

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091721\
 Data File : VL037652.D
 Acq On : 18 Sep 2021 11:23
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 20 01:44:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1487266	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4356279	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	4910550	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2802214	7.90	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2385305	8.863	ppbv 100
3) Chlorodifluoromethane	2.99	51	2978688	10.618	ppbv 98
4) Chloromethane	3.14	50	1109650	10.706	ppbv 98
5) Vinyl Chloride	3.26	62	1143266	11.744	ppbv 100
6) Bromomethane	3.47	94	628666	11.110	ppbv 96
7) Chloroethane	3.56	64	381649	10.490	ppbv 97
8) Dichlorotetrafluoroethane	3.19	85	2519066	10.850	ppbv 99
9) Propene	3.01	41	1128456	11.404	ppbv 97
10) Heptane	8.12	43	2683373	11.621	ppbv 99
11) Trichlorofluoromethane	3.95	101	2281076	10.557	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1752195	10.986	ppbv 97
13) Ethanol	3.60	45	67496	6.973	ppbv # 56
14) Bromoethene	3.74	108	795985	10.964	ppbv 99
15) Acetone	3.84	43	1387056	8.976	ppbv 97
16) 1,3-Butadiene	3.33	39	1111081	11.507	ppbv 98
17) tert-Butyl alcohol	4.28	59	1663432	12.695	ppbv 100
18) 1,1-Dichloroethene	4.29	96	817402	11.002	ppbv 95
19) Isopropyl Alcohol	3.96	45	971299	11.552	ppbv # 93
20) Methylene Chloride	4.34	84	696398	9.440	ppbv 97
21) Allyl Chloride	4.41	41	1341598	11.621	ppbv 98
22) trans-1,2-Dichloroethene	4.88	96	808667	10.818	ppbv 97
23) Vinyl Acetate	5.07	43	2587160	12.099	ppbv # 98
24) 1,1-Dichloroethane	5.01	63	1836121	11.986	ppbv 99
25) Ethyl Acetate	5.67	43	4254239	11.367	ppbv 99
26) Hexane	5.68	57	2017044	11.346	ppbv 99
27) Carbon Disulfide	4.55	76	2006193	12.335	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	2152884	13.749	ppbv 98
29) Chloroform	5.75	83	2779169	10.706	ppbv 99
30) Cyclohexane	7.12	84	1657241	10.899	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1871771	11.597	ppbv 98
32) 1,1,1-Trichloroethane	6.51	97	2681485	11.095	ppbv 100
34) 2-Butanone	5.24	43	1906800	10.771	ppbv 99
35) Carbon Tetrachloride	7.01	117	2755155	11.181	ppbv 99
36) Benzene	6.89	78	4122540	11.349	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1953099	10.932	ppbv 100
38) Trichloroethene	7.83	130	1602589	10.561	ppbv 97
39) 1,2-Dichloropropane	7.61	63	1564806	11.247	ppbv 97
40) 1,4-Dioxane	7.83	88	385746	11.398	ppbv 86
41) Tetrahydrofuran	6.04	42	999616	12.011	ppbv 100
42) Bromodichloromethane	7.79	83	2909884	11.364	ppbv 99
43) Methyl Methacrylate	8.01	69	1502585	12.434	ppbv 98

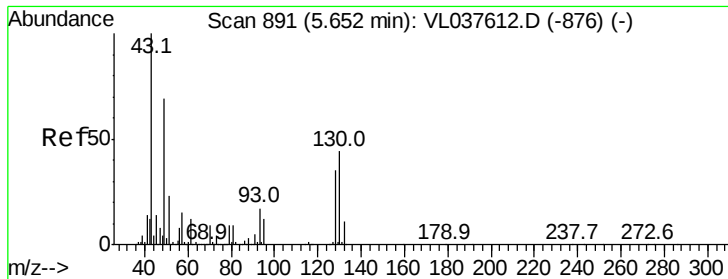
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091721\
 Data File : VL037652.D
 Acq On : 18 Sep 2021 11:23
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 20 01:44:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	6780484	11.103	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1298117	13.675	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1671004	13.032	ppbv	96
47) 1,1,2-Trichloroethane	9.47	97	1600305	10.398	ppbv	98
48) Dibromochloromethane	10.30	129	2537991	11.820	ppbv	99
49) Bromoform	13.03	173	1970517	11.467	ppbv	97
50) 4-Methyl-2-Pentanone	8.74	43	2619423	11.658	ppbv	100
51) 2-Hexanone	10.13	43	1194690	12.051	ppbv #	97
52) Tetrachloroethene	11.21	164	1470234	10.543	ppbv	97
53) Toluene	9.80	91	4670807	11.568	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2298290	10.906	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1735187	8.519	ppbv #	88
57) Chlorobenzene	12.14	112	3299819	8.083	ppbv	98
58) Ethyl Benzene	12.70	91	5780989	8.869	ppbv	100
59) m/p-Xylene	12.99	91	5593530	9.847	ppbv #	47
60) o-Xylene	13.68	91	4519514	8.359	ppbv	98
61) Styrene	13.52	104	2505001	9.396	ppbv	98
62) Isopropylbenzene	14.66	105	6185606	8.189	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	3167764	7.486	ppbv	100
64) n-propylbenzene	15.55	120	1654516	8.489	ppbv	87
65) tert-Butylbenzene	16.73	119	5520647	8.107	ppbv	100
66) Benzyl Chloride	16.98	91	368977	9.915	ppbv	98
67) sec-Butylbenzene	17.28	105	7632145	8.260	ppbv	99
69) p-Isopropyltoluene	17.64	119	6385380	8.459	ppbv	100
70) n-Butylbenzene	18.54	91	6242029	8.740	ppbv	100
71) 2-Chlorotoluene	15.45	91	4547836	8.402	ppbv	98
72) 4-Ethyltoluene	15.83	105	5240687	8.444	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4784131	8.270	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	5022306	8.242	ppbv	96
75) 1,3-Dichlorobenzene	16.99	146	3056792	8.074	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2954572	7.913	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2894991	8.062	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	2368788	7.838	ppbv	99
79) Naphthalene	22.18	128	4235288	11.320	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	898291	10.504	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	1080389	4.498	ppbv #	1

(#) = 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: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :
MSVOA_L
ClientSampleId :

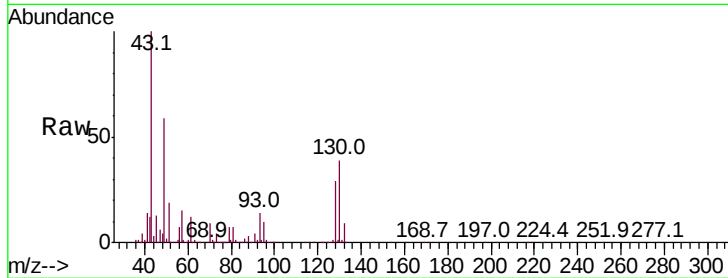
Tot Ion: 49 Resp: 1487266

Ion Ratio Lower Upper

49 100

128 54.5 27.9 83.6

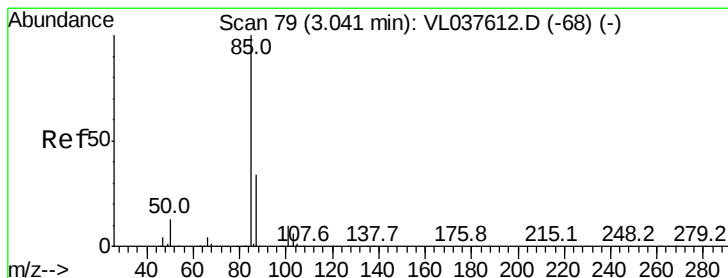
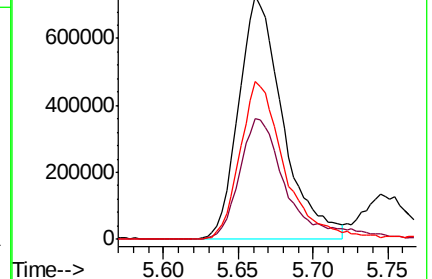
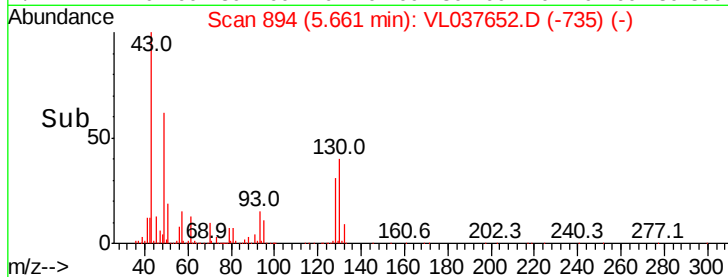
130 67.4 33.9 101.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.863 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.01 min

Lab File: VL037652.D

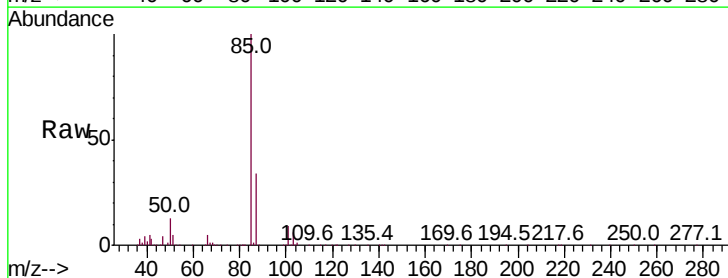
Acq: 18 Sep 2021 11:23

Tgt Ion: 85 Resp: 2385305

Ion Ratio Lower Upper

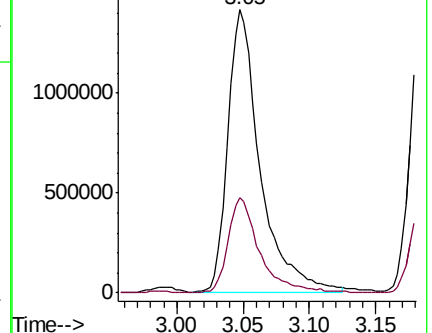
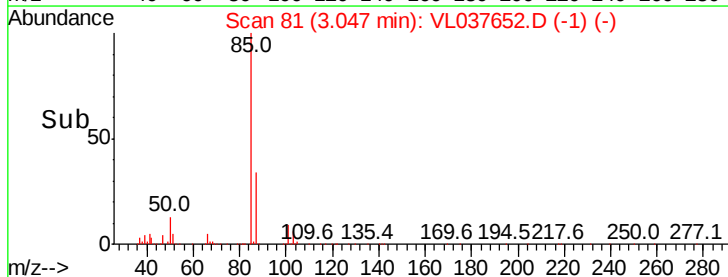
85 100

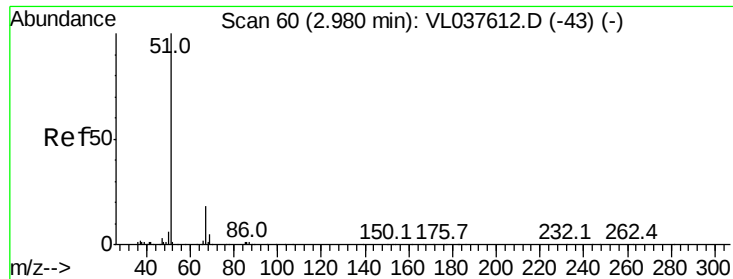
87 33.5 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.618 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

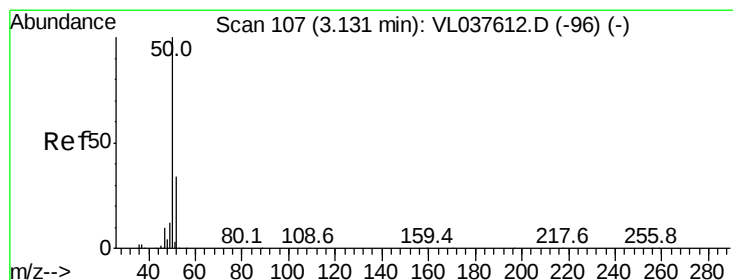
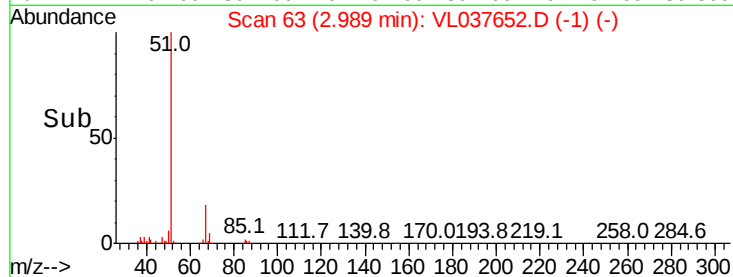
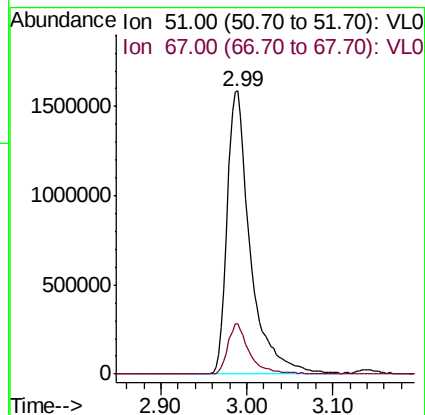
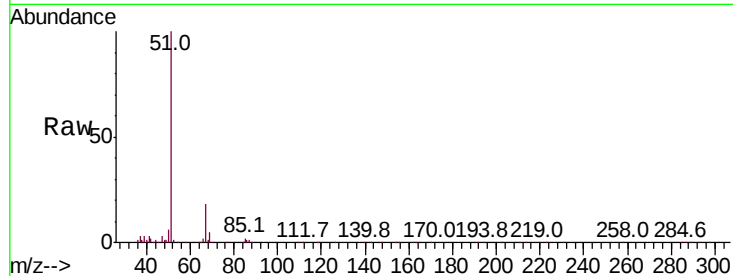
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 2978688

Ion Ratio Lower Upper

51 100

67 16.8 14.0 21.0



#4

Chloromethane

Concen: 10.706 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL037652.D

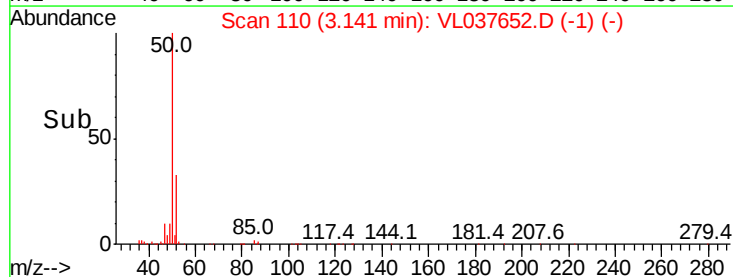
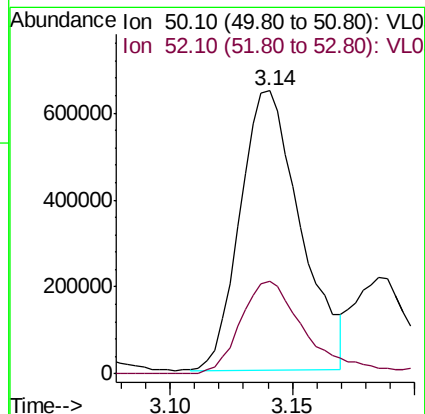
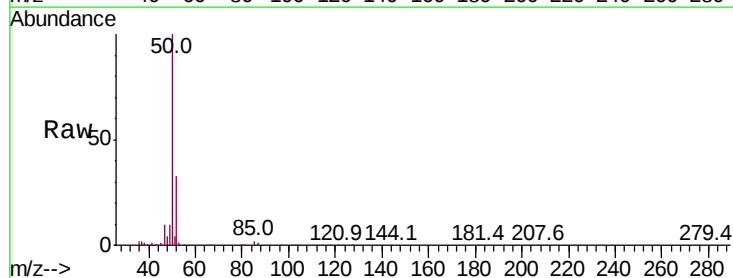
Acq: 18 Sep 2021 11:23

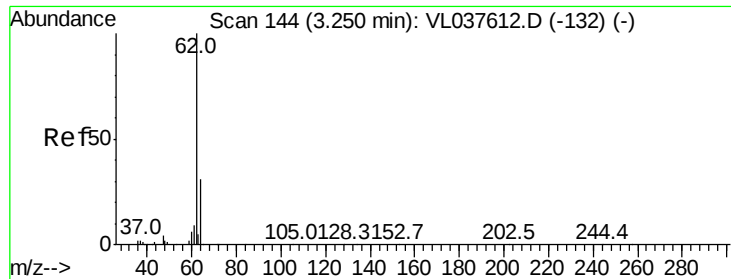
Tgt Ion: 50 Resp: 1109650

Ion Ratio Lower Upper

50 100

52 32.9 27.1 40.7





#5

Vinyl Chloride

Concen: 11.744 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

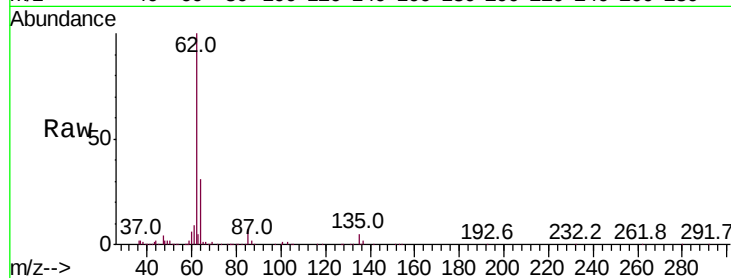
ClientSampleId :

Tot Ion: 62 Resp: 1143266

Ion Ratio Lower Upper

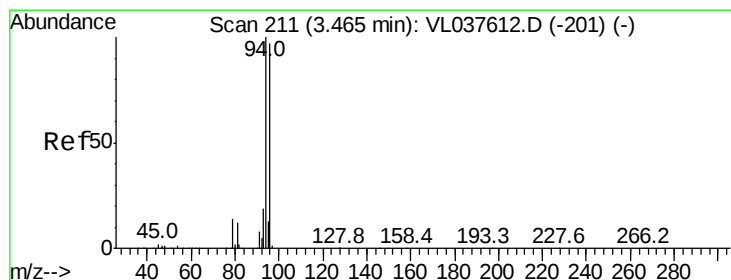
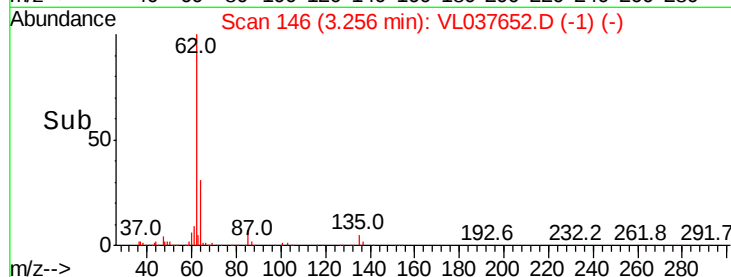
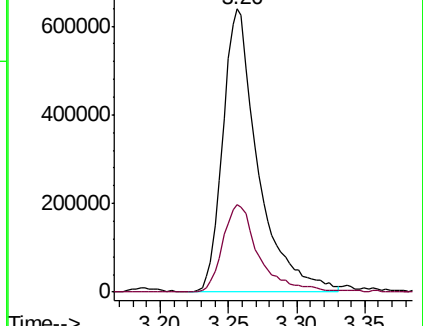
62 100

64 30.9 24.9 37.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 11.110 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.01 min

Lab File: VL037652.D

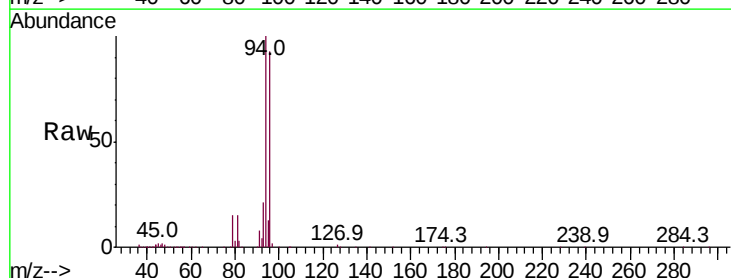
Acq: 18 Sep 2021 11:23

Tgt Ion: 94 Resp: 628666

Ion Ratio Lower Upper

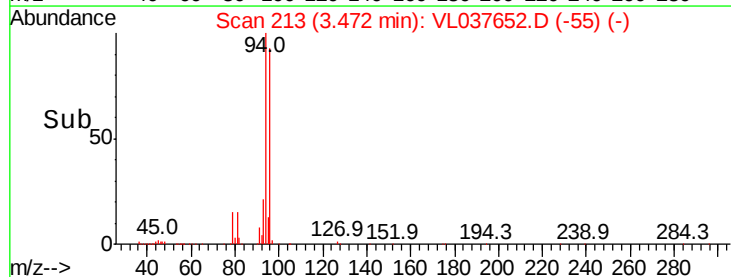
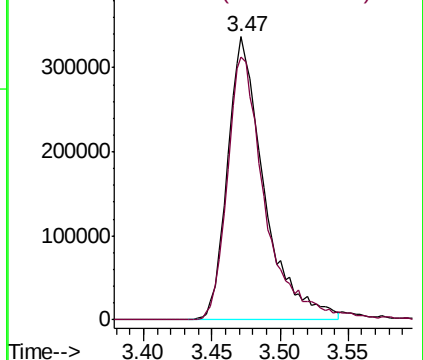
94 100

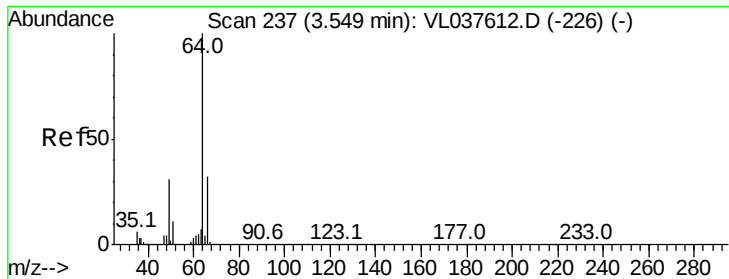
96 92.9 77.3 115.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.490 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

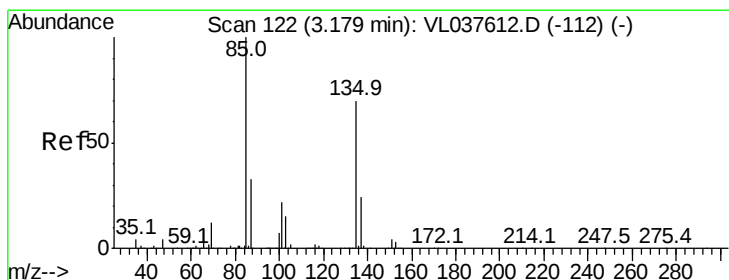
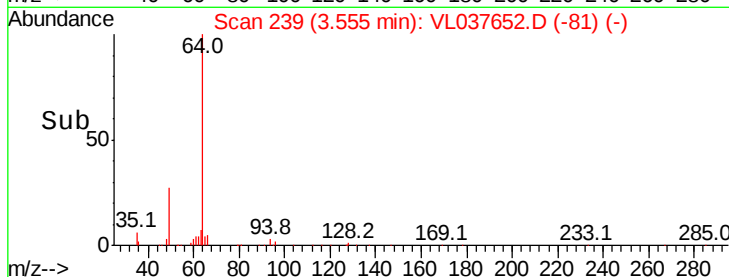
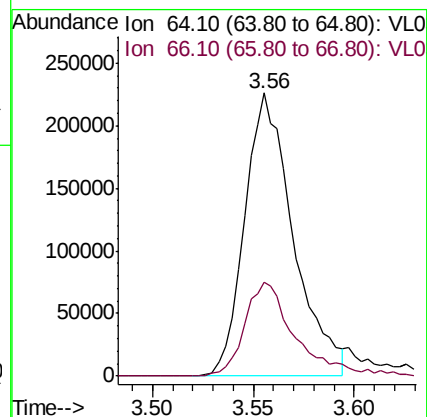
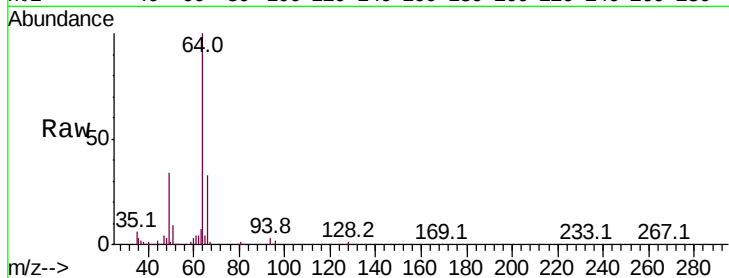
ClientSampled :

Tot Ion: 64 Resp: 381649

Ion Ratio Lower Upper

64 100

66 33.2 25.3 37.9



#8

Dichlorotetrafluoroethane

Concen: 10.850 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.01 min

Lab File: VL037652.D

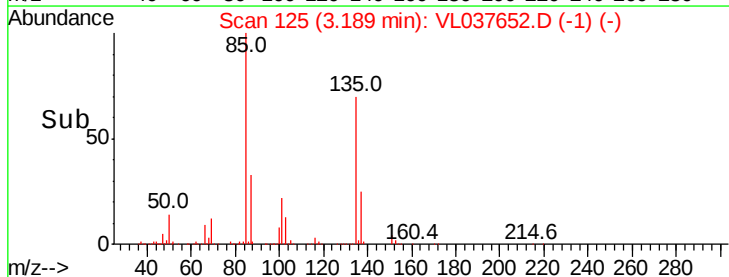
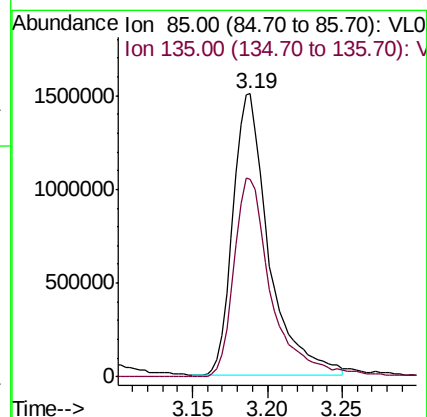
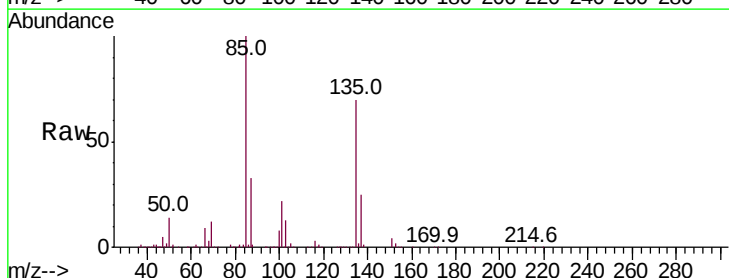
Acq: 18 Sep 2021 11:23

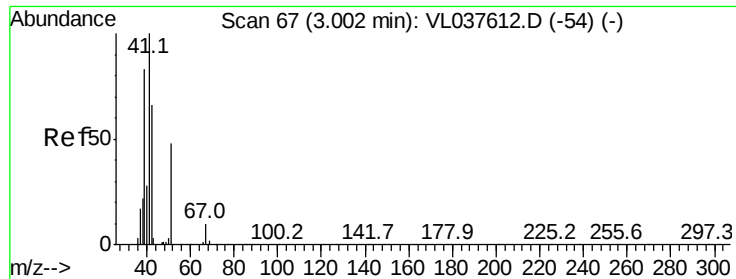
Tgt Ion: 85 Resp: 2519066

Ion Ratio Lower Upper

85 100

135 74.7 59.3 88.9

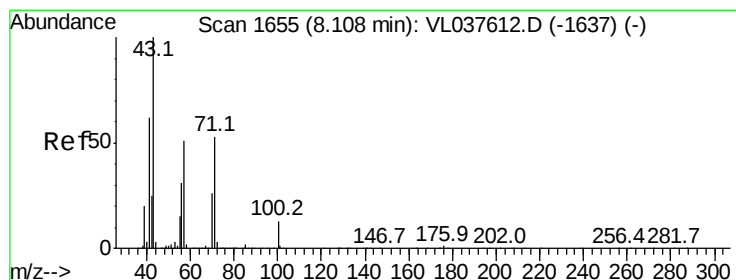
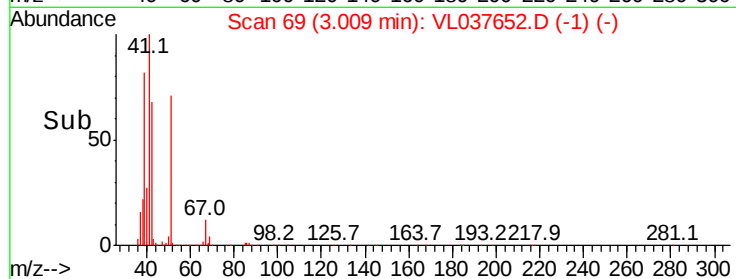
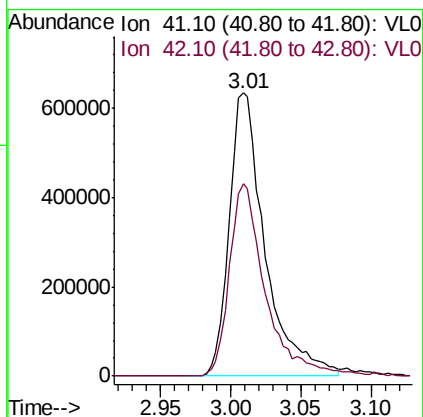
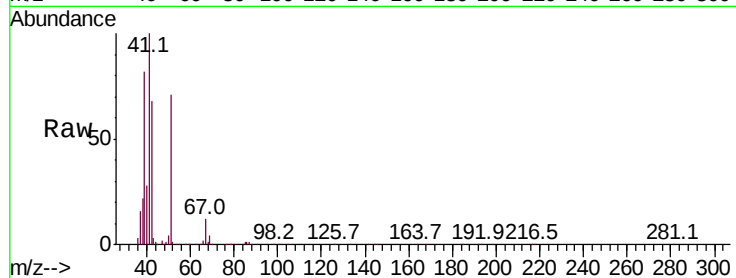




#9
 Propene
 Concen: 11.404 ppbv
 RT: 3.01 min Scan# 69
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

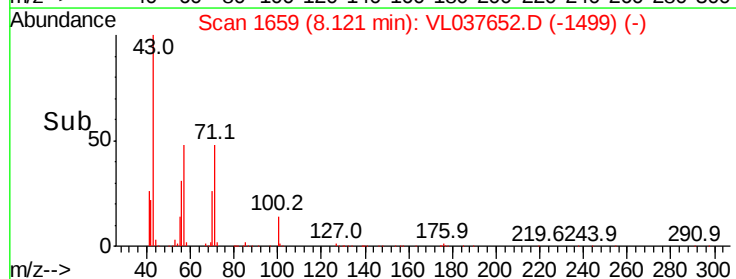
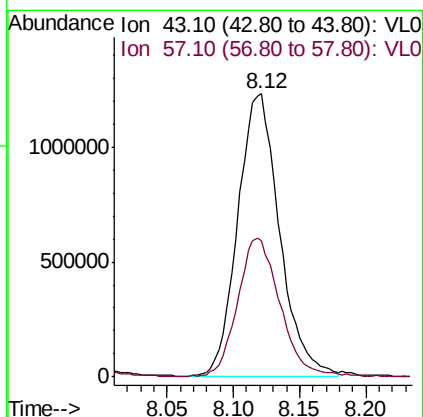
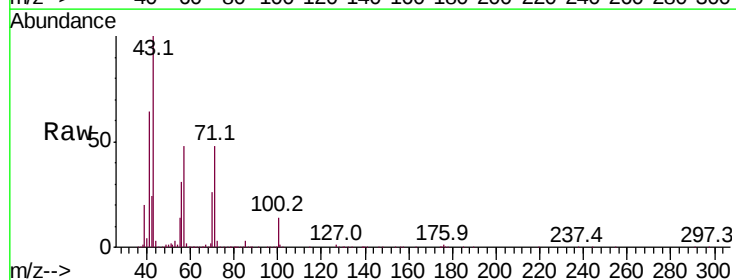
Instrument :
 MSVOA_L
 ClientSampleId :

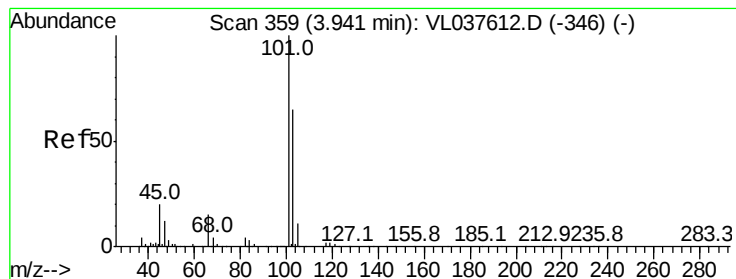
Tot Ion: 41 Resp: 1128456
 Ion Ratio Lower Upper
 41 100
 42 68.8 57.2 85.8



#10
 Heptane
 Concen: 11.621 ppbv
 RT: 8.12 min Scan# 1659
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Tgt Ion: 43 Resp: 2683373
 Ion Ratio Lower Upper
 43 100
 57 50.6 40.1 60.1





#11

Trichlorofluoromethane

Concen: 10.557 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

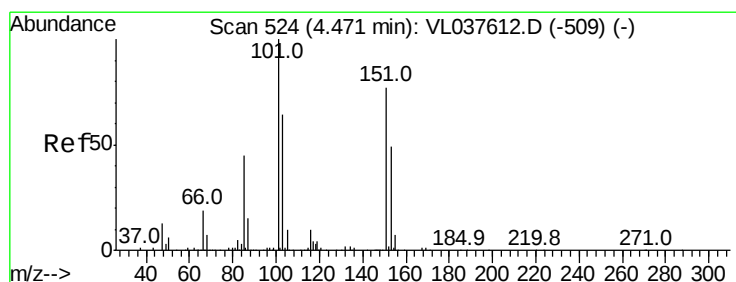
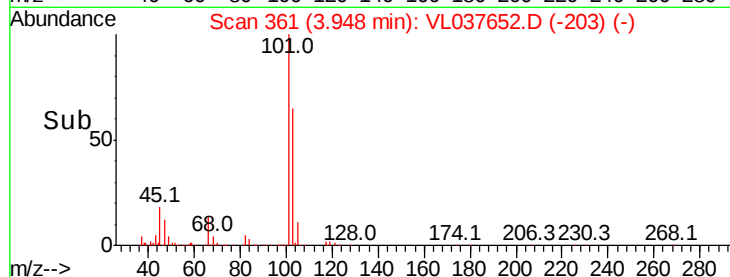
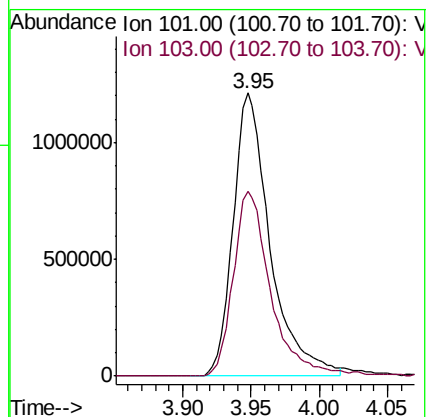
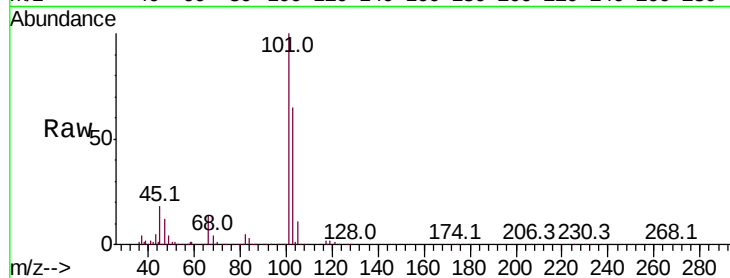
ClientSampleId :

Tot Ion:101 Resp: 2281076

Ion Ratio Lower Upper

101 100

103 65.1 51.9 77.9



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.986 ppbv

RT: 4.48 min Scan# 527

Delta R.T. 0.01 min

Lab File: VL037652.D

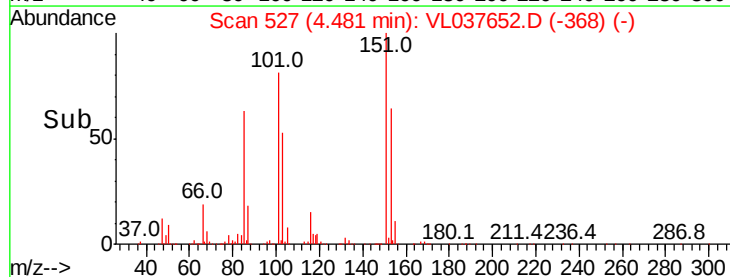
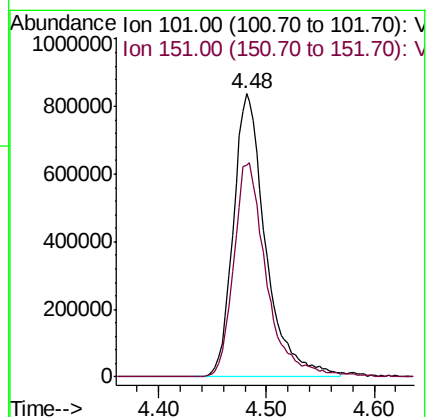
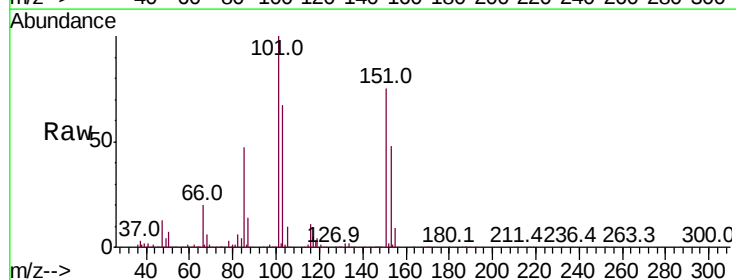
Acq: 18 Sep 2021 11:23

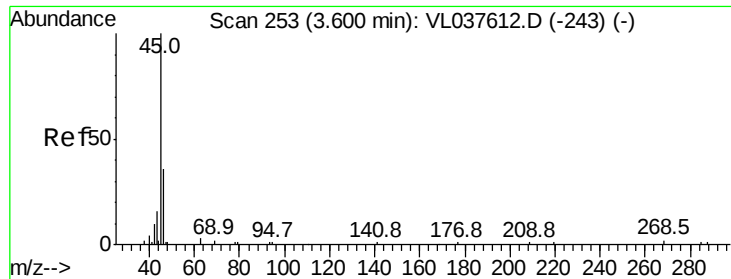
Tgt Ion:101 Resp: 1752195

Ion Ratio Lower Upper

101 100

151 77.1 63.5 95.3

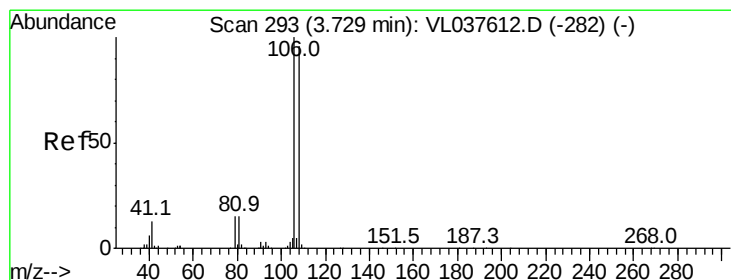
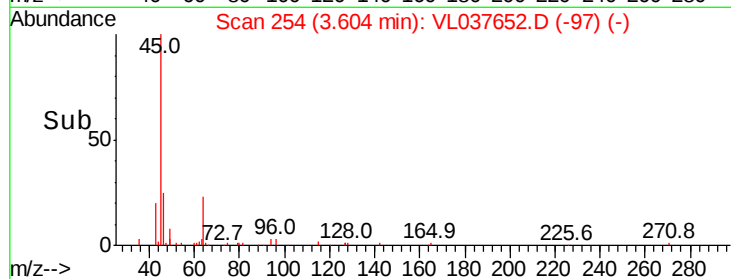
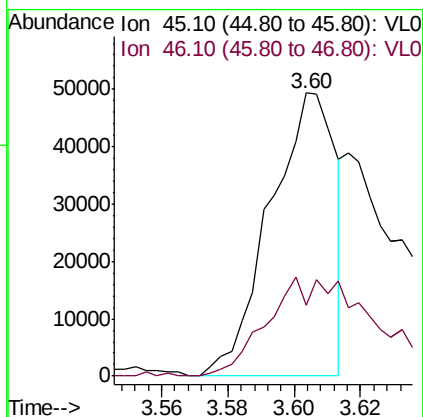
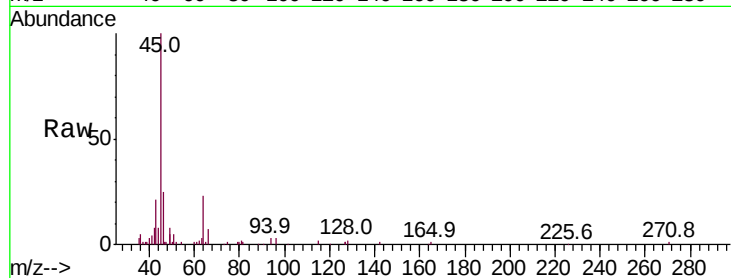




#13
Ethanol
Concen: 6.973 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

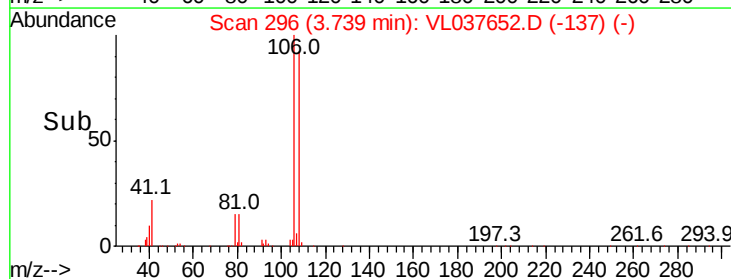
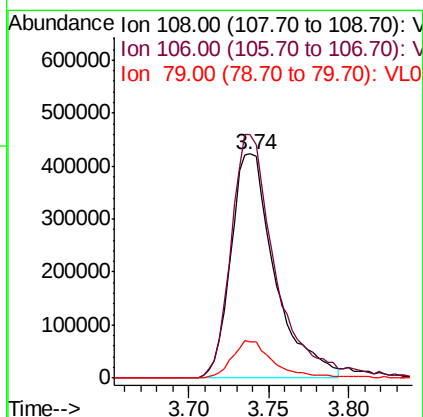
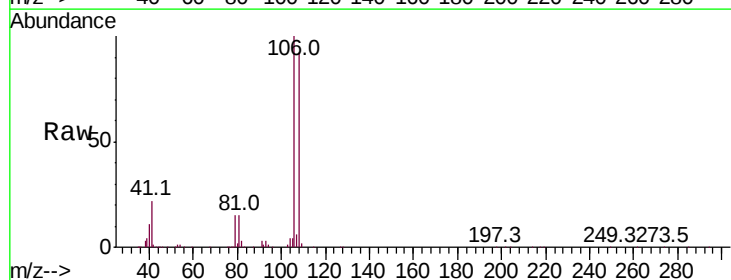
Instrument :
MSVOA_L
ClientSampled :

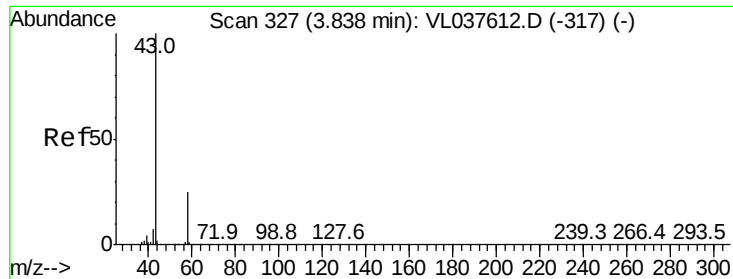
Tot Ion: 45 Resp: 67496
Ion Ratio Lower Upper
45 100
46 71.1 17.2 68.8#



#14
Bromoethene
Concen: 10.964 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion: 108 Resp: 795985
Ion Ratio Lower Upper
108 100
106 111.5 88.2 132.4
79 16.2 12.8 19.2





#15

Acetone

Concen: 8.976 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

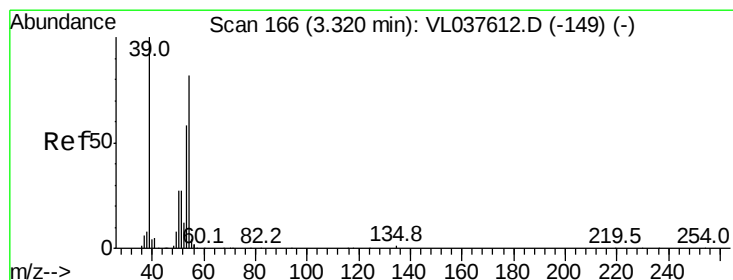
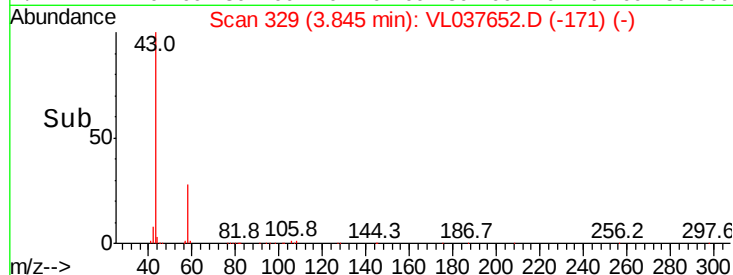
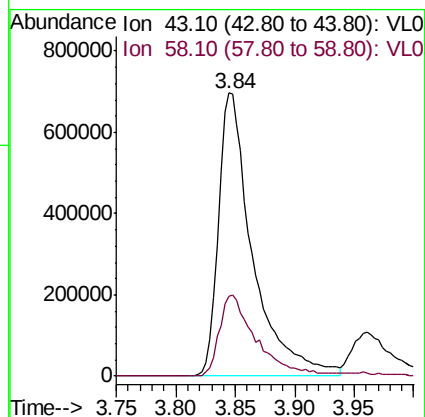
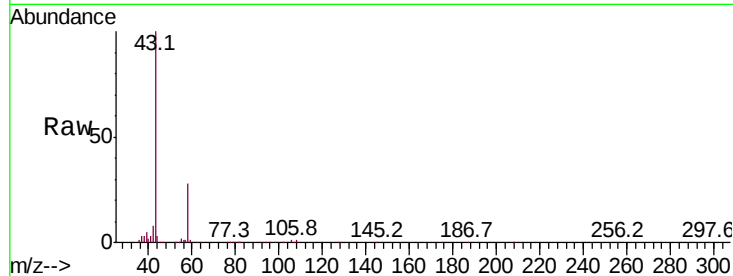
ClientSampleId :

Tot Ion: 43 Resp: 1387056

Ion Ratio Lower Upper

43 100

58 32.7 24.9 37.3



#16

1,3-Butadiene

Concen: 11.507 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.01 min

Lab File: VL037652.D

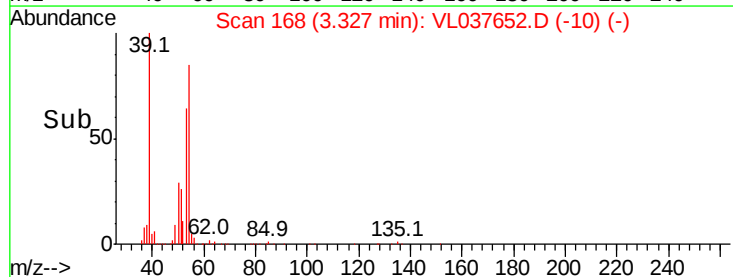
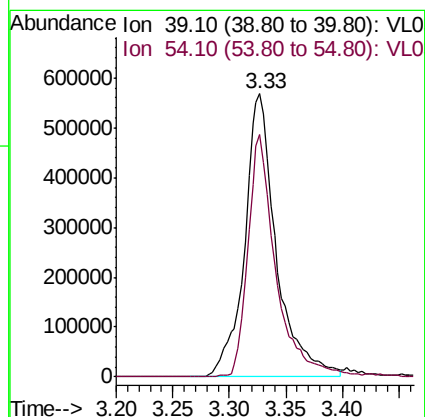
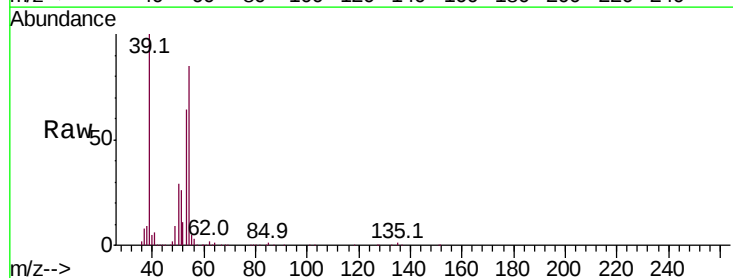
Acq: 18 Sep 2021 11:23

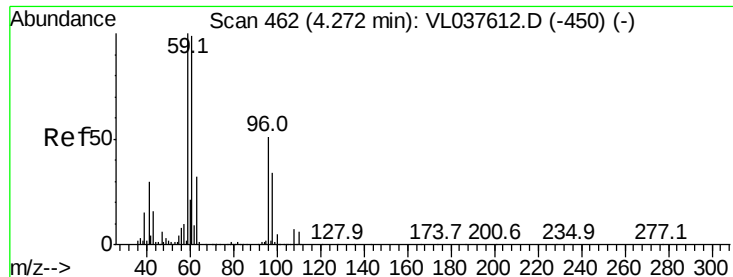
Tgt Ion: 39 Resp: 1111081

Ion Ratio Lower Upper

39 100

54 76.5 62.6 93.8



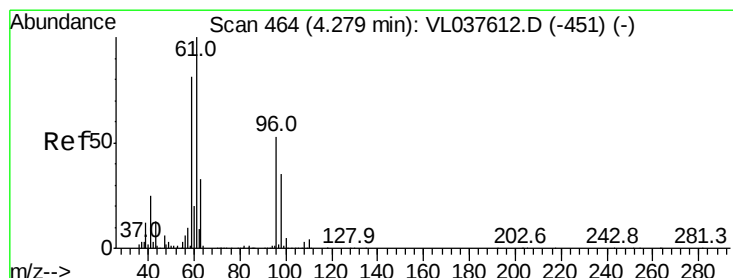
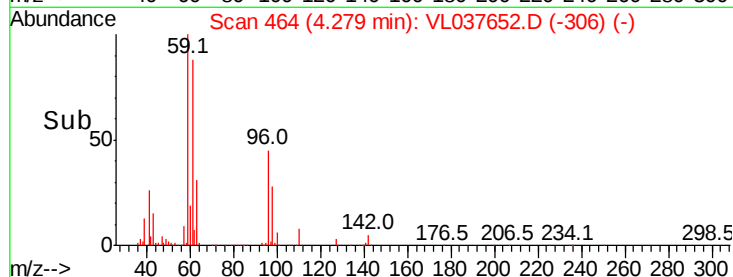
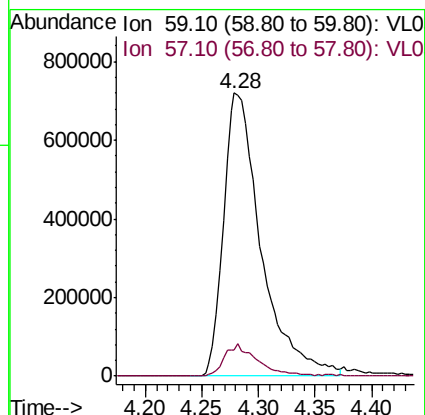
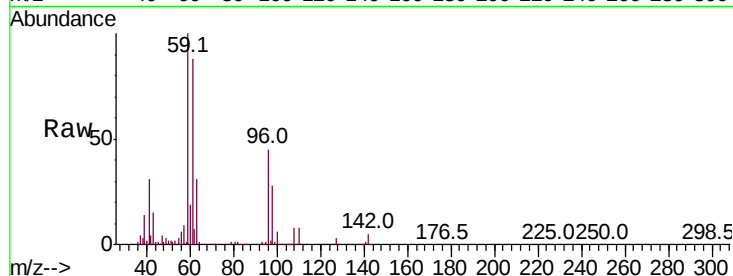


#17

tert-Butyl alcohol
 Concen: 12.695 ppbv
 RT: 4.28 min Scan# 464
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Instrument :
 MSVOA_L
 ClientSampleId :

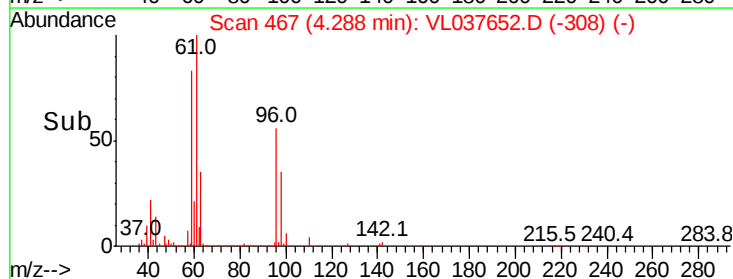
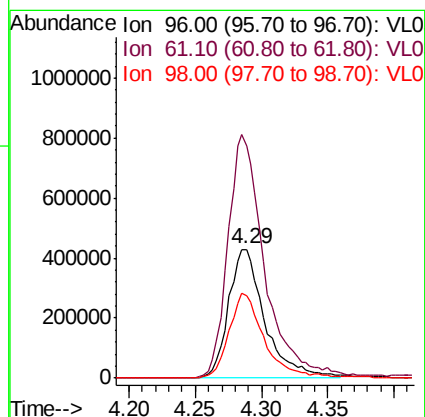
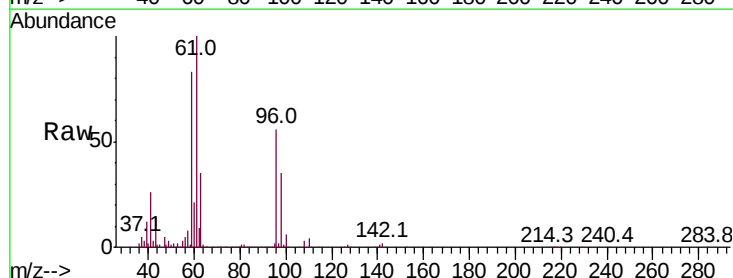
Tot Ion: 59 Resp: 1663432
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.4 12.6

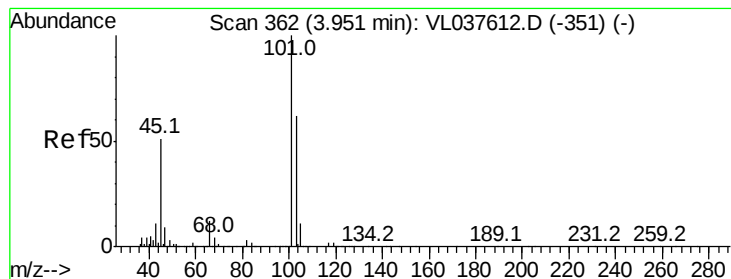


#18

1,1-Dichloroethene
 Concen: 11.002 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Tgt Ion: 96 Resp: 817402
 Ion Ratio Lower Upper
 96 100
 61 179.8 150.4 225.6
 98 63.4 52.1 78.1





#19

Isopropyl Alcohol

Concen: 11.552 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

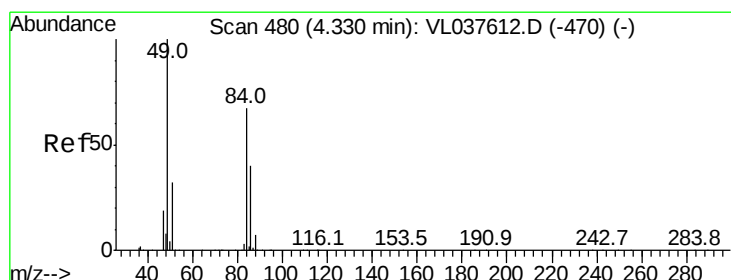
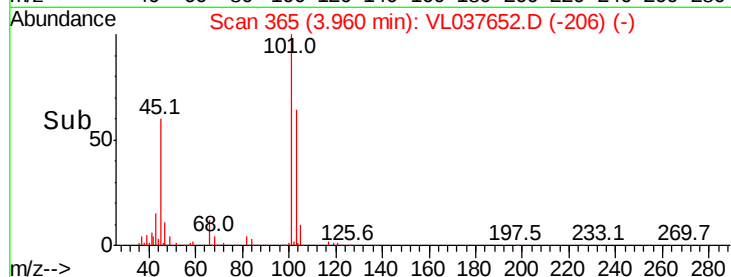
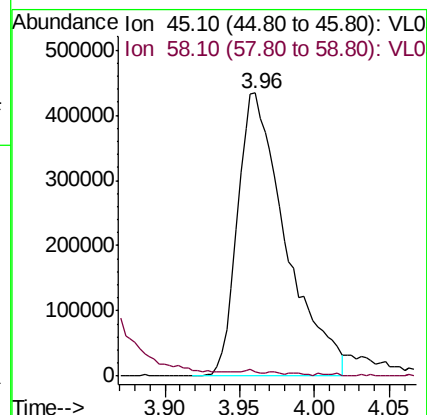
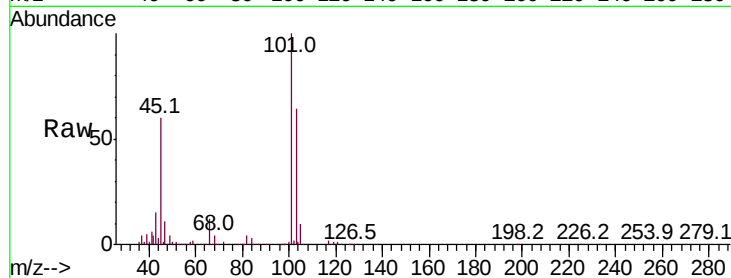
ClientSampleId :

Tot Ion: 45 Resp: 971299

Ion Ratio Lower Upper

45 100

58 1.4 2.9 4.3#



#20

Methylene Chloride

Concen: 9.440 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Tgt Ion: 84 Resp: 696398

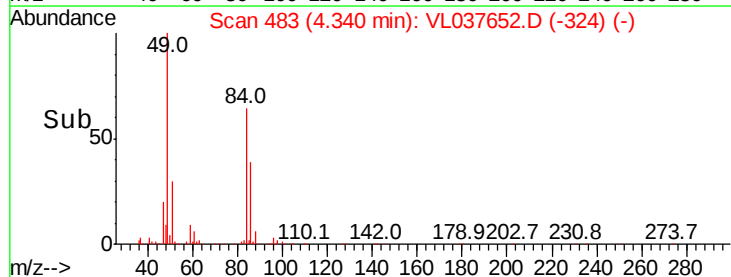
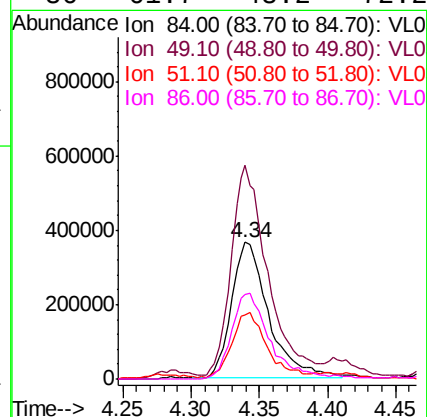
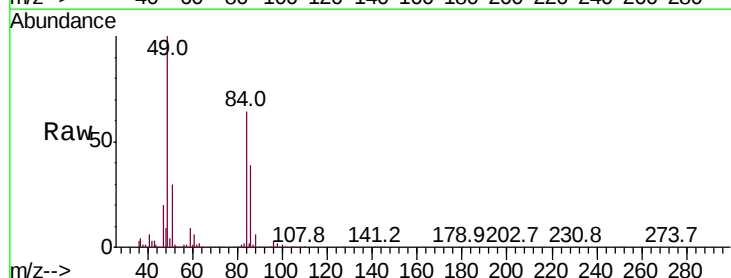
Ion Ratio Lower Upper

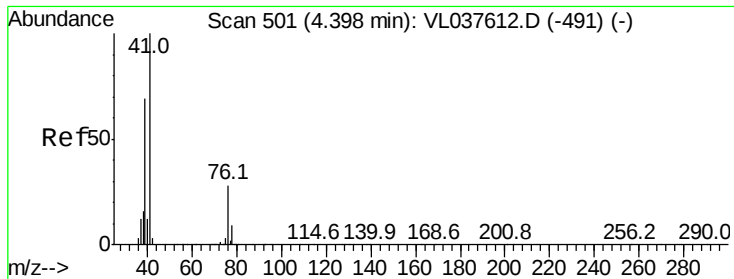
84 100

49 153.8 120.0 180.0

51 45.2 38.0 57.0

86 61.7 48.2 72.2





#21

Allvl Chloride

Concen: 11.621 ppbv

RT: 4.41 min Scan# 504

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :
MSVOA_L
ClientSampled :

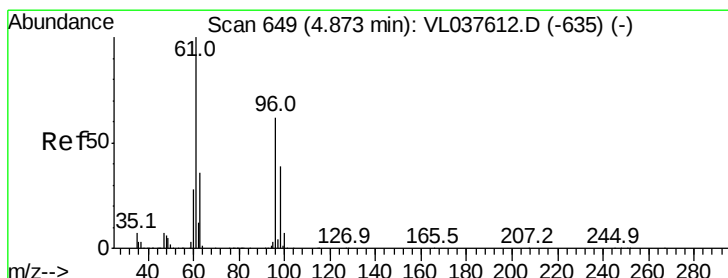
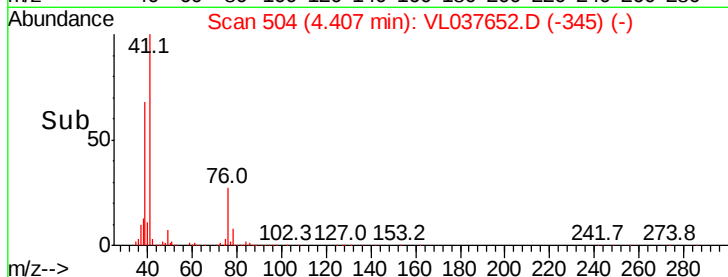
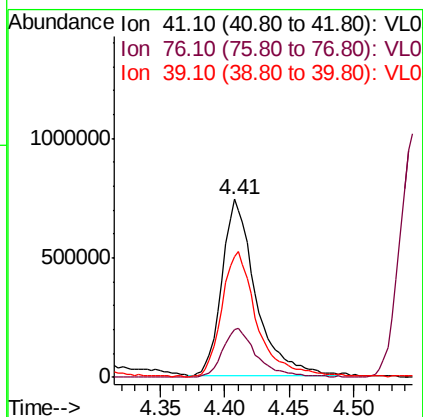
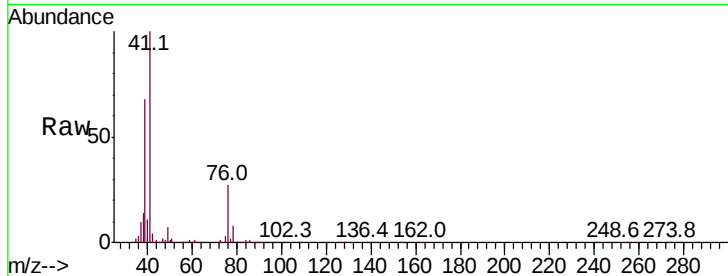
Tot Ion: 41 Resp: 1341598

Ion Ratio Lower Upper

41 100

76 28.7 23.1 34.7

39 73.9 61.0 91.6



#22

trans-1,2-Dichloroethene

Concen: 10.818 ppbv

RT: 4.88 min Scan# 652

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

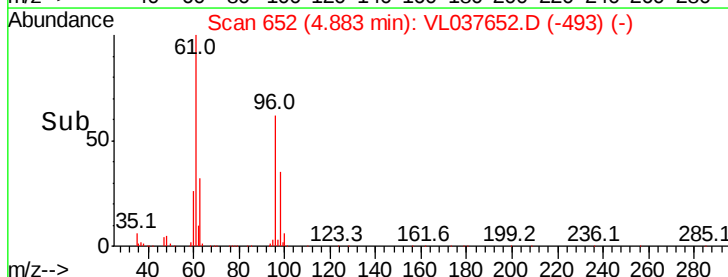
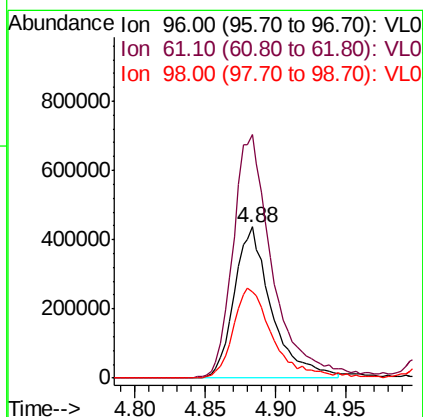
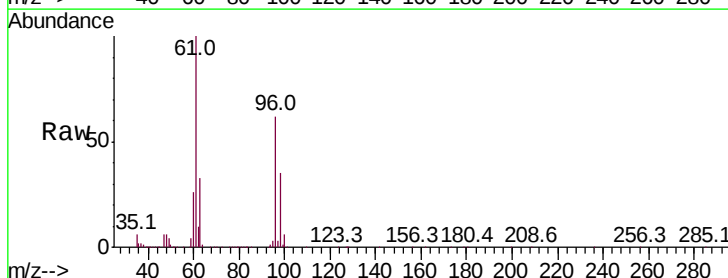
Tgt Ion: 96 Resp: 808667

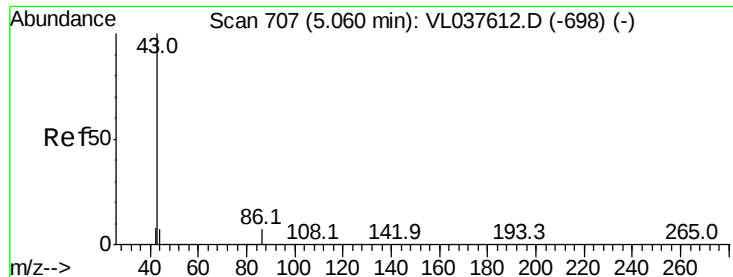
Ion Ratio Lower Upper

96 100

61 160.6 129.2 193.8

98 56.4 50.4 75.6



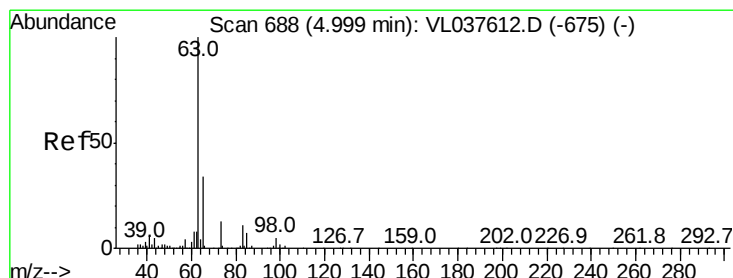
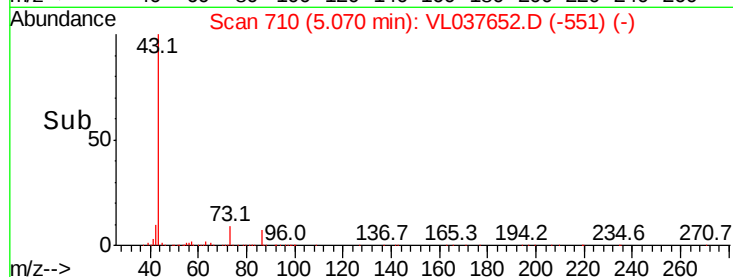
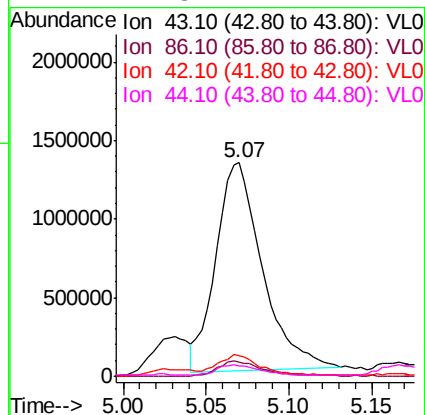
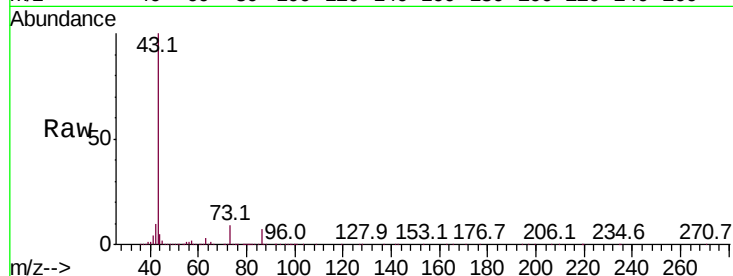


#23
 Vinyl Acetate
 Concen: 12.099 ppbv
 RT: 5.07 min Scan# 710
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 2587160

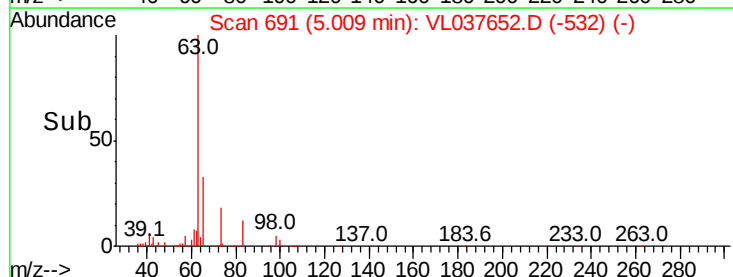
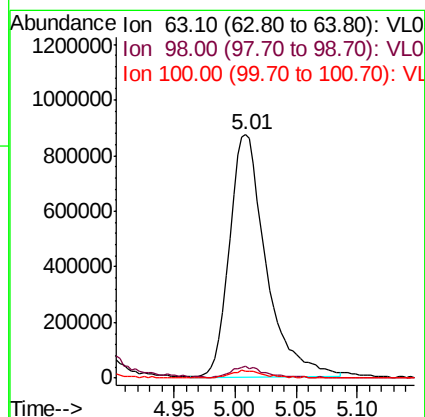
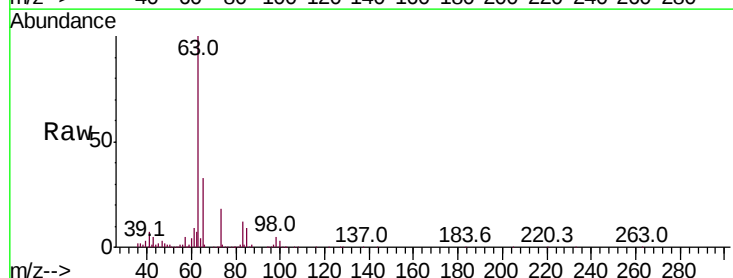
Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.0	7.6
42	9.5	7.5	11.3
44	4.3	4.7	7.1#

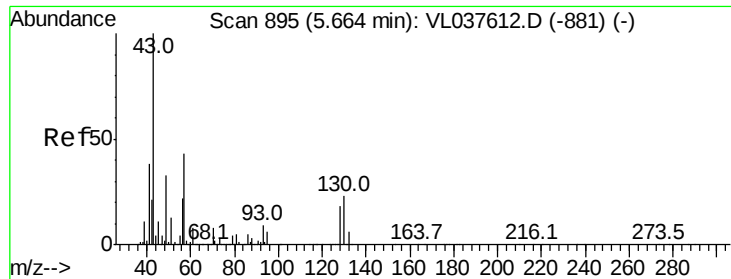


#24
 1,1-Dichloroethane
 Concen: 11.986 ppbv
 RT: 5.01 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Tgt Ion: 63 Resp: 1836121

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.4	7.2
100	2.6	1.1	3.5



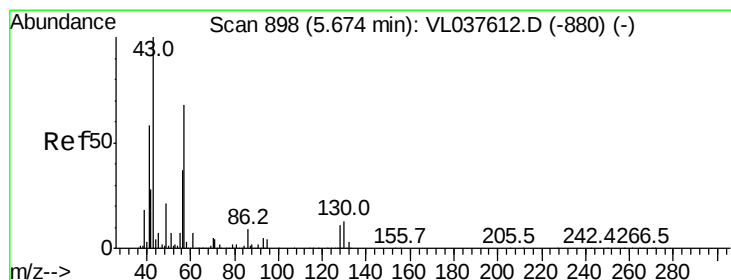
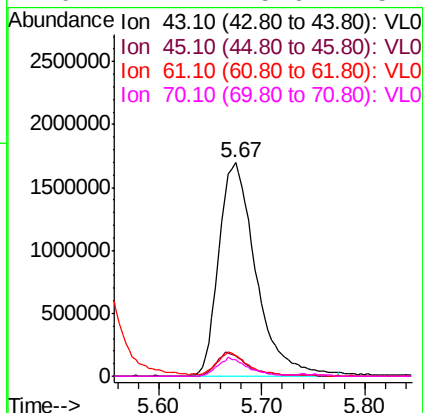
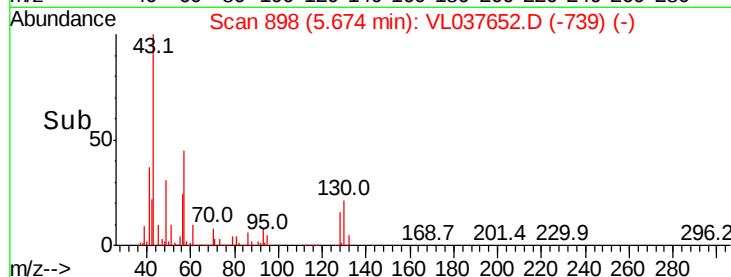
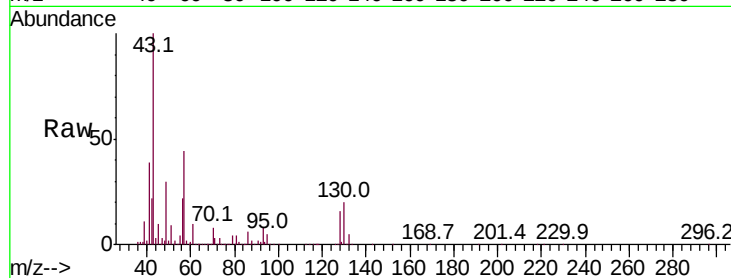


#25
Ethyl Acetate
Concen: 11.367 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 4254239

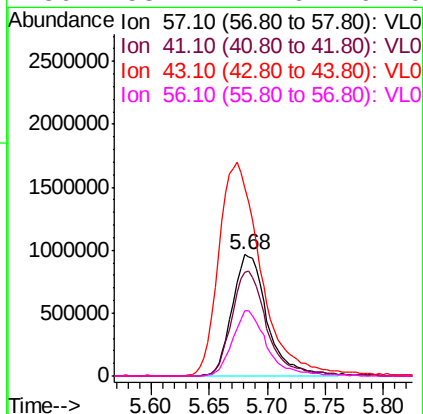
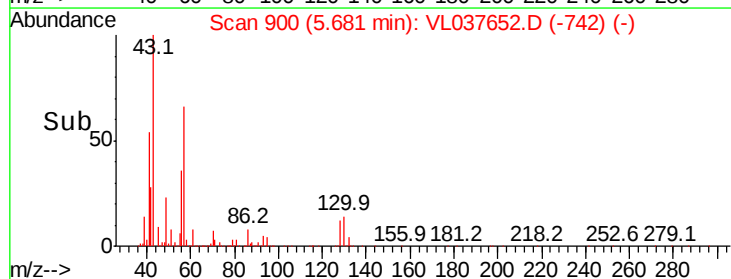
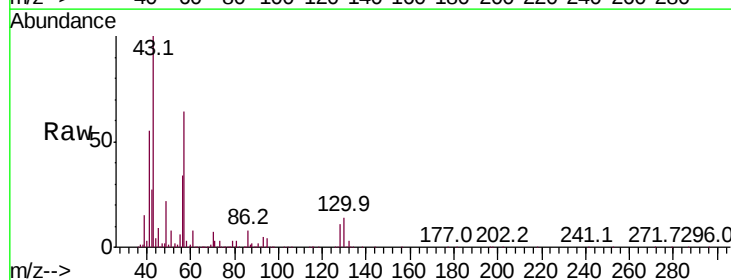
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.9	7.5	11.3
70	7.1	5.6	8.4

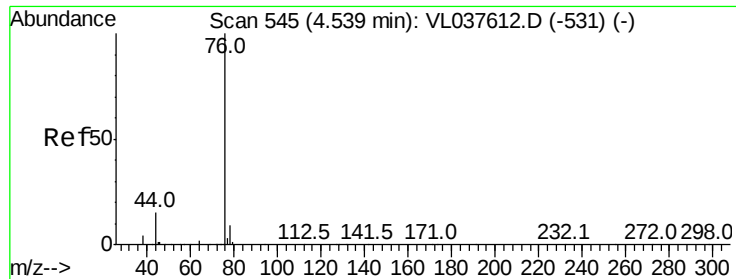


#26
Hexane
Concen: 11.346 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion: 57 Resp: 2017044

Ion	Ratio	Lower	Upper
57	100		
41	87.8	70.9	106.3
43	214.2	170.4	255.6
56	53.1	42.6	64.0





#27

Carbon Disulfide

Concen: 12.335 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

ClientSampleId :

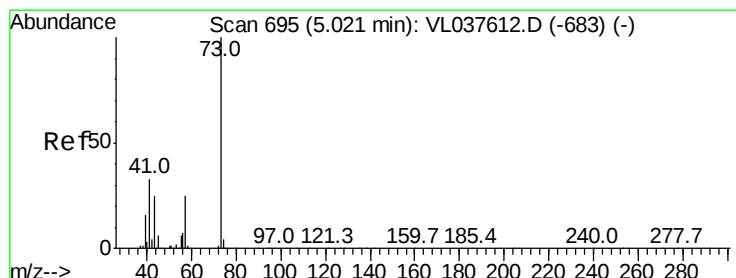
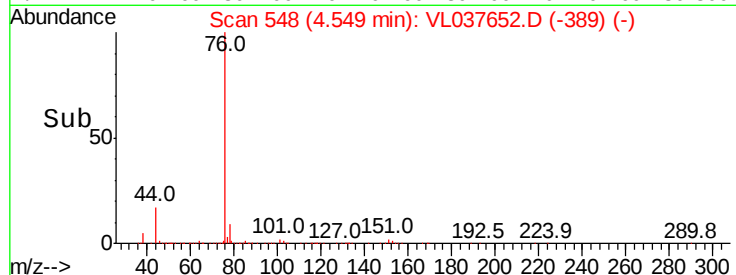
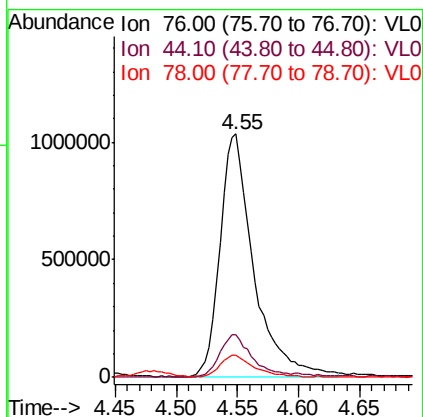
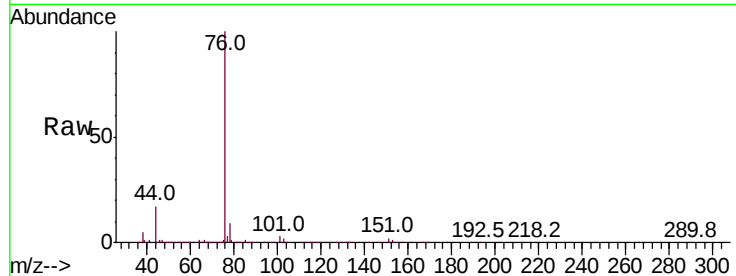
Tot Ion: 76 Resp: 2006193

Ion Ratio Lower Upper

76 100

44 18.2 14.2 21.2

78 9.5 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 13.749 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.01 min

Lab File: VL037652.D

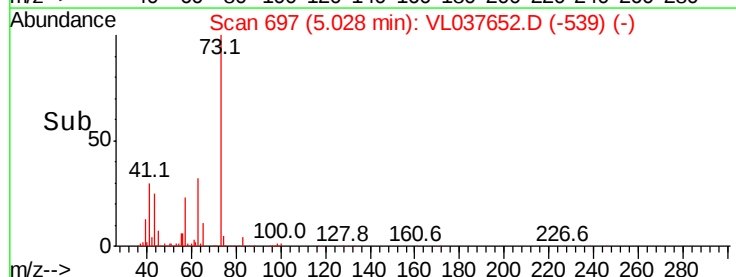
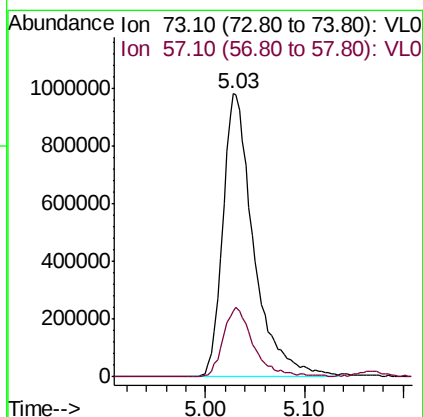
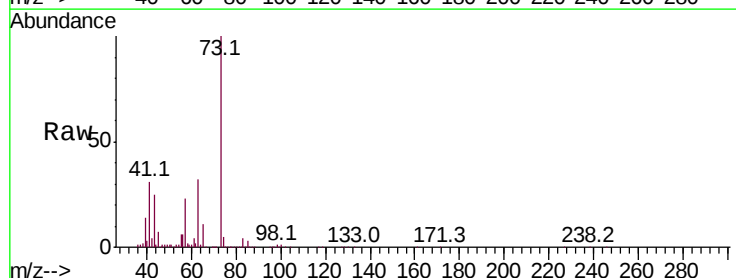
Acq: 18 Sep 2021 11:23

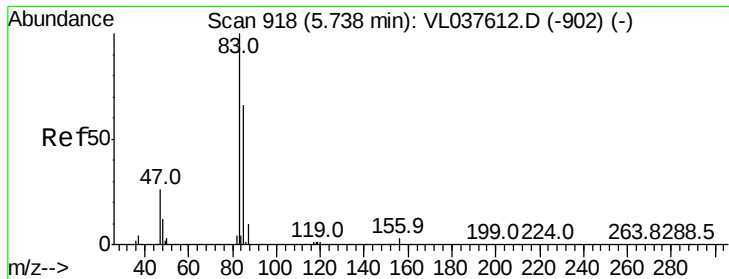
Tgt Ion: 73 Resp: 2152884

Ion Ratio Lower Upper

73 100

57 24.3 20.1 30.1

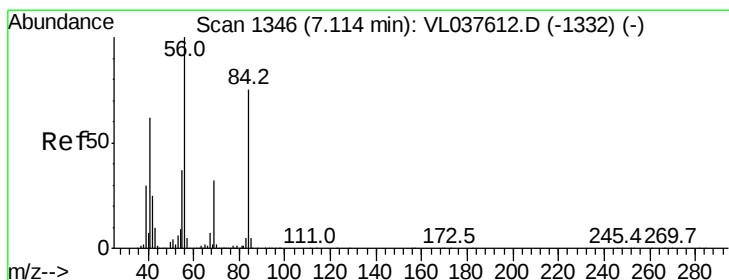
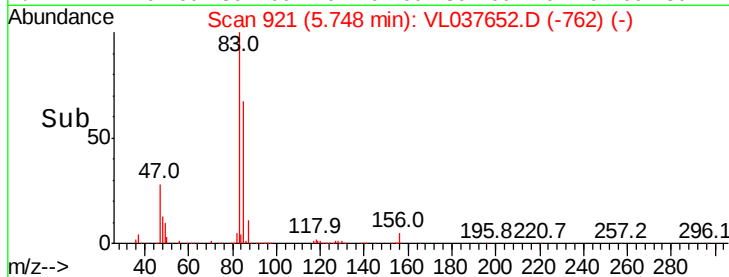
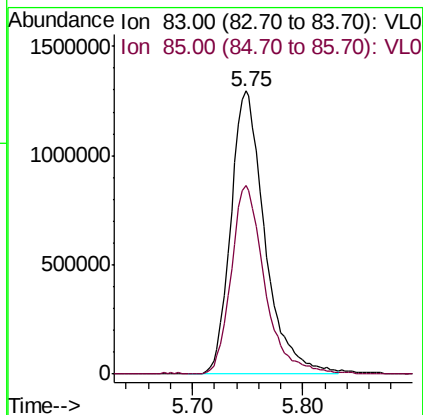
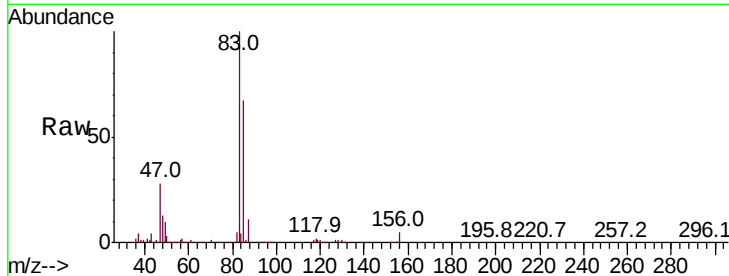




#29
Chloroform
Concen: 10.706 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

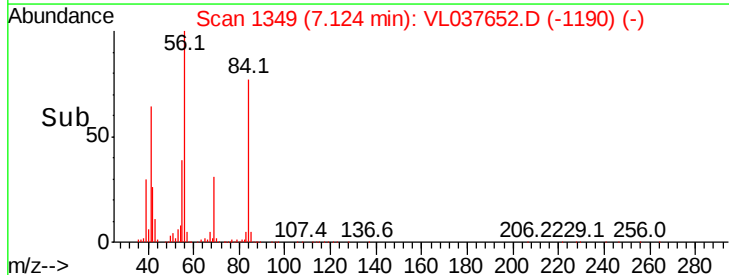
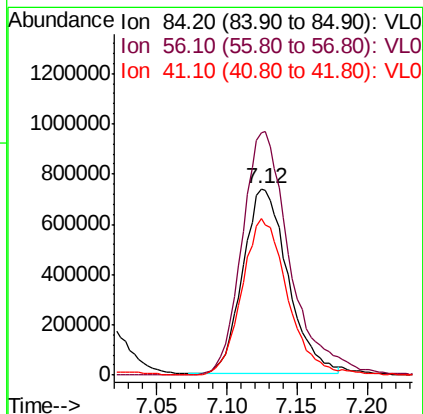
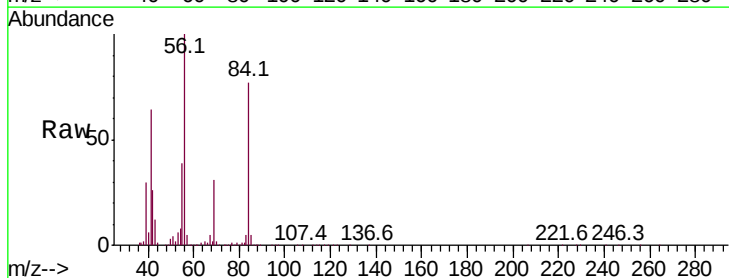
Instrument :
MSVOA_L
ClientSampled :

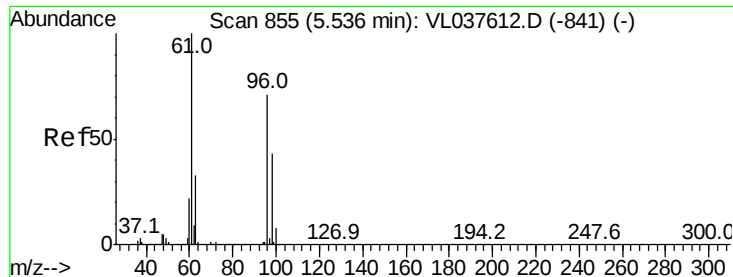
Tot Ion: 83 Resp: 2779169
Ion Ratio Lower Upper
83 100
85 66.6 52.6 79.0



#30
Cyclohexane
Concen: 10.899 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion: 84 Resp: 1657241
Ion Ratio Lower Upper
84 100
56 140.1 113.6 170.4
41 85.7 67.9 101.9



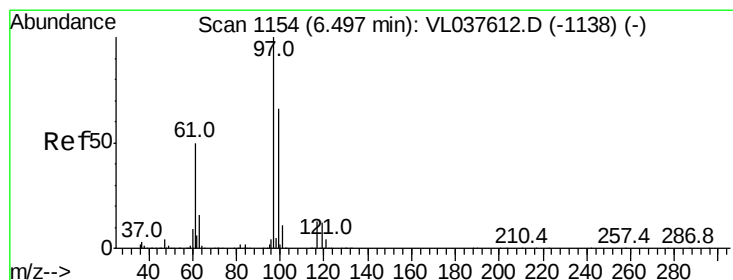
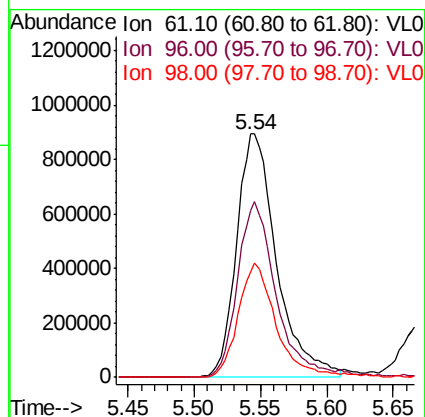
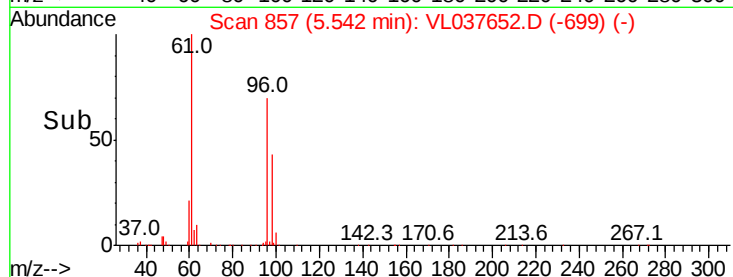
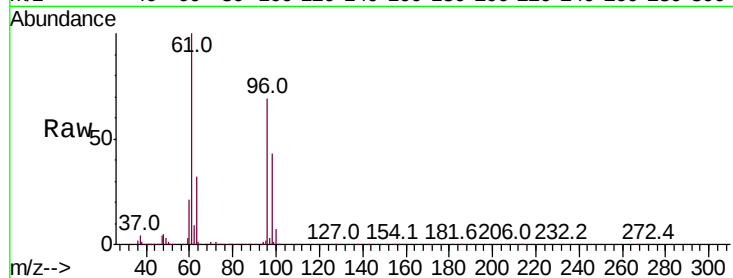


#31

cis-1,2-Dichloroethene
Concen: 11.597 ppbv
RT: 5.54 min Scan# 857
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Instrument :
MSVOA_L
ClientSampleId :

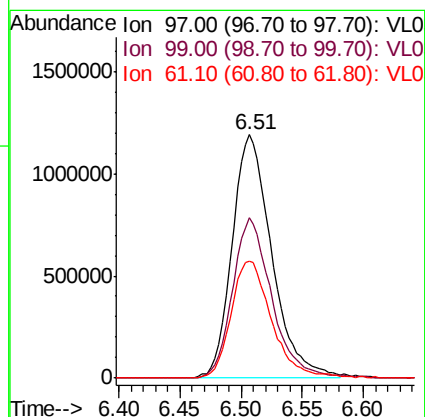
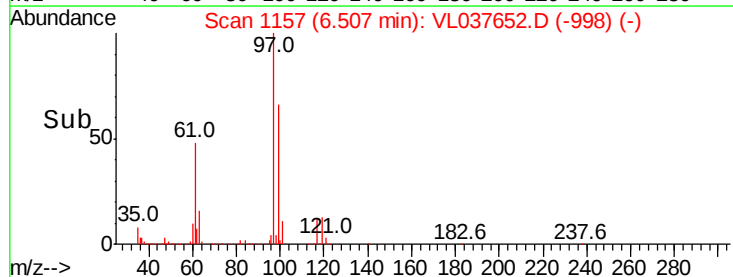
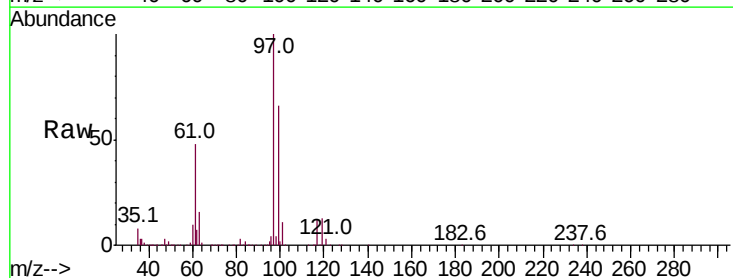
Tot Ion: 61 Resp: 1871771
Ion Ratio Lower Upper
61 100
96 68.5 56.7 85.1
98 43.3 34.6 52.0

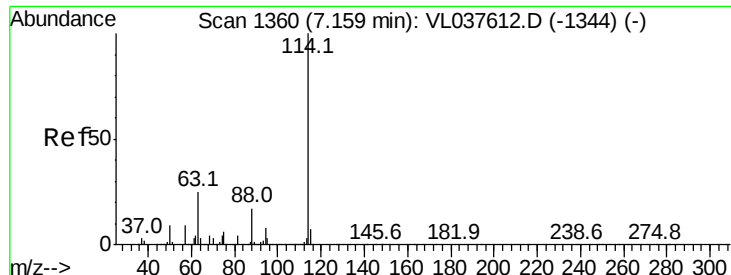


#32

1,1,1-Trichloroethane
Concen: 11.095 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion: 97 Resp: 2681485
Ion Ratio Lower Upper
97 100
99 65.6 52.3 78.5
61 49.4 39.5 59.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. 0.01 min

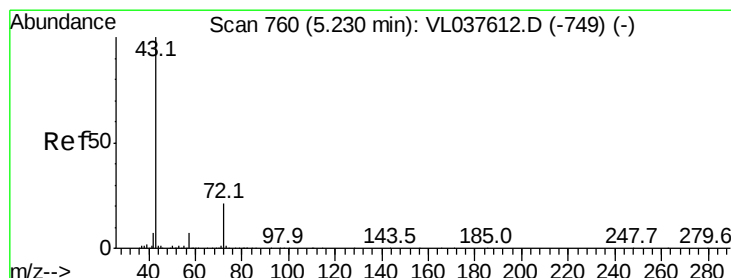
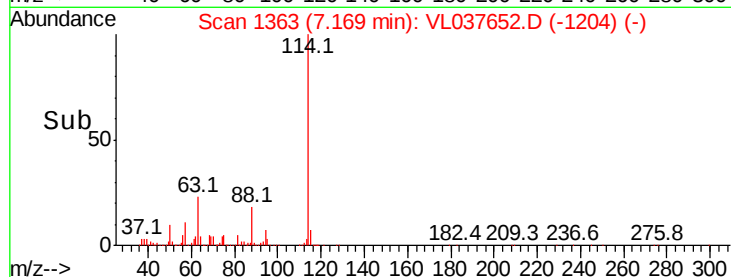
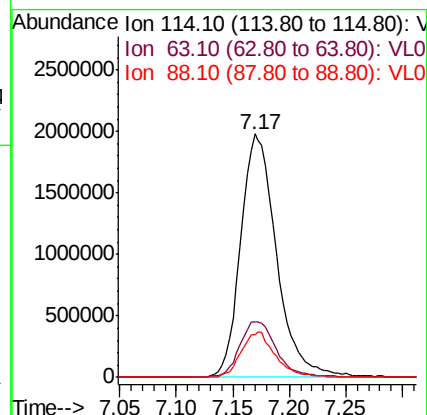
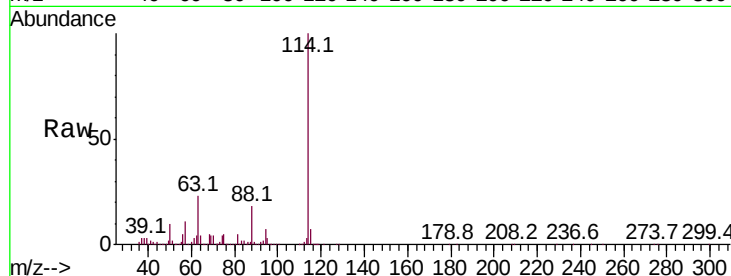
Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:114 Resp: 4356279

Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.6	29.4
88	18.0	14.2	21.4



#34

2-Butanone

Concen: 10.771 ppbv

RT: 5.24 min Scan# 763

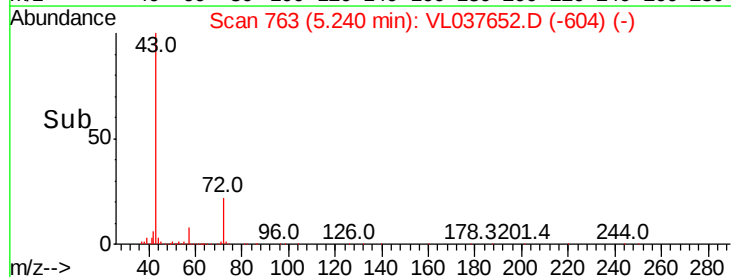
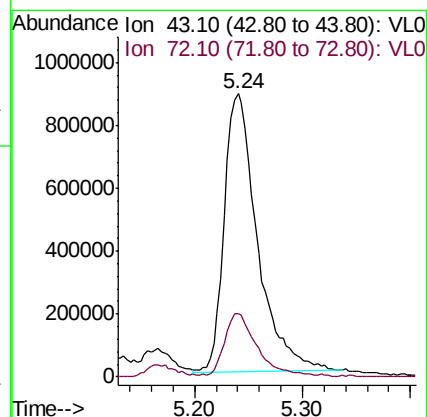
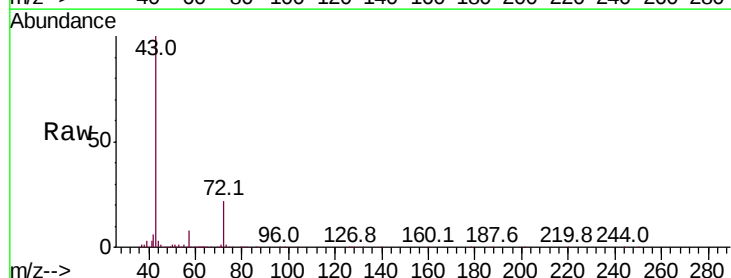
Delta R.T. 0.01 min

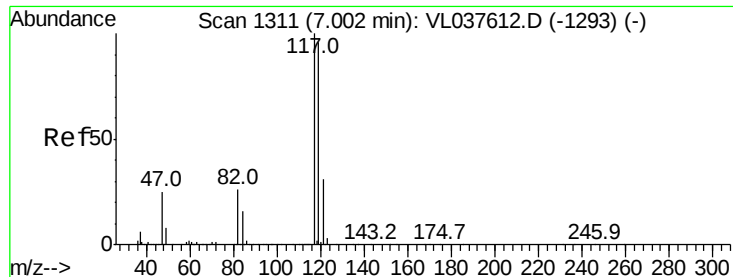
Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Tgt Ion: 43 Resp: 1906800

Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.4	27.6





#35

Carbon Tetrachloride

Concen: 11.181 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

ClientSampleId :

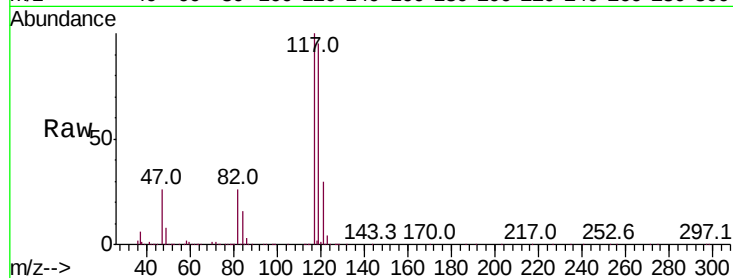
Tot Ion:117 Resp: 2755155

Ion Ratio Lower Upper

117 100

119 94.8 77.0 115.6

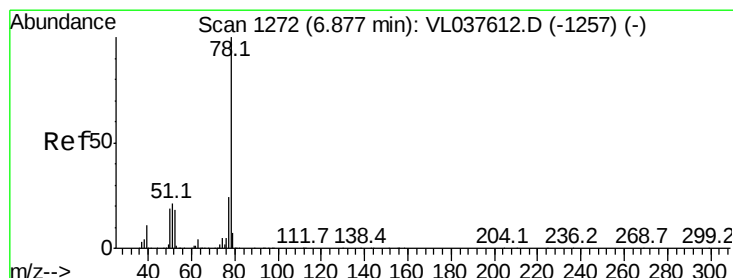
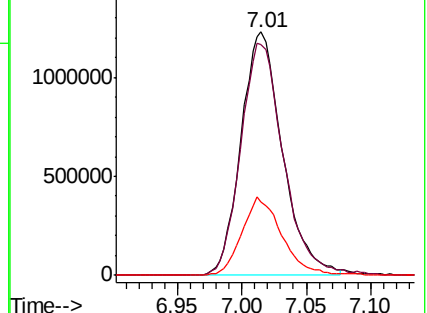
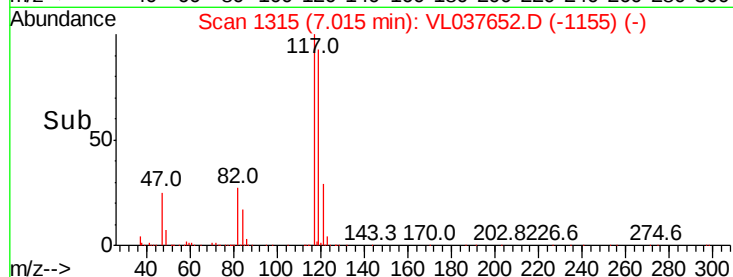
121 30.1 24.5 36.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 11.349 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

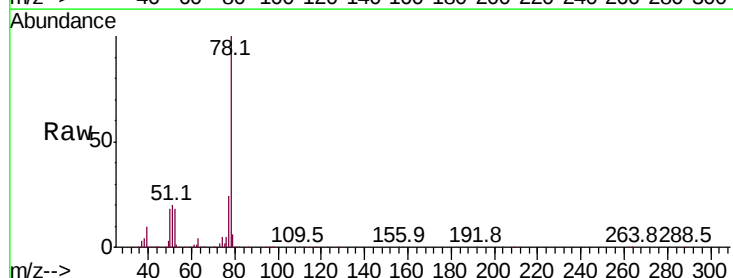
Tgt Ion: 78 Resp: 4122540

Ion Ratio Lower Upper

78 100

77 24.4 19.0 28.4

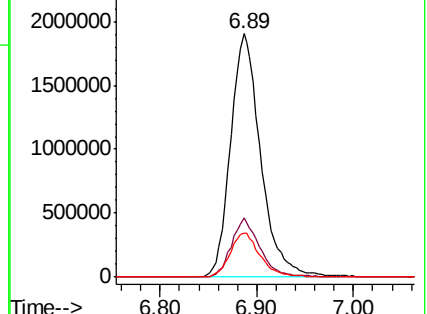
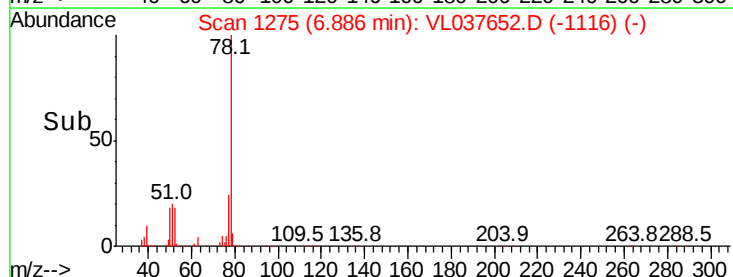
50 17.9 14.8 22.2

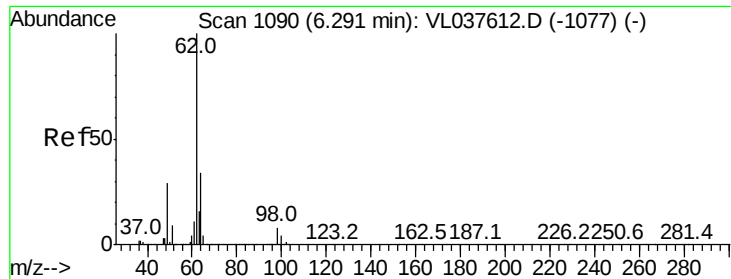


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

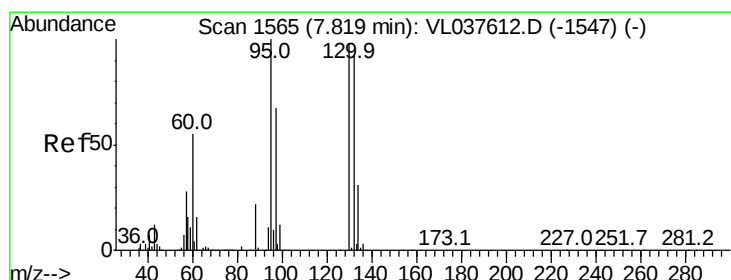
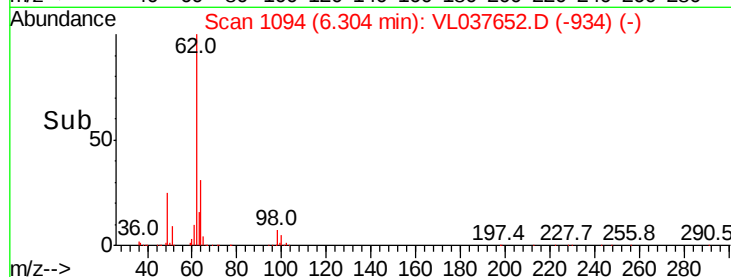
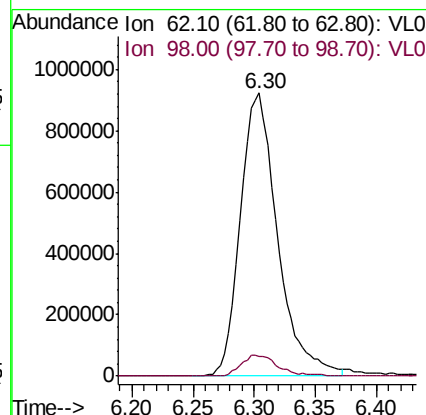
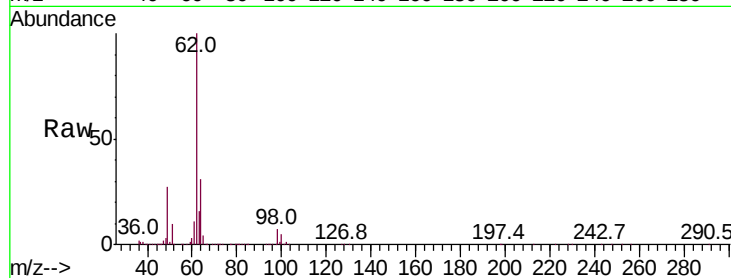




#37
1,2-Dichloroethane
Concen: 10.932 ppbv
RT: 6.30 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

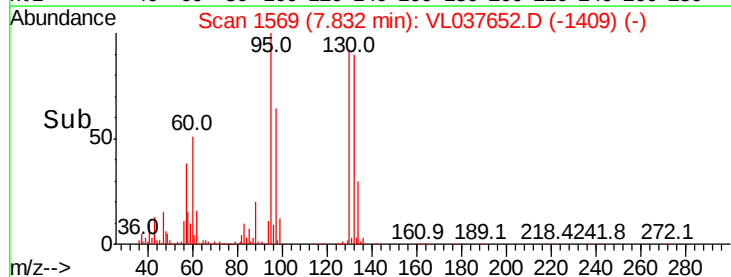
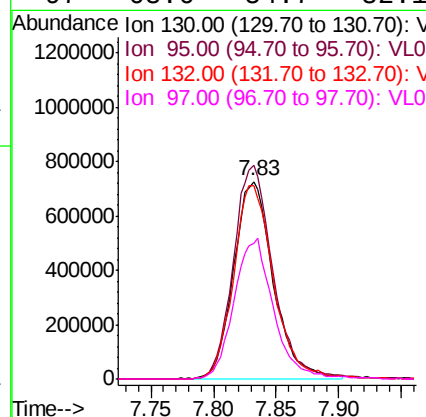
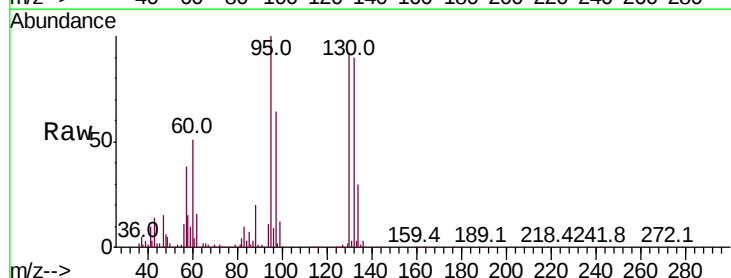
Instrument :
MSVOA_L
ClientSampleId :

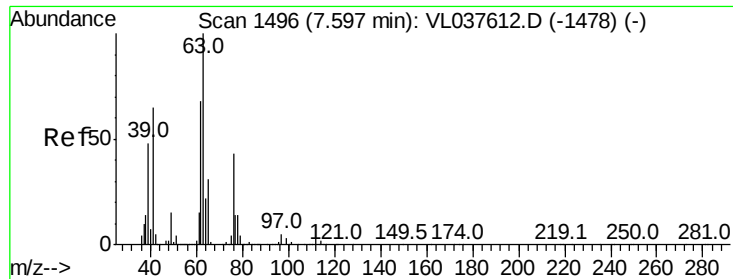
Tot Ion: 62 Resp: 1953099
Ion Ratio Lower Upper
62 100
98 7.7 6.1 9.1



#38
Trichloroethene
Concen: 10.561 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion:130 Resp: 1602589
Ion Ratio Lower Upper
130 100
95 107.9 81.8 122.6
132 97.4 75.3 112.9
97 68.6 54.7 82.1





#39

1,2-Dichloropropane

Concen: 11.247 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

ClientSampleId :

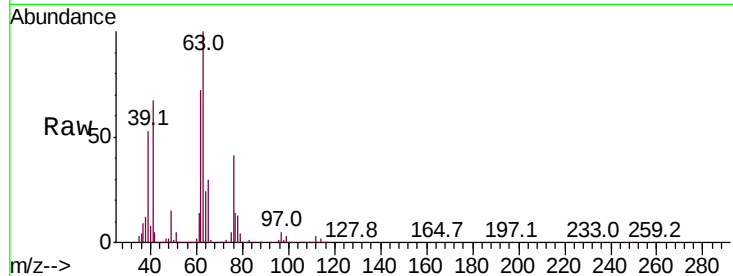
Tot Ion: 63 Resp: 1564806

Ion Ratio Lower Upper

63 100

41 66.2 51.6 77.4

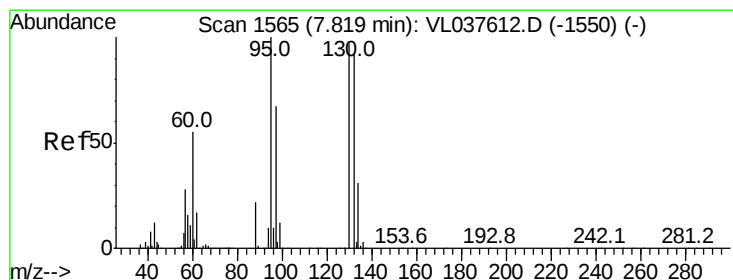
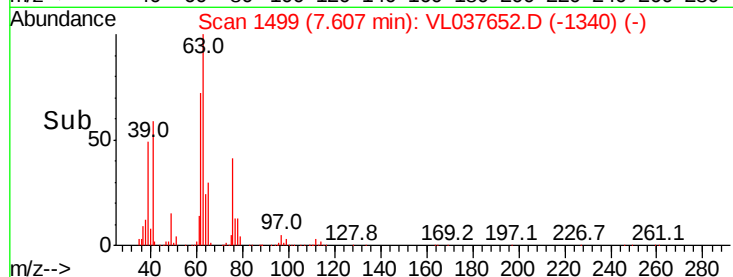
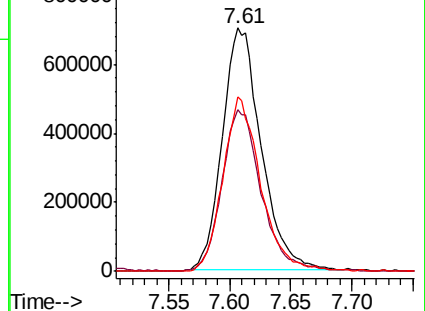
62 71.8 54.6 81.8



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: 11.398 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Tgt Ion: 88 Resp: 385746

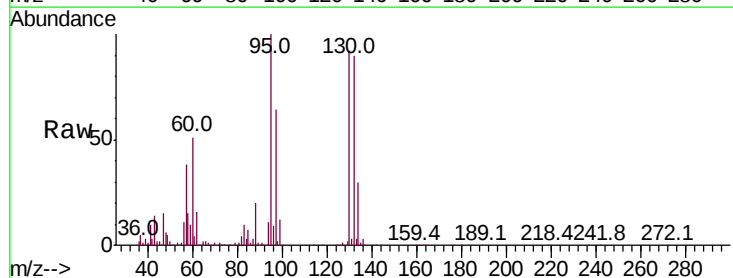
Ion Ratio Lower Upper

88 100

58 163.9 122.4 183.6

43 397.5 297.4 446.0

57 1763.0 1329.8 1994.8

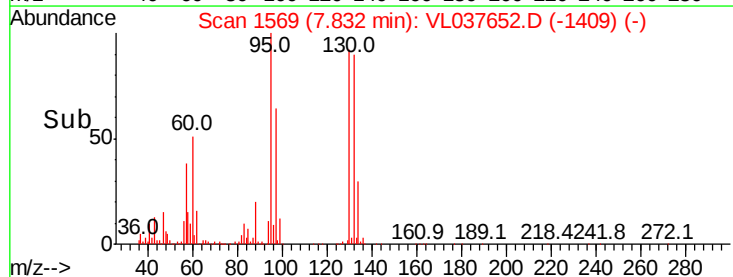
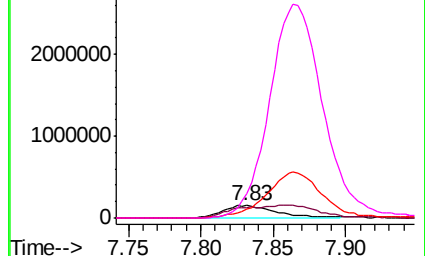


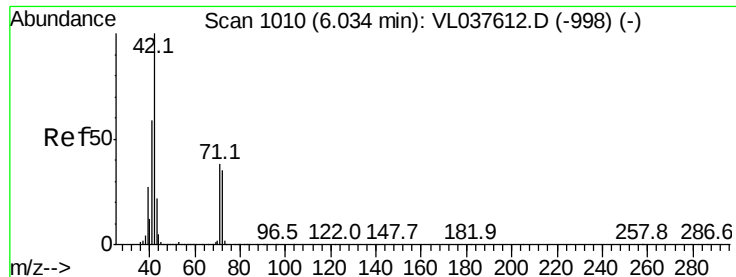
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 12.011 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :
MSVOA_L
ClientSampleId :

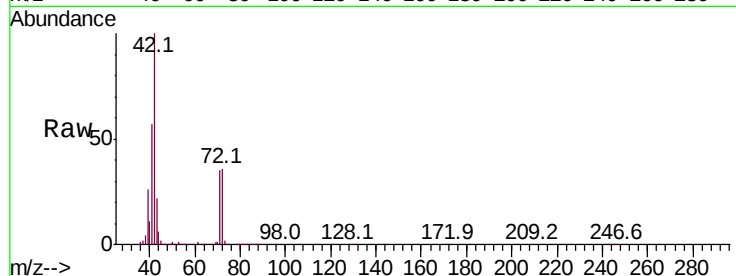
Tot Ion: 42 Resp: 999616

Ion Ratio Lower Upper

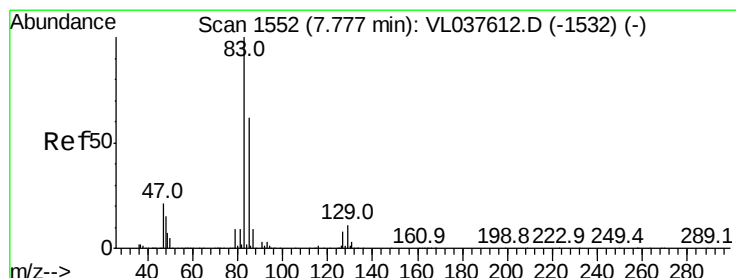
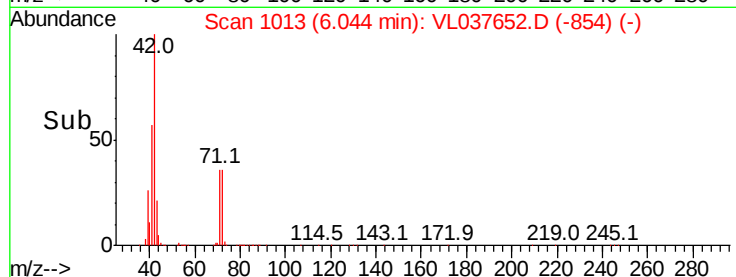
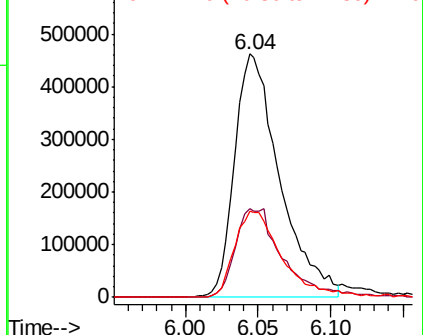
42 100

72 39.0 31.4 47.2

71 38.1 30.6 46.0



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: 11.364 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

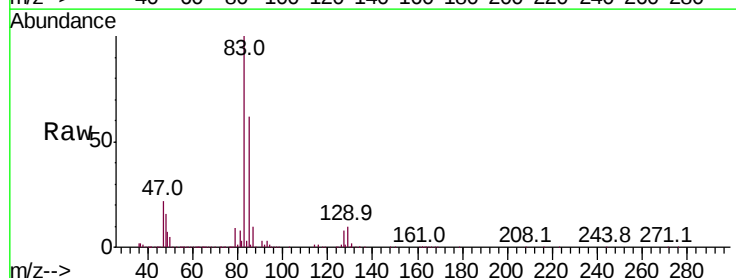
Tgt Ion: 83 Resp: 2909884

Ion Ratio Lower Upper

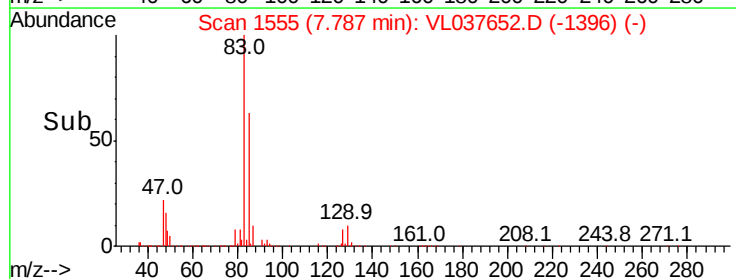
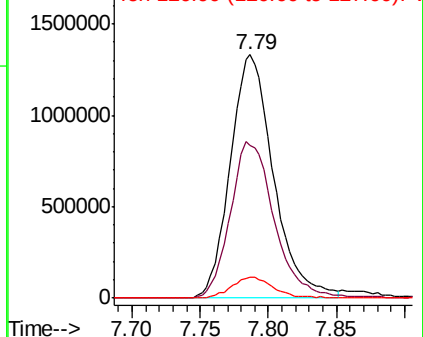
83 100

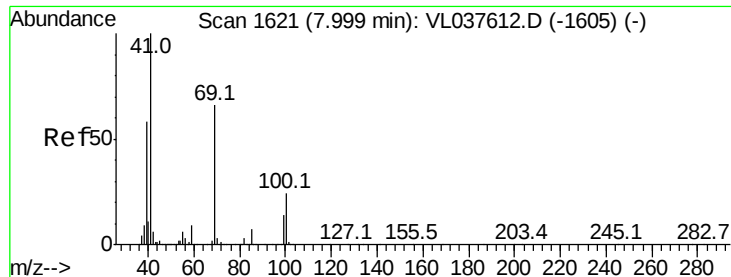
85 62.6 49.8 74.6

127 8.3 6.4 9.6



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 Methacrylate

Concen: 12.434 ppbv

RT: 8.01 min Scan# 1625

Delta R.T. 0.01 min

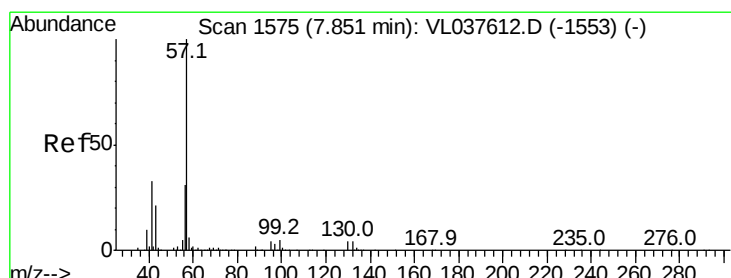
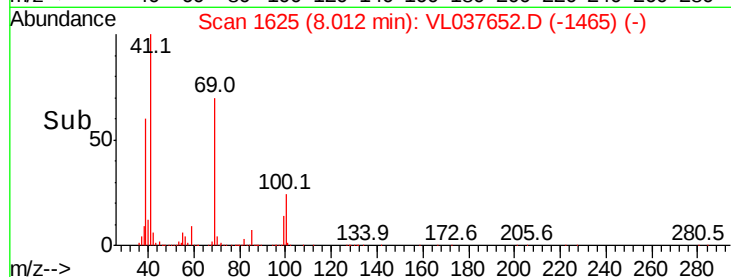
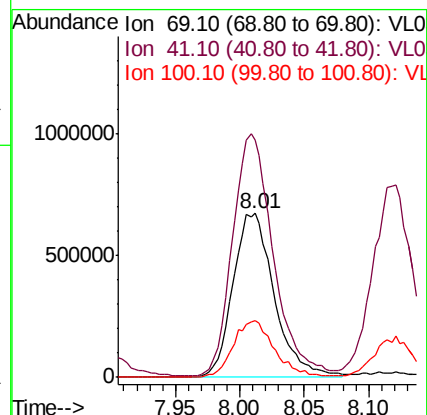
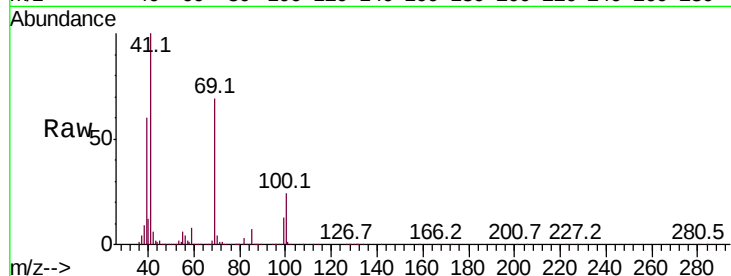
Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 69 Resp: 1502585

Ion	Ratio	Lower	Upper
69	100		
41	146.2	119.0	178.4
100	34.4	27.6	41.4



#44

2,2,4-Trimethylpentane

Concen: 11.103 ppbv

RT: 7.86 min Scan# 1579

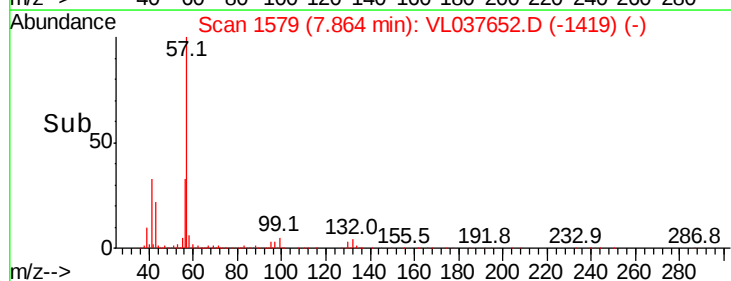
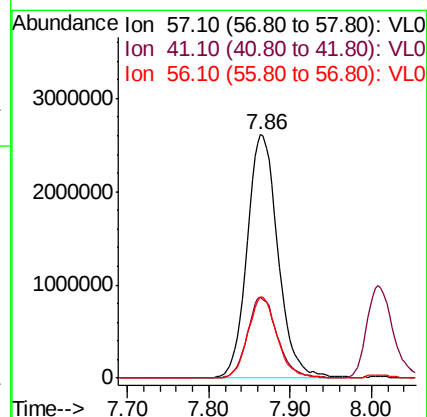
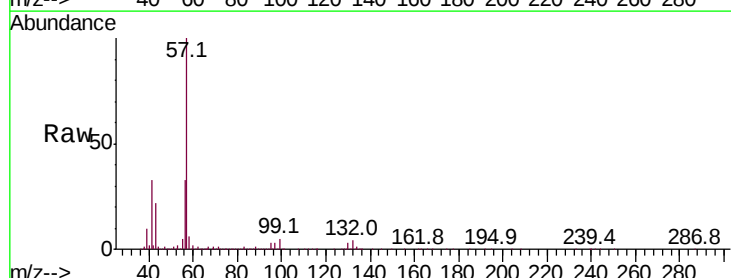
Delta R.T. 0.01 min

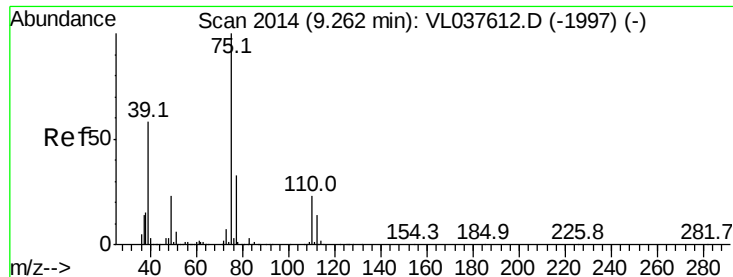
Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Tgt Ion: 57 Resp: 6780484

Ion	Ratio	Lower	Upper
57	100		
41	32.3	26.1	39.1
56	31.7	25.7	38.5

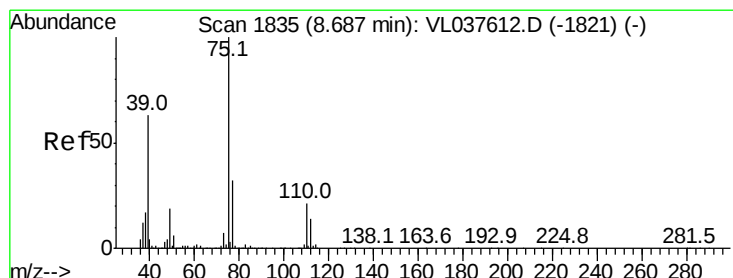
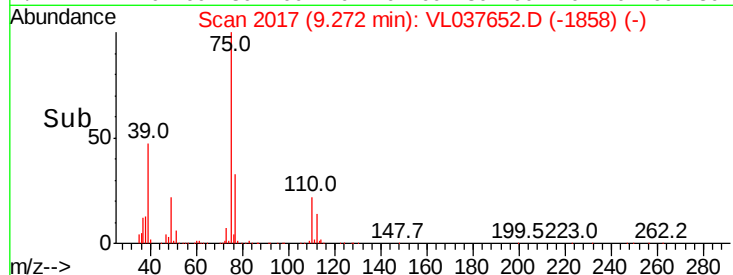
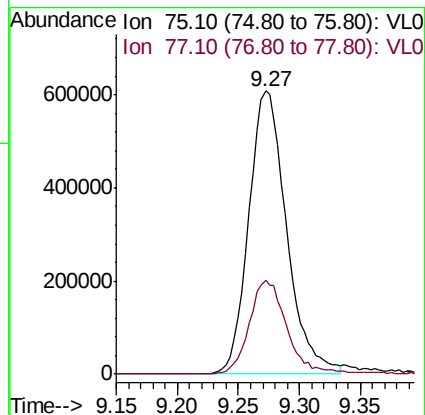
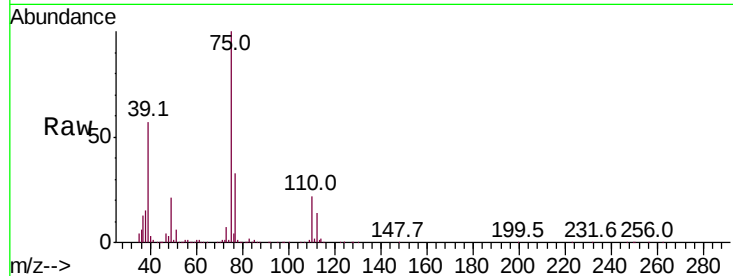




#45
 t-1,3-Dichloropropene
 Concen: 13.675 ppbv
 RT: 9.27 min Scan# 2017
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

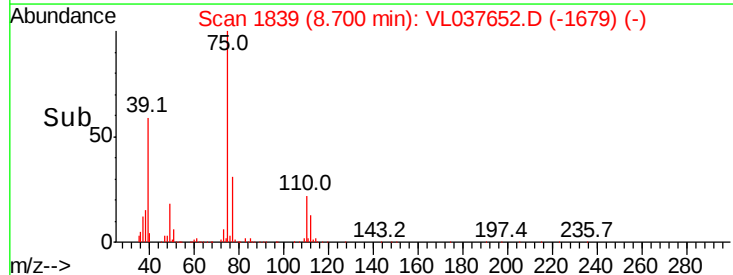
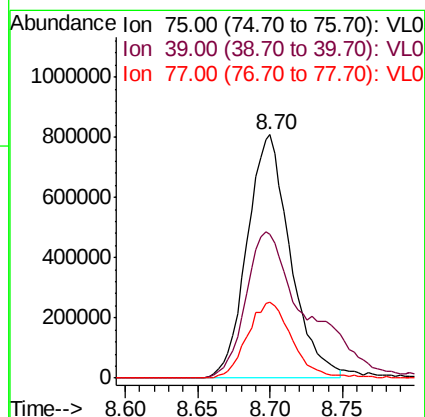
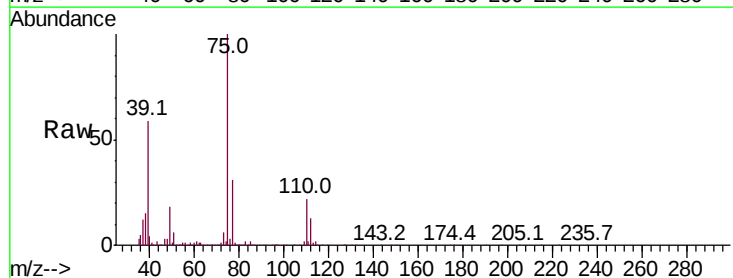
Instrument :
 MSVOA_L
 ClientSampleId :

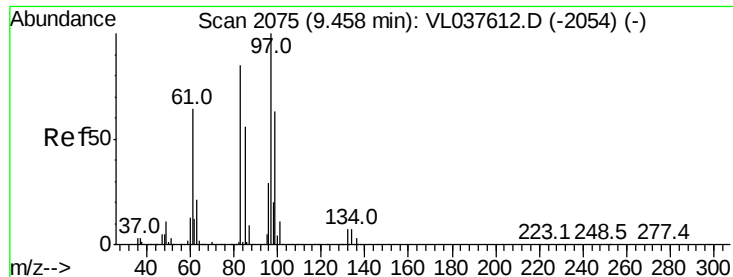
Tot Ion: 75 Resp: 1298117
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.3 39.5



#46
 cis-1,3-Dichloropropene
 Concen: 13.032 ppbv
 RT: 8.70 min Scan# 1839
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Tgt Ion: 75 Resp: 1671004
 Ion Ratio Lower Upper
 75 100
 39 59.1 50.2 75.4
 77 30.9 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 10.398 ppbv

RT: 9.47 min Scan# 2079

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 1600305

Ion Ratio Lower Upper

97 100

83 87.5 67.9 101.9

85 55.5 44.8 67.2

99 63.4 50.1 75.1

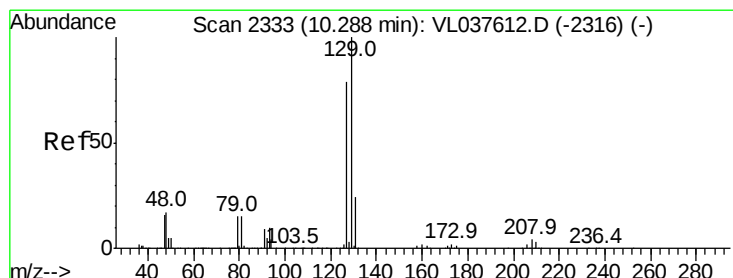
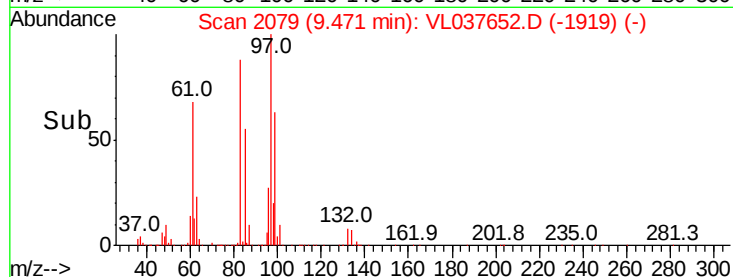
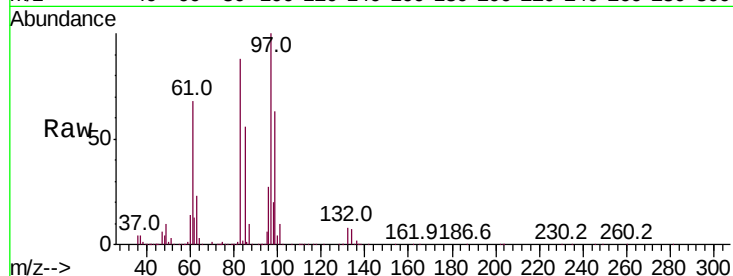
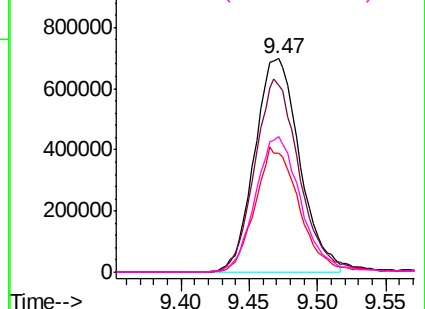
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.820 ppbv

RT: 10.30 min Scan# 2336

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Tgt Ion: 129 Resp: 2537991

Ion Ratio Lower Upper

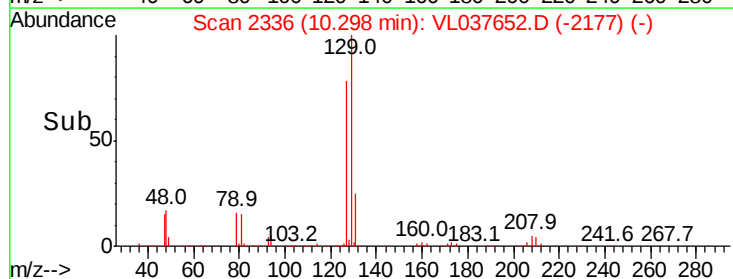
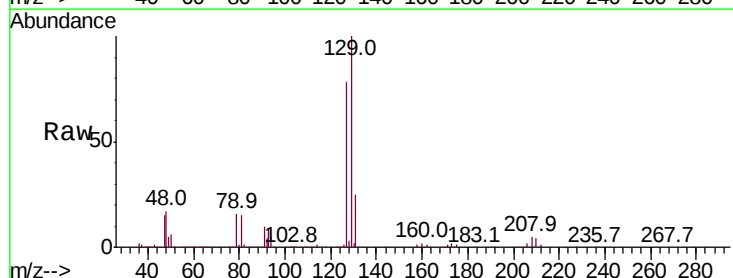
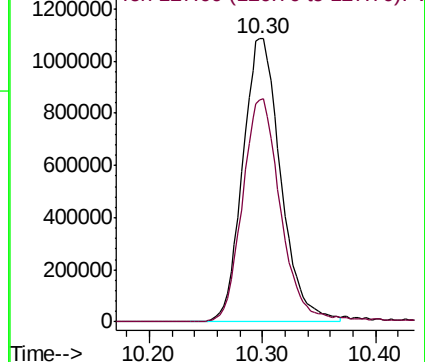
129 100

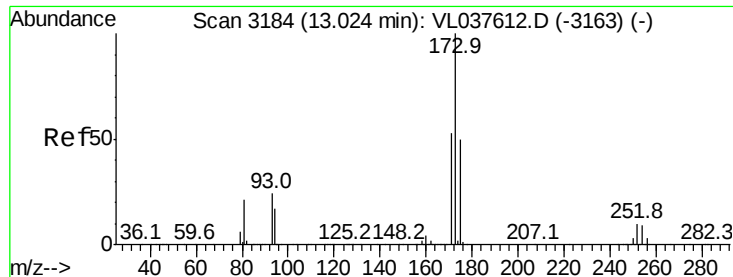
127 79.7 39.3 117.8

Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.467 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

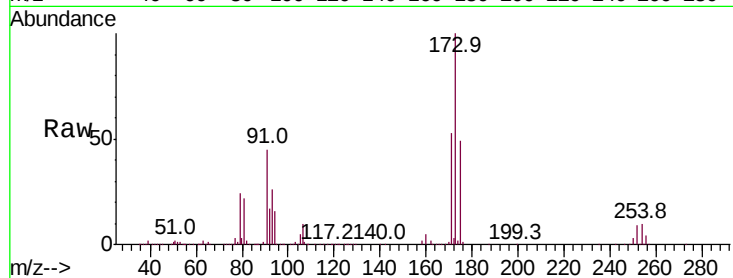
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:173 Resp: 1970517

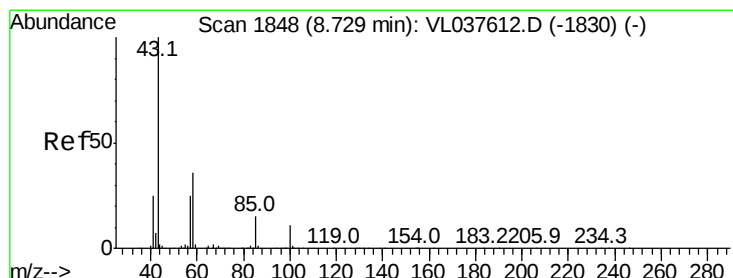
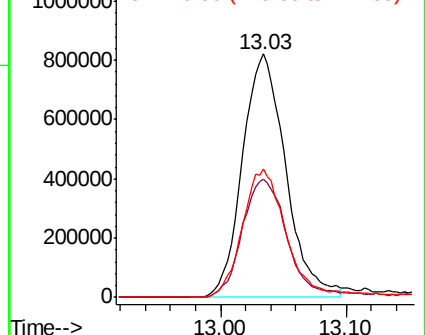
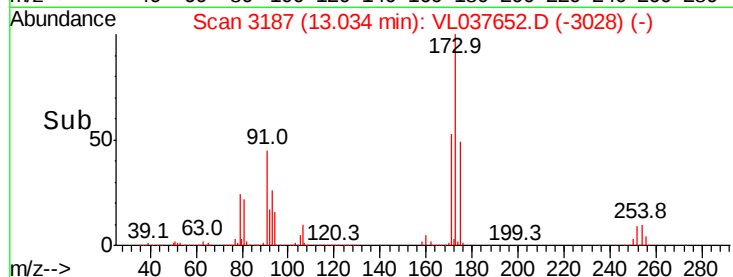
Ion	Ratio	Lower	Upper
173	100		
175	51.3	39.8	59.8
171	55.5	42.2	63.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.658 ppbv

RT: 8.74 min Scan# 1850

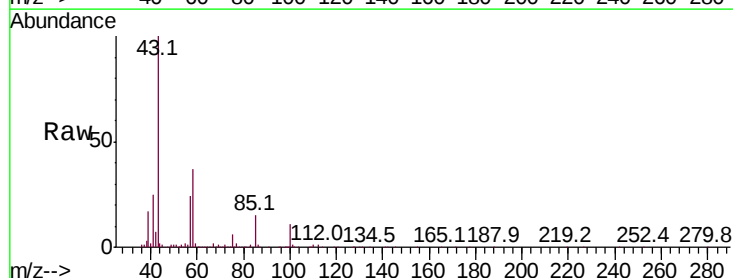
Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

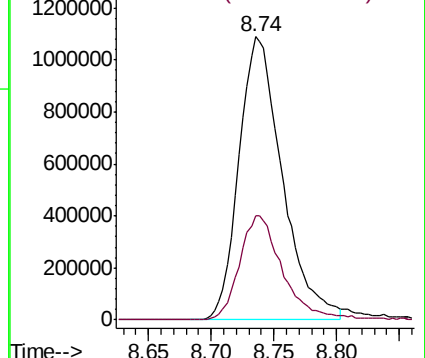
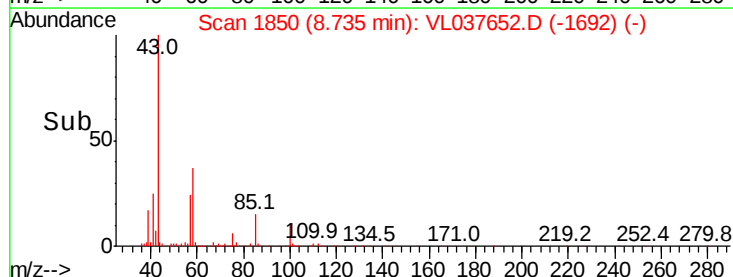
Tgt Ion: 43 Resp: 2619423

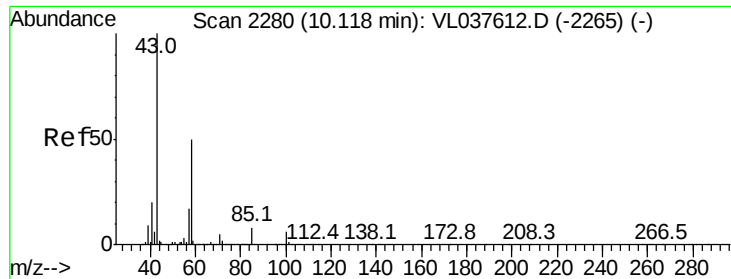
Ion	Ratio	Lower	Upper
43	100		
58	37.0	29.4	44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

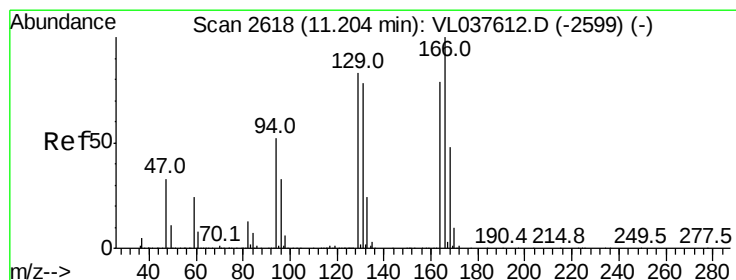
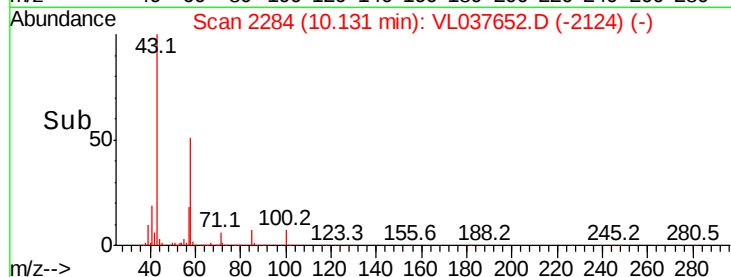
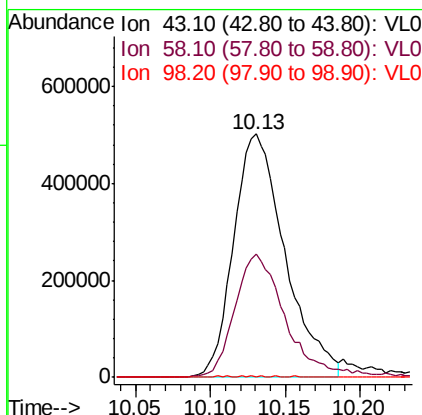
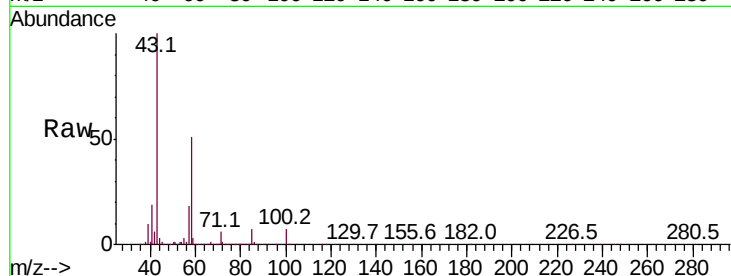




#51
2-Hexanone
Concen: 12.051 ppbv
RT: 10.13 min Scan# 2284
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

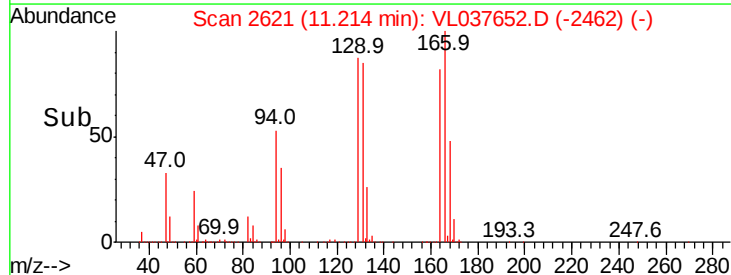
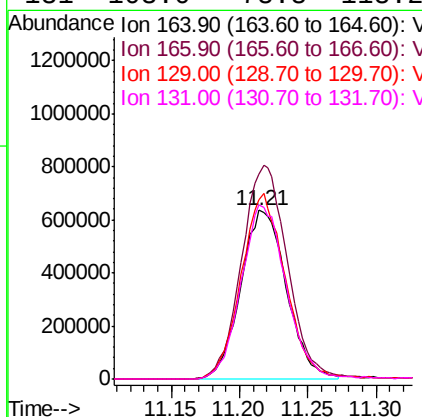
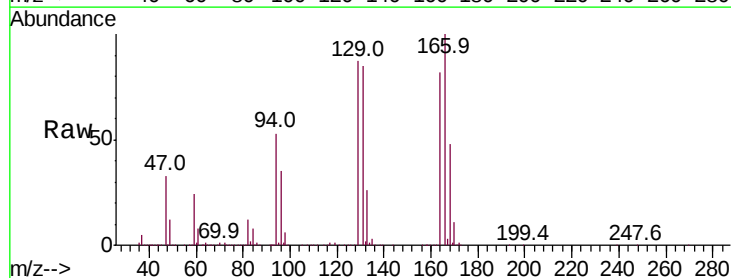
Instrument :
MSVOA_L
ClientSampleId :

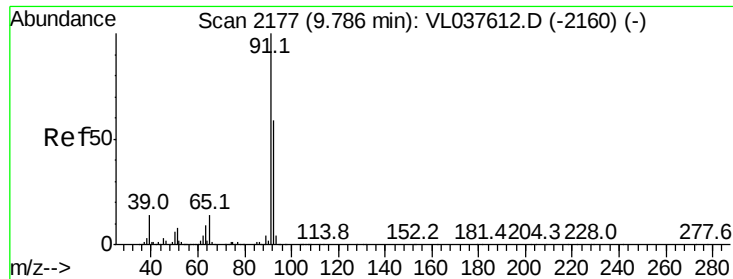
Tot Ion: 43 Resp: 1194690
Ion Ratio Lower Upper
43 100
58 51.4 39.3 58.9
98 0.4 0.4 0.6#



#52
Tetrachloroethene
Concen: 10.543 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion: 164 Resp: 1470234
Ion Ratio Lower Upper
164 100
166 121.6 101.2 151.8
129 106.2 84.0 126.0
131 103.0 78.8 118.2





#53

Toluene

Concen: 11.568 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

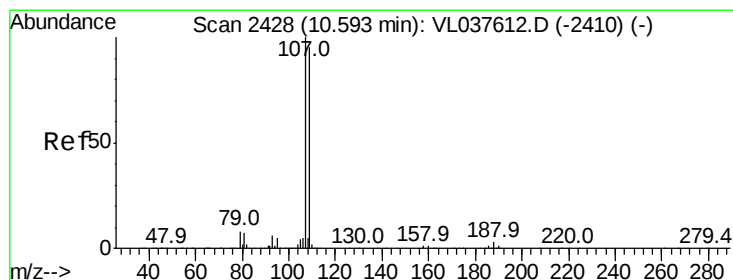
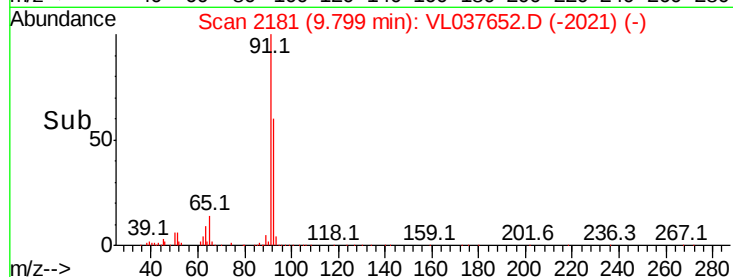
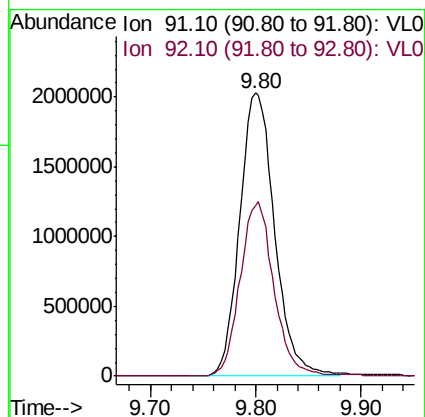
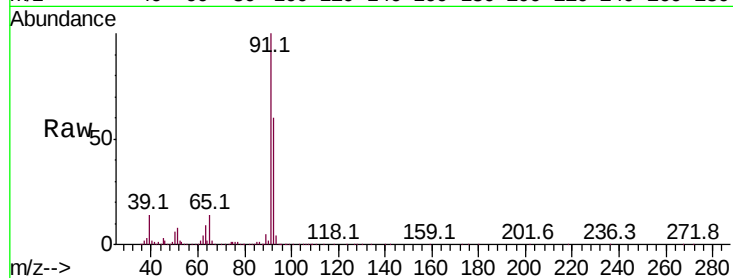
ClientSampleId :

Tot Ion: 91 Resp: 4670807

Ion Ratio Lower Upper

91 100

92 60.3 48.9 73.3



#54

1,2-Dibromoethane

Concen: 10.906 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. 0.01 min

Lab File: VL037652.D

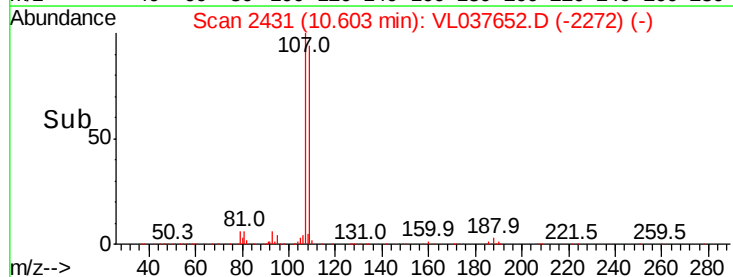
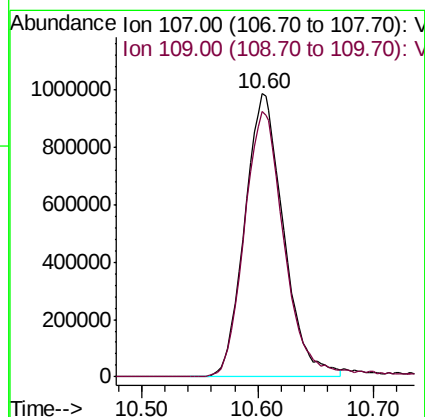
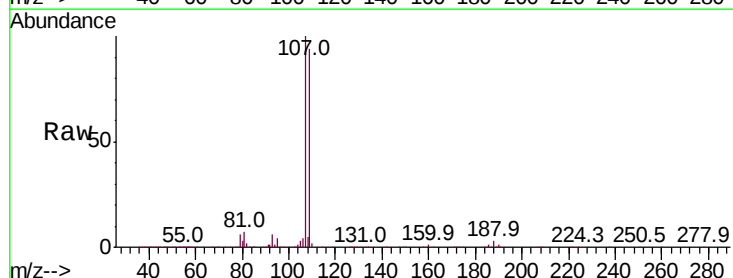
Acq: 18 Sep 2021 11:23

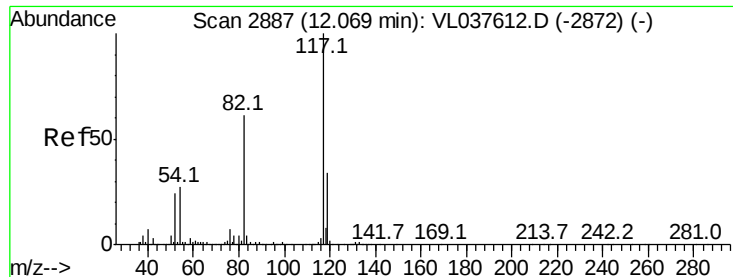
Tgt Ion: 107 Resp: 2298290

Ion Ratio Lower Upper

107 100

109 93.9 76.0 114.0

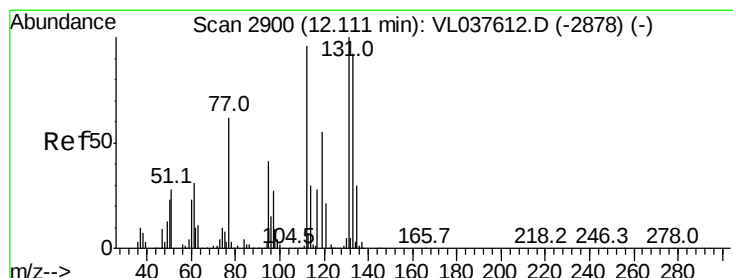
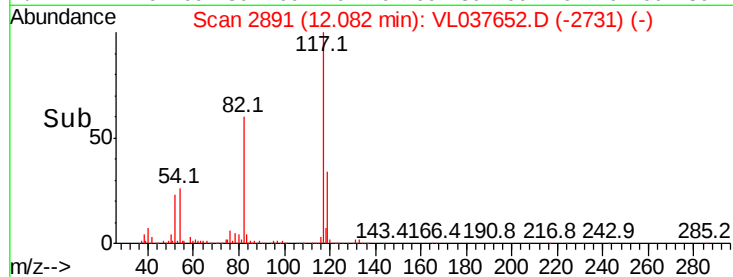
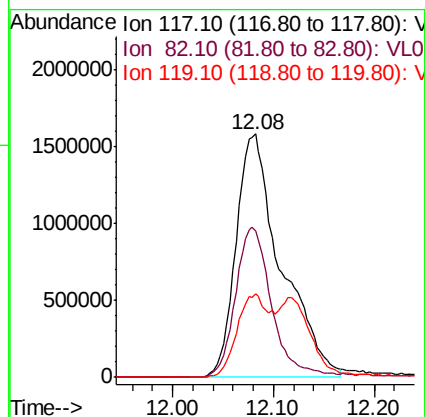
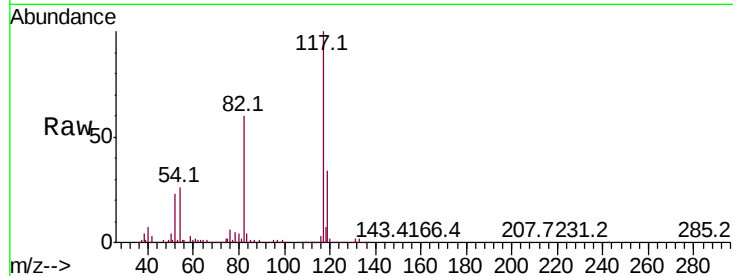




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

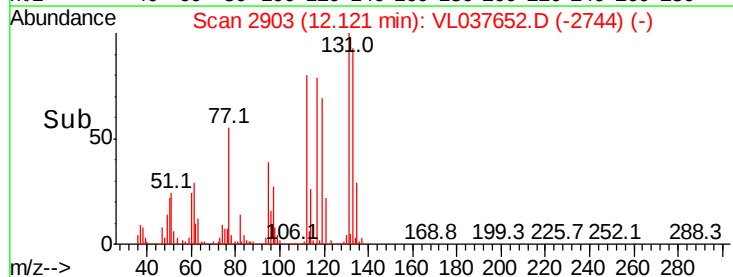
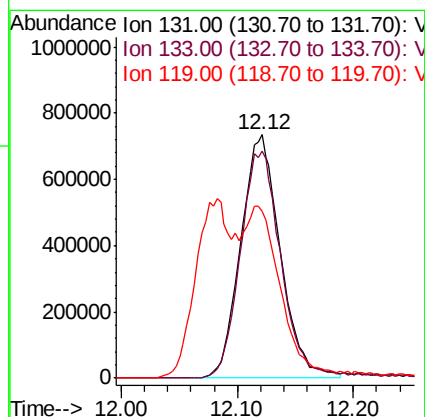
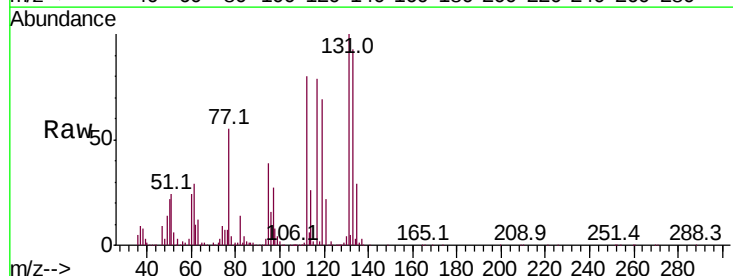
Instrument :
MSVOA_L
ClientSampleId :

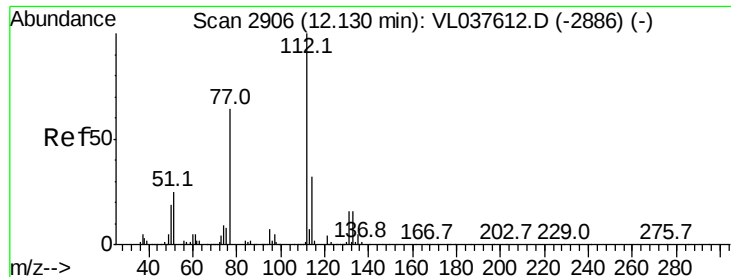
Tot Ion:117 Resp: 4910550
Ion Ratio Lower Upper
117 100
82 51.0 50.6 75.8
119 22.2 26.2 39.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.519 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion:131 Resp: 1735187
Ion Ratio Lower Upper
131 100
133 99.1 76.8 115.2
119 79.8 47.8 71.8#





#57

Chlorobenzene

Concen: 8.083 ppbv

RT: 12.14 min Scan# 2909

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

ClientSampleId :

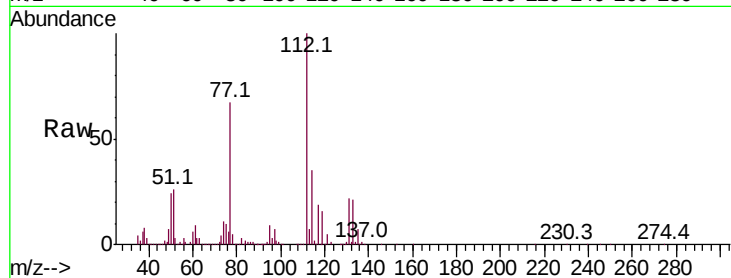
Tot Ion:112 Resp: 3299819

Ion	Ratio	Lower	Upper
112	100		
77	65.7	52.1	78.1
114	34.6	29.2	35.6

112 100

77 65.7 52.1 78.1

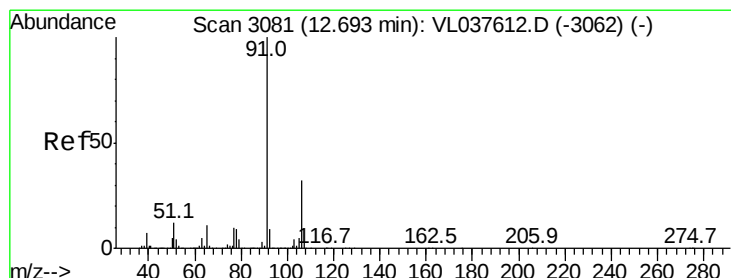
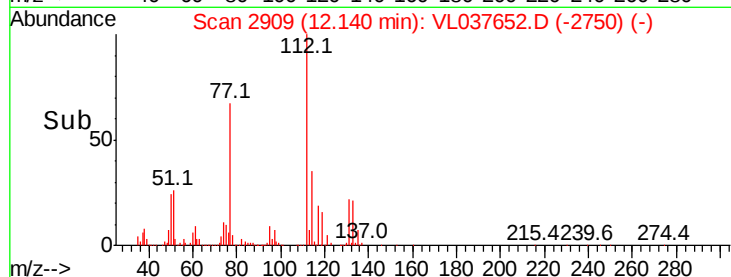
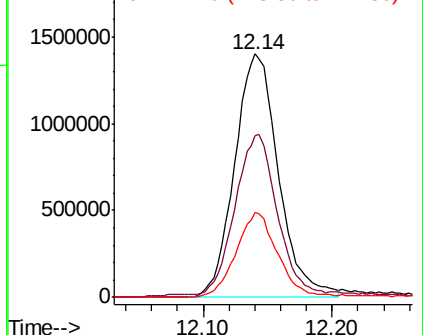
114 34.6 29.2 35.6



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: 8.869 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. 0.01 min

Lab File: VL037652.D

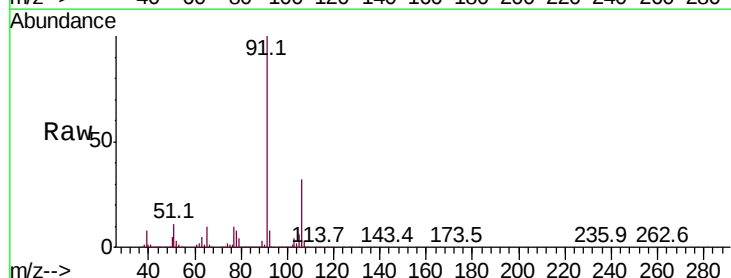
Acq: 18 Sep 2021 11:23

Tgt Ion: 91 Resp: 5780989

Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.3	37.9

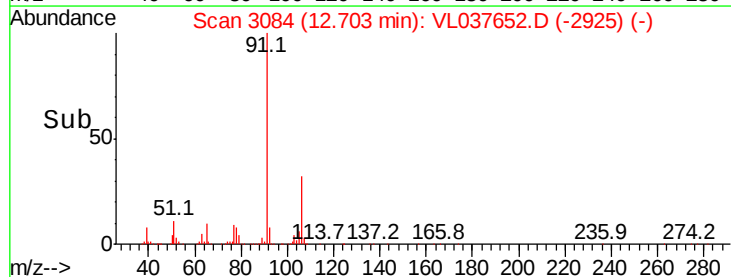
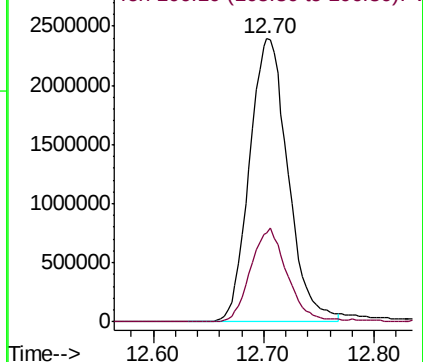
91 100

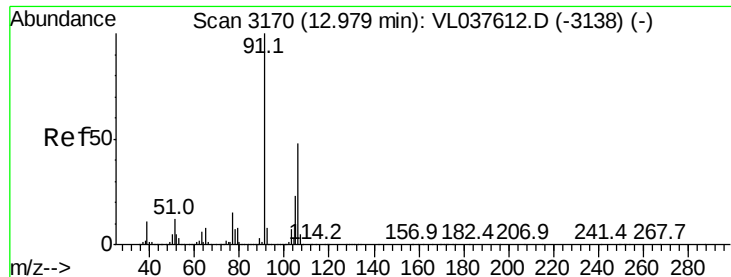
106 31.6 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

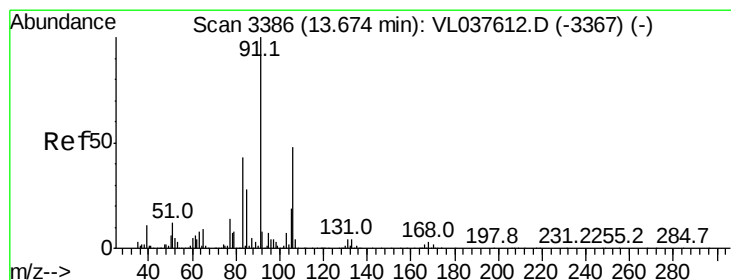
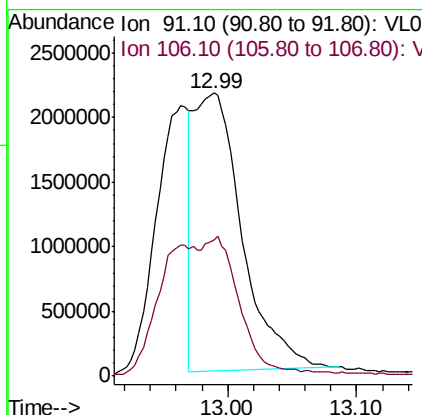
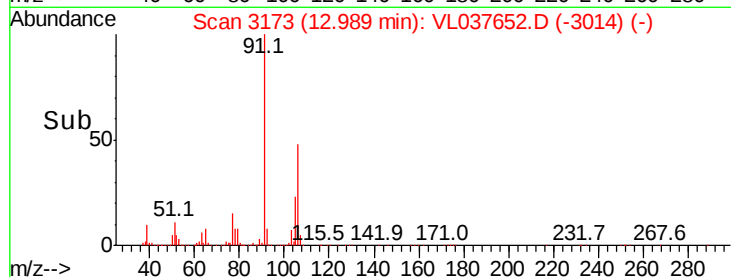
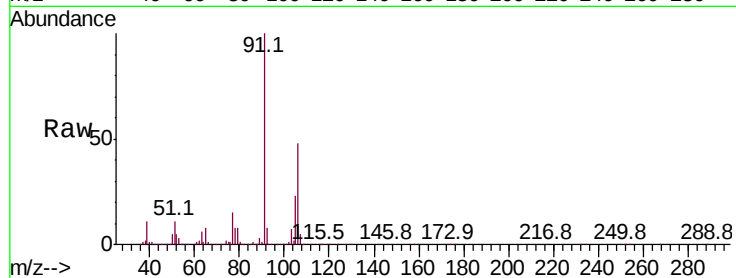




#59
m/p-Xylene
Concen: 9.847 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

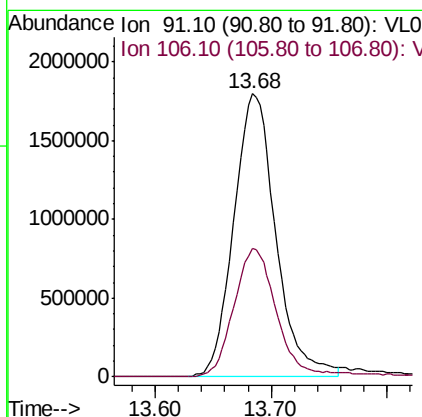
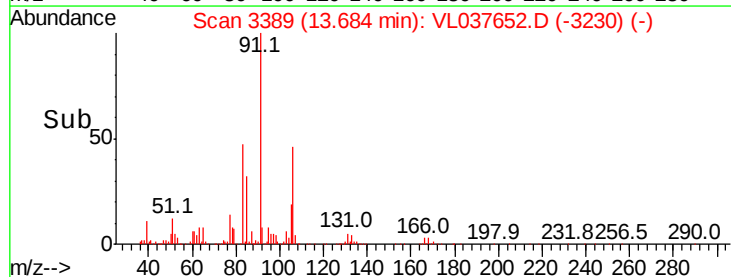
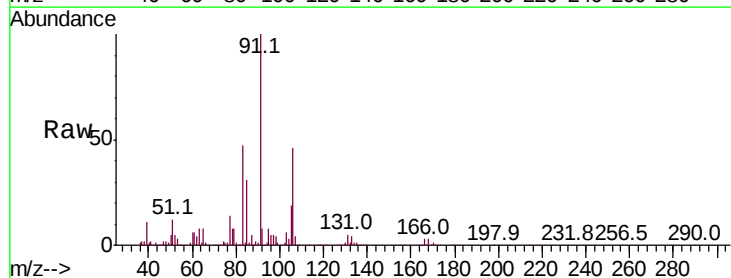
Instrument :
MSVOA_L
ClientSampled :

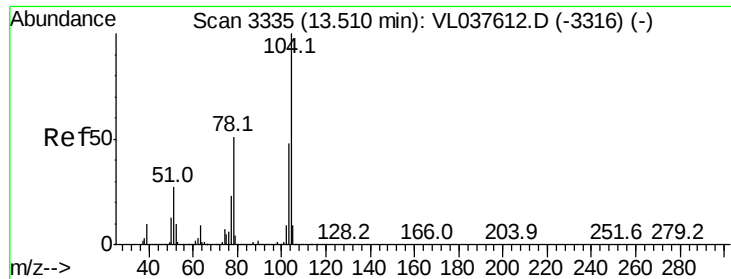
Tot Ion: 91 Resp: 5593530
Ion Ratio Lower Upper
91 100
106 80.7 36.6 55.0#



#60
o-Xylene
Concen: 8.359 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion: 91 Resp: 4519514
Ion Ratio Lower Upper
91 100
106 47.6 23.0 69.0





#61

Stvrene

Concen: 9.396 ppbv

RT: 13.52 min Scan# 3338

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

ClientSampleId :

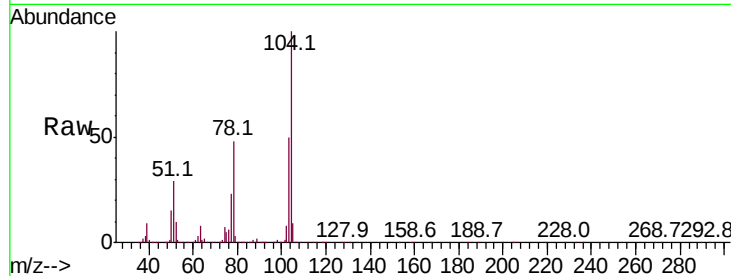
Tot Ion:104 Resp: 2505001

Ion Ratio Lower Upper

104 100

78 51.1 39.7 59.5

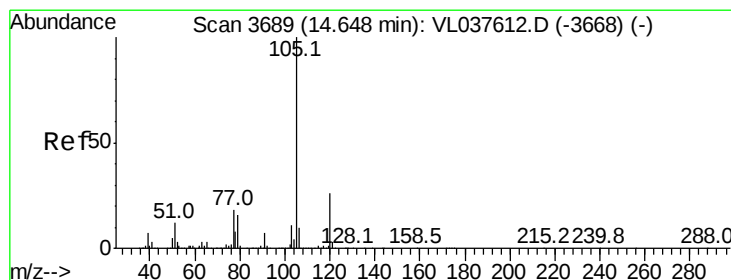
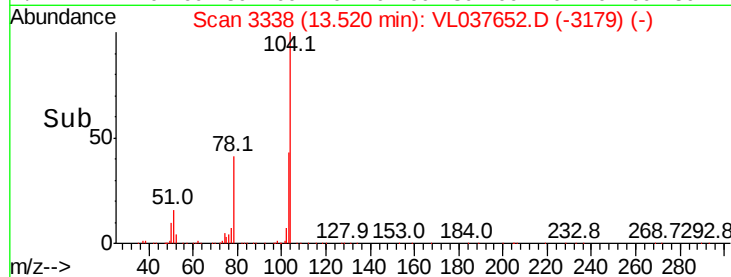
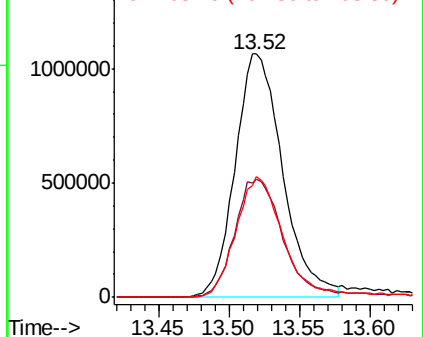
103 50.0 38.8 58.2



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: 8.189 ppbv

RT: 14.66 min Scan# 3693

Delta R.T. 0.01 min

Lab File: VL037652.D

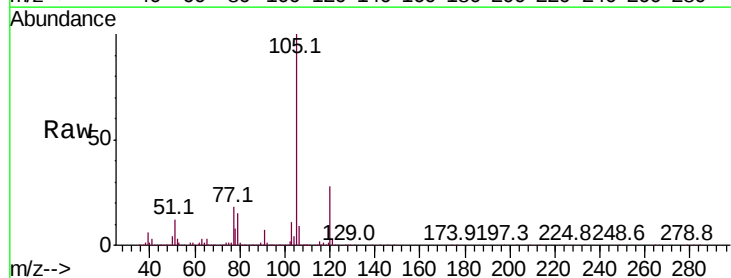
Acq: 18 Sep 2021 11:23

Tgt Ion:105 Resp: 6185606

Ion Ratio Lower Upper

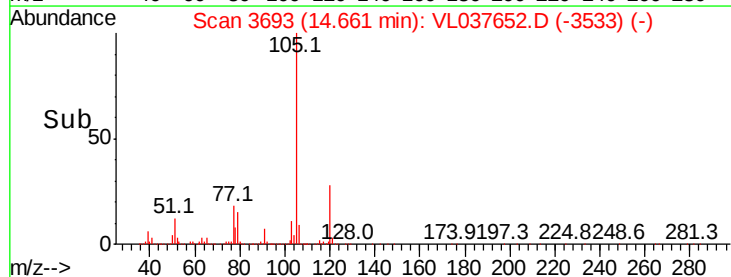
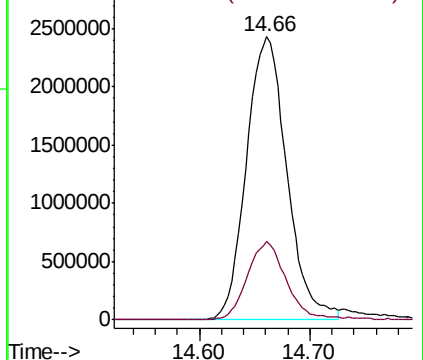
105 100

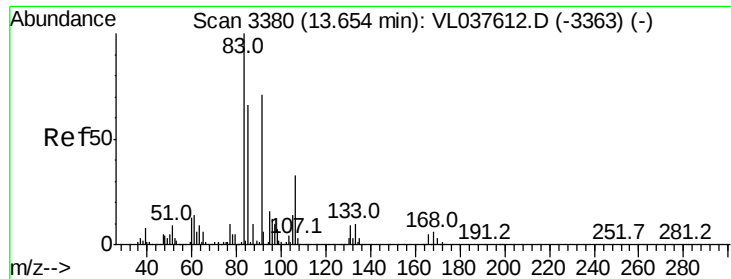
120 27.2 21.4 32.0



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: 7.486 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

ClientSampleId :

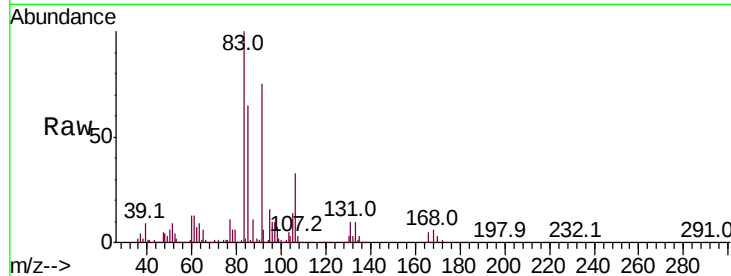
Tot Ion: 83 Resp: 3167764

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.3
85	66.5	33.3	99.9

83 100

131 10.1 5.1 15.3

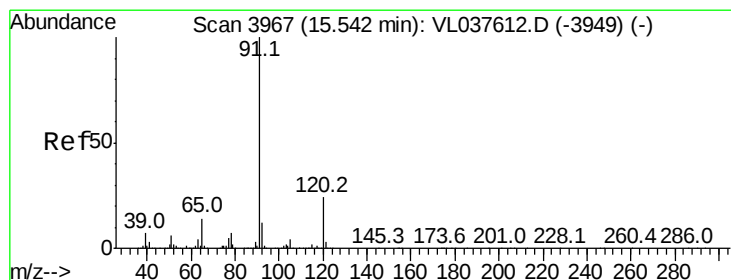
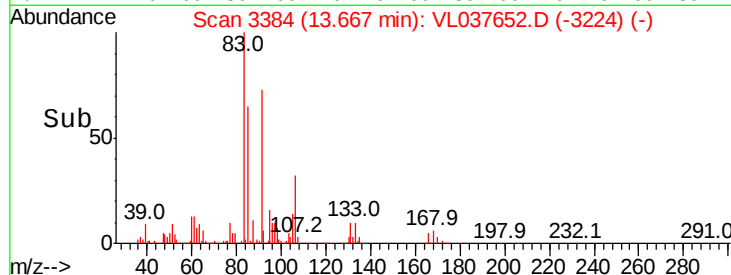
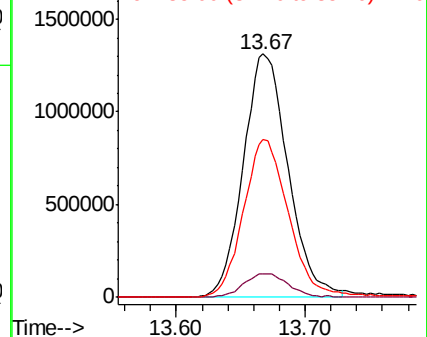
85 66.5 33.3 99.9



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: 8.489 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. 0.01 min

Lab File: VL037652.D

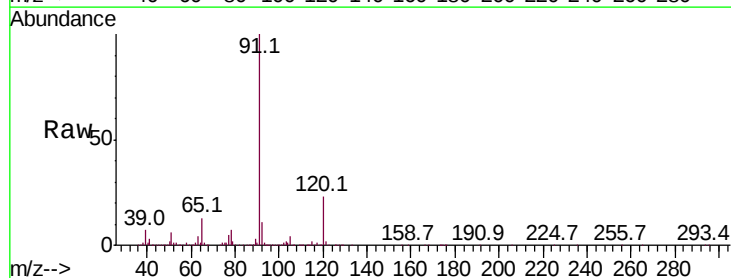
Acq: 18 Sep 2021 11:23

Tgt Ion:120 Resp: 1654516

Ion	Ratio	Lower	Upper
120	100		
91	464.3	345.0	517.4

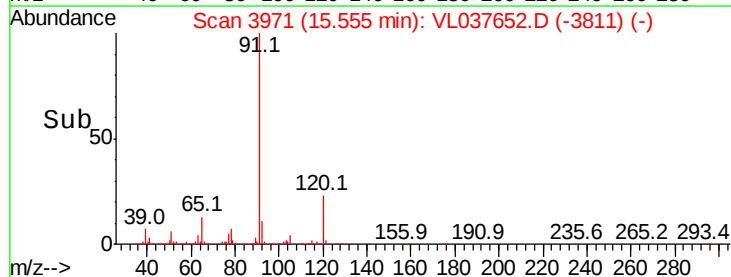
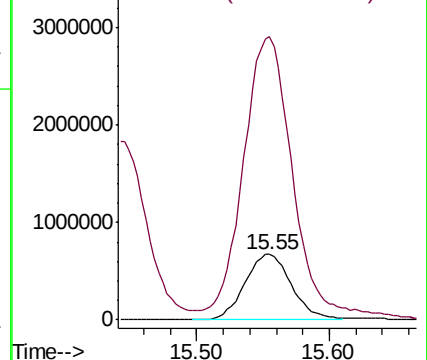
120 100

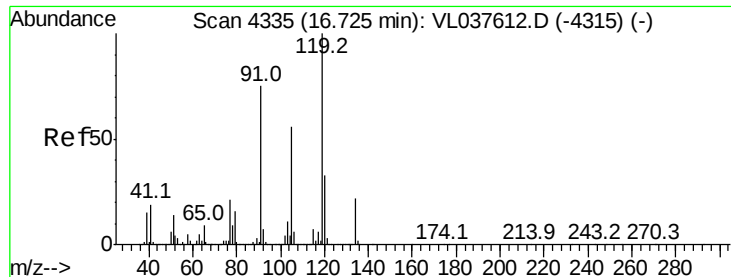
91 464.3 345.0 517.4



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

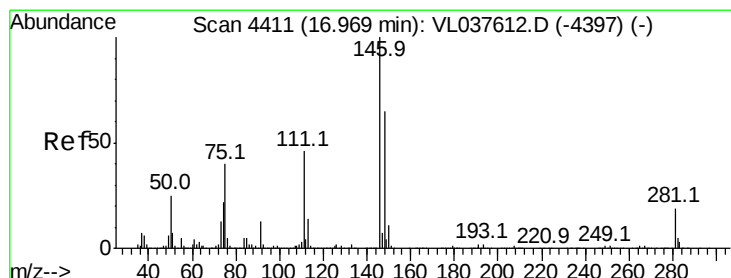
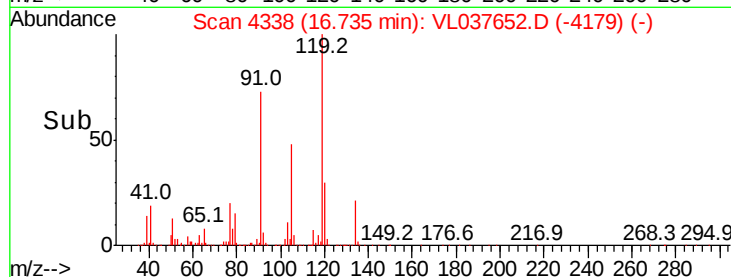
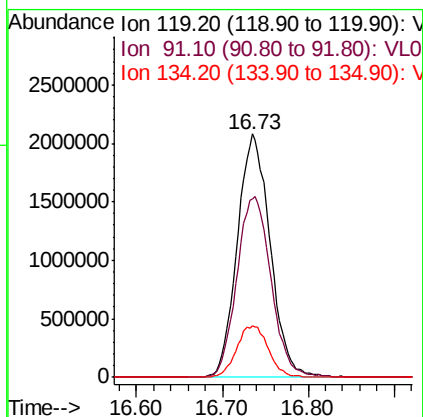
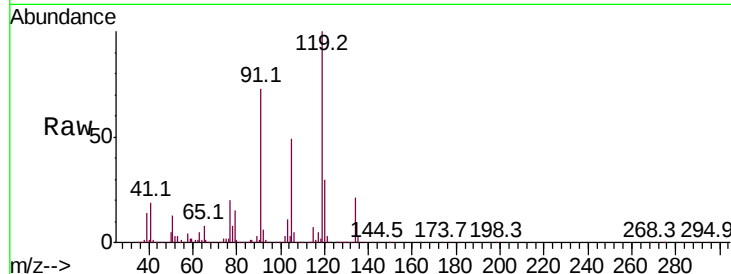




#65
tert-Butylbenzene
Concen: 8.107 ppbv
RT: 16.73 min Scan# 4338
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

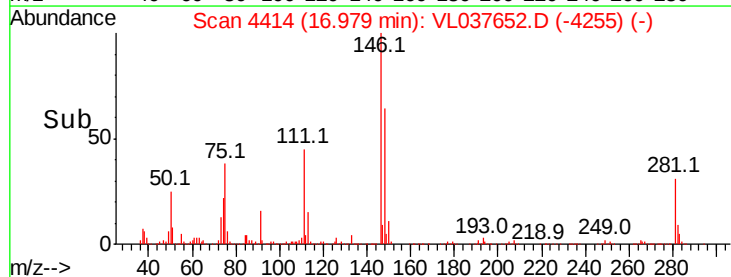
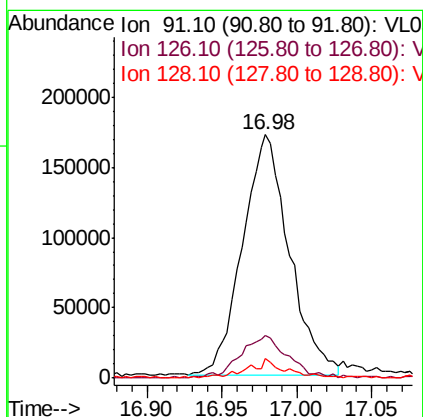
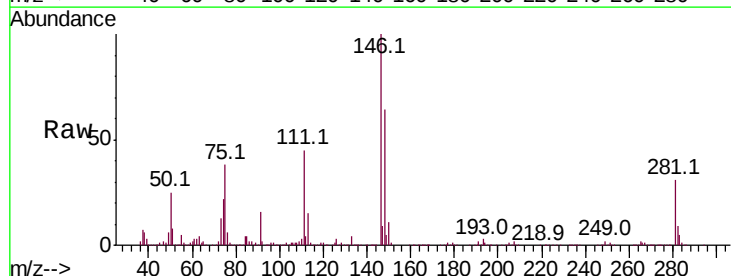
Instrument :
MSVOA_L
ClientSampled :

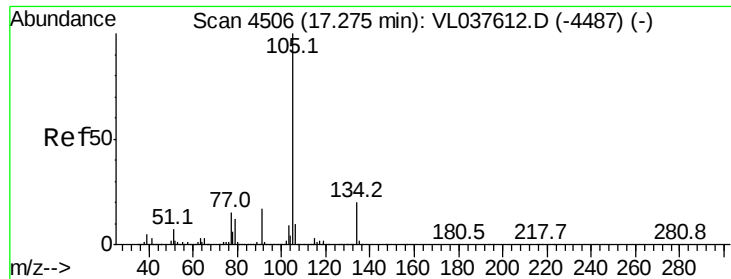
Tot Ion:119 Resp: 5520647
Ion Ratio Lower Upper
119 100
91 77.3 61.9 92.9
134 20.5 16.5 24.7



#66
Benzyl Chloride
Concen: 9.915 ppbv
RT: 16.98 min Scan# 4414
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion: 91 Resp: 368977
Ion Ratio Lower Upper
91 100
126 18.9 14.4 21.6
128 6.9 5.7 8.5





#67

sec-Butylbenzene

Concen: 8.260 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

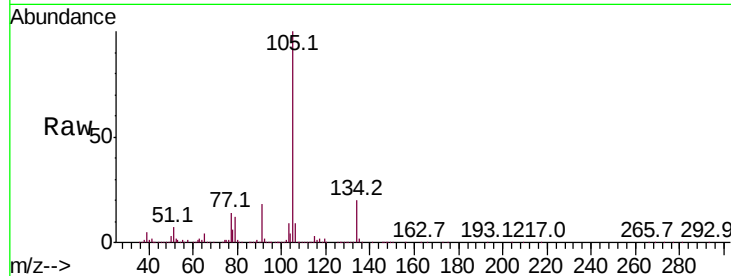
ClientSampleId :

Tot Ion:105 Resp: 7632145

Ion Ratio Lower Upper

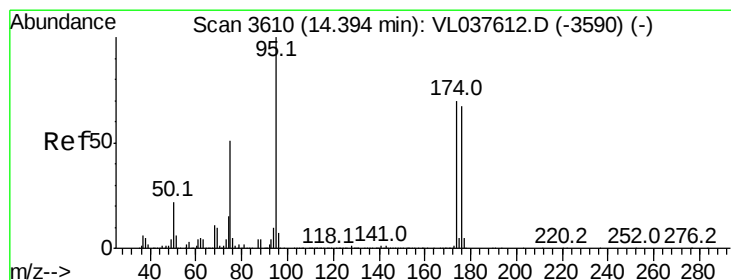
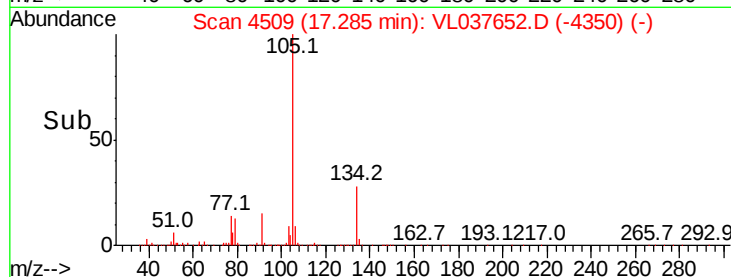
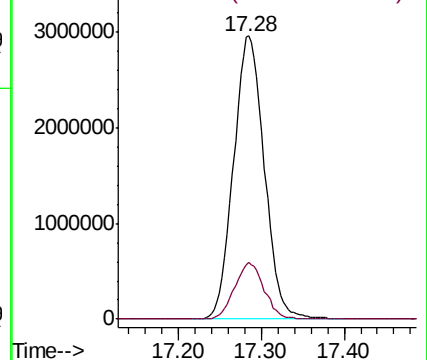
105 100

134 19.2 15.7 23.5



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: 7.896 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

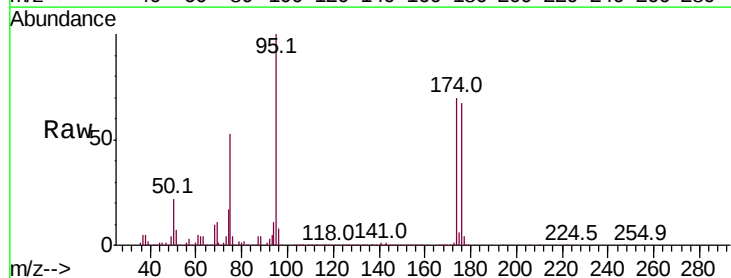
Tgt Ion: 95 Resp: 2802214

Ion Ratio Lower Upper

95 100

174 74.4 56.3 84.5

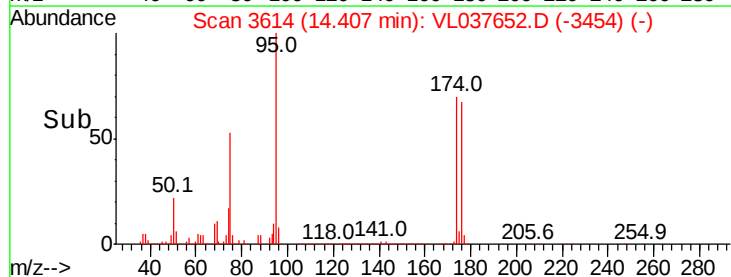
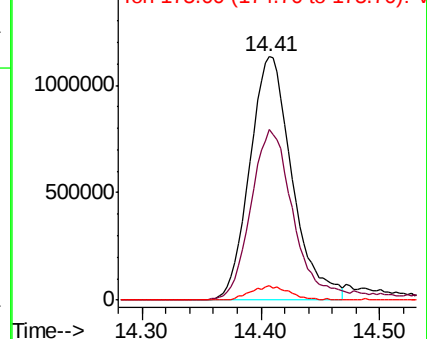
175 5.4 4.4 6.6

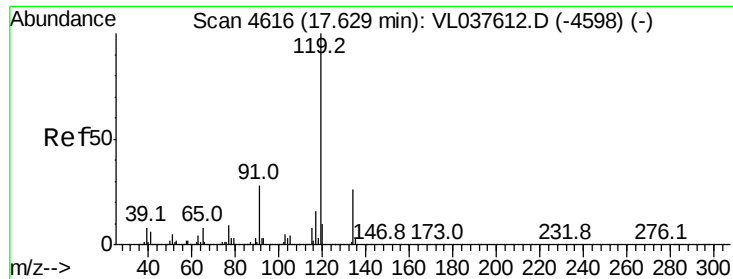


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



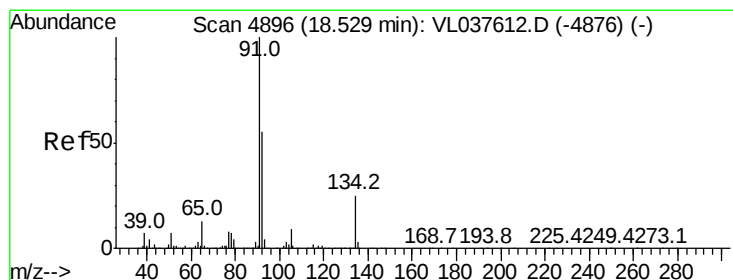
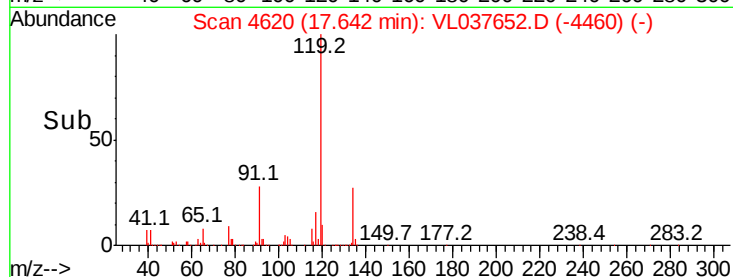
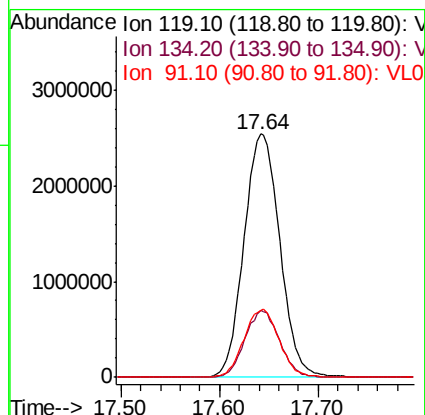
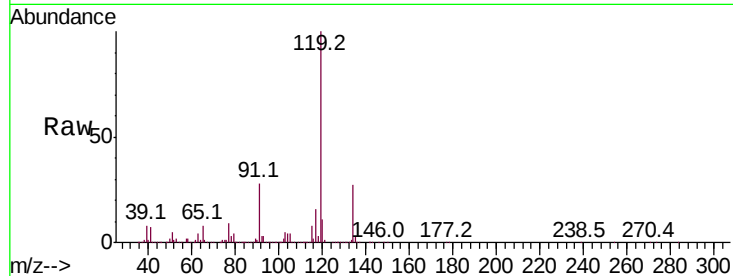


#69
 p-Isopropyltoluene
 Concen: 8.459 ppbv
 RT: 17.64 min Scan# 4620
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 6385380

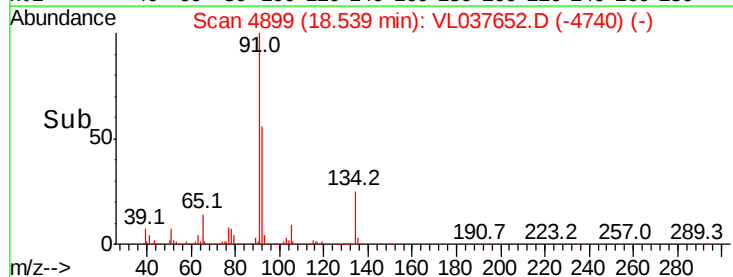
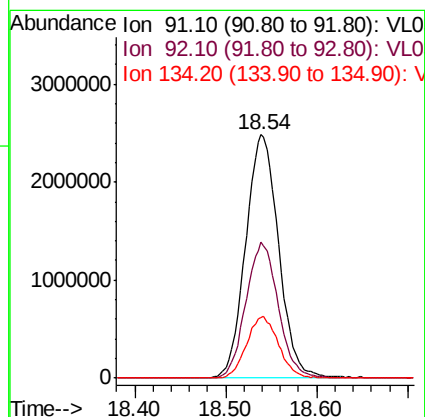
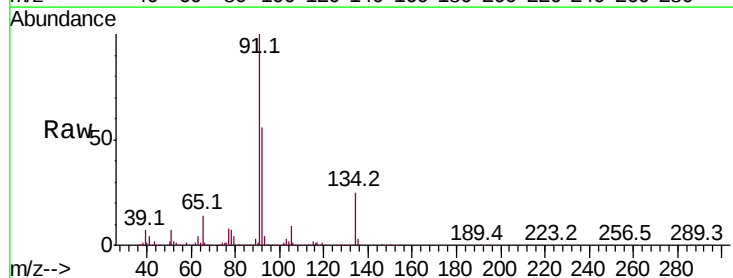
Ion	Ratio	Lower	Upper
119	100		
134	26.6	21.2	31.8
91	27.6	22.2	33.2

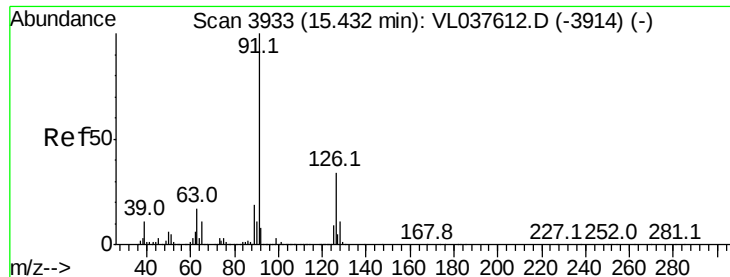


#70
 n-Butylbenzene
 Concen: 8.740 ppbv
 RT: 18.54 min Scan# 4899
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Tgt Ion: 91 Resp: 6242029

Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.0	66.0
134	24.6	19.5	29.3





#71

2-Chlorotoluene

Concen: 8.402 ppbv

RT: 15.45 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

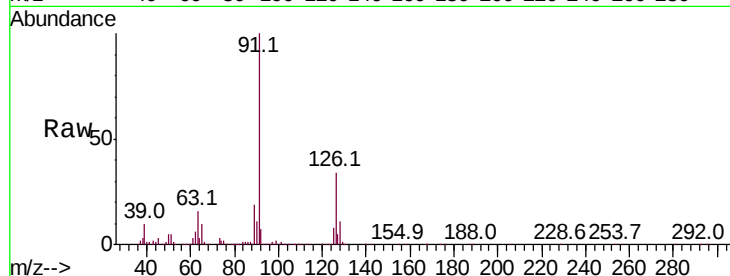
ClientSampleId :

Tot Ion: 91 Resp: 4547836

Ion Ratio Lower Upper

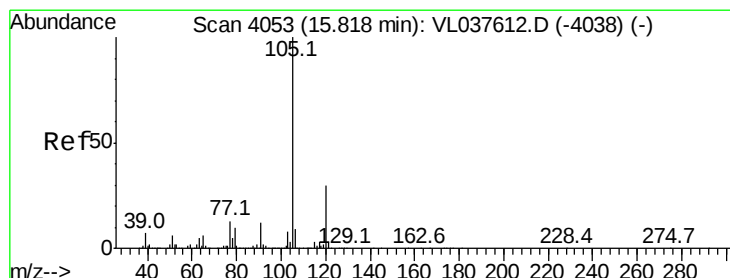
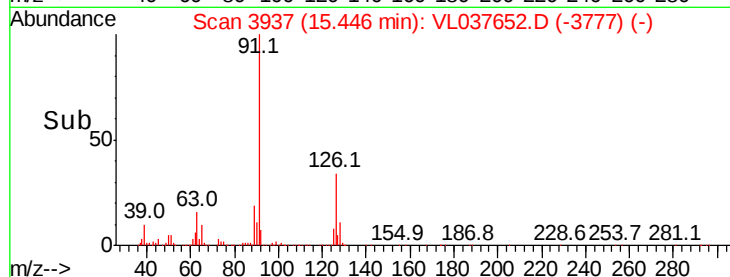
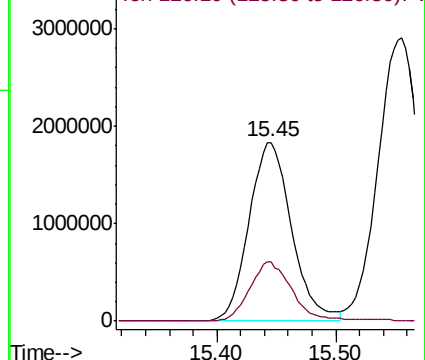
91 100

126 33.9 13.2 52.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.444 ppbv

RT: 15.83 min Scan# 4057

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Tgt Ion:105 Resp: 5240687

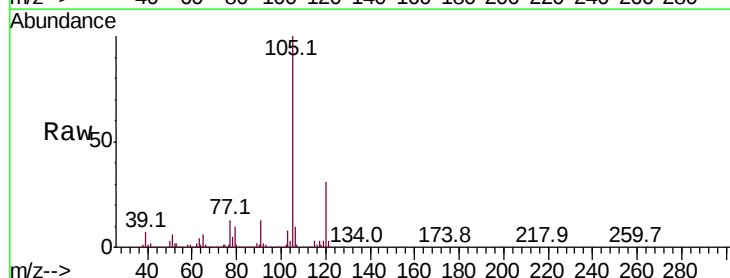
Ion Ratio Lower Upper

105 100

120 31.7 24.7 37.1

91 12.5 9.9 14.9

77 13.6 10.5 15.7

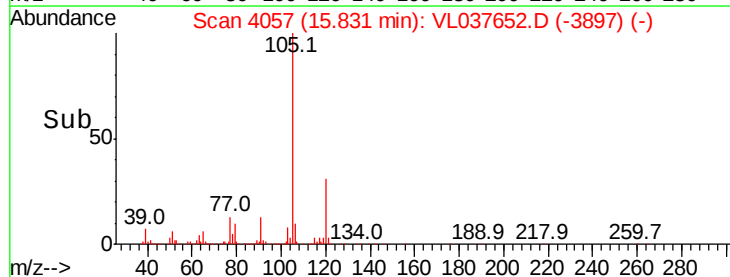
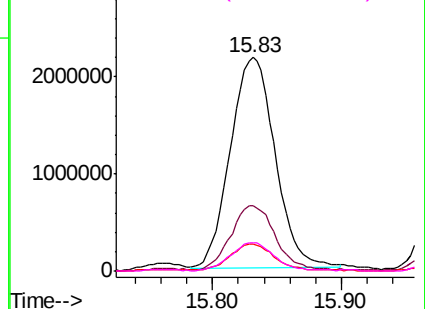


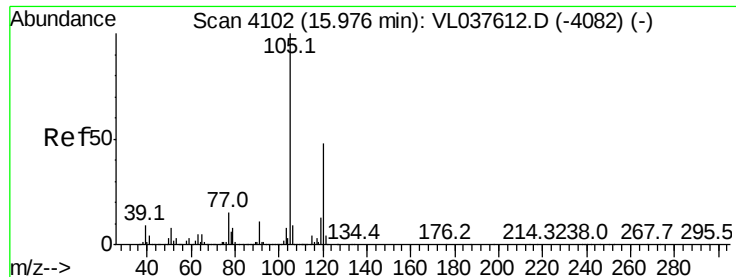
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

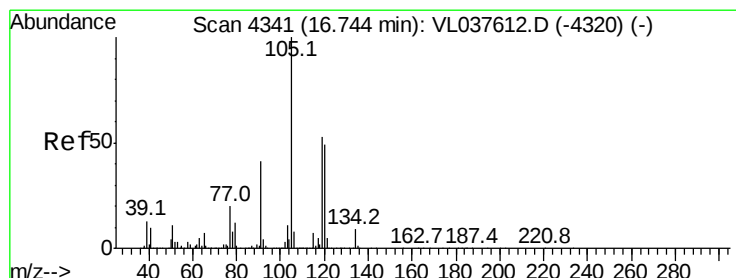
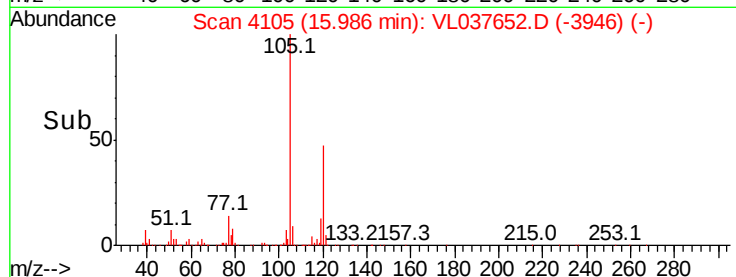
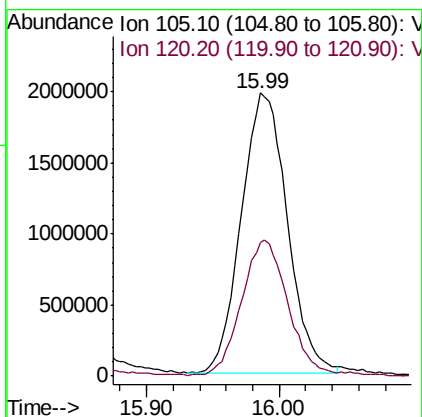
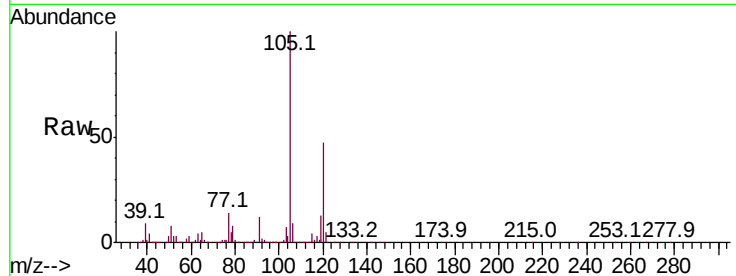




#73
 1,3,5-Trimethylbenzene
 Concen: 8.270 ppbv
 RT: 15.99 min Scan# 4105
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

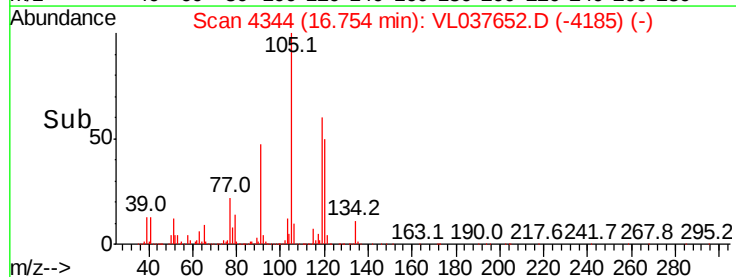
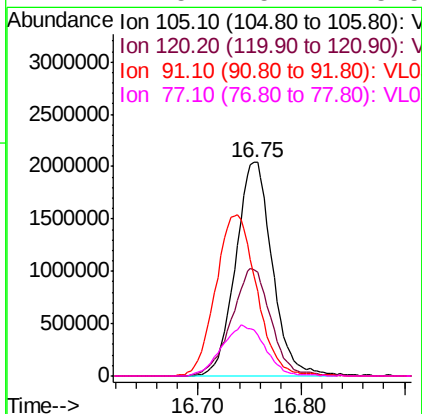
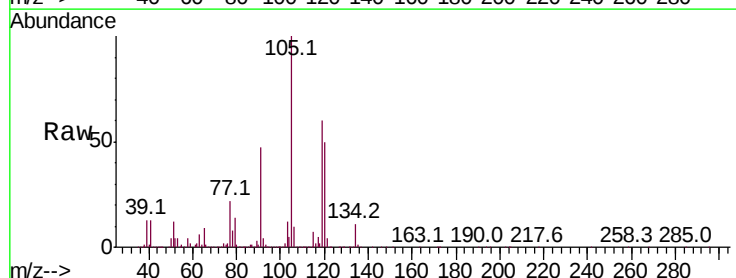
Instrument :
 MSVOA_L
 ClientSampleId :

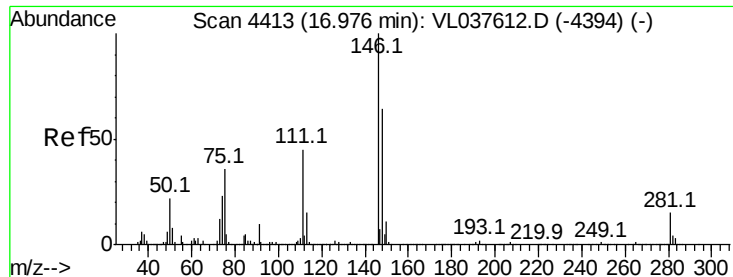
Tot Ion:105 Resp: 4784131
 Ion Ratio Lower Upper
 105 100
 120 47.3 38.3 57.5



#74
 1,2,4-Trimethylbenzene
 Concen: 8.242 ppbv
 RT: 16.75 min Scan# 4344
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Tgt Ion:105 Resp: 5022306
 Ion Ratio Lower Upper
 105 100
 120 49.6 39.4 59.0
 91 46.4 33.3 49.9
 77 21.5 15.7 23.5

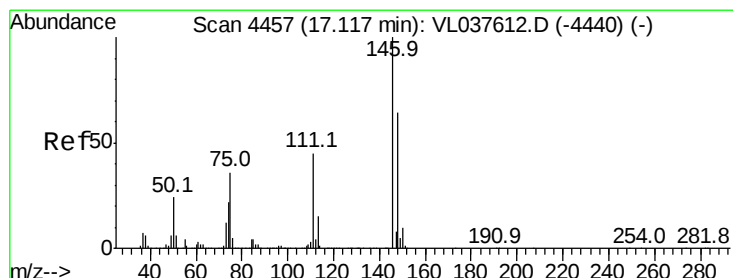
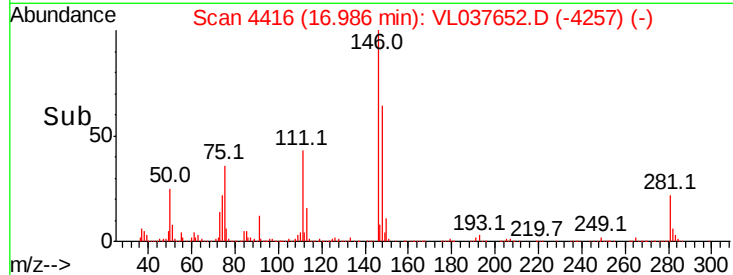
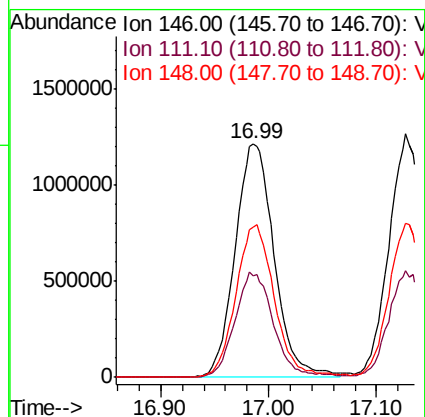
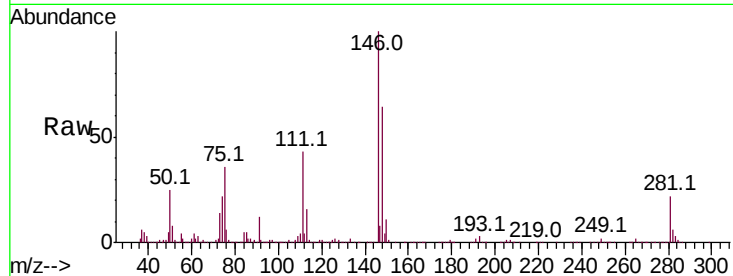




#75
 1,3-Dichlorobenzene
 Concen: 8.074 ppbv
 RT: 16.99 min Scan# 4416
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

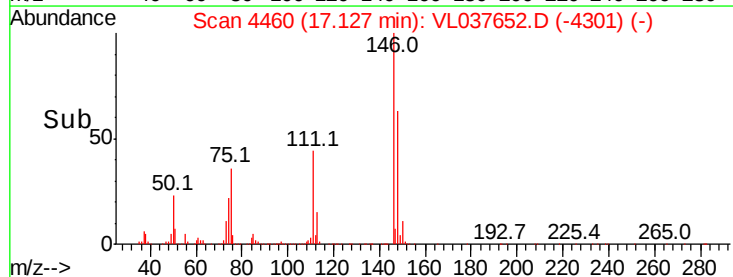
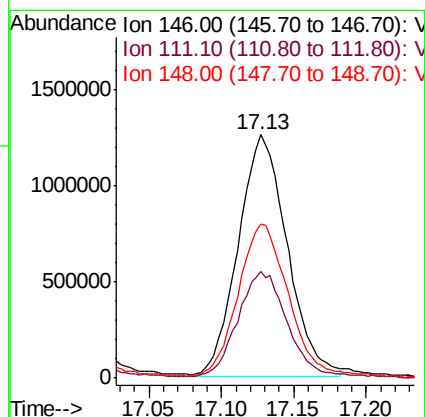
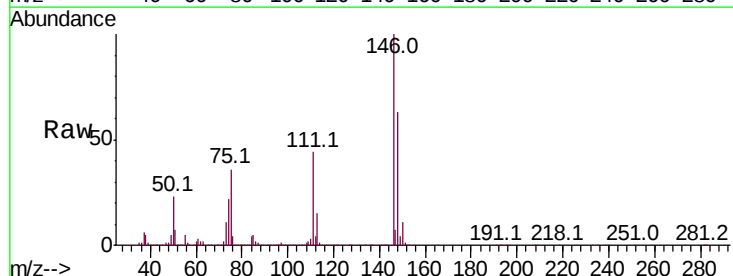
Instrument :
 MSVOA_L
 ClientSampleId :

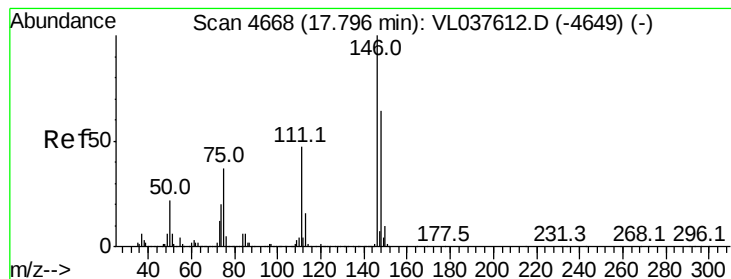
Tot Ion:146 Resp: 3056792
 Ion Ratio Lower Upper
 146 100
 111 44.4 22.8 68.3
 148 64.7 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 7.913 ppbv
 RT: 17.13 min Scan# 4460
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Tgt Ion:146 Resp: 2954572
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.5 67.5
 148 66.5 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 8.062 ppbv

RT: 17.81 min Scan# 4671

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

ClientSampled :

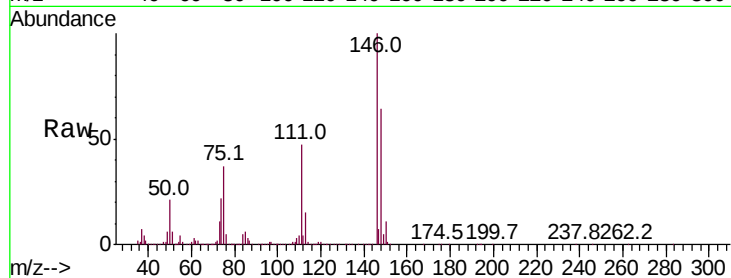
Tot Ion:146 Resp: 2894991

Ion Ratio Lower Upper

146 100

111 47.8 24.0 72.0

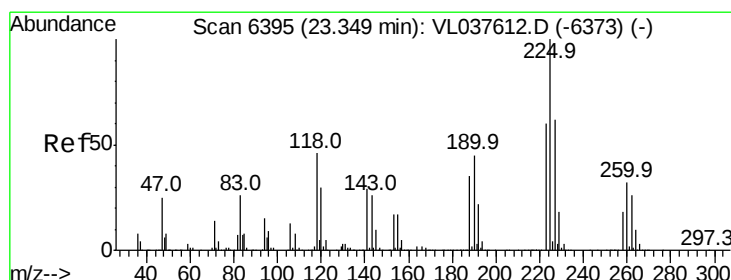
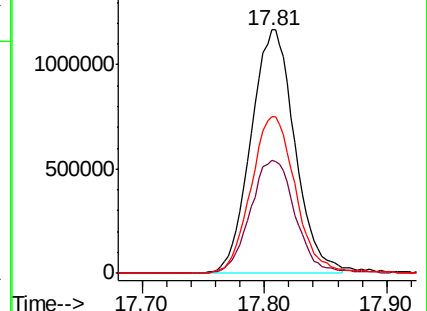
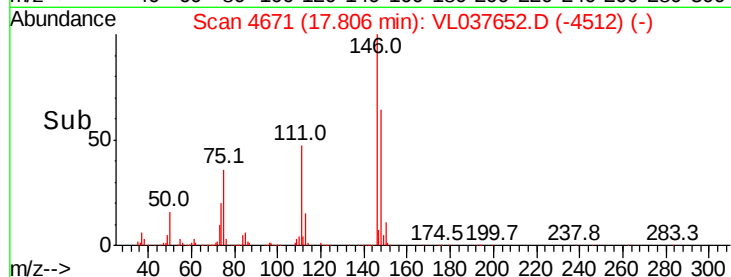
148 65.7 32.8 98.3



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: 7.838 ppbv

RT: 23.36 min Scan# 6399

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

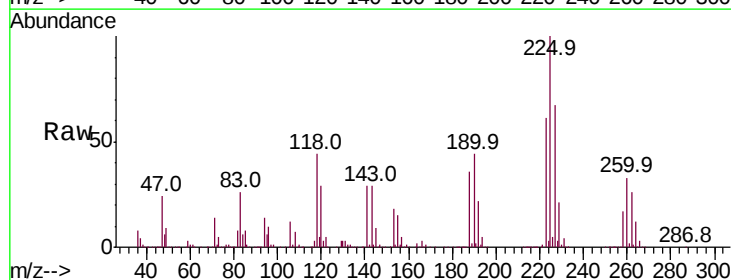
Tgt Ion:225 Resp: 2368788

Ion Ratio Lower Upper

225 100

223 64.5 51.1 76.7

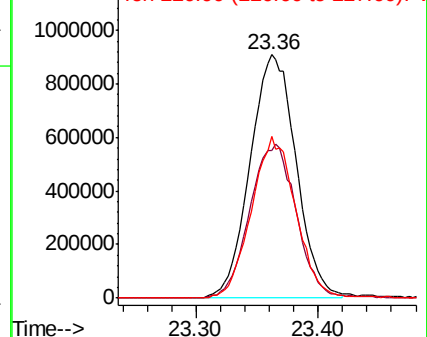
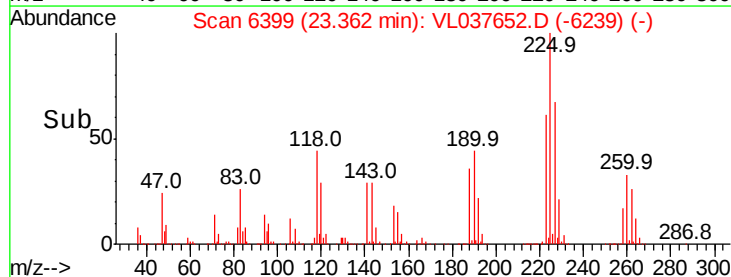
227 64.1 52.2 78.4

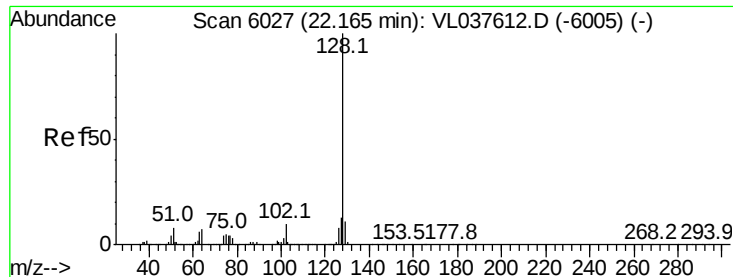


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 11.320 ppbv

RT: 22.18 min Scan# 6032

Delta R.T. 0.02 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

ClientSampleId :

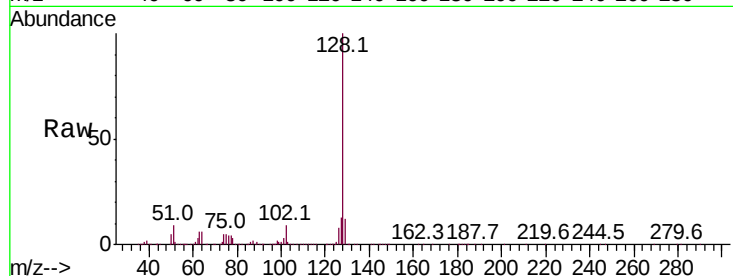
Tot Ion:128 Resp: 4235288

Ion Ratio Lower Upper

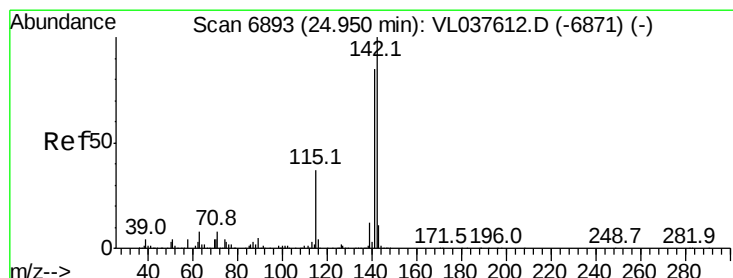
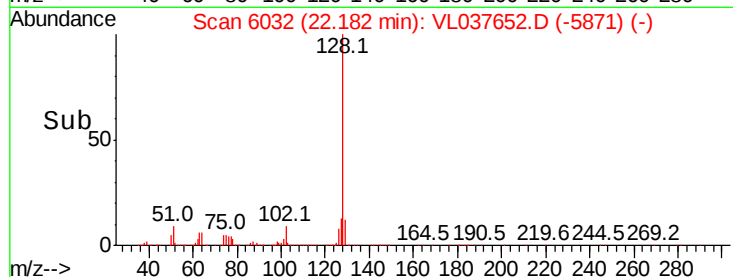
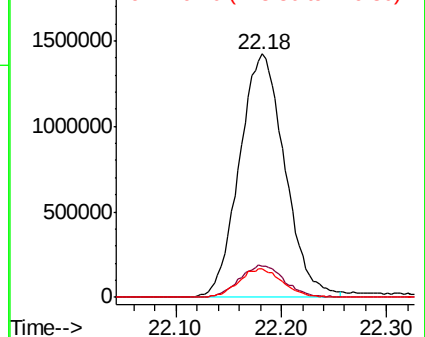
128 100

127 13.0 10.6 16.0

129 11.5 8.6 12.8



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 10.504 ppbv

RT: 24.96 min Scan# 6897

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

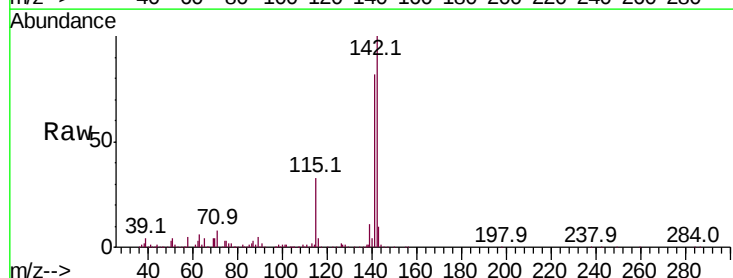
Tgt Ion:142 Resp: 898291

Ion Ratio Lower Upper

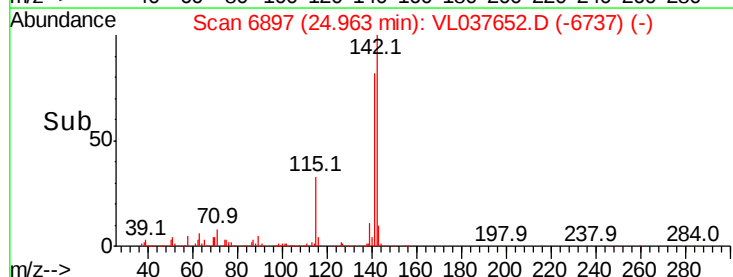
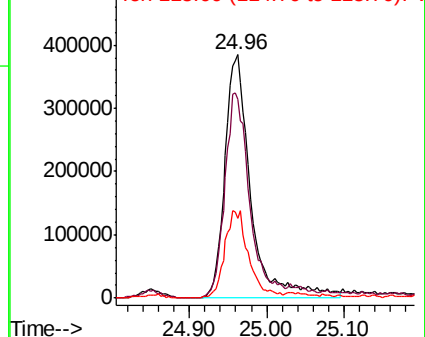
142 100

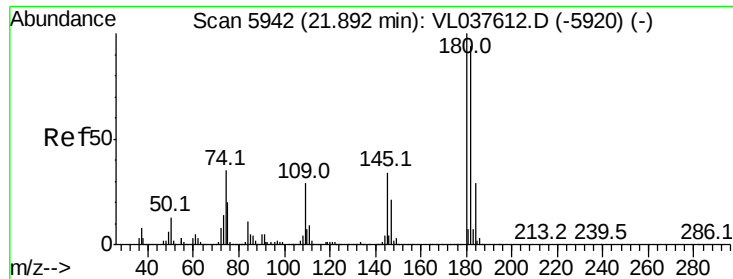
141 86.0 70.9 106.3

115 36.3 29.6 44.4



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 4.498 ppbv
 RT: 21.91 min Scan# 5949
 Delta R.T. 0.02 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1080389
 Ion Ratio Lower Upper
 180 100
 182 223.6 78.9 118.3#
 184 71.3 24.7 37.1#

