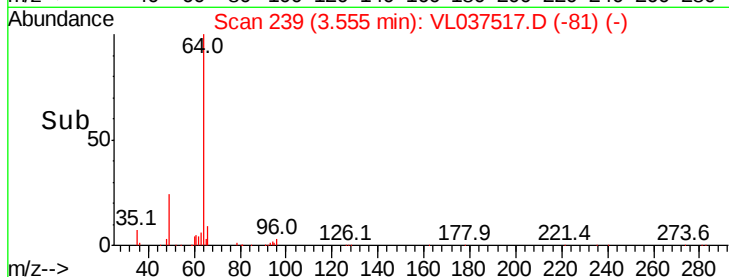
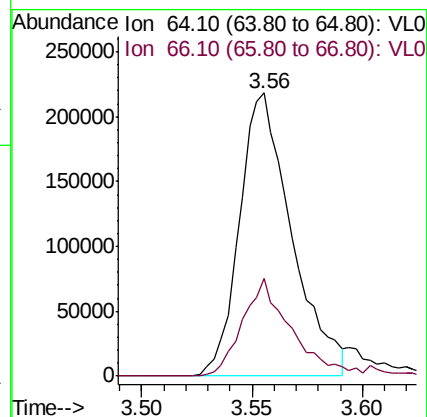
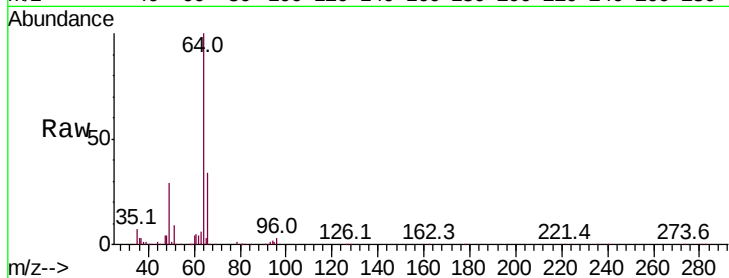
VL0903ABS01

Tot Ion: 64 Resp: 359934

Ion Ratio Lower Upper

64 100

66 34.4 28.6 43.0



#8

Dichlorotetrafluoroethane

Concen: 10.070 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.01 min

Lab File: VL037517.D

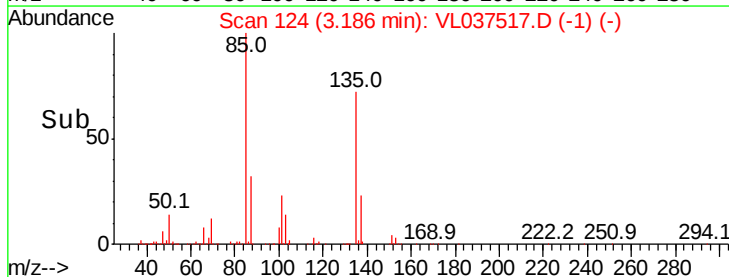
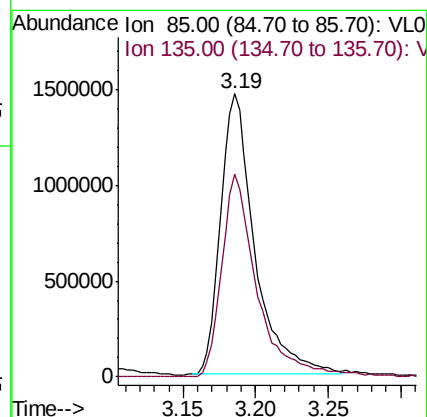
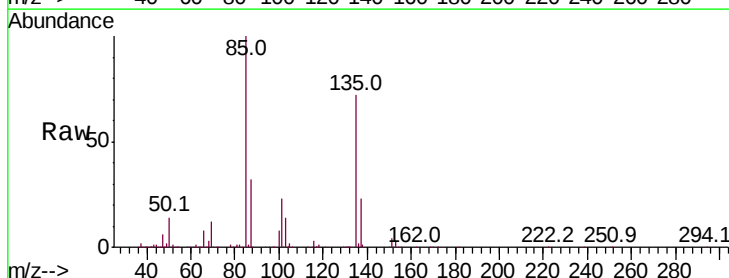
Acq: 3 Sep 2021 12:35

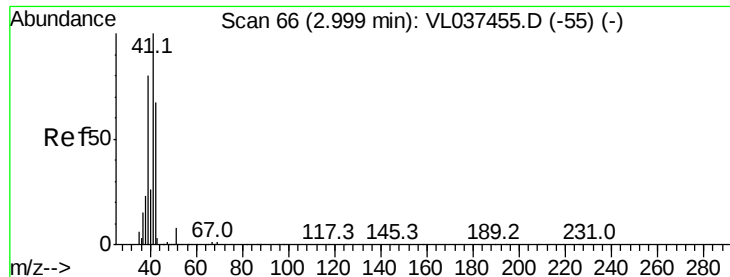
Tgt Ion: 85 Resp: 2397044

Ion Ratio Lower Upper

85 100

135 75.4 58.8 88.2





#9

Propene

Concen: 9.862 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :

MSVOA_L

ClientSampleId :

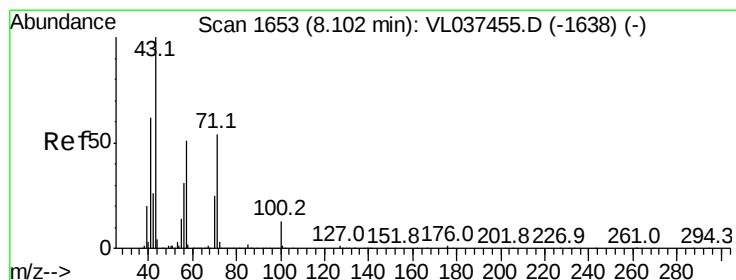
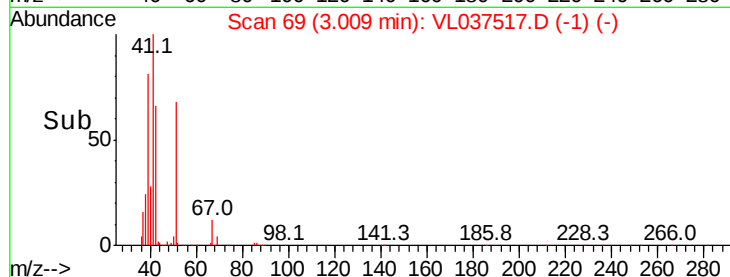
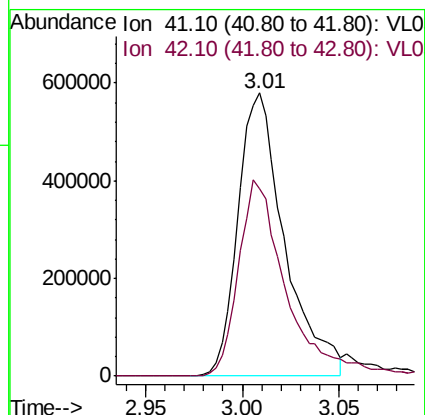
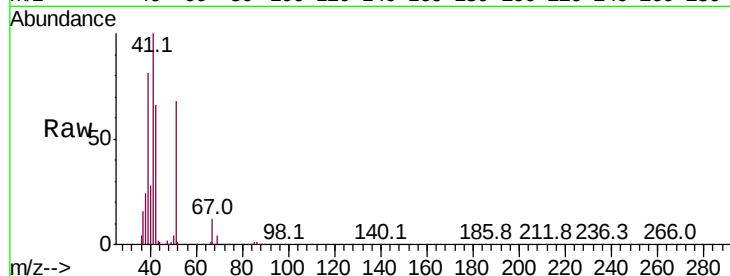
VL0903ABS01

Tot Ion: 41 Resp: 970976

Ion Ratio Lower Upper

41 100

42 72.1 53.7 80.5



#10

Heptane

Concen: 11.213 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.02 min

Lab File: VL037517.D

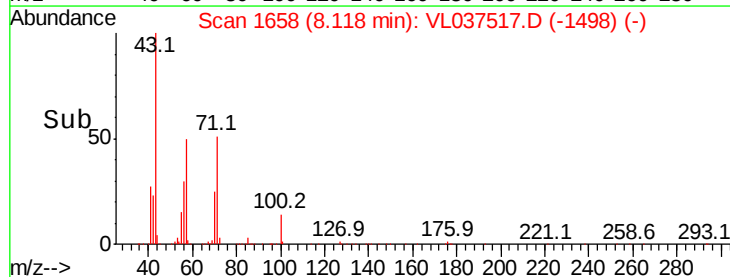
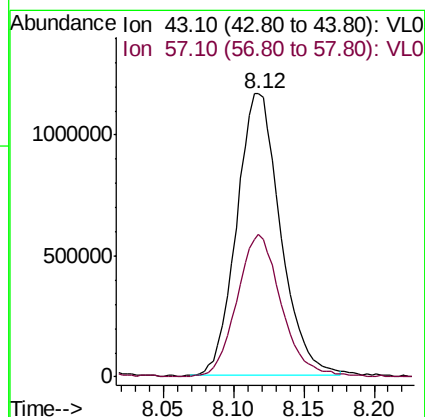
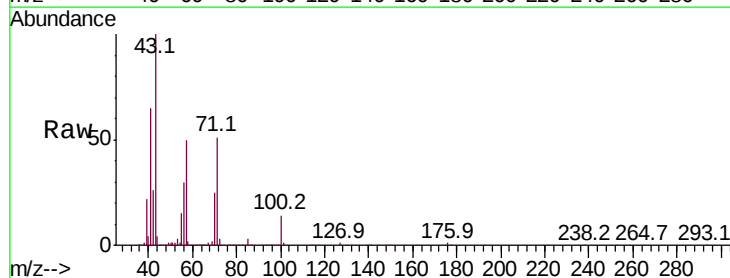
Acq: 3 Sep 2021 12:35

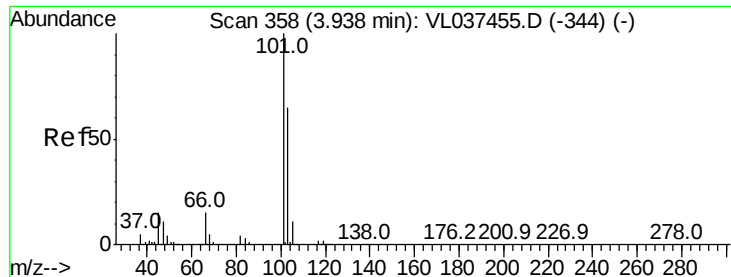
Tgt Ion: 43 Resp: 2541120

Ion Ratio Lower Upper

43 100

57 51.0 41.0 61.6





#11

Trichlorofluoromethane

Concen: 10.442 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :

MSVOA_L

ClientSampled :

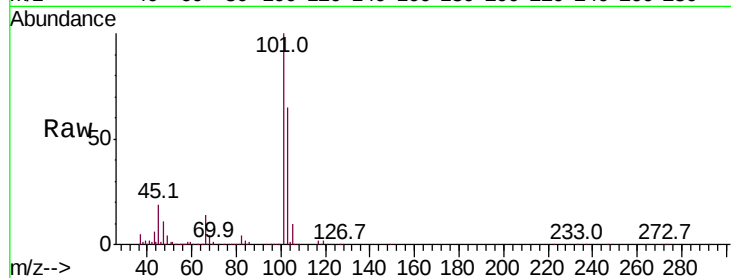
VL0903ABS01

Tot Ion:101 Resp: 2260140

Ion Ratio Lower Upper

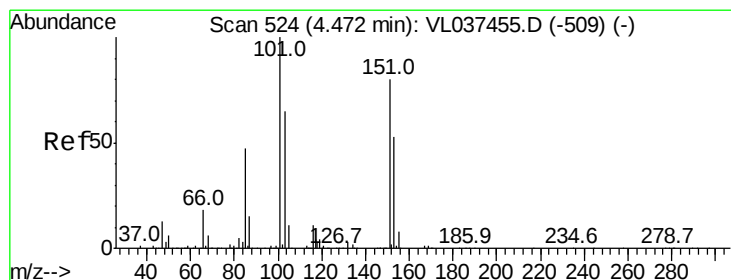
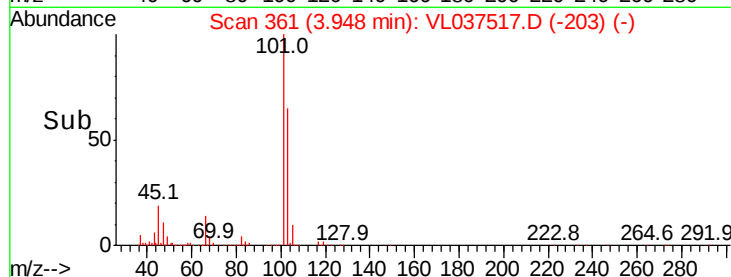
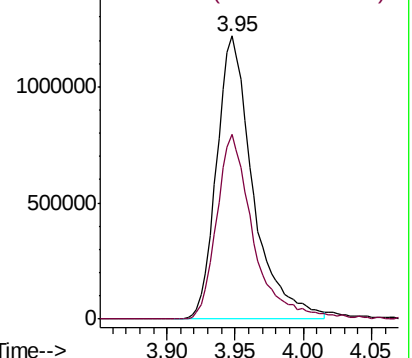
101 100

103 65.1 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.375 ppbv

RT: 4.48 min Scan# 527

Delta R.T. 0.01 min

Lab File: VL037517.D

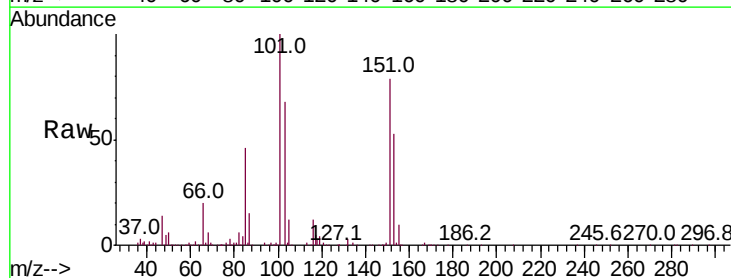
Acq: 3 Sep 2021 12:35

Tgt Ion:101 Resp: 1647777

Ion Ratio Lower Upper

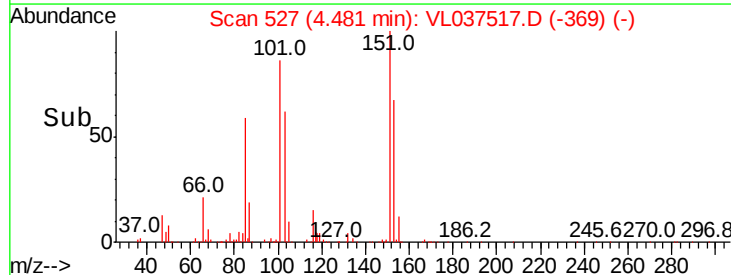
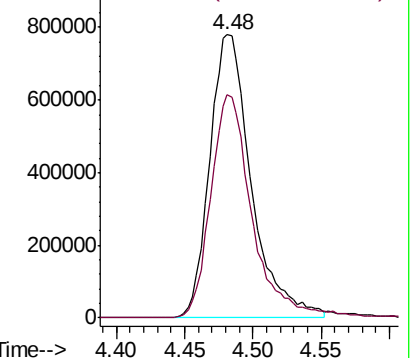
101 100

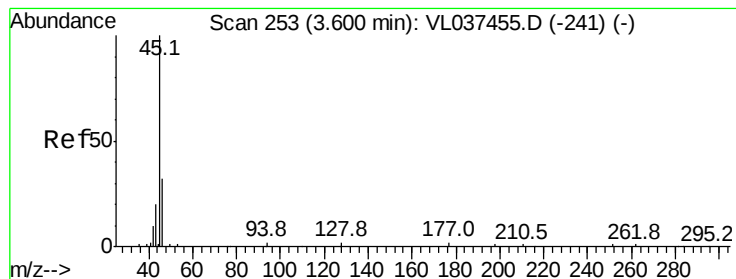
151 79.4 63.7 95.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 2.890 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :

MSVOA_L

ClientSampleId :

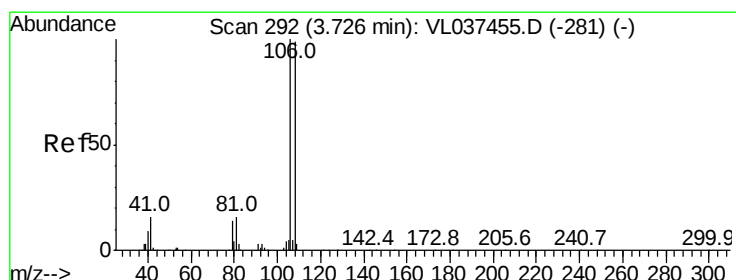
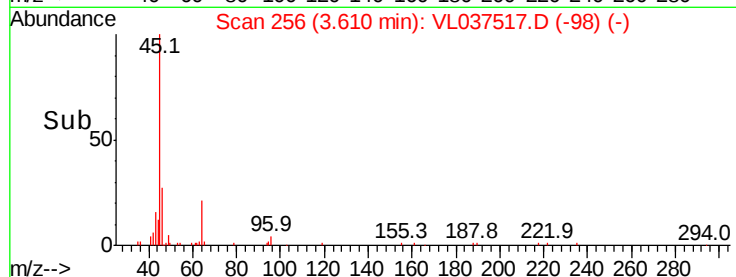
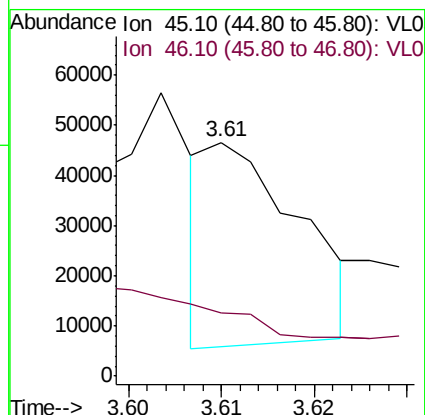
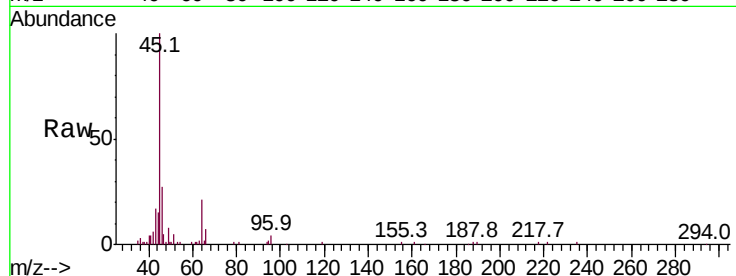
VL0903ABS01

Tot Ion: 45 Resp: 27688

Ion Ratio Lower Upper

45 100

46 0.0 14.1 56.5#



#14

Bromoethene

Concen: 10.591 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

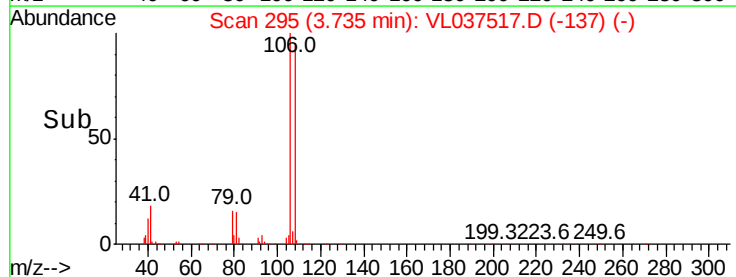
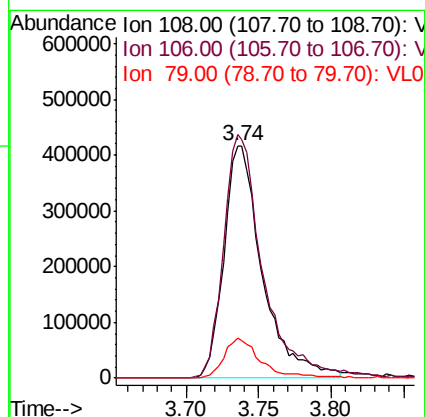
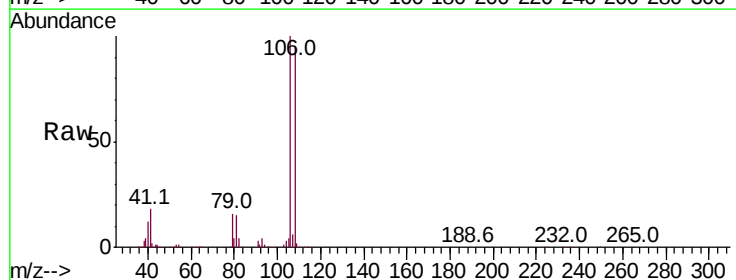
Tgt Ion: 108 Resp: 763684

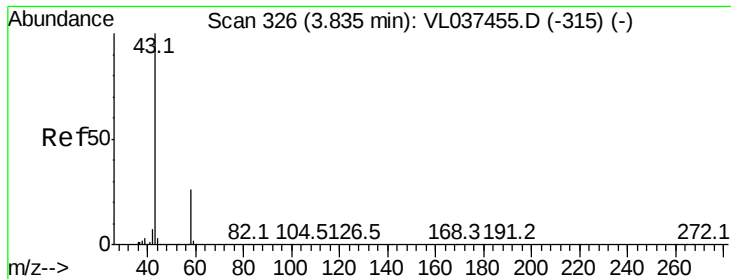
Ion Ratio Lower Upper

108 100

106 109.5 85.8 128.8

79 17.0 12.6 18.8

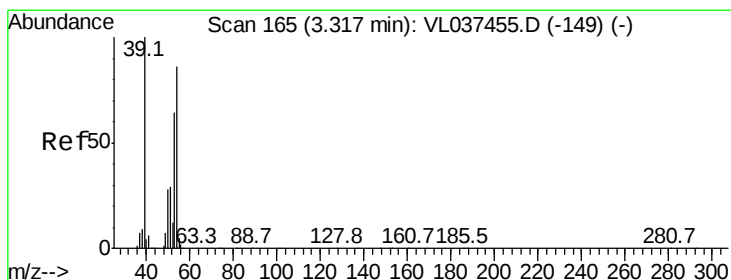
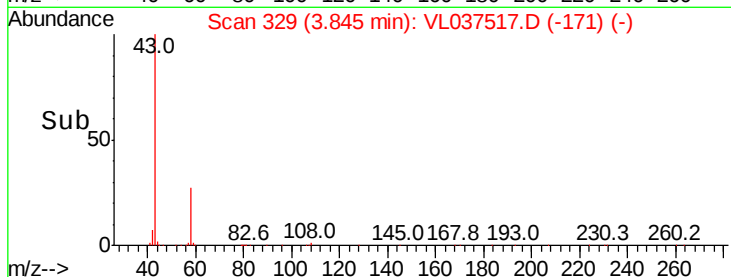
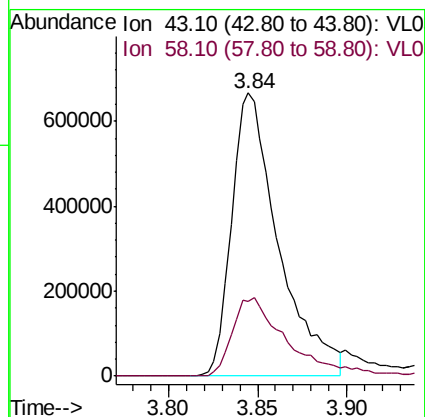
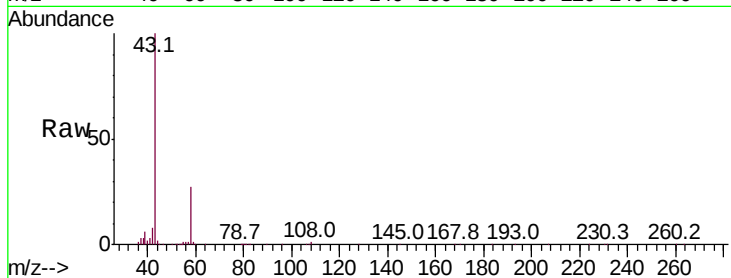




#15
Acetone
Concen: 8.343 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL037517.D
Acq: 3 Sep 2021 12:35

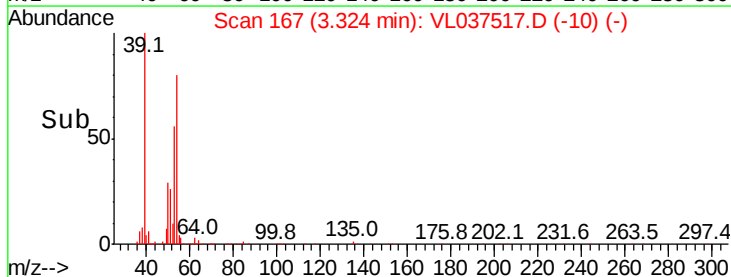
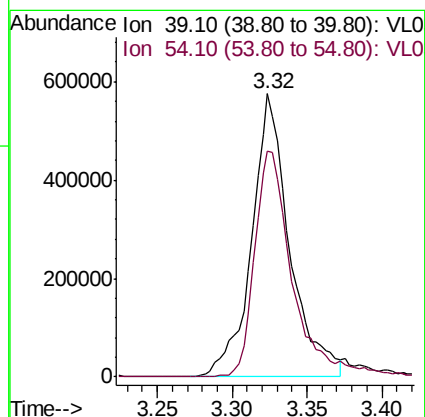
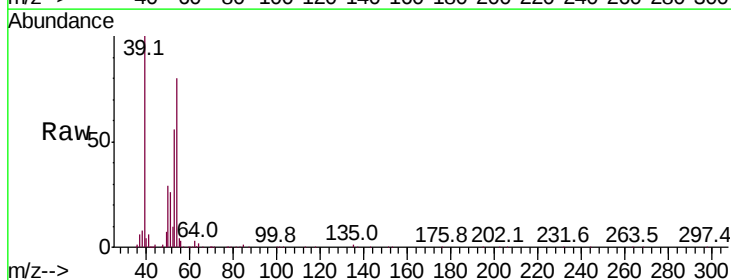
Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS01

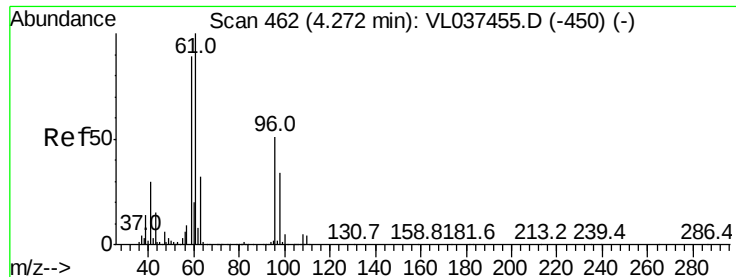
Tot Ion: 43 Resp: 1220248
Ion Ratio Lower Upper
43 100
58 32.2 24.8 37.2



#16
1,3-Butadiene
Concen: 10.816 ppbv
RT: 3.32 min Scan# 167
Delta R.T. 0.01 min
Lab File: VL037517.D
Acq: 3 Sep 2021 12:35

Tgt Ion: 39 Resp: 1014691
Ion Ratio Lower Upper
39 100
54 80.4 63.7 95.5



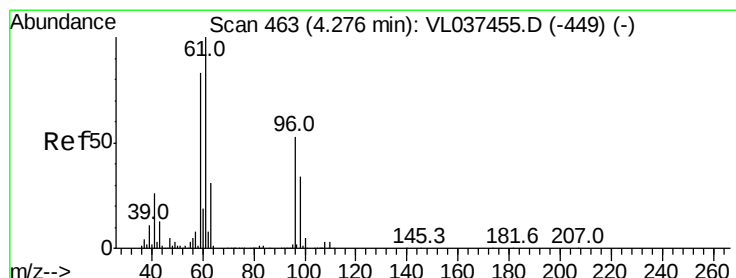
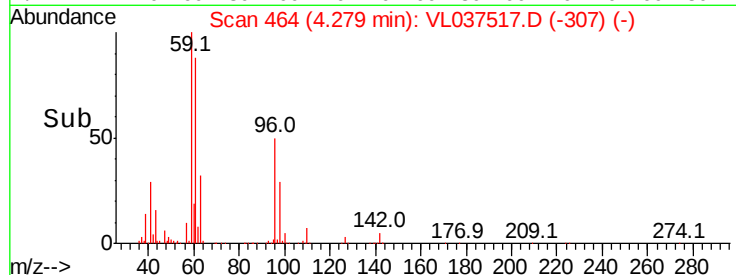
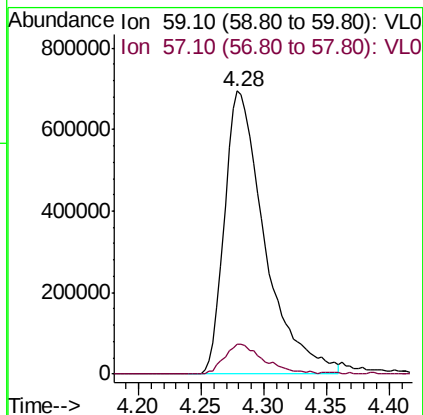
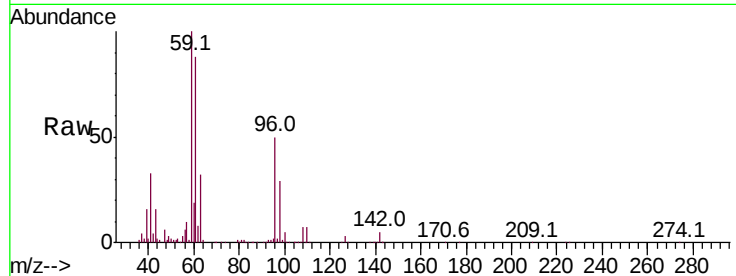


#17

tert-Butyl alcohol
Concen: 11.606 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.01 min
Lab File: VL037517.D
Acq: 3 Sep 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS01

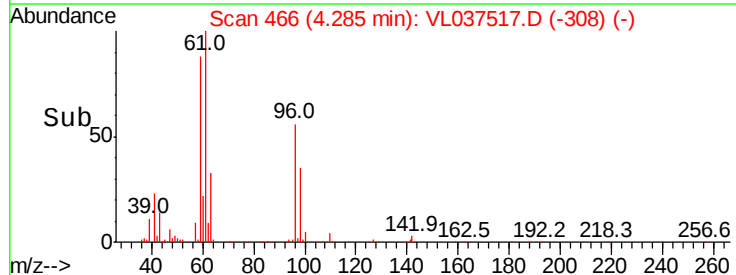
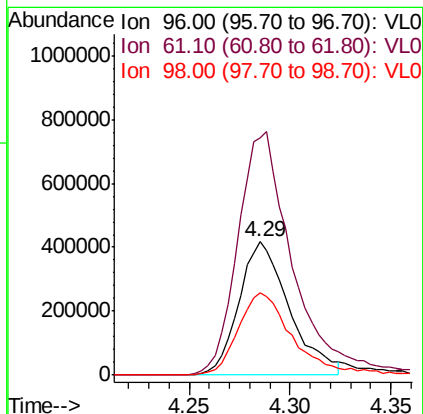
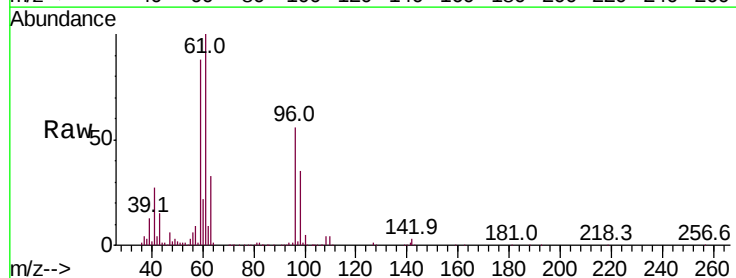
Tot Ion: 59 Resp: 1550667
Ion Ratio Lower Upper
59 100
57 11.1 8.3 12.5

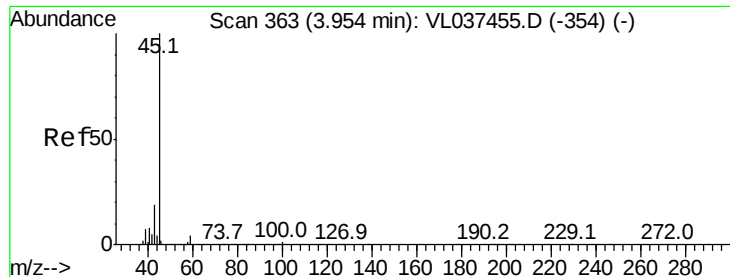


#18

1,1-Dichloroethene
Concen: 10.103 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.01 min
Lab File: VL037517.D
Acq: 3 Sep 2021 12:35

Tgt Ion: 96 Resp: 728879
Ion Ratio Lower Upper
96 100
61 178.1 151.1 226.7
98 62.0 51.8 77.8



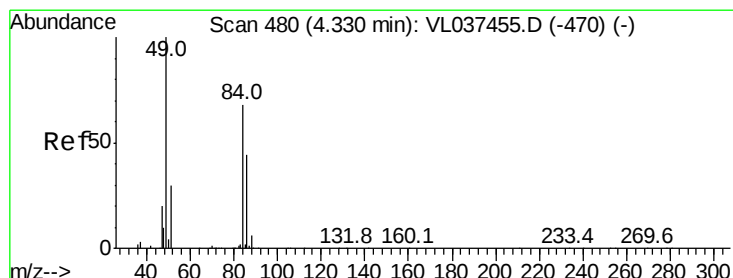
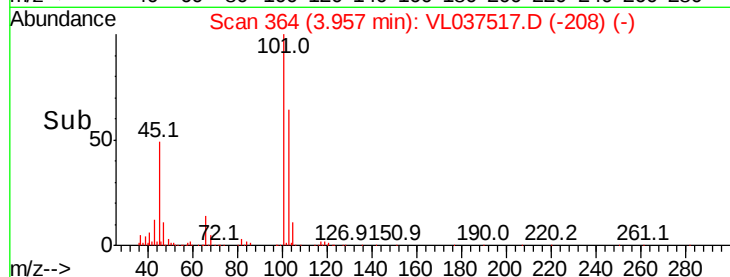
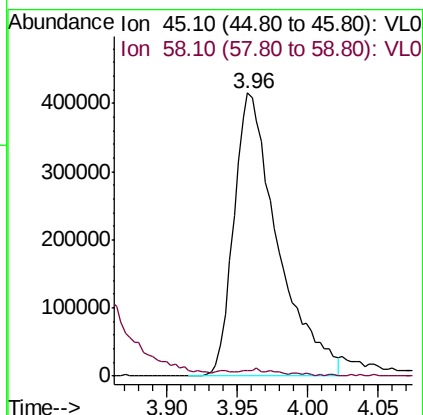
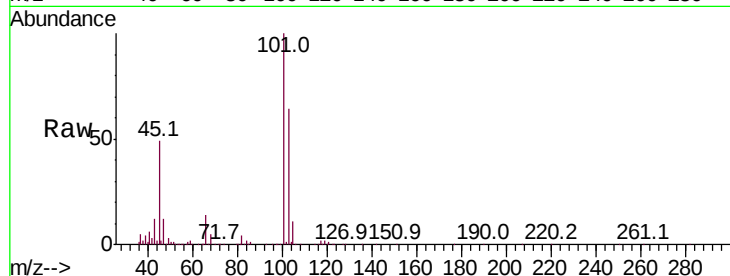


#19

Isopropyl Alcohol
 Concen: 10.816 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VL037517.D
 Acq: 3 Sep 2021 12:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS01

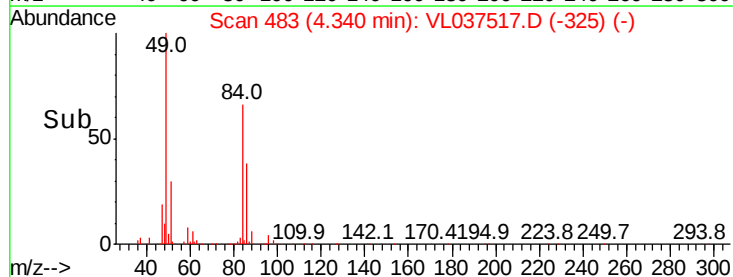
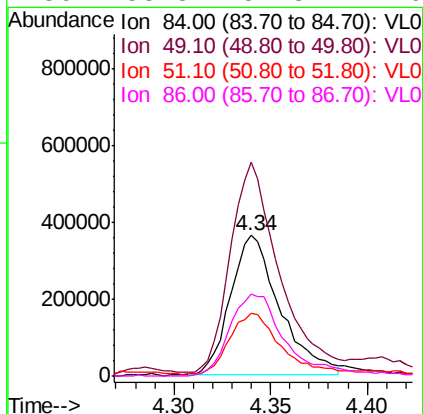
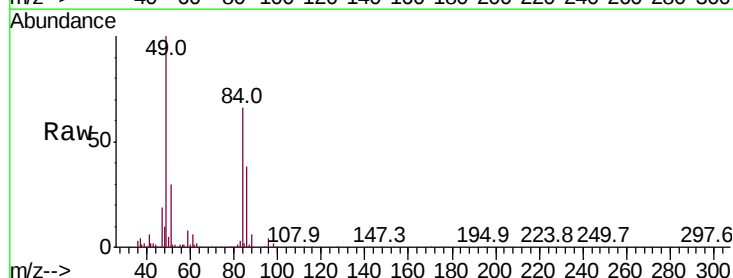
Tot Ion: 45 Resp: 906218
 Ion Ratio Lower Upper
 45 100
 58 2.3 1.4 2.2#

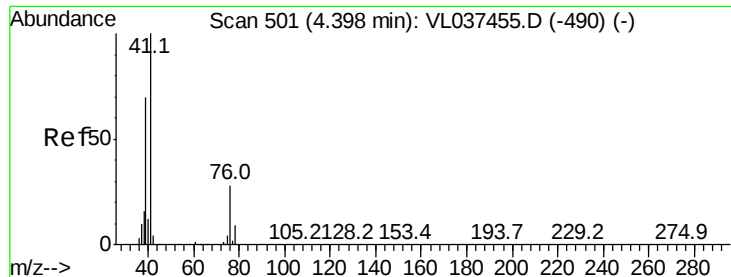


#20

Methylene Chloride
 Concen: 8.851 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. 0.01 min
 Lab File: VL037517.D
 Acq: 3 Sep 2021 12:35

Tgt Ion: 84 Resp: 648138
 Ion Ratio Lower Upper
 84 100
 49 150.6 118.2 177.2
 51 43.6 36.6 55.0
 86 58.3 51.8 77.6





#21

Allvl Chloride

Concen: 10.325 ppbv

RT: 4.41 min Scan# 504

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

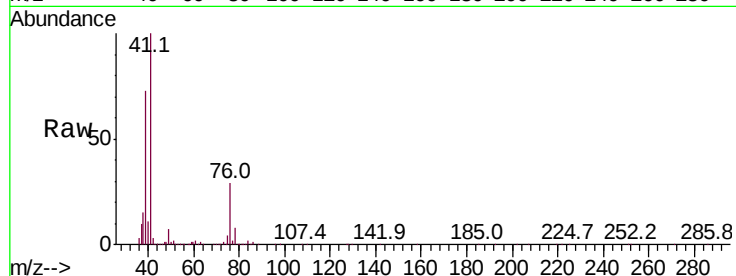
Tot Ion: 41 Resp: 1226550

Ion Ratio Lower Upper

41 100

76 29.7 21.8 32.6

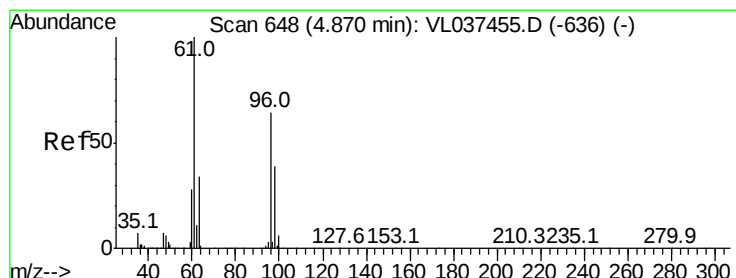
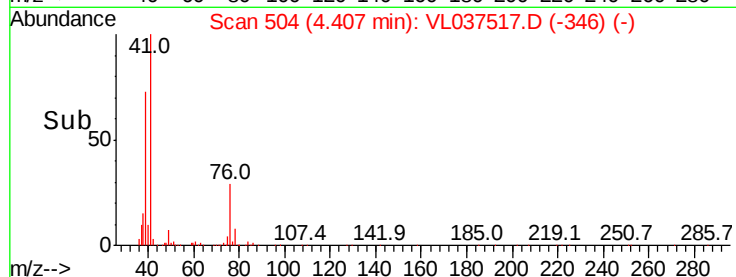
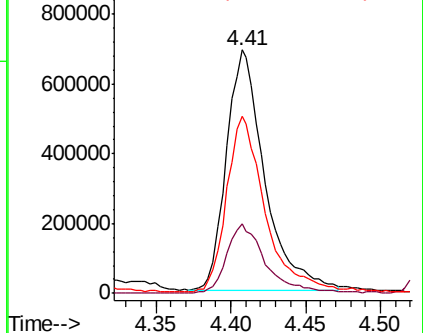
39 75.2 56.8 85.2



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: 10.902 ppbv

RT: 4.88 min Scan# 651

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

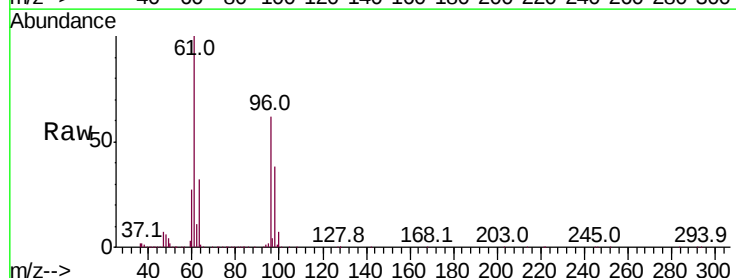
Tgt Ion: 96 Resp: 784746

Ion Ratio Lower Upper

96 100

61 162.5 125.5 188.3

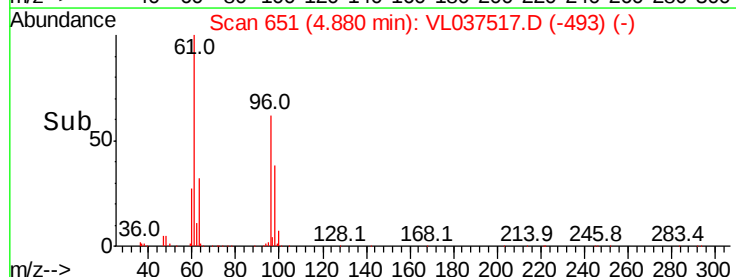
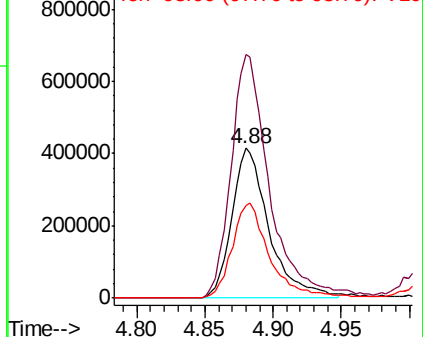
98 61.4 49.0 73.4

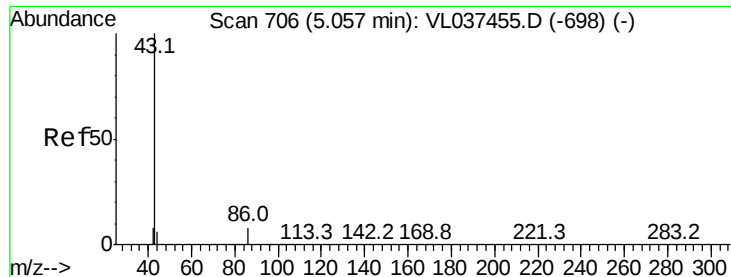


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



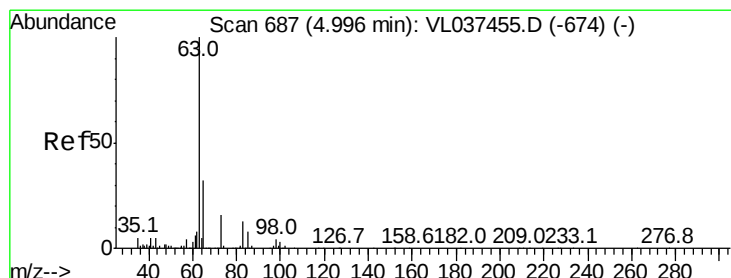
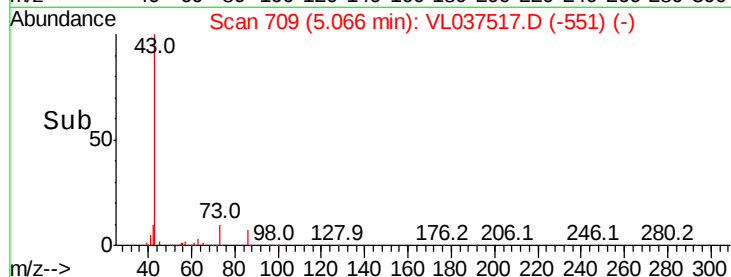
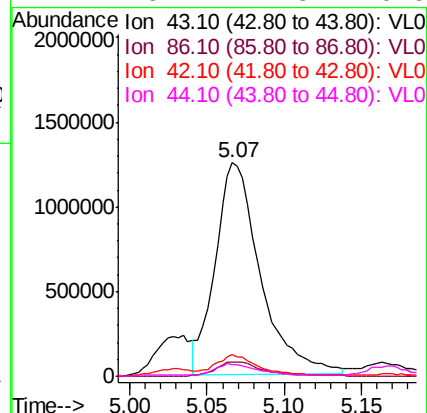
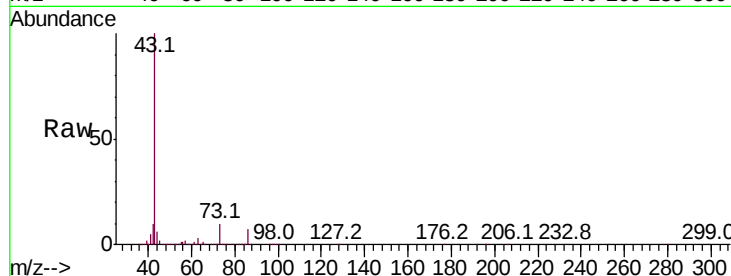


#23
 Vinyl Acetate
 Concen: 11.840 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VL037517.D
 Acq: 3 Sep 2021 12:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS01

Tot Ion: 43 Resp: 2552371

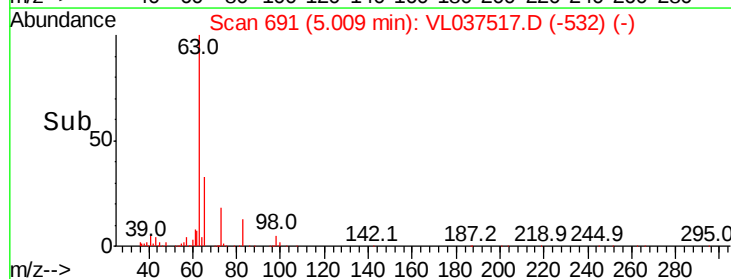
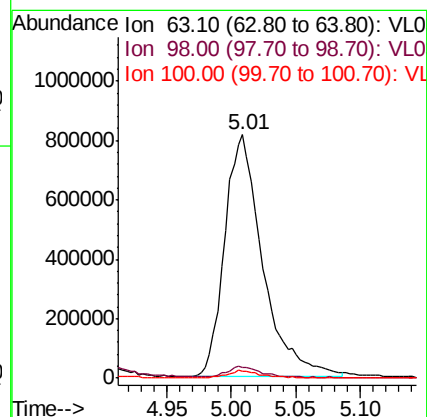
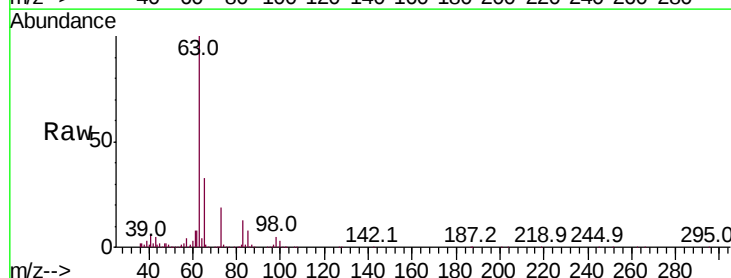
Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.7	8.5
42	10.1	7.4	11.2
44	5.1	4.3	6.5

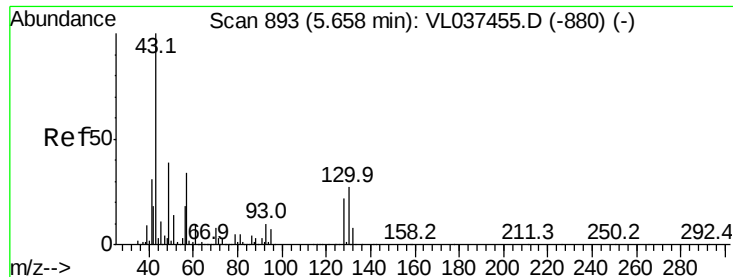


#24
 1,1-Dichloroethane
 Concen: 10.679 ppbv
 RT: 5.01 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VL037517.D
 Acq: 3 Sep 2021 12:35

Tgt Ion: 63 Resp: 1669630

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.1	6.3
100	2.7	1.6	4.7



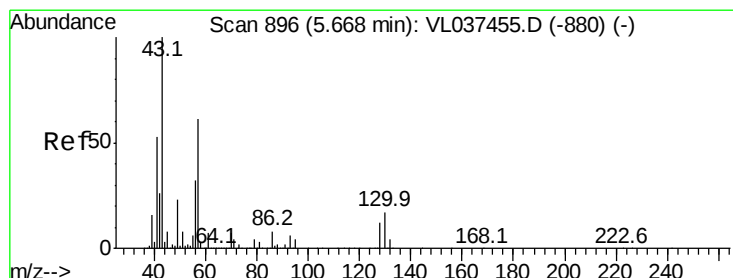
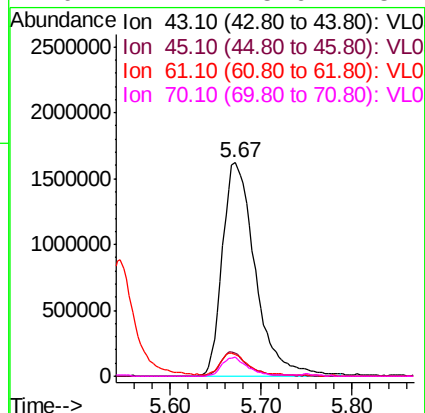
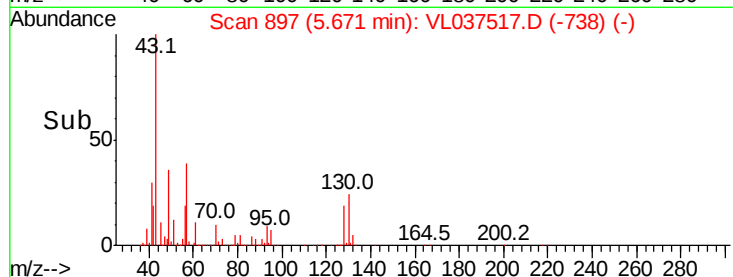
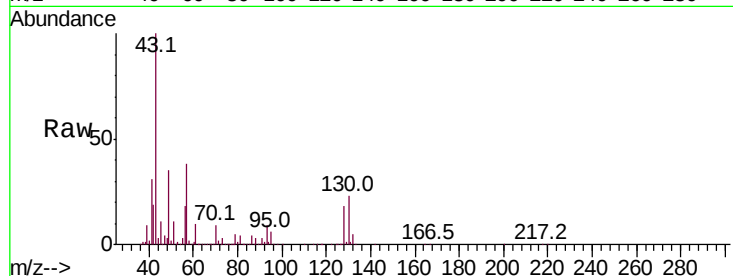


#25
Ethyl Acetate
Concen: 10.941 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL037517.D
Acq: 3 Sep 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS01

Tot Ion: 43 Resp: 4062276

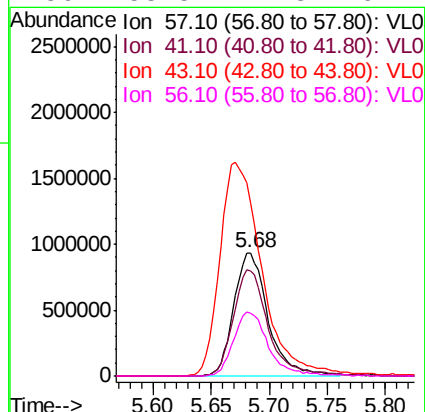
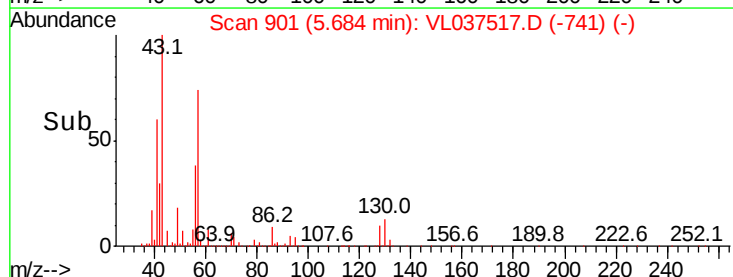
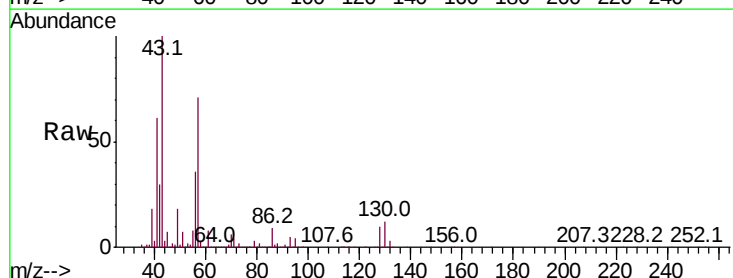
Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	10.0	8.0	12.0
70	7.2	5.6	8.4

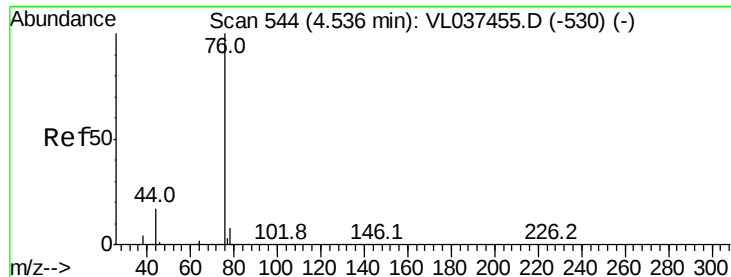


#26
Hexane
Concen: 10.520 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.02 min
Lab File: VL037517.D
Acq: 3 Sep 2021 12:35

Tgt Ion: 57 Resp: 1909655

Ion	Ratio	Lower	Upper
57	100		
41	88.6	72.3	108.5
43	214.7	172.3	258.5
56	53.5	42.8	64.2





#27

Carbon Disulfide

Concen: 11.312 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

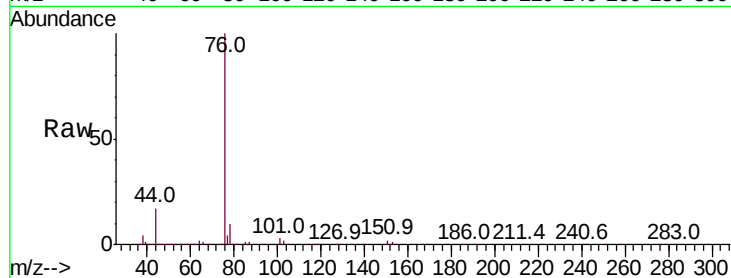
Tot Ion: 76 Resp: 1830042

Ion Ratio Lower Upper

76 100

44 17.8 13.9 20.9

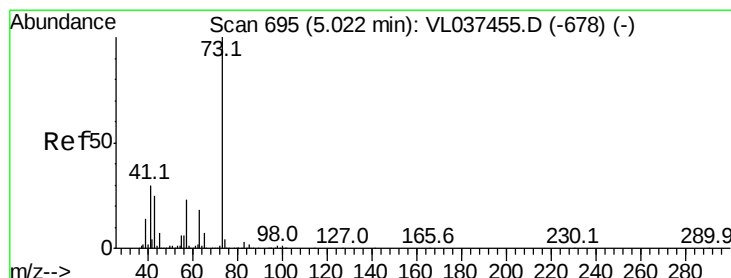
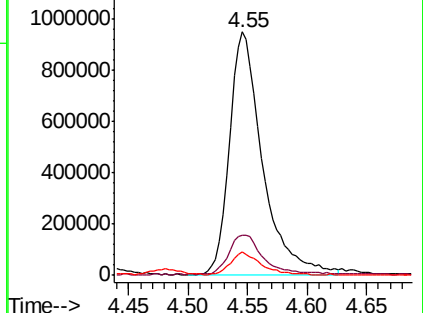
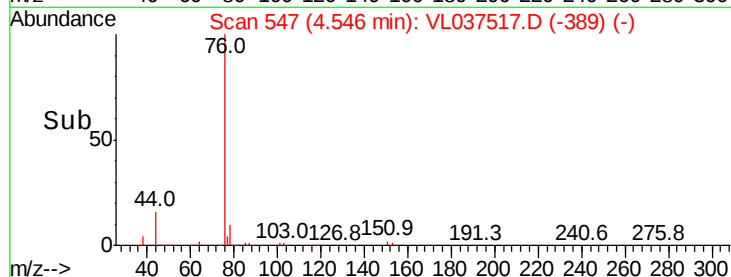
78 9.1 7.9 11.9



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: 11.276 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.01 min

Lab File: VL037517.D

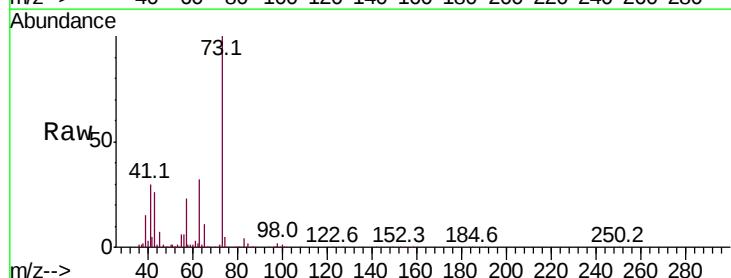
Acq: 3 Sep 2021 12:35

Tgt Ion: 73 Resp: 1965864

Ion Ratio Lower Upper

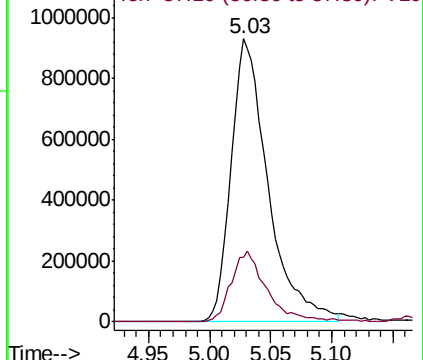
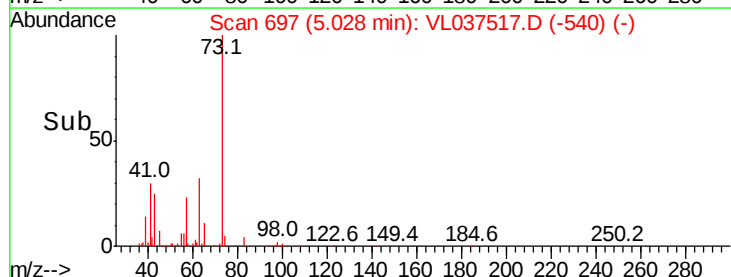
73 100

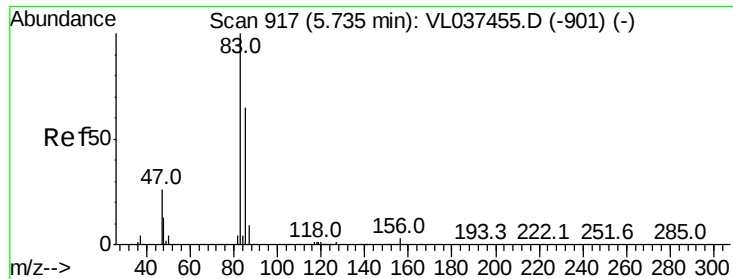
57 24.3 19.4 29.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

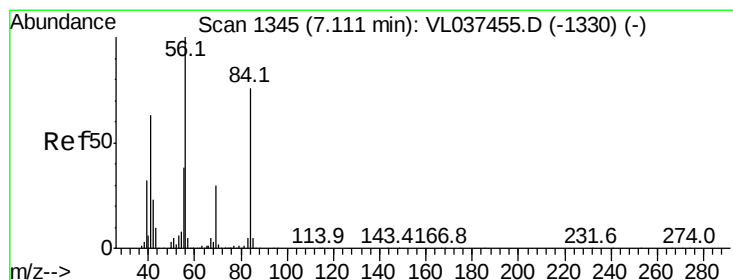
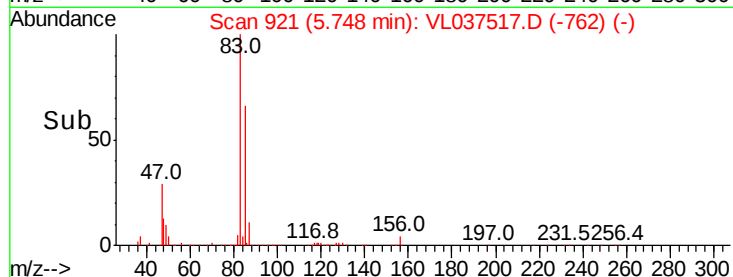
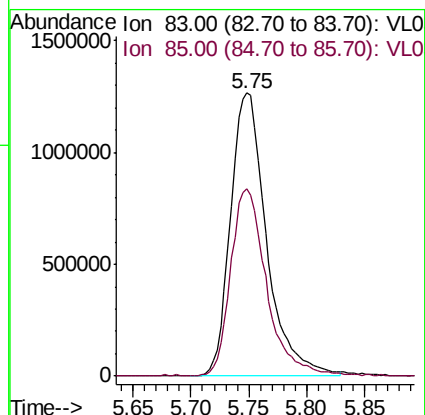
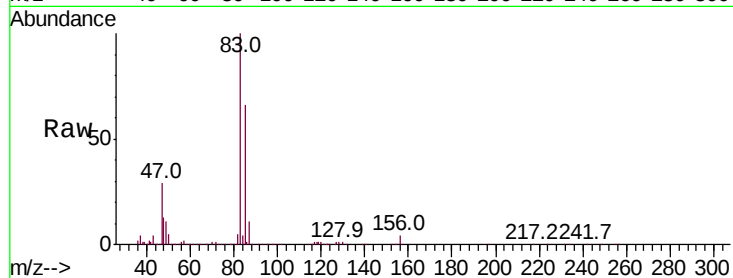




#29
Chloroform
Concen: 10.571 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.01 min
Lab File: VL037517.D
Acq: 3 Sep 2021 12:35

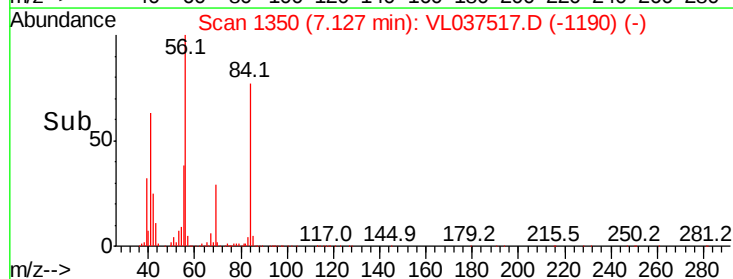
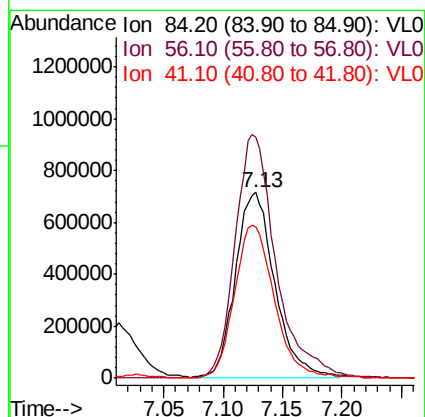
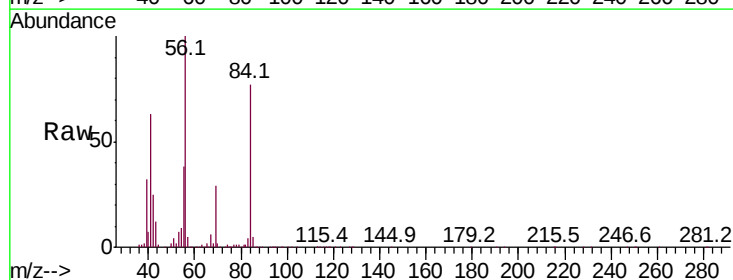
Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS01

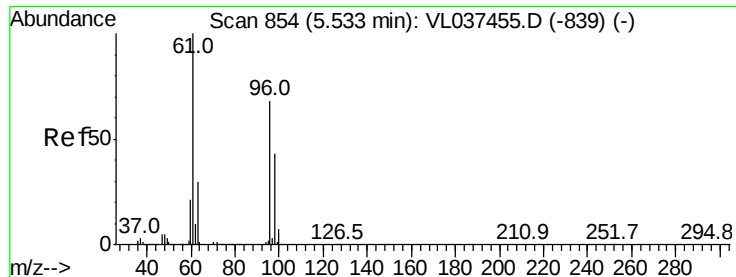
Tot Ion: 83 Resp: 2719665
Ion Ratio Lower Upper
83 100
85 66.3 52.3 78.5



#30
Cyclohexane
Concen: 10.702 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.02 min
Lab File: VL037517.D
Acq: 3 Sep 2021 12:35

Tgt Ion: 84 Resp: 1618670
Ion Ratio Lower Upper
84 100
56 138.4 110.6 165.8
41 85.0 67.0 100.6



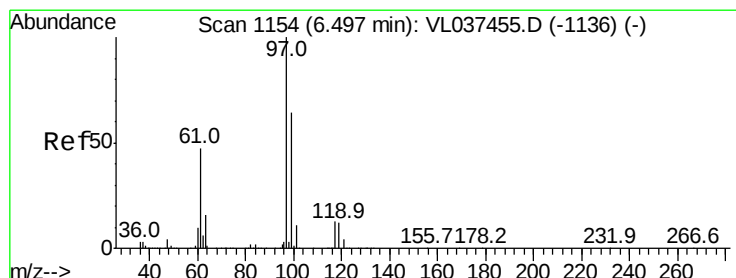
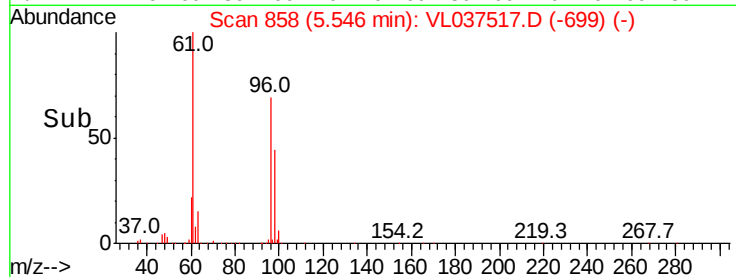
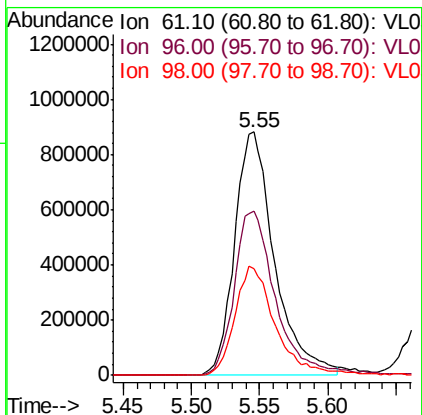
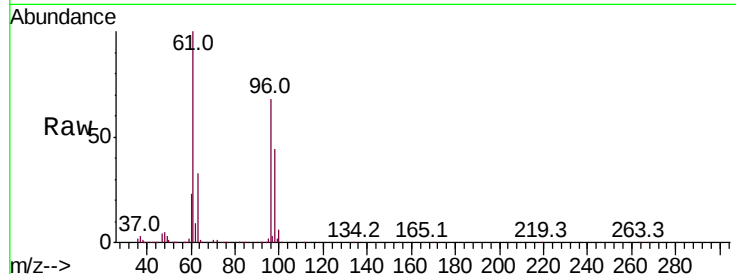


#31

cis-1,2-Dichloroethene
 Concen: 10.859 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.01 min
 Lab File: VL037517.D
 Acq: 3 Sep 2021 12:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS01

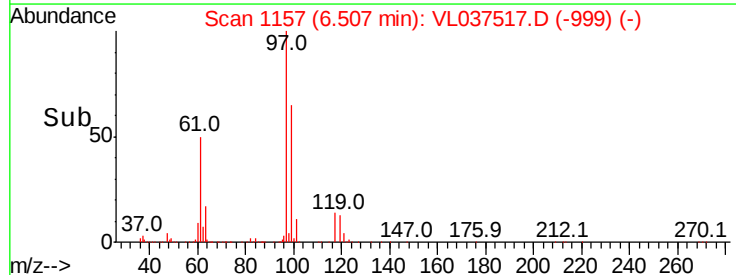
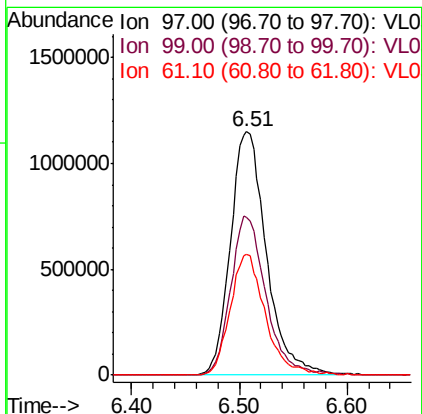
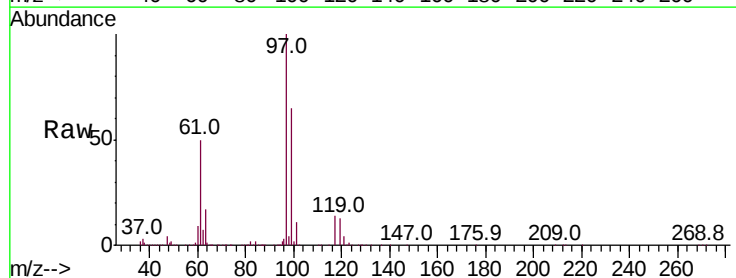
Tot Ion: 61 Resp: 1784160
 Ion Ratio Lower Upper
 61 100
 96 67.6 54.8 82.2
 98 44.0 34.2 51.2

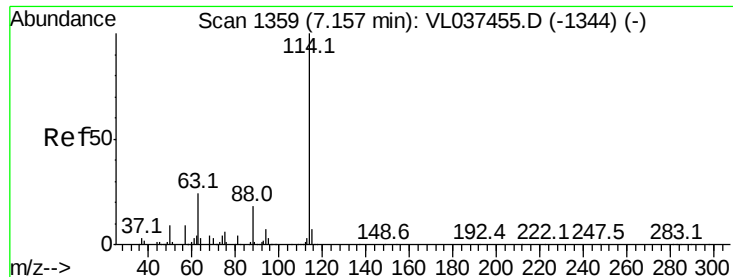


#32

1,1,1-Trichloroethane
 Concen: 10.577 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.01 min
 Lab File: VL037517.D
 Acq: 3 Sep 2021 12:35

Tgt Ion: 97 Resp: 2673651
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.8 77.6
 61 48.7 39.6 59.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. 0.01 min

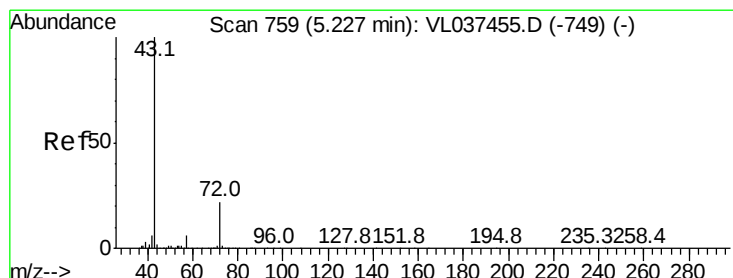
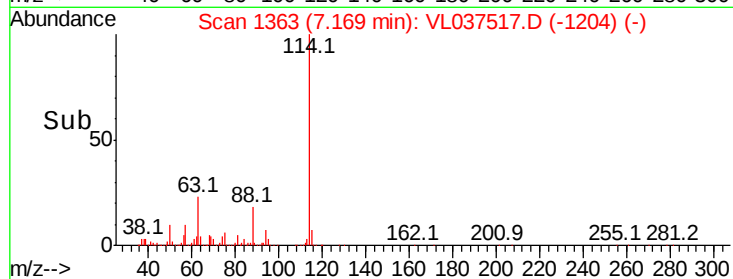
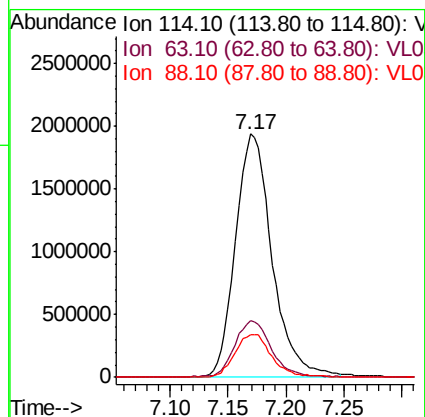
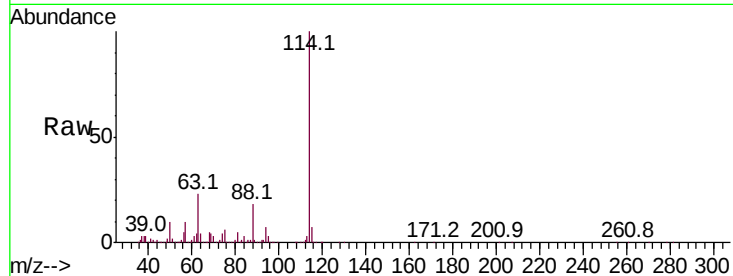
Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS01

Tot Ion:114 Resp: 4250880

Ion	Ratio	Lower	Upper
114	100		
63	23.6	19.3	28.9
88	18.0	14.2	21.4



#34

2-Butanone

Concen: 10.085 ppbv

RT: 5.24 min Scan# 763

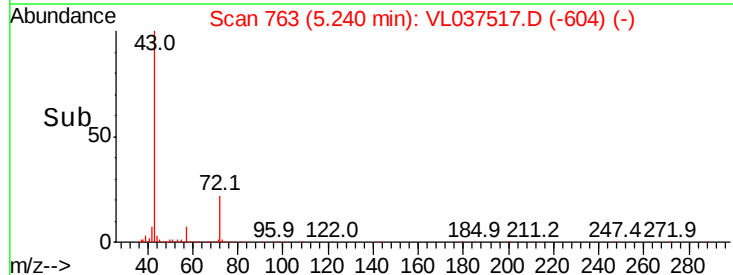
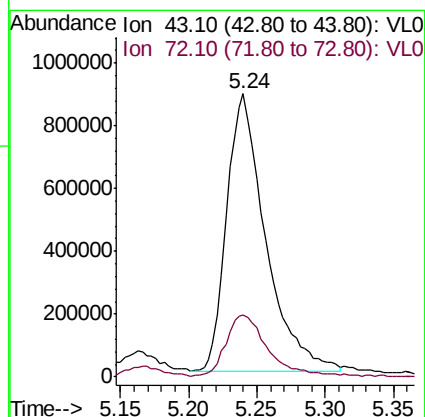
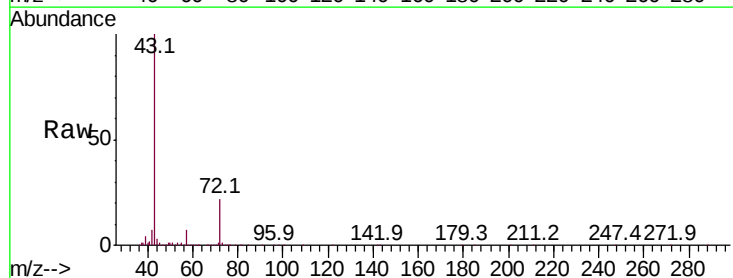
Delta R.T. 0.01 min

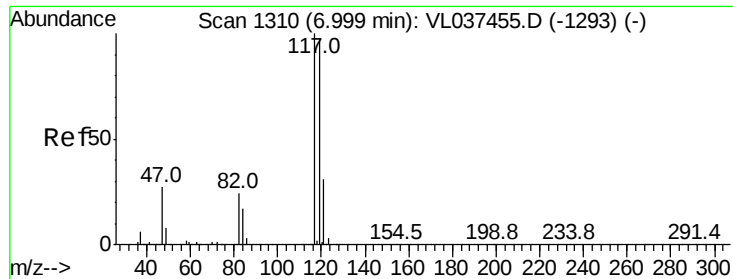
Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Tgt Ion: 43 Resp: 1750694

Ion	Ratio	Lower	Upper
43	100		
72	24.7	17.4	26.0





#35

Carbon Tetrachloride

Concen: 10.833 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

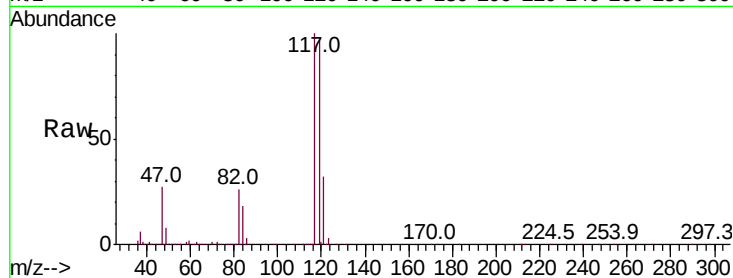
Tot Ion:117 Resp: 2721603

Ion Ratio Lower Upper

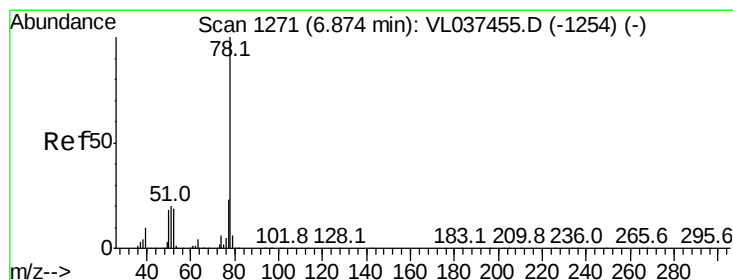
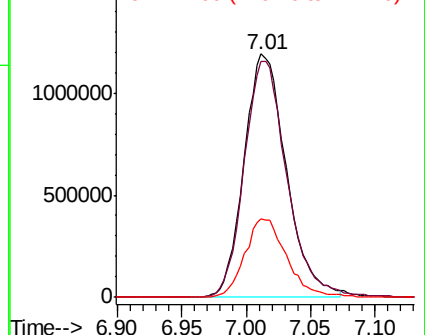
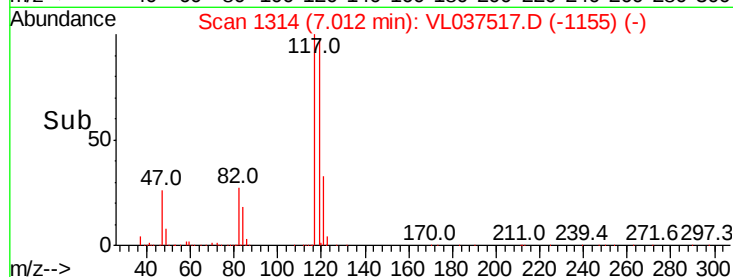
117 100

119 97.0 77.3 115.9

121 32.5 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: 11.079 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

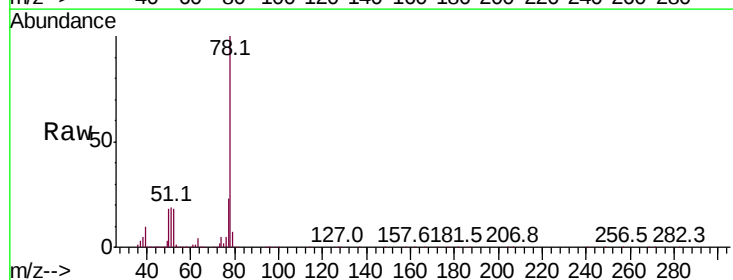
Tgt Ion: 78 Resp: 3958951

Ion Ratio Lower Upper

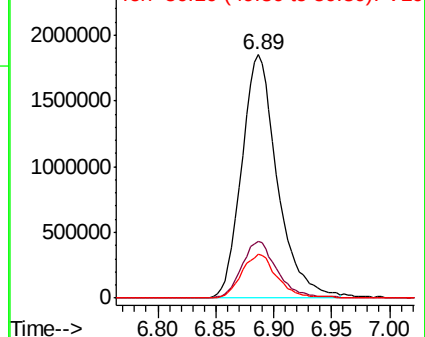
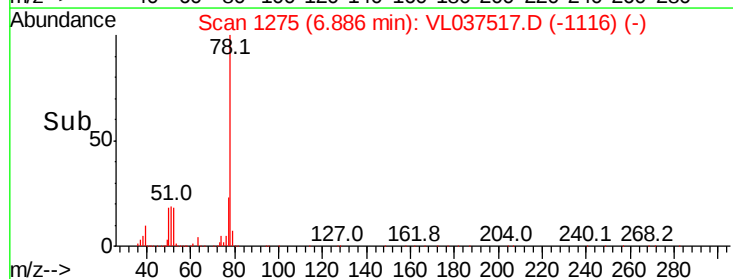
78 100

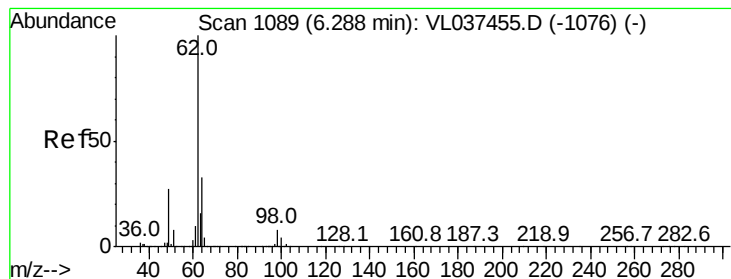
77 23.0 18.2 27.4

50 18.1 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: 11.074 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :

MSVOA_L

ClientSampleId :

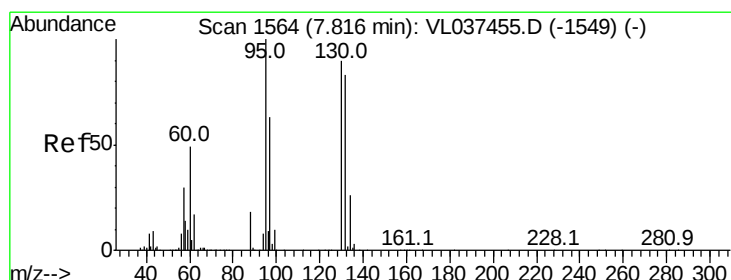
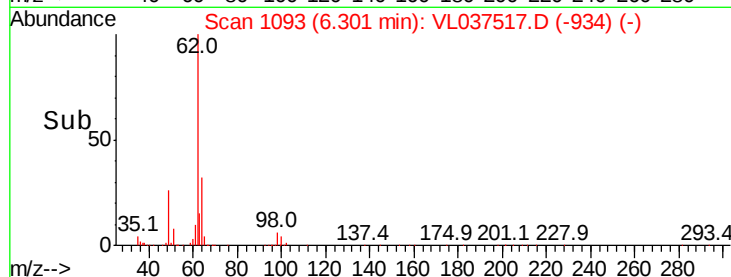
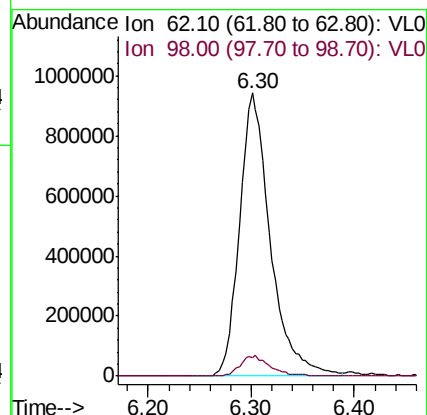
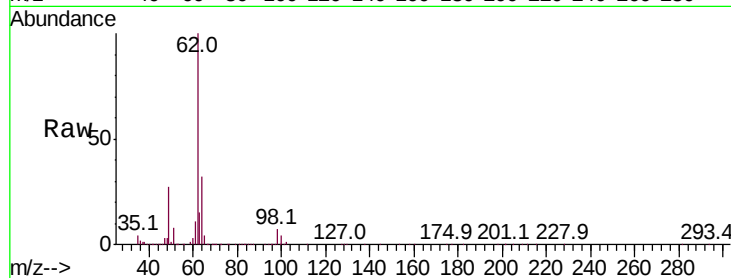
VL0903ABS01

Tot Ion: 62 Resp: 1960253

Ion Ratio Lower Upper

62 100

98 7.3 6.0 9.0



#38

Trichloroethene

Concen: 10.478 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Tgt Ion:130 Resp: 1536288

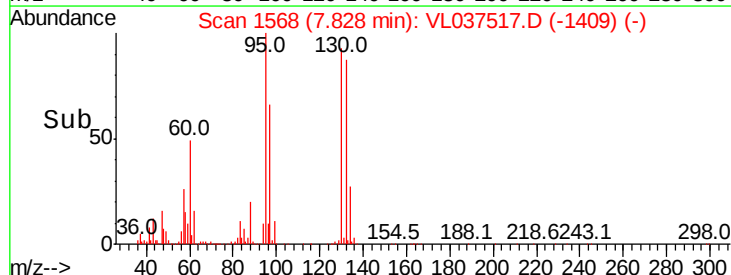
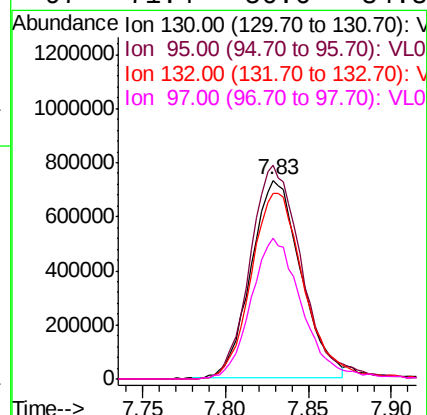
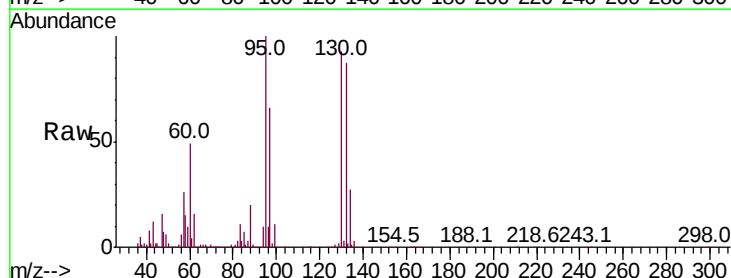
Ion Ratio Lower Upper

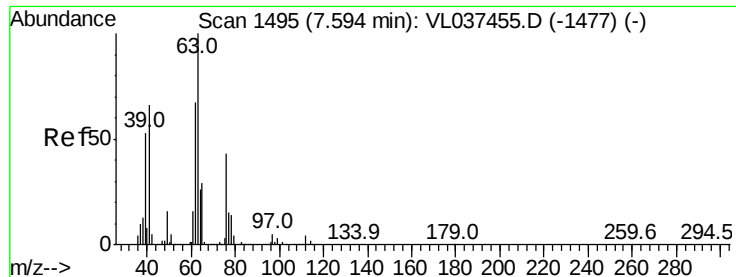
130 100

95 107.8 89.2 133.8

132 93.7 74.0 111.0

97 71.4 56.6 84.8





#39

1,2-Dichloropropane

Concen: 10.954 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

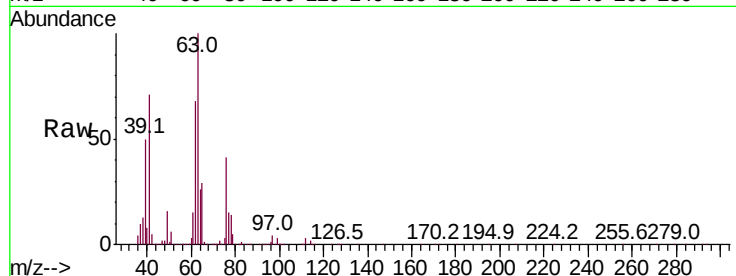
Tot Ion: 63 Resp: 1504137

Ion Ratio Lower Upper

63 100

41 70.9 52.4 78.6

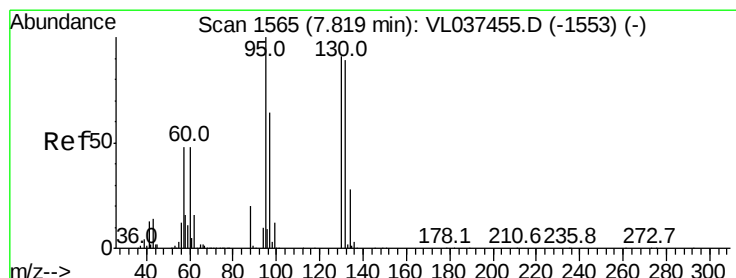
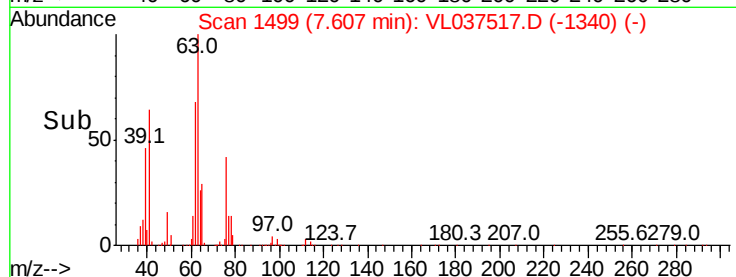
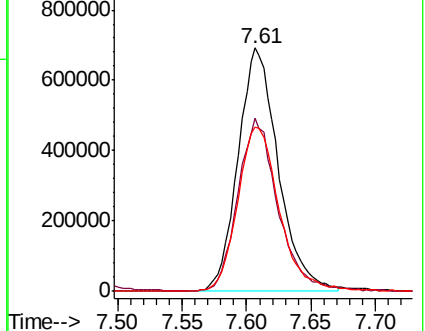
62 67.3 53.6 80.4



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: 4.587 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Tgt Ion: 88 Resp: 154298

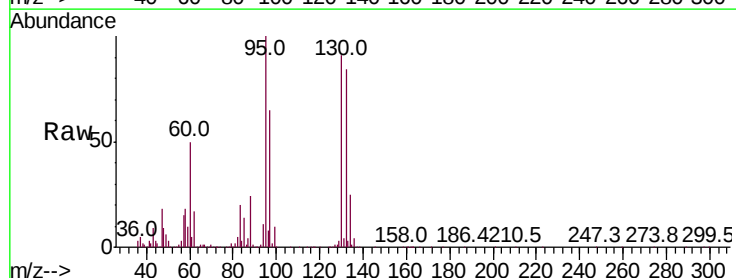
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

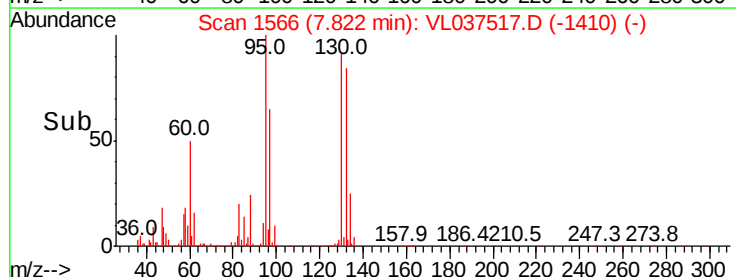
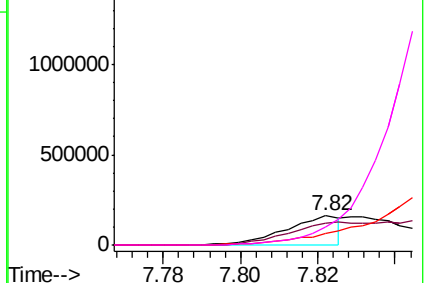


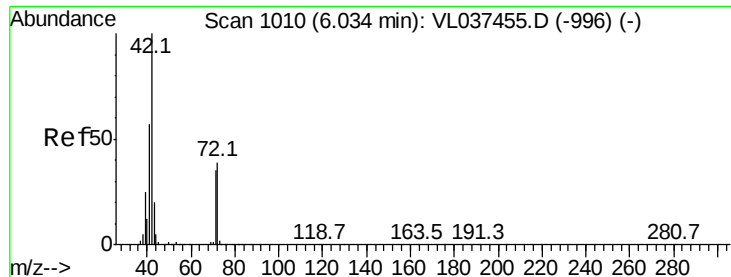
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 11.201 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

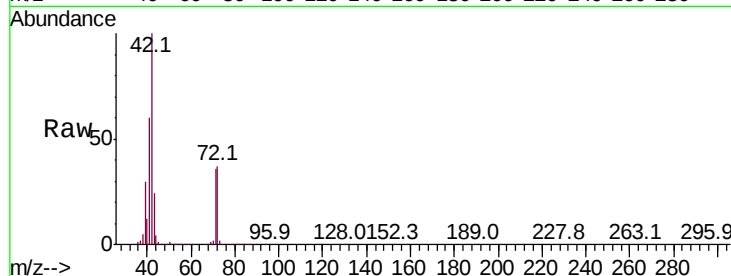
Tot Ion: 42 Resp: 936682

Ion Ratio Lower Upper

42 100

72 40.4 32.2 48.4

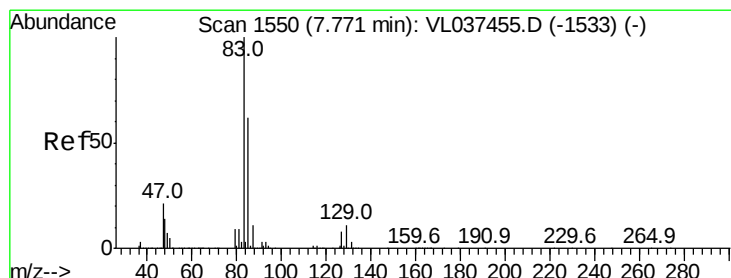
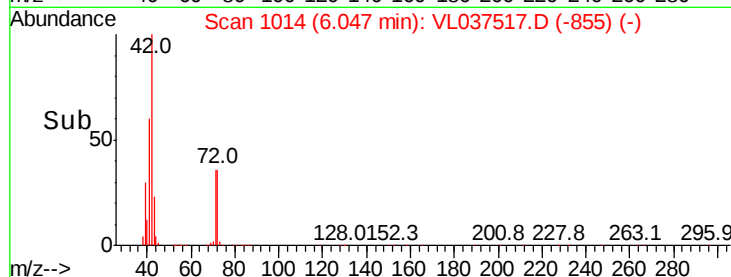
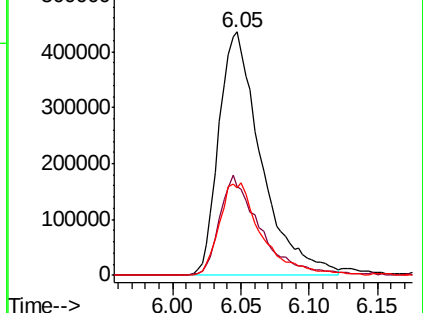
71 38.7 30.5 45.7



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: 11.206 ppbv

RT: 7.78 min Scan# 1554

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

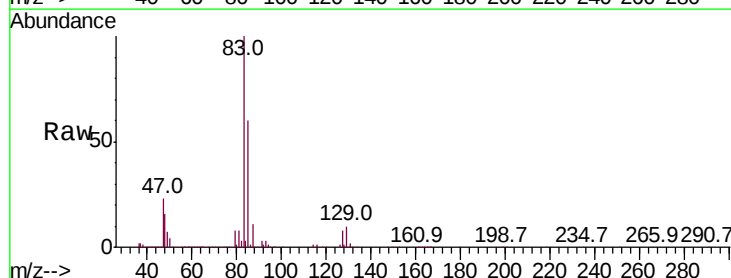
Tgt Ion: 83 Resp: 2900412

Ion Ratio Lower Upper

83 100

85 60.2 49.5 74.3

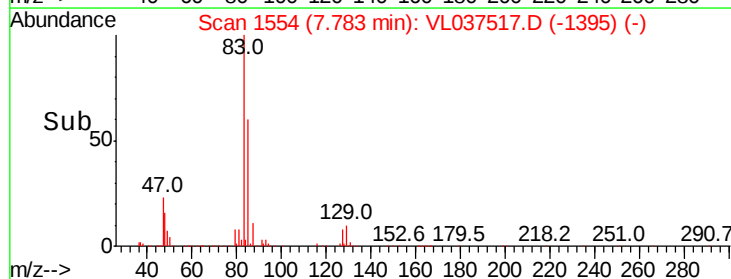
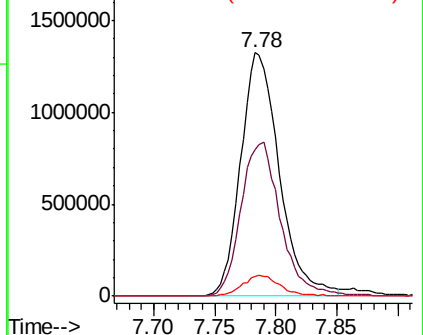
127 8.2 6.3 9.5

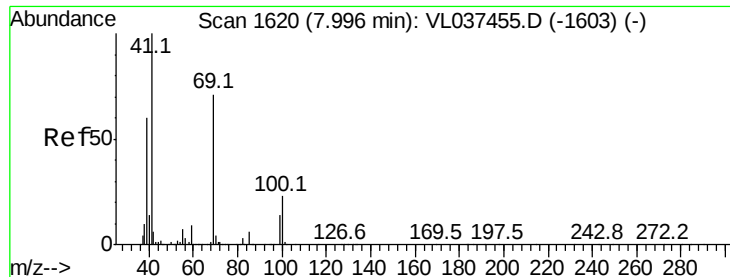


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methvl Methacrilate

Concen: 11.506 ppbv

RT: 8.01 min Scan# 1624

Delta R.T. 0.01 min

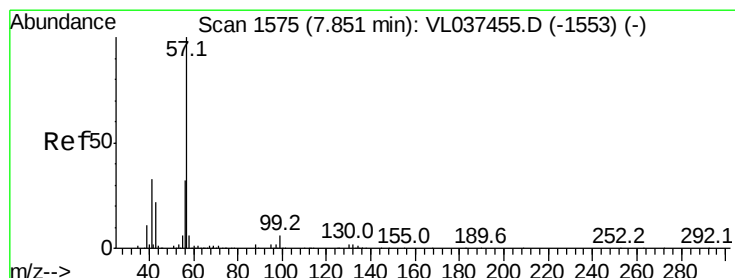
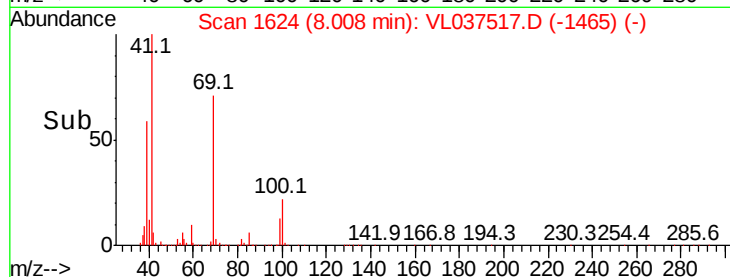
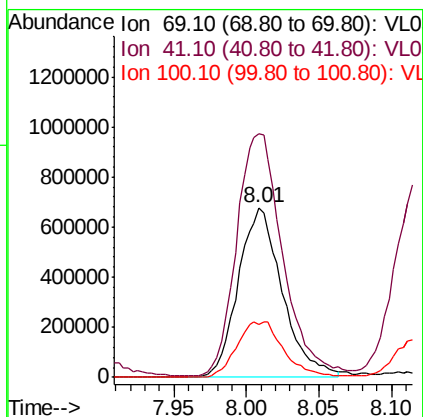
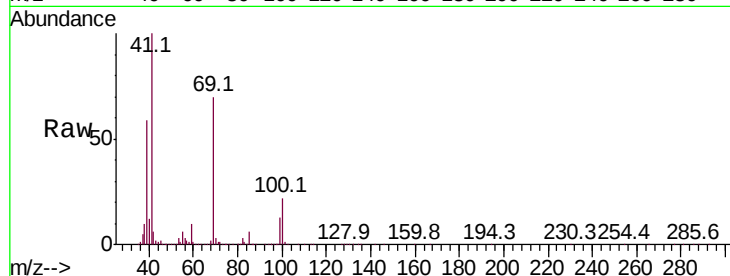
Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS01

Tot Ion: 69 Resp: 1433091

Ion	Ratio	Lower	Upper
69	100		
41	150.2	118.6	178.0
100	34.6	27.4	41.0



#44

2,2,4-Trimethylpentane

Concen: 10.794 ppbv

RT: 7.86 min Scan# 1579

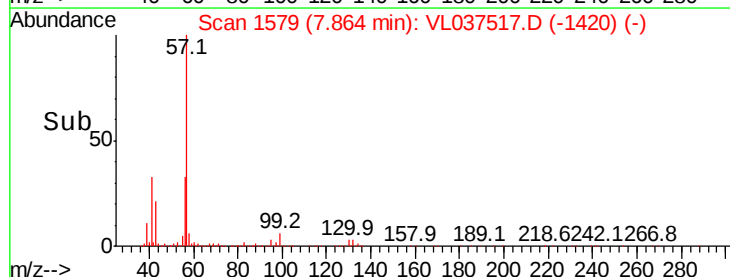
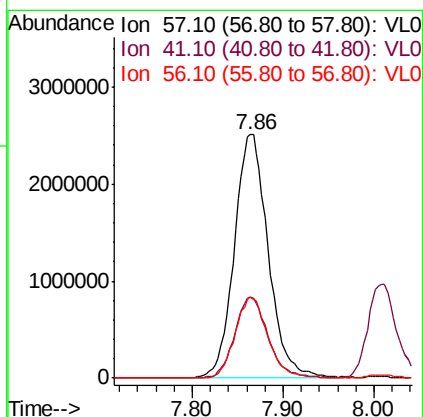
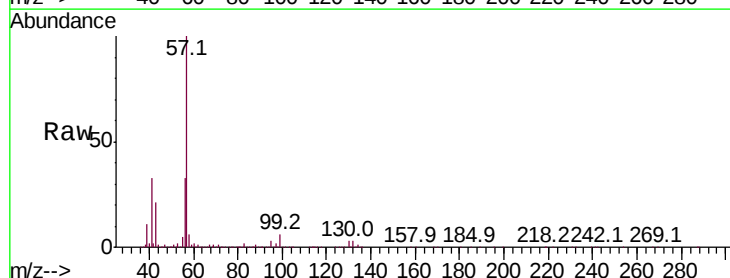
Delta R.T. 0.01 min

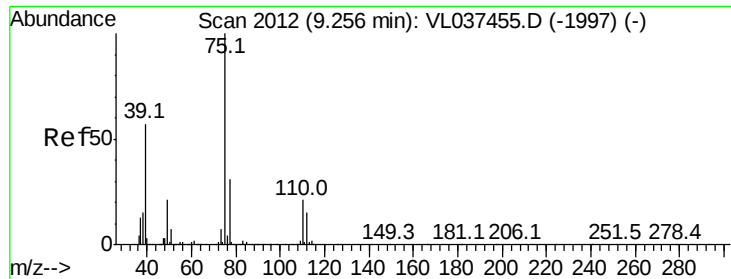
Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Tgt Ion: 57 Resp: 6491777

Ion	Ratio	Lower	Upper
57	100		
41	32.8	26.2	39.4
56	32.0	25.4	38.2





#45

t-1,3-Dichloropropene

Concen: 13.458 ppbv

RT: 9.27 min Scan# 2017

Delta R.T. 0.02 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :

MSVOA_L

ClientSampleId :

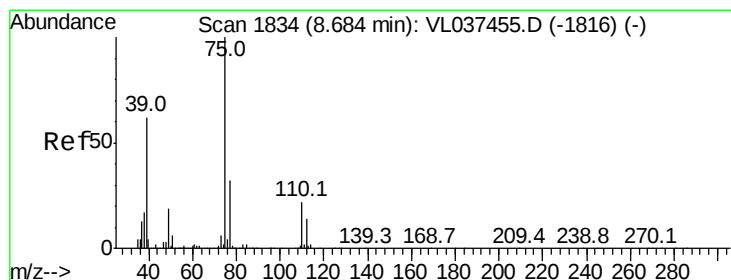
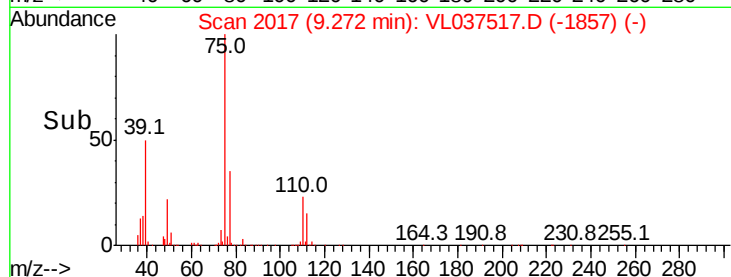
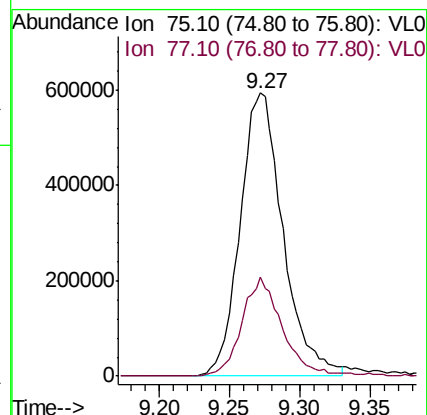
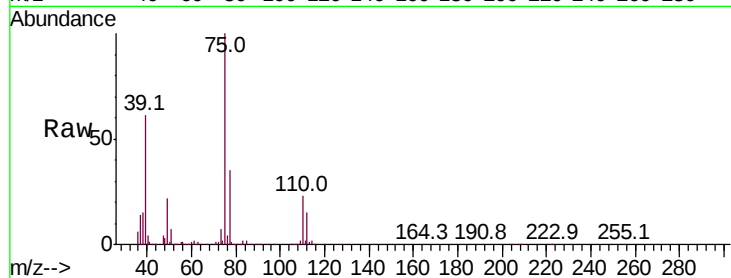
VL0903ABS01

Tot Ion: 75 Resp: 1261820

Ion Ratio Lower Upper

75 100

77 34.9 24.5 36.7



#46

cis-1,3-Dichloropropene

Concen: 12.786 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

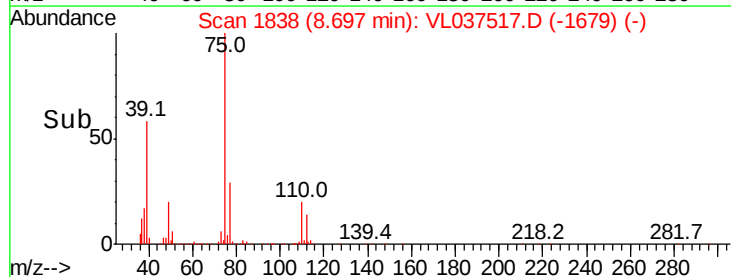
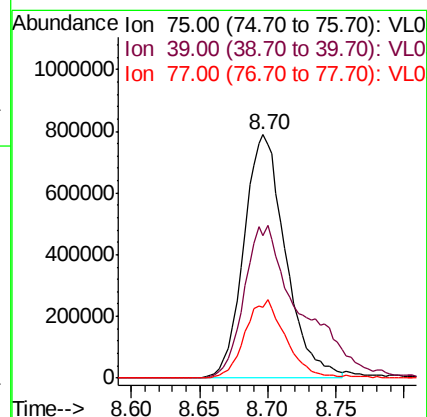
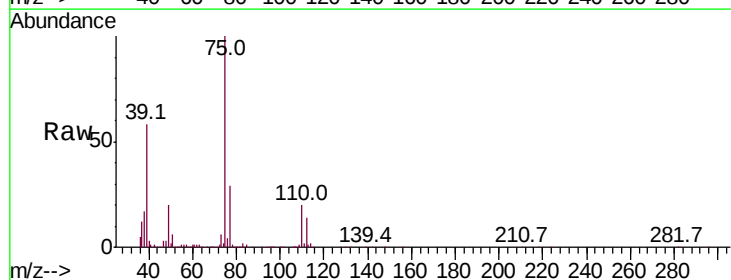
Tgt Ion: 75 Resp: 1672337

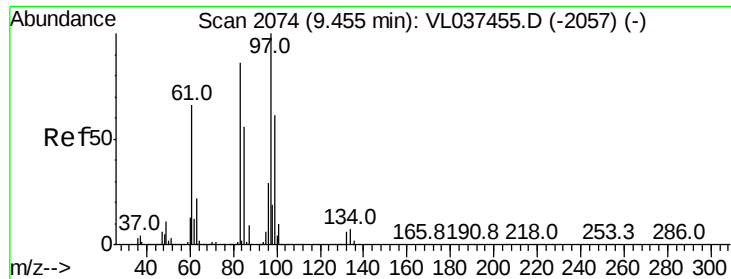
Ion Ratio Lower Upper

75 100

39 58.2 49.7 74.5

77 29.1 25.4 38.0



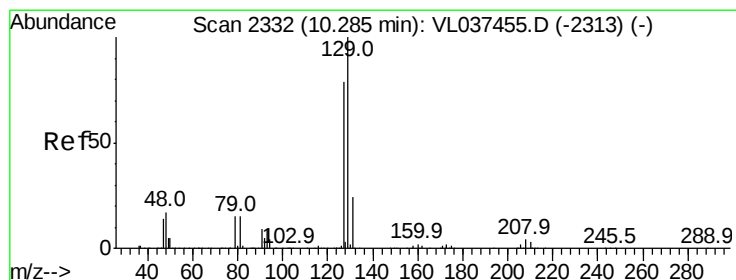
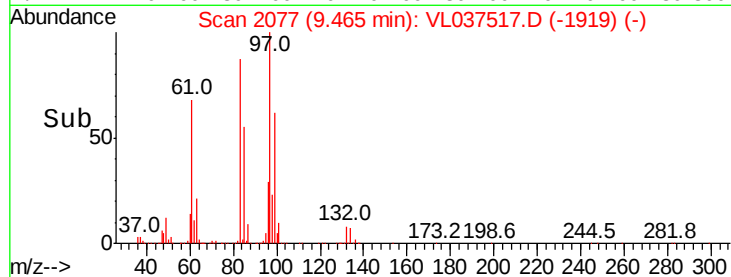
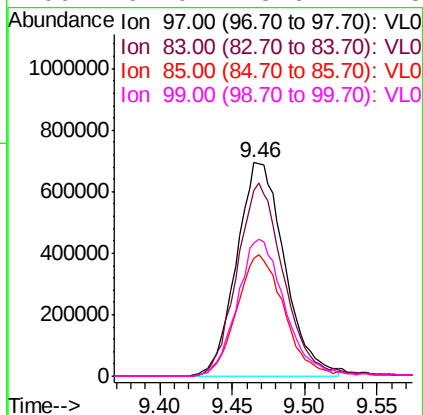
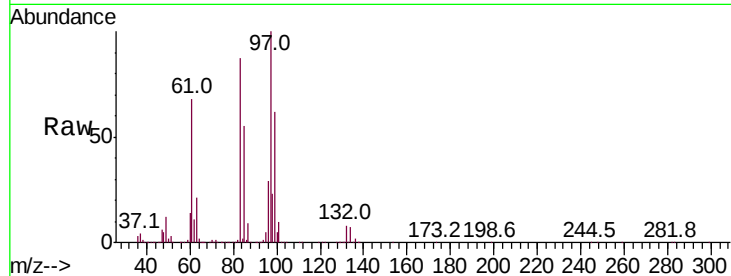


#47
 1,1,2-Trichloroethane
 Concen: 10.754 ppbv
 RT: 9.46 min Scan# 2077
 Delta R.T. 0.01 min
 Lab File: VL037517.D
 Acq: 3 Sep 2021 12:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS01

Tot Ion: 97 Resp: 1595530

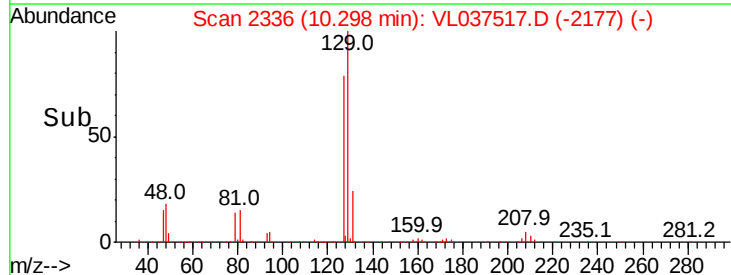
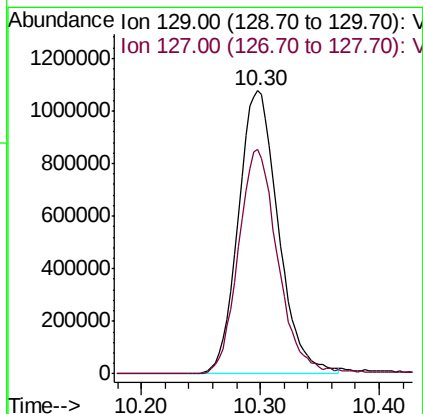
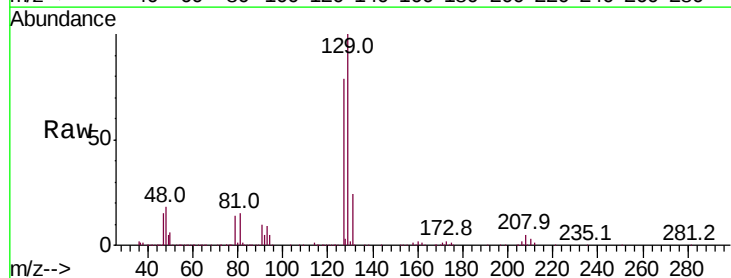
Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.7	103.1
85	55.1	44.7	67.1
99	62.0	48.6	72.8

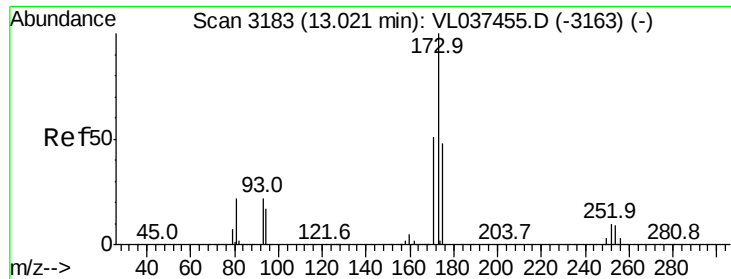


#48
 Dibromochloromethane
 Concen: 11.737 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. 0.01 min
 Lab File: VL037517.D
 Acq: 3 Sep 2021 12:35

Tgt Ion: 129 Resp: 2505943

Ion	Ratio	Lower	Upper
129	100		
127	79.7	40.0	120.0





#49

Bromoform

Concen: 11.710 ppbv

RT: 13.03 min Scan# 3186

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

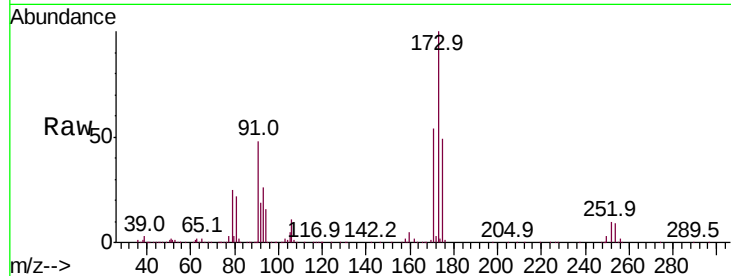
Tot Ion:173 Resp: 1970921

Ion Ratio Lower Upper

173 100

175 52.5 41.9 62.9

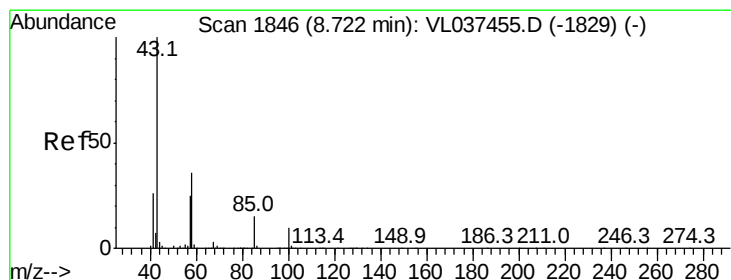
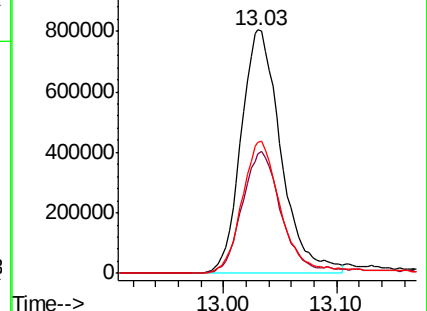
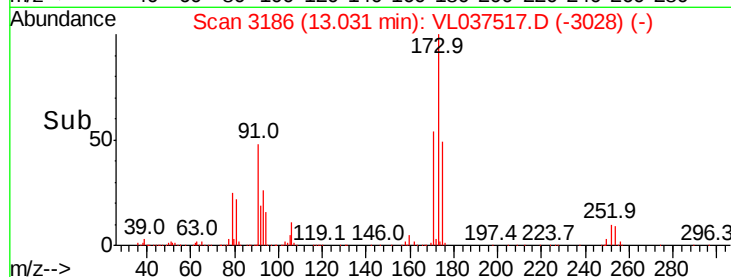
171 53.6 44.2 66.4



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: 11.559 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. 0.01 min

Lab File: VL037517.D

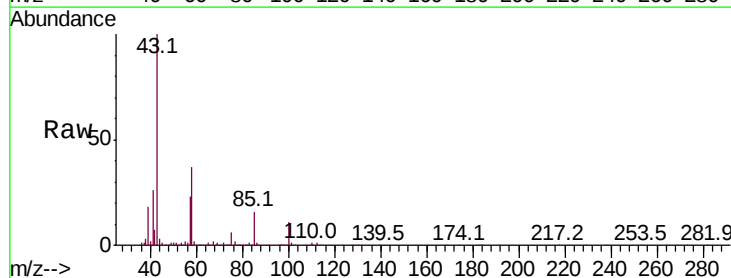
Acq: 3 Sep 2021 12:35

Tgt Ion: 43 Resp: 2617592

Ion Ratio Lower Upper

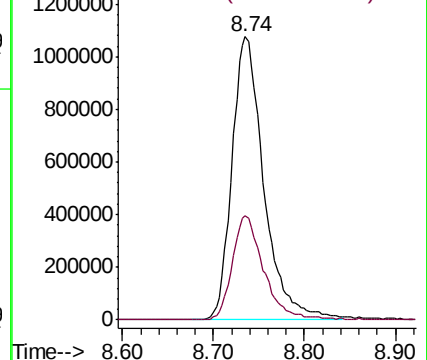
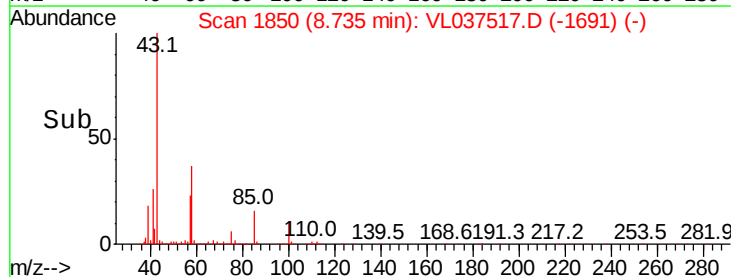
43 100

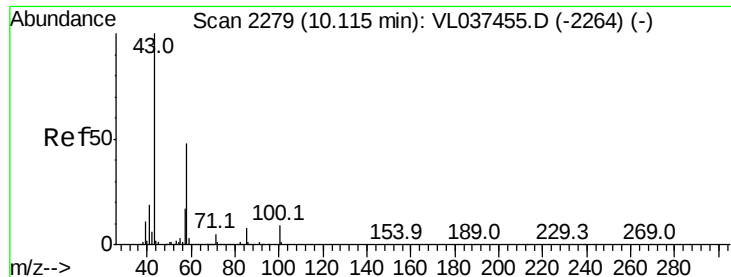
58 36.3 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

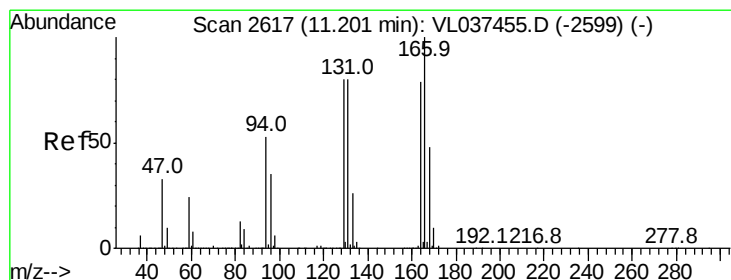
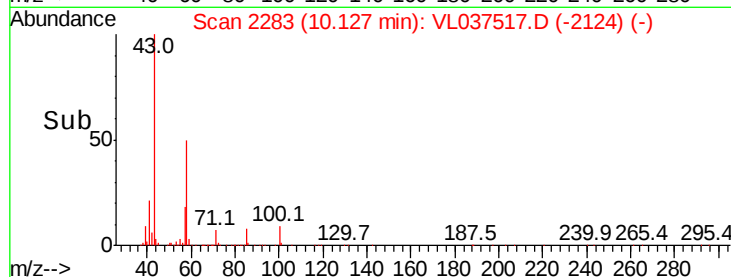
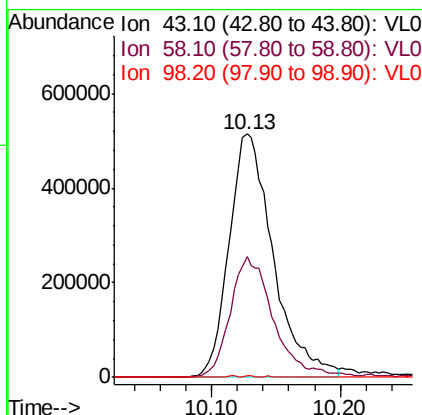
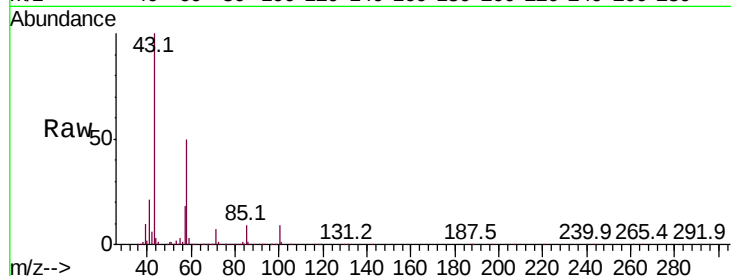




#51
2-Hexanone
Concen: 11.697 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. 0.01 min
Lab File: VL037517.D
Acq: 3 Sep 2021 12:35

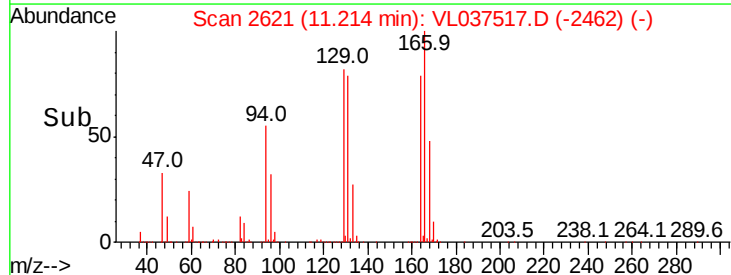
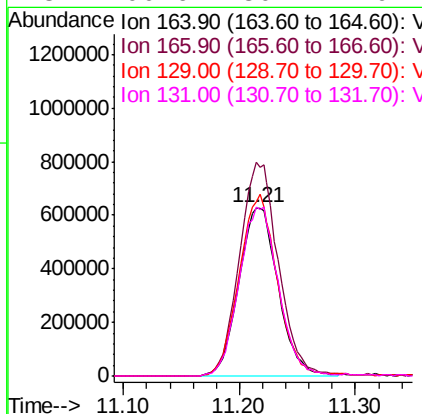
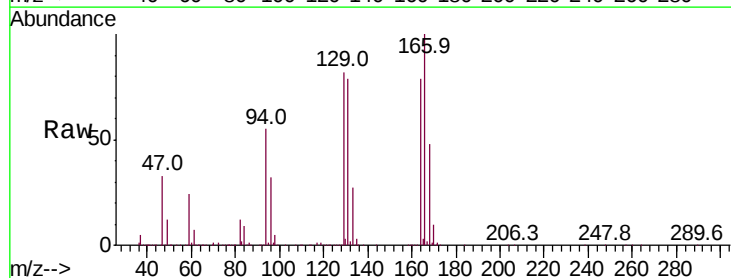
Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS01

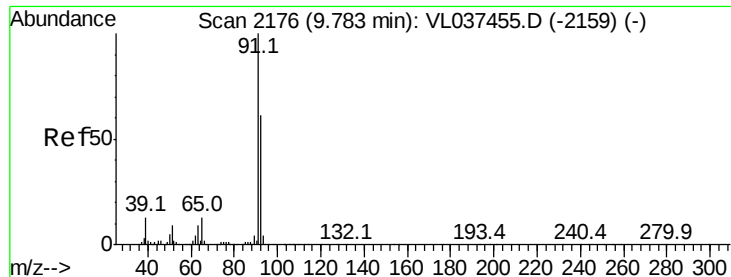
Tot Ion: 43 Resp: 1218353
Ion Ratio Lower Upper
43 100
58 49.7 41.0 61.6
98 0.3 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.079 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. 0.01 min
Lab File: VL037517.D
Acq: 3 Sep 2021 12:35

Tgt Ion: 164 Resp: 1475968
Ion Ratio Lower Upper
164 100
166 126.9 100.7 151.1
129 103.6 80.9 121.3
131 100.6 80.2 120.4





#53

Toluene

Concen: 11.334 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. 0.02 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :

MSVOA_L

ClientSampleId :

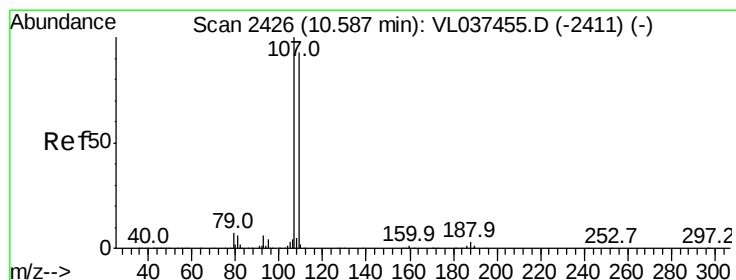
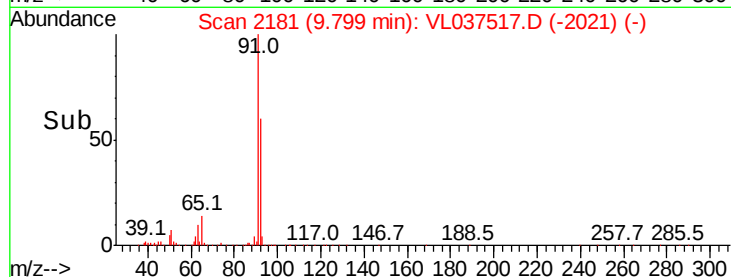
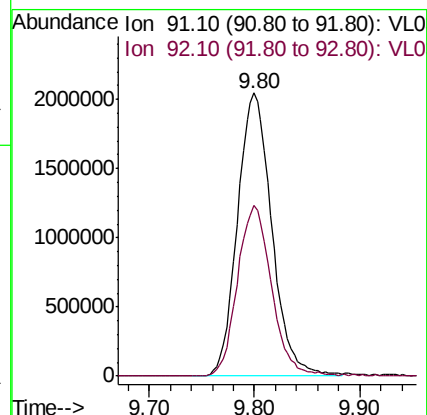
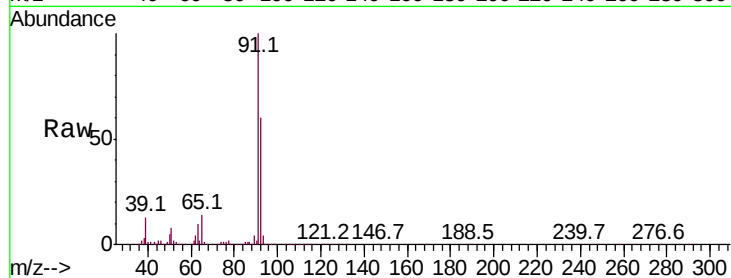
VL0903ABS01

Tot Ion: 91 Resp: 4624611

Ion Ratio Lower Upper

91 100

92 60.5 48.8 73.2



#54

1,2-Dibromoethane

Concen: 11.101 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. 0.02 min

Lab File: VL037517.D

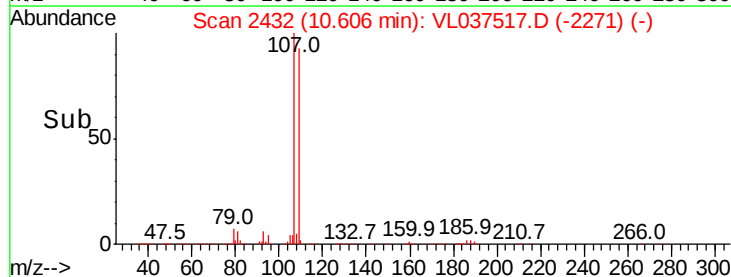
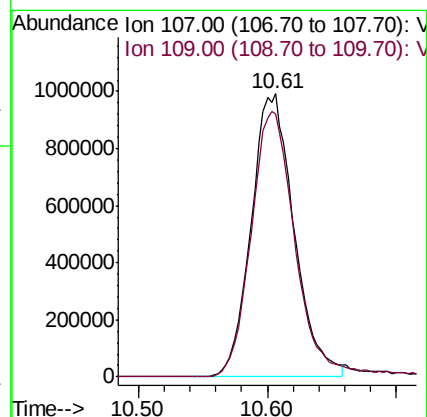
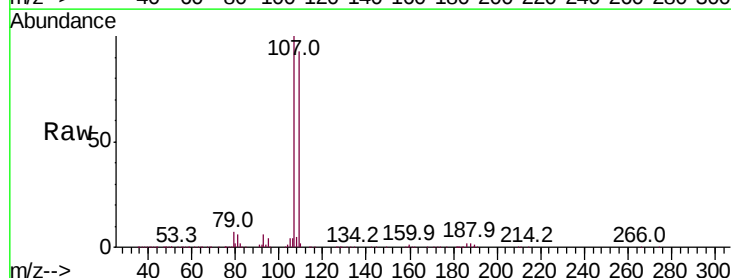
Acq: 3 Sep 2021 12:35

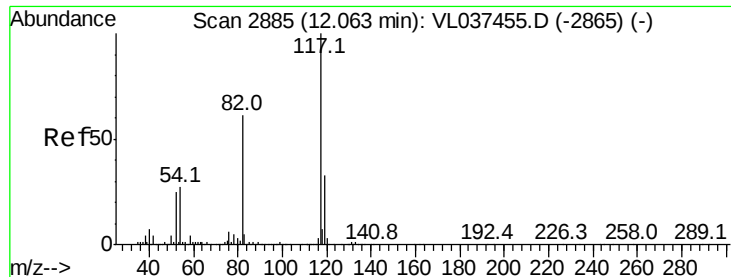
Tgt Ion: 107 Resp: 2299405

Ion Ratio Lower Upper

107 100

109 92.7 74.2 111.4

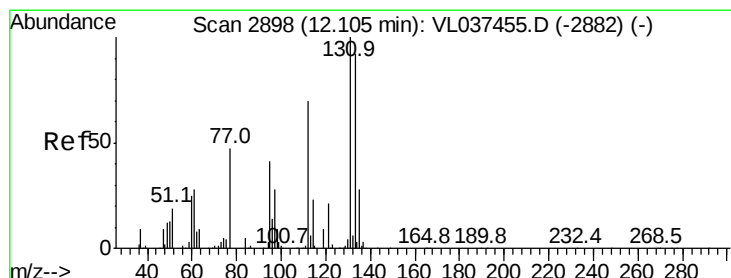
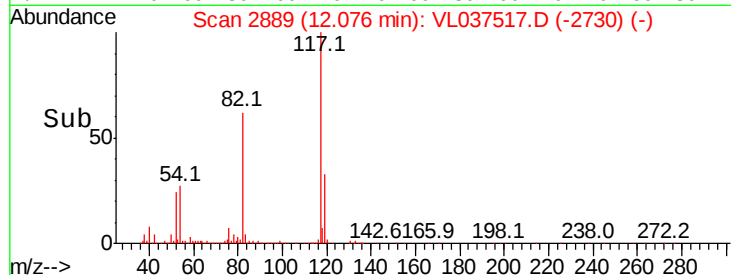
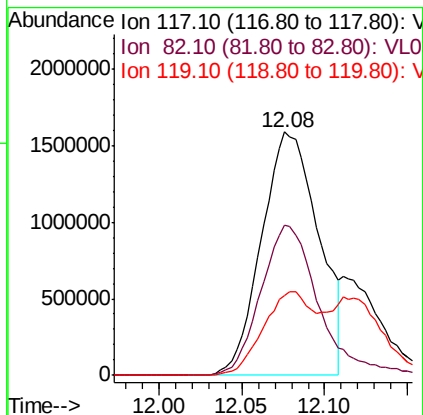
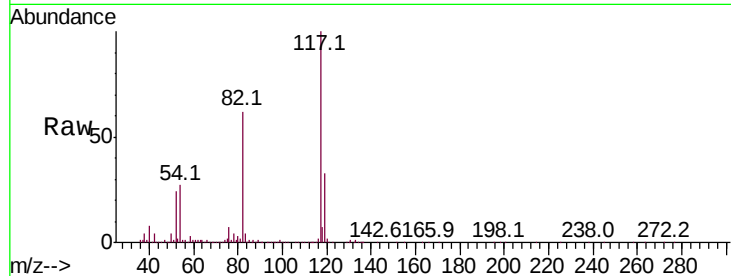




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. 0.01 min
Lab File: VL037517.D
Acq: 3 Sep 2021 12:35

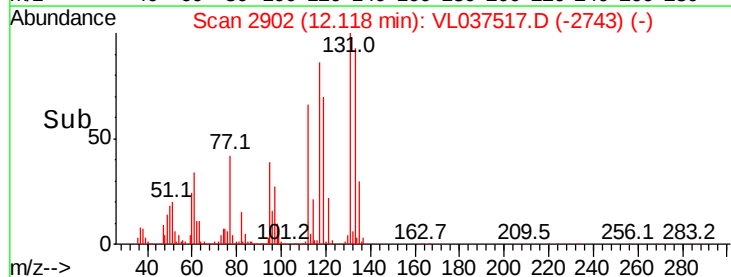
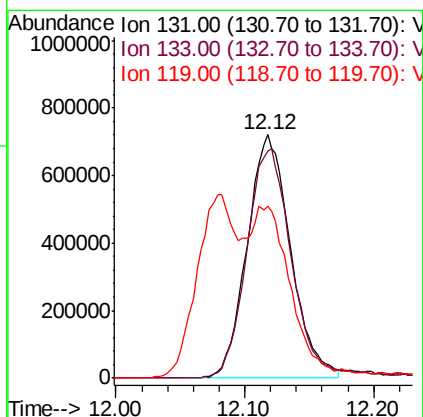
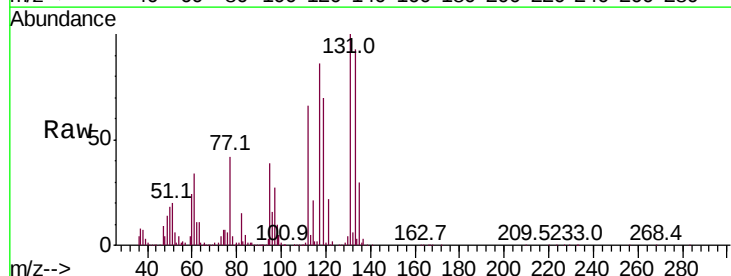
Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS01

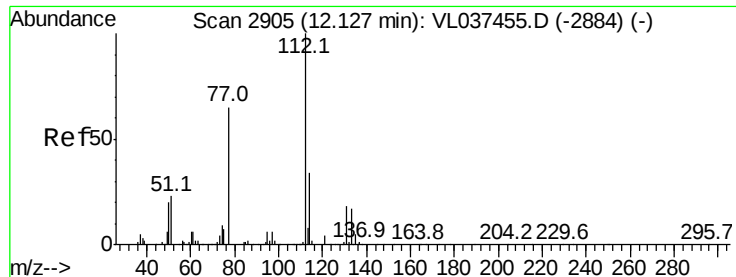
Tot Ion:117 Resp: 3801407
Ion Ratio Lower Upper
117 100
82 65.7 52.9 79.3
119 29.4 24.8 37.2



#56
1,1,1,2-Tetrachloroethane
Concen: 10.670 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL037517.D
Acq: 3 Sep 2021 12:35

Tgt Ion:131 Resp: 1690195
Ion Ratio Lower Upper
131 100
133 100.6 78.7 118.1
119 71.1 56.6 85.0





#57

Chlorobenzene

Concen: 10.431 ppbv

RT: 12.14 min Scan# 2909

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

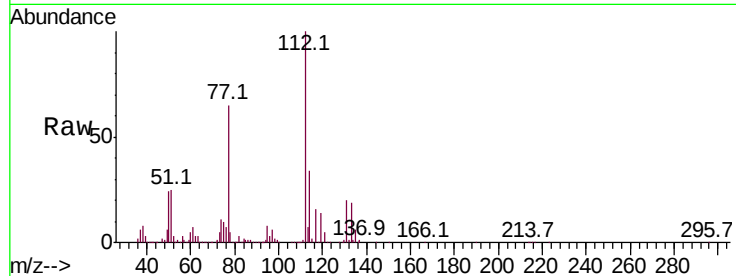
Tot Ion:112 Resp: 3290724

Ion Ratio Lower Upper

112 100

77 64.1 51.6 77.4

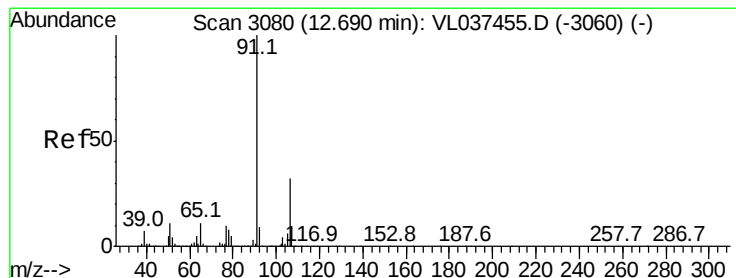
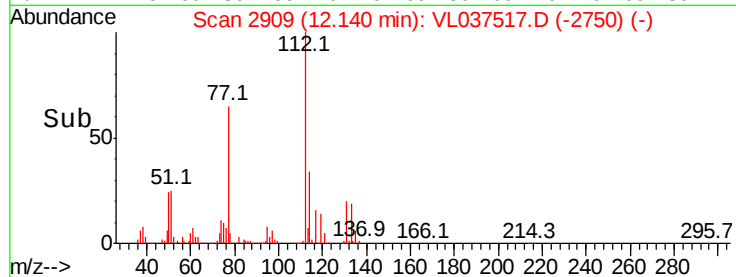
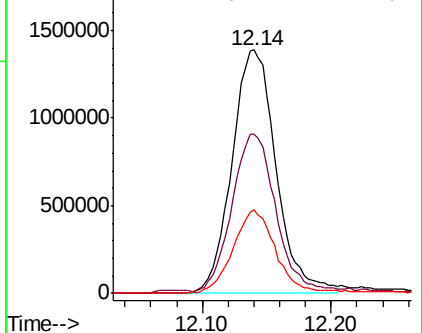
114 34.2 30.7 37.5



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: 10.974 ppbv

RT: 12.70 min Scan# 3083

Delta R.T. 0.01 min

Lab File: VL037517.D

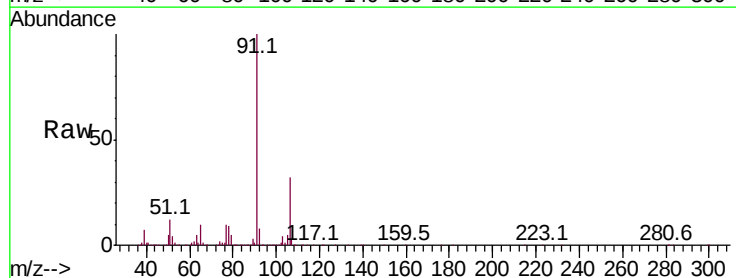
Acq: 3 Sep 2021 12:35

Tgt Ion: 91 Resp: 5789335

Ion Ratio Lower Upper

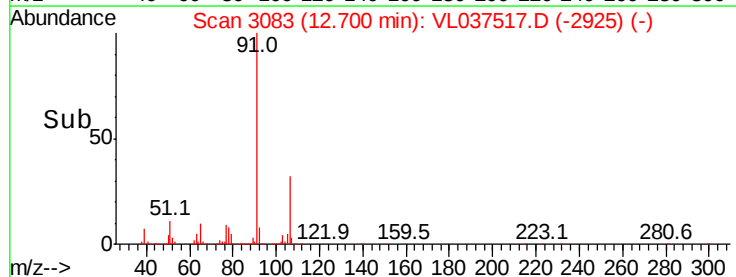
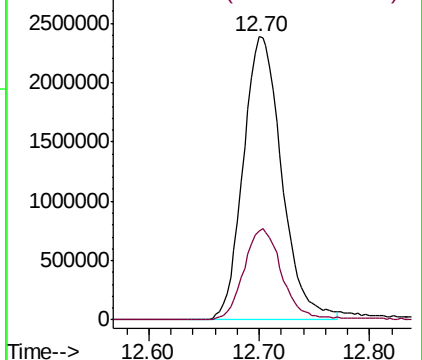
91 100

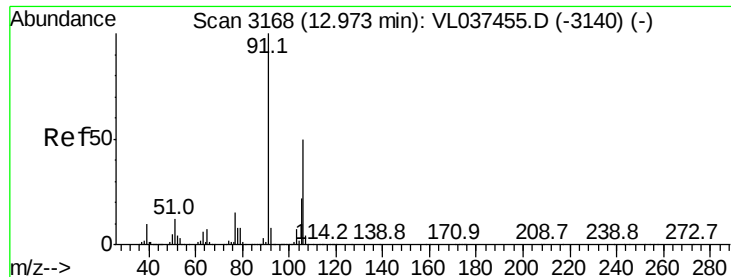
106 31.6 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

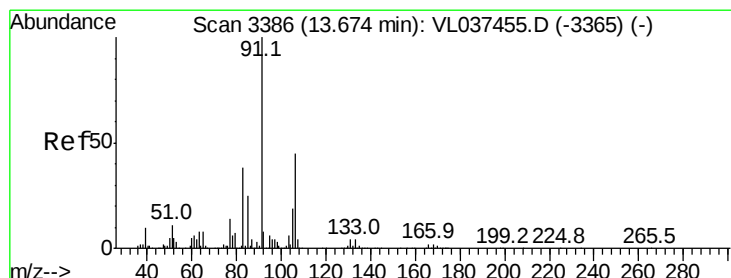
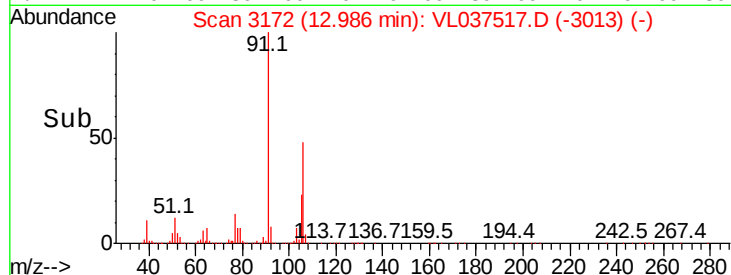
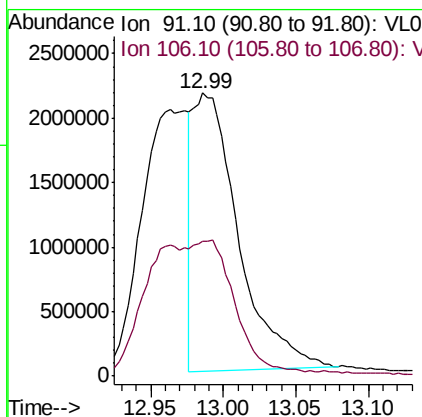
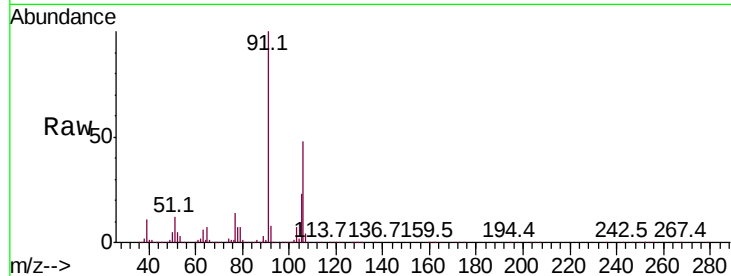




#59
m/p-Xylene
Concen: 10.182 ppbv
RT: 12.99 min Scan# 3172
Delta R.T. 0.01 min
Lab File: VL037517.D
Acq: 3 Sep 2021 12:35

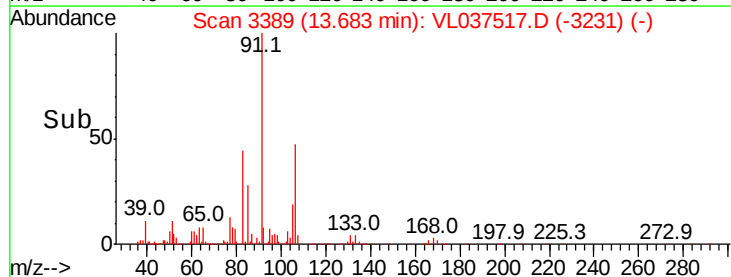
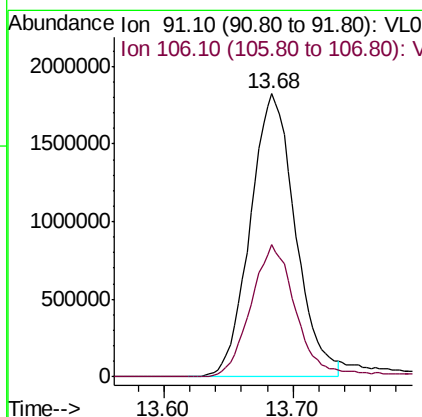
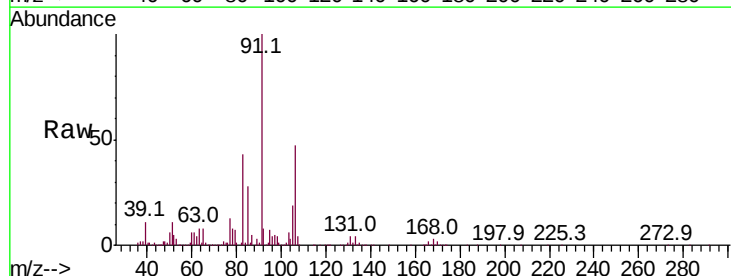
Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS01

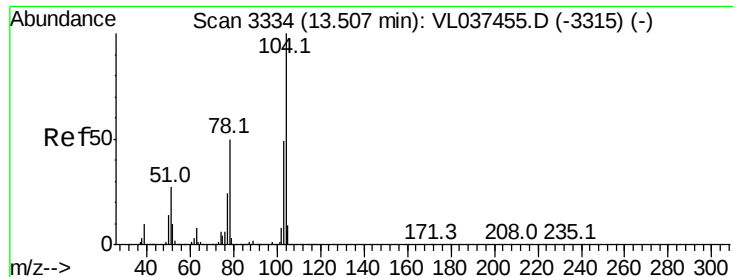
Tot Ion: 91 Resp: 4656513
Ion Ratio Lower Upper
91 100
106 97.9 36.9 55.3#



#60
o-Xylene
Concen: 10.364 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. 0.01 min
Lab File: VL037517.D
Acq: 3 Sep 2021 12:35

Tgt Ion: 91 Resp: 4423952
Ion Ratio Lower Upper
91 100
106 48.6 23.7 71.1





#61

Stvrene

Concen: 11.414 ppbv

RT: 13.52 min Scan# 3337

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

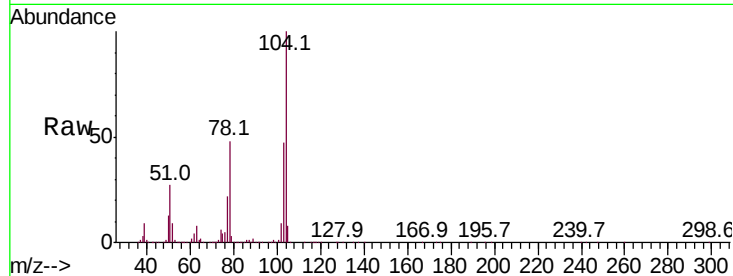
Tot Ion:104 Resp: 2530944

Ion Ratio Lower Upper

104 100

78 51.1 41.3 61.9

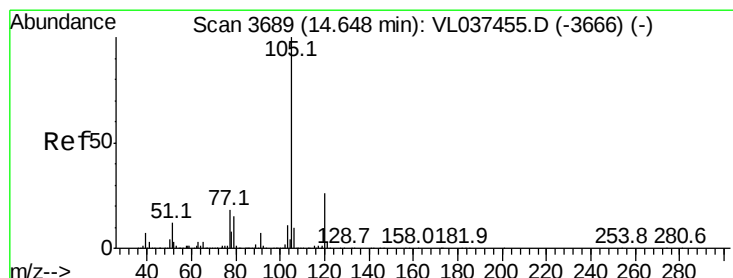
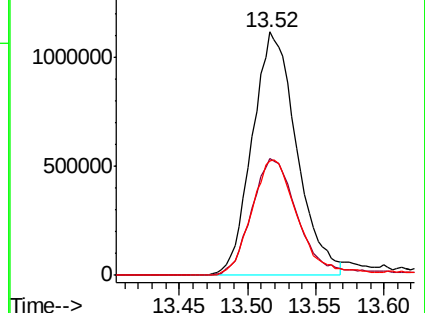
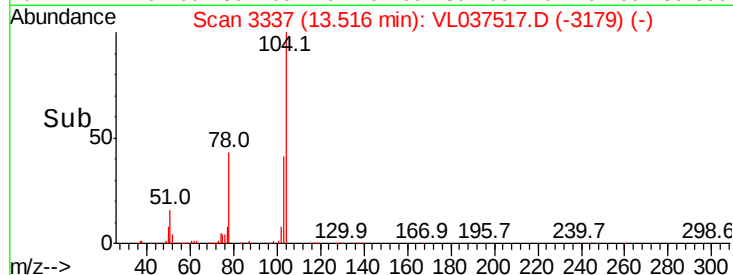
103 50.6 39.4 59.0



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: 10.541 ppbv

RT: 14.66 min Scan# 3692

Delta R.T. 0.01 min

Lab File: VL037517.D

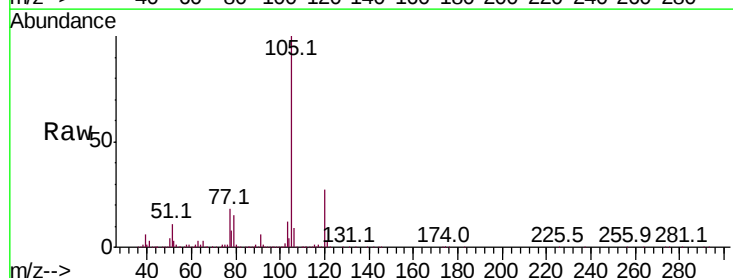
Acq: 3 Sep 2021 12:35

Tgt Ion:105 Resp: 6349871

Ion Ratio Lower Upper

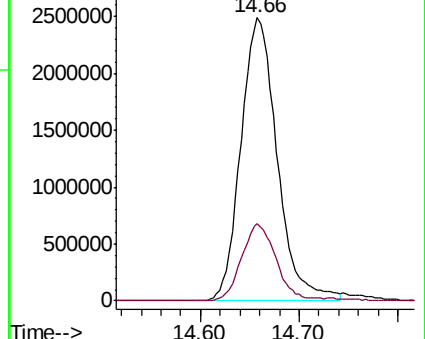
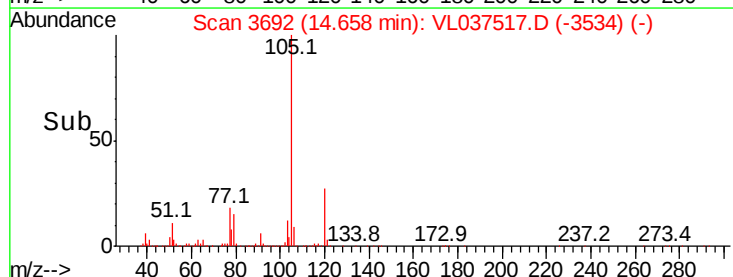
105 100

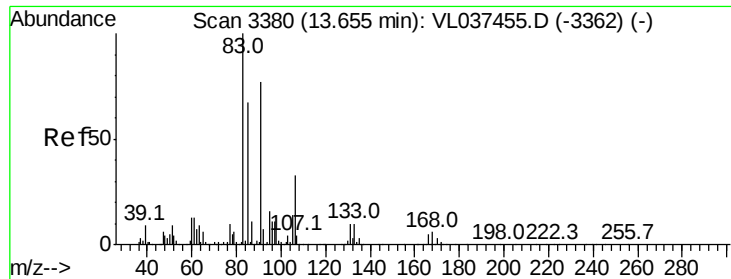
120 26.9 21.5 32.3



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: 10.120 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

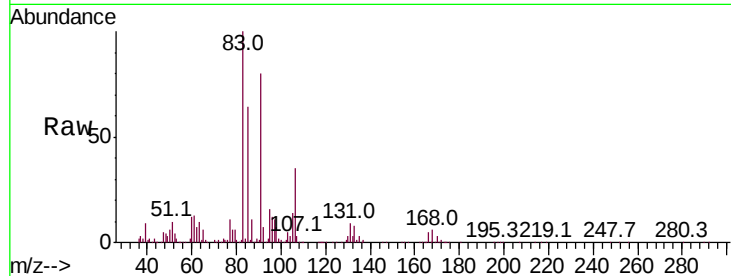
Tot Ion: 83 Resp: 3210620

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	65.7	33.8	101.3

83 100

131 10.0 5.0 15.0

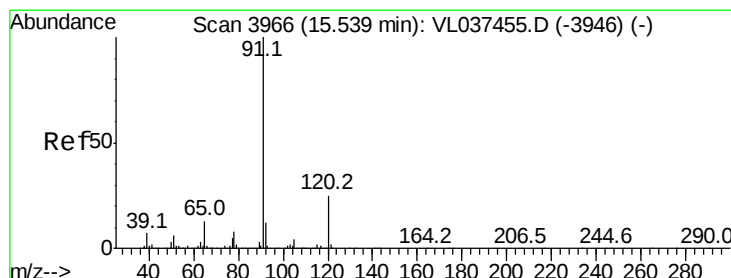
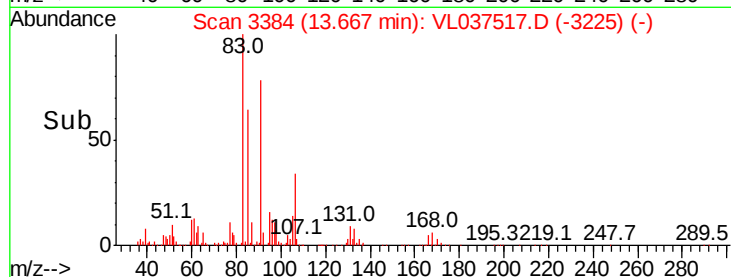
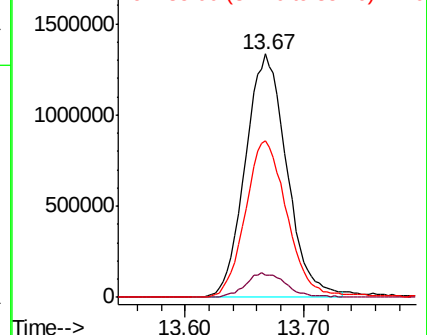
85 65.7 33.8 101.3



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: 11.077 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. 0.01 min

Lab File: VL037517.D

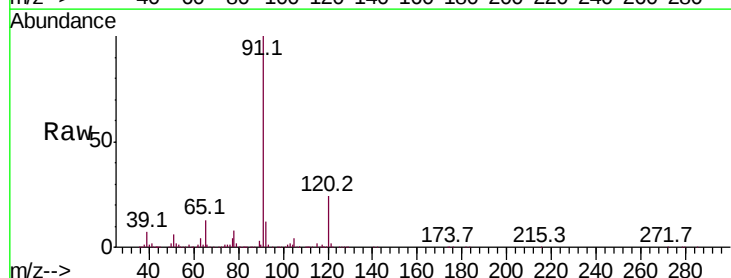
Acq: 3 Sep 2021 12:35

Tgt Ion:120 Resp: 1698212

Ion	Ratio	Lower	Upper
120	100		
91	454.5	373.8	560.6

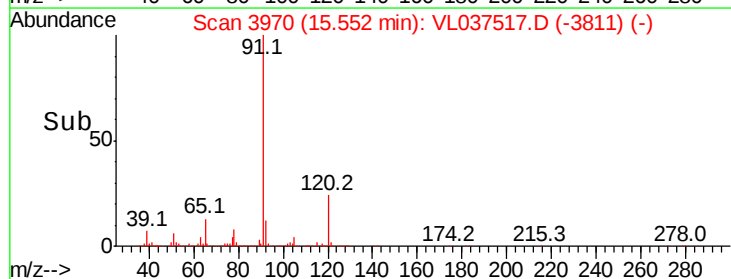
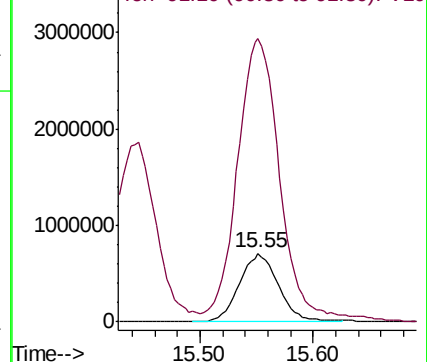
120 100

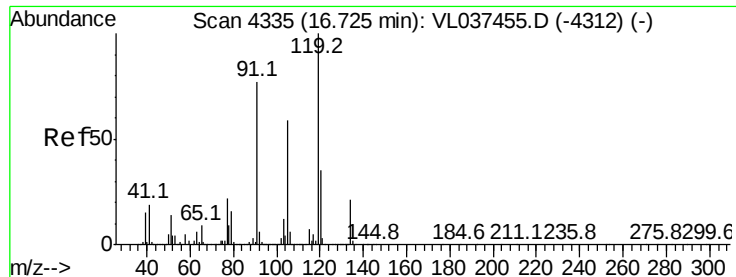
91 454.5 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

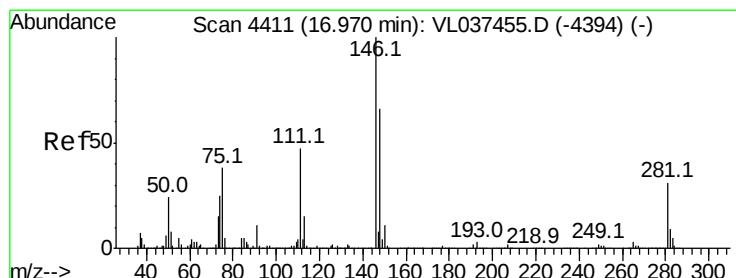
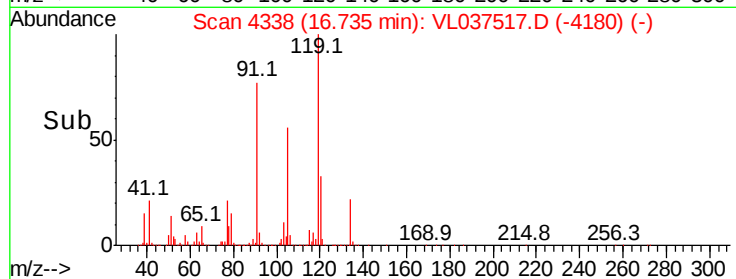
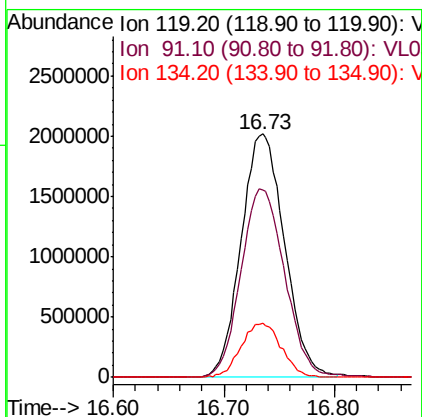
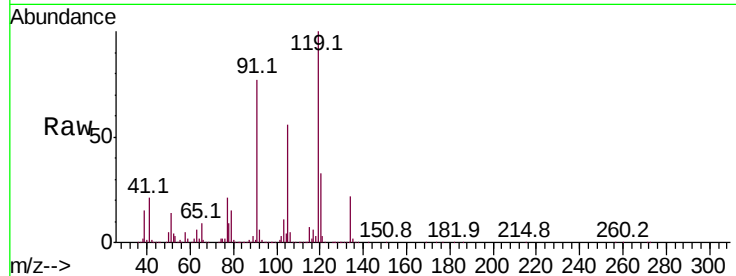




#65
tert-Butylbenzene
Concen: 10.031 ppbv
RT: 16.73 min Scan# 4338
Delta R.T. 0.01 min
Lab File: VL037517.D
Acq: 3 Sep 2021 12:35

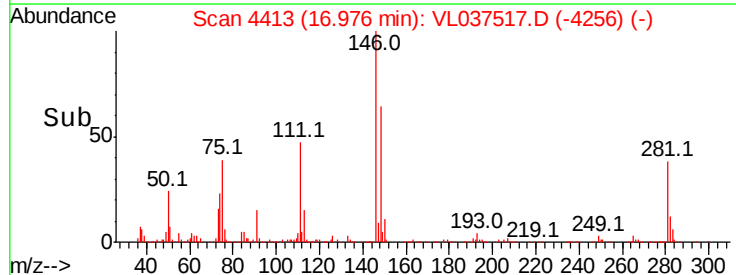
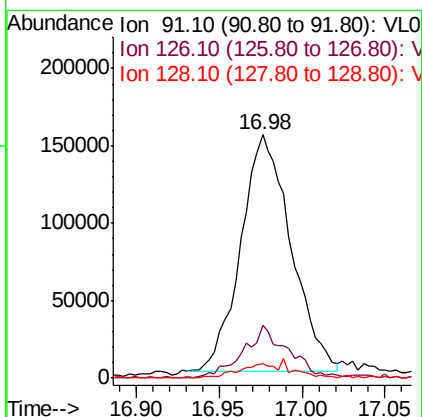
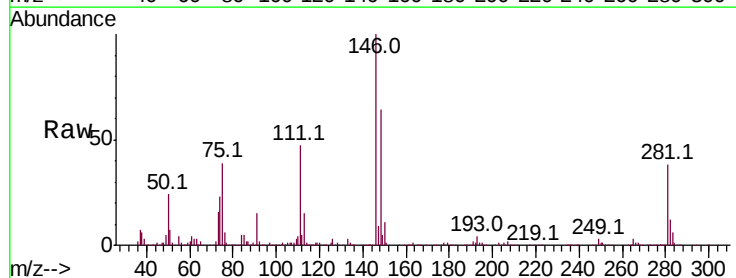
Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS01

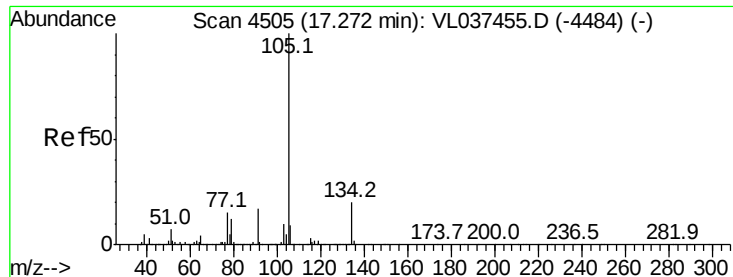
Tot Ion:119 Resp: 5503666
Ion Ratio Lower Upper
119 100
91 78.1 62.9 94.3
134 20.8 16.4 24.6



#66
Benzyl Chloride
Concen: 12.912 ppbv
RT: 16.98 min Scan# 4413
Delta R.T. 0.01 min
Lab File: VL037517.D
Acq: 3 Sep 2021 12:35

Tgt Ion: 91 Resp: 320450
Ion Ratio Lower Upper
91 100
126 20.6 15.9 23.9
128 7.4 5.4 8.0





#67

sec-Butylbenzene

Concen: 10.002 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :

MSVOA_L

ClientSampleId :

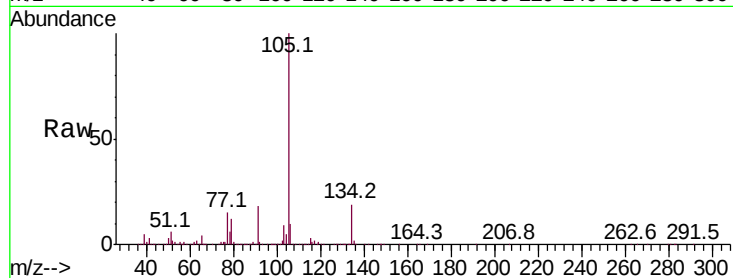
VL0903ABS01

Tot Ion:105 Resp: 7667933

Ion Ratio Lower Upper

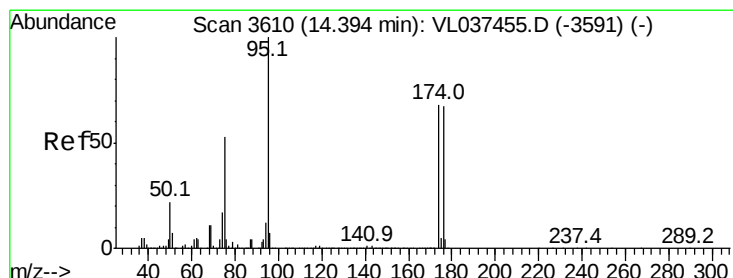
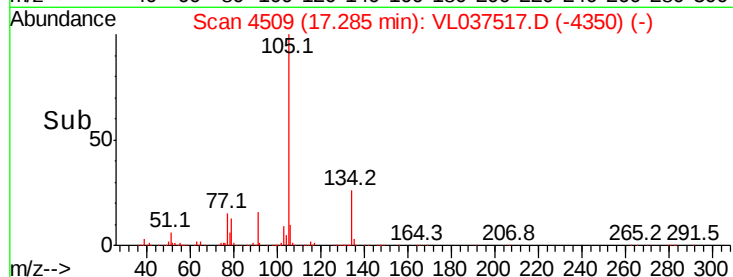
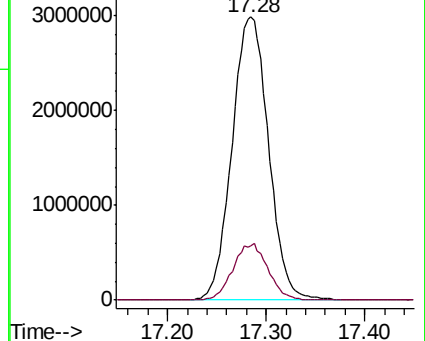
105 100

134 19.3 15.2 22.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.332 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

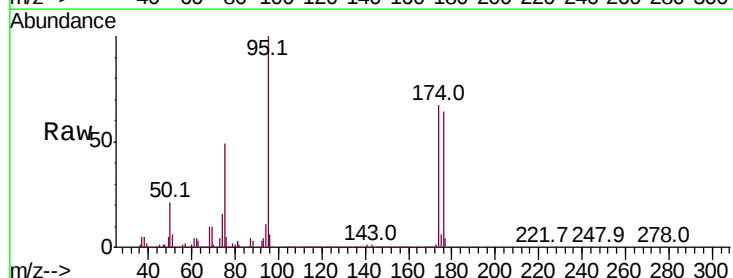
Tgt Ion: 95 Resp: 2790406

Ion Ratio Lower Upper

95 100

174 74.3 59.6 89.4

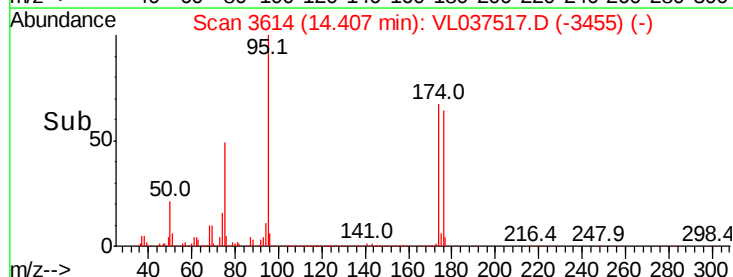
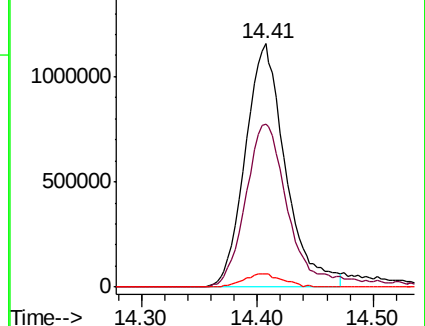
175 5.4 4.6 7.0

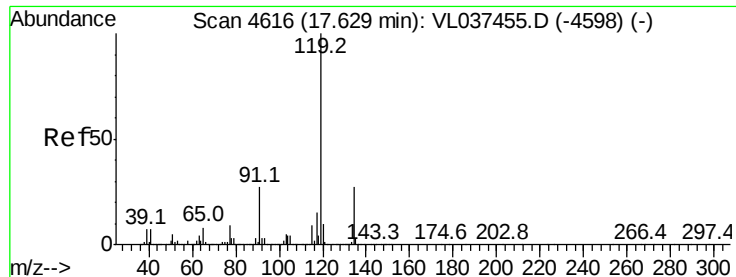


Abundance Ion 95.10 (94.80 to 95.80): V

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



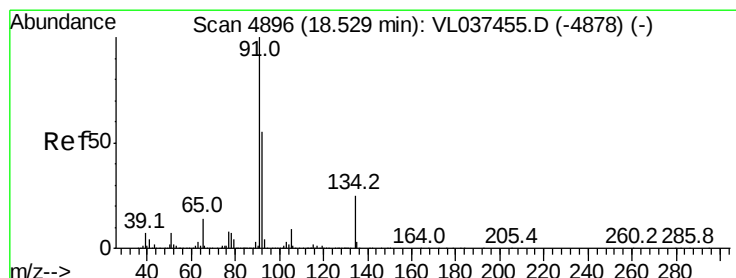
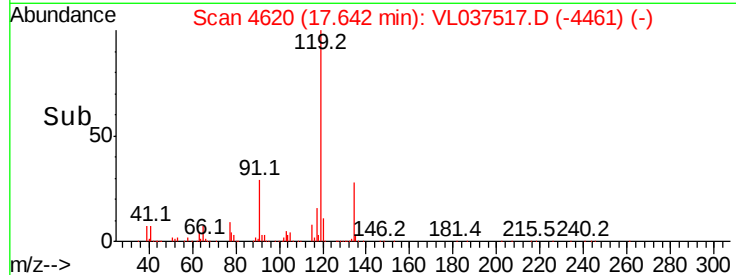
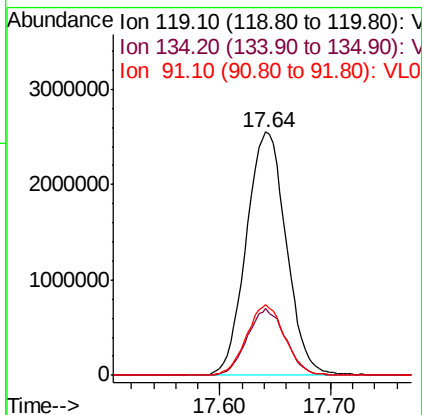
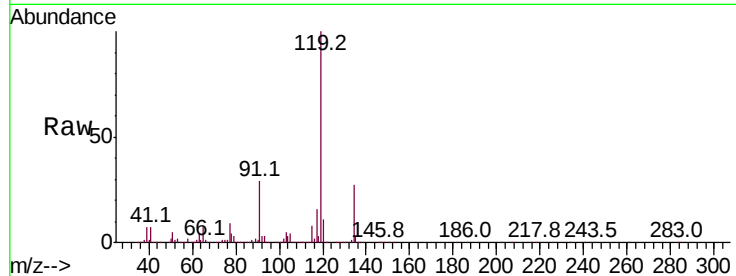


#69
 p-Isopropyltoluene
 Concen: 10.237 ppbv
 RT: 17.64 min Scan# 4620
 Delta R.T. 0.01 min
 Lab File: VL037517.D
 Acq: 3 Sep 2021 12:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS01

Tot Ion:119 Resp: 6394786

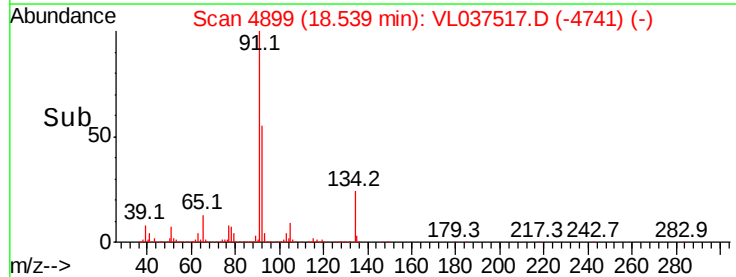
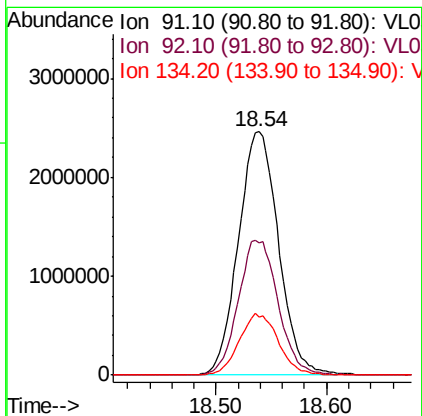
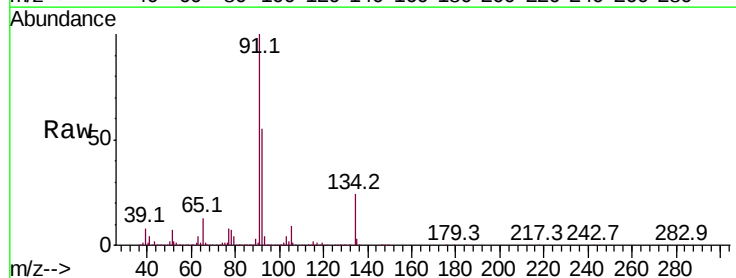
Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.1	31.7
91	27.9	22.4	33.6

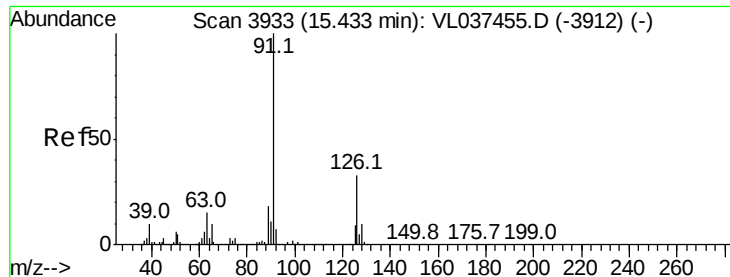


#70
 n-Butylbenzene
 Concen: 10.379 ppbv
 RT: 18.54 min Scan# 4899
 Delta R.T. 0.01 min
 Lab File: VL037517.D
 Acq: 3 Sep 2021 12:35

Tgt Ion: 91 Resp: 6196263

Ion	Ratio	Lower	Upper
91	100		
92	55.1	44.0	66.0
134	24.7	19.5	29.3





#71

2-Chlorotoluene

Concen: 10.347 ppbv

RT: 15.45 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :

MSVOA_L

ClientSampleId :

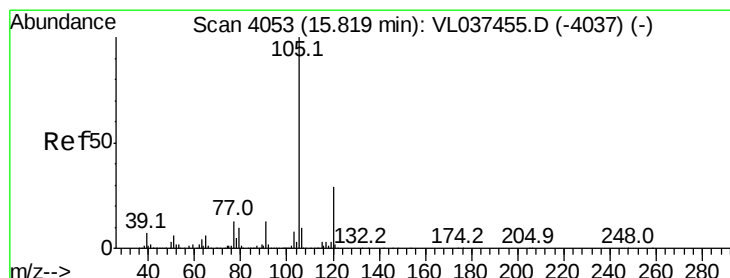
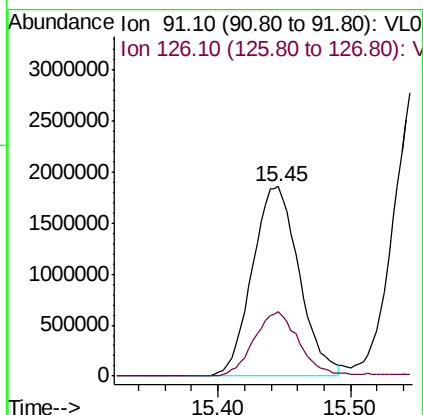
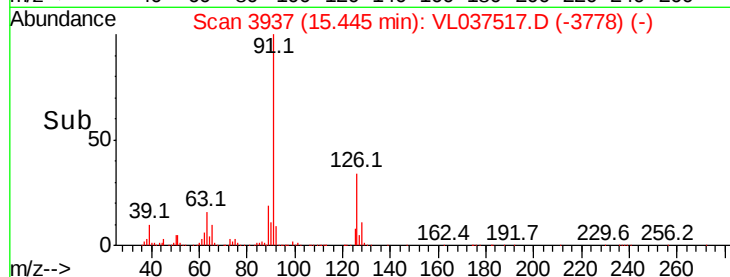
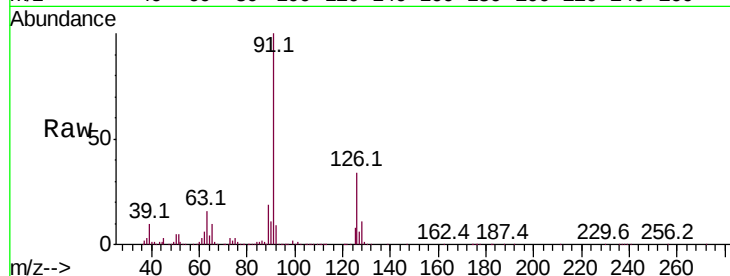
VL0903ABS01

Tot Ion: 91 Resp: 4571206

Ion Ratio Lower Upper

91 100

126 34.2 13.6 54.4



#72

4-Ethyltoluene

Concen: 10.826 ppbv

RT: 15.83 min Scan# 4057

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Tgt Ion:105 Resp: 5496352

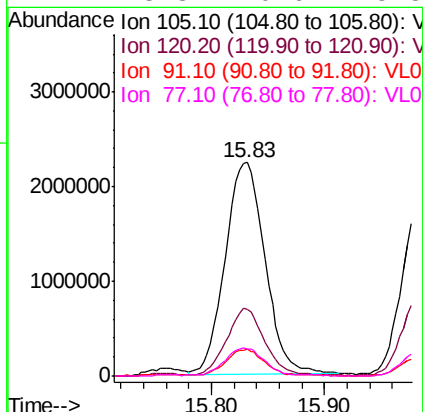
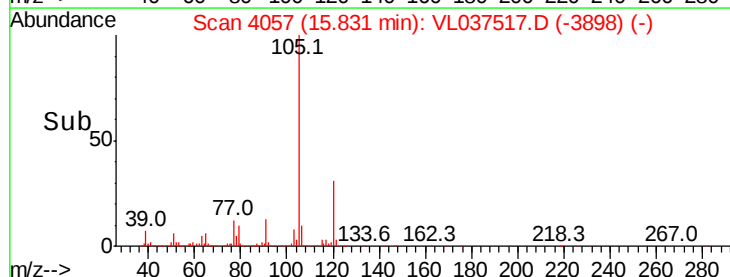
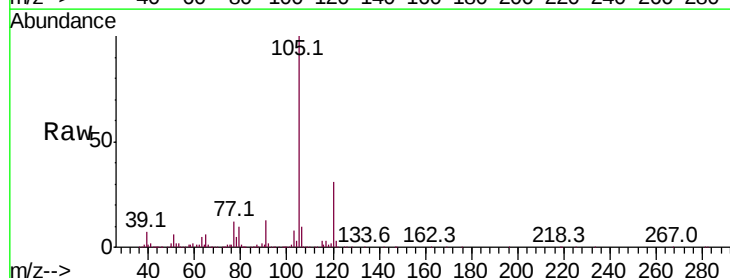
Ion Ratio Lower Upper

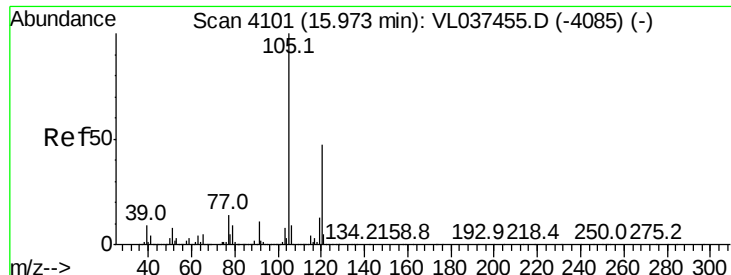
105 100

120 30.9 24.7 37.1

91 12.4 9.8 14.8

77 13.3 10.6 15.8

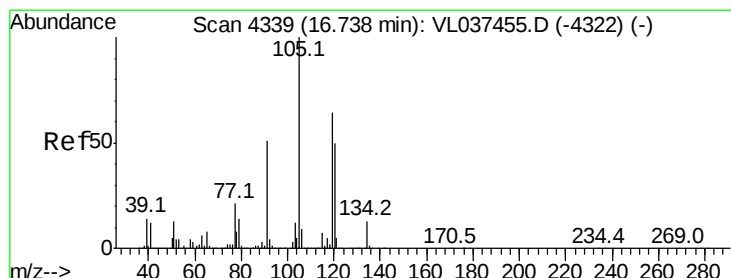
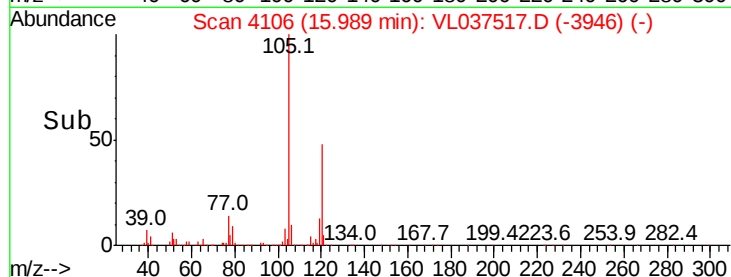
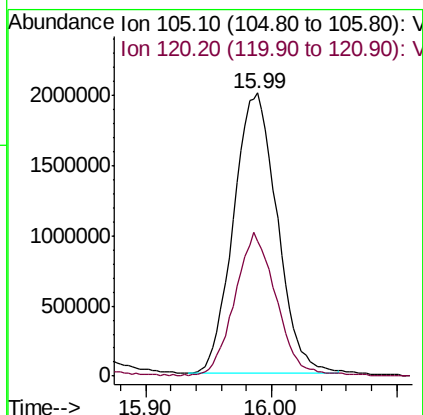
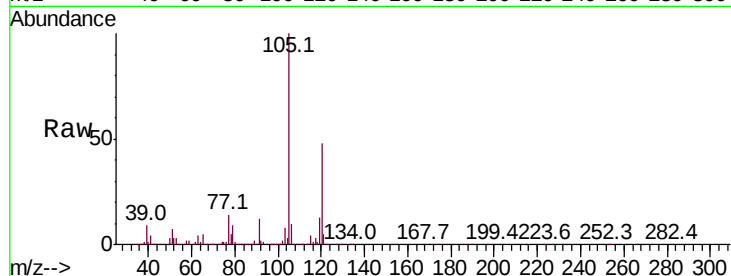




#73
 1,3,5-Trimethylbenzene
 Concen: 10.172 ppbv
 RT: 15.99 min Scan# 4106
 Delta R.T. 0.02 min
 Lab File: VL037517.D
 Acq: 3 Sep 2021 12:35

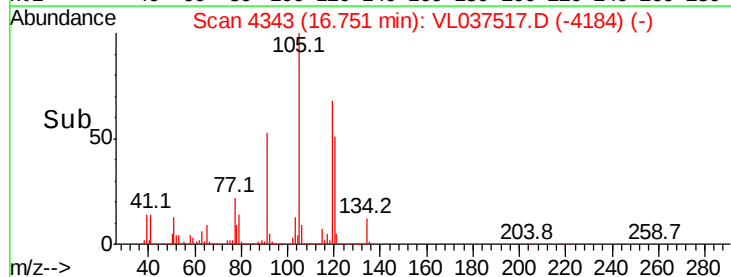
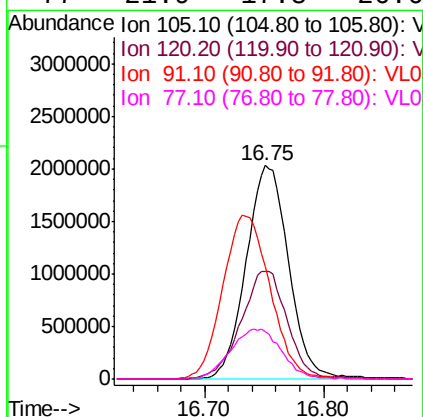
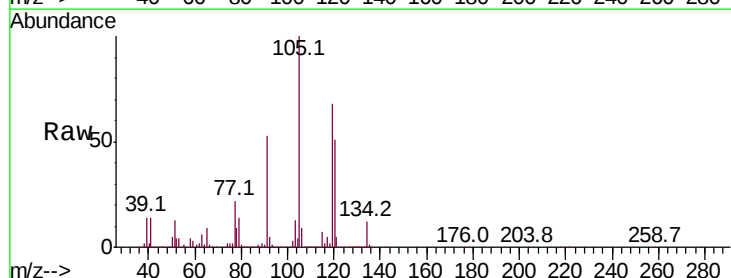
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS01

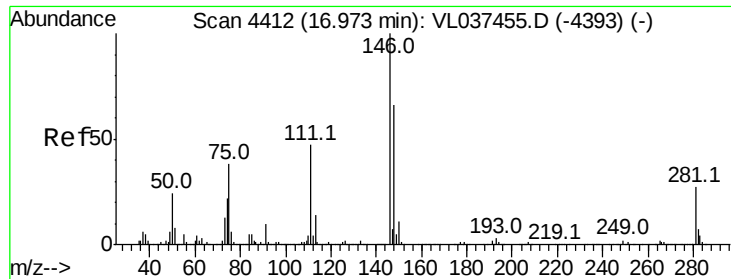
Tot Ion:105 Resp: 4807402
 Ion Ratio Lower Upper
 105 100
 120 47.8 37.6 56.4



#74
 1,2,4-Trimethylbenzene
 Concen: 9.928 ppbv
 RT: 16.75 min Scan# 4343
 Delta R.T. 0.01 min
 Lab File: VL037517.D
 Acq: 3 Sep 2021 12:35

Tgt Ion:105 Resp: 4986092
 Ion Ratio Lower Upper
 105 100
 120 50.3 40.4 60.6
 91 52.3 44.6 67.0
 77 21.9 17.8 26.6





#75

1,3-Dichlorobenzene

Concen: 9.970 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. 0.02 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

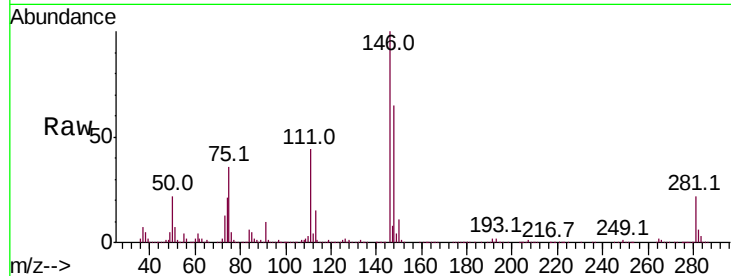
Tot Ion:146 Resp: 3013895

Ion Ratio Lower Upper

146 100

111 46.4 23.4 70.0

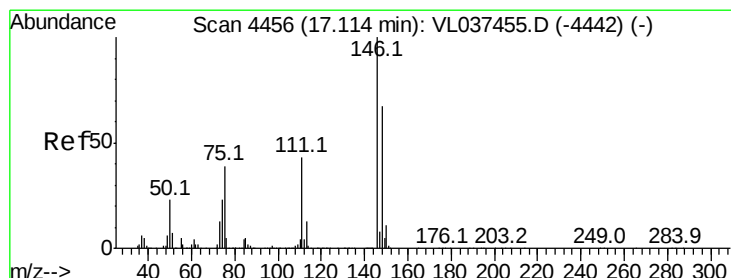
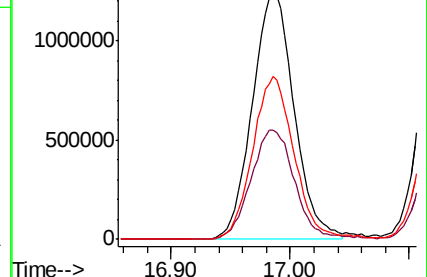
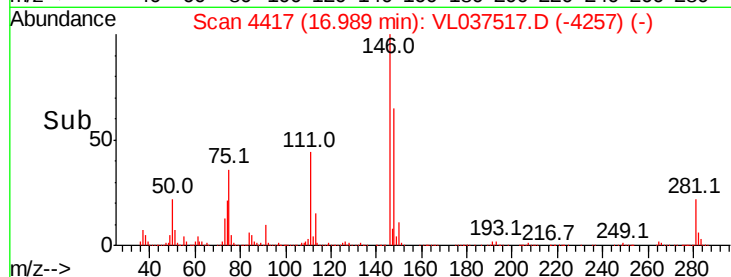
148 65.7 33.1 99.5



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: 9.722 ppbv

RT: 17.13 min Scan# 4460

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

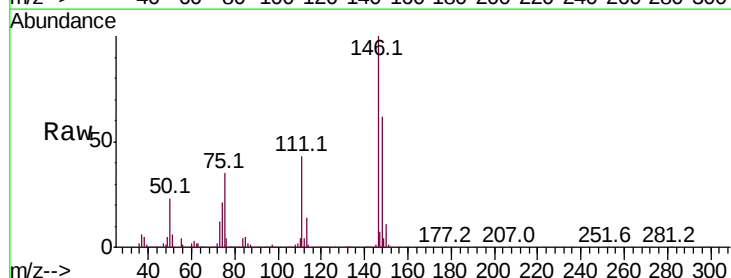
Tgt Ion:146 Resp: 2960576

Ion Ratio Lower Upper

146 100

111 45.6 22.1 66.5

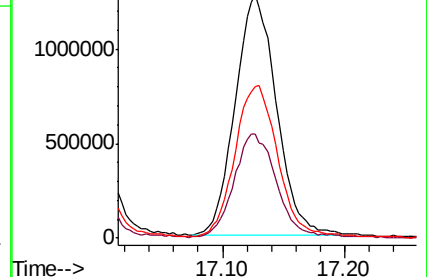
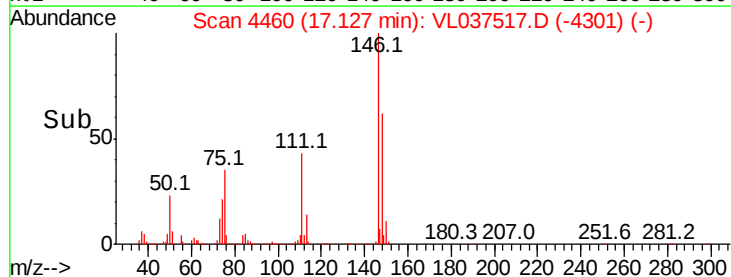
148 67.4 32.4 97.0

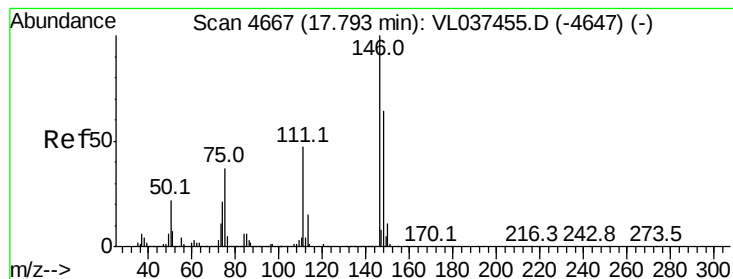


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 9.809 ppbv

RT: 17.81 min Scan# 4671

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

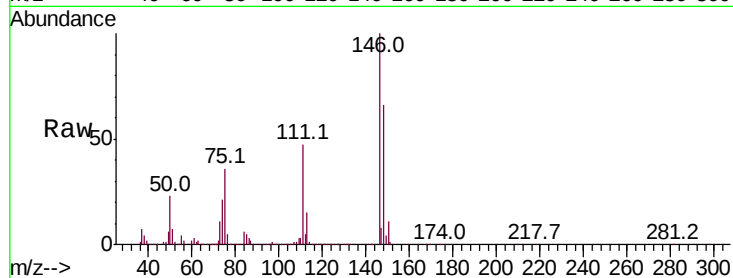
Tot Ion:146 Resp: 2919693

Ion Ratio Lower Upper

146 100

111 47.0 23.4 70.3

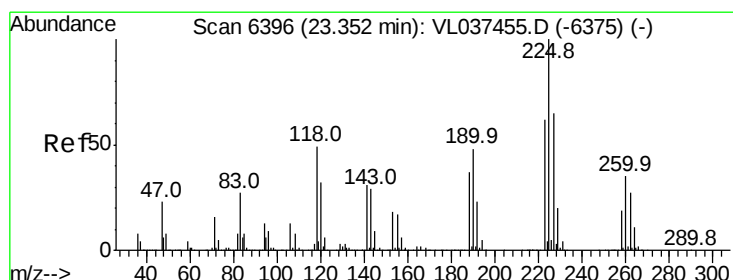
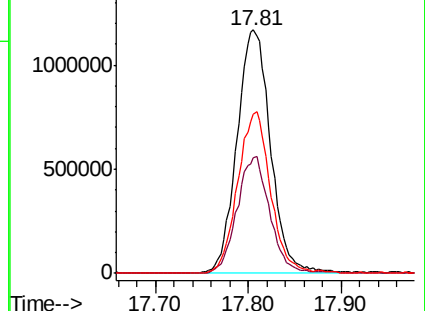
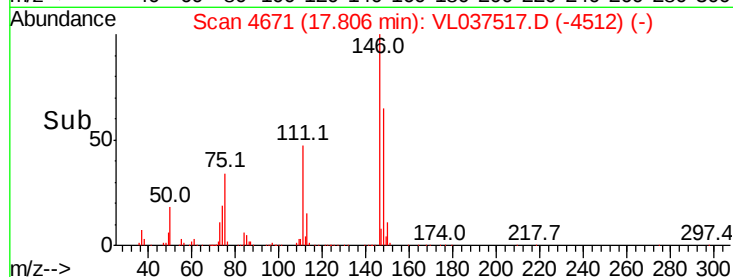
148 65.0 32.5 97.5



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: 10.391 ppbv

RT: 23.36 min Scan# 6399

Delta R.T. 0.01 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

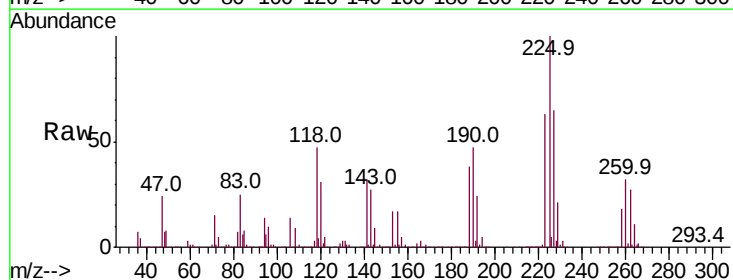
Tgt Ion:225 Resp: 2571615

Ion Ratio Lower Upper

225 100

223 64.0 51.4 77.0

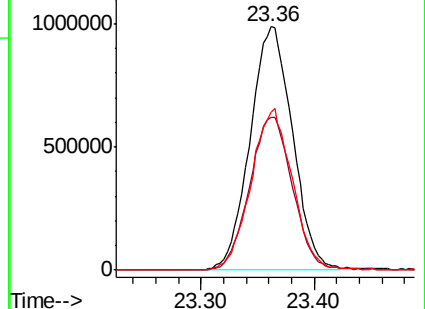
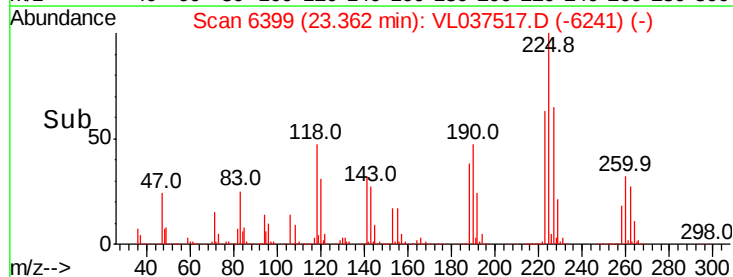
227 64.8 52.9 79.3

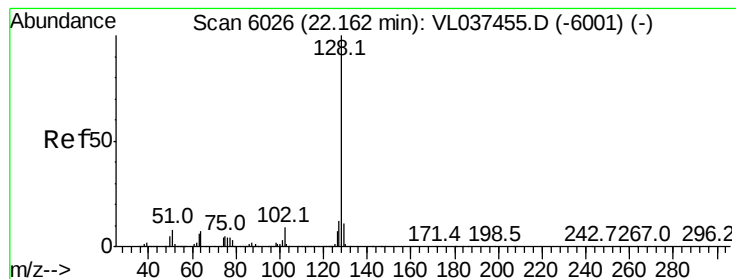


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 14.203 ppbv

RT: 22.18 min Scan# 6031

Delta R.T. 0.02 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS01

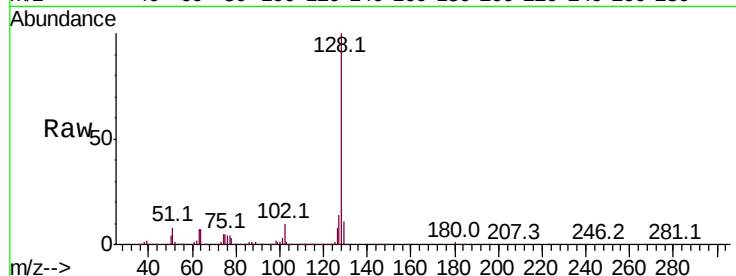
Tot Ion:128 Resp: 4773293

Ion Ratio Lower Upper

128 100

127 13.6 9.4 14.2

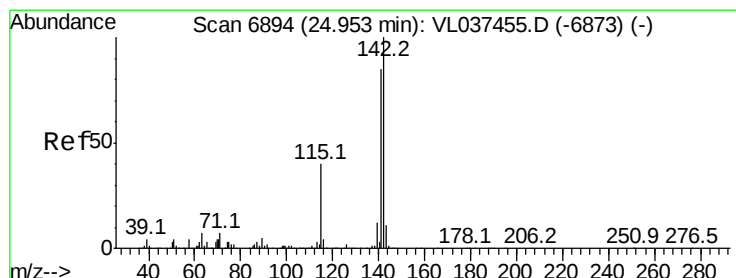
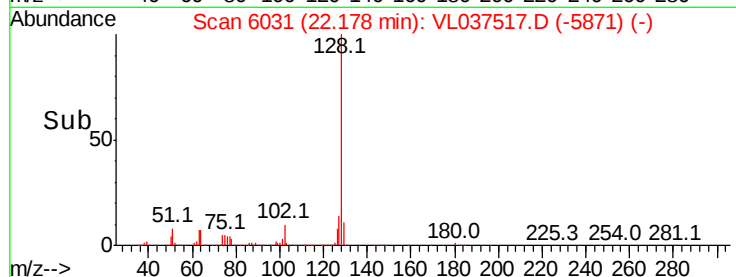
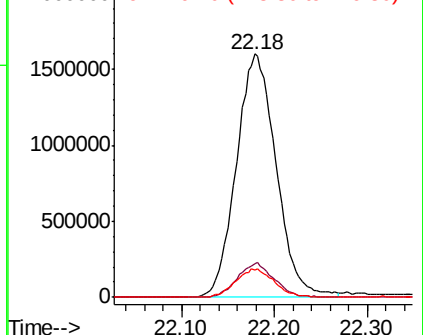
129 11.3 8.8 13.2



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: 11.792 ppbv

RT: 24.96 min Scan# 6895

Delta R.T. 0.00 min

Lab File: VL037517.D

Acq: 3 Sep 2021 12:35

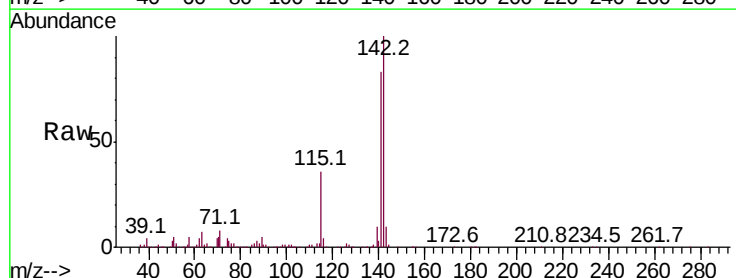
Tgt Ion:142 Resp: 1104057

Ion Ratio Lower Upper

142 100

141 84.5 64.7 97.1

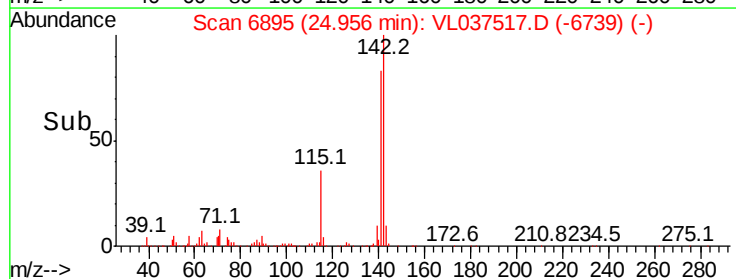
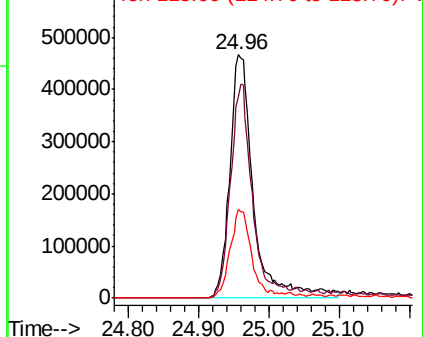
115 36.5 28.4 42.6

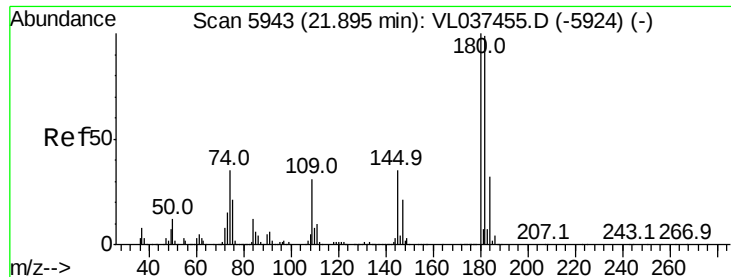


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

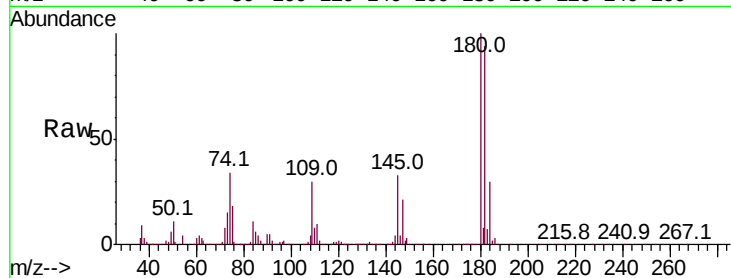




#81
 1,2,4-Trichlorobenzene
 Concen: 12.503 ppbv
 RT: 21.91 min Scan# 5947
 Delta R.T. 0.01 min
 Lab File: VL037517.D
 Acq: 3 Sep 2021 12:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS01

Tot Ion:180 Resp: 2636675
 Ion Ratio Lower Upper
 180 100
 182 98.9 79.6 119.4
 184 31.5 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

