

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121621\
 Data File : VL038210.D
 Acq On : 17 Dec 2021 9:16
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 18 04:08:53 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	736888	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2331008	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2618728	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1517262	8.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1154446	9.484	ppbv 100
3) Chlorodifluoromethane	2.99	51	1357877	8.775	ppbv 99
4) Chloromethane	3.14	50	485783	9.221	ppbv 97
5) Vinyl Chloride	3.26	62	507054	9.811	ppbv 100
6) Bromomethane	3.47	94	270560	9.773	ppbv 99
7) Chloroethane	3.56	64	175527	9.570	ppbv 93
8) Dichlorotetrafluoroethane	3.19	85	1146457	9.468	ppbv 99
9) Propene	3.01	41	525522	9.221	ppbv 99
10) Heptane	8.11	43	1244208	8.833	ppbv 99
11) Trichlorofluoromethane	3.95	101	1086690	9.387	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	780035	9.526	ppbv 100
13) Ethanol	3.61	45	44214	8.028	ppbv 99
14) Bromoethene	3.74	108	355766	9.702	ppbv 98
15) Acetone	3.84	43	627106	9.816	ppbv 98
16) 1,3-Butadiene	3.33	39	512344	10.279	ppbv 93
17) tert-Butyl alcohol	4.28	59	852817	11.004	ppbv 99
18) 1,1-Dichloroethene	4.29	96	367683	9.788	ppbv 99
19) Isopropyl Alcohol	3.96	45	474916	10.288	ppbv # 1
20) Methylene Chloride	4.34	84	308360	8.617	ppbv 99
21) Allyl Chloride	4.41	41	574966	9.722	ppbv 97
22) trans-1,2-Dichloroethene	4.88	96	368932	9.696	ppbv 97
23) Vinyl Acetate	5.07	43	903605	9.770	ppbv 99
24) 1,1-Dichloroethane	5.00	63	762766	9.904	ppbv 98
25) Ethyl Acetate	5.67	43	1927313	9.077	ppbv 99
26) Hexane	5.68	57	915160	8.942	ppbv 97
27) Carbon Disulfide	4.55	76	824717	8.996	ppbv 100
28) Methyl tert-Butyl Ether	5.02	73	861416	9.908	ppbv 100
29) Chloroform	5.74	83	1341467	8.894	ppbv 98
30) Cyclohexane	7.12	84	818587	8.810	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	900809	9.253	ppbv 99
32) 1,1,1-Trichloroethane	6.50	97	1346600	8.797	ppbv 99
34) 2-Butanone	5.24	43	887570	9.443	ppbv 99
35) Carbon Tetrachloride	7.01	117	1334740	8.150	ppbv 98
36) Benzene	6.88	78	1975544	8.496	ppbv 99
37) 1,2-Dichloroethane	6.30	62	977228	8.702	ppbv 99
38) Trichloroethene	7.83	130	746343	8.509	ppbv 95
39) 1,2-Dichloropropane	7.60	63	756526	8.482	ppbv 96
40) 1,4-Dioxane	7.82	88	152344	6.556	ppbv # 8
41) Tetrahydrofuran	6.04	42	473252	8.111	ppbv 97
42) Bromodichloromethane	7.78	83	1410956	8.264	ppbv 99
43) Methyl Methacrylate	8.01	69	725715	9.123	ppbv 98

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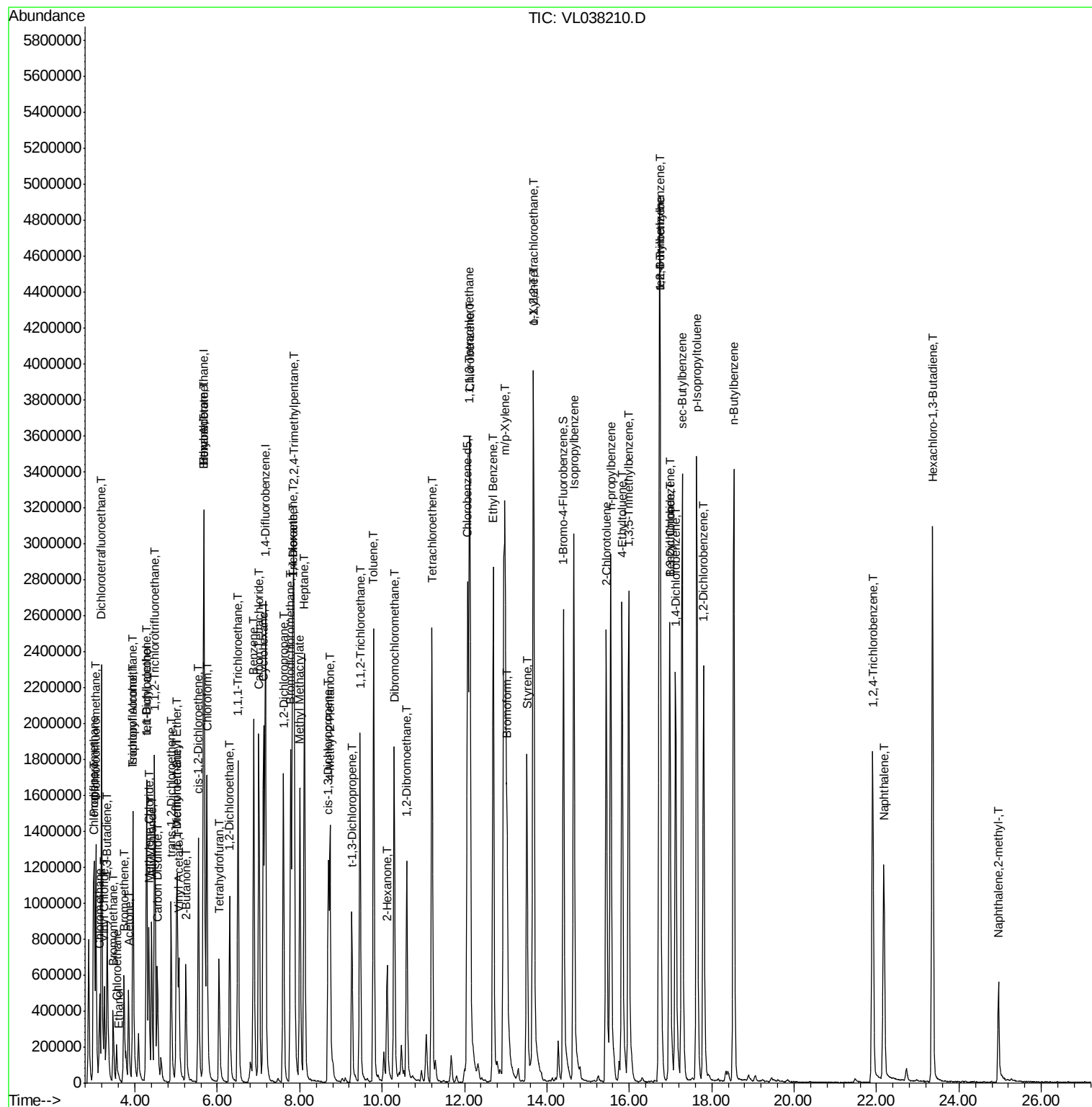
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3208768	8.248	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	663627	10.400	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	830840	9.627	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	798032	8.543	ppbv	97
48) Dibromochloromethane	10.29	129	1237116	8.696	ppbv	99
49) Bromoform	13.03	173	887279	8.718	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	1303297	9.130	ppbv	100
51) 2-Hexanone	10.12	43	684344	10.190	ppbv #	94
52) Tetrachloroethene	11.21	164	693147	8.056	ppbv	97
53) Toluene	9.79	91	2293080	8.571	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1165619	8.834	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	824485	6.935	ppbv	97
57) Chlorobenzene	12.13	112	1666561	7.100	ppbv	98
58) Ethyl Benzene	12.70	91	2975813	6.875	ppbv	99
59) m/p-Xylene	12.98	91	2443261	6.706	ppbv #	26
60) o-Xylene	13.68	91	2233374	6.608	ppbv	98
61) Styrene	13.51	104	1307866	7.217	ppbv	99
62) Isopropylbenzene	14.65	105	3280019	6.837	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	1533599	6.109	ppbv	97
64) n-propylbenzene	15.55	120	842796	6.896	ppbv	96
65) tert-Butylbenzene	16.73	119	2814478	6.658	ppbv	97
66) Benzyl Chloride	16.98	91	176105	8.221	ppbv	97
67) sec-Butylbenzene	17.28	105	3926680	6.667	ppbv	100
69) p-Isopropyltoluene	17.64	119	3264210	7.085	ppbv	99
70) n-Butylbenzene	18.54	91	3170427	7.197	ppbv	100
71) 2-Chlorotoluene	15.44	91	2304094	6.569	ppbv	97
72) 4-Ethyltoluene	15.82	105	2863539	7.307	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	2520556	7.042	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	2540546	6.888	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	1489781	7.354	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	1468864	7.205	ppbv	97
77) 1,2-Dichlorobenzene	17.80	146	1423684	7.258	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	836637	6.831	ppbv	99
79) Naphthalene	22.18	128	1747657	8.997	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	401146	9.637	ppbv	97
81) 1,2,4-Trichlorobenzene	21.91	180	947105	8.485	ppbv	99

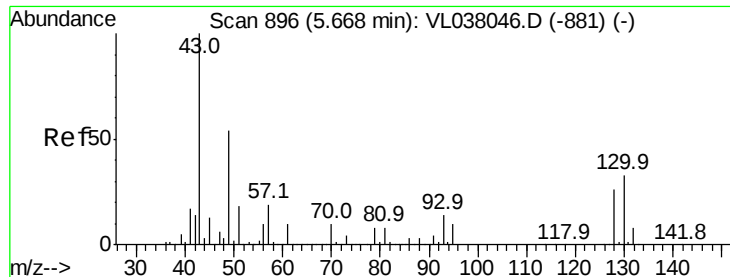
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Dec 2021 9:16

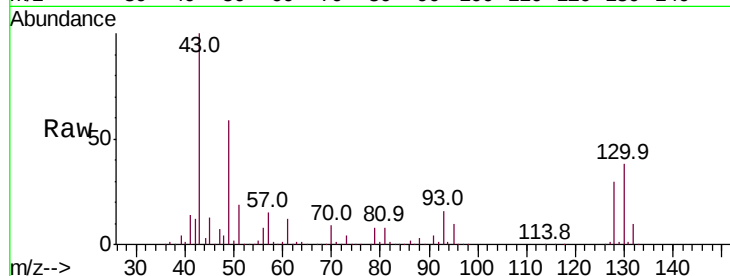
Tot Ion: 49 Resp: 736888

Ion Ratio Lower Upper

49 100

128 55.1 26.5 79.5

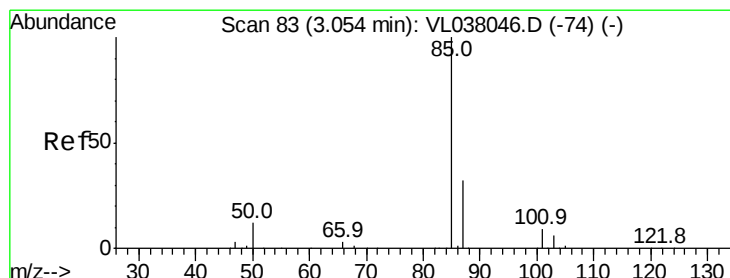
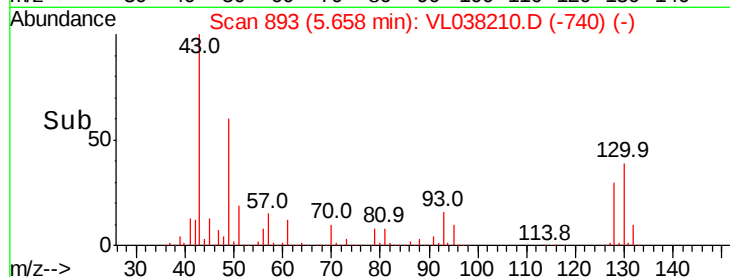
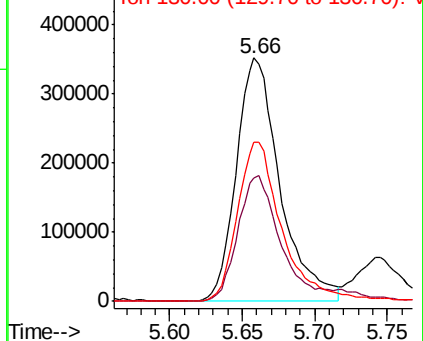
130 68.2 32.5 97.4



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: 9.484 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL038210.D

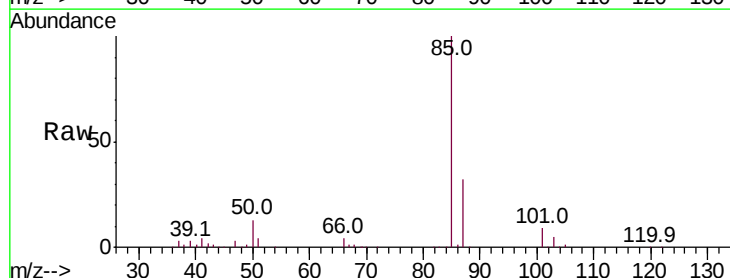
Acq: 17 Dec 2021 9:16

Tgt Ion: 85 Resp: 1154446

Ion Ratio Lower Upper

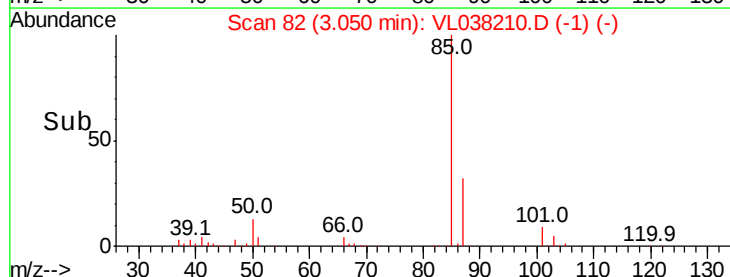
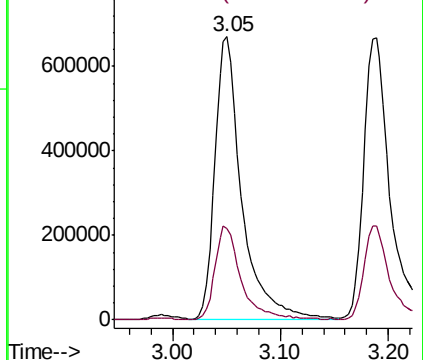
85 100

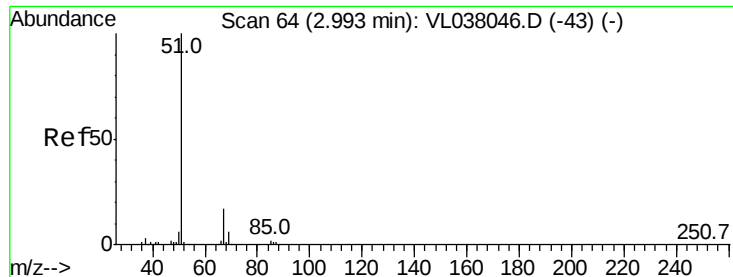
87 32.3 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

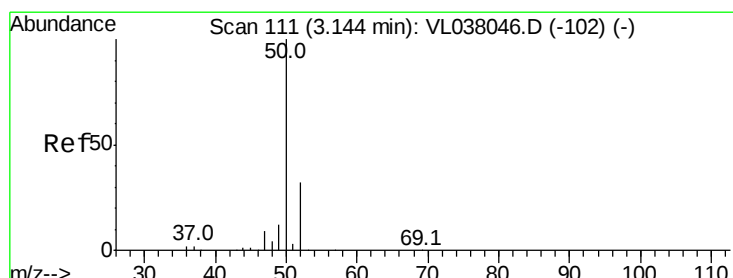
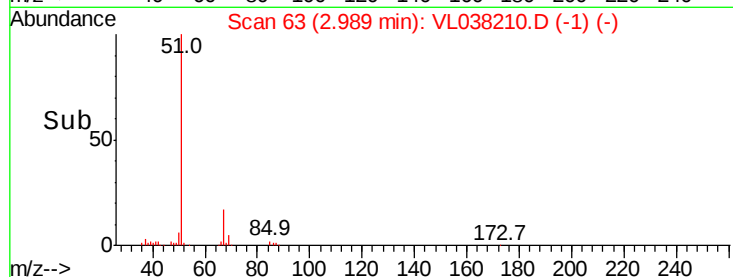
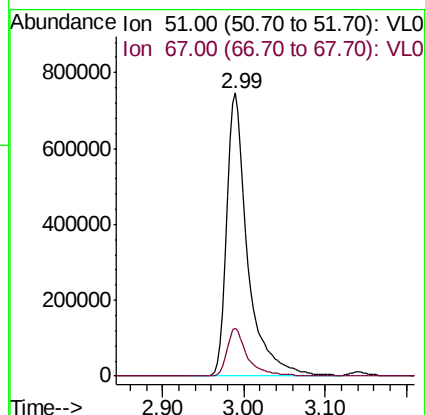
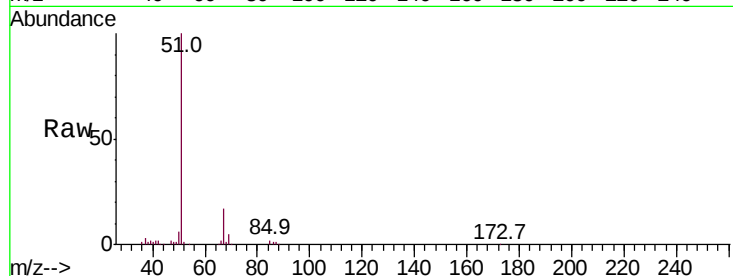
Ion 87.00 (86.70 to 87.70): VL0





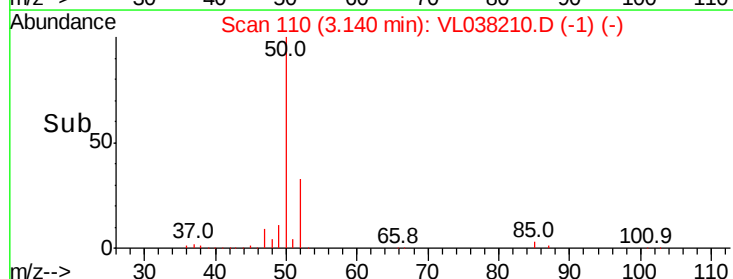
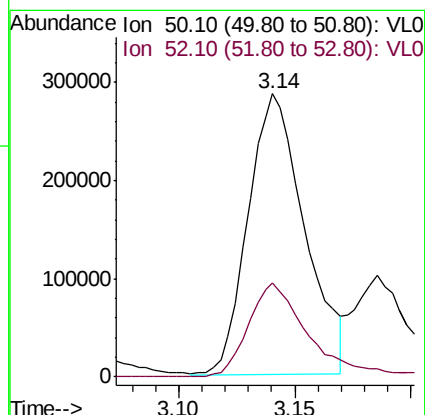
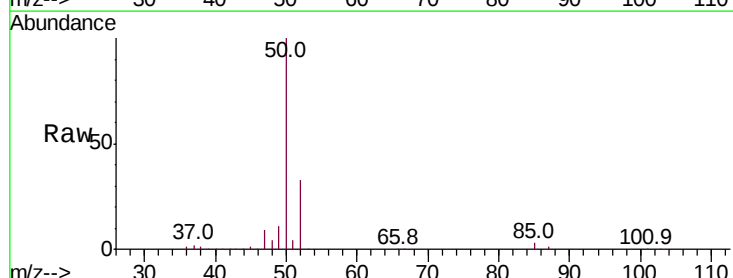
#3
 Chlorodifluoromethane
 Concen: 8.775 ppbv
 RT: 2.99
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 Dec 2021 9:16

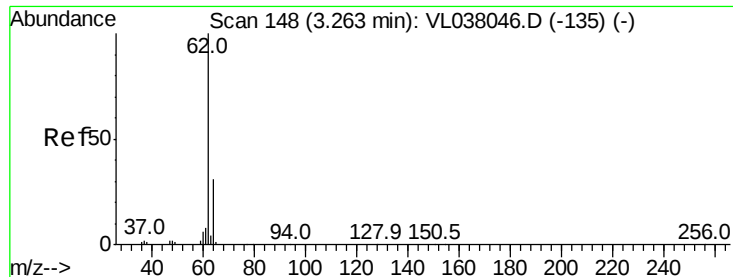
Tot Ion: 51 Resp: 1357877
 Ion Ratio Lower Upper
 51 100
 67 16.7 13.8 20.8



#4
 Chloromethane
 Concen: 9.221 ppbv
 RT: 3.14 min Scan# 110
 Delta R.T. -0.00 min
 Lab File: VL038210.D
 Acq: 17 Dec 2021 9:16

Tgt Ion: 50 Resp: 485783
 Ion Ratio Lower Upper
 50 100
 52 33.6 25.4 38.0





#5

Vinyl Chloride

Concen: 9.811 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

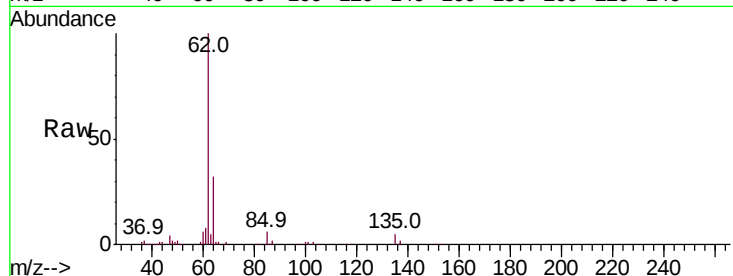
Acq: 17 Dec 2021 9:16

Tot Ion: 62 Resp: 507054

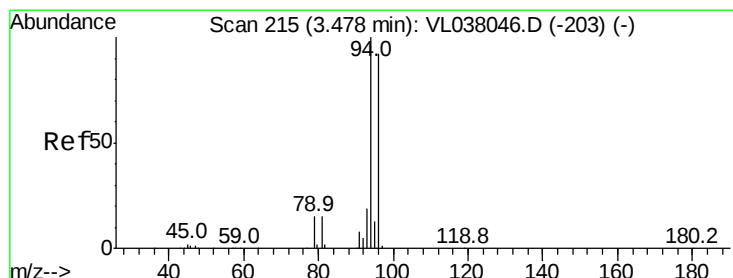
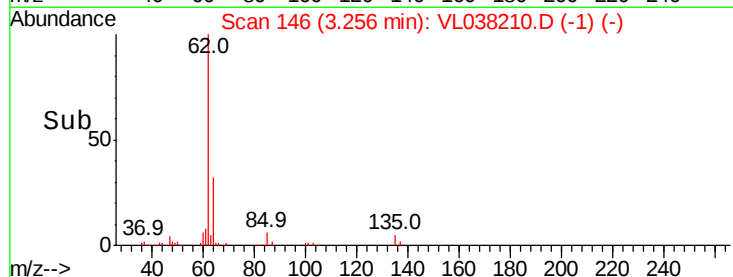
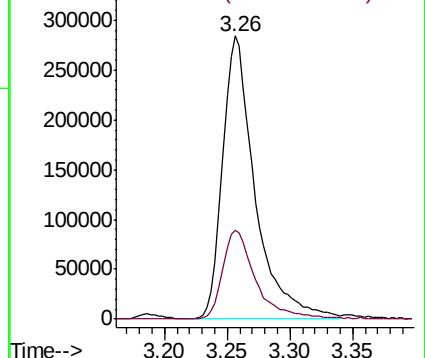
Ion Ratio Lower Upper

62 100

64 31.7 25.1 37.7



Abundance Ion 62.10 (61.80 to 62.80): VL0



#6

Bromomethane

Concen: 9.773 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.01 min

Lab File: VL038210.D

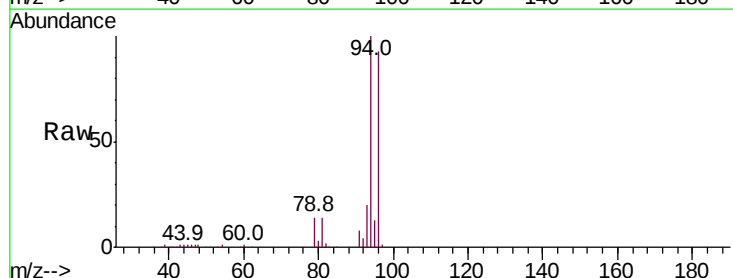
Acq: 17 Dec 2021 9:16

Tgt Ion: 94 Resp: 270560

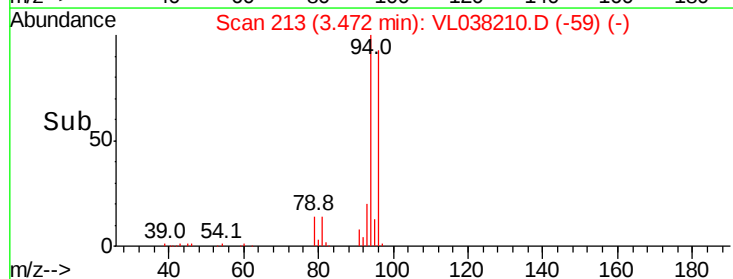
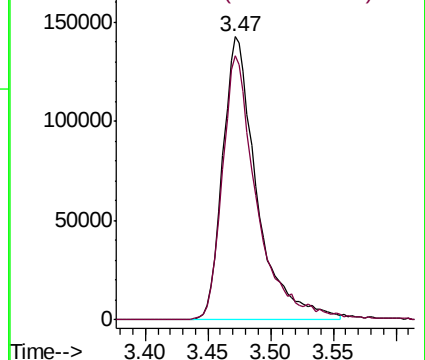
Ion Ratio Lower Upper

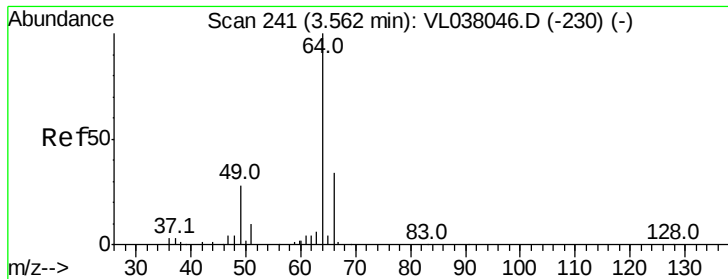
94 100

96 93.2 73.9 110.9



Abundance Ion 94.00 (93.70 to 94.70): VL0





#7

Chloroethane

Concen: 9.570 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

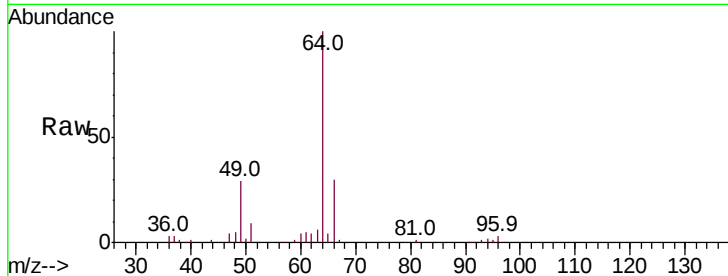
Acq: 17 Dec 2021 9:16

Tot Ion: 64 Resp: 175527

Ion Ratio Lower Upper

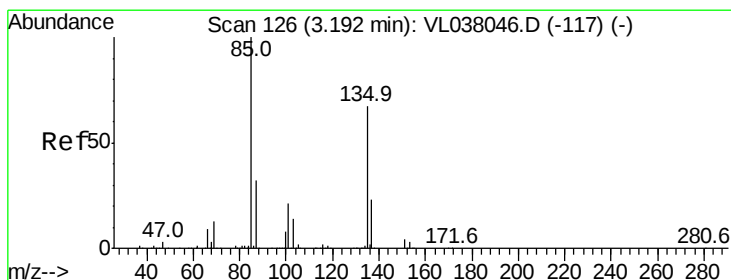
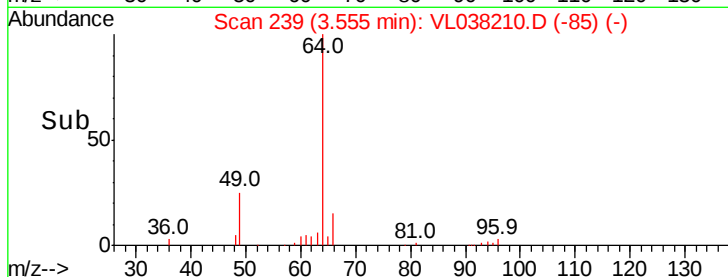
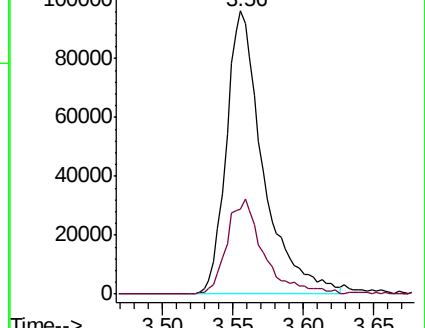
64 100

66 30.1 27.2 40.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.468 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.00 min

Lab File: VL038210.D

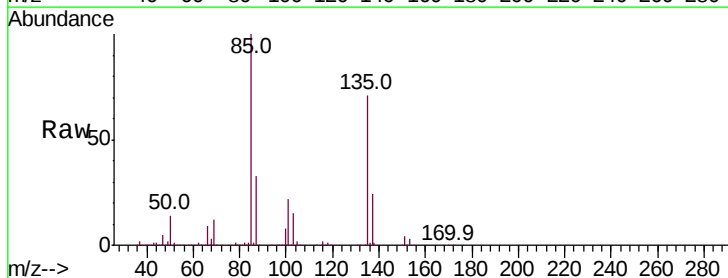
Acq: 17 Dec 2021 9:16

Tgt Ion: 85 Resp: 1146457

Ion Ratio Lower Upper

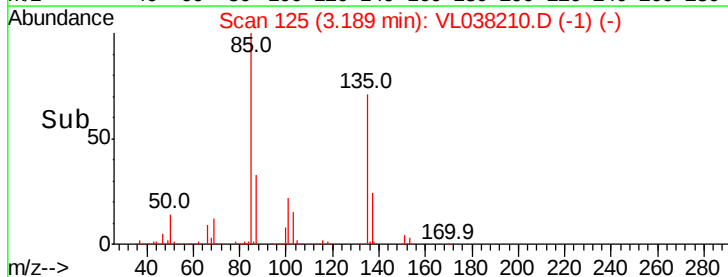
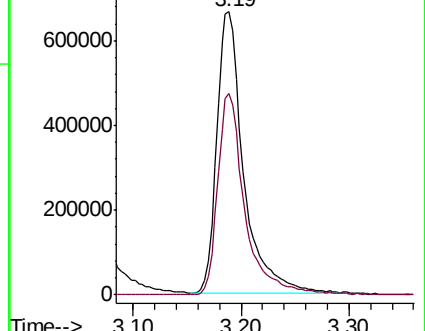
85 100

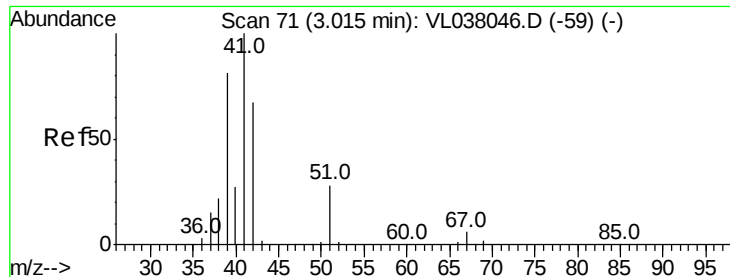
135 73.3 57.9 86.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0





#9

Propene

Concen: 9.221 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

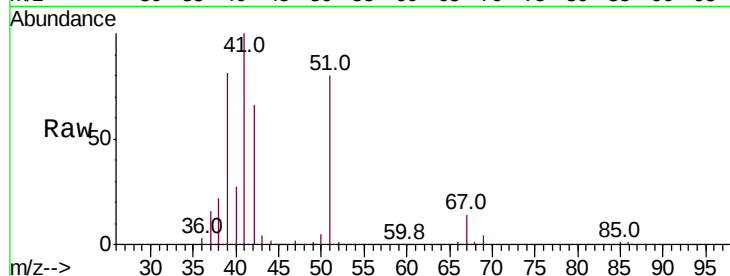
Acq: 17 Dec 2021 9:16

Tot Ion: 41 Resp: 525522

Ion Ratio Lower Upper

41 100

42 66.4 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

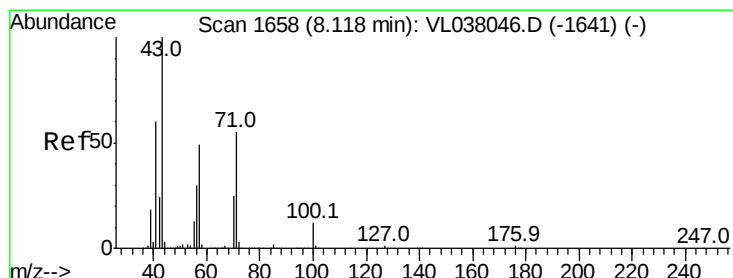
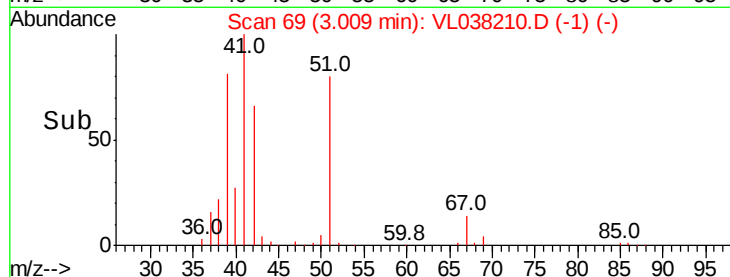
3.01

200000

100000

0

Time--> 2.90 3.00 3.10



#10

Heptane

Concen: 8.833 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VL038210.D

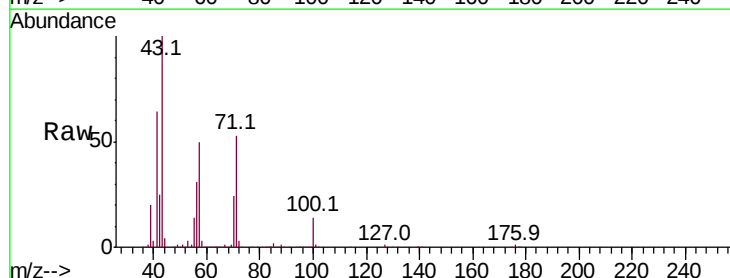
Acq: 17 Dec 2021 9:16

Tgt Ion: 43 Resp: 1244208

Ion Ratio Lower Upper

43 100

57 49.8 40.4 60.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.11

600000

500000

400000

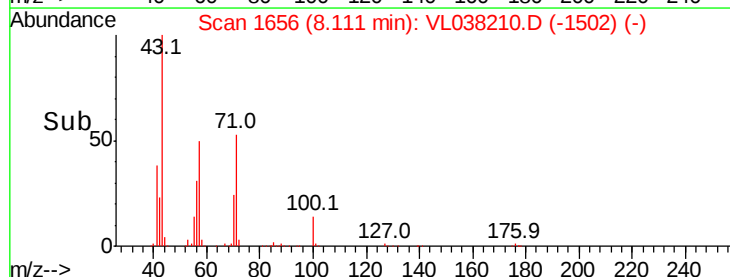
300000

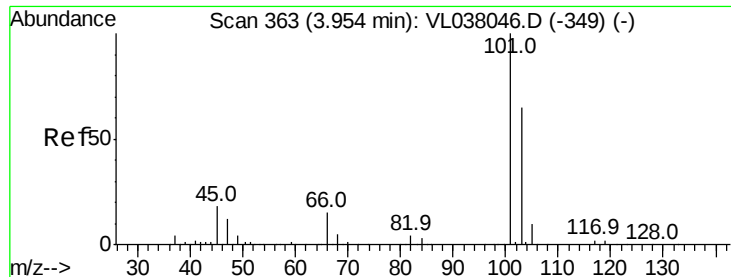
200000

100000

0

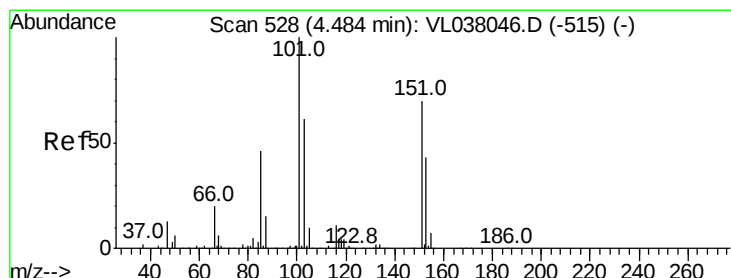
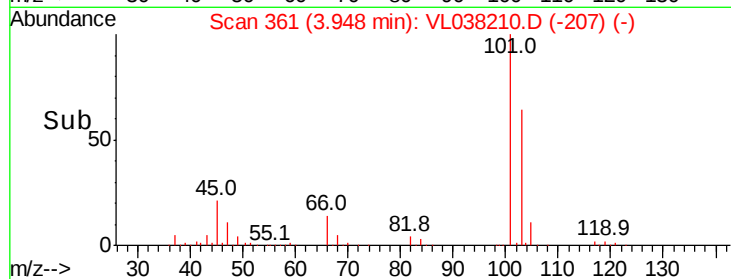
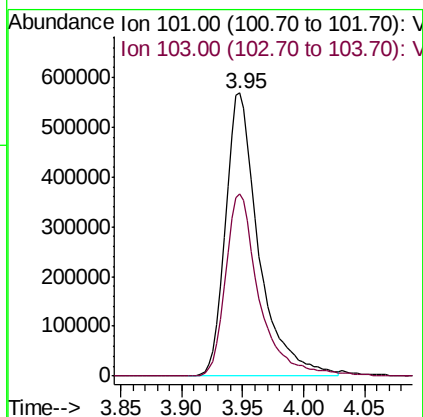
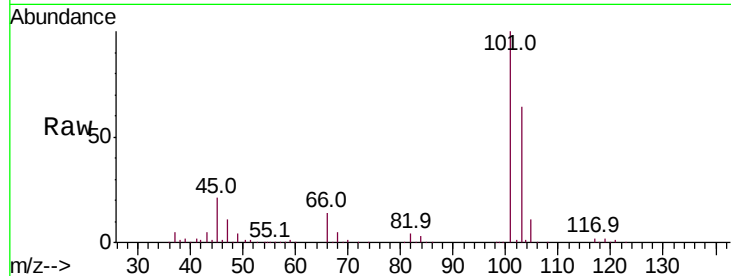
Time--> 8.00 8.05 8.10 8.15 8.20





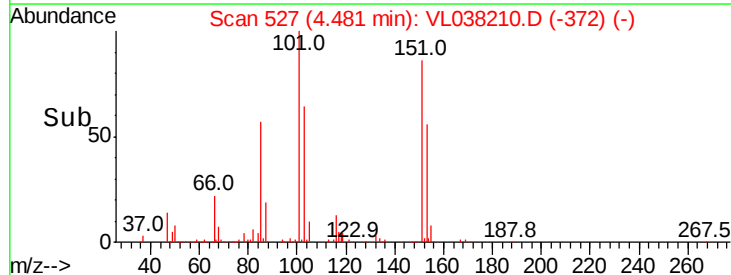
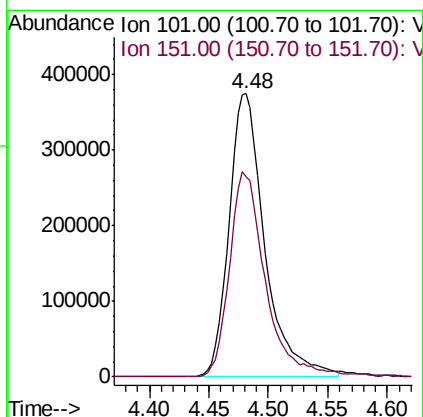
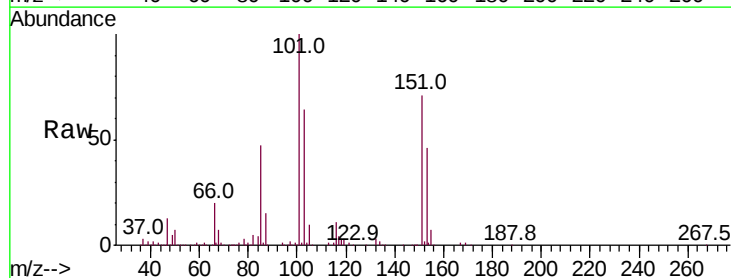
#11
 Trichlorofluoromethane
 Concen: 9.387 ppbv
 RT: 3.95
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 17 Dec 2021 9:16

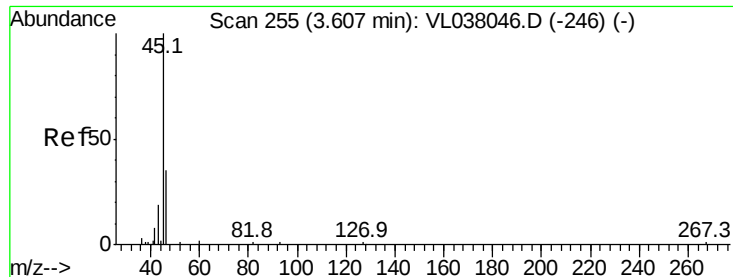
Tot Ion:101 Resp: 1086690
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.526 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL038210.D
 Acq: 17 Dec 2021 9:16

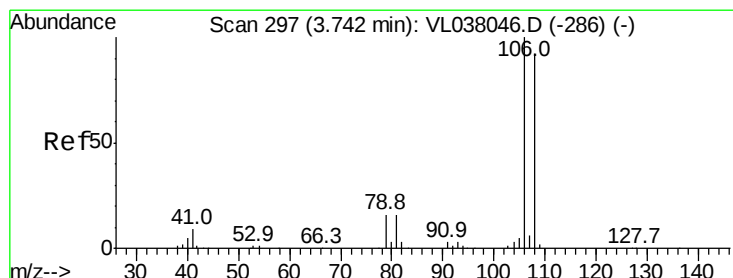
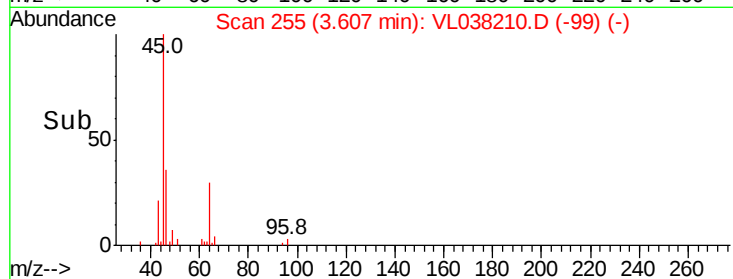
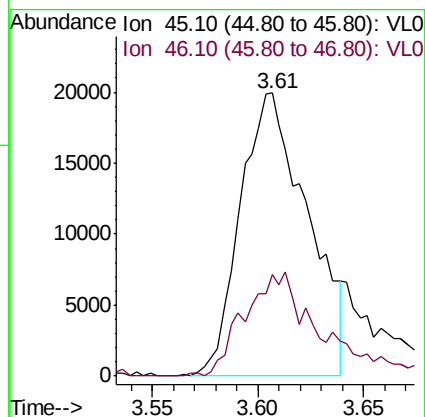
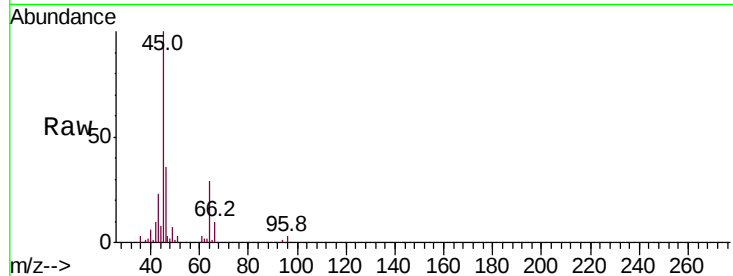
Tgt Ion:101 Resp: 780035
 Ion Ratio Lower Upper
 101 100
 151 73.5 59.0 88.4





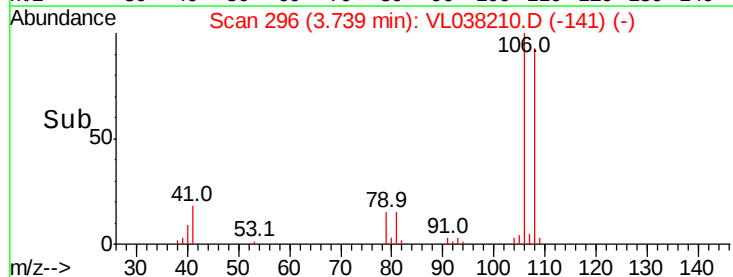
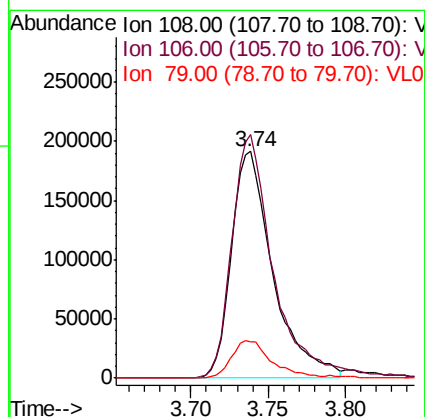
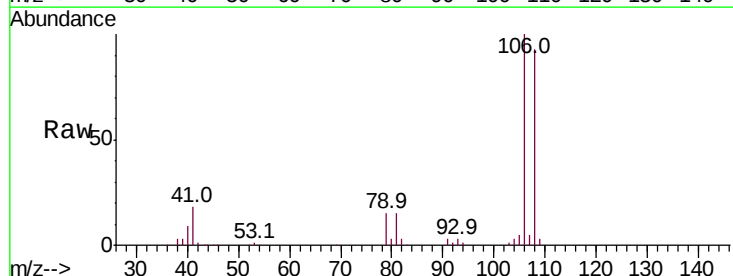
#13
Ethanol
Concen: 8.028 ppbv
RT: 3.61
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 17 Dec 2021 9:16

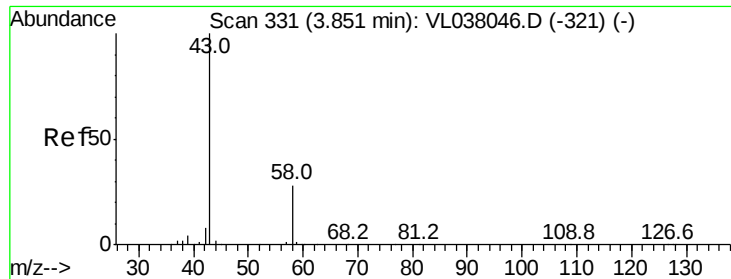
Tot Ion: 45 Resp: 44214
Ion Ratio Lower Upper
45 100
46 44.4 17.6 70.2



#14
Bromoethene
Concen: 9.702 ppbv
RT: 3.74 min Scan# 296
Delta R.T.: -0.00 min
Lab File: VL038210.D
Acq: 17 Dec 2021 9:16

Tgt Ion: 108 Resp: 355766
Ion Ratio Lower Upper
108 100
106 109.4 89.4 134.0
79 17.0 14.1 21.1





#15

Acetone

Concen: 9.816 ppbv

RT: 3.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

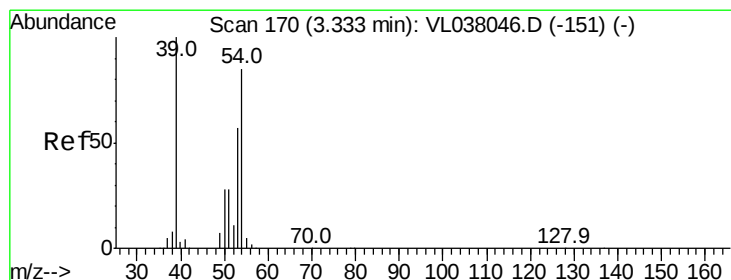
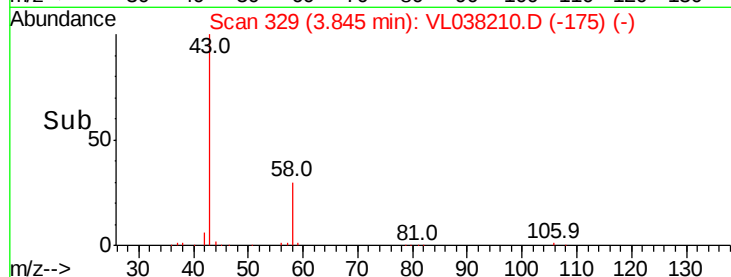
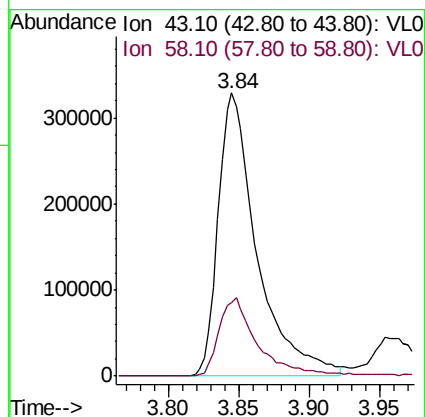
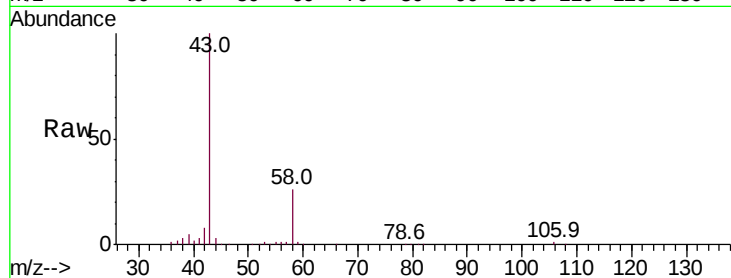
Acq: 17 Dec 2021 9:16

Tot Ion: 43 Resp: 627106

Ion Ratio Lower Upper

43 100

58 29.0 22.4 33.6



#16

1,3-Butadiene

Concen: 10.279 ppbv

RT: 3.33 min Scan# 168

Delta R.T. -0.01 min

Lab File: VL038210.D

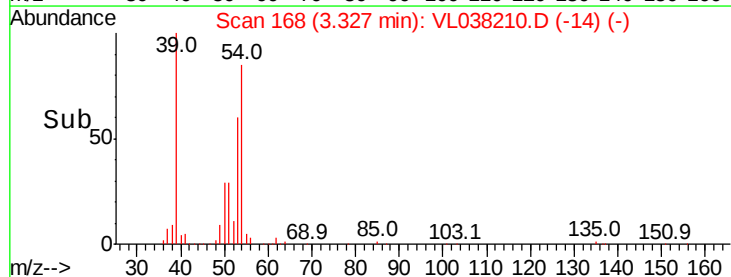
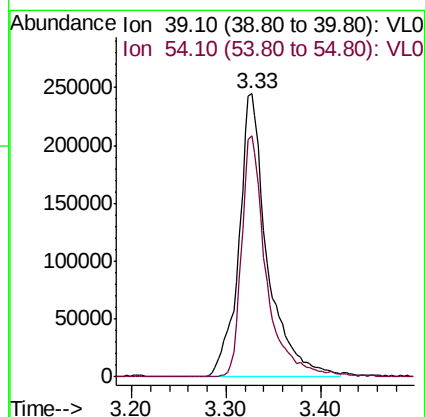
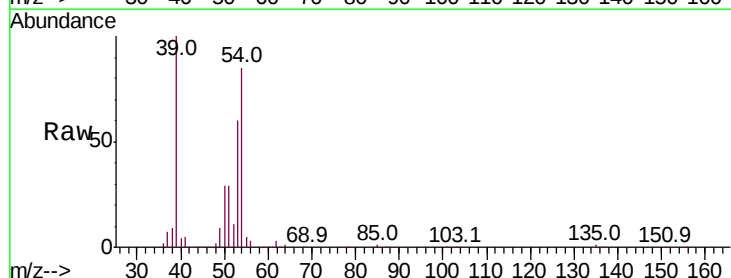
Acq: 17 Dec 2021 9:16

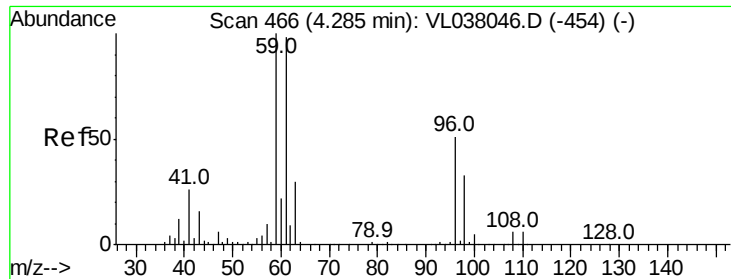
Tgt Ion: 39 Resp: 512344

Ion Ratio Lower Upper

39 100

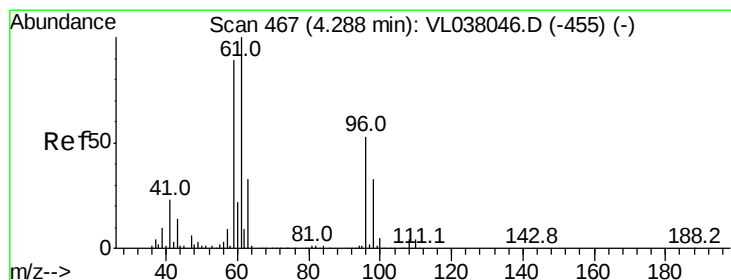
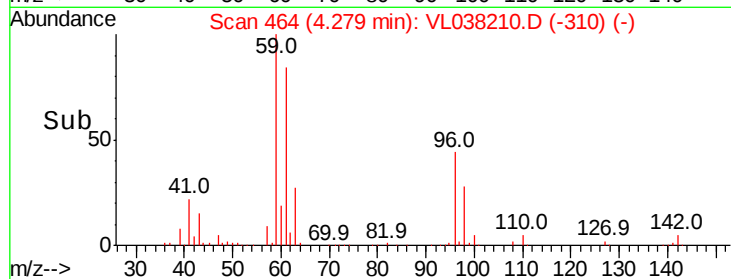
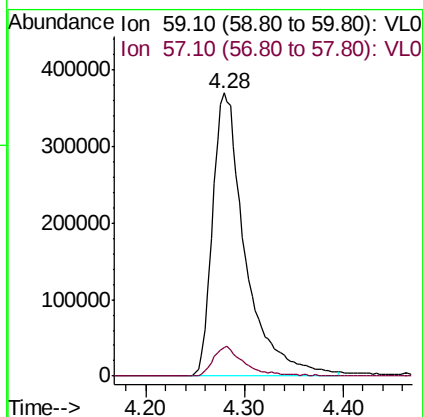
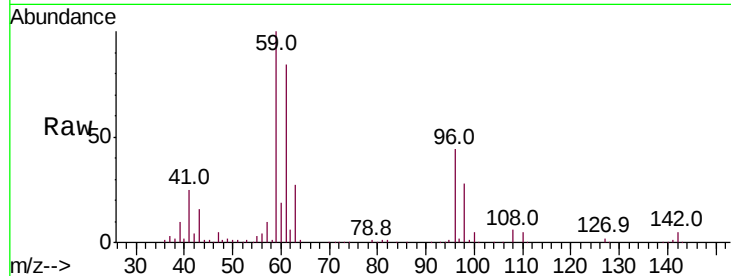
54 74.3 64.4 96.6





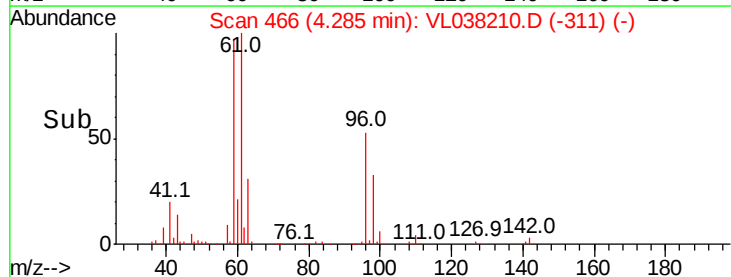
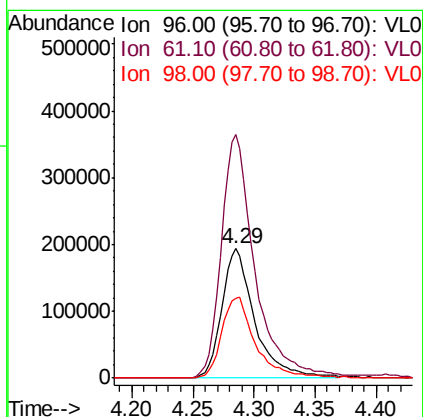
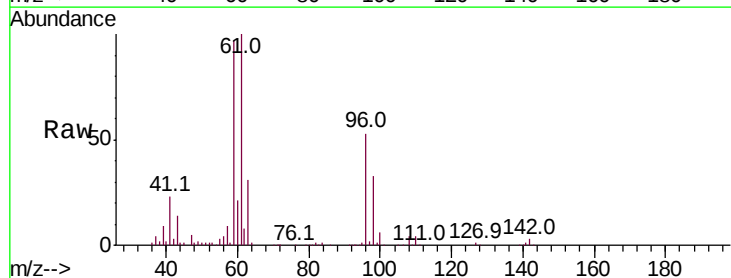
#17
 tert-Butyl alcohol
 Concen: 11.004 ppbv
 RT: 4.28 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 17 Dec 2021 9:16

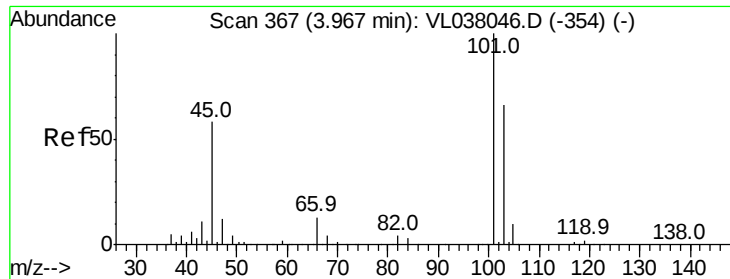
Tot Ion: 59 Resp: 852817
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.6 13.0



#18
 1,1-Dichloroethene
 Concen: 9.788 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T.: -0.00 min
 Lab File: VL038210.D
 Acq: 17 Dec 2021 9:16

Tgt Ion: 96 Resp: 367683
 Ion Ratio Lower Upper
 96 100
 61 188.4 149.8 224.8
 98 61.8 50.2 75.2





#19

Isopropyl Alcohol

Concen: 10.288 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

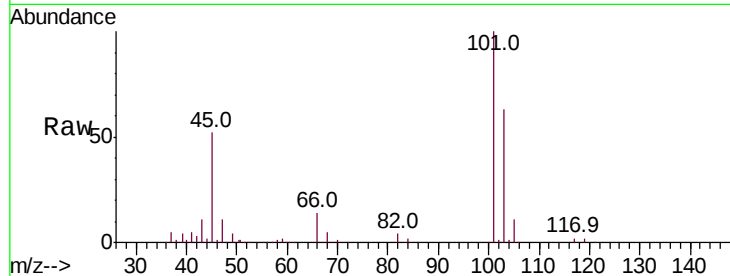
Acq: 17 Dec 2021 9:16

Tot Ion: 45 Resp: 474916

Ion Ratio Lower Upper

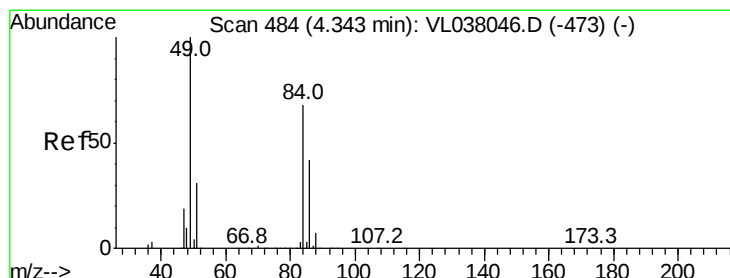
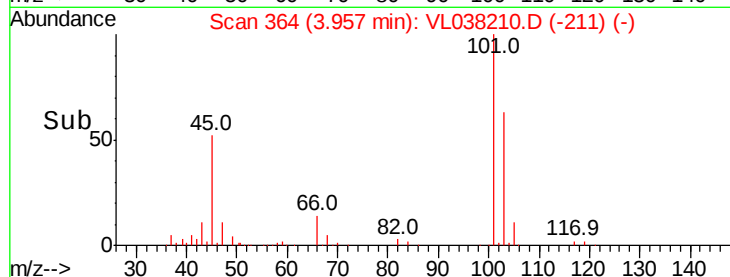
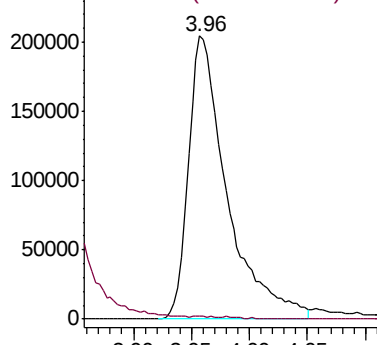
45 100

58 38.3 1.4 2.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.617 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL038210.D

Acq: 17 Dec 2021 9:16

Tgt Ion: 84 Resp: 308360

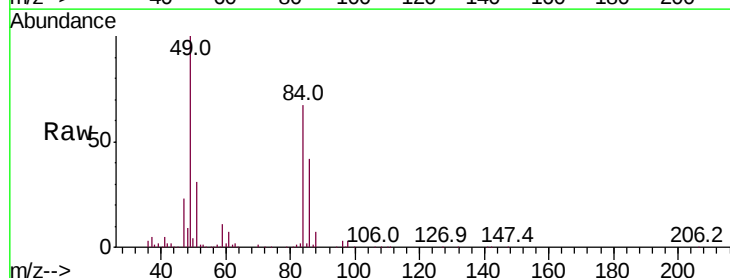
Ion Ratio Lower Upper

84 100

49 147.6 118.2 177.2

51 44.8 36.8 55.2

86 63.4 49.0 73.6

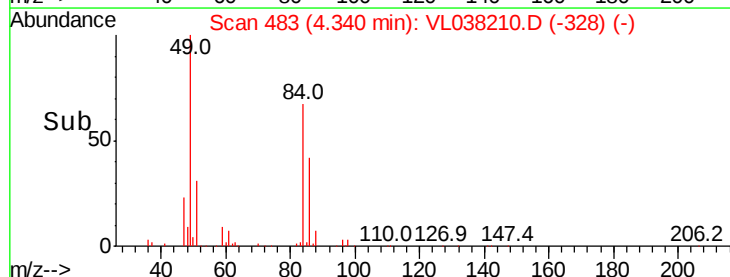
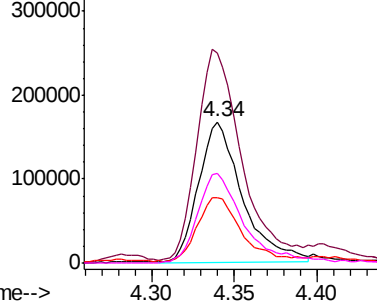


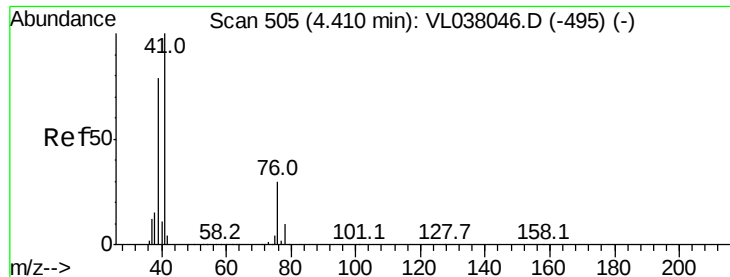
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 9.722 ppbv

RT: 4.41 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Dec 2021 9:16

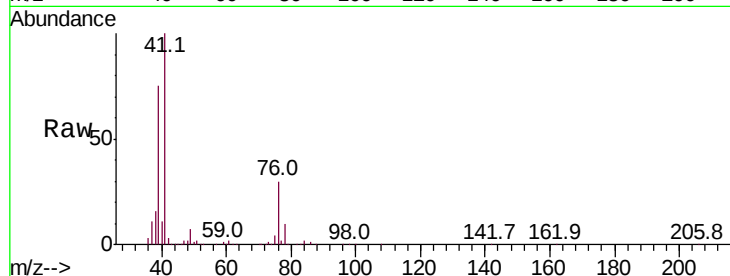
Tot Ion: 41 Resp: 574966

Ion Ratio Lower Upper

41 100

76 30.3 24.6 36.8

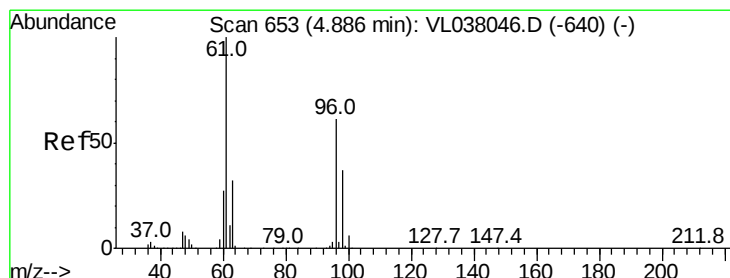
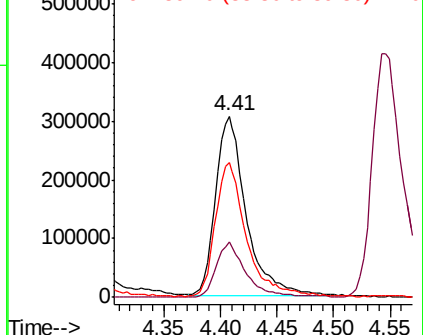
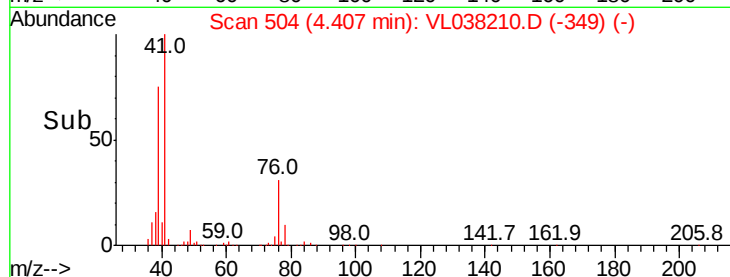
39 76.4 63.4 95.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.696 ppbv

RT: 4.88 min Scan# 651

Delta R.T. -0.01 min

Lab File: VL038210.D

Acq: 17 Dec 2021 9:16

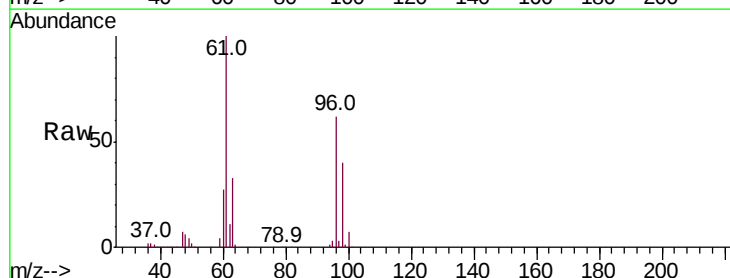
Tgt Ion: 96 Resp: 368932

Ion Ratio Lower Upper

96 100

61 160.3 131.6 197.4

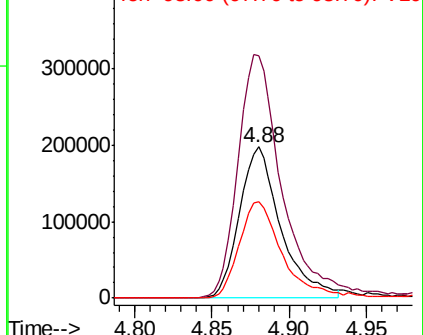
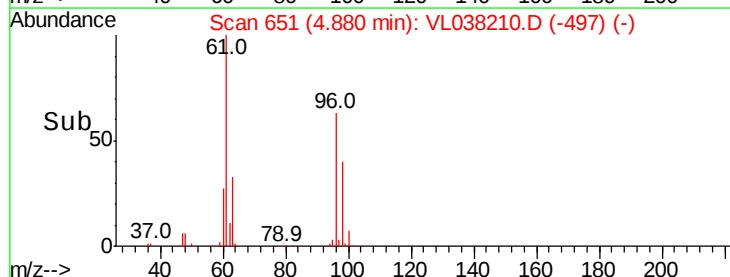
98 63.6 48.4 72.6

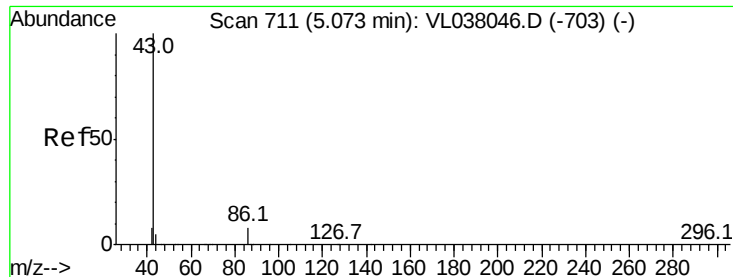


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.770 ppbv

RT: 5.07 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Dec 2021 9:16

Tot Ion: 43 Resp: 903605

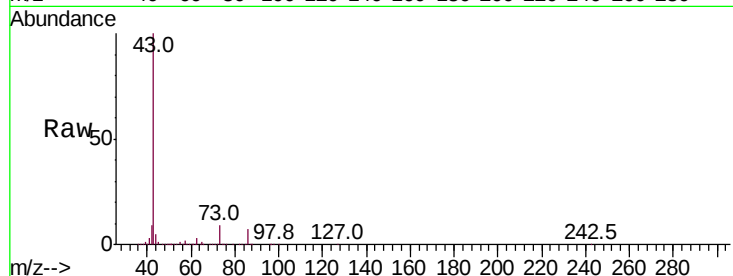
Ion Ratio Lower Upper

43 100

86 6.7 5.3 7.9

42 8.6 7.0 10.6

44 4.5 4.0 6.0

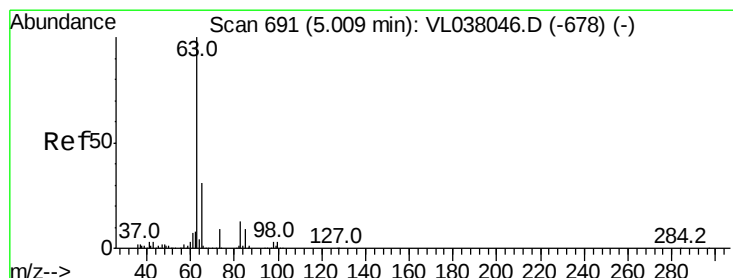
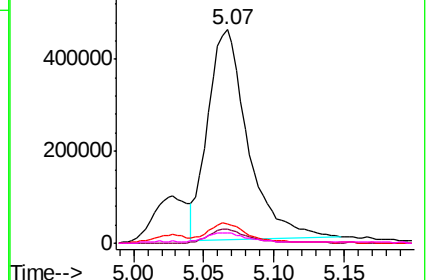
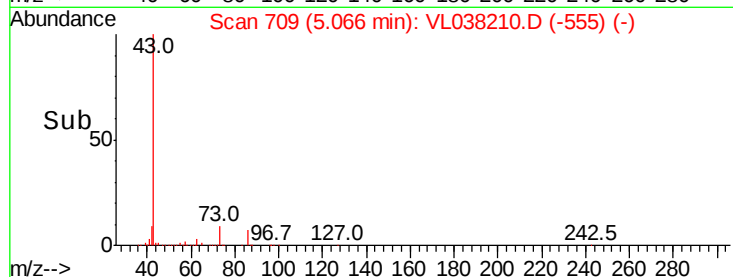


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.904 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.01 min

Lab File: VL038210.D

Acq: 17 Dec 2021 9:16

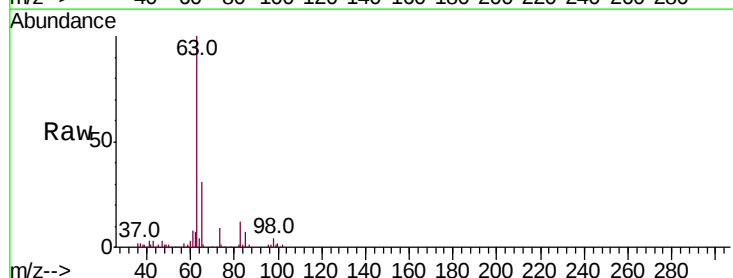
Tgt Ion: 63 Resp: 762766

Ion Ratio Lower Upper

63 100

98 4.2 1.8 5.4

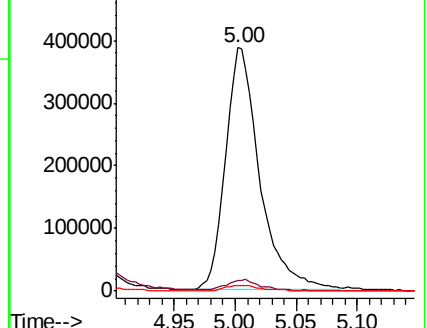
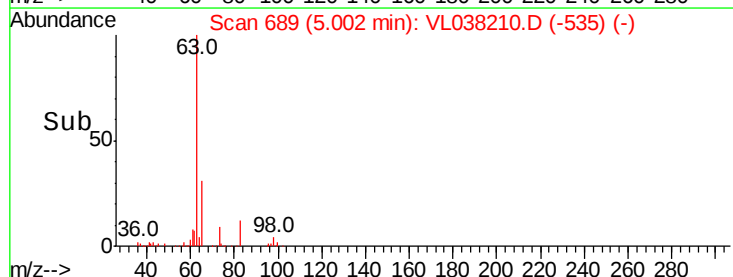
100 2.3 1.4 4.0

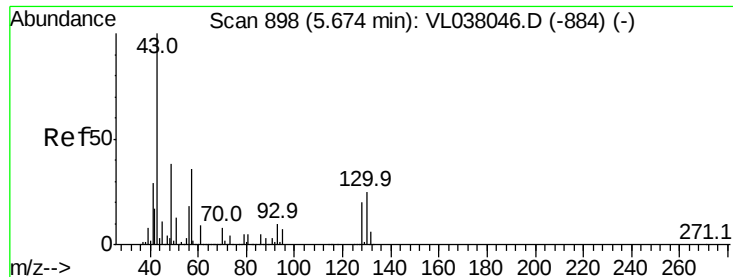


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

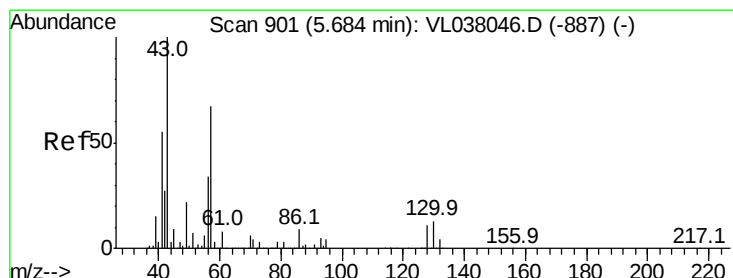
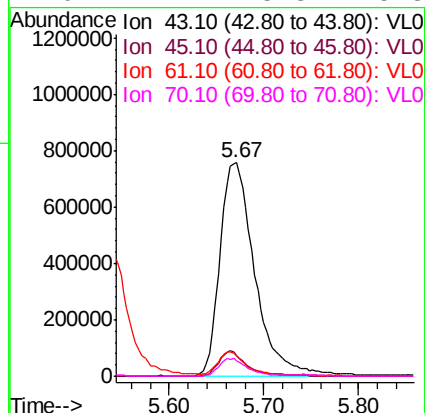
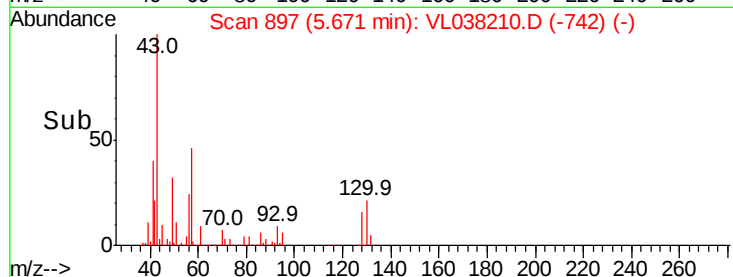
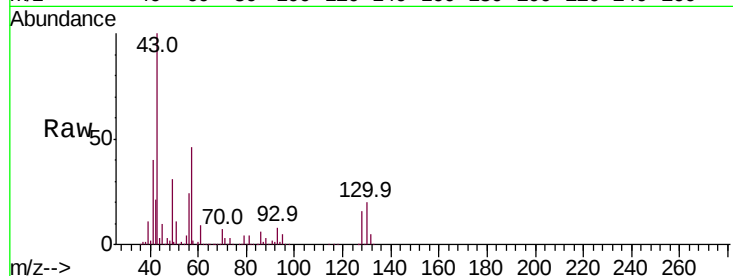
Ion 100.00 (99.70 to 100.70): VL0





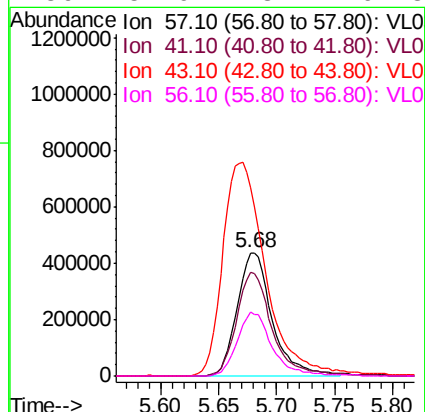
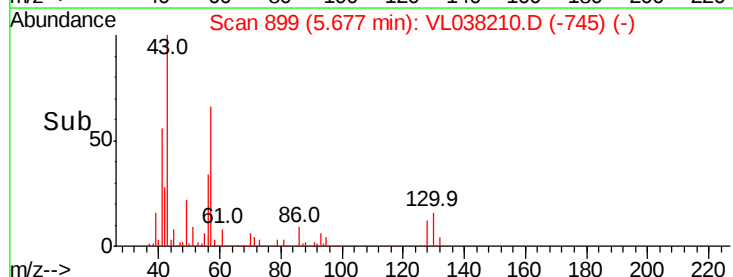
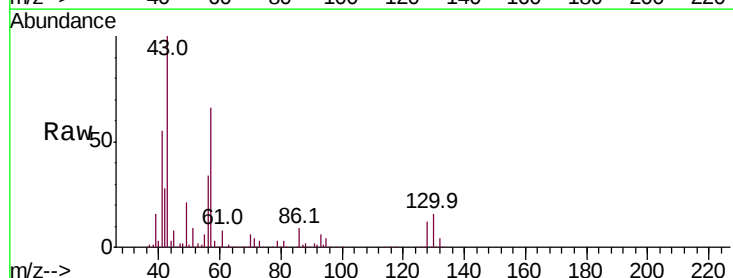
#25
Ethyl Acetate
Concen: 9.077 ppbv
RT: 5.67 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 17 Dec 2021 9:16

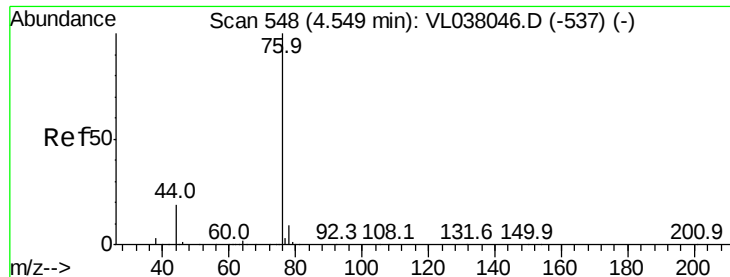
Tot Ion:	43	Resp:	1927313
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	10.1	7.8	11.6
70	7.1	5.8	8.8



#26
Hexane
Concen: 8.942 ppbv
RT: 5.68 min Scan# 899
Delta R.T.: -0.01 min
Lab File: VL038210.D
Acq: 17 Dec 2021 9:16

Tgt Ion:	57	Resp:	915160
Ion	Ratio	Lower	Upper
57	100		
41	86.2	71.4	107.2
43	213.1	174.6	261.8
56	51.9	43.2	64.8





#27

Carbon Disulfide

Concen: 8.996 ppbv

RT: 4.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Dec 2021 9:16

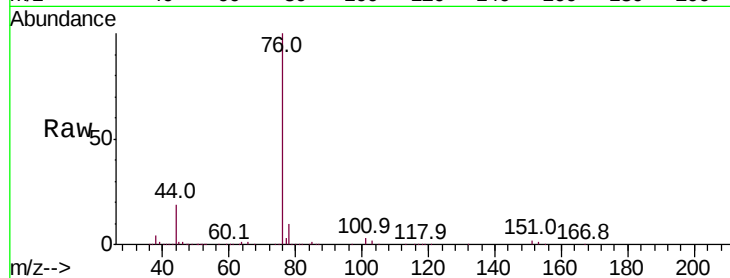
Tot Ion: 76 Resp: 824717

Ion Ratio Lower Upper

76 100

44 18.4 14.9 22.3

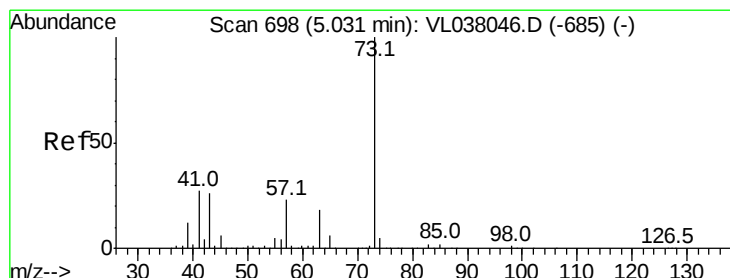
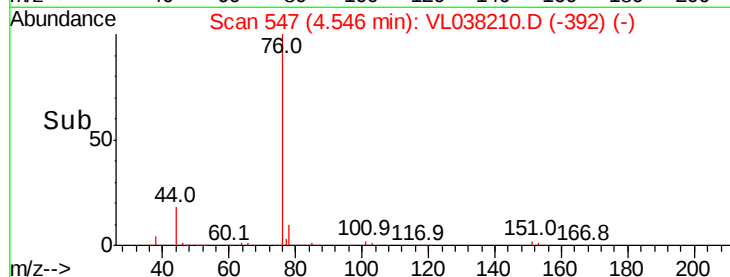
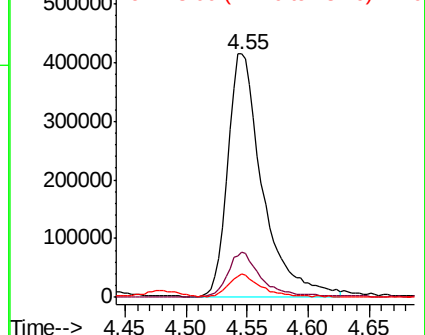
78 9.4 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.908 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.01 min

Lab File: VL038210.D

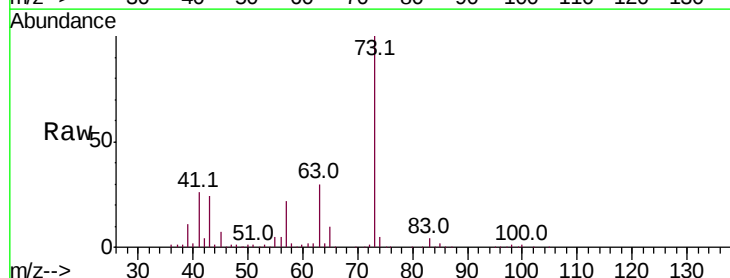
Acq: 17 Dec 2021 9:16

Tgt Ion: 73 Resp: 861416

Ion Ratio Lower Upper

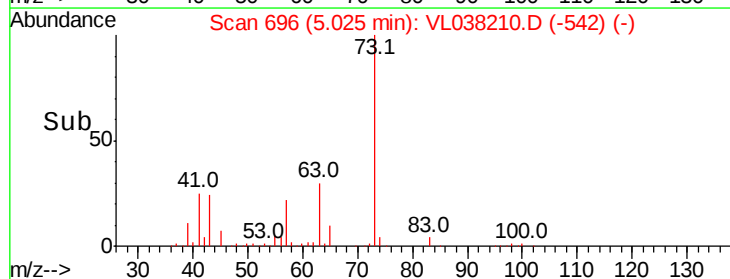
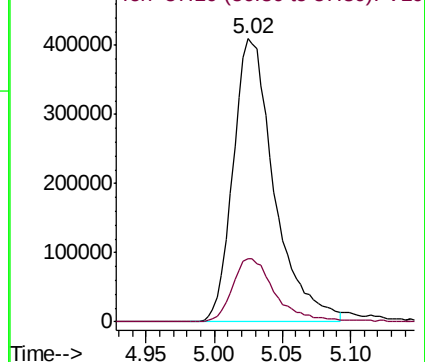
73 100

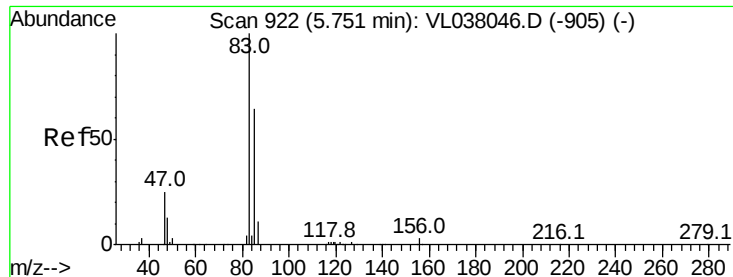
57 23.8 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 8.894 ppbv

RT: 5.74 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

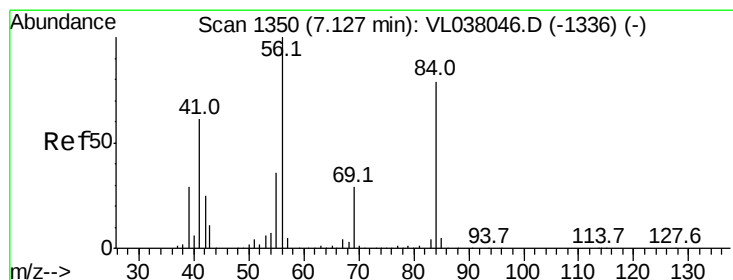
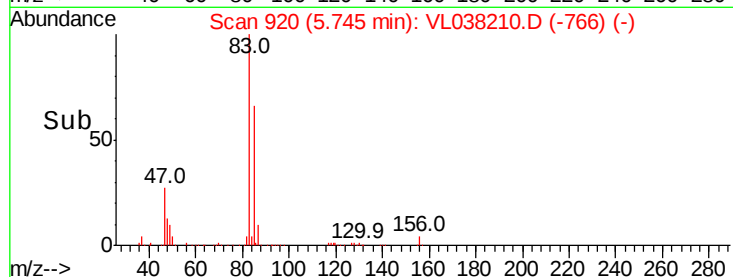
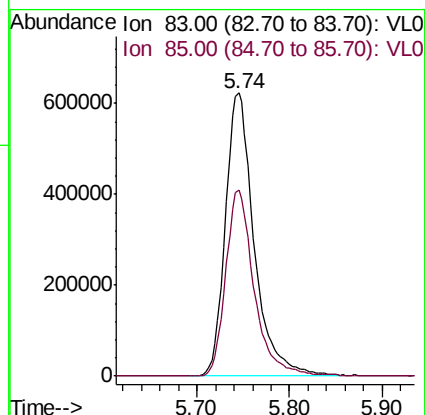
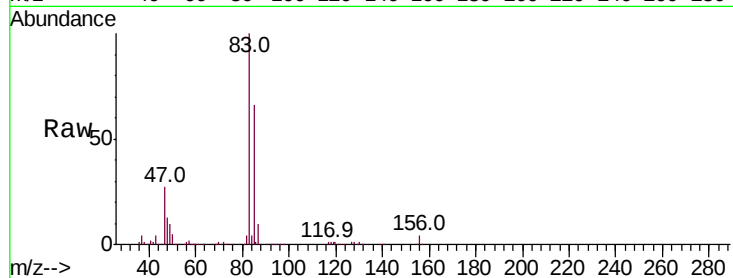
Acq: 17 Dec 2021 9:16

Tot Ion: 83 Resp: 1341467

Ion Ratio Lower Upper

83 100

85 65.6 51.0 76.6



#30

Cyclohexane

Concen: 8.810 ppbv

RT: 7.12 min Scan# 1348

Delta R.T. -0.01 min

Lab File: VL038210.D

Acq: 17 Dec 2021 9:16

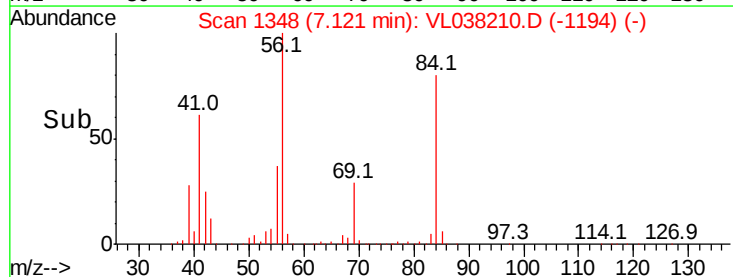
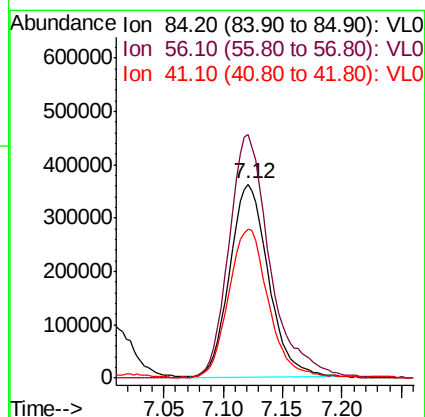
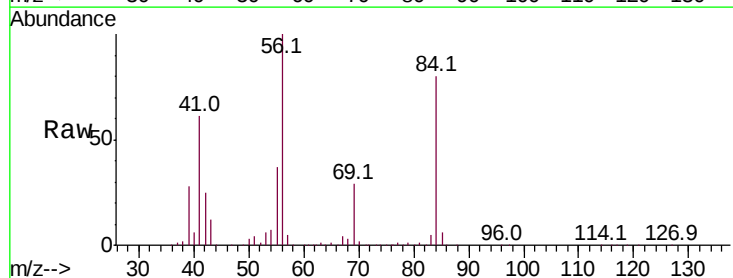
Tgt Ion: 84 Resp: 818587

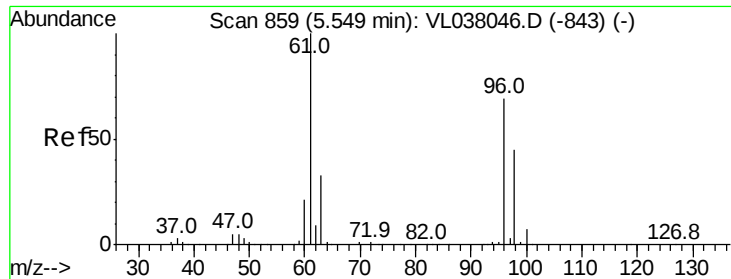
Ion Ratio Lower Upper

84 100

56 134.3 108.1 162.1

41 78.4 64.4 96.6





#31

cis-1,2-Dichloroethene

Concen: 9.253 ppbv

RT: 5.54

Instrument: MSVOA_1

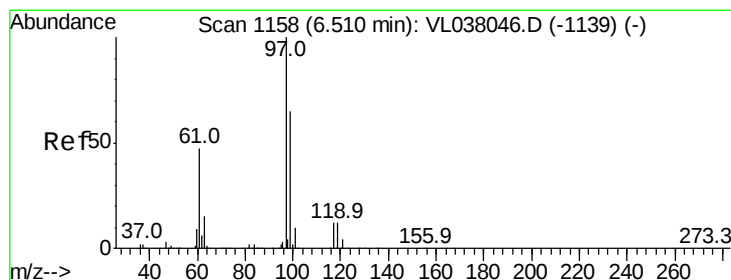
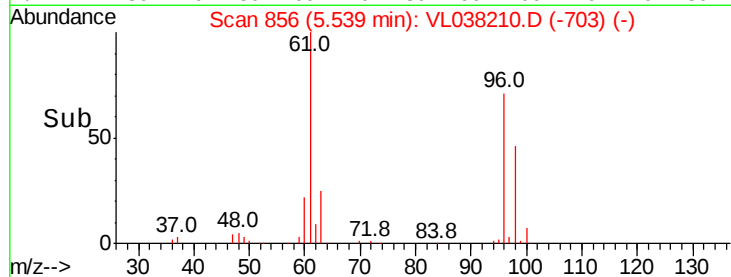
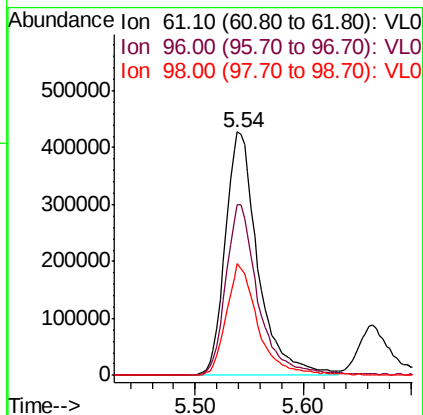
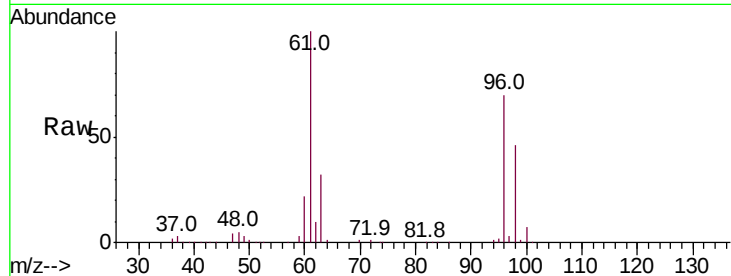
Delta R.T.

Lab File: ClientSampleId :

Acq: 17 Dec 2021 9:16

Tot Ion: 61 Resp: 900809

Ion	Ratio	Lower	Upper
61	100		
96	70.3	55.4	83.2
98	45.7	35.7	53.5



#32

1,1,1-Trichloroethane

Concen: 8.797 ppbv

RT: 6.50 min Scan# 1156

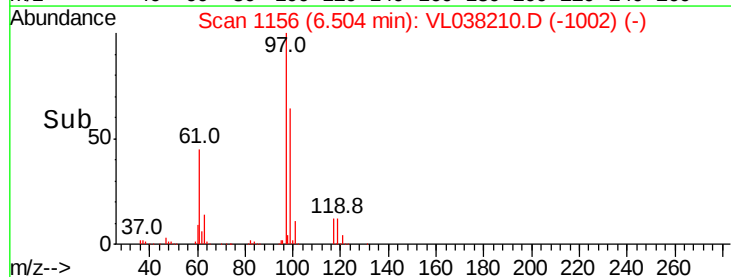
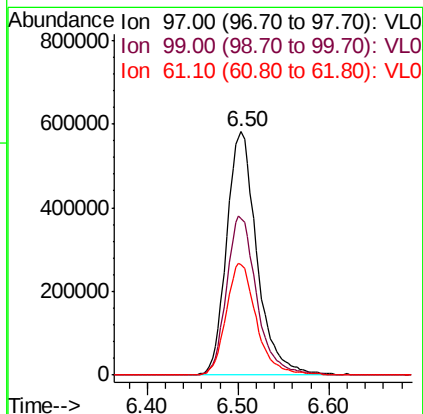
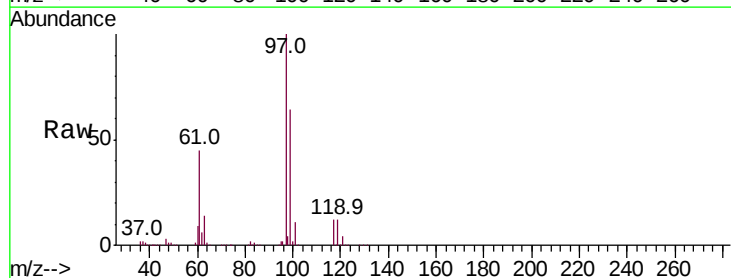
Delta R.T. -0.01 min

Lab File: VL038210.D

Acq: 17 Dec 2021 9:16

Tgt Ion: 97 Resp: 1346600

Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.2	78.4
61	45.9	37.7	56.5

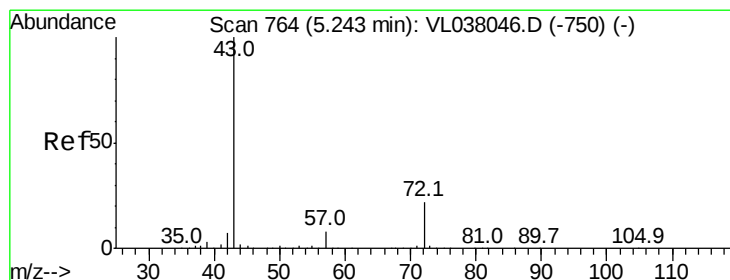
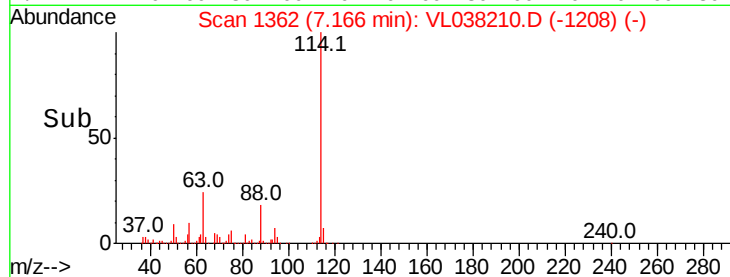
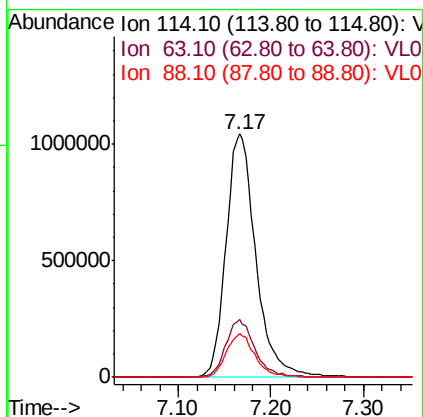
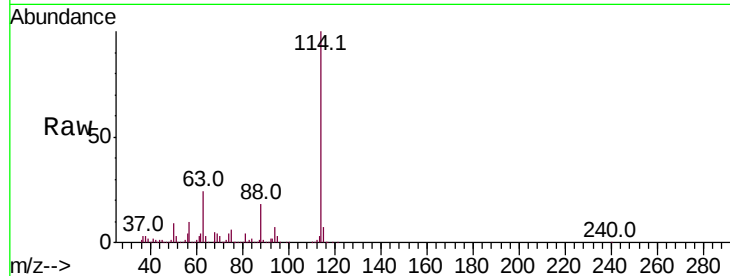




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 17 Dec 2021 9:16

Tot Ion:114 Resp: 2331008

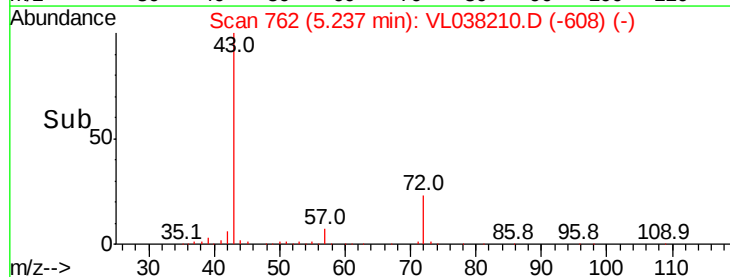
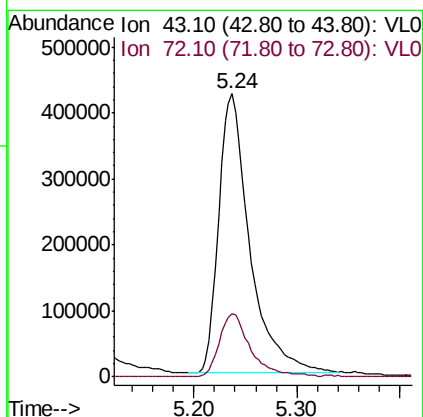
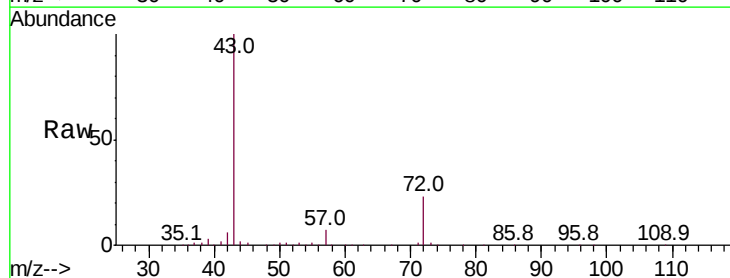
Ion	Ratio	Lower	Upper
114	100		
63	23.6	19.7	29.5
88	17.5	14.4	21.6

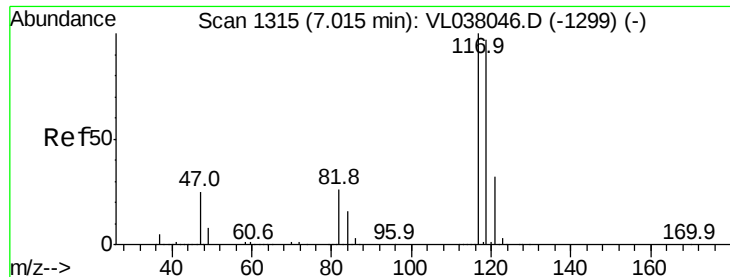


#34
 2-Butanone
 Concen: 9.443 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T.: -0.01 min
 Lab File: VL038210.D
 Acq: 17 Dec 2021 9:16

Tgt Ion: 43 Resp: 887570

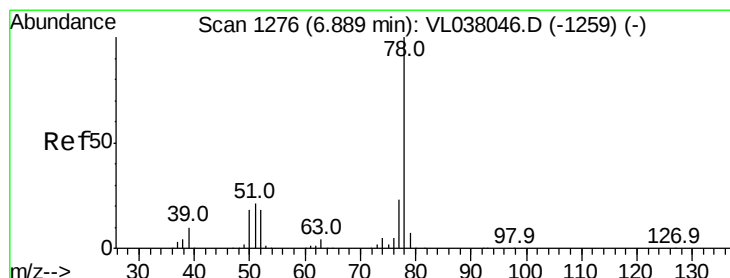
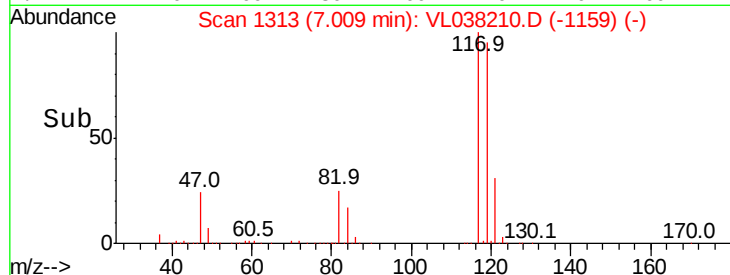
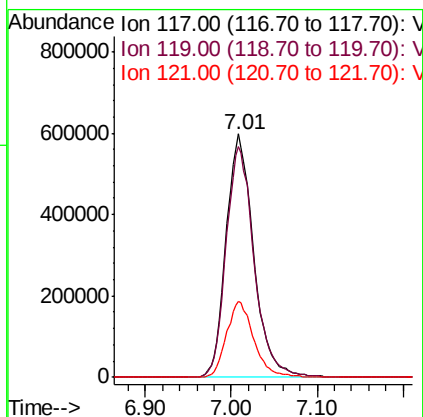
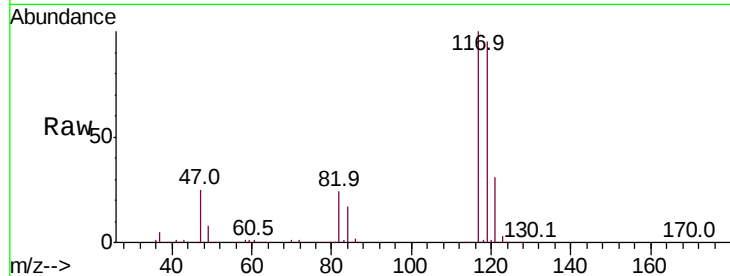
Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.8	28.2





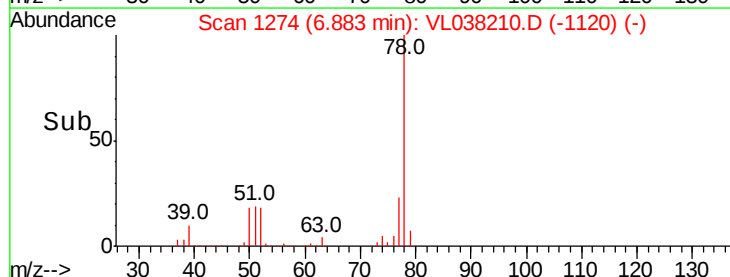
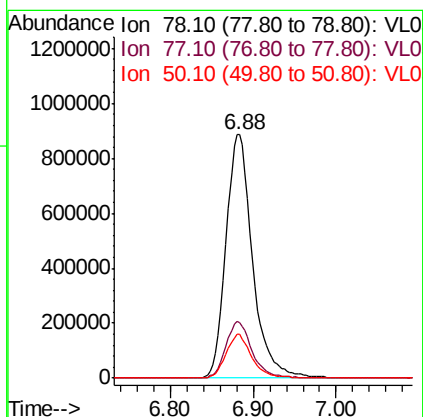
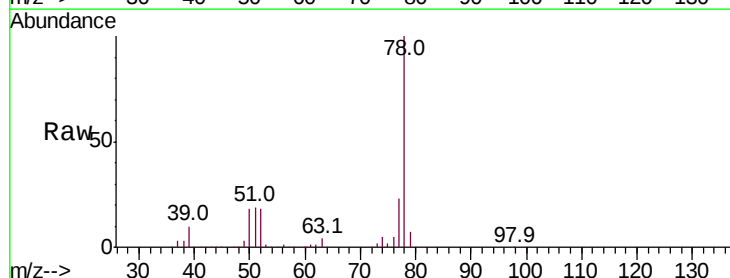
#35
Carbon Tetrachloride
Concen: 8.150 ppbv
RT: 7.01
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Dec 2021 9:16

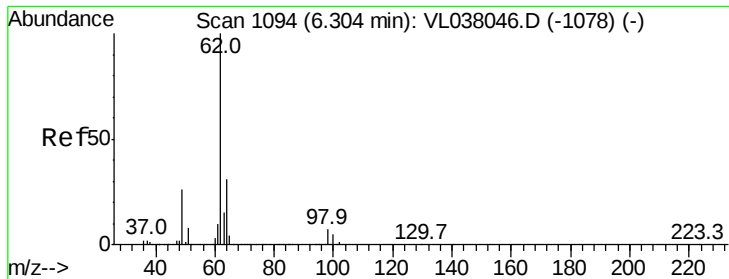
Tot Ion: 117 Resp: 1334740
Ion Ratio Lower Upper
117 100
119 95.0 77.7 116.5
121 31.0 25.6 38.4



#36
Benzene
Concen: 8.496 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL038210.D
Acq: 17 Dec 2021 9:16

Tgt Ion: 78 Resp: 1975544
Ion Ratio Lower Upper
78 100
77 22.5 18.2 27.4
50 18.0 14.7 22.1





#37

1,2-Dichloroethane

Concen: 8.702 ppbv

RT: 6.30 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

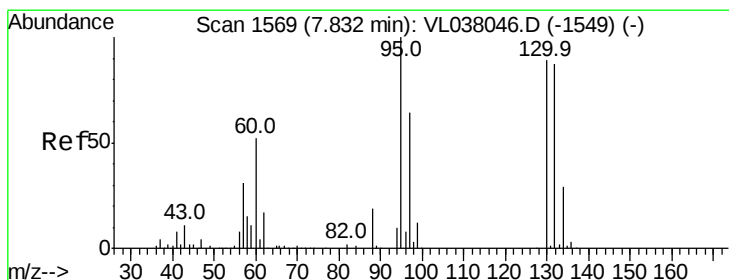
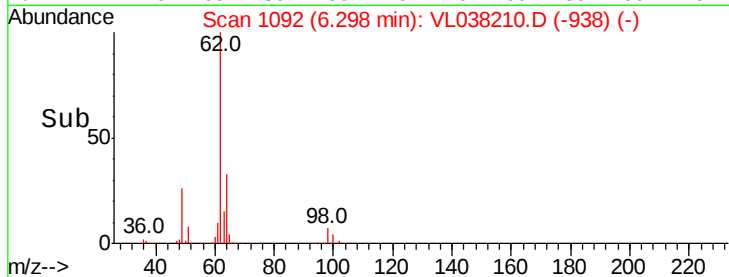
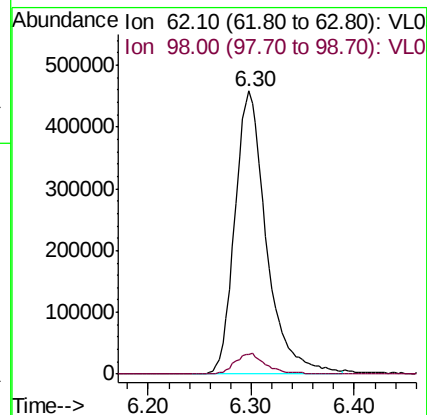
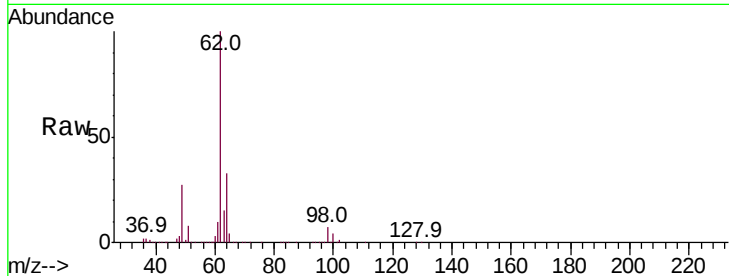
Acq: 17 Dec 2021 9:16

Tot Ion: 62 Resp: 977228

Ion Ratio Lower Upper

62 100

98 7.4 5.8 8.6



#38

Trichloroethene

Concen: 8.509 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VL038210.D

Acq: 17 Dec 2021 9:16

Tgt Ion: 130 Resp: 746343

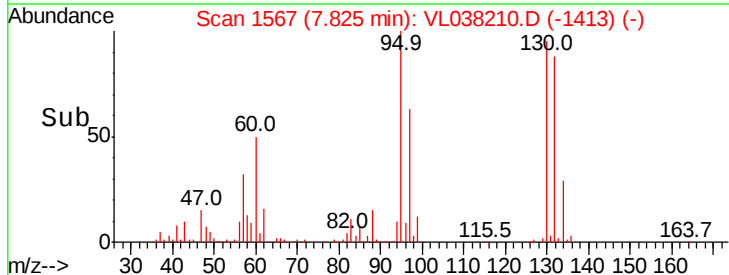
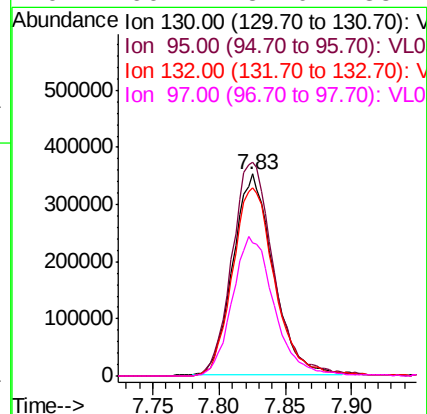
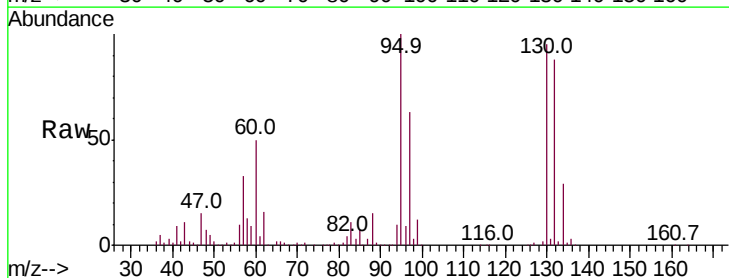
Ion Ratio Lower Upper

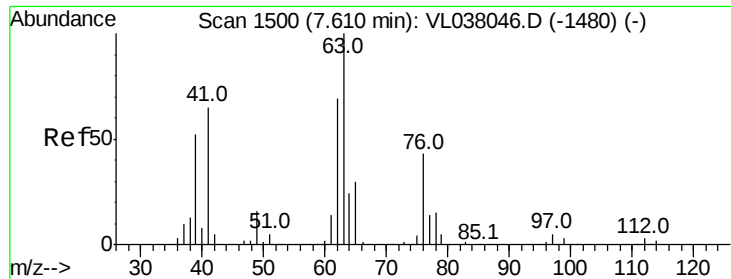
130 100

95 106.1 89.4 134.2

132 93.7 78.2 117.2

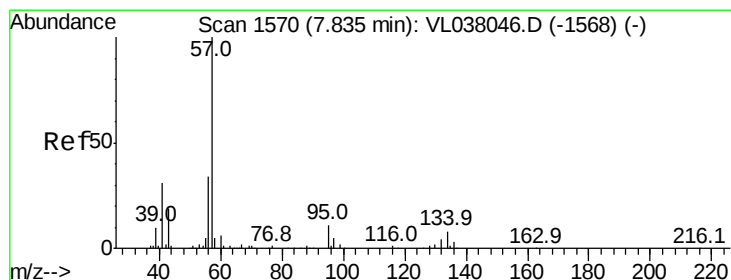
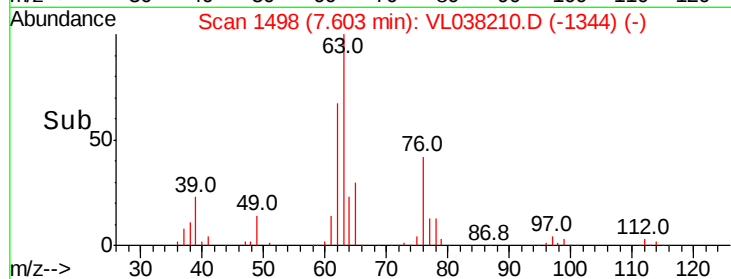
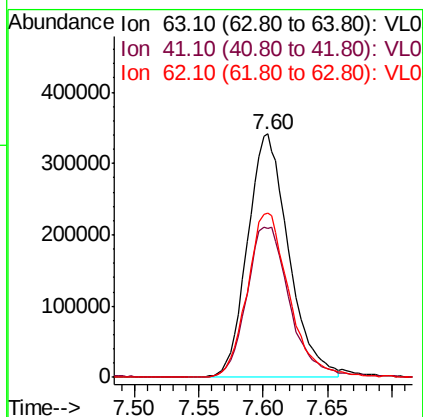
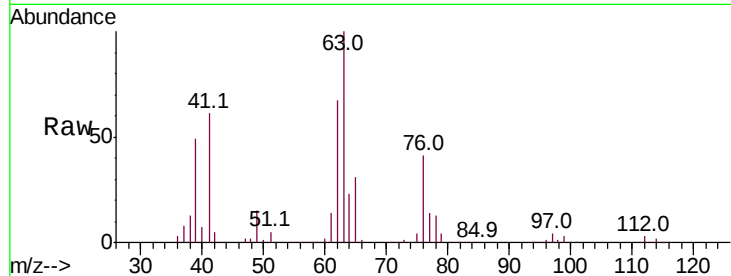
97 66.2 57.0 85.4





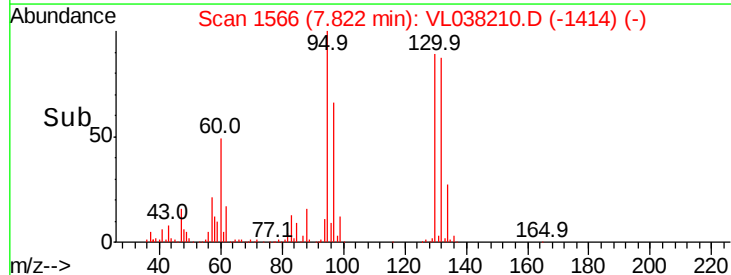
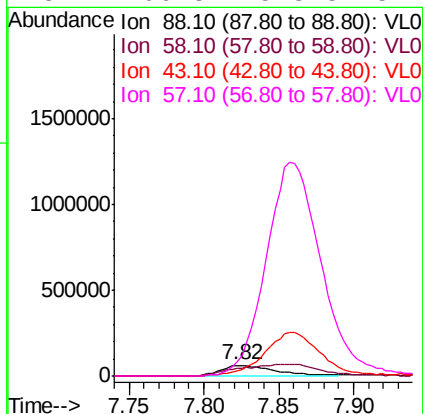
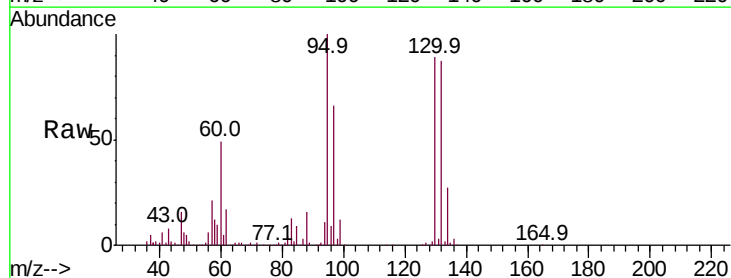
#39
 1,2-Dichloropropane
 Concen: 8.482 ppbv
 RT: 7.60
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 17 Dec 2021 9:16

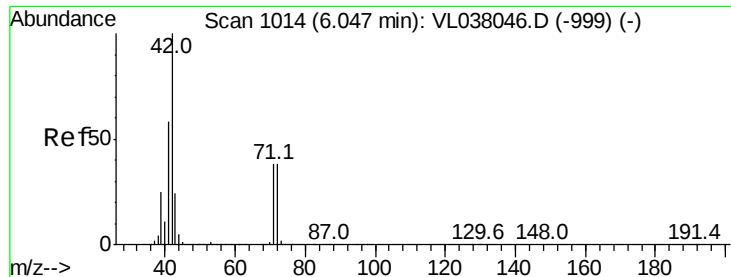
Tot Ion	Ratio	Lower	Upper
63	100		
41	61.3	52.3	78.5
62	67.3	55.1	82.7



#40
 1,4-Dioxane
 Concen: 6.556 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VL038210.D
 Acq: 17 Dec 2021 9:16

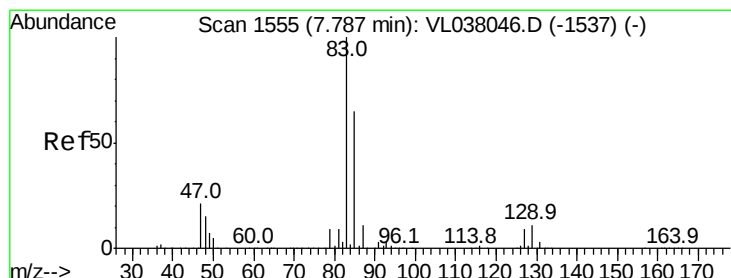
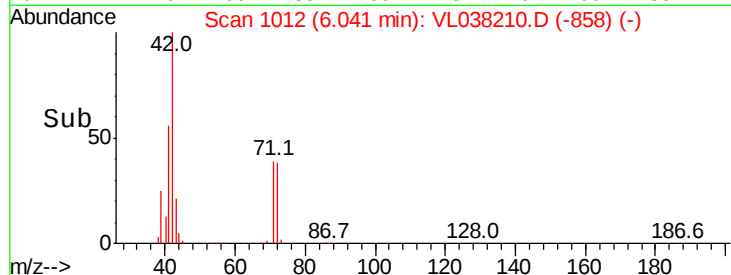
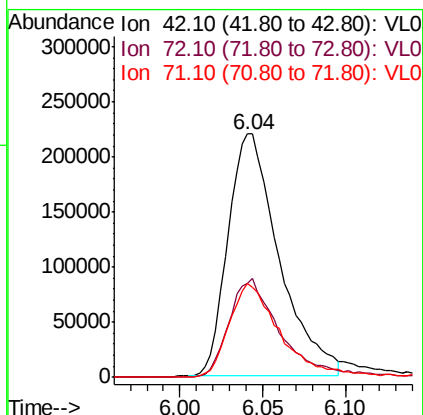
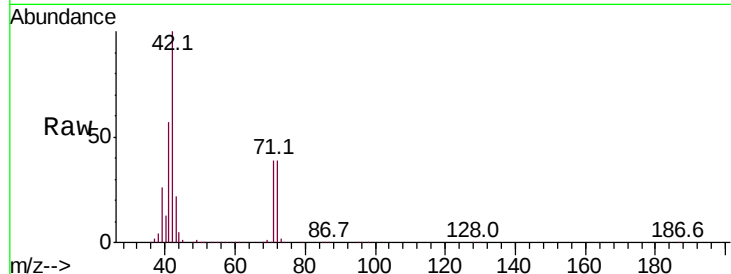
Tgt Ion	Ratio	Lower	Upper
88	100		
58	174.9	229.2	343.8#
43	449.7	553.3	829.9#
57	2106.8	2513.8	3770.8#





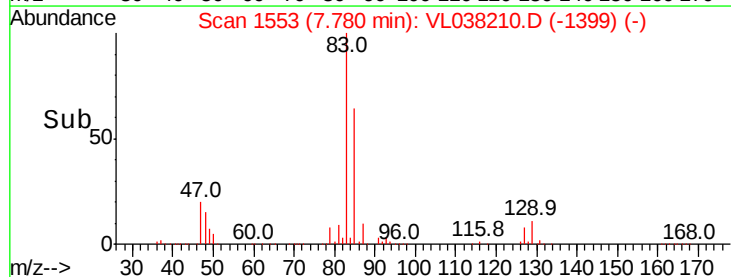
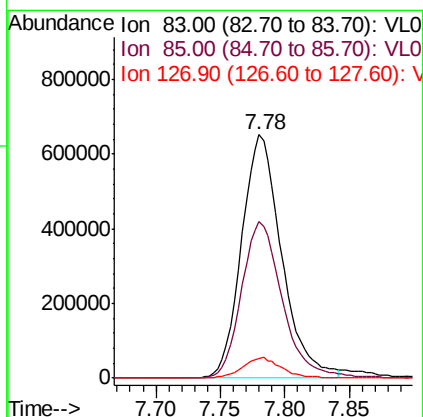
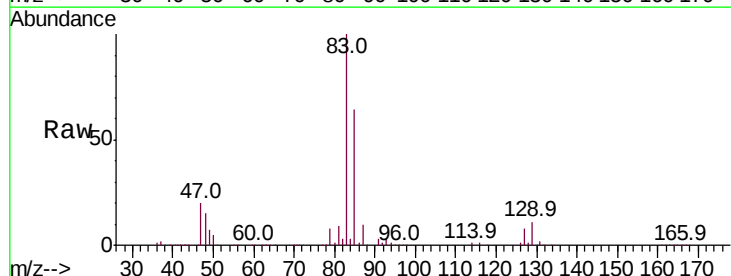
#41
Tetrahydrofuran
Concen: 8.111 ppbv
RT: 6.04
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 17 Dec 2021 9:16

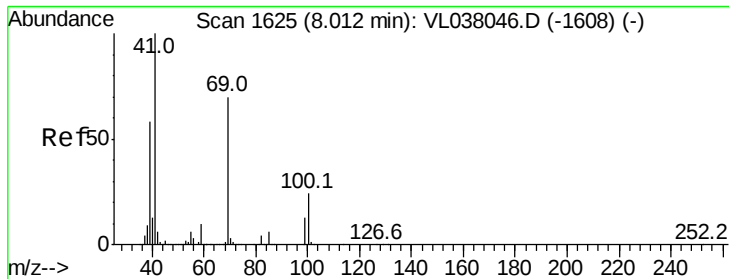
Tot Ion: 42 Resp: 473252
Ion Ratio Lower Upper
42 100
72 41.4 31.7 47.5
71 39.7 30.6 46.0



#42
Bromodichloromethane
Concen: 8.264 ppbv
RT: 7.78 min Scan# 1553
Delta R.T.: -0.01 min
Lab File: VL038210.D
Acq: 17 Dec 2021 9:16

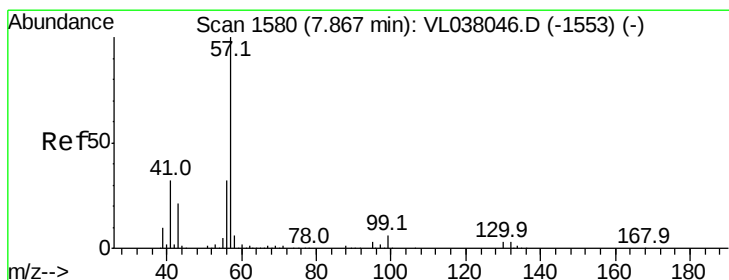
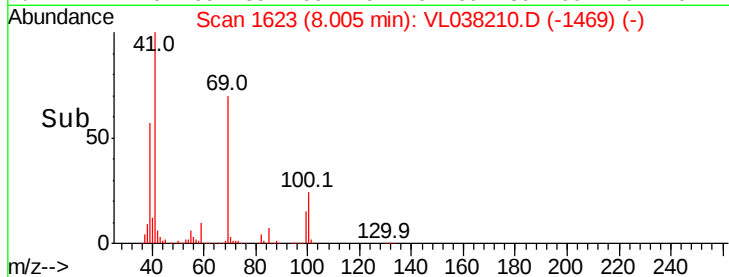
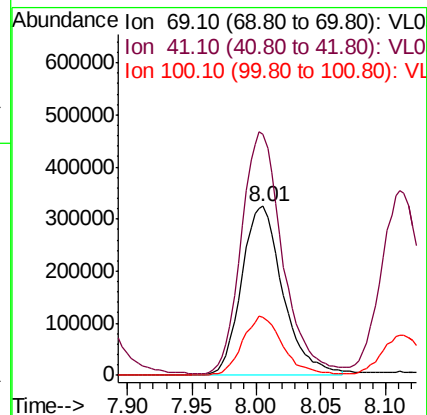
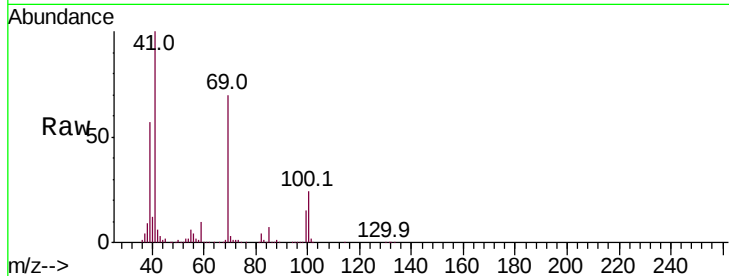
Tgt Ion: 83 Resp: 1410956
Ion Ratio Lower Upper
83 100
85 64.3 51.9 77.9
127 8.3 6.8 10.2





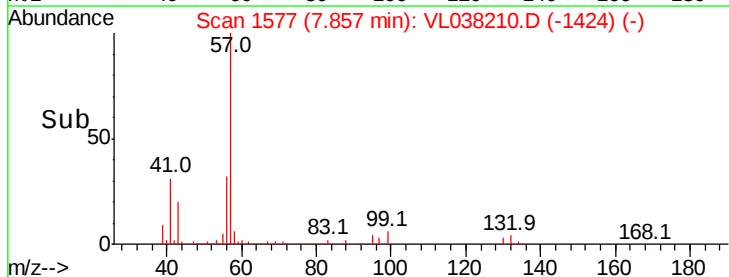
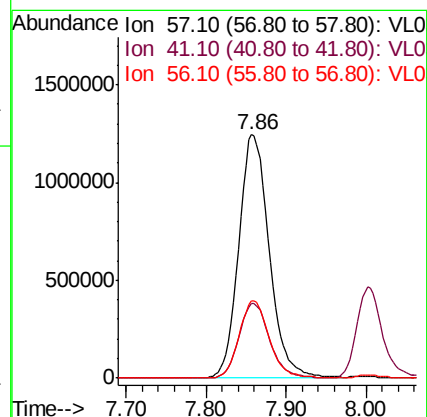
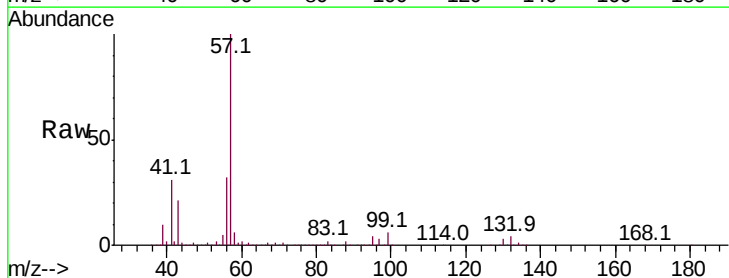
#43
Methvl Methacrylate
Concen: 9.123 ppbv
RT: 8.01
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Dec 2021 9:16

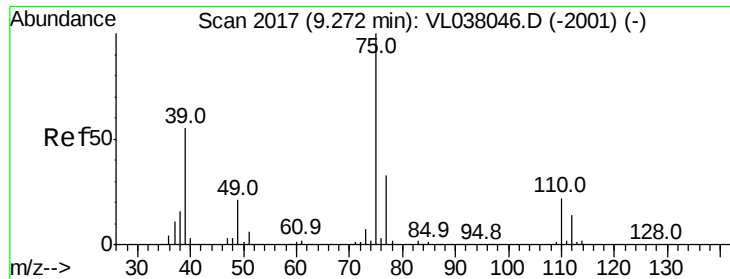
Tot Ion: 69 Resp: 725715
Ion Ratio Lower Upper
69 100
41 143.3 116.7 175.1
100 34.5 27.3 40.9



#44
2,2,4-Trimethylpentane
Concen: 8.248 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.01 min
Lab File: VL038210.D
Acq: 17 Dec 2021 9:16

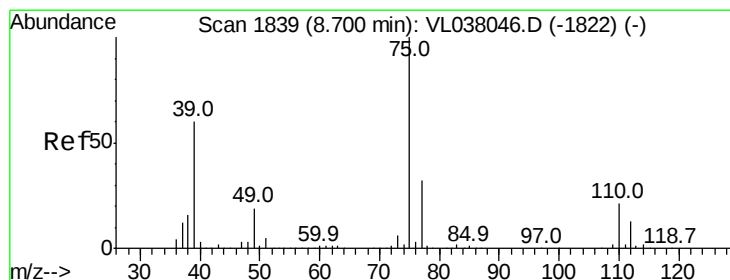
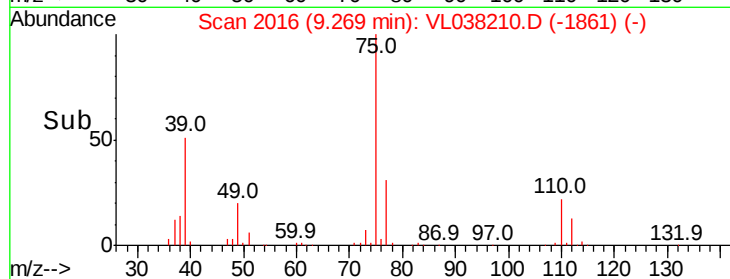
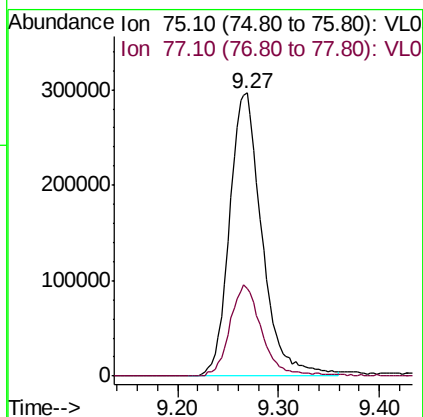
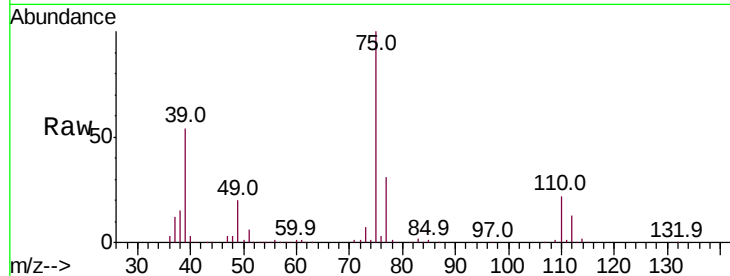
Tgt Ion: 57 Resp: 3208768
Ion Ratio Lower Upper
57 100
41 30.7 25.8 38.6
56 31.2 25.6 38.4





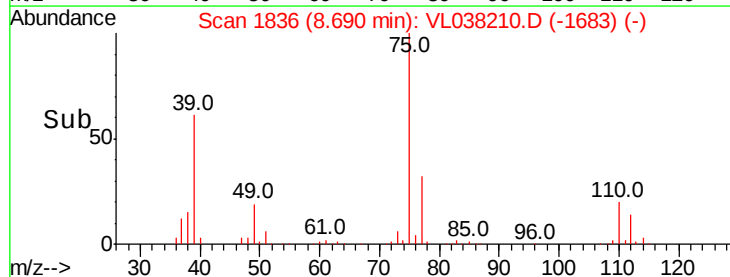
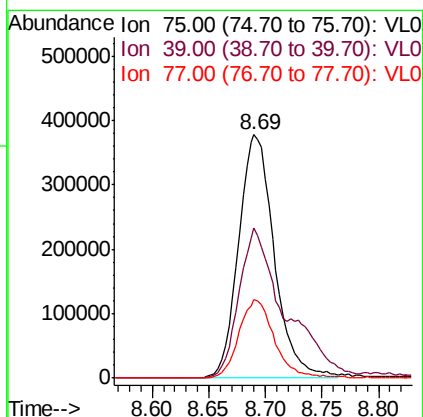
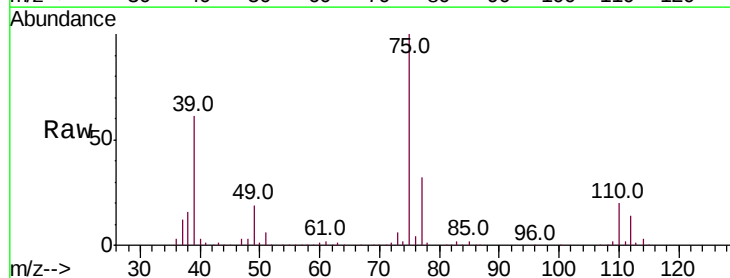
#45
 t-1,3-Dichloropropene
 Concen: 10.400 ppbv
 RT: 9.27
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 Dec 2021 9:16

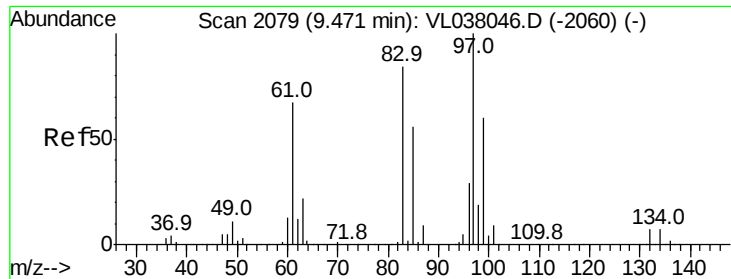
Tot Ion: 75 Resp: 663627
 Ion Ratio Lower Upper
 75 100
 77 31.0 26.2 39.4



#46
 cis-1,3-Dichloropropene
 Concen: 9.627 ppbv
 RT: 8.69 min Scan# 1836
 Delta R.T. -0.01 min
 Lab File: VL038210.D
 Acq: 17 Dec 2021 9:16

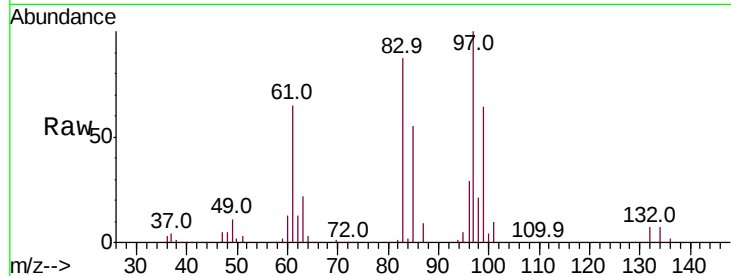
Tgt Ion: 75 Resp: 830840
 Ion Ratio Lower Upper
 75 100
 39 61.3 47.8 71.8
 77 32.3 25.5 38.3





#47
 1,1,2-Trichloroethane
 Concen: 8.543 ppbv
 RT: 9.46 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 Dec 2021 9:16

Tot Ion:	97	Resp:	798032
Ion	Ratio	Lower	Upper
97	100		
83	87.0	66.8	100.2
85	55.0	44.9	67.3
99	63.5	48.0	72.0



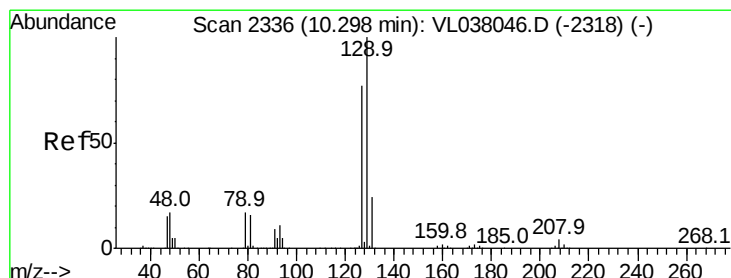
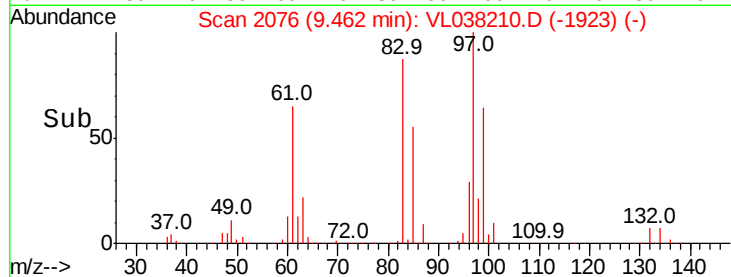
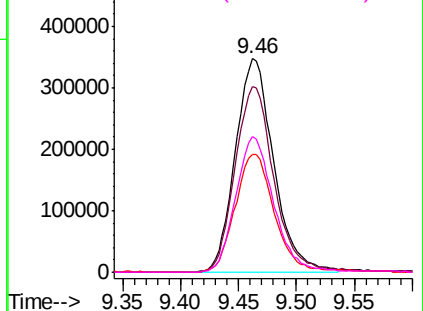
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

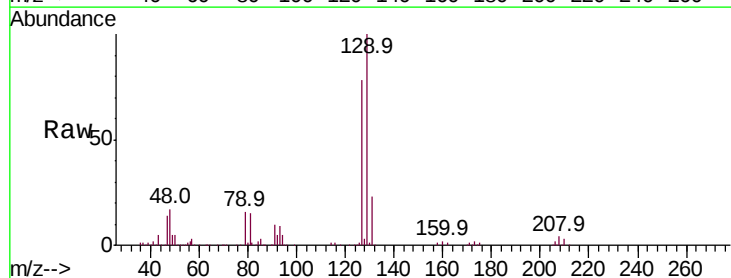
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 8.696 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.01 min
 Lab File: VL038210.D
 Acq: 17 Dec 2021 9:16

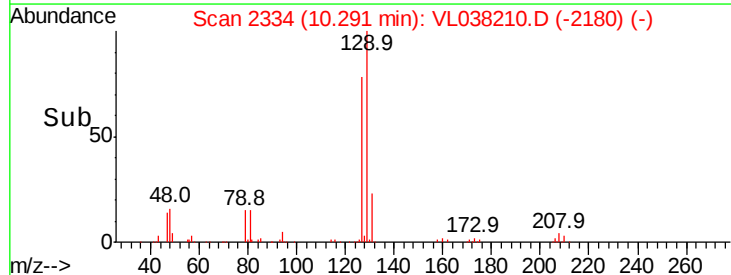
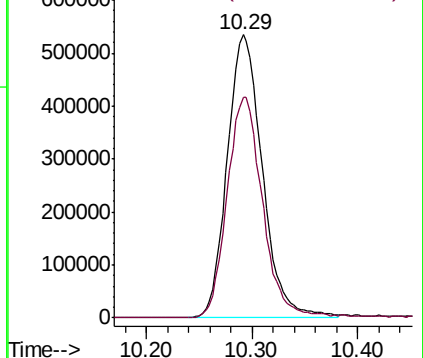
Tgt Ion:	129	Resp:	1237116
Ion	Ratio	Lower	Upper
129	100		
127	79.8	39.4	118.1

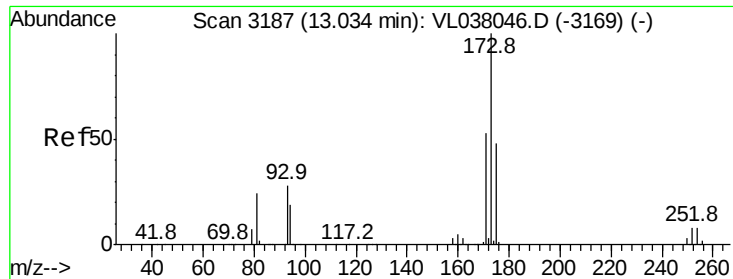


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 8.718 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File:

Acq: 17 Dec 2021 9:16

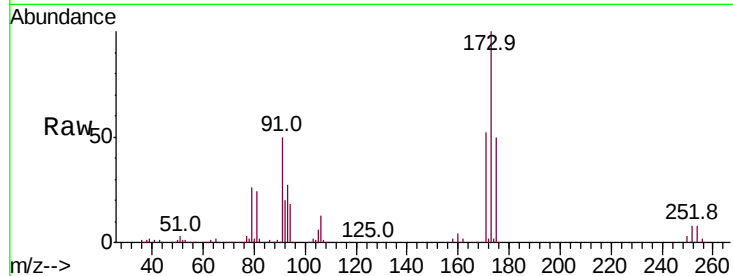
Tot Ion: 173 Resp: 887279

Ion Ratio Lower Upper

173 100

175 54.1 42.5 63.7

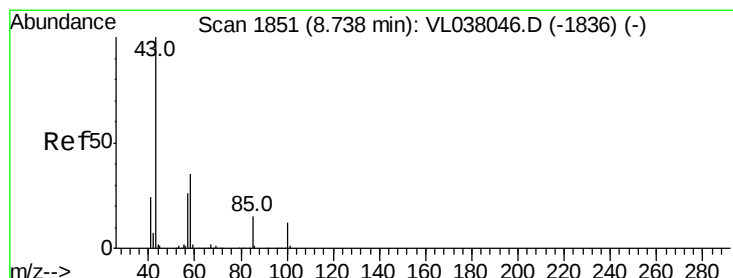
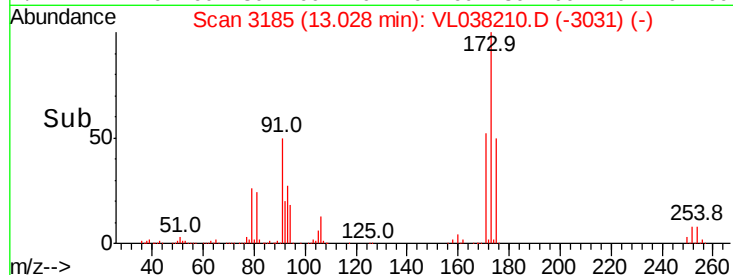
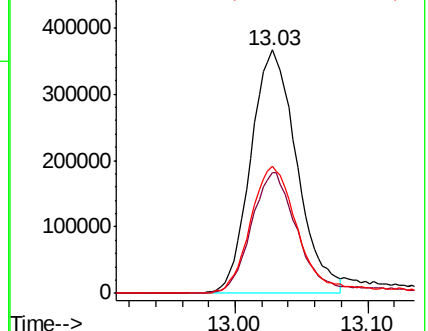
171 55.4 44.0 66.0



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: 9.130 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.01 min

Lab File: VL038210.D

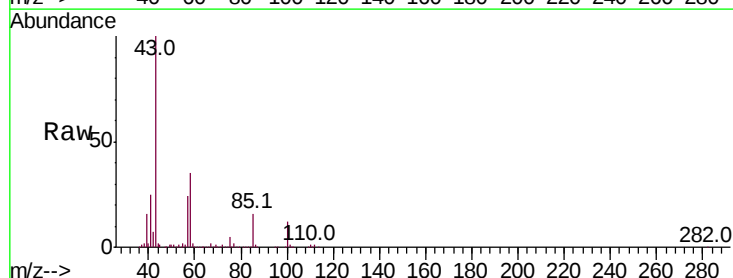
Acq: 17 Dec 2021 9:16

Tgt Ion: 43 Resp: 1303297

Ion Ratio Lower Upper

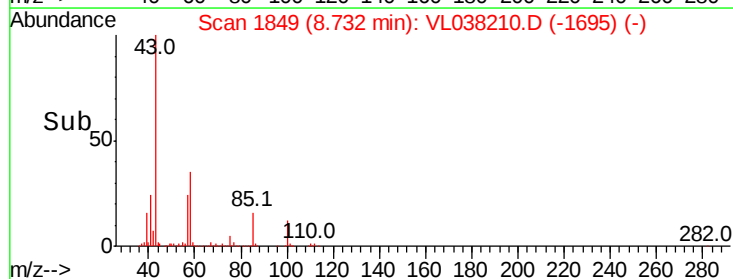
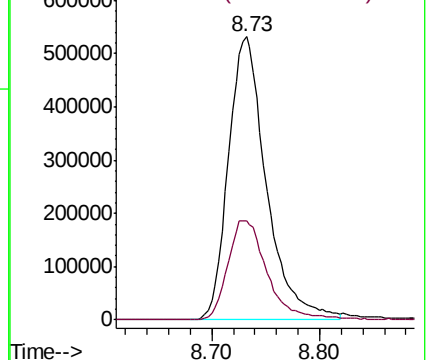
43 100

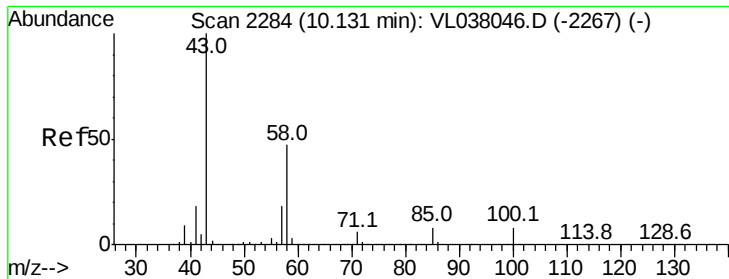
58 36.8 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.190 ppbv

RT: 10.12

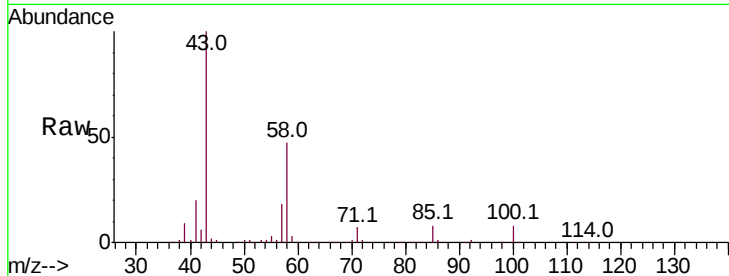
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

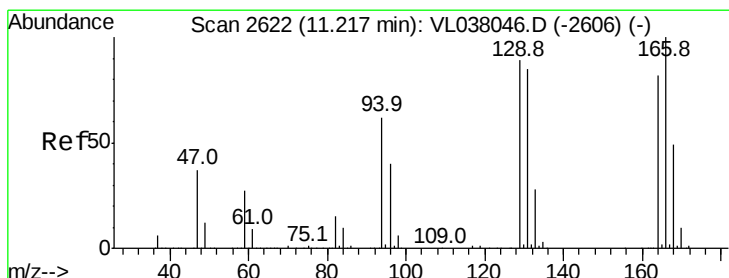
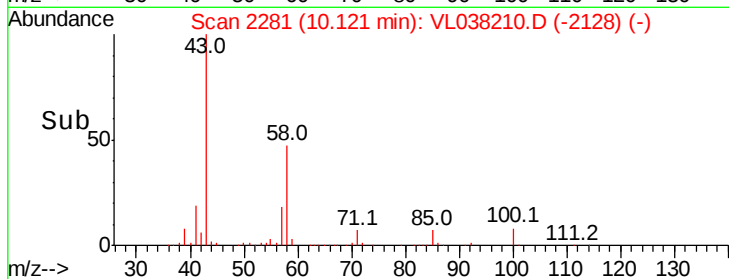
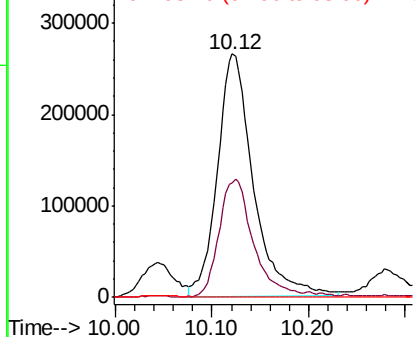
Acq: 17 Dec 2021 9:16

Tot Ion: 43 Resp: 684344

Ion	Ratio	Lower	Upper
43	100		
58	47.5	41.1	61.7
98	0.0	0.1	0.1#



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



#52

Tetrachloroethene

Concen: 8.056 ppbv

RT: 11.21 min Scan# 2620

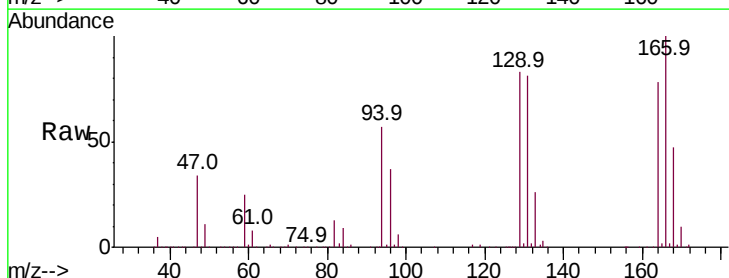
Delta R.T. -0.01 min

Lab File: VL038210.D

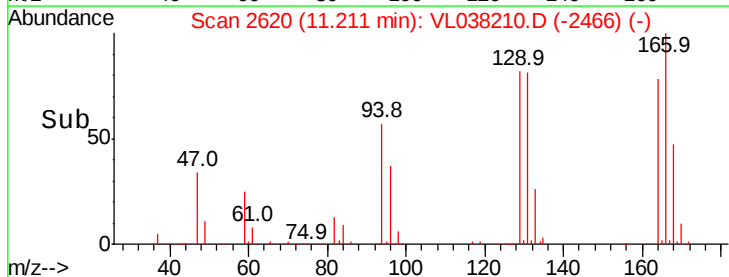
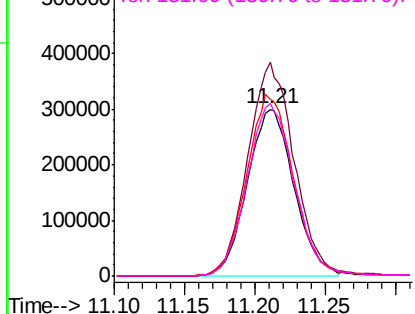
Acq: 17 Dec 2021 9:16

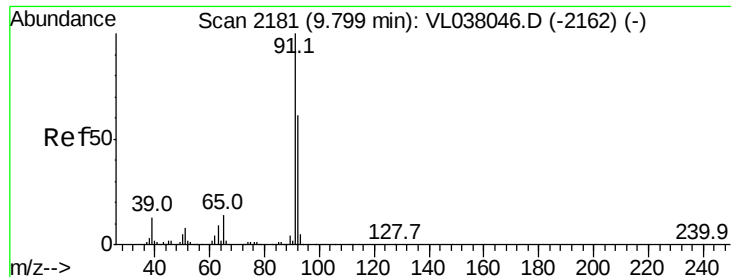
Tgt Ion:164 Resp: 693147

Ion	Ratio	Lower	Upper
164	100		
166	128.0	97.2	145.8
129	105.7	86.9	130.3
131	103.3	82.8	124.2



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





#53

Toluene

Concen: 8.571 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

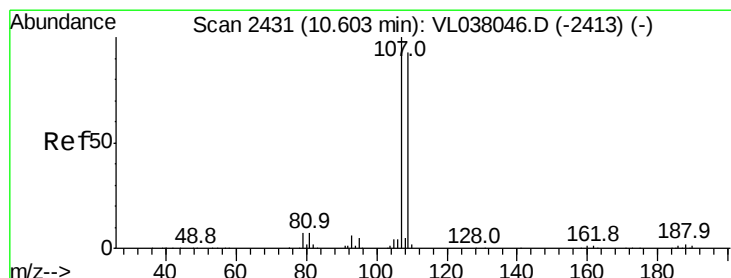
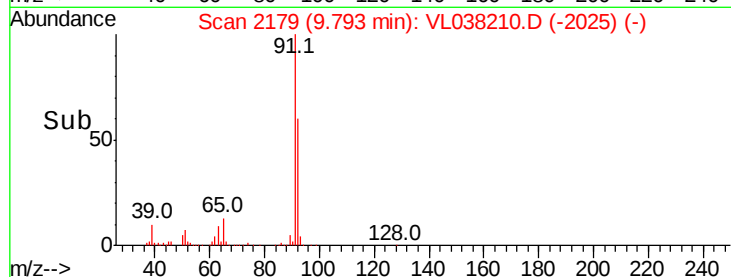
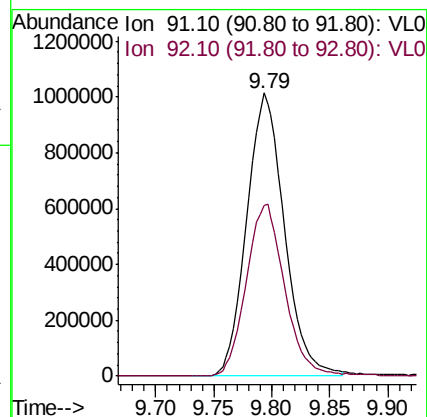
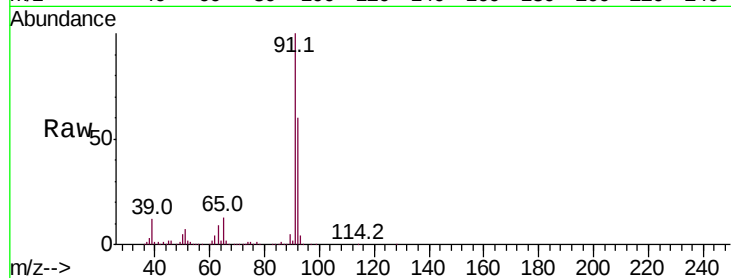
Acq: 17 Dec 2021 9:16

Tot Ion: 91 Resp: 2293080

Ion Ratio Lower Upper

91 100

92 62.3 49.7 74.5



#54

1,2-Dibromoethane

Concen: 8.834 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VL038210.D

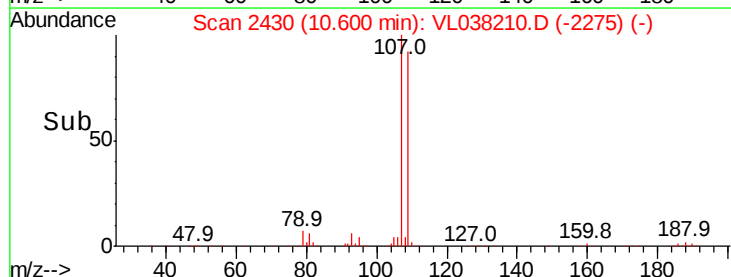
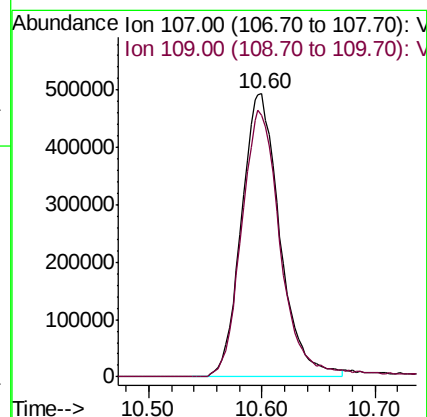
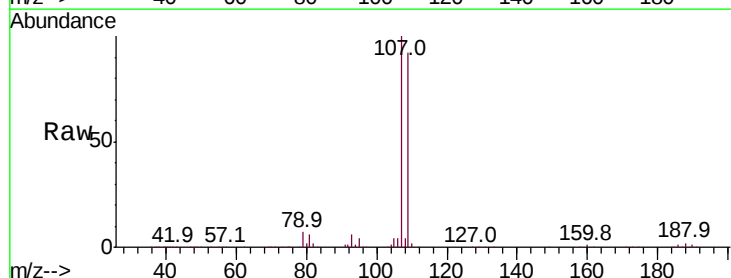
Acq: 17 Dec 2021 9:16

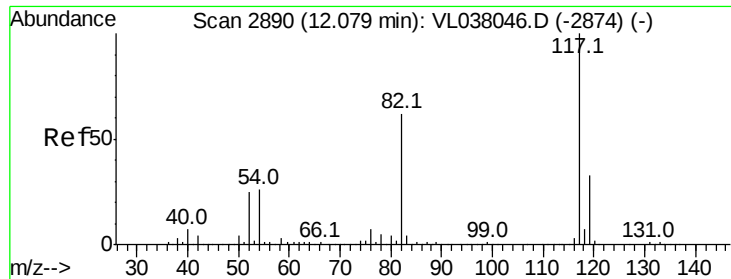
Tgt Ion: 107 Resp: 1165619

Ion Ratio Lower Upper

107 100

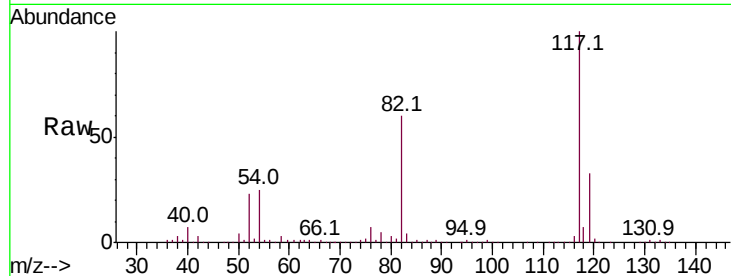
109 92.2 74.6 111.8



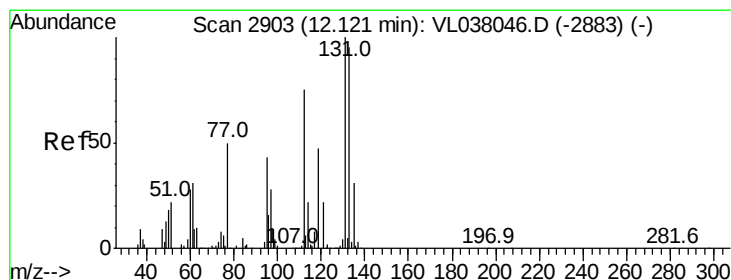
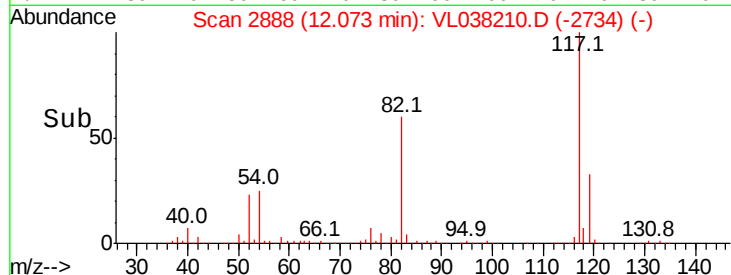
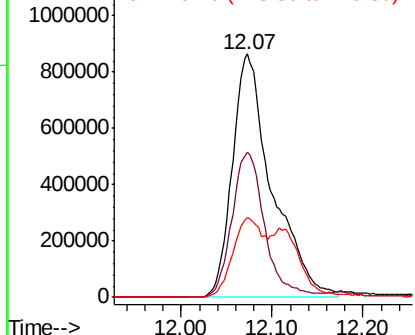


#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 17 Dec 2021 9:16

Tot Ion:117 Resp: 2618728
 Ion Ratio Lower Upper
 117 100
 82 49.9 52.8 79.2#
 119 27.1 26.8 40.2

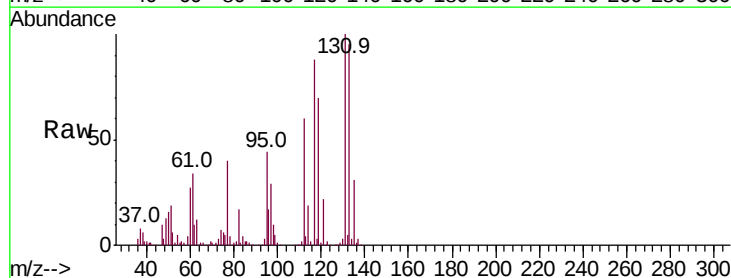


Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): VL0
 Ion 119.10 (118.80 to 119.80): V

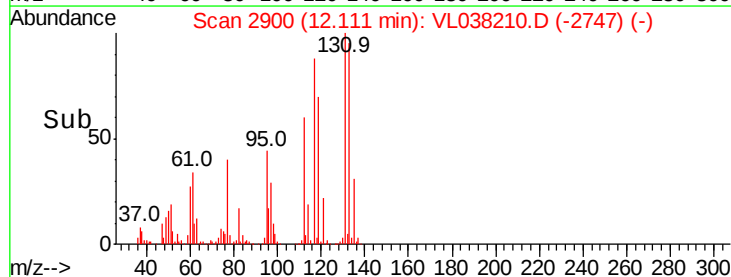
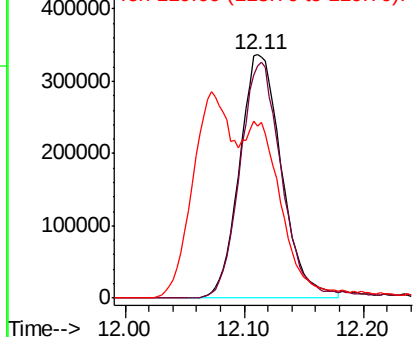


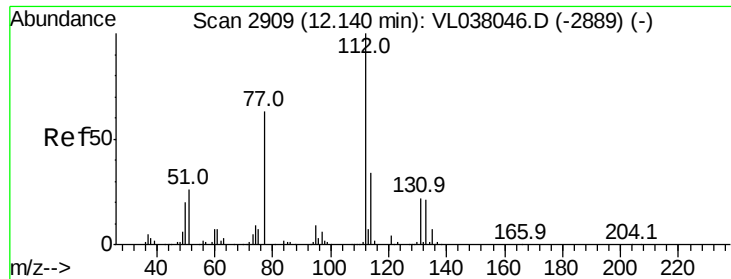
#56
 1,1,1,2-Tetrachloroethane
 Concen: 6.935 ppbv
 RT: 12.11 min Scan# 2900
 Delta R.T. -0.01 min
 Lab File: VL038210.D
 Acq: 17 Dec 2021 9:16

Tgt Ion:131 Resp: 824485
 Ion Ratio Lower Upper
 131 100
 133 98.1 78.8 118.2
 119 65.5 56.3 84.5



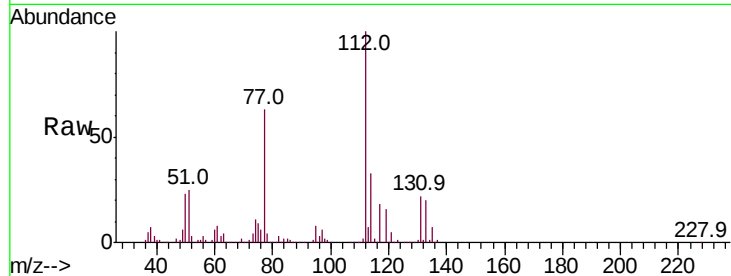
Abundance Ion 131.00 (130.70 to 131.70): V
 Ion 133.00 (132.70 to 133.70): V
 Ion 119.00 (118.70 to 119.70): V



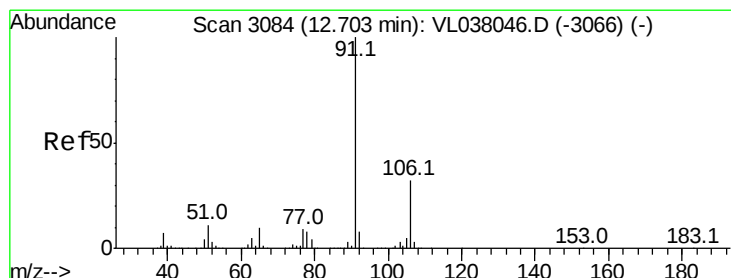
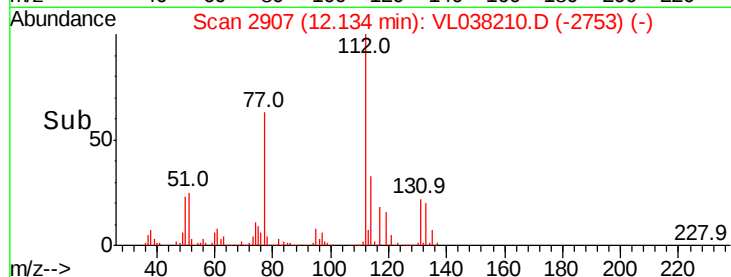
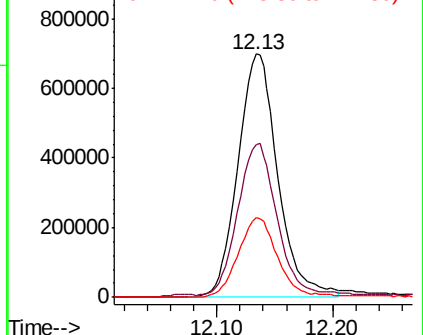


#57
Chlorobenzene
Concen: 7.100 ppbv
RT: 12.13 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 17 Dec 2021 9:16

Tot Ion: 112 Resp: 1666561
Ion Ratio Lower Upper
112 100
77 61.8 50.3 75.5
114 32.6 30.7 37.5

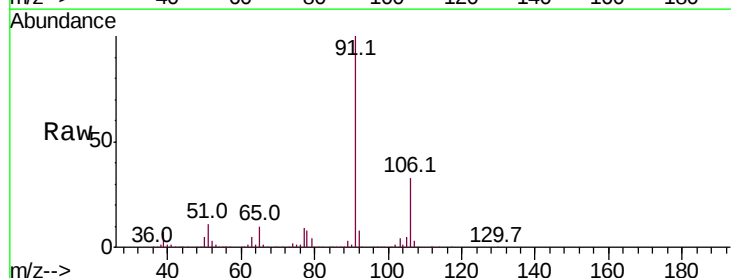


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

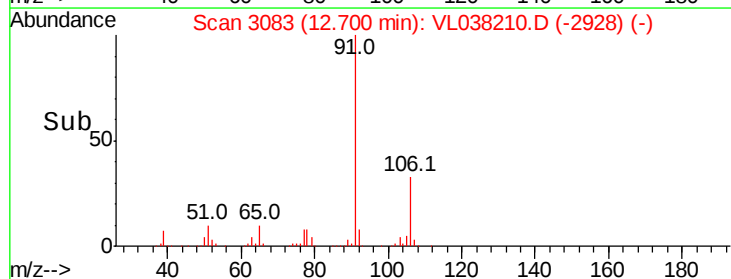
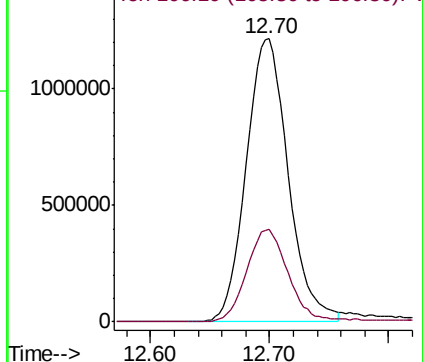


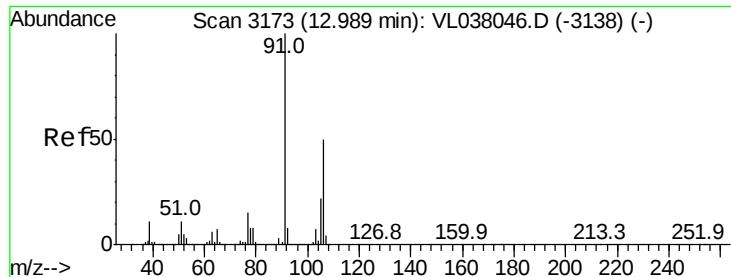
#58
Ethyl Benzene
Concen: 6.875 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. -0.00 min
Lab File: VL038210.D
Acq: 17 Dec 2021 9:16

Tgt Ion: 91 Resp: 2975813
Ion Ratio Lower Upper
91 100
106 32.7 25.8 38.6



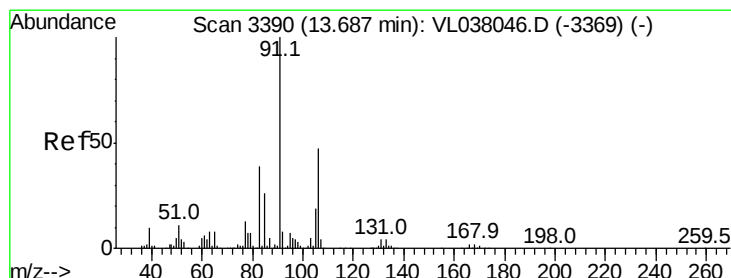
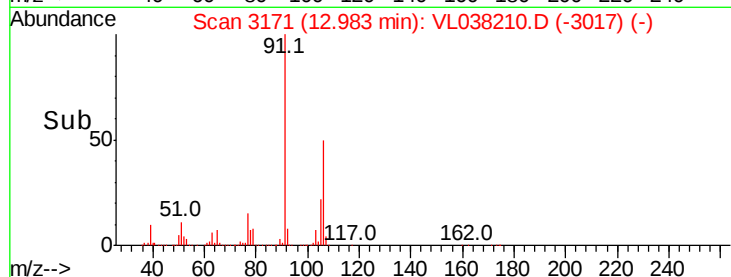
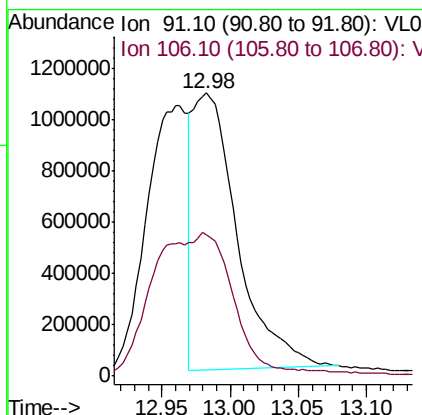
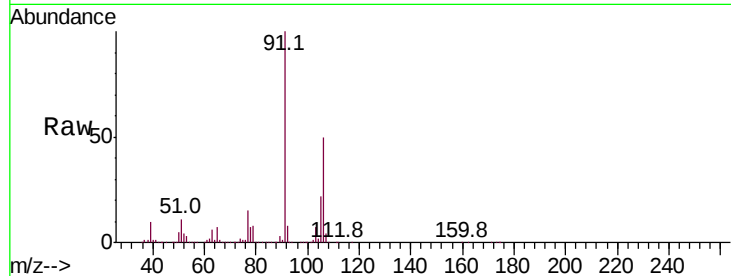
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





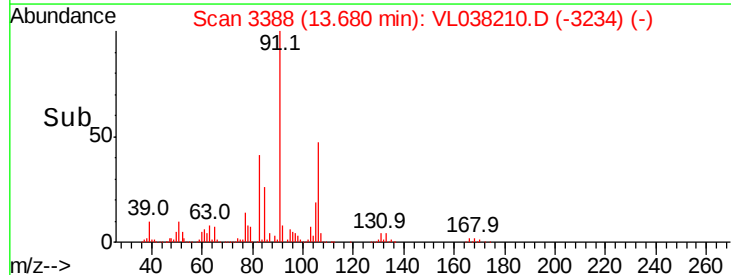
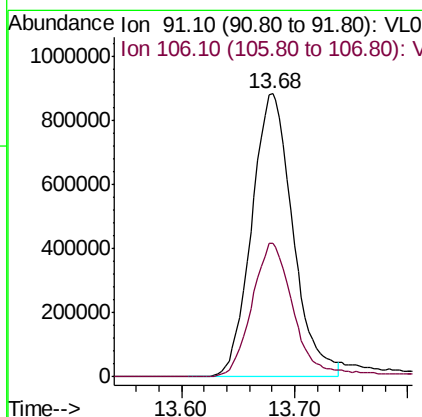
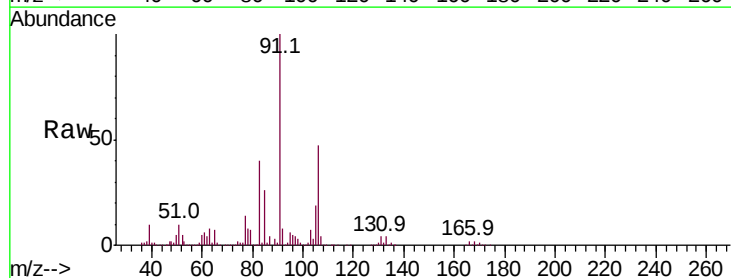
#59
m/p-Xylene
Concen: 6.706 ppbv
RT: 12.98 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 17 Dec 2021 9:16

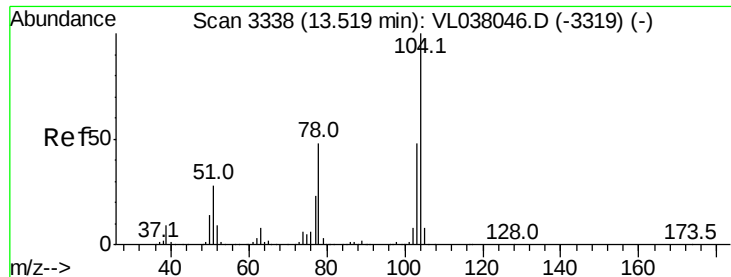
Tot Ion: 91 Resp: 2443261
Ion Ratio Lower Upper
91 100
106 97.3 38.1 57.1#



#60
o-Xylene
Concen: 6.608 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.01 min
Lab File: VL038210.D
Acq: 17 Dec 2021 9:16

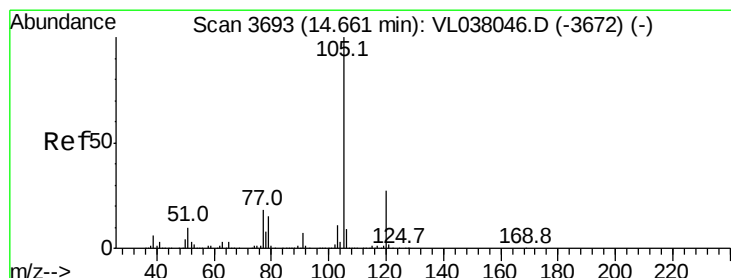
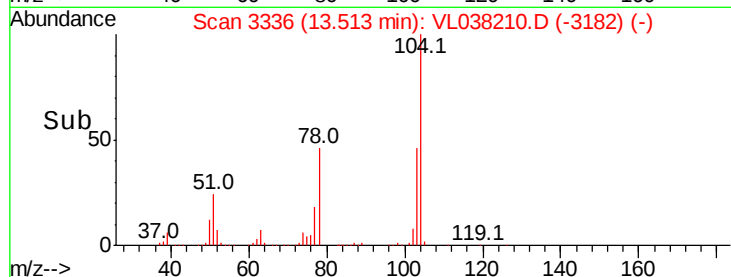
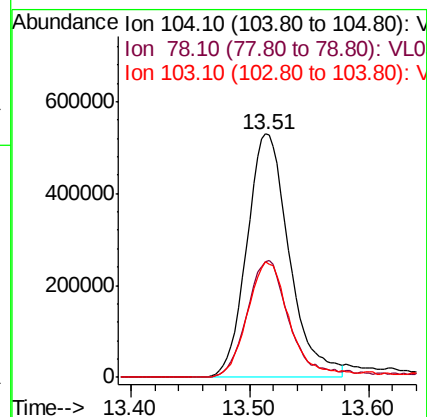
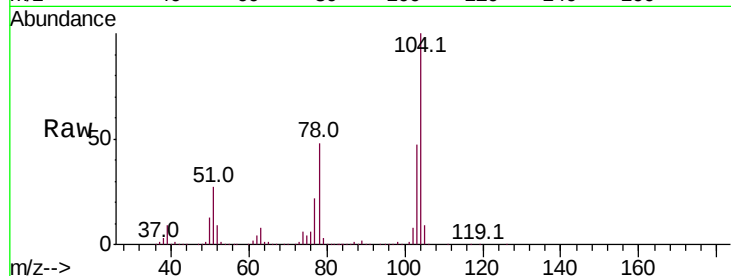
Tgt Ion: 91 Resp: 2233374
Ion Ratio Lower Upper
91 100
106 49.7 24.2 72.6





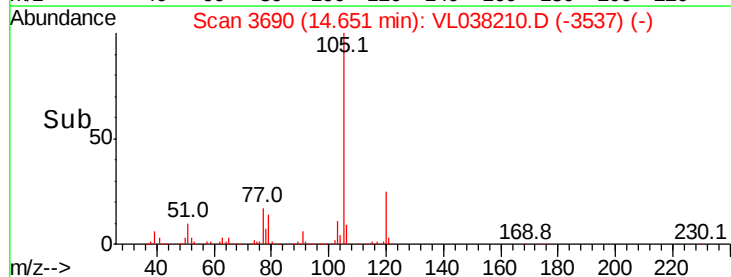
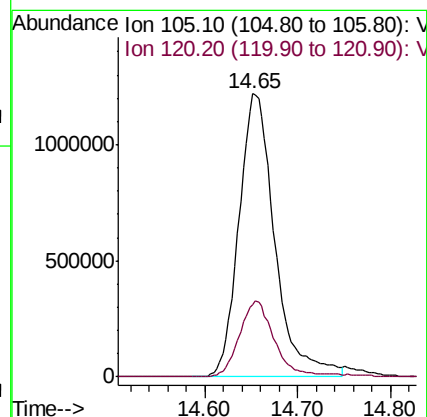
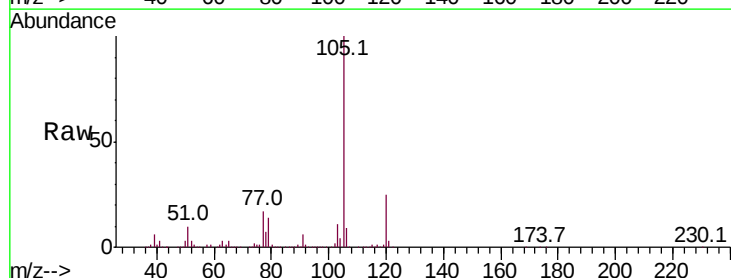
#61
Stvrene
Concen: 7.217 ppbv
RT: 13.51 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Dec 2021 9:16

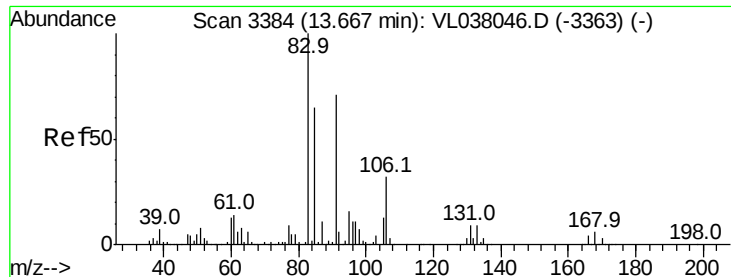
Tot Ion:104 Resp: 1307866
Ion Ratio Lower Upper
104 100
78 49.7 39.8 59.6
103 49.0 38.2 57.2



#62
Isopropylbenzene
Concen: 6.837 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. -0.01 min
Lab File: VL038210.D
Acq: 17 Dec 2021 9:16

Tgt Ion:105 Resp: 3280019
Ion Ratio Lower Upper
105 100
120 27.0 21.8 32.6





#63

1,1,2,2-Tetrachloroethane

Concen: 6.109 ppbv

RT: 13.66 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 17 Dec 2021 9:16

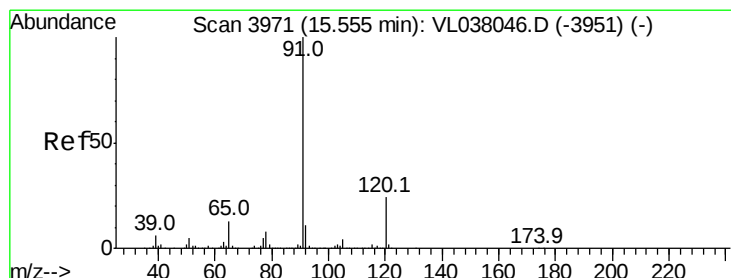
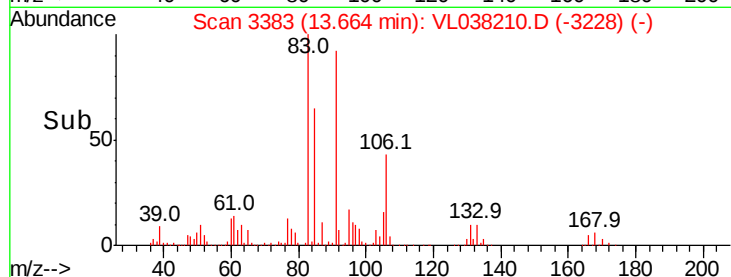
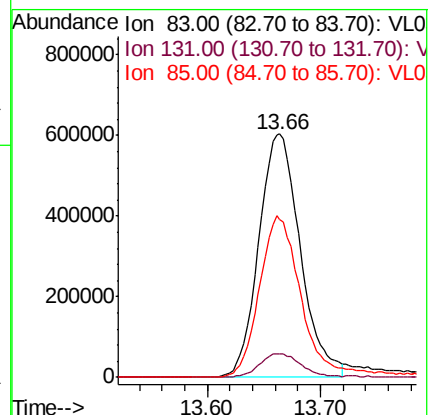
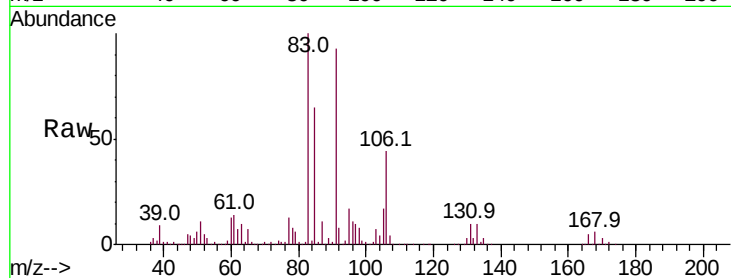
Tot Ion: 83 Resp: 1533599

Ion Ratio Lower Upper

83 100

131 10.4 4.9 14.7

85 69.2 33.4 100.1



#64

n-propylbenzene

Concen: 6.896 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. -0.01 min

Lab File: VL038210.D

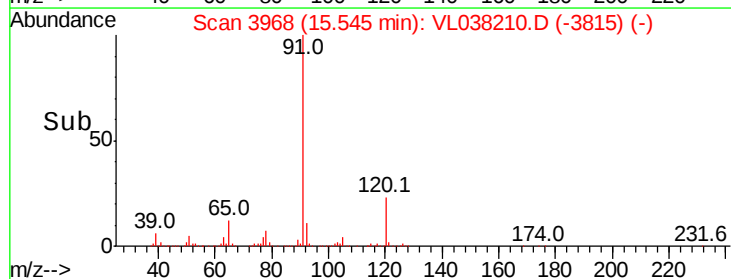
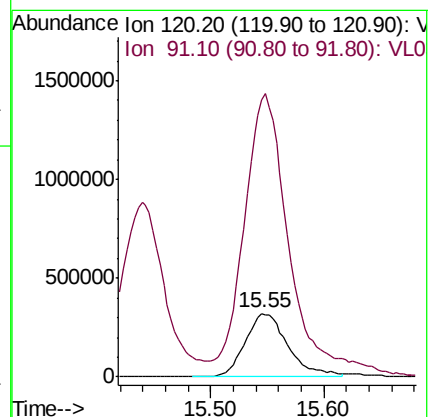
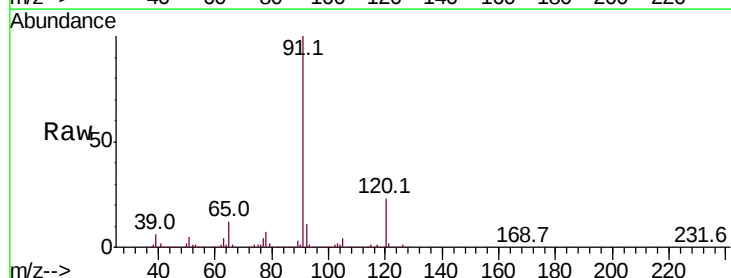
Acq: 17 Dec 2021 9:16

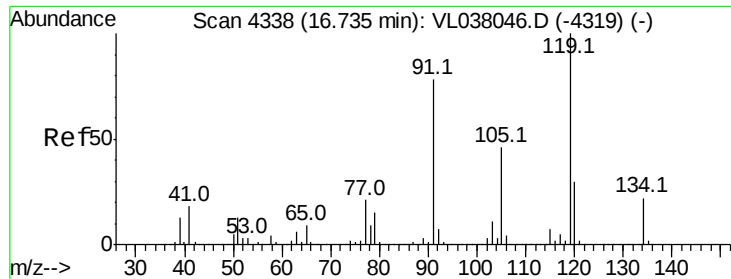
Tgt Ion:120 Resp: 842796

Ion Ratio Lower Upper

120 100

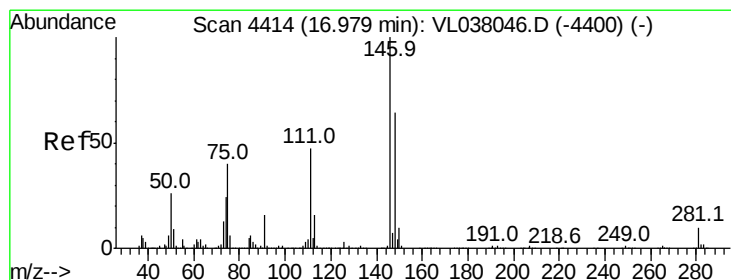
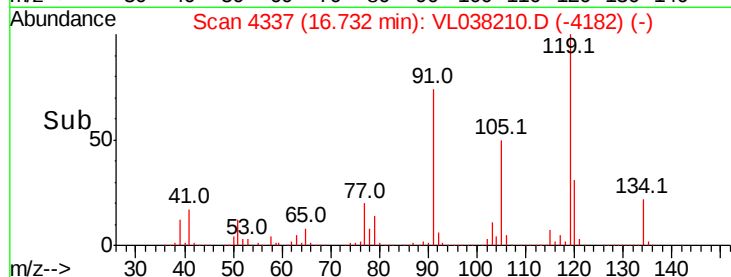
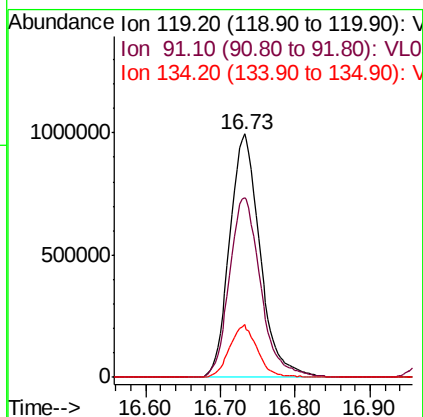
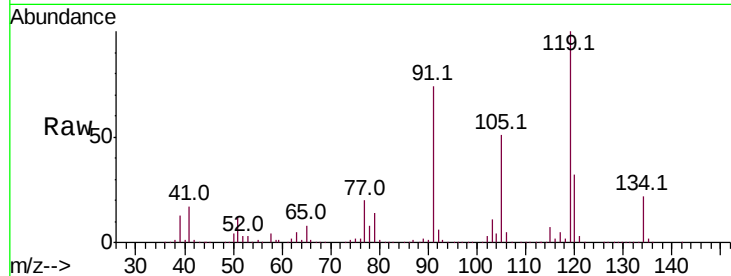
91 475.9 371.7 557.5





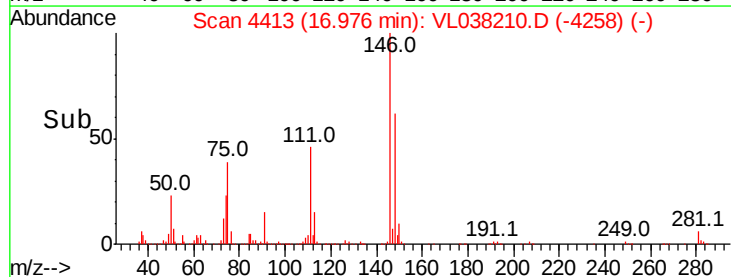
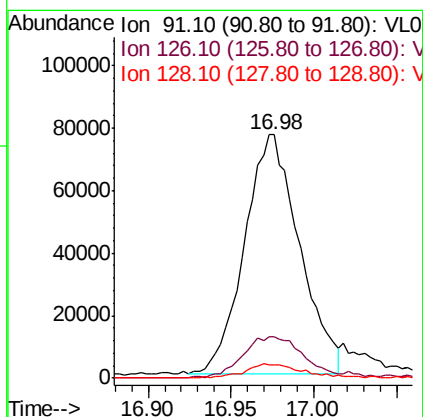
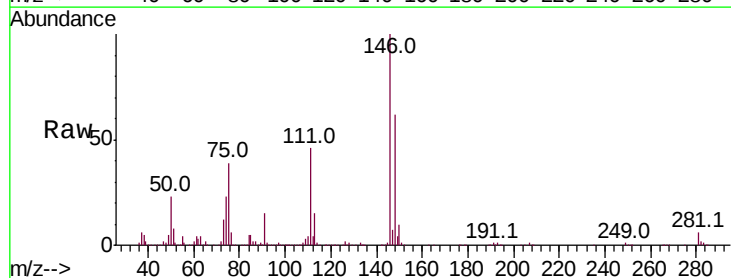
#65
 tert-Butylbenzene
 Concen: 6.658 ppbv
 RT: 16.73 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 17 Dec 2021 9:16

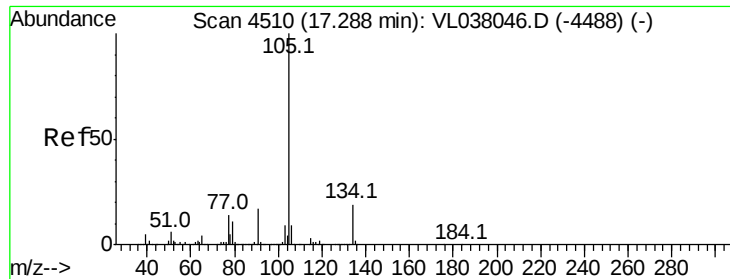
Tot Ion: 119 Resp: 2814478
 Ion Ratio Lower Upper
 119 100
 91 75.8 63.2 94.8
 134 19.8 16.1 24.1



#66
 Benzyl Chloride
 Concen: 8.221 ppbv
 RT: 16.98 min Scan# 4413
 Delta R.T.: -0.00 min
 Lab File: VL038210.D
 Acq: 17 Dec 2021 9:16

Tgt Ion: 91 Resp: 176105
 Ion Ratio Lower Upper
 91 100
 126 20.6 15.5 23.3
 128 6.2 5.6 8.4





#67

sec-Butylbenzene

Concen: 6.667 ppbv

RT: 17.28 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

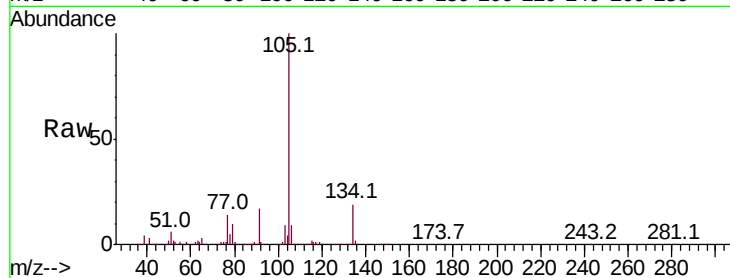
Acq: 17 Dec 2021 9:16

Tot Ion: 105 Resp: 3926680

Ion Ratio Lower Upper

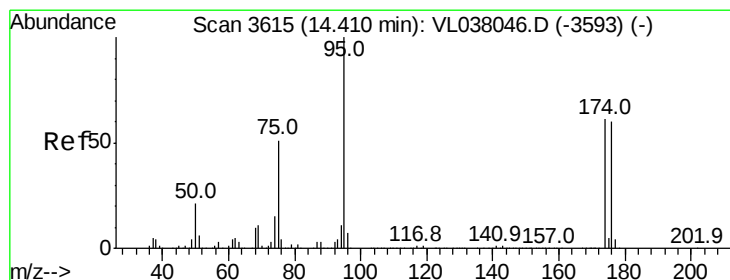
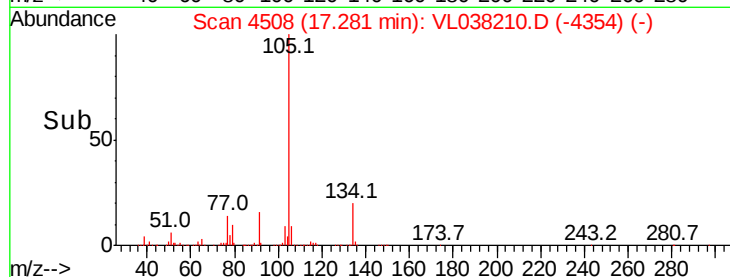
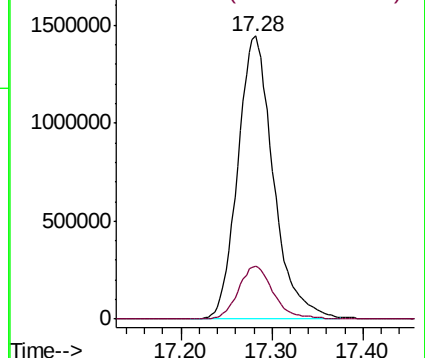
105 100

134 18.6 14.7 22.1



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: 8.032 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.01 min

Lab File: VL038210.D

Acq: 17 Dec 2021 9:16

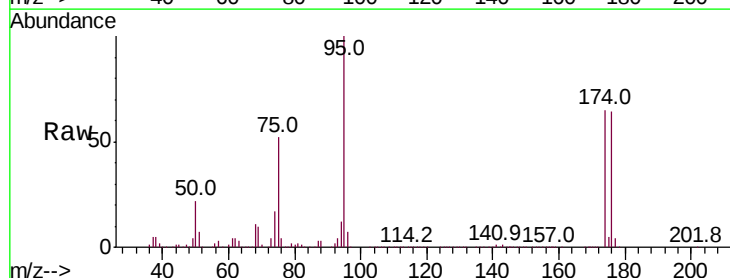
Tgt Ion: 95 Resp: 1517262

Ion Ratio Lower Upper

95 100

174 68.7 53.1 79.7

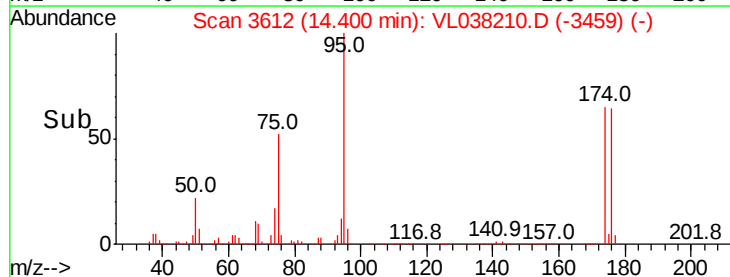
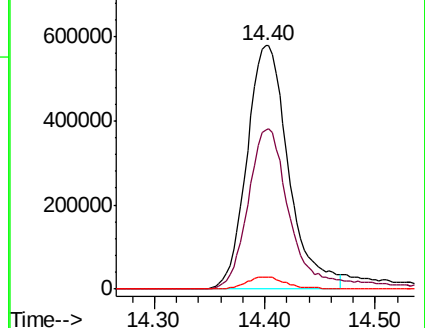
175 5.2 4.0 6.0

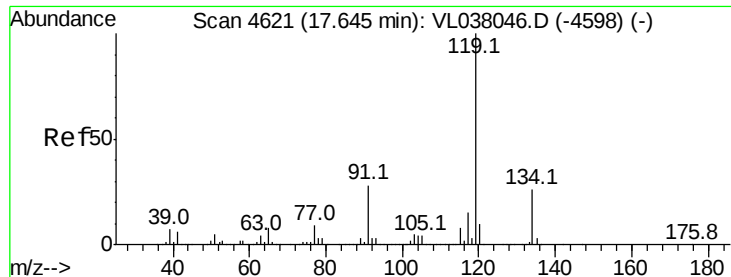


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

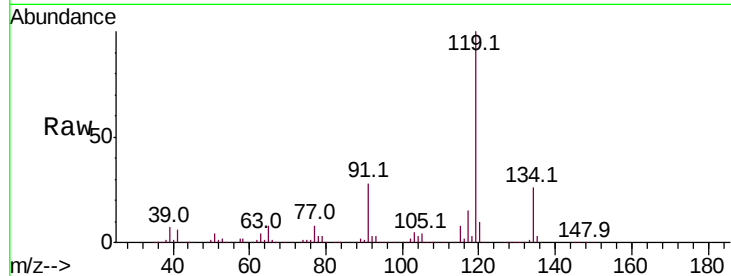
Ion 175.00 (174.70 to 175.70): V



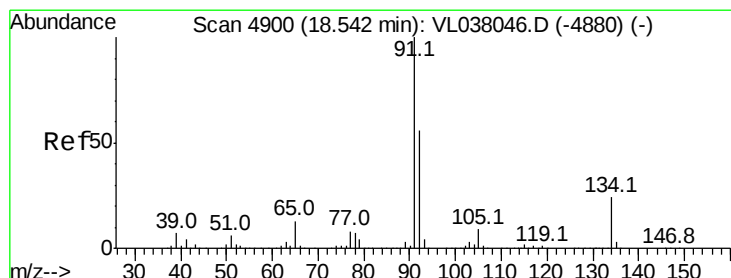
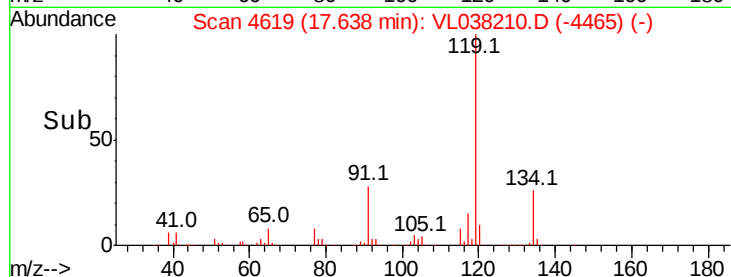
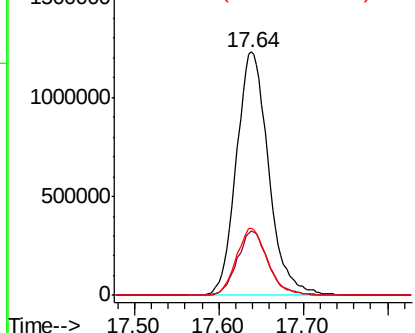


#69
 p-Isopropyltoluene
 Concen: 7.085 ppbv
 RT: 17.64 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 Dec 2021 9:16

Tot Ion: 119 Resp: 3264210
 Ion Ratio Lower Upper
 119 100
 134 25.6 20.6 30.8
 91 26.8 22.2 33.4

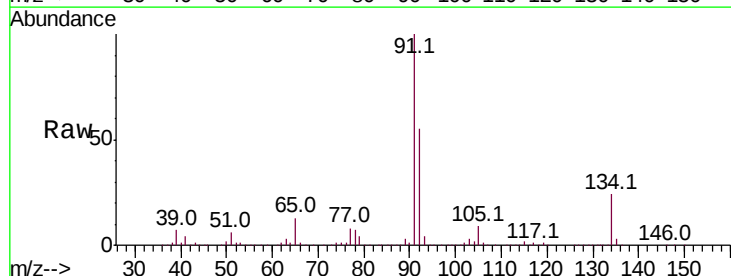


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

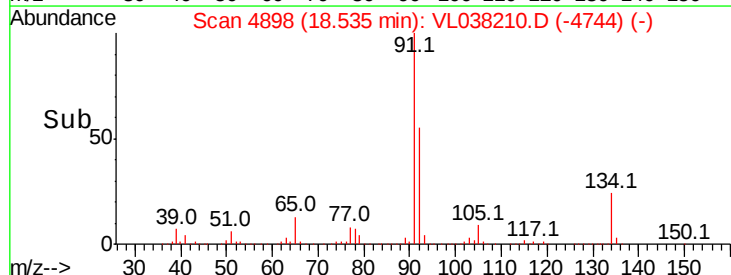
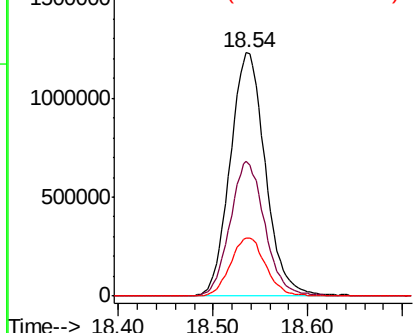


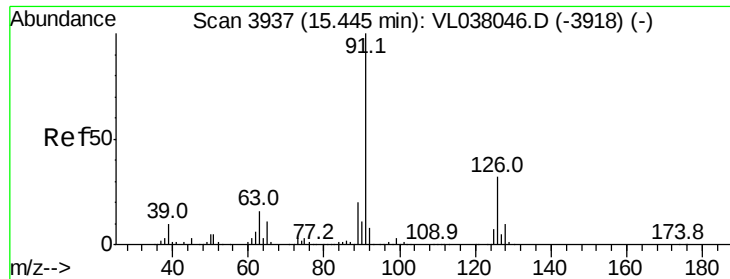
#70
 n-Butylbenzene
 Concen: 7.197 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. -0.01 min
 Lab File: VL038210.D
 Acq: 17 Dec 2021 9:16

Tgt Ion: 91 Resp: 3170427
 Ion Ratio Lower Upper
 91 100
 92 55.1 44.1 66.1
 134 24.2 18.9 28.3



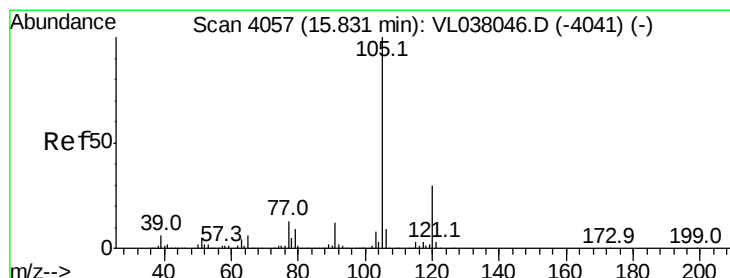
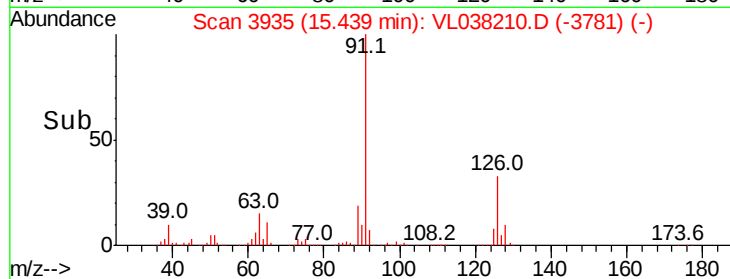
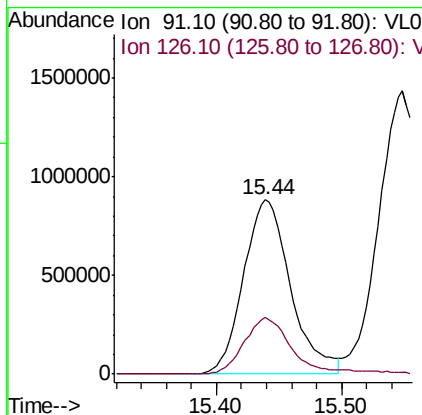
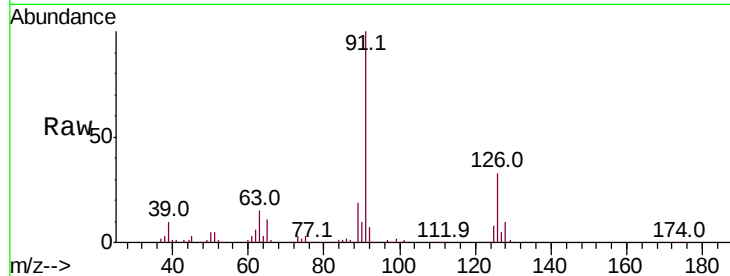
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





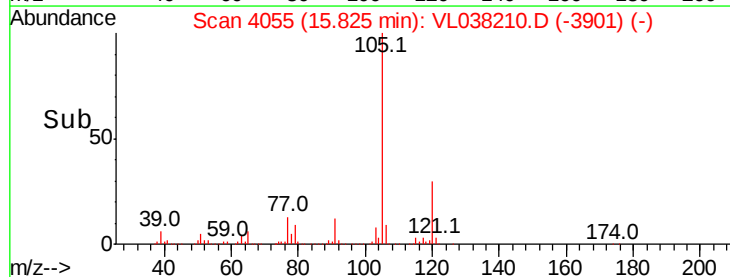
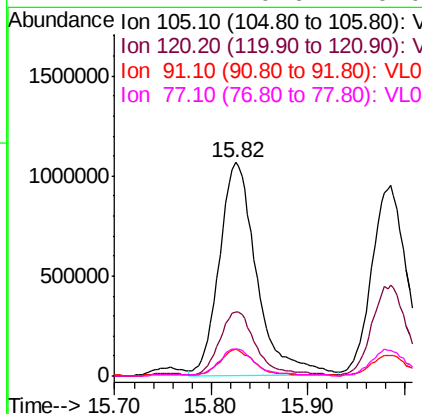
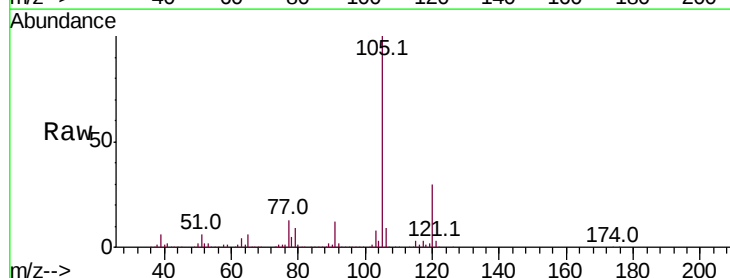
#71
 2-Chlorotoluene
 Concen: 6.569 ppbv
 RT: 15.44 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 Dec 2021 9:16

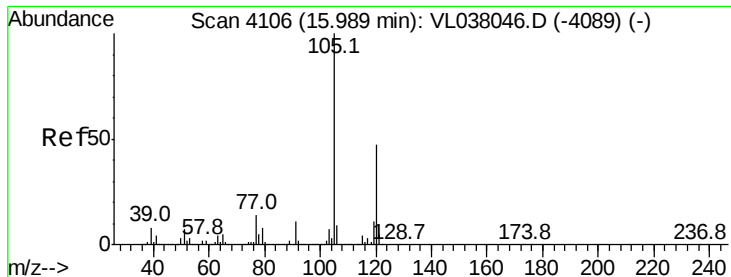
Tot Ion: 91 Resp: 2304094
 Ion Ratio Lower Upper
 91 100
 126 34.2 13.1 52.3



#72
 4-Ethyltoluene
 Concen: 7.307 ppbv
 RT: 15.82 min Scan# 4055
 Delta R.T. -0.01 min
 Lab File: VL038210.D
 Acq: 17 Dec 2021 9:16

Tgt Ion: 105 Resp: 2863539
 Ion Ratio Lower Upper
 105 100
 120 30.1 25.1 37.7
 91 11.5 9.7 14.5
 77 12.7 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 7.042 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

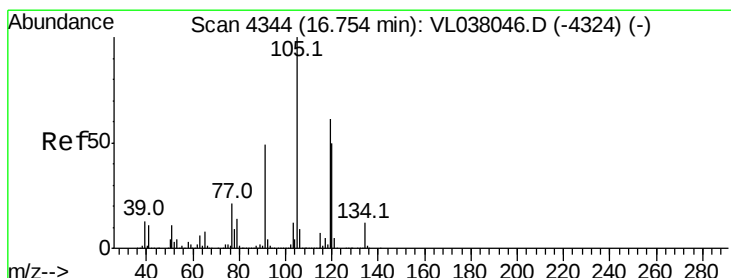
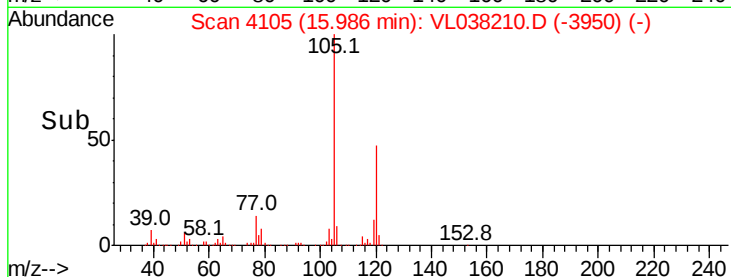
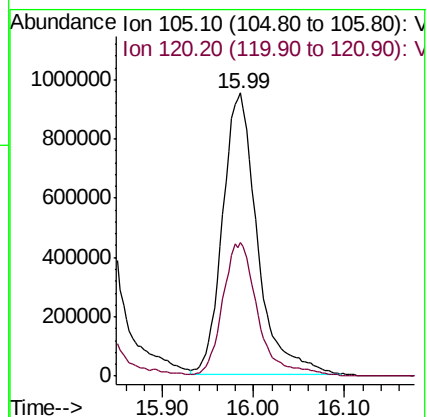
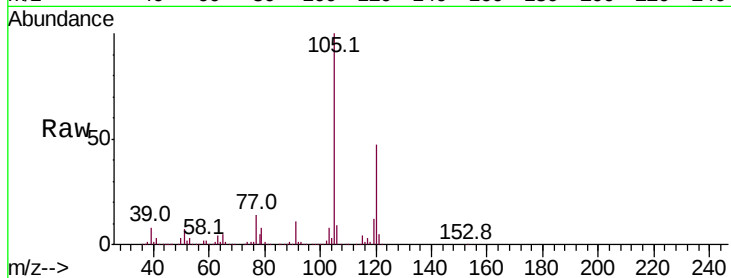
Acq: 17 Dec 2021 9:10

Tot Ion:105 Resp: 2520556

Ion Ratio Lower Upper

105 100

120 47.4 37.8 56.6



#74

1,2,4-Trimethylbenzene

Concen: 6.888 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.01 min

Lab File: VL038210.D

Acq: 17 Dec 2021 9:16

Tgt Ion:105 Resp: 2540546

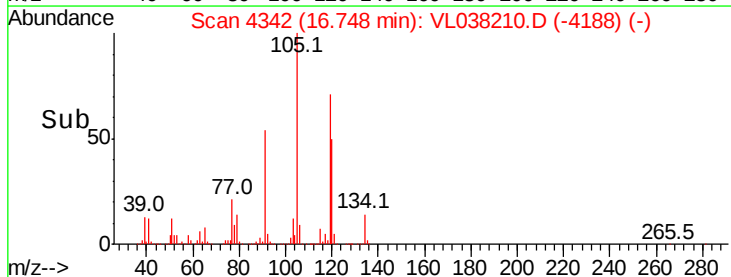
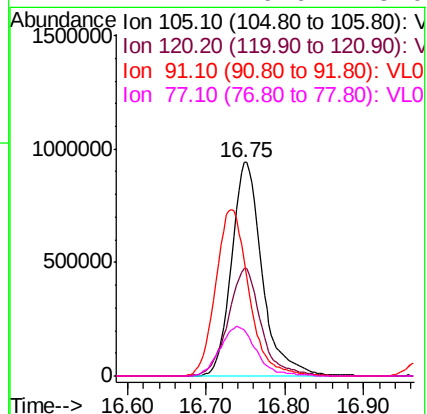
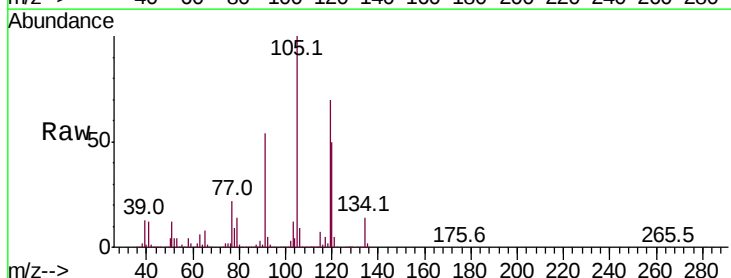
Ion Ratio Lower Upper

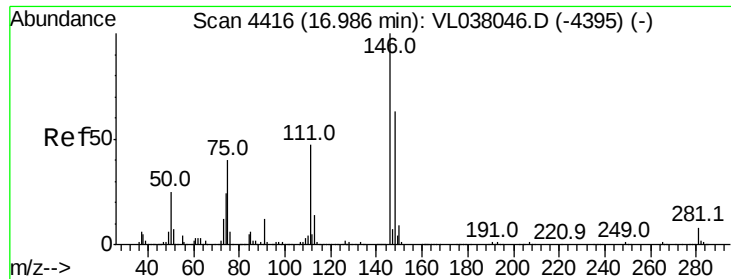
105 100

120 50.0 40.1 60.1

91 53.9 39.8 59.8

77 21.4 16.6 25.0





#75

1,3-Dichlorobenzene

Concen: 7.354 ppbv

RT: 16.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Dec 2021 9:16

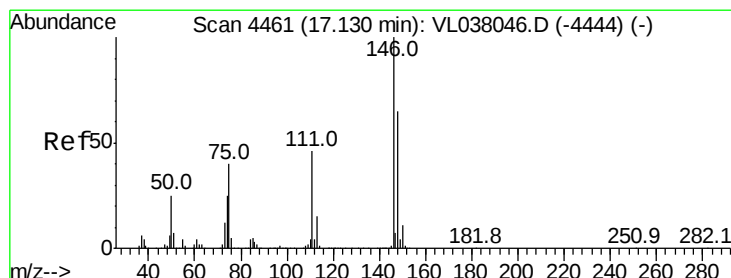
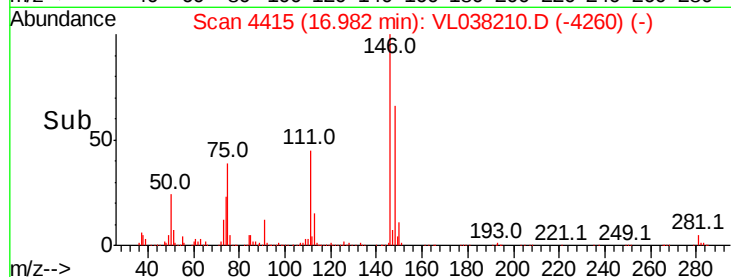
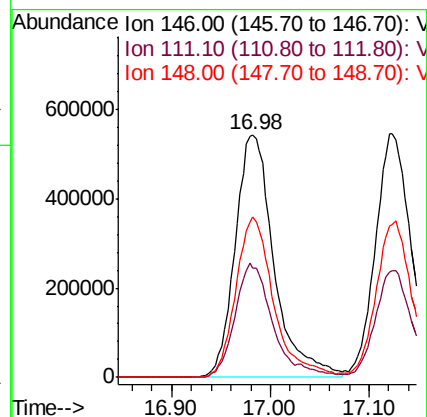
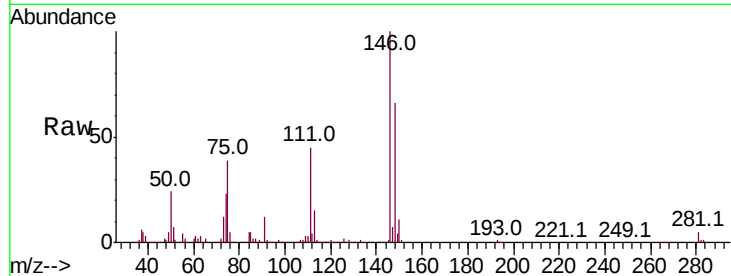
Tot Ion:146 Resp: 1489781

Ion Ratio Lower Upper

146 100

111 45.7 23.5 70.6

148 64.2 32.1 96.3



#76

1,4-Dichlorobenzene

Concen: 7.205 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. -0.01 min

Lab File: VL038210.D

Acq: 17 Dec 2021 9:16

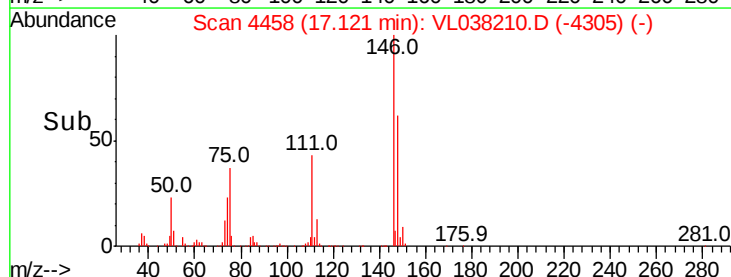
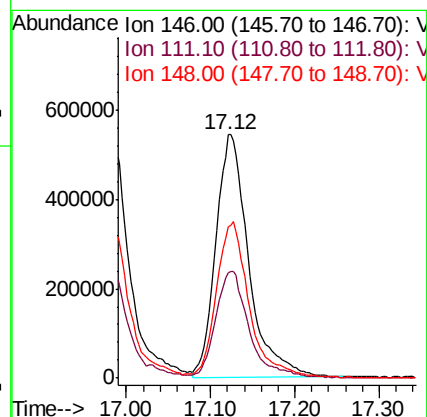
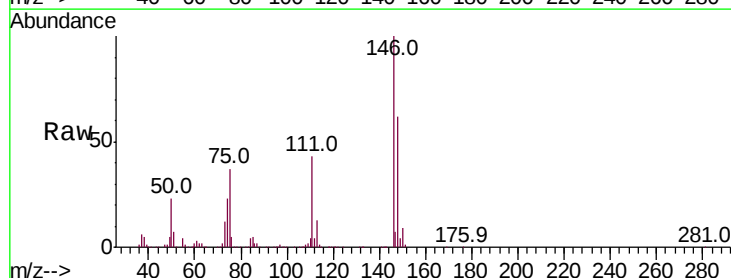
Tgt Ion:146 Resp: 1468864

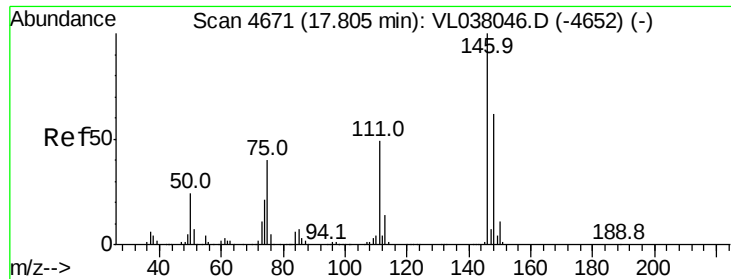
Ion Ratio Lower Upper

146 100

111 44.9 23.8 71.5

148 64.6 33.2 99.6





#77

1,2-Dichlorobenzene

Concen: 7.258 ppbv

RT: 17.80 min

Delta R.T. MSVOA_L

Lab File:

Acq: 17 Dec 2021 9:16

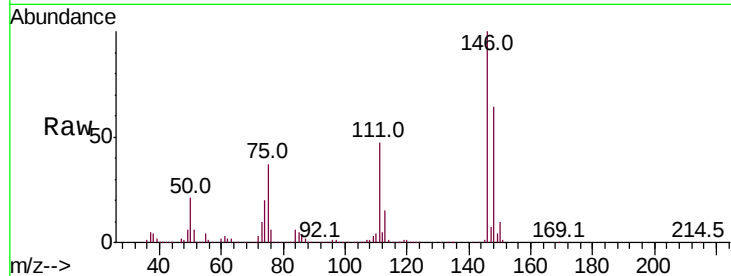
Tot Ion:146 Resp: 1423684

Ion Ratio Lower Upper

146 100

111 47.7 24.8 74.4

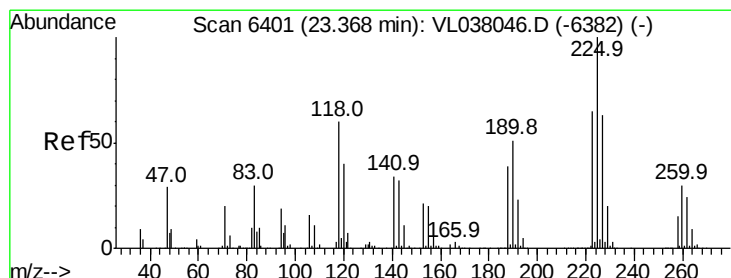
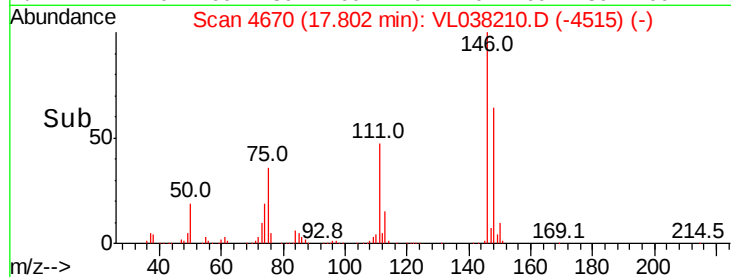
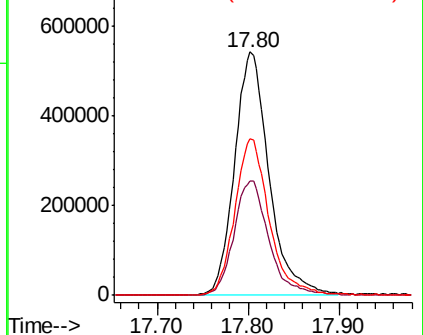
148 64.4 32.3 96.9



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: 6.831 ppbv

RT: 23.36 min Scan# 6398

Delta R.T. -0.01 min

Lab File: VL038210.D

Acq: 17 Dec 2021 9:16

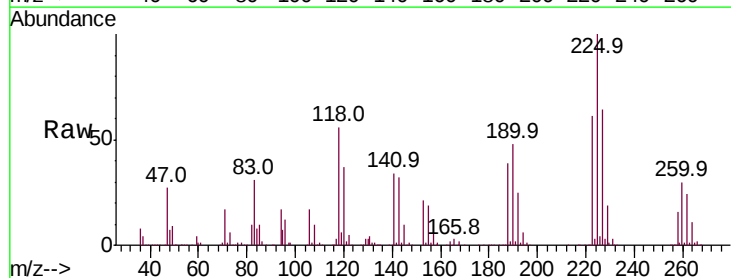
Tgt Ion:225 Resp: 836637

Ion Ratio Lower Upper

225 100

223 64.1 52.3 78.5

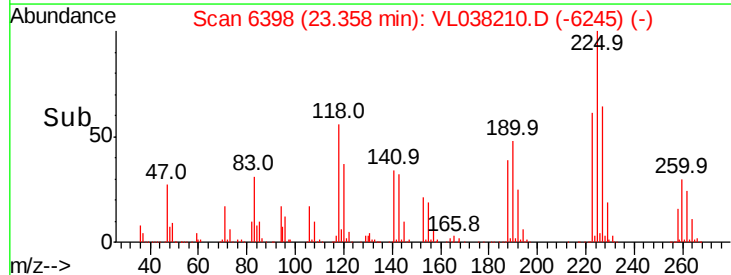
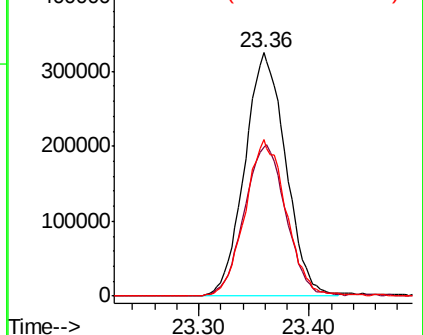
227 64.8 52.4 78.6

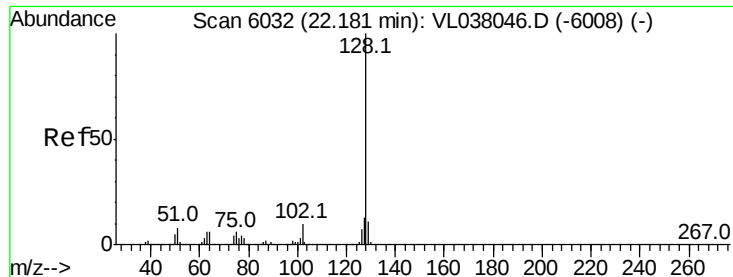


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

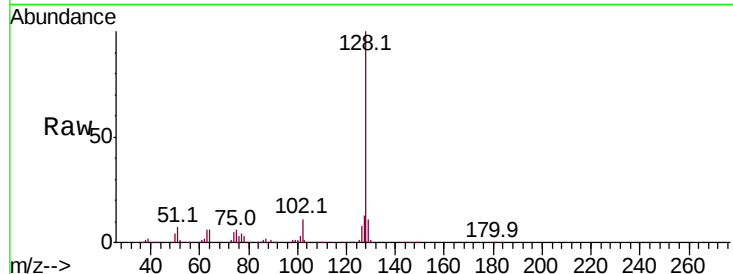




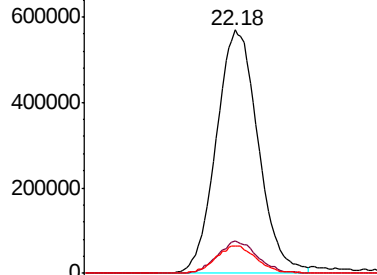
#79
Naphthalene
Concen: 8.997 ppbv
RT: 22.18 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 17 Dec 2021 9:16

Tot Ion:128 Resp: 1747657

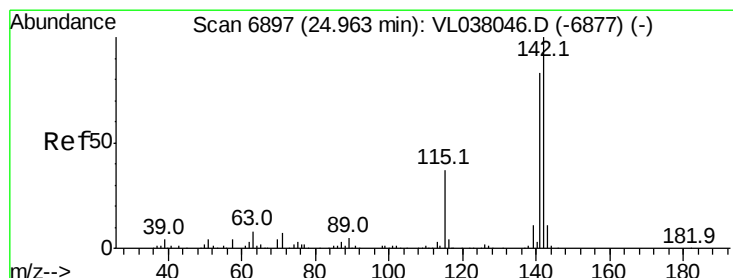
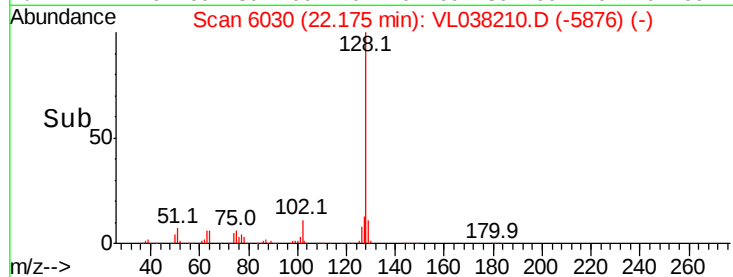
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.4	8.9	13.3



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



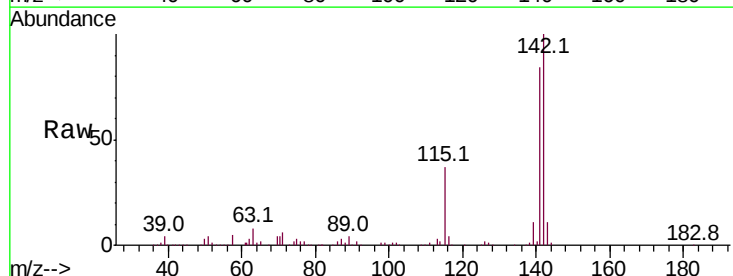
Time-->



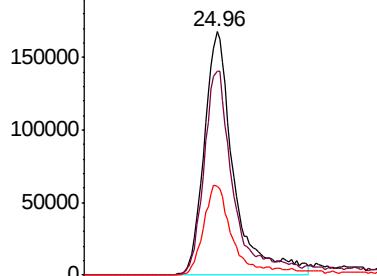
#80
Naphthalene, 2-methyl-
Concen: 9.637 ppbv
RT: 24.96 min Scan# 6896
Delta R.T.: -0.00 min
Lab File: VL038210.D
Acq: 17 Dec 2021 9:16

Tgt Ion:142 Resp: 401146

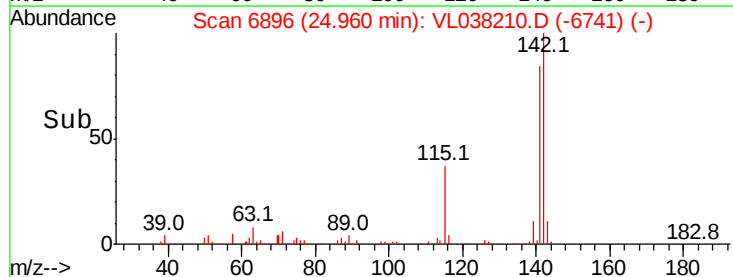
Ion	Ratio	Lower	Upper
142	100		
141	85.7	67.3	100.9
115	39.8	28.9	43.3

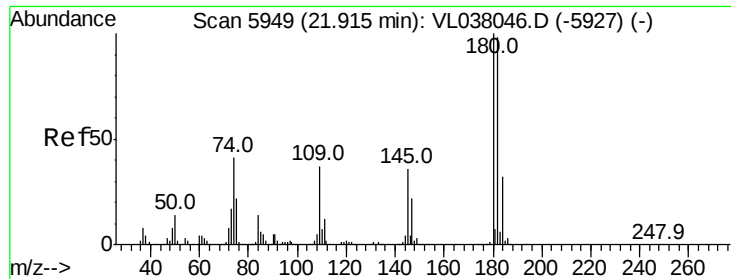


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V



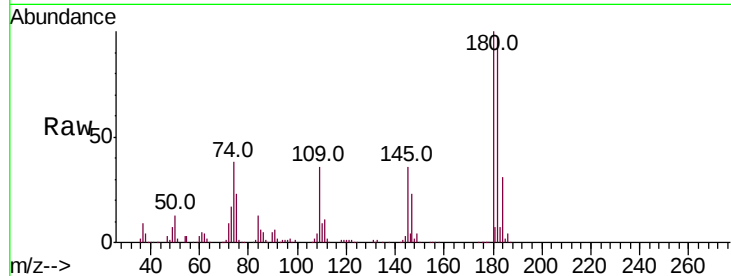
Time-->





#81
 1,2,4-Trichlorobenzene
 Concen: 8.485 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 Dec 2021 9:10

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	77.4	116.2
184	31.5	25.0	37.4



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

