

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030422\
 Data File : VL038535.D
 Acq On : 4 Mar 2022 15:51
 Operator : SY/AP
 Sample : VL0304ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 05 04:58:22 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1005535	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.14	114	2445635	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.05	117	2217616	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1791340	9.76	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1255413	7.882	ppbv 96
3) Chlorodifluoromethane	2.98	51	1769655	9.967	ppbv 99
4) Chloromethane	3.13	50	600828	9.739	ppbv 97
5) Vinyl Chloride	3.24	62	603908	9.363	ppbv 99
6) Bromomethane	3.46	94	349777	10.281	ppbv 100
7) Chloroethane	3.54	64	216185	10.436	ppbv 99
8) Dichlorotetrafluoroethane	3.18	85	1476957	9.970	ppbv 100
9) Propene	3.00	41	571918	9.755	ppbv 98
10) Heptane	8.09	43	1499185	10.505	ppbv 99
11) Trichlorofluoromethane	3.93	101	1550242	10.167	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1145616	10.248	ppbv 98
13) Ethanol	3.59	45	20952	3.581	ppbv # 1
14) Bromoethene	3.72	108	467680	10.501	ppbv 98
15) Acetone	3.83	43	813605	9.515	ppbv 99
16) 1,3-Butadiene	3.31	39	597133	10.454	ppbv 97
17) tert-Butyl alcohol	4.26	59	948294	11.116	ppbv 98
18) 1,1-Dichloroethene	4.27	96	515772	10.509	ppbv 95
19) Isopropyl Alcohol	3.94	45	535945	10.823	ppbv # 99
20) Methylene Chloride	4.32	84	411521	9.713	ppbv 94
21) Allyl Chloride	4.39	41	758160	10.497	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	530850	10.720	ppbv 98
23) Vinyl Acetate	5.05	43	1243135	10.970	ppbv 100
24) 1,1-Dichloroethane	4.99	63	1068235	10.485	ppbv 99
25) Ethyl Acetate	5.65	43	2353434	10.244	ppbv 99
26) Hexane	5.66	57	1081558	10.396	ppbv 98
27) Carbon Disulfide	4.53	76	1310255	11.322	ppbv 100
28) Methyl tert-Butyl Ether	5.01	73	1119034	10.560	ppbv 99
29) Chloroform	5.73	83	1757790	10.352	ppbv 98
30) Cyclohexane	7.10	84	894546	10.513	ppbv 98
31) cis-1,2-Dichloroethene	5.52	61	1072696	10.642	ppbv 96
32) 1,1,1-Trichloroethane	6.48	97	1772121	10.378	ppbv 99
34) 2-Butanone	5.22	43	854318	11.107	ppbv 99
35) Carbon Tetrachloride	6.99	117	1853234	10.776	ppbv 99
36) Benzene	6.86	78	2264505	10.518	ppbv 97
37) 1,2-Dichloroethane	6.28	62	1357438	10.911	ppbv 100
38) Trichloroethene	7.80	130	814966	10.392	ppbv 95
39) 1,2-Dichloropropane	7.58	63	895711	10.445	ppbv 98
40) 1,4-Dioxane	7.80	88	235523	11.579	ppbv 73
41) Tetrahydrofuran	6.02	42	557948	10.736	ppbv 98
42) Bromodichloromethane	7.76	83	1981923	11.032	ppbv 97
43) Methyl Methacrylate	7.98	69	854369	11.415	ppbv 98

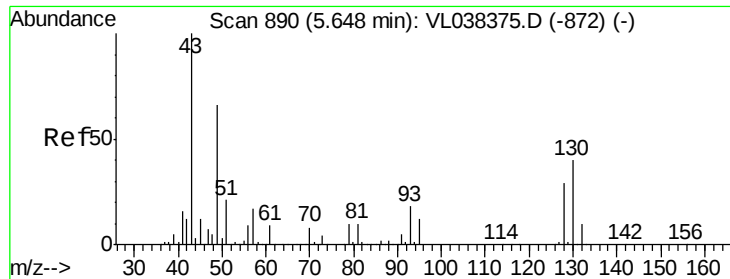
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030422\
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 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	3806931	10.287	ppbv	99
45) t-1,3-Dichloropropene	9.24	75	793679	13.269	ppbv	100
46) cis-1,3-Dichloropropene	8.67	75	983546	12.546	ppbv	97
47) 1,1,2-Trichloroethane	9.44	97	903221	10.587	ppbv	98
48) Dibromochloromethane	10.27	129	1560793	11.188	ppbv	99
49) Bromoform	13.00	173	1195713	11.612	ppbv	99
50) 4-Methyl-2-Pentanone	8.71	43	1576384	11.592	ppbv	99
51) 2-Hexanone	10.10	43	723622	11.885	ppbv #	100
52) Tetrachloroethene	11.19	164	725508	10.151	ppbv	97
53) Toluene	9.77	91	2532034	10.832	ppbv	100
54) 1,2-Dibromoethane	10.57	107	1328450	11.061	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.09	131	1017969	11.013	ppbv	95
57) Chlorobenzene	12.11	112	1814785	10.607	ppbv	99
58) Ethyl Benzene	12.67	91	3373814	11.126	ppbv	100
59) m/p-Xylene	12.96	91	3067160	11.777	ppbv #	42
60) o-Xylene	13.65	91	2708152	11.000	ppbv	99
61) Styrene	13.49	104	1365078	12.022	ppbv	98
62) Isopropylbenzene	14.63	105	3550235	10.744	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.64	83	2026253	10.130	ppbv	100
64) n-propylbenzene	15.52	120	909555	11.118	ppbv	92
65) tert-Butylbenzene	16.71	119	3176032	11.097	ppbv	99
66) Benzyl Chloride	16.95	91	226127	14.622	ppbv	98
67) sec-Butylbenzene	17.26	105	4478646	11.045	ppbv	99
69) p-Isopropyltoluene	17.61	119	3623674	11.376	ppbv	99
70) n-Butylbenzene	18.51	91	3875288	11.757	ppbv	100
71) 2-Chlorotoluene	15.41	91	2829582	11.136	ppbv	100
72) 4-Ethyltoluene	15.80	105	3110232	11.466	ppbv	99
73) 1,3,5-Trimethylbenzene	15.96	105	2770882	11.248	ppbv	98
74) 1,2,4-Trimethylbenzene	16.73	105	2980476	11.460	ppbv	97
75) 1,3-Dichlorobenzene	16.95	146	1638087	11.245	ppbv	99
76) 1,4-Dichlorobenzene	17.10	146	1582701	11.018	ppbv	99
77) 1,2-Dichlorobenzene	17.78	146	1524991	10.876	ppbv	98
78) Hexachloro-1,3-Butadiene	23.34	225	1070134	10.007	ppbv	100
79) Naphthalene	22.15	128	1982614	14.069	ppbv	98
80) Naphthalene, 2-methyl-	24.94	142	424502	15.414	ppbv	98
81) 1,2,4-Trichlorobenzene	21.88	180	1095081	12.853	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 4 Mar 2022 15:51

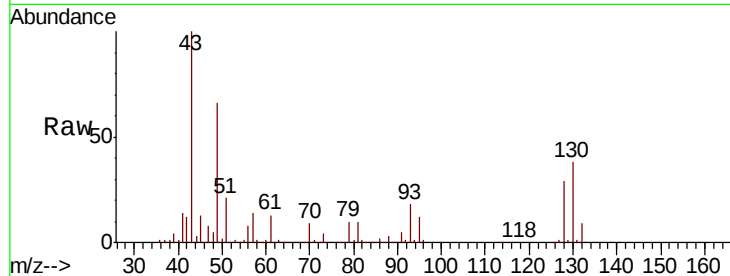
Tot Ion: 49 Resp: 1005535

Ion Ratio Lower Upper

49 100

128 48.8 24.3 72.9

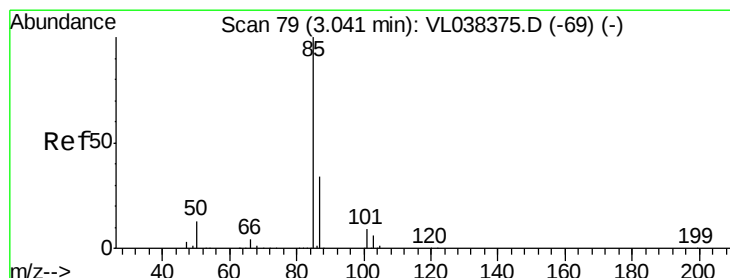
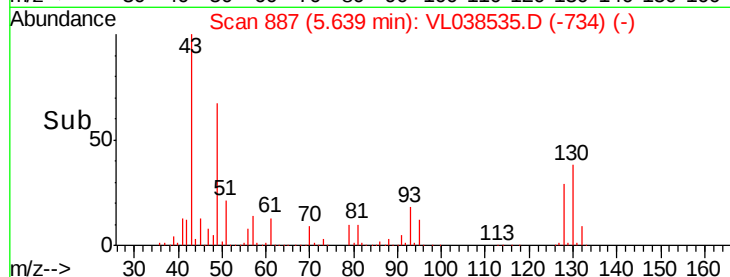
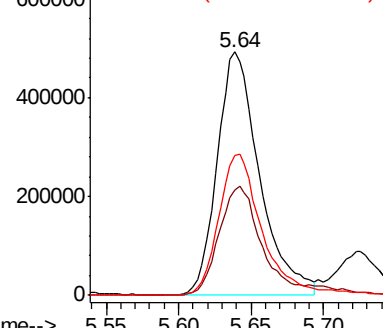
130 60.4 30.1 90.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.882 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.00 min

Lab File: VL038535.D

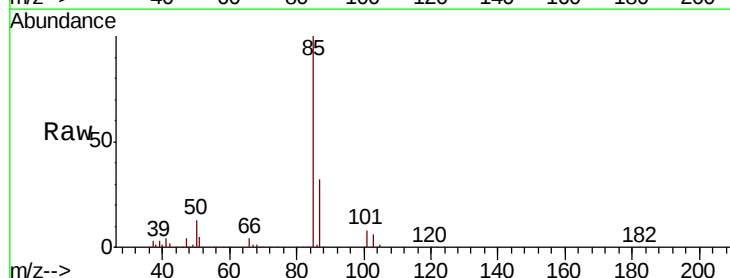
Acq: 4 Mar 2022 15:51

Tgt Ion: 85 Resp: 1255413

Ion Ratio Lower Upper

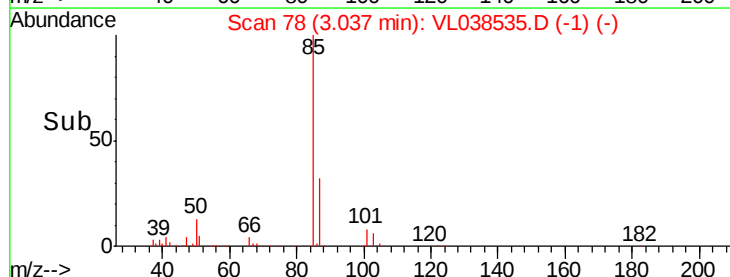
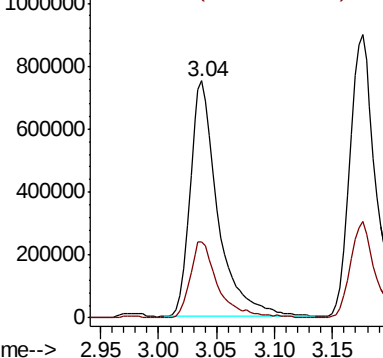
85 100

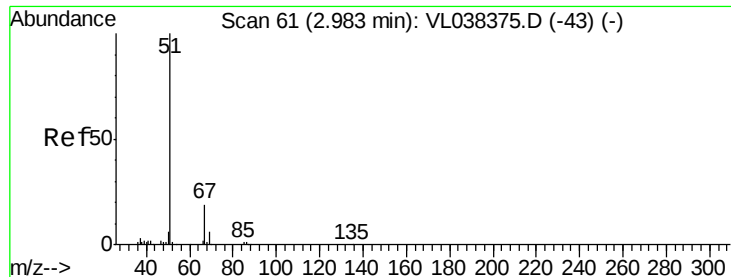
87 31.8 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.967 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

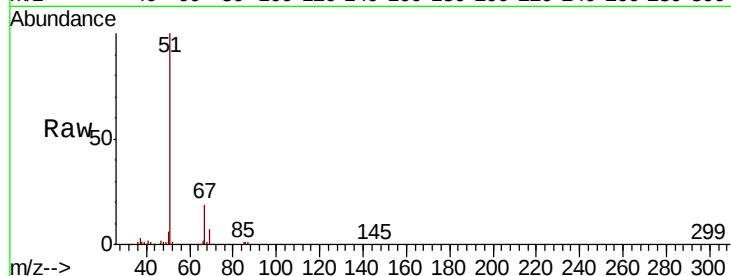
Acq: 4 Mar 2022 15:51

Tot Ion: 51 Resp: 1769655

Ion Ratio Lower Upper

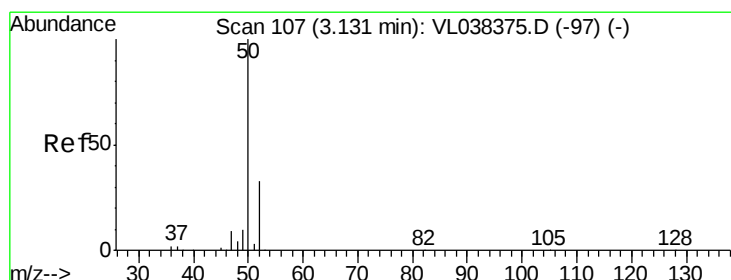
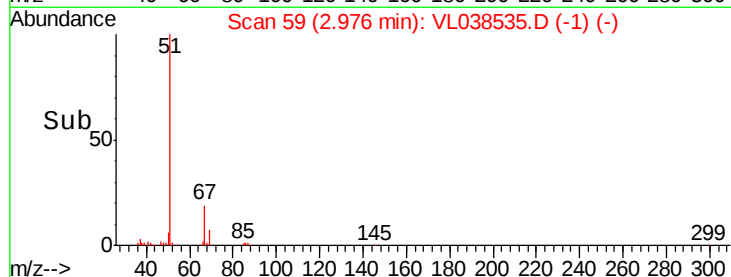
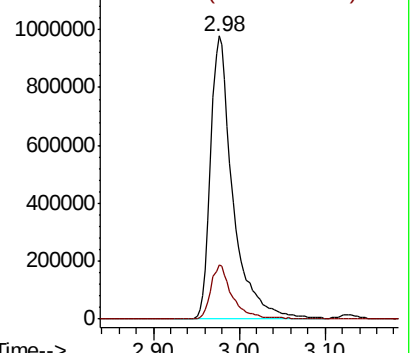
51 100

67 18.7 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.739 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL038535.D

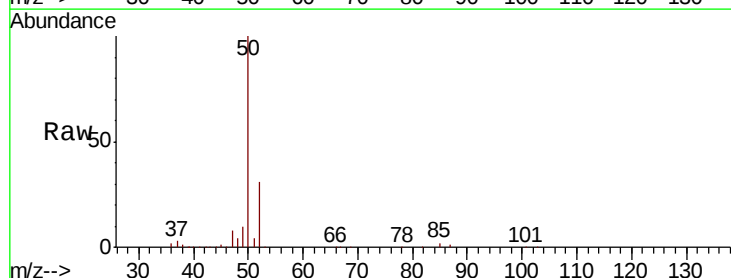
Acq: 4 Mar 2022 15:51

Tgt Ion: 50 Resp: 600828

Ion Ratio Lower Upper

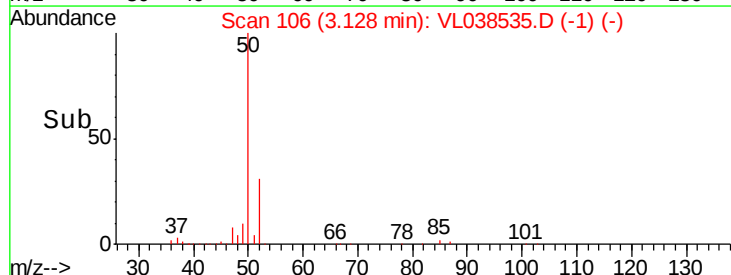
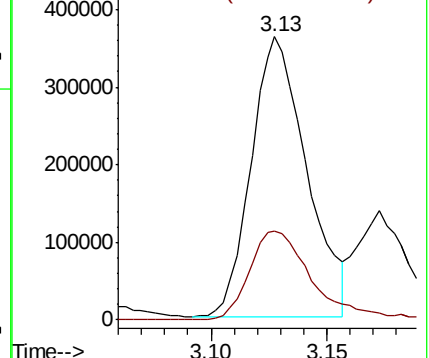
50 100

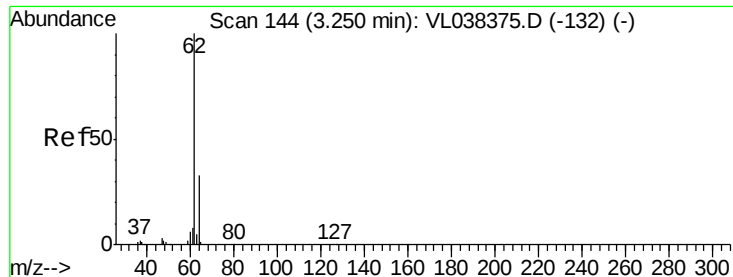
52 31.7 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.363 ppbv

RT: 3.24 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

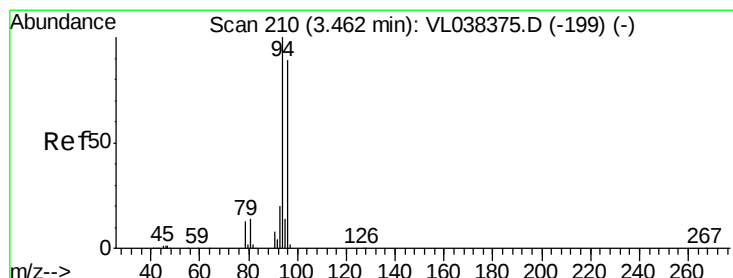
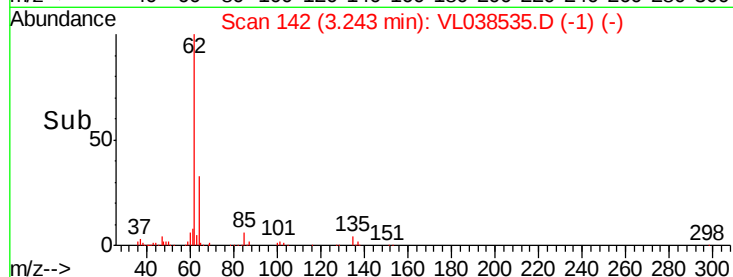
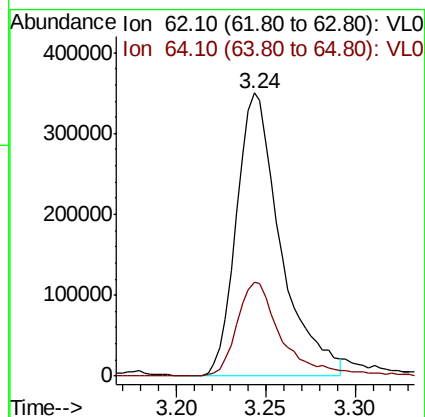
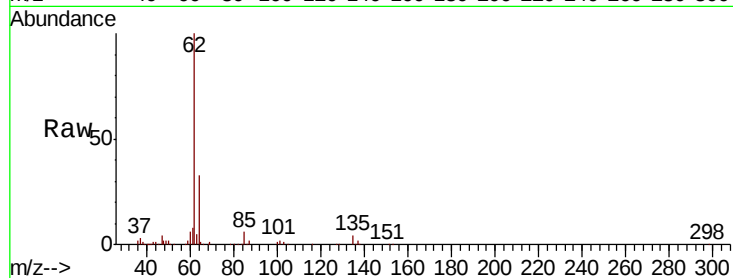
Acq: 4 Mar 2022 15:51

Tot Ion: 62 Resp: 603908

Ion Ratio Lower Upper

62 100

64 33.4 26.2 39.2



#6

Bromomethane

Concen: 10.281 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL038535.D

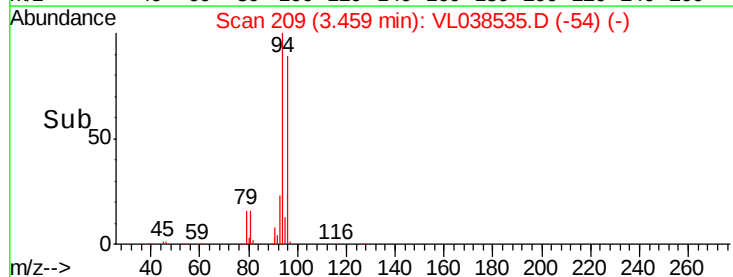
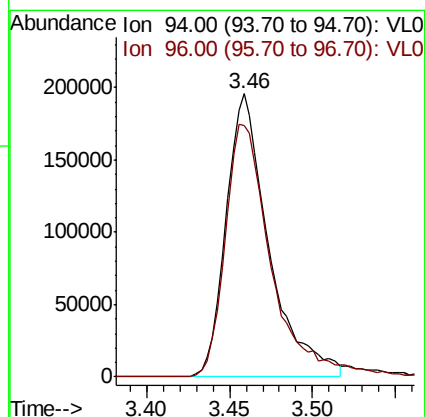
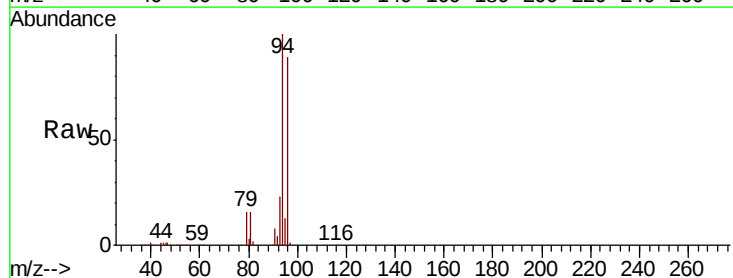
Acq: 4 Mar 2022 15:51

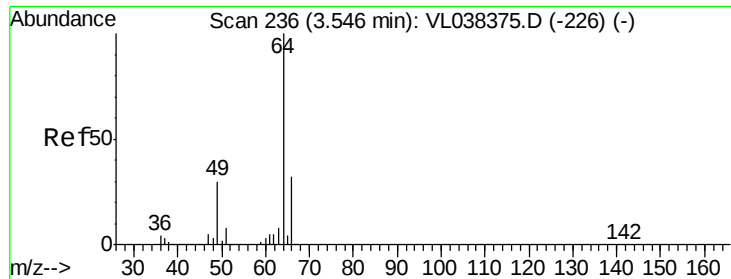
Tgt Ion: 94 Resp: 349777

Ion Ratio Lower Upper

94 100

96 88.6 71.0 106.6





#7

Chloroethane

Concen: 10.436 ppbv

RT: 3.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

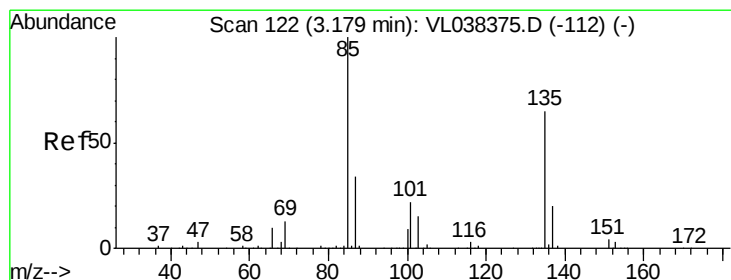
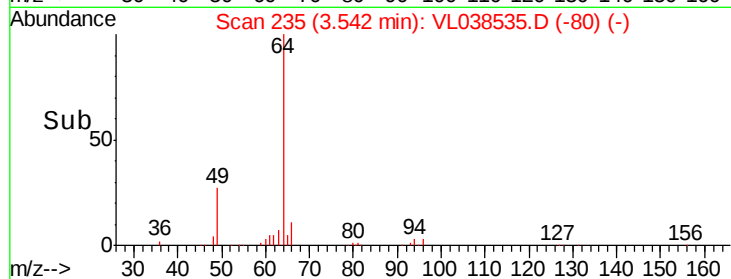
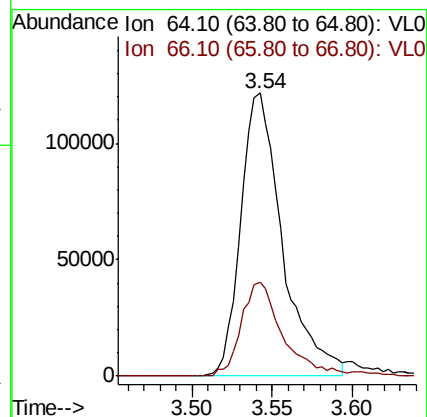
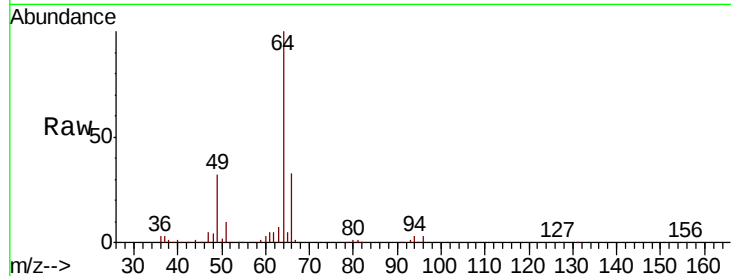
Acq: 4 Mar 2022 15:51

Tot Ion: 64 Resp: 216185

Ion Ratio Lower Upper

64 100

66 33.1 25.9 38.9



#8

Dichlorotetrafluoroethane

Concen: 9.970 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL038535.D

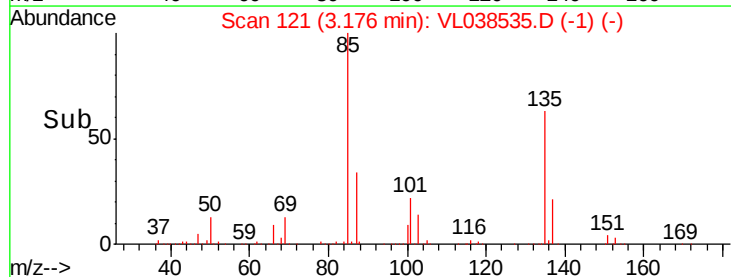
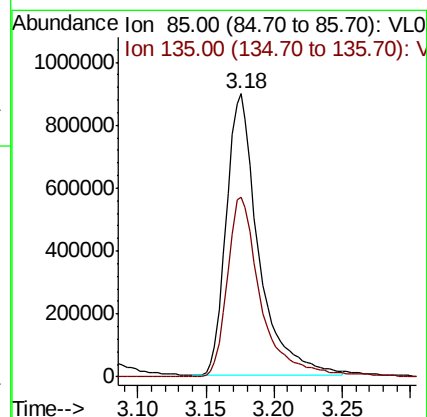
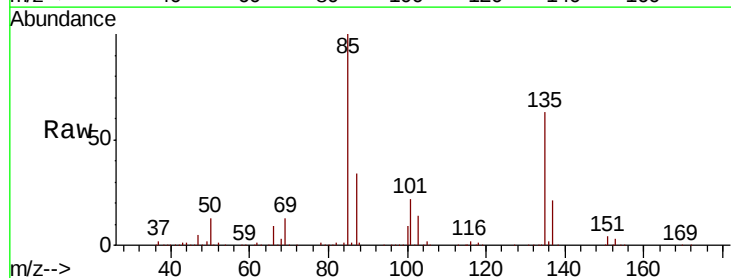
Acq: 4 Mar 2022 15:51

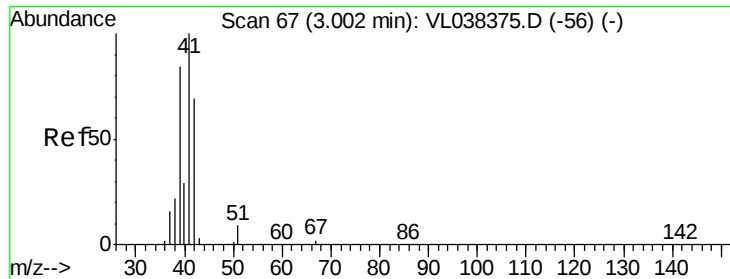
Tgt Ion: 85 Resp: 1476957

Ion Ratio Lower Upper

85 100

135 67.2 54.1 81.1





#9

Propene

Concen: 9.755 ppbv

RT: 3.00 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

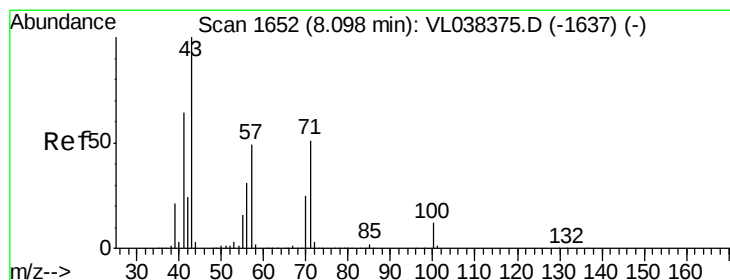
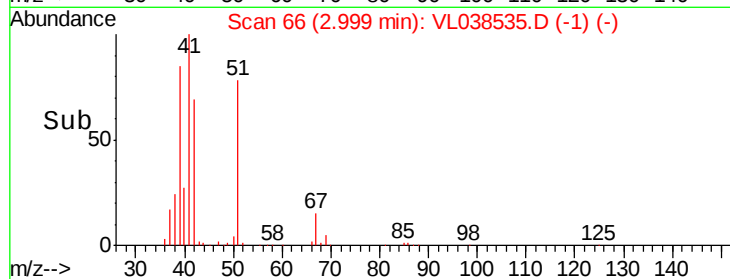
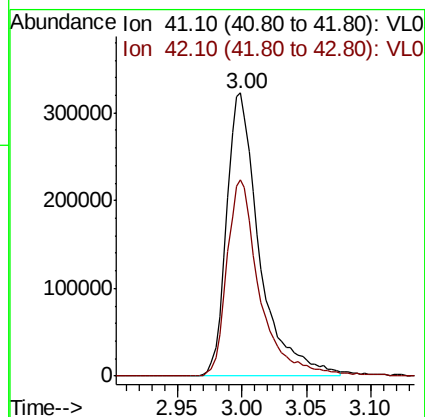
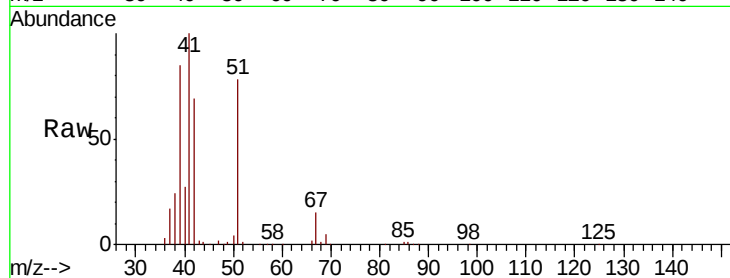
Acq: 4 Mar 2022 15:51

Tot Ion: 41 Resp: 571918

Ion Ratio Lower Upper

41 100

42 69.6 54.6 82.0



#10

Heptane

Concen: 10.505 ppbv

RT: 8.09 min Scan# 1649

Delta R.T. -0.01 min

Lab File: VL038535.D

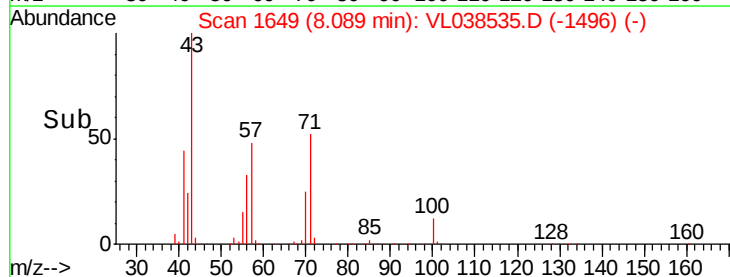
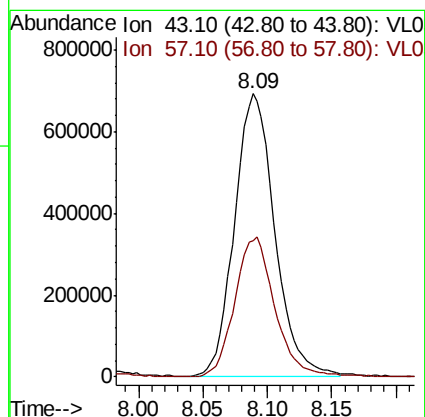
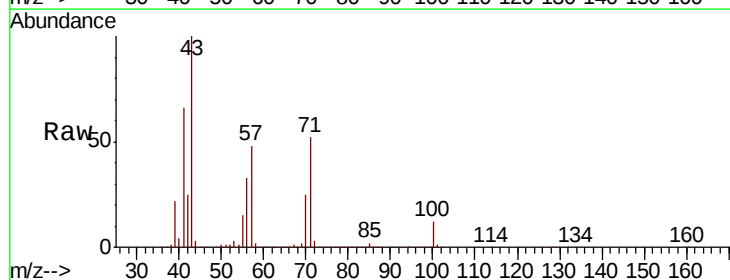
Acq: 4 Mar 2022 15:51

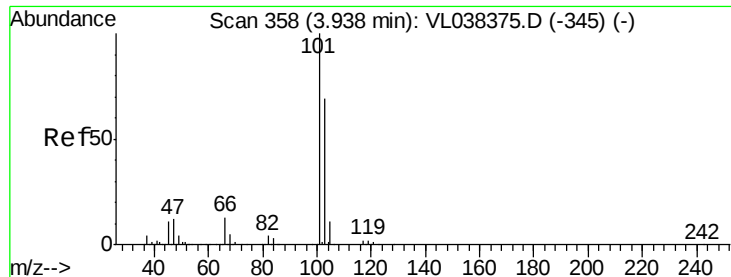
Tgt Ion: 43 Resp: 1499185

Ion Ratio Lower Upper

43 100

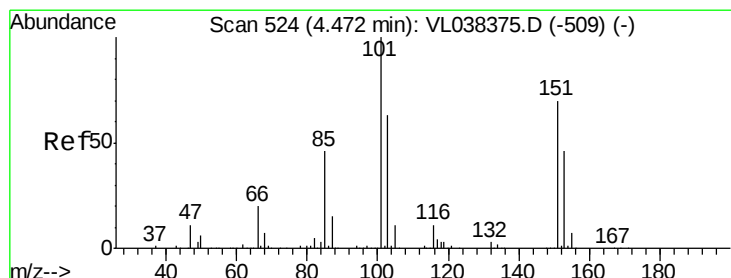
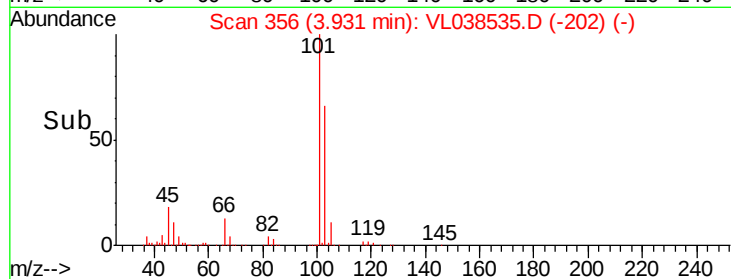
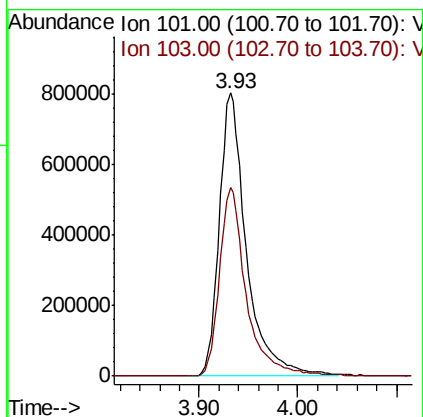
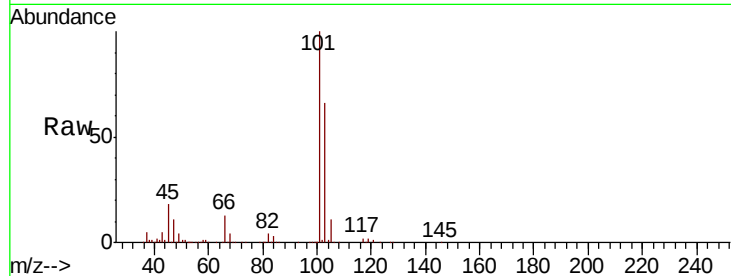
57 49.0 39.8 59.8





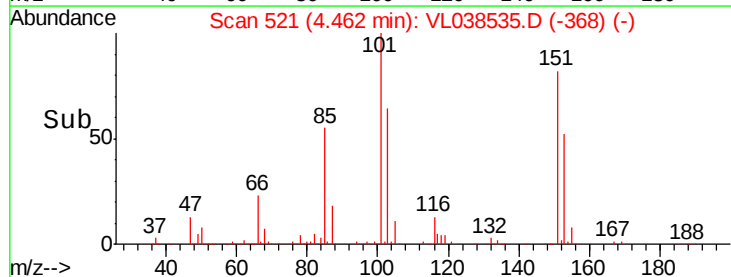
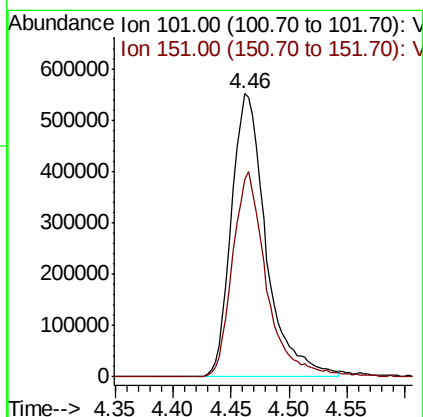
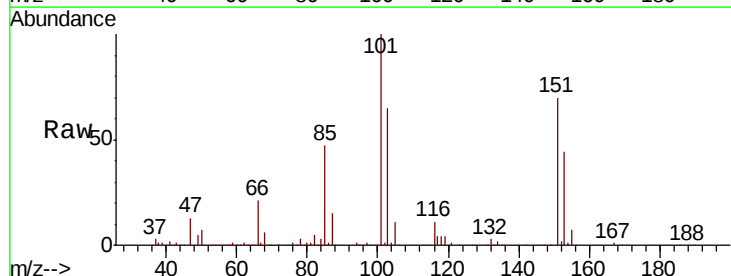
#11
 Trichlorofluoromethane
 Concen: 10.167 ppbv
 RT: 3.93 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 4 Mar 2022 15:51

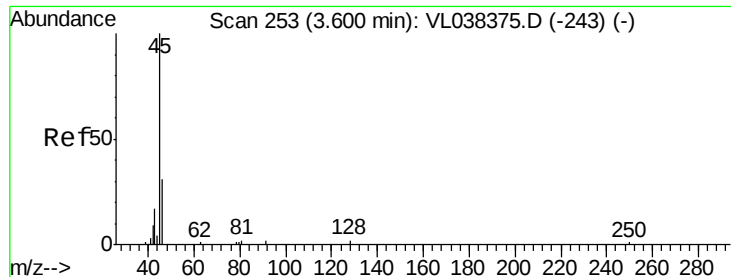
Tot Ion:101 Resp: 1550242
 Ion Ratio Lower Upper
 101 100
 103 66.5 55.0 82.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.248 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VL038535.D
 Acq: 4 Mar 2022 15:51

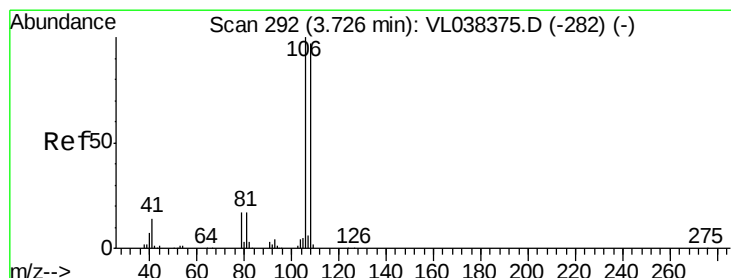
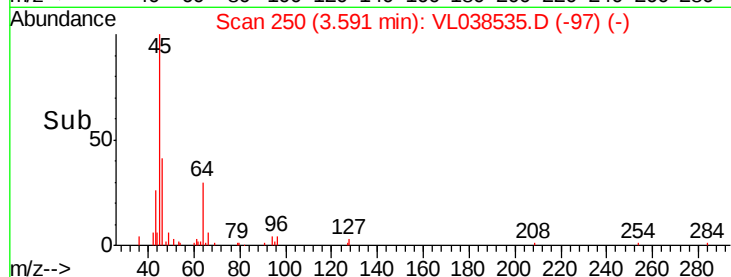
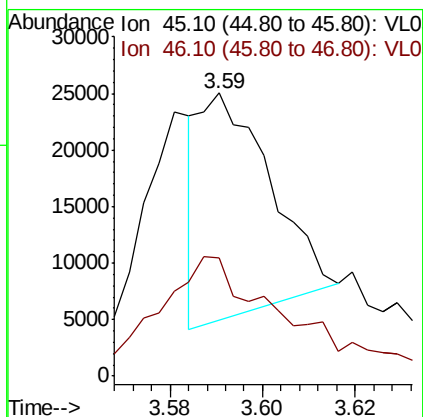
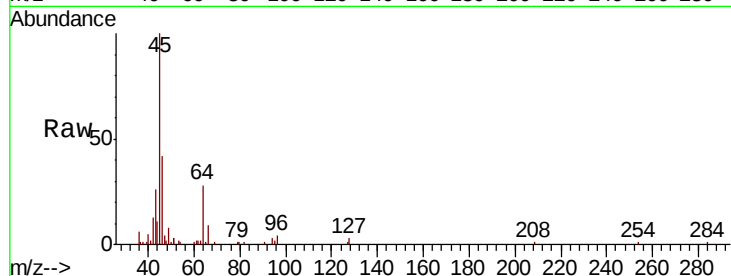
Tgt Ion:101 Resp: 1145616
 Ion Ratio Lower Upper
 101 100
 151 71.3 55.9 83.9





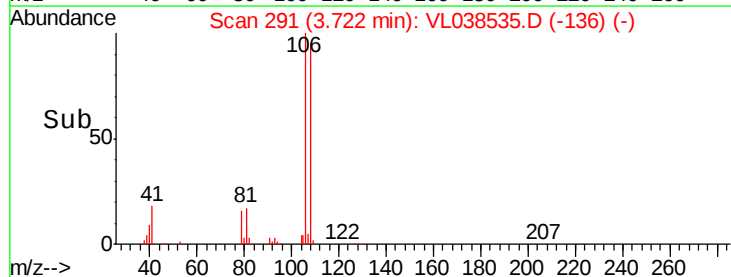
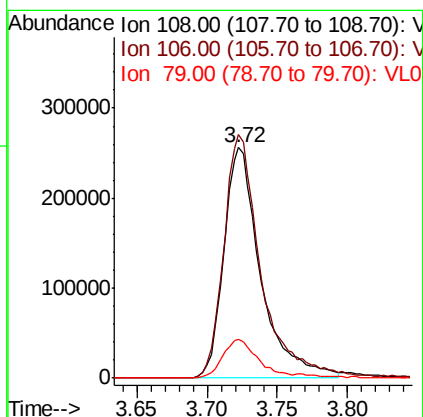
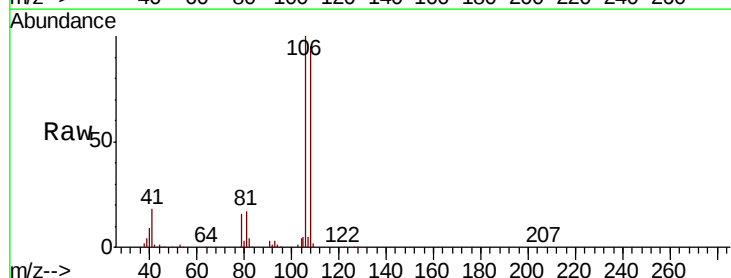
#13
 Ethanol
 Concen: 3.581 ppbv
 RT: 3.59
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 4 Mar 2022 15:51

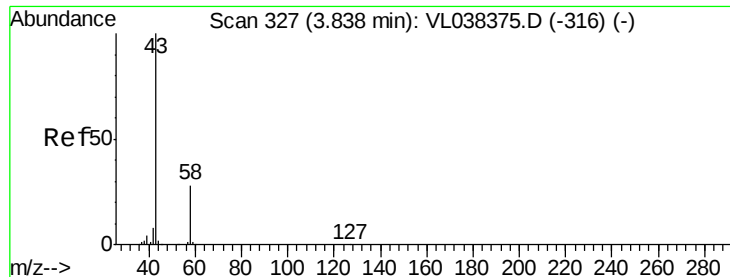
Tot Ion: 45 Resp: 20952
 Ion Ratio Lower Upper
 45 100
 46 120.4 18.2 72.8#



#14
 Bromoethene
 Concen: 10.501 ppbv
 RT: 3.72 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VL038535.D
 Acq: 4 Mar 2022 15:51

Tgt Ion: 108 Resp: 467680
 Ion Ratio Lower Upper
 108 100
 106 108.4 88.4 132.6
 79 17.8 15.0 22.6





#15

Acetone

Concen: 9.515 ppbv

RT: 3.83 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

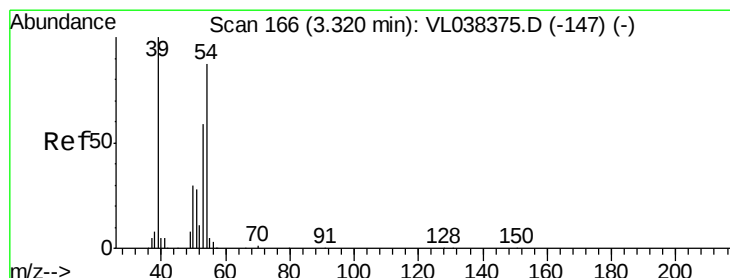
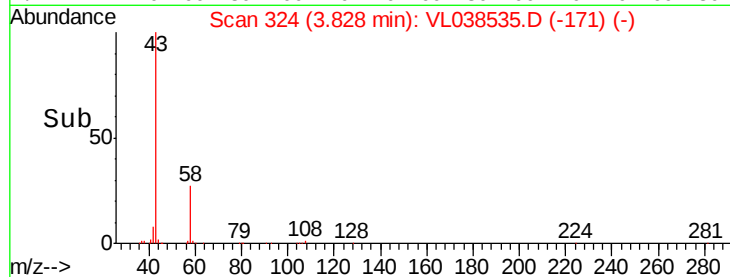
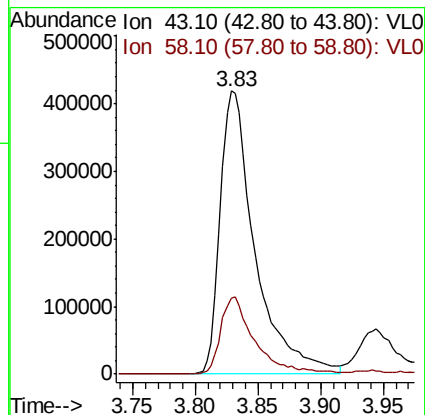
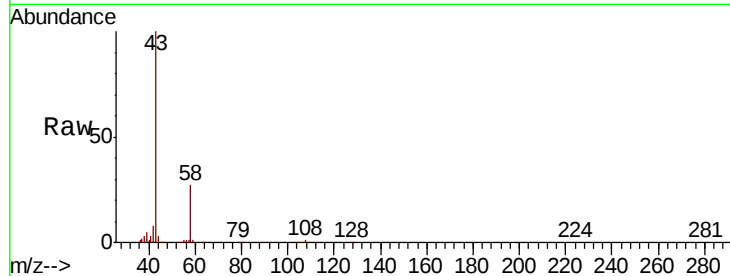
Acq: 4 Mar 2022 15:51

Tot Ion: 43 Resp: 813605

Ion Ratio Lower Upper

43 100

58 26.7 21.7 32.5



#16

1,3-Butadiene

Concen: 10.454 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.01 min

Lab File: VL038535.D

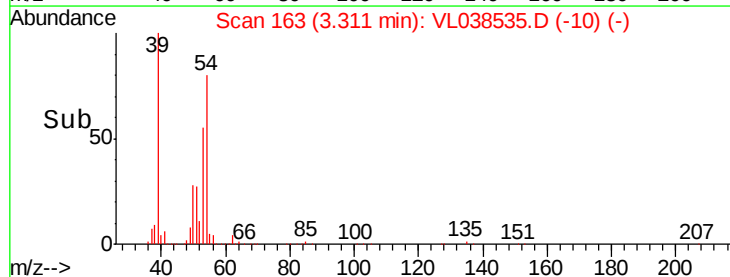
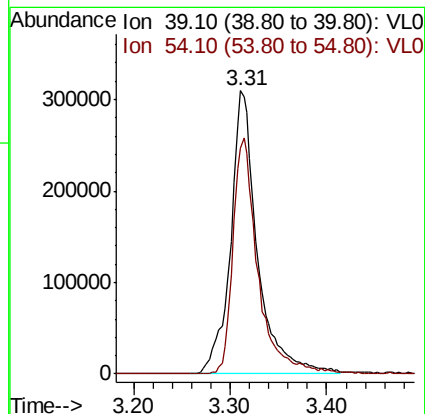
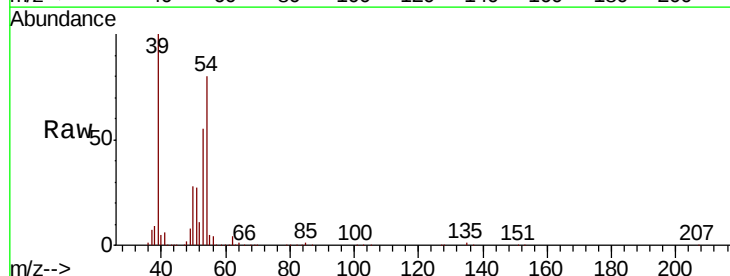
Acq: 4 Mar 2022 15:51

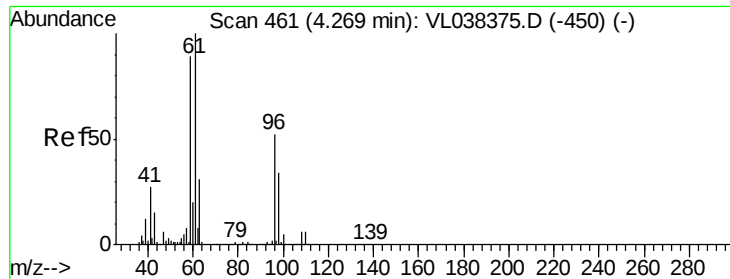
Tgt Ion: 39 Resp: 597133

Ion Ratio Lower Upper

39 100

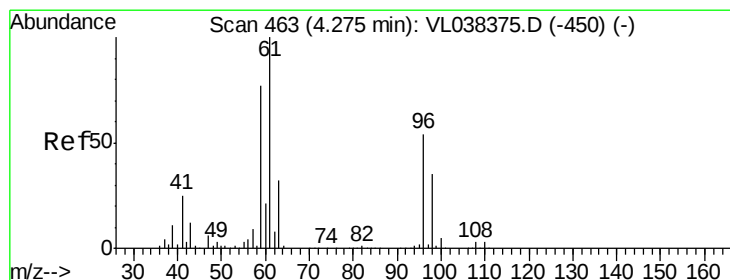
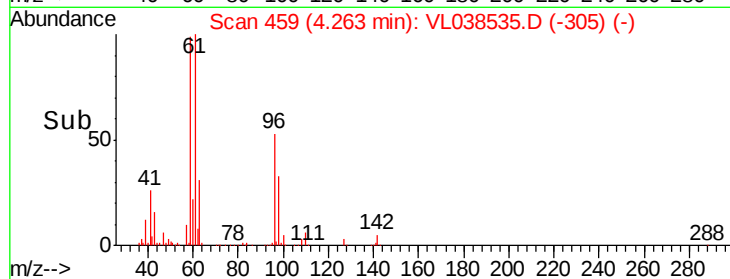
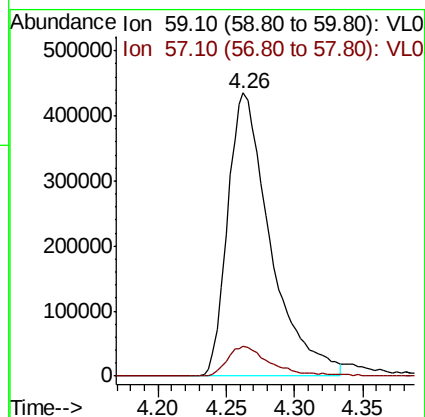
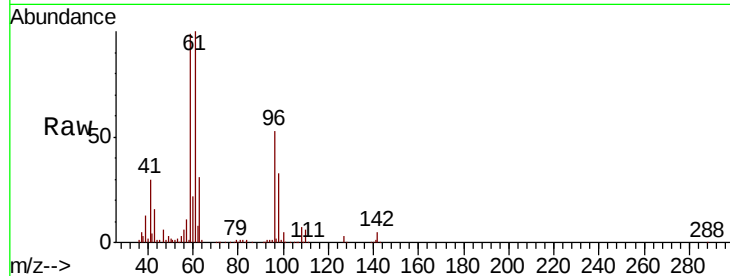
54 77.9 60.3 90.5





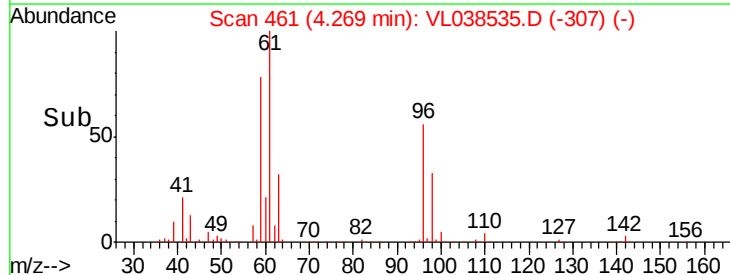
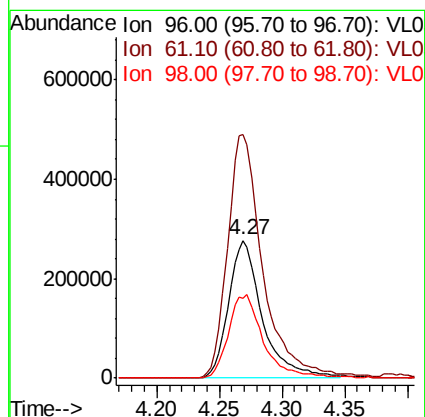
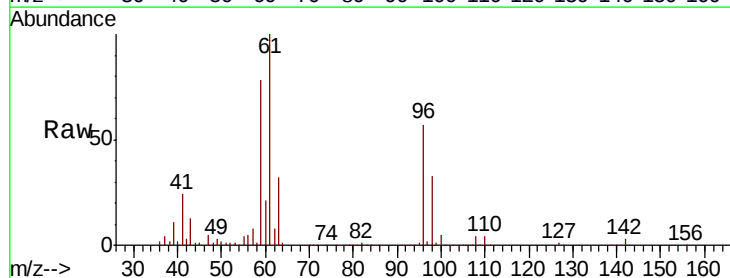
#17
 tert-Butyl alcohol
 Concen: 11.116 ppbv
 RT: 4.26 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 4 Mar 2022 15:51

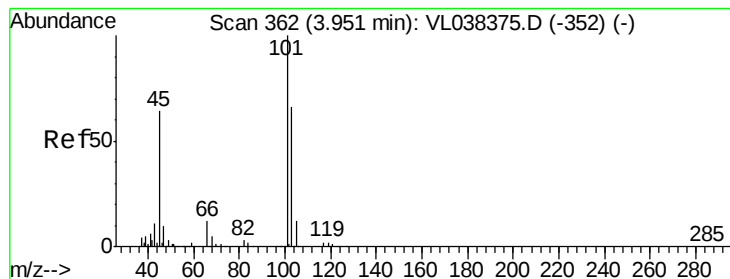
Tot Ion: 59 Resp: 948294
 Ion Ratio Lower Upper
 59 100
 57 11.3 8.4 12.6



#18
 1,1-Dichloroethene
 Concen: 10.509 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. -0.01 min
 Lab File: VL038535.D
 Acq: 4 Mar 2022 15:51

Tgt Ion: 96 Resp: 515772
 Ion Ratio Lower Upper
 96 100
 61 177.0 146.8 220.2
 98 58.3 51.5 77.3





#19

Isopropyl Alcohol

Concen: 10.823 ppbv

RT: 3.94 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

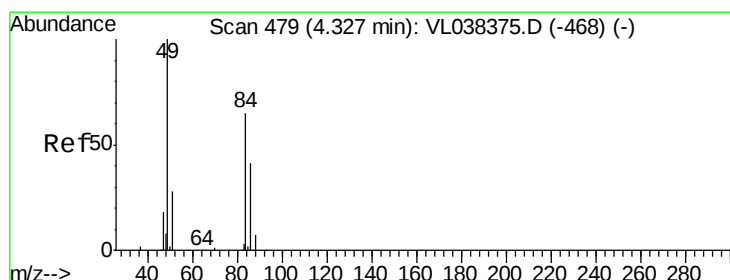
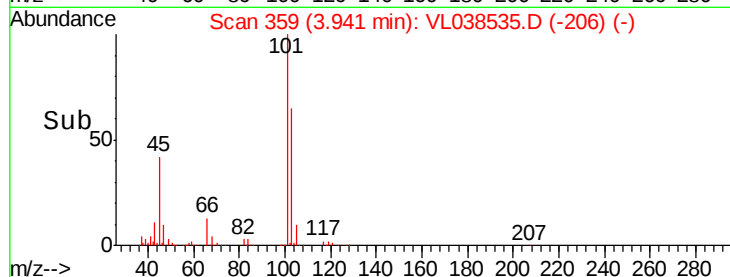
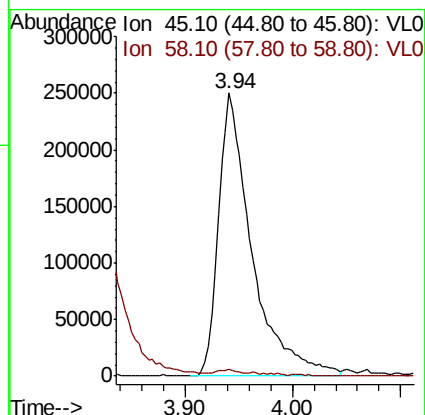
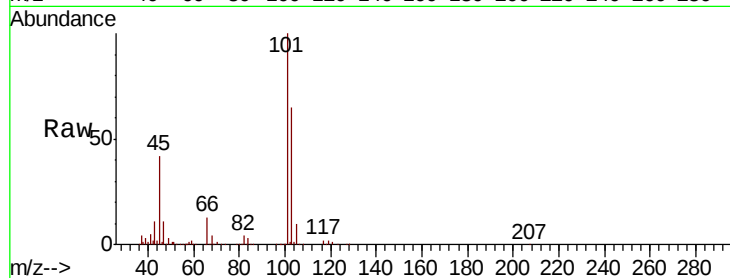
Acq: 4 Mar 2022 15:51

Tot Ion: 45 Resp: 535945

Ion Ratio Lower Upper

45 100

58 2.8 1.8 2.8#



#20

Methylene Chloride

Concen: 9.713 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL038535.D

Acq: 4 Mar 2022 15:51

Tgt Ion: 84 Resp: 411521

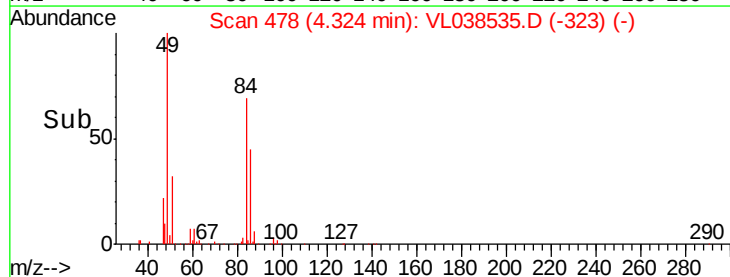
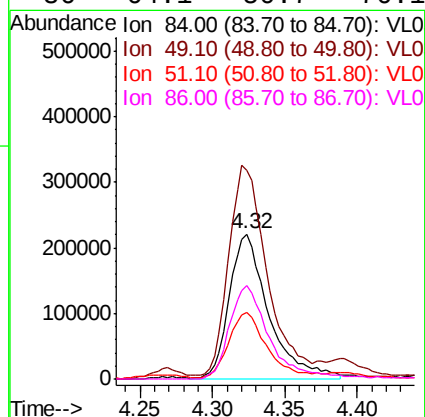
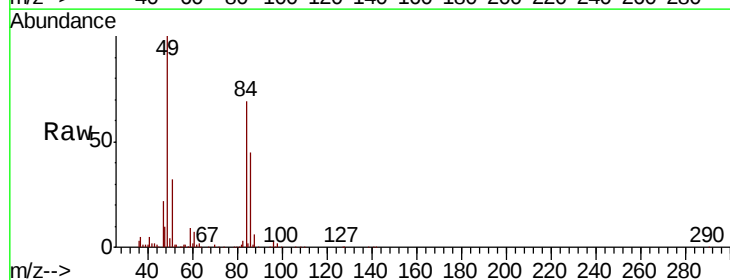
Ion Ratio Lower Upper

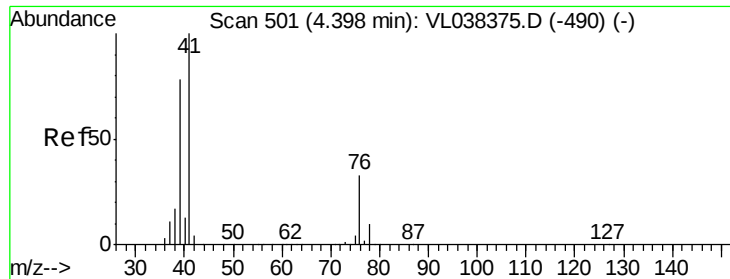
84 100

49 141.6 122.4 183.6

51 44.0 33.3 49.9

86 64.1 50.7 76.1





#21

Allvl Chloride

Concen: 10.497 ppbv

RT: 4.39 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 4 Mar 2022 15:51

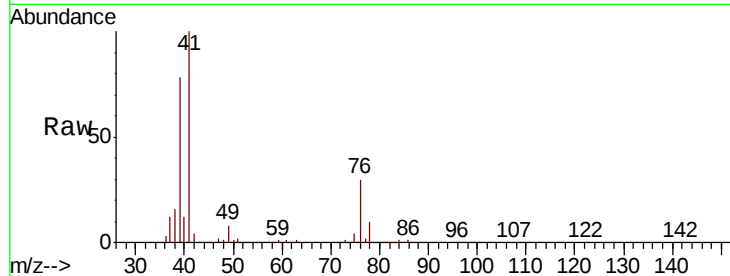
Tot Ion: 41 Resp: 758160

Ion Ratio Lower Upper

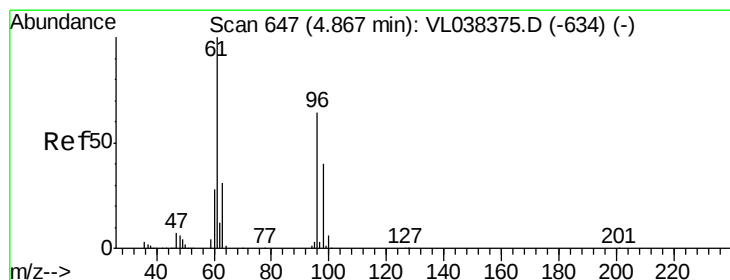
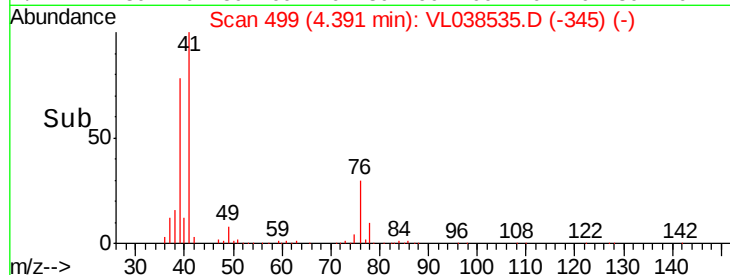
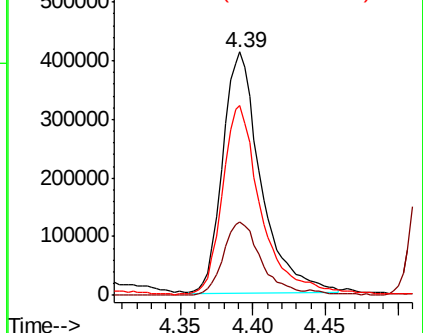
41 100

76 31.2 25.4 38.0

39 78.2 63.0 94.6



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.720 ppbv

RT: 4.86 min Scan# 645

Delta R.T. -0.01 min

Lab File: VL038535.D

Acq: 4 Mar 2022 15:51

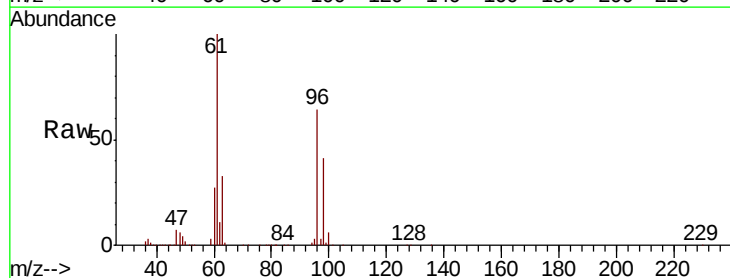
Tgt Ion: 96 Resp: 530850

Ion Ratio Lower Upper

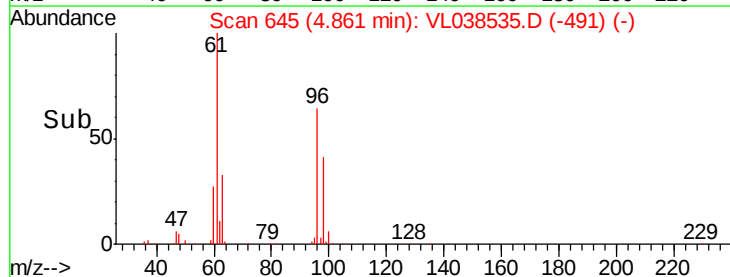
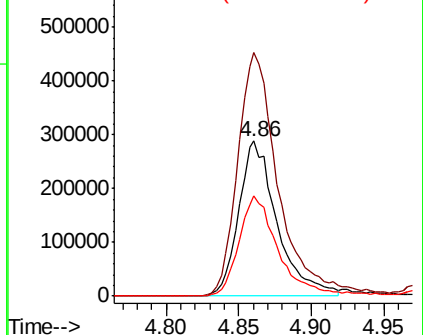
96 100

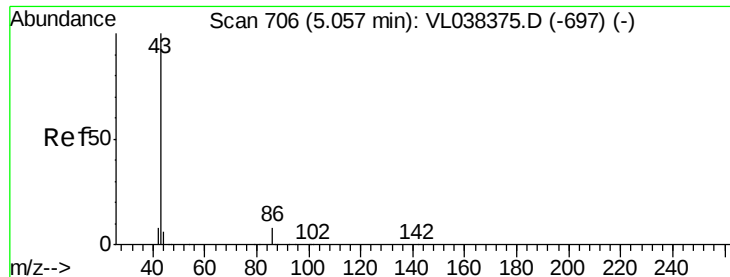
61 157.4 124.2 186.4

98 65.0 49.1 73.7



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.970 ppbv

RT: 5.05 Instrument:

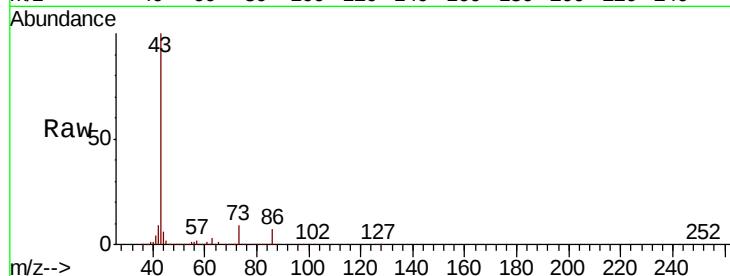
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

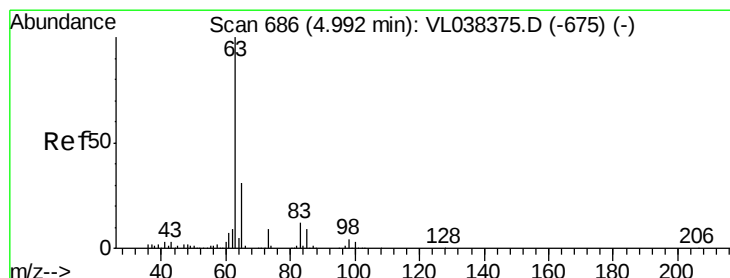
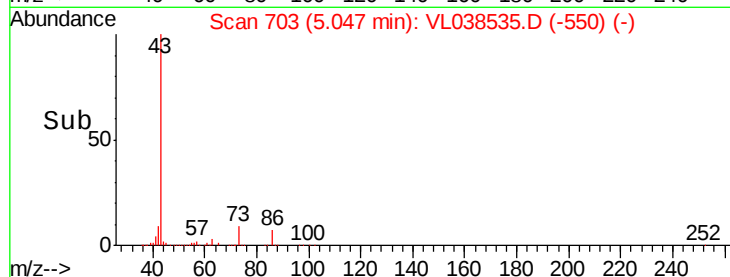
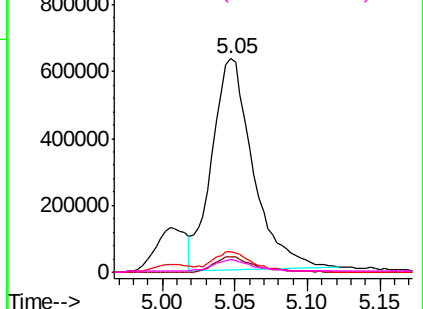
Acq: 4 Mar 2022 15:51

Tot Ion: 43 Resp: 1243135

Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.8	8.6
42	9.3	7.4	11.0
44	5.6	4.2	6.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
 1000000 Ion 86.10 (85.80 to 86.80): VL0
 800000 Ion 42.10 (41.80 to 42.80): VL0
 600000 Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.485 ppbv

RT: 4.99 min Scan# 684

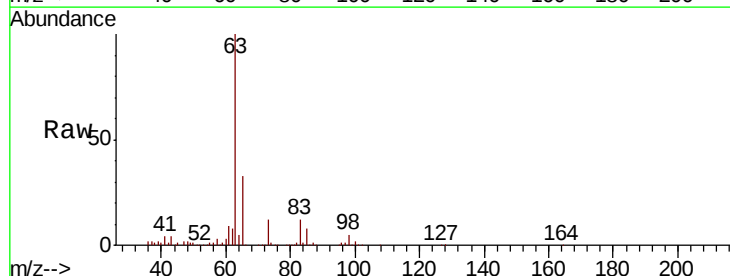
Delta R.T. -0.01 min

Lab File: VL038535.D

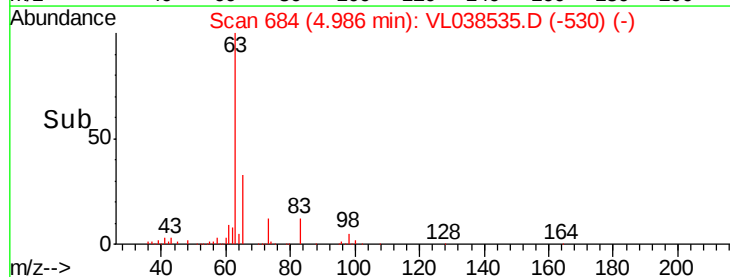
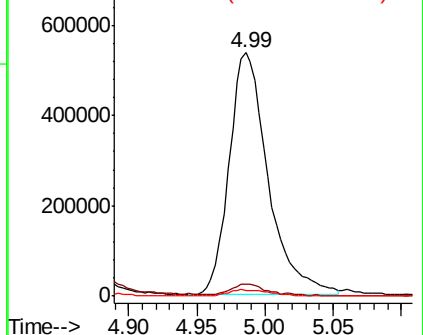
Acq: 4 Mar 2022 15:51

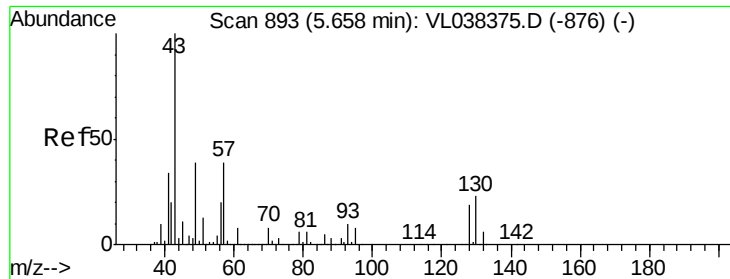
Tgt Ion: 63 Resp: 1068235

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.5
100	2.3	1.4	4.2



Abundance Ion 63.10 (62.80 to 63.80): VL0
 600000 Ion 98.00 (97.70 to 98.70): VL0
 400000 Ion 100.00 (99.70 to 100.70): VL0

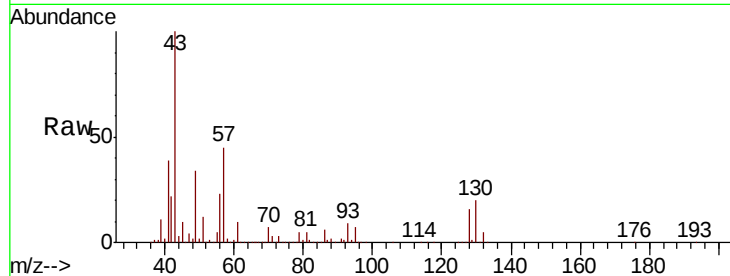




#25
Ethyl Acetate
Concen: 10.244 ppbv
RT: 5.65 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 4 Mar 2022 15:51

Tot Ion: 43 Resp: 2353434

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.8	11.6
61	9.8	7.5	11.3
70	6.6	5.4	8.0



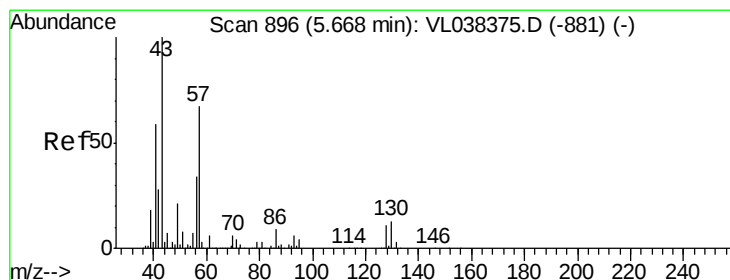
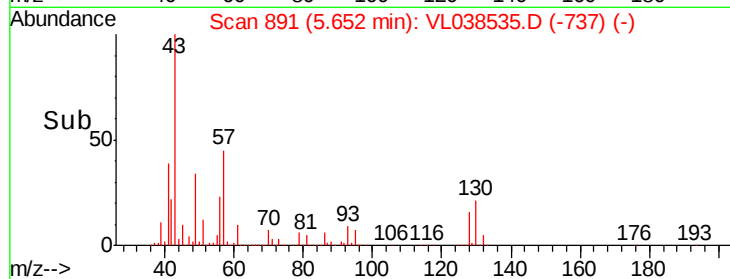
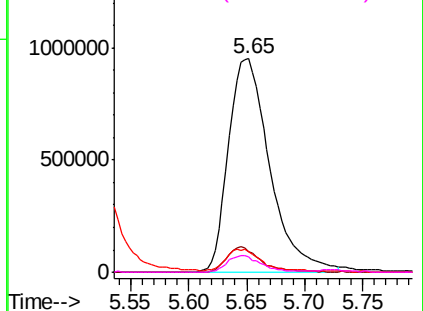
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

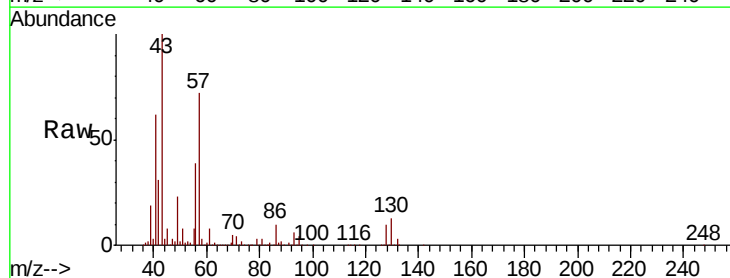
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.396 ppbv
RT: 5.66 min Scan# 894
Delta R.T.: -0.01 min
Lab File: VL038535.D
Acq: 4 Mar 2022 15:51

Tgt Ion: 57 Resp: 1081558

Ion	Ratio	Lower	Upper
57	100		
41	89.2	73.1	109.7
43	222.7	181.0	271.4
56	53.7	43.4	65.0



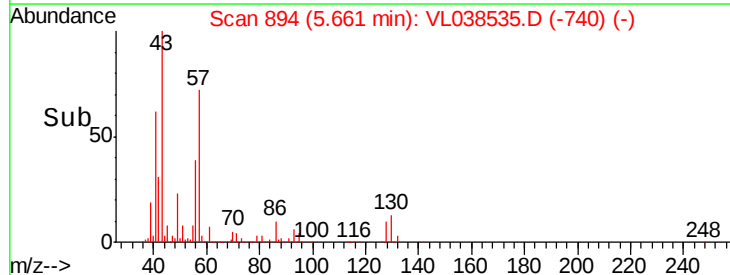
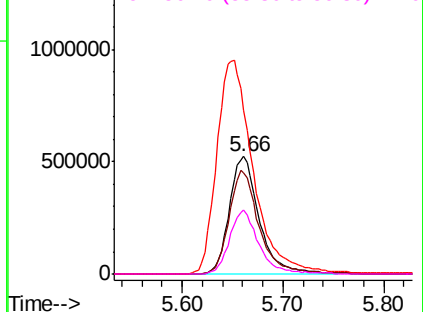
Abundance

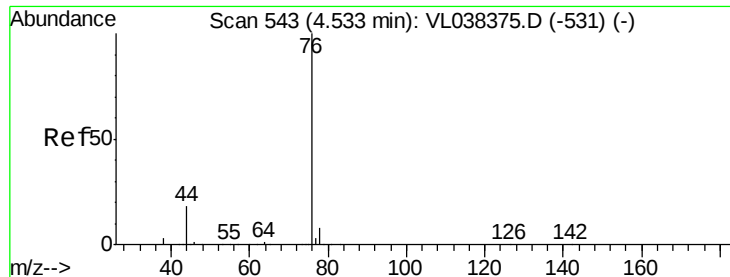
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.322 ppbv

RT: 4.53 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 4 Mar 2022 15:51

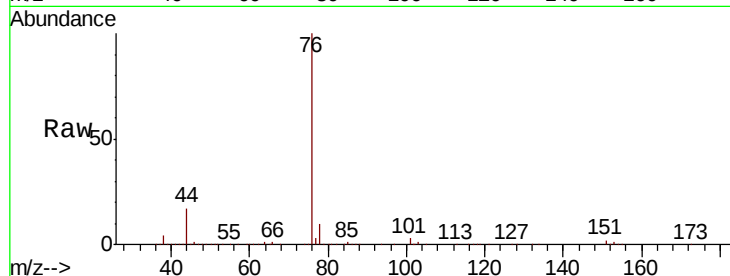
Tot Ion: 76 Resp: 1310255

Ion Ratio Lower Upper

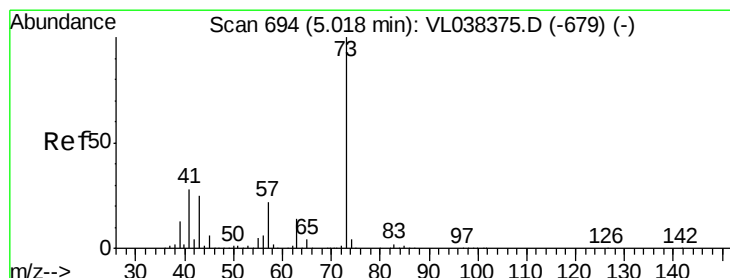
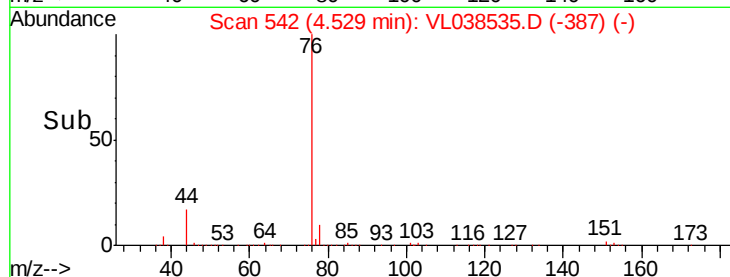
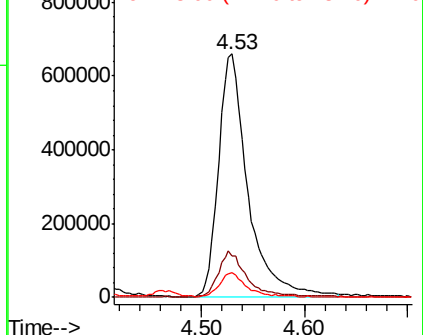
76 100

44 17.9 14.2 21.2

78 9.9 7.8 11.6



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: 10.560 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.01 min

Lab File: VL038535.D

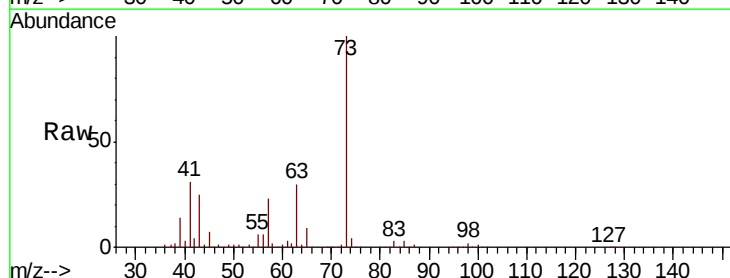
Acq: 4 Mar 2022 15:51

Tgt Ion: 73 Resp: 1119034

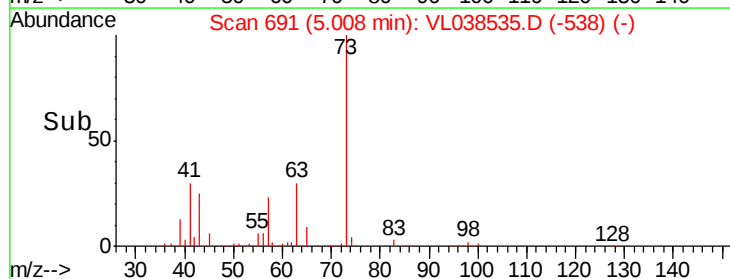
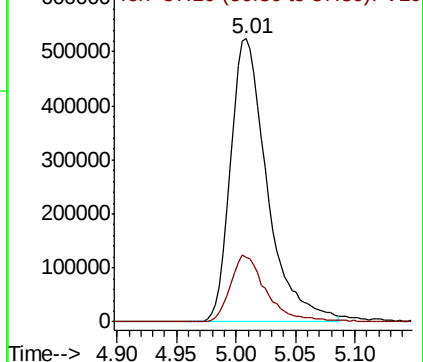
Ion Ratio Lower Upper

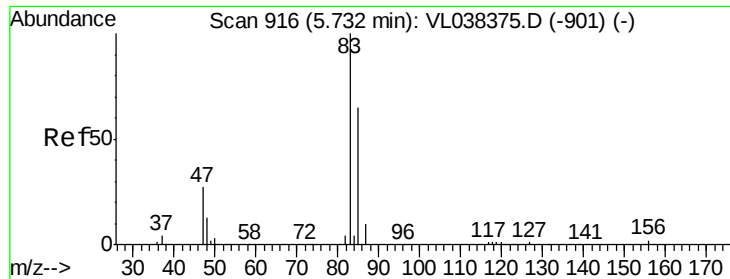
73 100

57 23.5 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.352 ppbv

RT: 5.73 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

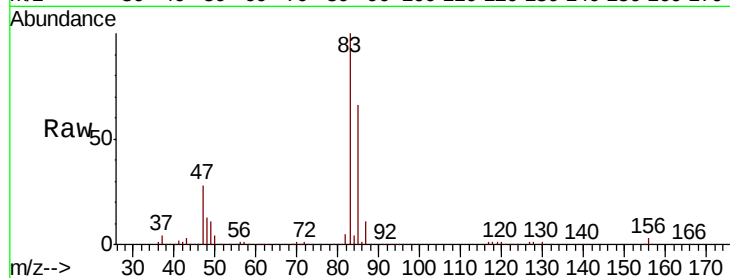
Acq: 4 Mar 2022 15:51

Tot Ion: 83 Resp: 1757790

Ion Ratio Lower Upper

83 100

85 65.7 51.6 77.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

800000

600000

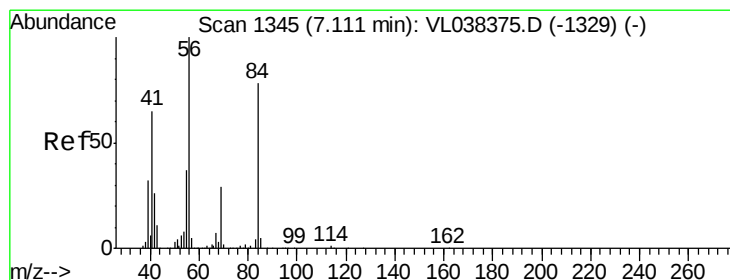
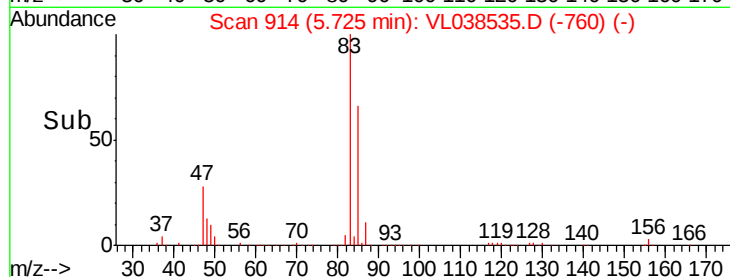
400000

200000

0

5.65 5.70 5.75 5.80

Time-->



#30

Cyclohexane

Concen: 10.513 ppbv

RT: 7.10 min Scan# 1341

Delta R.T. -0.01 min

Lab File: VL038535.D

Acq: 4 Mar 2022 15:51

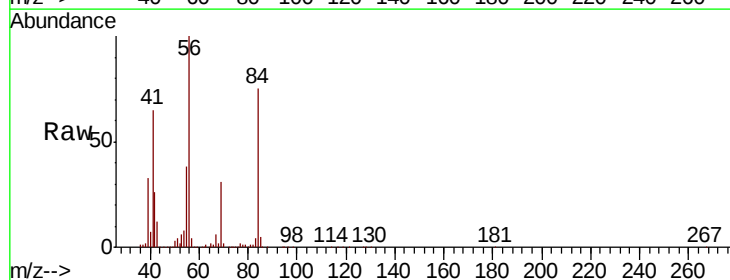
Tgt Ion: 84 Resp: 894546

Ion Ratio Lower Upper

84 100

56 144.9 116.2 174.4

41 89.6 74.3 111.5



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

600000

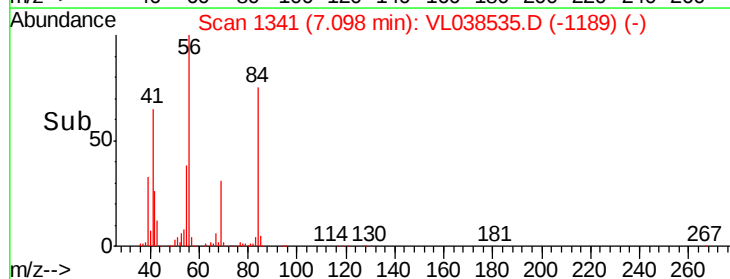
400000

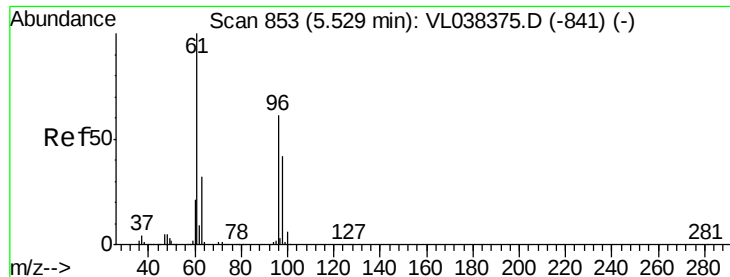
200000

0

7.00 7.05 7.10 7.15 7.20

Time-->





#31

cis-1,2-Dichloroethene

Concen: 10.642 ppbv

RT: 5.52 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 4 Mar 2022 15:51

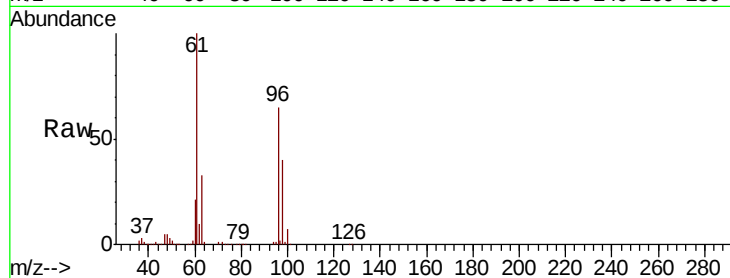
Tot Ion: 61 Resp: 1072696

Ion Ratio Lower Upper

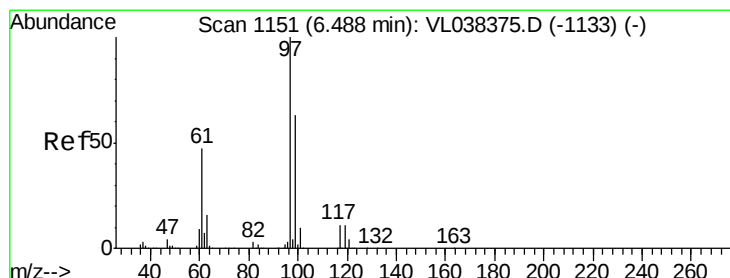
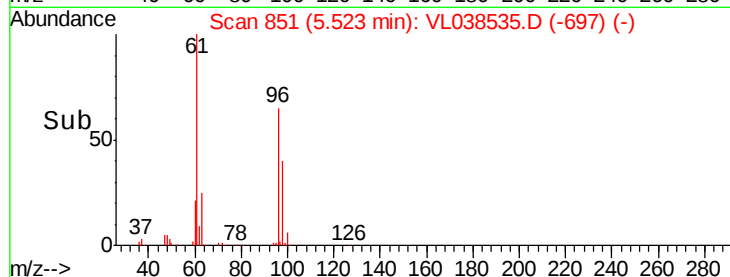
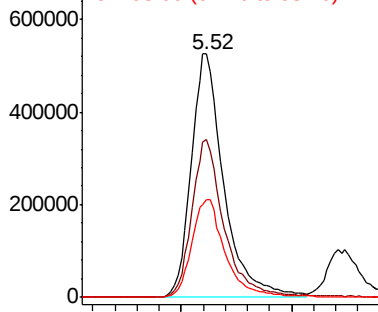
61 100

96 64.8 48.6 73.0

98 40.3 33.2 49.8



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 10.378 ppbv

RT: 6.48 min Scan# 1149

Delta R.T. -0.01 min

Lab File: VL038535.D

Acq: 4 Mar 2022 15:51

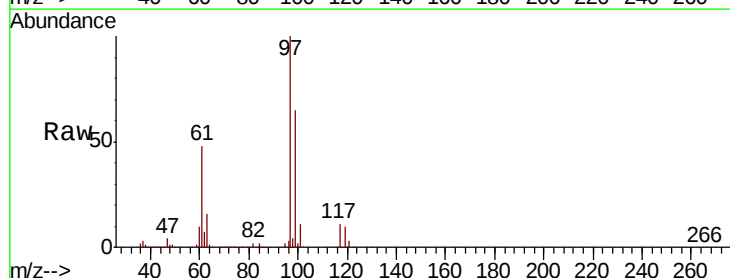
Tgt Ion: 97 Resp: 1772121

Ion Ratio Lower Upper

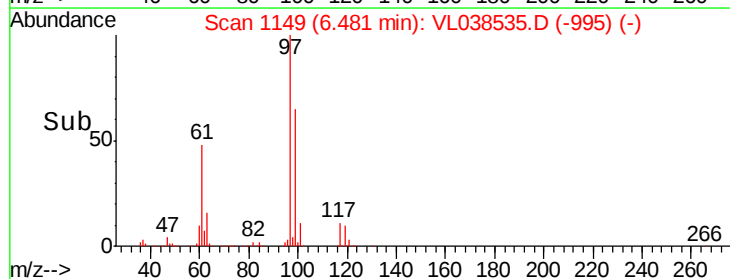
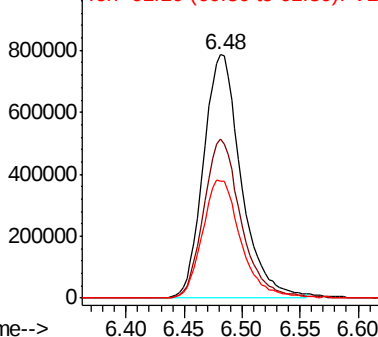
97 100

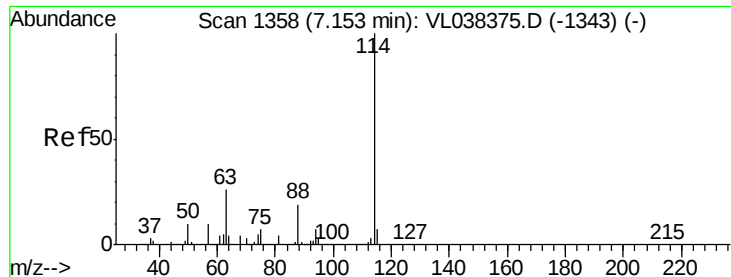
99 65.0 51.9 77.9

61 49.6 40.5 60.7



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 4 Mar 2022 15:51

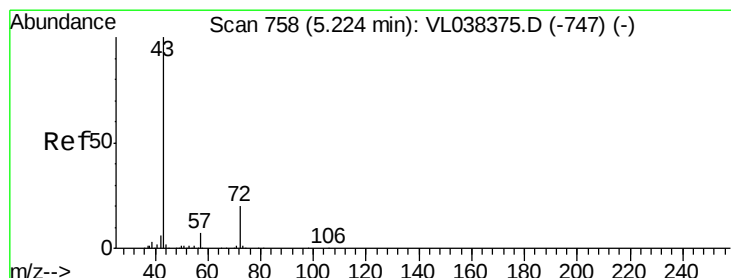
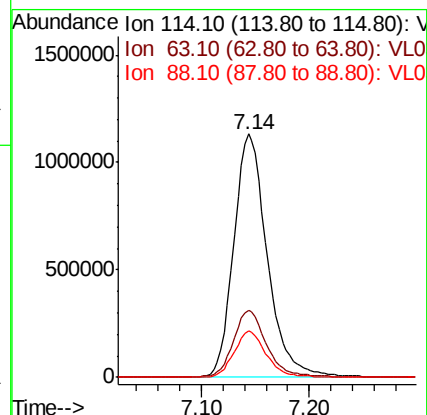
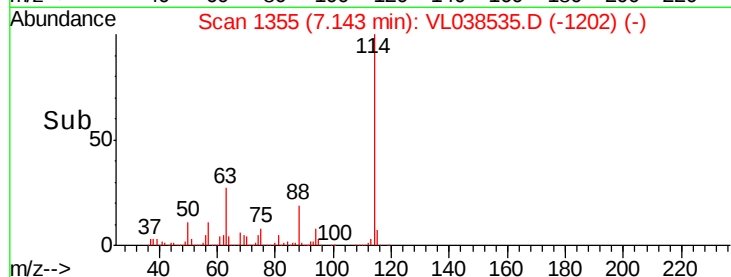
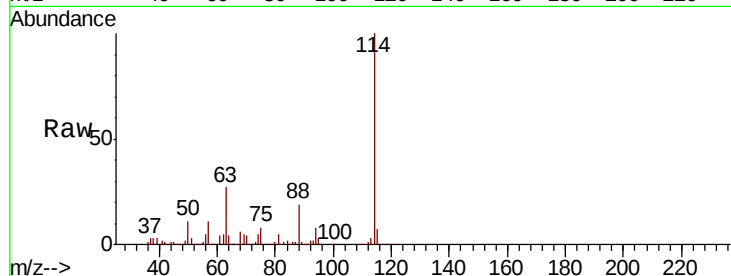
Tot Ion:114 Resp: 2445635

Ion Ratio Lower Upper

114 100

63 27.7 22.2 33.2

88 18.6 15.2 22.8



#34

2-Butanone

Concen: 11.107 ppbv

RT: 5.22 min Scan# 756

Delta R.T. -0.01 min

Lab File: VL038535.D

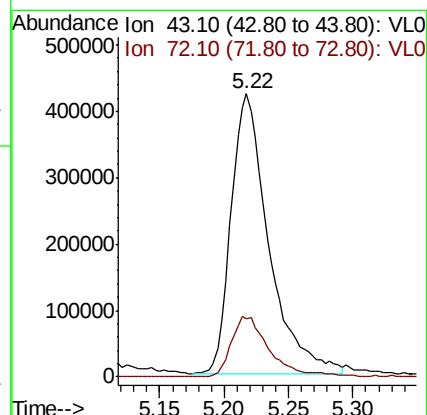
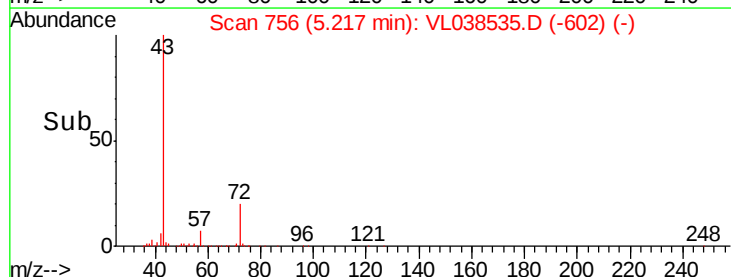
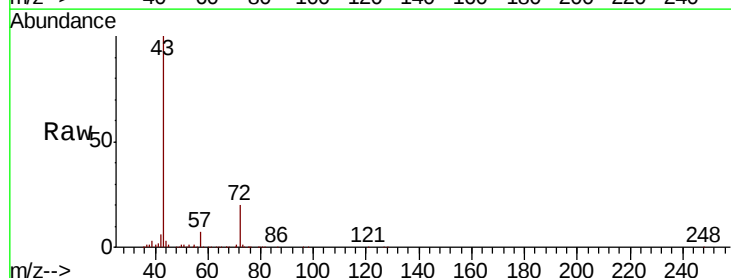
Acq: 4 Mar 2022 15:51

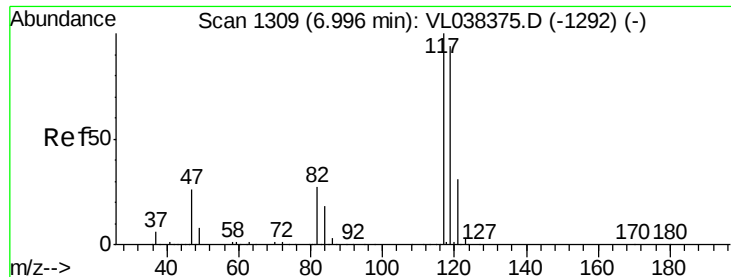
Tgt Ion: 43 Resp: 854318

Ion Ratio Lower Upper

43 100

72 22.5 17.4 26.2





#35

Carbon Tetrachloride

Concen: 10.776 ppbv

RT: 6.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 4 Mar 2022 15:51

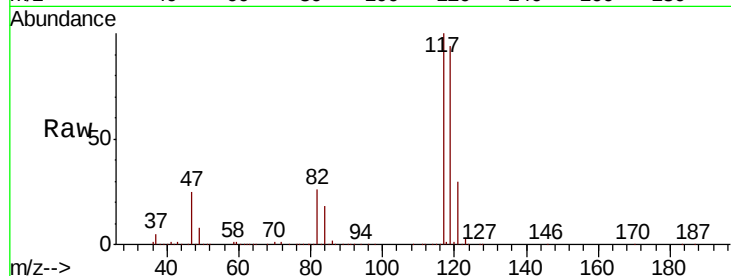
Tot Ion:117 Resp: 1853234

Ion Ratio Lower Upper

117 100

119 93.9 74.9 112.3

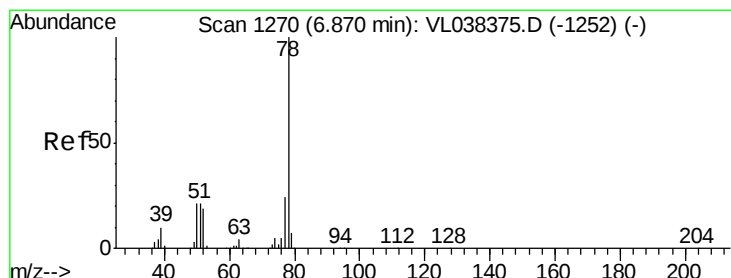
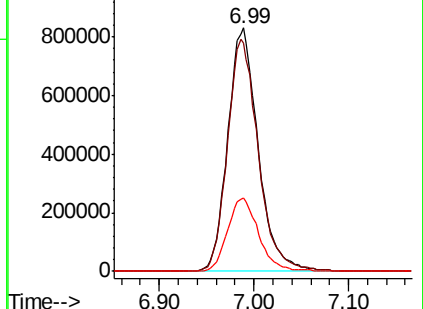
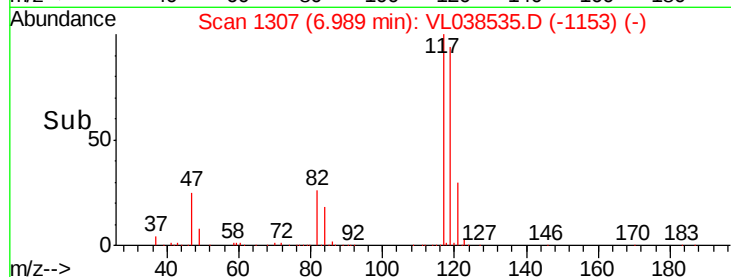
121 30.1 24.8 37.2



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: 10.518 ppbv

RT: 6.86 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VL038535.D

Acq: 4 Mar 2022 15:51

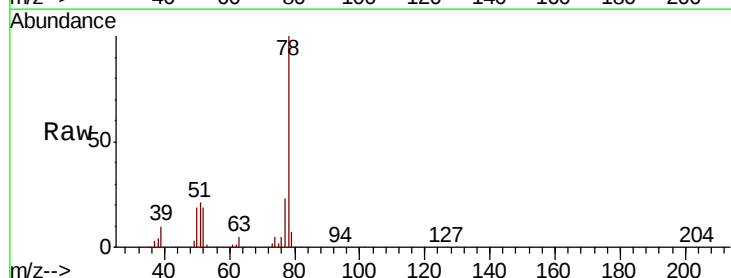
Tgt Ion: 78 Resp: 2264505

Ion Ratio Lower Upper

78 100

77 23.1 19.0 28.6

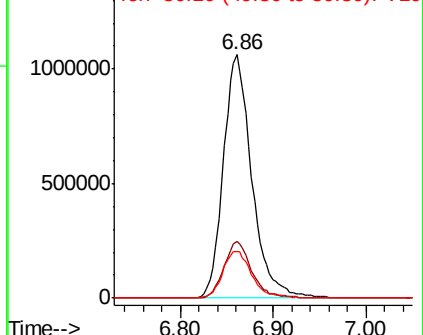
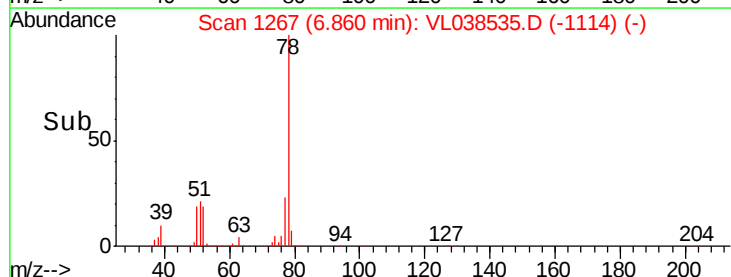
50 18.9 16.6 24.8

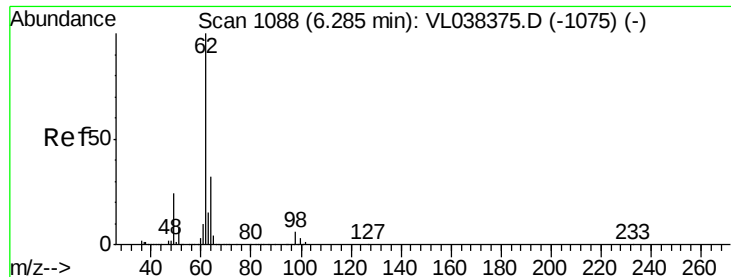


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.911 ppbv

RT: 6.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

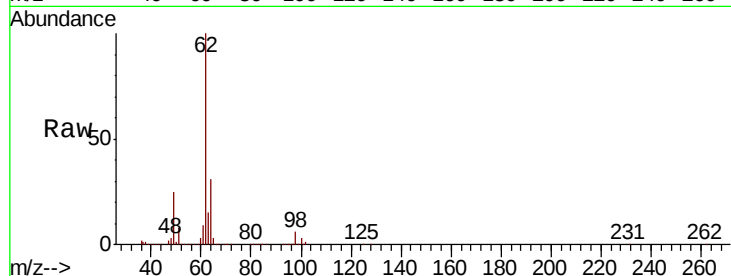
Acq: 4 Mar 2022 15:51

Tot Ion: 62 Resp: 1357438

Ion Ratio Lower Upper

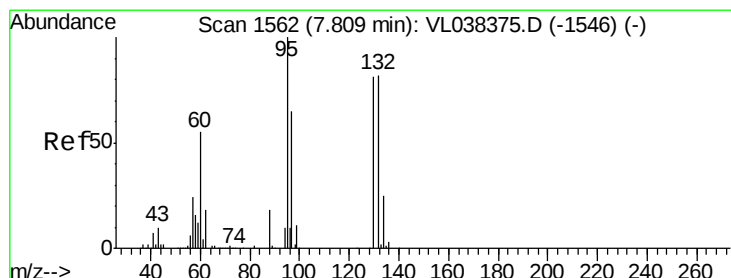
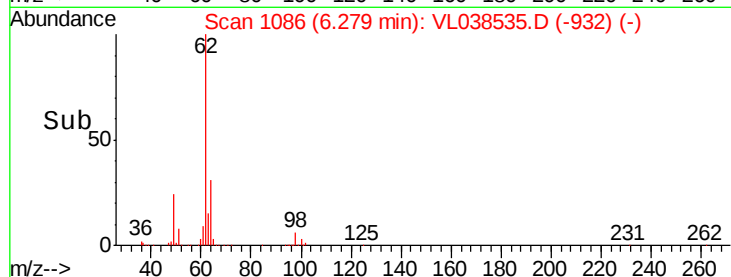
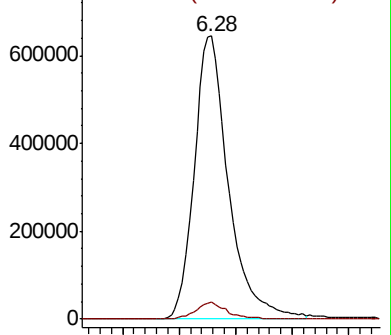
62 100

98 5.8 4.6 7.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.392 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.01 min

Lab File: VL038535.D

Acq: 4 Mar 2022 15:51

Tgt Ion:130 Resp: 814966

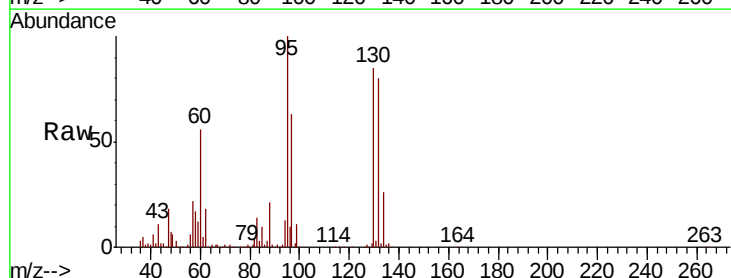
Ion Ratio Lower Upper

130 100

95 118.6 98.1 147.1

132 94.8 80.3 120.5

97 74.7 63.5 95.3

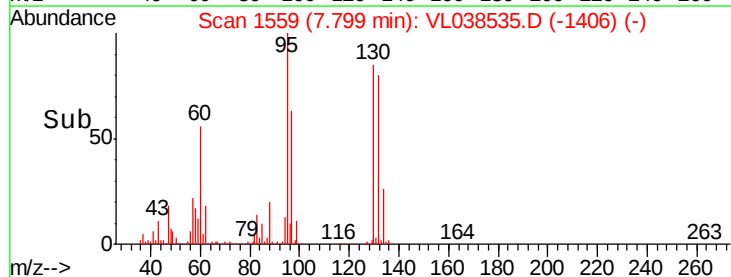
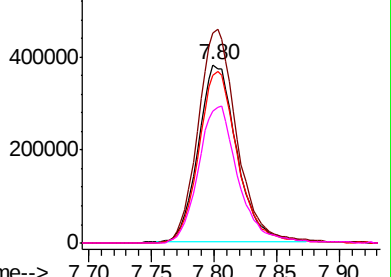


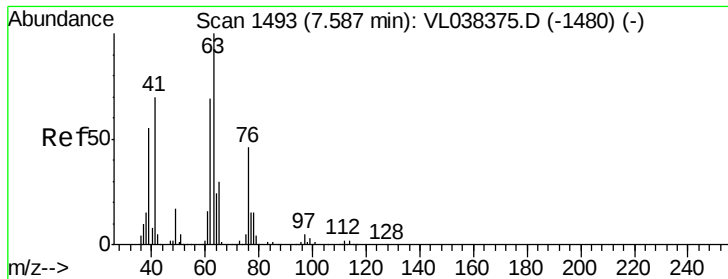
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 10.445 ppbv

RT: 7.58 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 4 Mar 2022 15:51

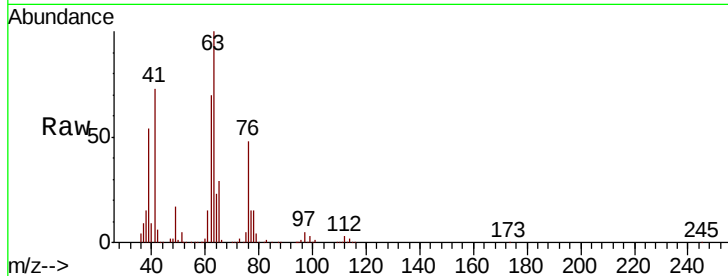
Tot Ion: 63 Resp: 895711

Ion Ratio Lower Upper

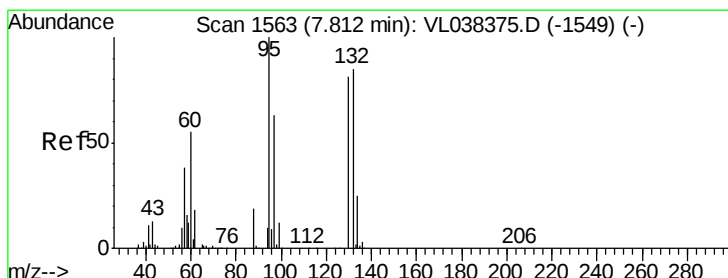
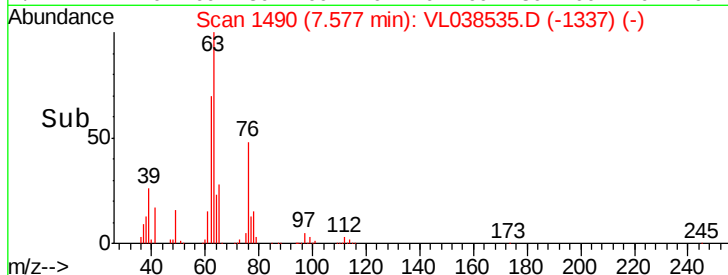
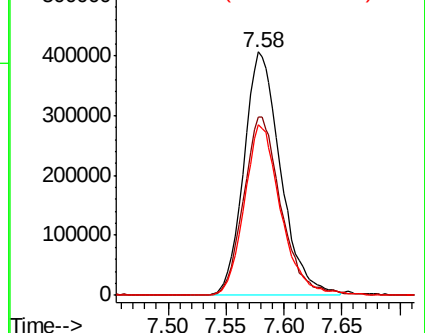
63 100

41 73.0 56.1 84.1

62 70.2 55.5 83.3



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: 11.579 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. -0.02 min

Lab File: VL038535.D

Acq: 4 Mar 2022 15:51

Tgt Ion: 88 Resp: 235523

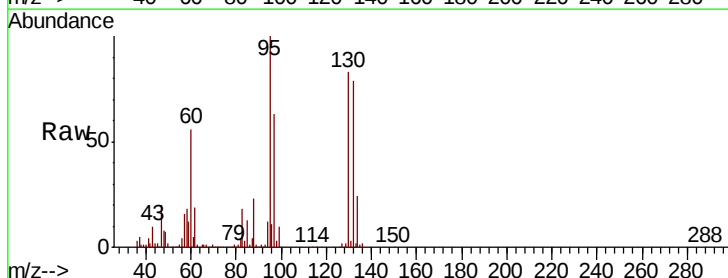
Ion Ratio Lower Upper

88 100

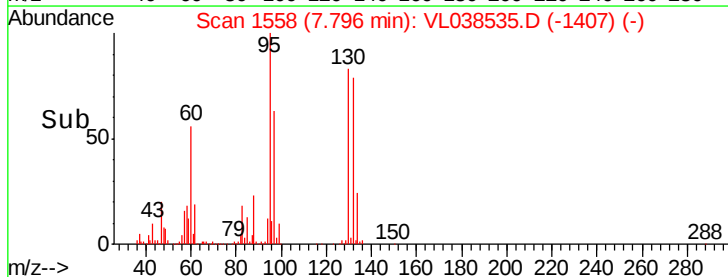
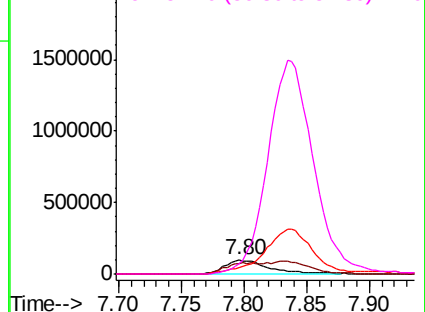
58 156.1 133.2 199.8

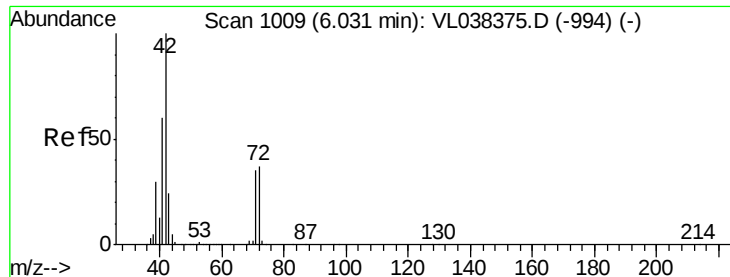
43 359.2 330.6 496.0

57 1620.7 1462.7 2194.1



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: 10.736 ppbv

RT: 6.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 4 Mar 2022 15:51

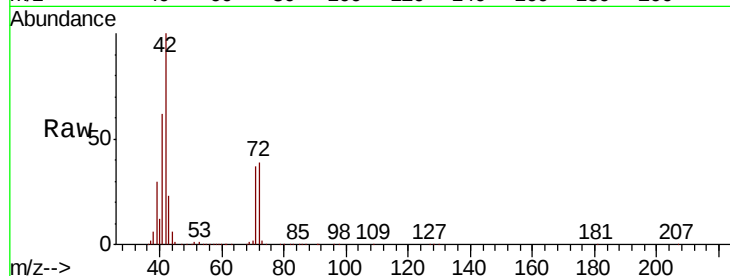
Tot Ion: 42 Resp: 557948

Ion Ratio Lower Upper

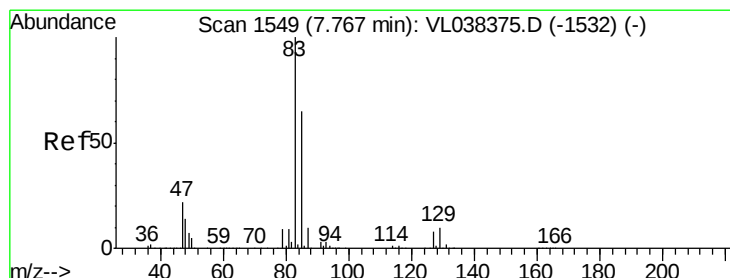
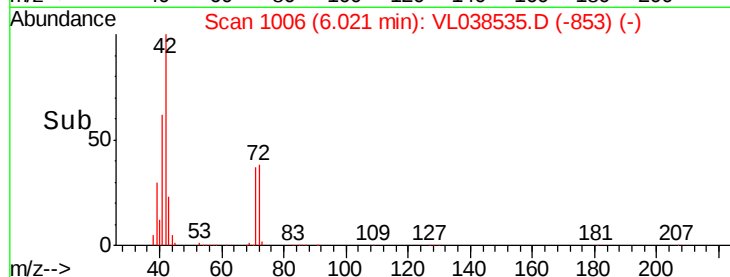
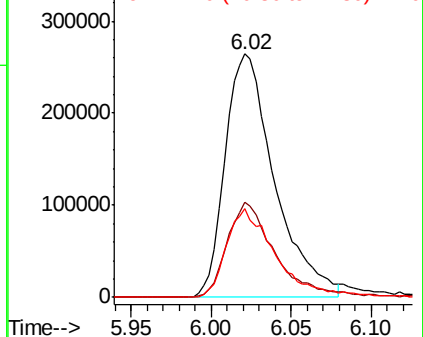
42 100

72 38.6 29.9 44.9

71 37.2 28.6 42.8



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: 11.032 ppbv

RT: 7.76 min Scan# 1546

Delta R.T. -0.01 min

Lab File: VL038535.D

Acq: 4 Mar 2022 15:51

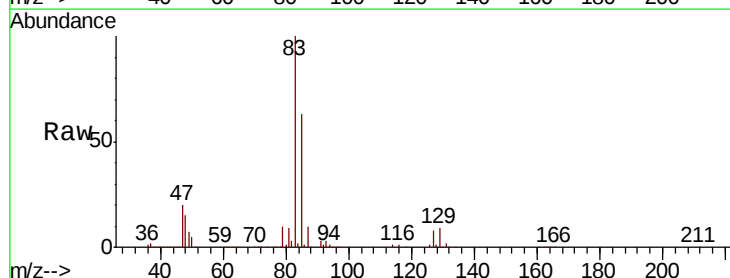
Tgt Ion: 83 Resp: 1981923

Ion Ratio Lower Upper

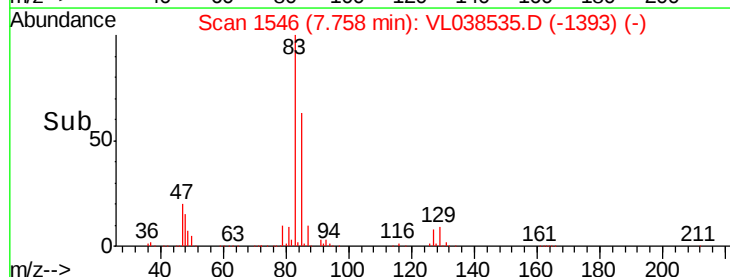
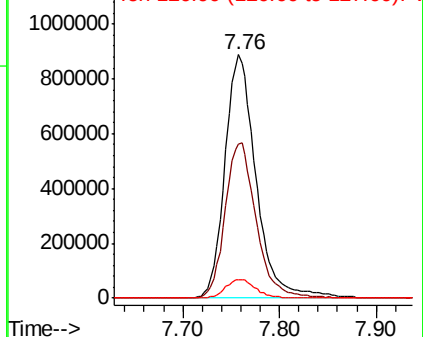
83 100

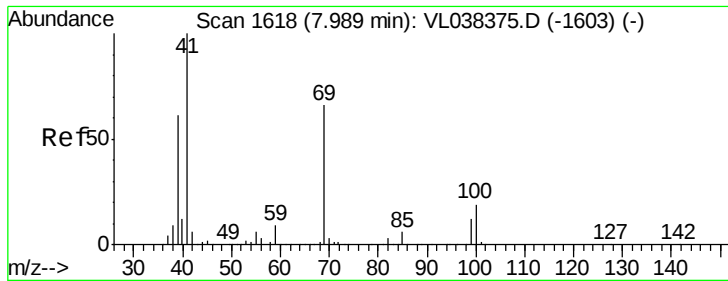
85 63.1 52.2 78.4

127 7.7 6.2 9.4



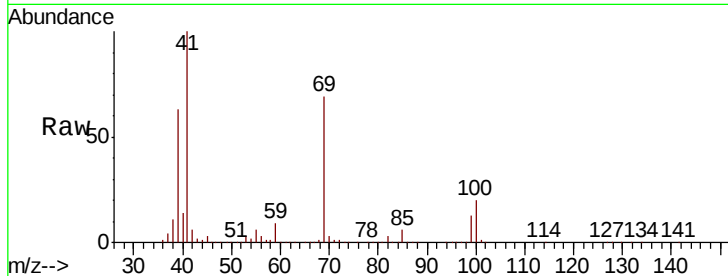
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





#43
Methyl Methacrylate
Concen: 11.415 ppbv
RT: 7.98 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 4 Mar 2022 15:51

Tot Ion	Ratio	Lower	Upper
69	100		
41	150.1	122.9	184.3
100	28.9	23.6	35.4

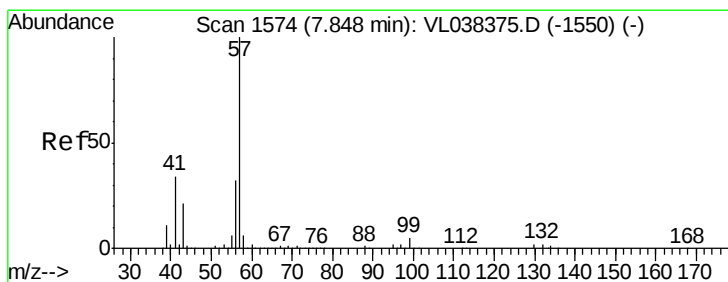
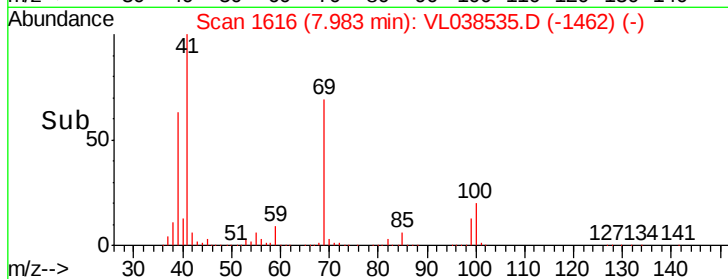
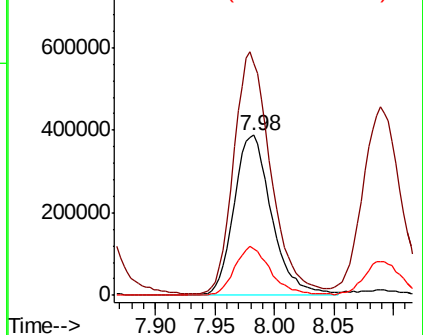


Abundance

Ion 69.10 (68.80 to 69.80): VL0

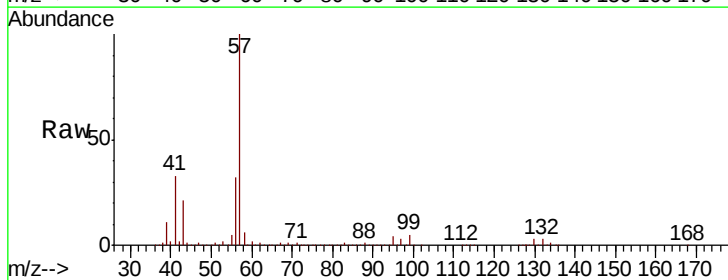
Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44
2,2,4-Trimethylpentane
Concen: 10.287 ppbv
RT: 7.83 min Scan# 1570
Delta R.T.: -0.01 min
Lab File: VL038535.D
Acq: 4 Mar 2022 15:51

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.6	39.8
56	31.9	25.0	37.6

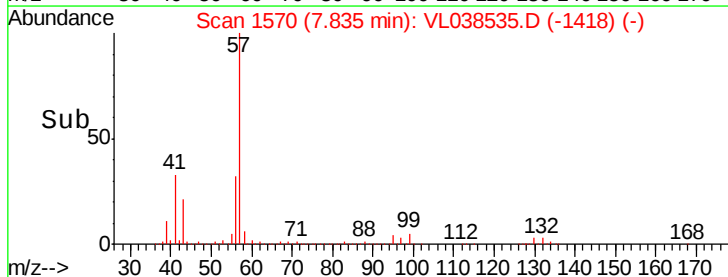
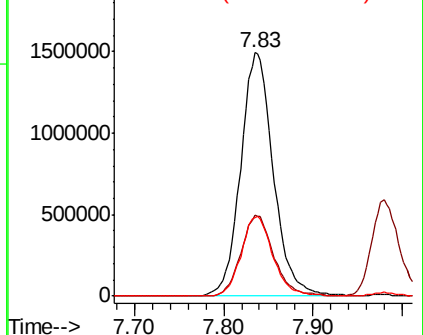


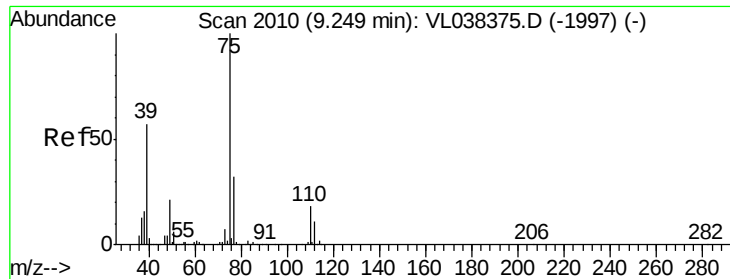
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

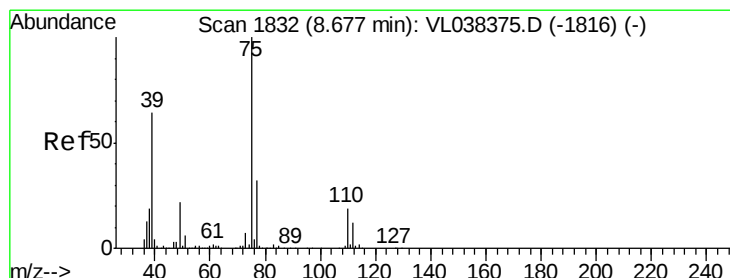
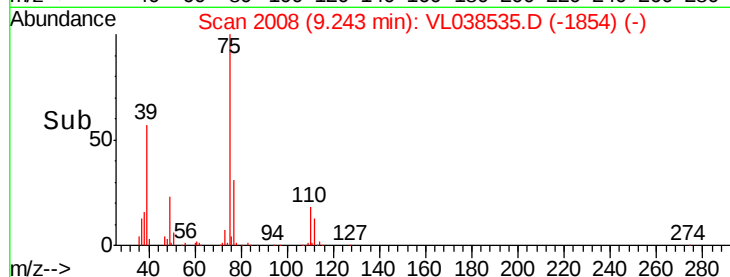
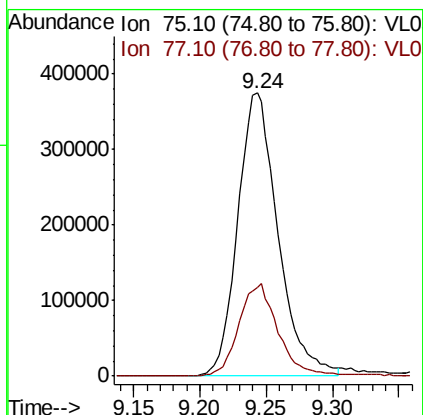
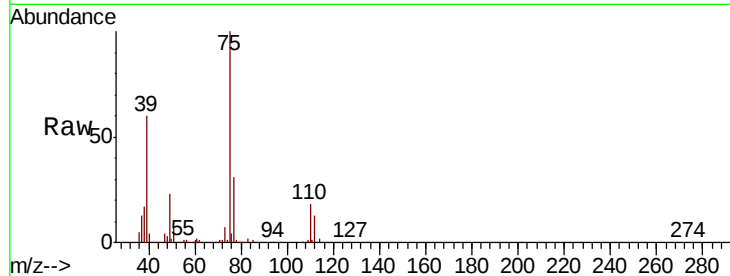
Ion 56.10 (55.80 to 56.80): VL0





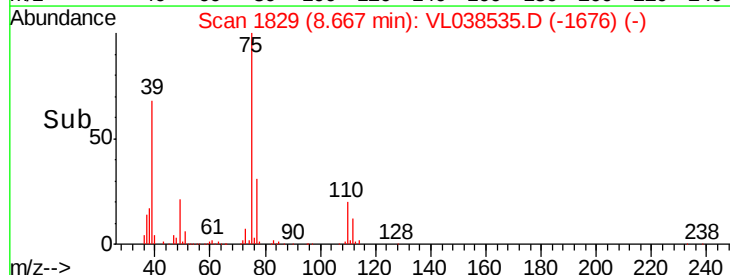
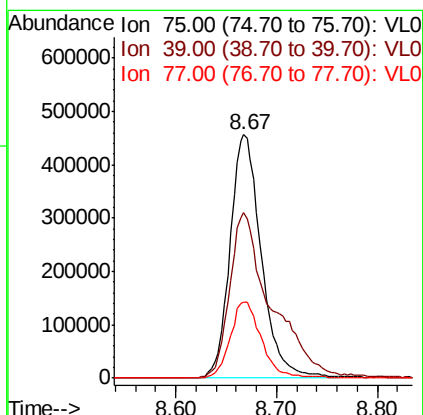
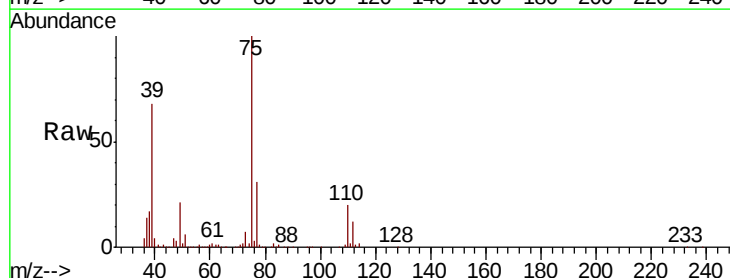
#45
 t-1,3-Dichloropropene
 Concen: 13.269 ppbv
 RT: 9.24 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 4 Mar 2022 15:51

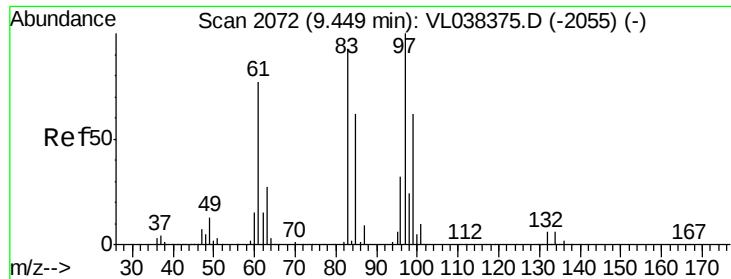
Tot Ion: 75 Resp: 793679
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.4 38.0



#46
 cis-1,3-Dichloropropene
 Concen: 12.546 ppbv
 RT: 8.67 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: VL038535.D
 Acq: 4 Mar 2022 15:51

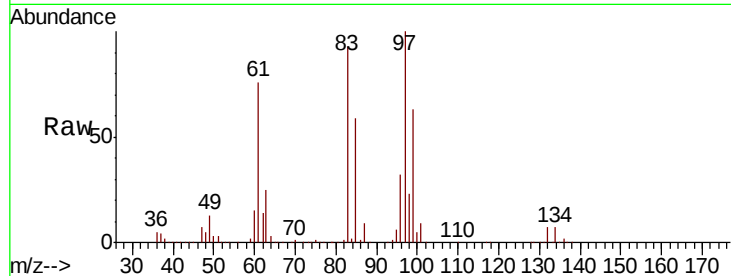
Tgt Ion: 75 Resp: 983546
 Ion Ratio Lower Upper
 75 100
 39 67.9 51.4 77.2
 77 31.5 25.4 38.2





#47
 1,1,2-Trichloroethane
 Concen: 10.587 ppbv
 RT: 9.44 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 4 Mar 2022 15:51

Tot Ion:	97	Resp:	903221
Ion	Ratio	Lower	Upper
97	100		
83	92.7	74.2	111.4
85	58.9	49.8	74.8
99	63.0	49.5	74.3



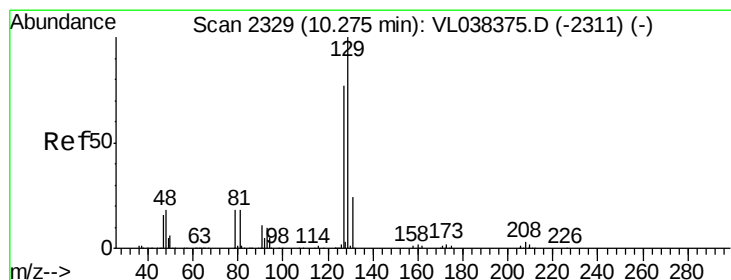
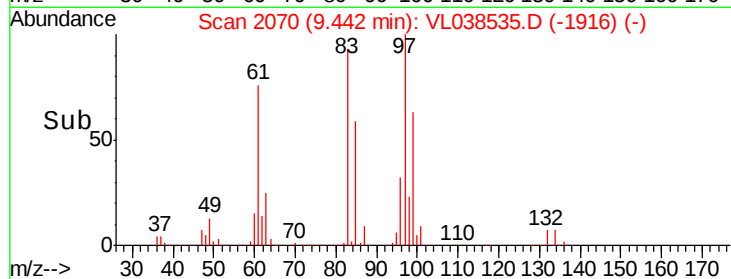
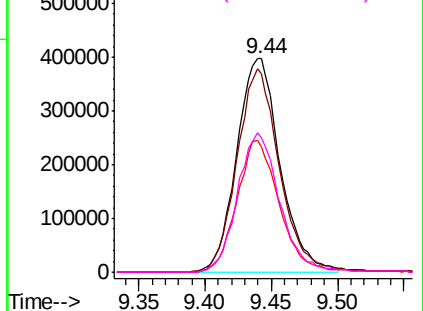
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

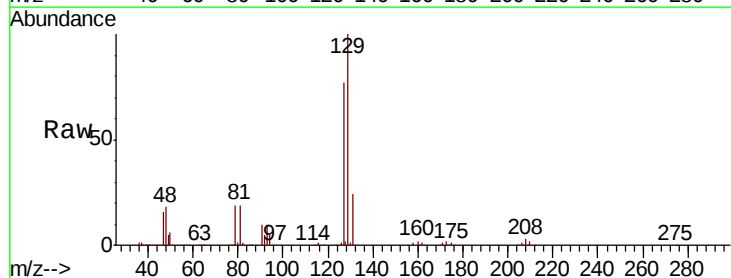
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 11.188 ppbv
 RT: 10.27 min Scan# 2326
 Delta R.T. -0.01 min
 Lab File: VL038535.D
 Acq: 4 Mar 2022 15:51

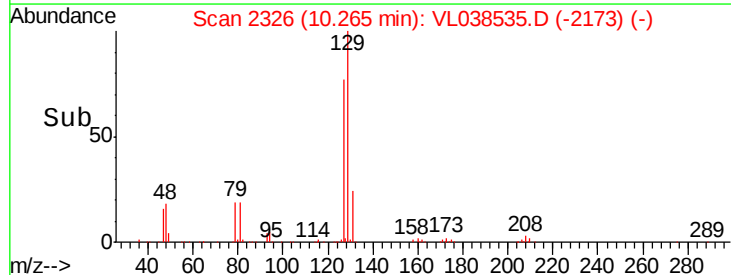
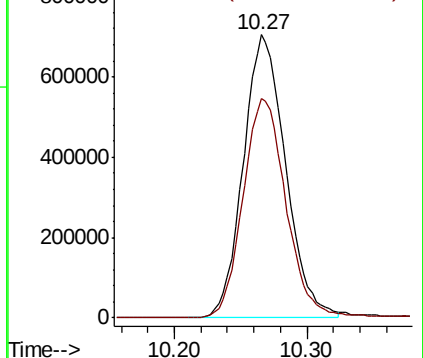
Tgt Ion:	129	Resp:	1560793
Ion	Ratio	Lower	Upper
129	100		
127	80.0	39.4	118.1

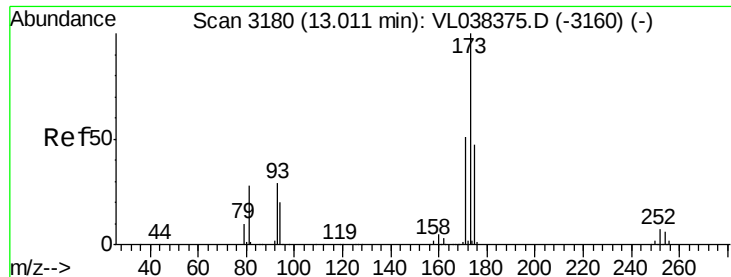


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.612 ppbv

RT: 13.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 4 Mar 2022 15:51

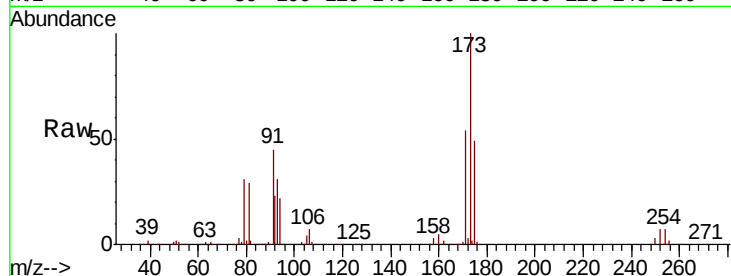
Tot Ion:173 Resp: 1195713

Ion Ratio Lower Upper

173 100

175 50.7 40.2 60.2

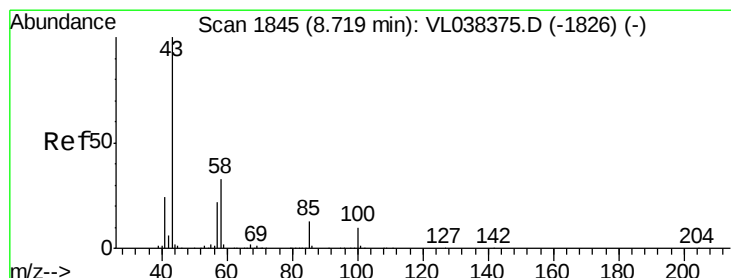
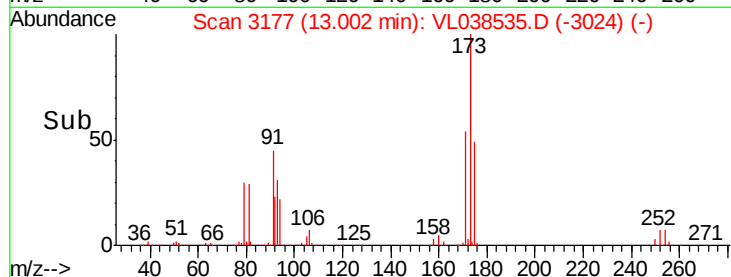
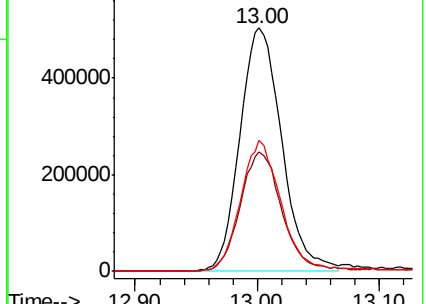
171 54.0 42.7 64.1



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: 11.592 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VL038535.D

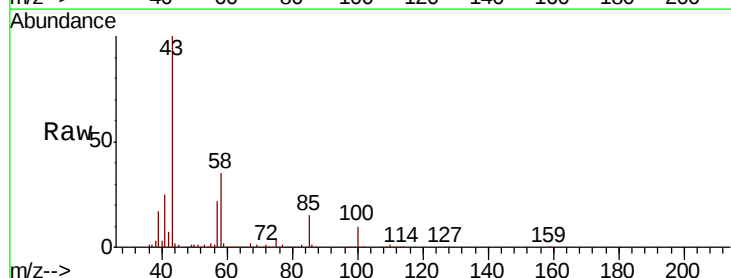
Acq: 4 Mar 2022 15:51

Tgt Ion: 43 Resp: 1576384

Ion Ratio Lower Upper

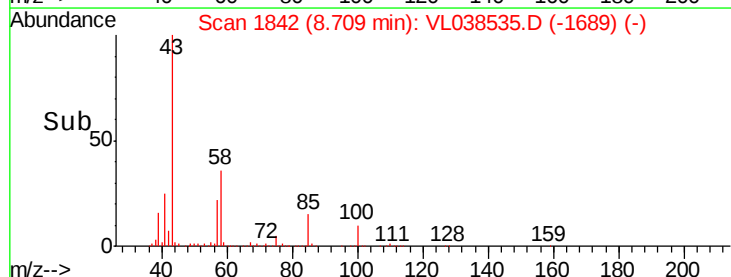
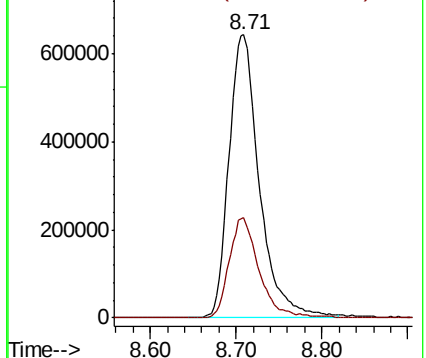
43 100

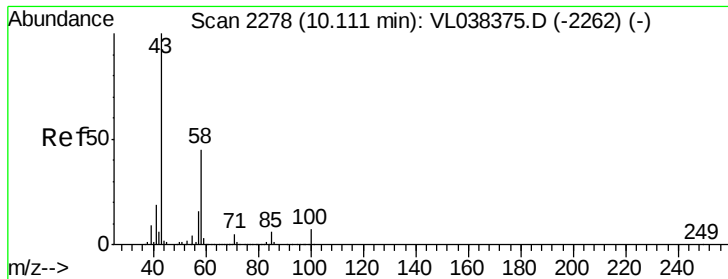
58 35.1 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.885 ppbv

RT: 10.10

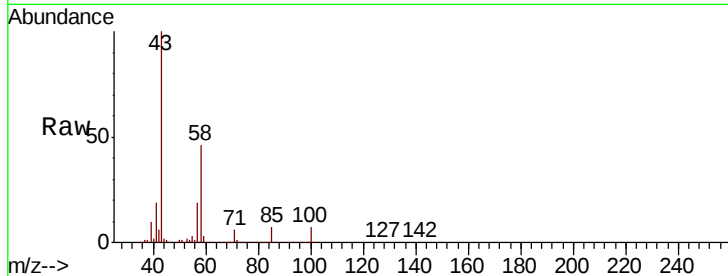
Delta R.T. MSVOA_L

Lab File:

Acq: 4 Mar 2022 15:51

Tot Ion: 43 Resp: 723622

Ion	Ratio	Lower	Upper
43	100		
58	46.6	37.4	56.0
98	0.3	0.1	0.1#

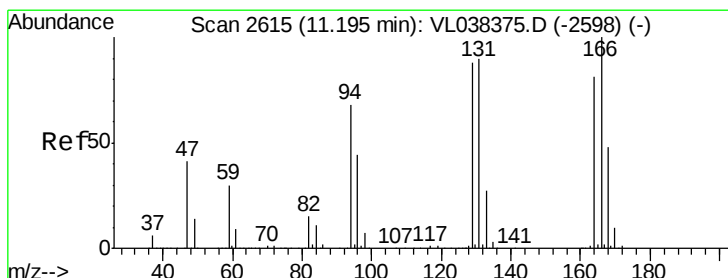
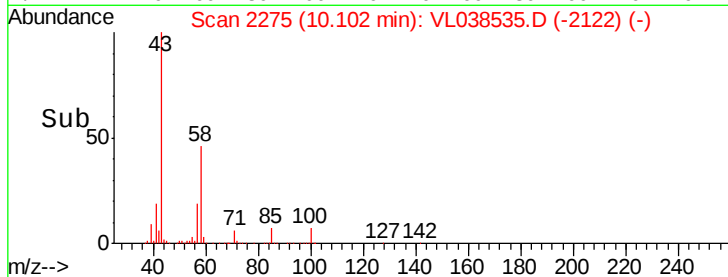
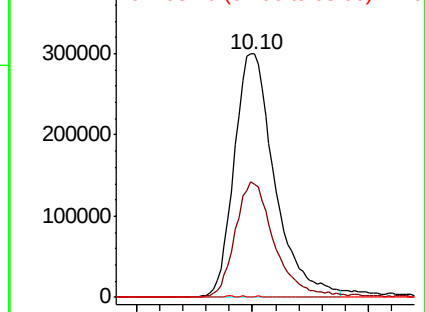


Abundance

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: 10.151 ppbv

RT: 11.19 min Scan# 2612

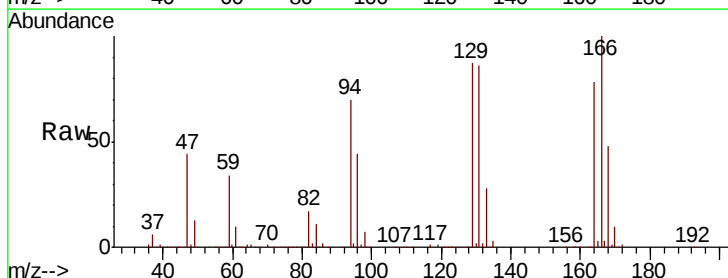
Delta R.T. -0.01 min

Lab File: VL038535.D

Acq: 4 Mar 2022 15:51

Tgt Ion: 164 Resp: 725508

Ion	Ratio	Lower	Upper
164	100		
166	127.8	98.6	148.0
129	111.4	86.9	130.3
131	109.9	88.6	133.0



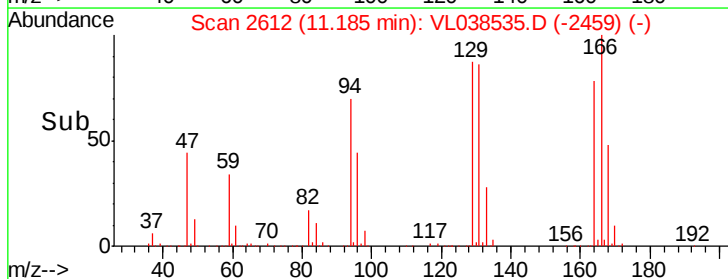
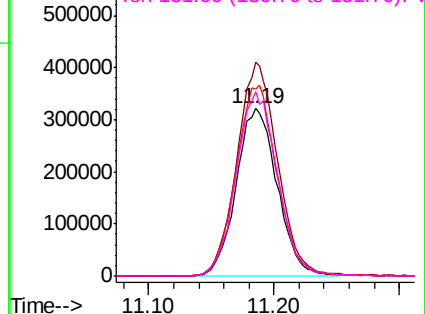
Abundance

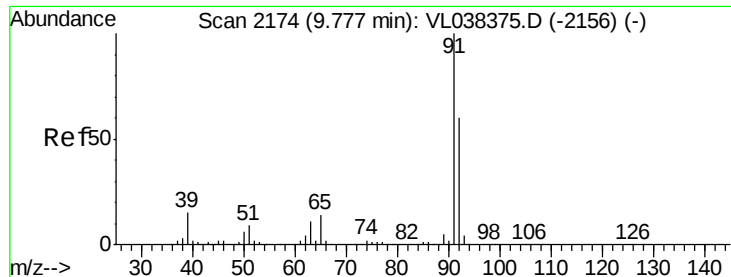
Ion 163.90 (163.60 to 164.60): V

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: 10.832 ppbv

RT: 9.77 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

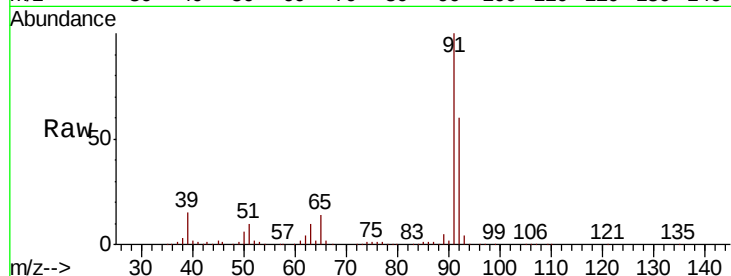
Acq: 4 Mar 2022 15:51

Tot Ion: 91 Resp: 2532034

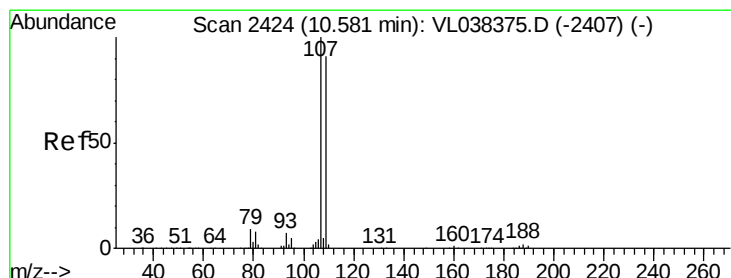
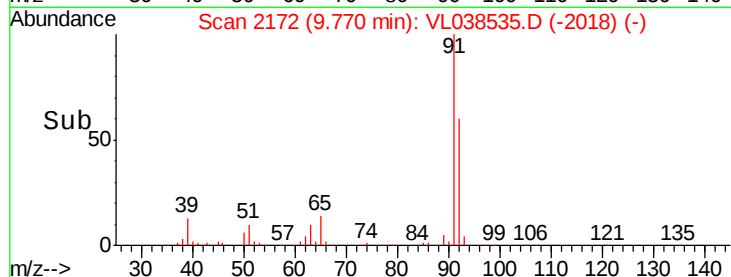
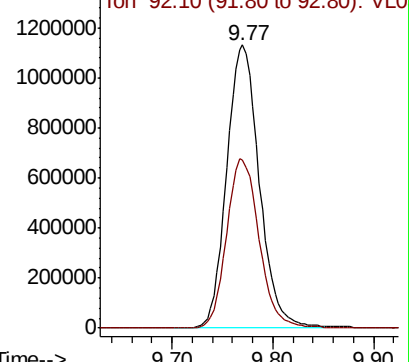
Ion Ratio Lower Upper

91 100

92 60.3 48.2 72.4



Abundance Ion 91.10 (90.80 to 91.80): VL0



#54

1,2-Dibromoethane

Concen: 11.061 ppbv

RT: 10.57 min Scan# 2421

Delta R.T. -0.01 min

Lab File: VL038535.D

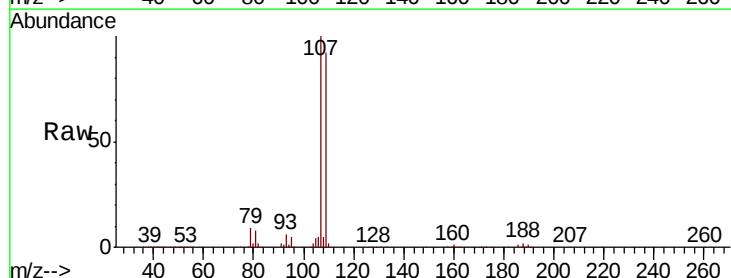
Acq: 4 Mar 2022 15:51

Tgt Ion: 107 Resp: 1328450

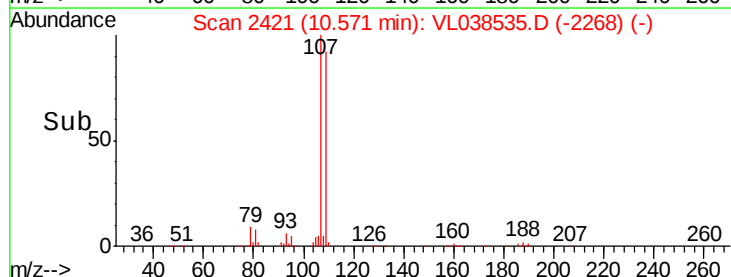
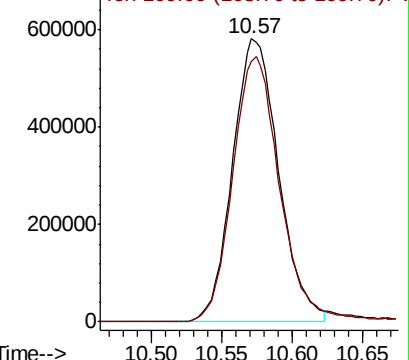
Ion Ratio Lower Upper

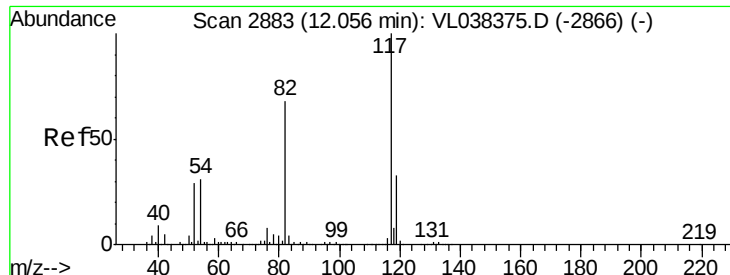
107 100

109 91.8 73.0 109.6



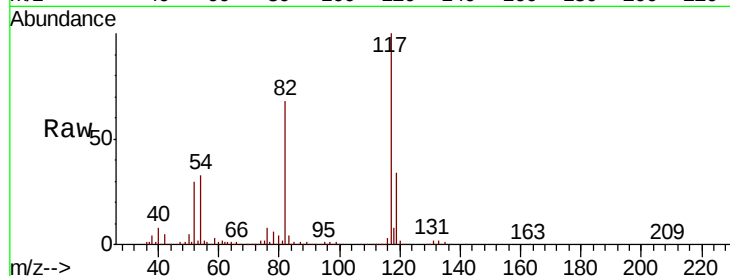
Abundance Ion 107.00 (106.70 to 107.70): V



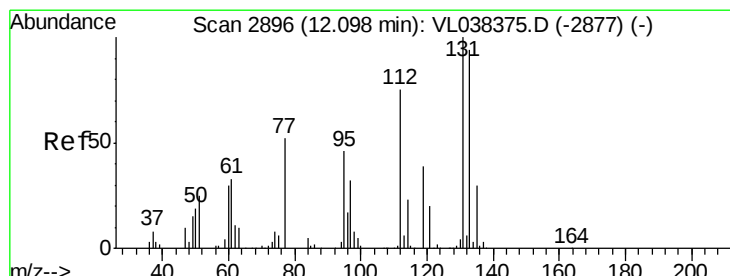
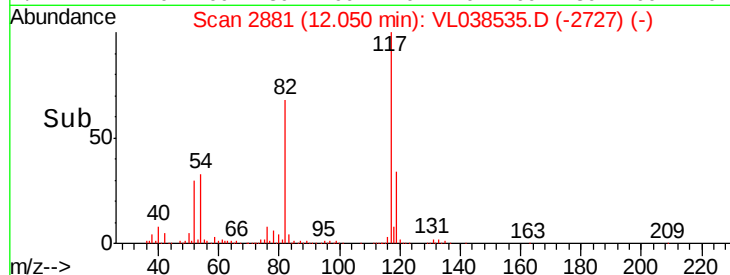
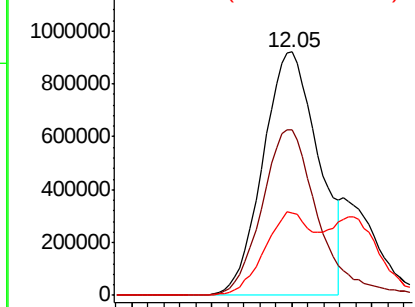


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 4 Mar 2022 15:51

Tot Ion:117 Resp: 2217616
Ion Ratio Lower Upper
117 100
82 70.5 54.9 82.3
119 27.3 46.1 69.1#

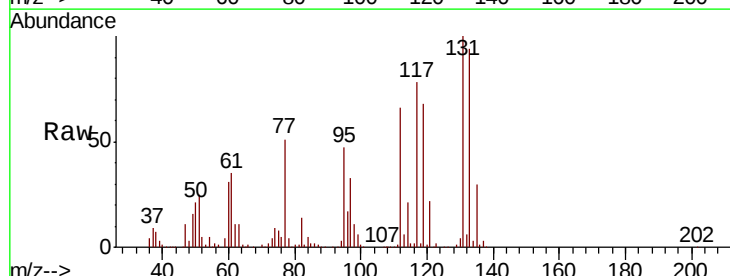


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

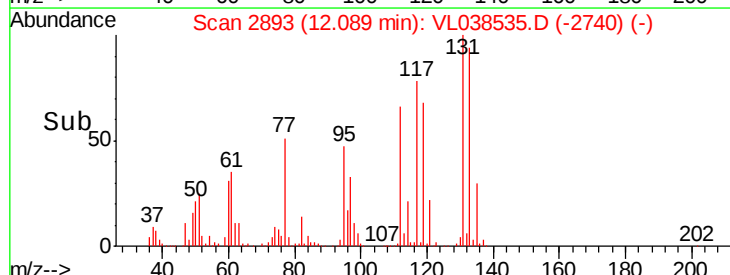
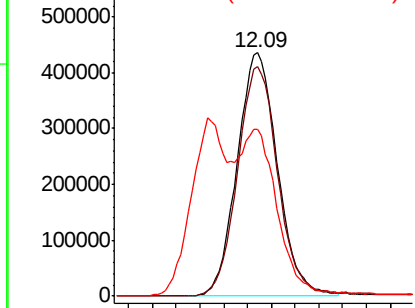


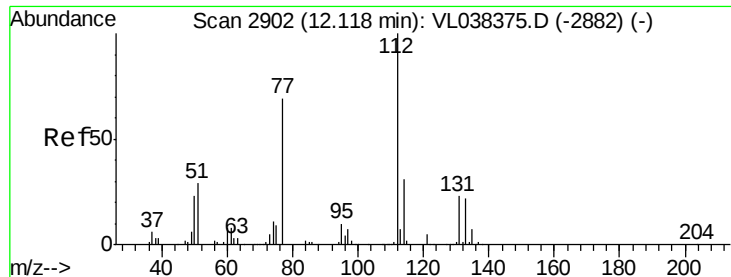
#56
1,1,1,2-Tetrachloroethane
Concen: 11.013 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL038535.D
Acq: 4 Mar 2022 15:51

Tgt Ion:131 Resp: 1017969
Ion Ratio Lower Upper
131 100
133 96.0 77.3 115.9
119 69.0 48.6 73.0



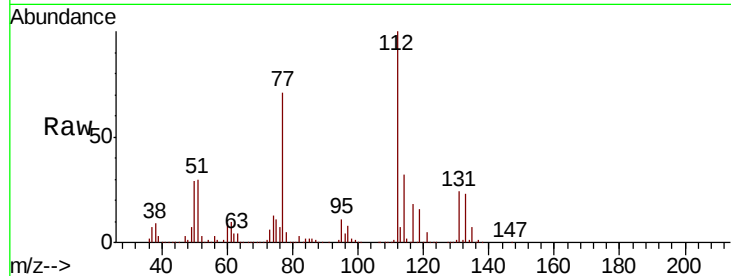
Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



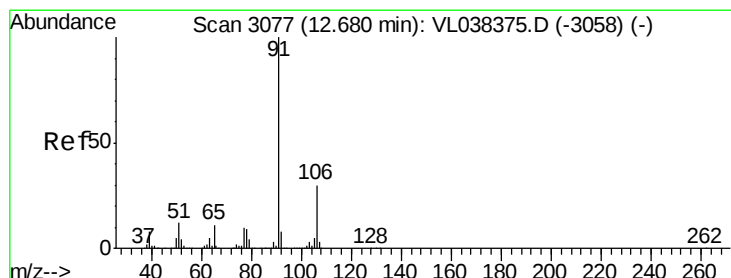
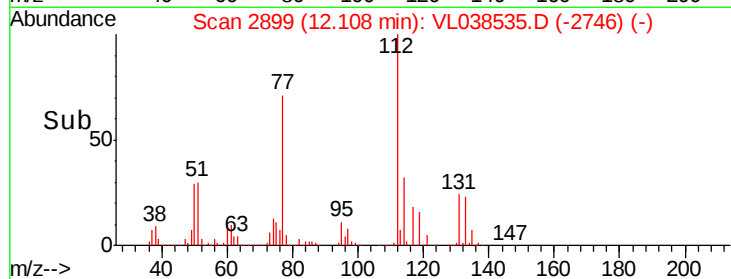
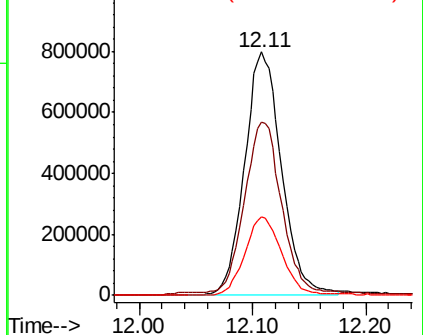


#57
Chlorobenzene
Concen: 10.607 ppbv
RT: 12.11 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 4 Mar 2022 15:51

Tot Ion: 112 Resp: 1814785
Ion Ratio Lower Upper
112 100
77 69.8 55.2 82.8
114 32.0 27.9 34.1

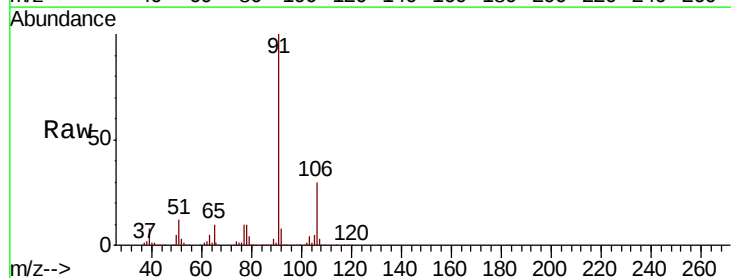


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

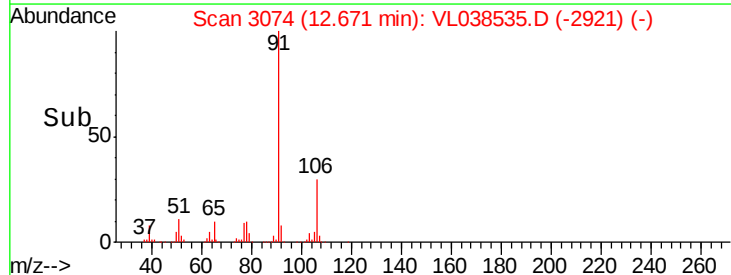
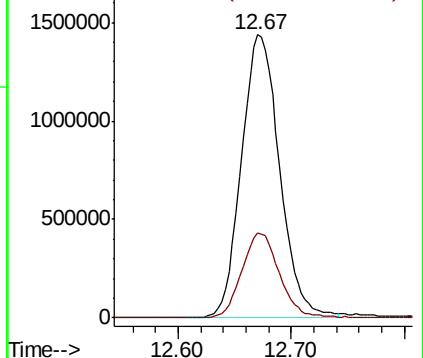


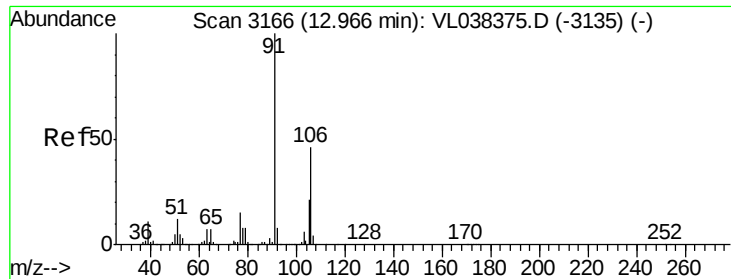
#58
Ethyl Benzene
Concen: 11.126 ppbv
RT: 12.67 min Scan# 3074
Delta R.T. -0.01 min
Lab File: VL038535.D
Acq: 4 Mar 2022 15:51

Tgt Ion: 91 Resp: 3373814
Ion Ratio Lower Upper
91 100
106 29.9 24.0 36.0



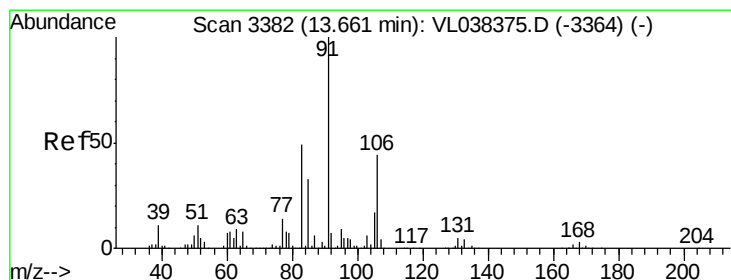
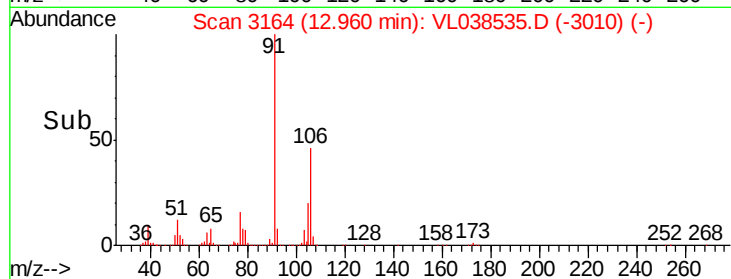
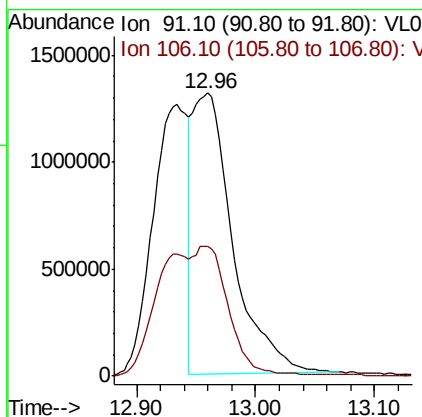
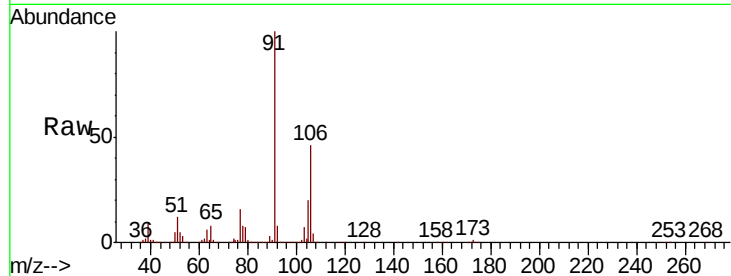
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





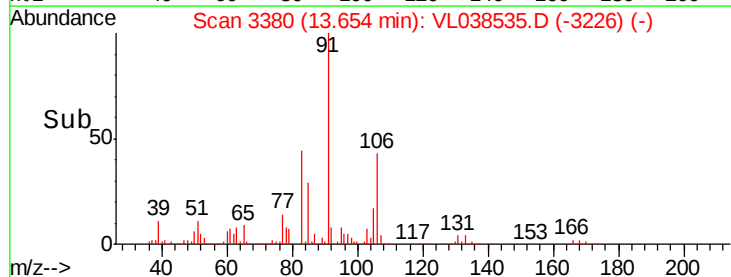
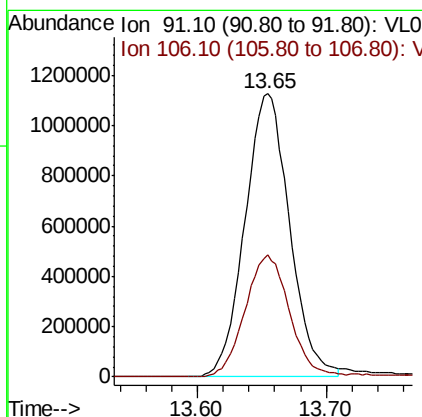
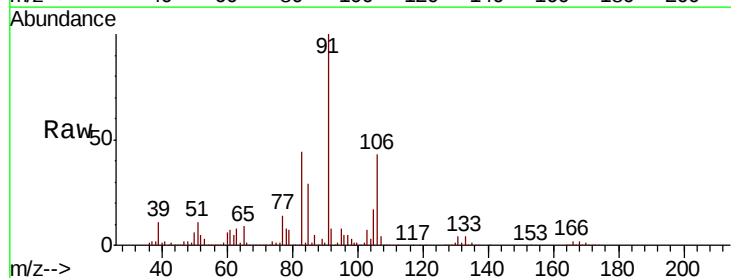
#59
m/p-Xylene
Concen: 11.777 ppbv
RT: 12.96 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 4 Mar 2022 15:51

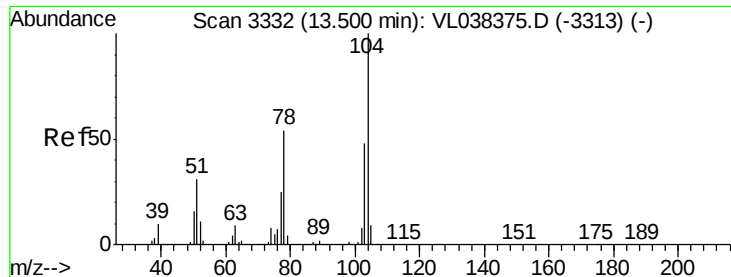
Tot Ion: 91 Resp: 3067160
Ion Ratio Lower Upper
91 100
106 80.1 34.4 51.6#



#60
o-Xylene
Concen: 11.000 ppbv
RT: 13.65 min Scan# 3380
Delta R.T. -0.01 min
Lab File: VL038535.D
Acq: 4 Mar 2022 15:51

Tgt Ion: 91 Resp: 2708152
Ion Ratio Lower Upper
91 100
106 44.3 21.9 65.5





#61

Stvrene

Concen: 12.022 ppbv

RT: 13.49

Delta R.T. MSVOA_L

Lab File:

Acq: 4 Mar 2022 15:51

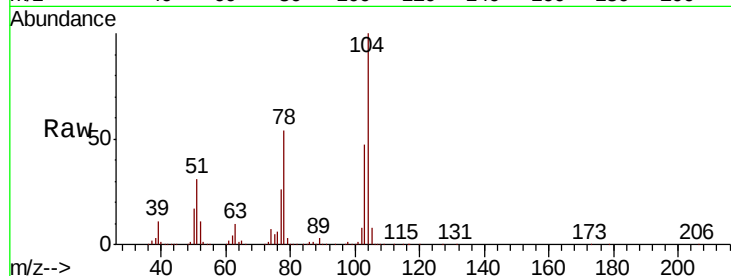
Tot Ion:104 Resp: 1365078

Ion Ratio Lower Upper

104 100

78 57.0 44.2 66.4

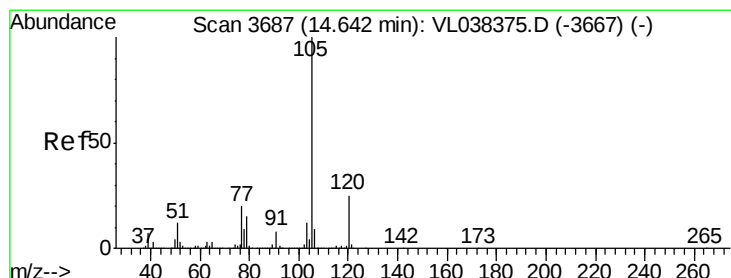
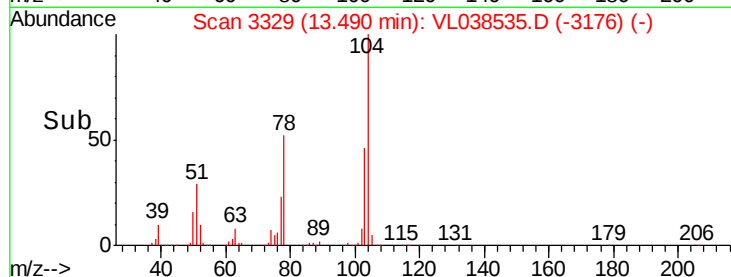
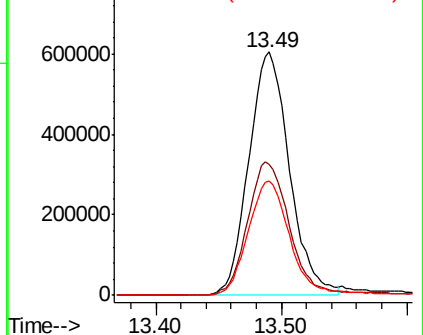
103 48.5 38.4 57.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.744 ppbv

RT: 14.63 min Scan# 3683

Delta R.T. -0.01 min

Lab File: VL038535.D

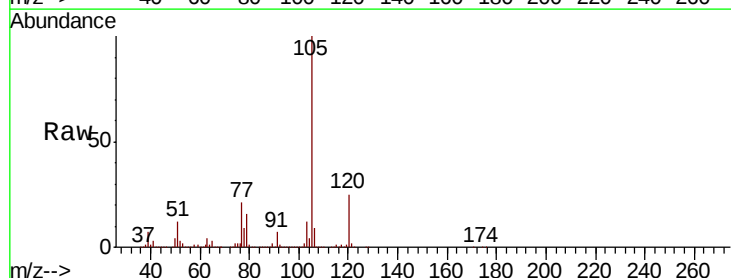
Acq: 4 Mar 2022 15:51

Tgt Ion:105 Resp: 3550235

Ion Ratio Lower Upper

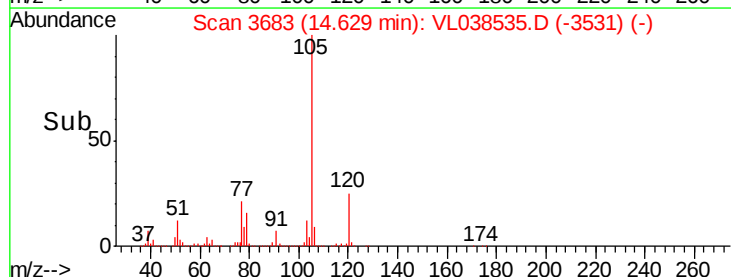
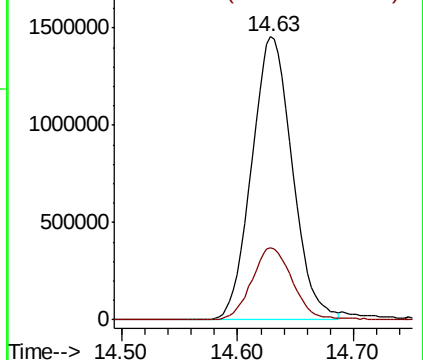
105 100

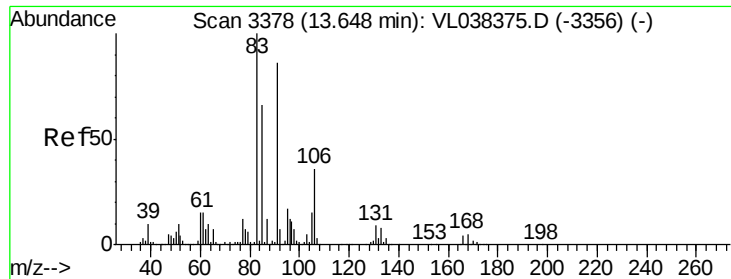
120 25.9 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

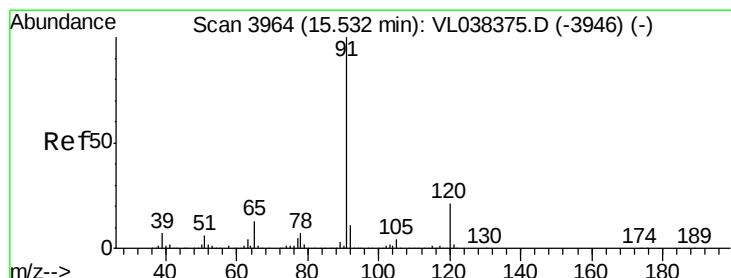
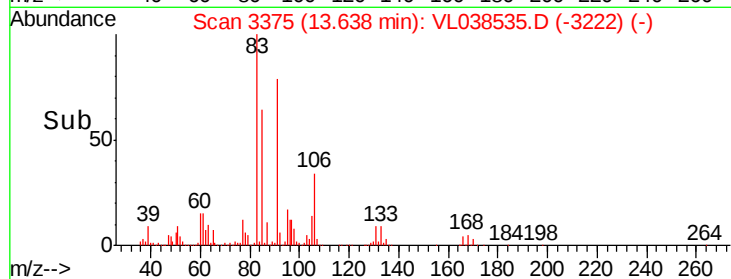
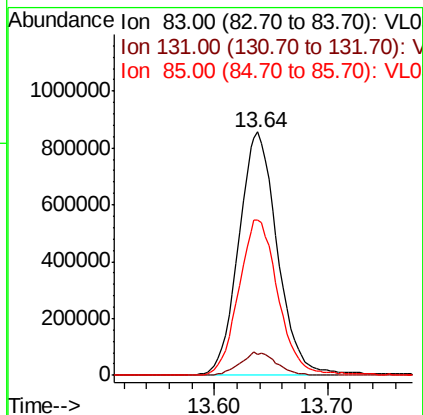
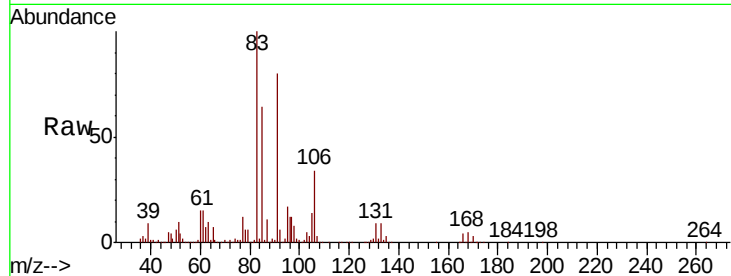
Ion 120.20 (119.90 to 120.90): V





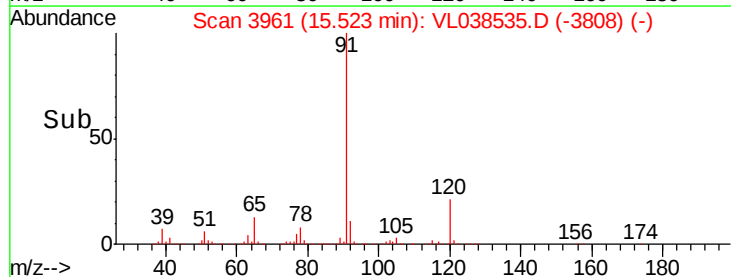
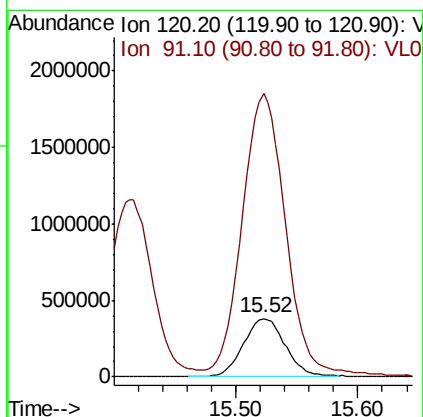
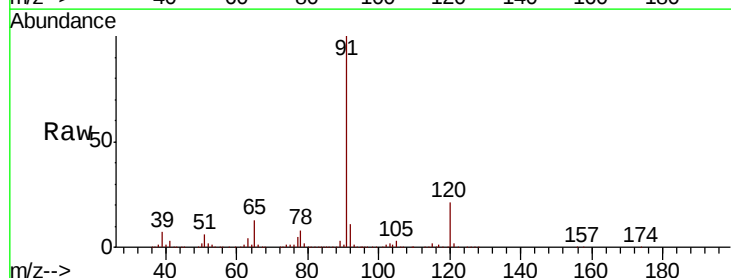
#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.130 ppbv
 RT: 13.64 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 4 Mar 2022 15:51

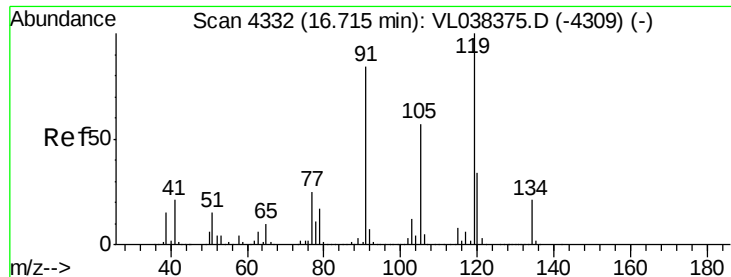
Tot Ion: 83 Resp: 2026253
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.5 13.7
 85 66.3 33.0 99.0



#64
 n-propylbenzene
 Concen: 11.118 ppbv
 RT: 15.52 min Scan# 3961
 Delta R.T. -0.01 min
 Lab File: VL038535.D
 Acq: 4 Mar 2022 15:51

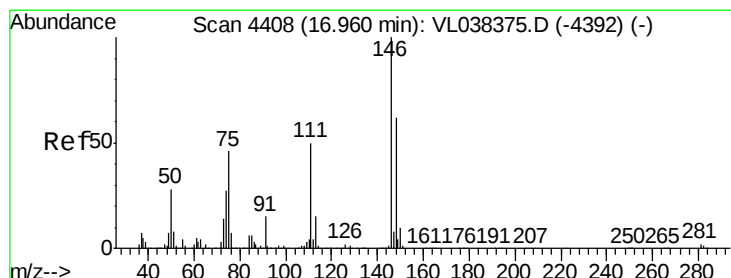
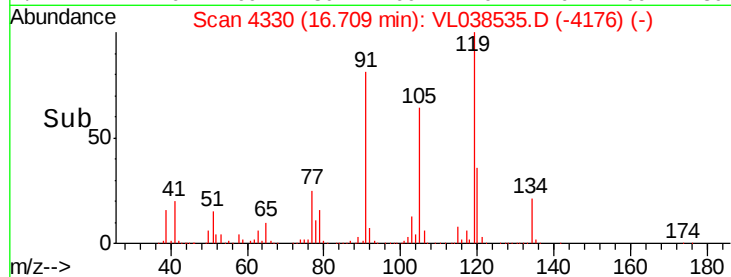
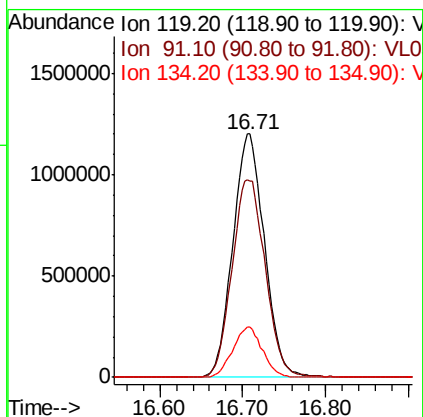
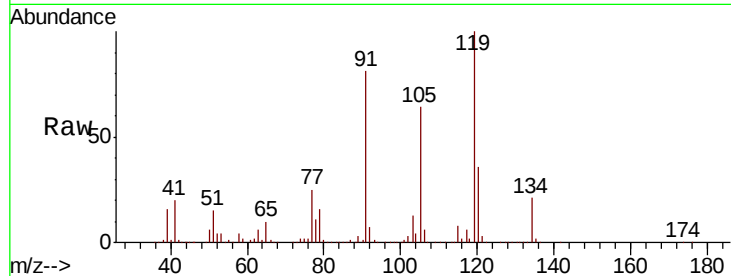
Tgt Ion: 120 Resp: 909555
 Ion Ratio Lower Upper
 120 100
 91 507.1 388.1 582.1





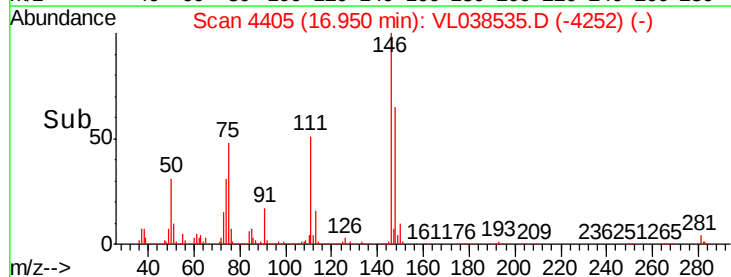
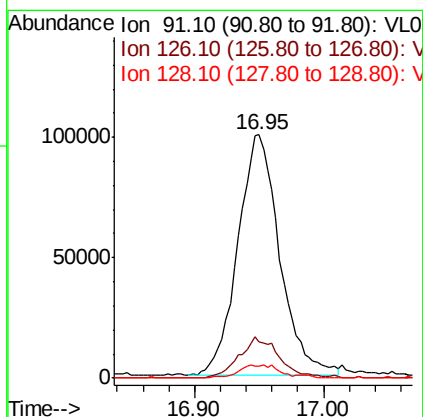
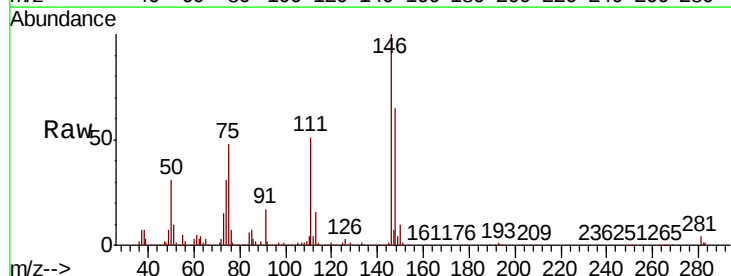
#65
 tert-Butylbenzene
 Concen: 11.097 ppbv
 RT: 16.71 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 4 Mar 2022 15:51

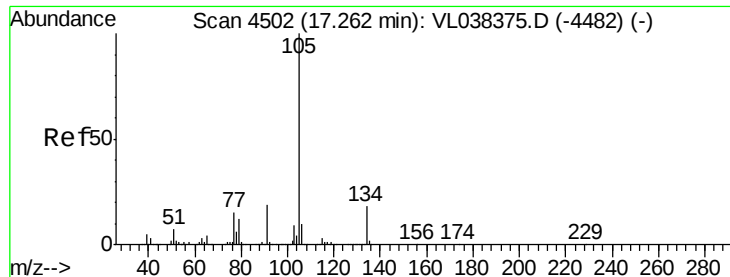
Tot Ion: 119 Resp: 3176032
 Ion Ratio Lower Upper
 119 100
 91 85.8 68.0 102.0
 134 19.5 15.8 23.8



#66
 Benzyl Chloride
 Concen: 14.622 ppbv
 RT: 16.95 min Scan# 4405
 Delta R.T.: -0.01 min
 Lab File: VL038535.D
 Acq: 4 Mar 2022 15:51

Tgt Ion: 91 Resp: 226127
 Ion Ratio Lower Upper
 91 100
 126 16.5 12.3 18.5
 128 5.6 4.2 6.4





#67

sec-Butylbenzene

Concen: 11.045 ppbv

RT: 17.26

Delta R.T. MSVOA_L

Lab File:

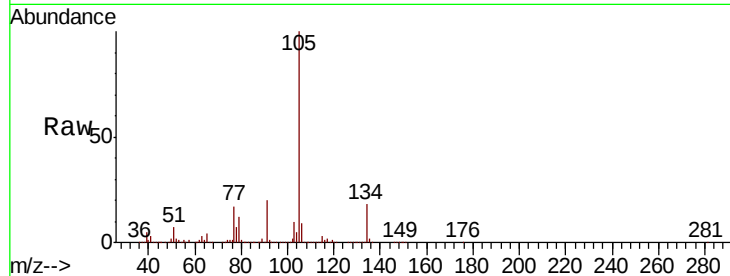
Acq: 4 Mar 2022 15:51

Tot Ion: 105 Resp: 4478646

Ion Ratio Lower Upper

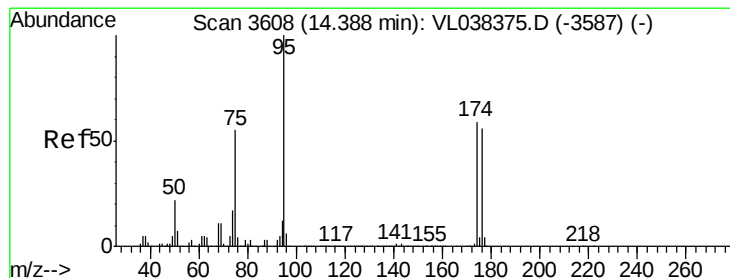
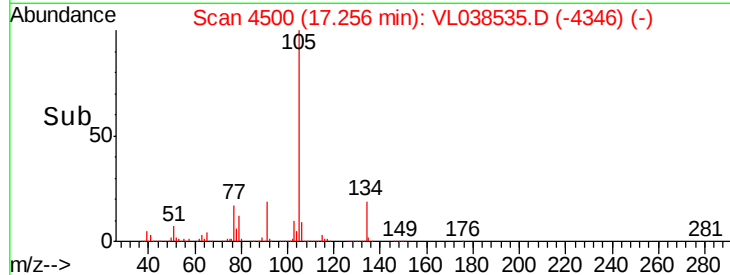
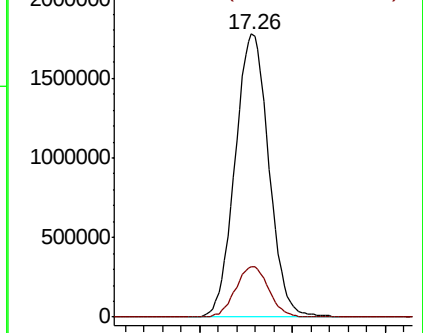
105 100

134 17.7 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.763 ppbv

RT: 14.37 min Scan# 3604

Delta R.T. -0.01 min

Lab File: VL038535.D

Acq: 4 Mar 2022 15:51

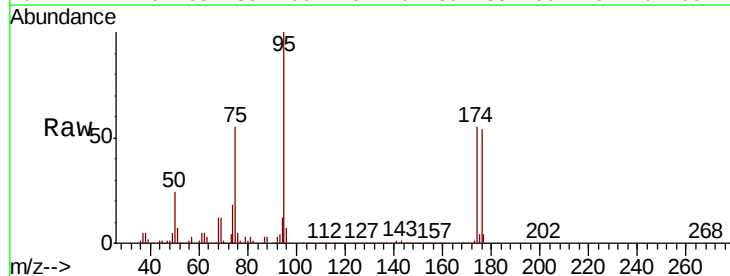
Tgt Ion: 95 Resp: 1791340

Ion Ratio Lower Upper

95 100

174 59.2 49.0 73.4

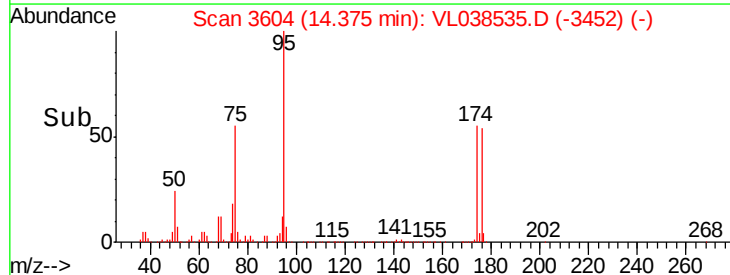
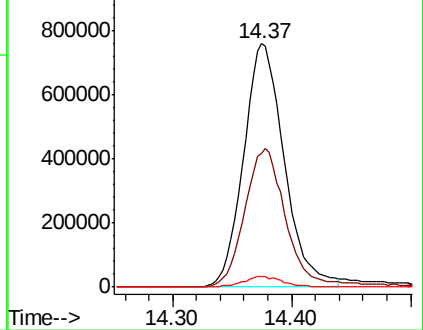
175 4.3 3.6 5.4

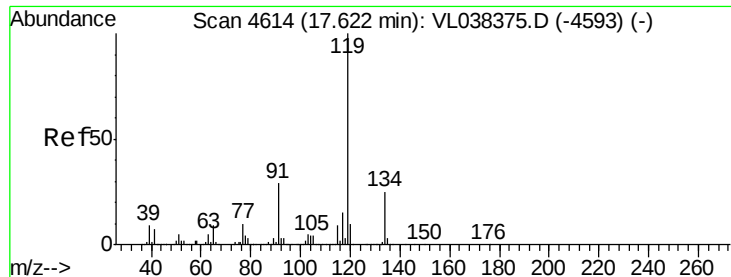


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

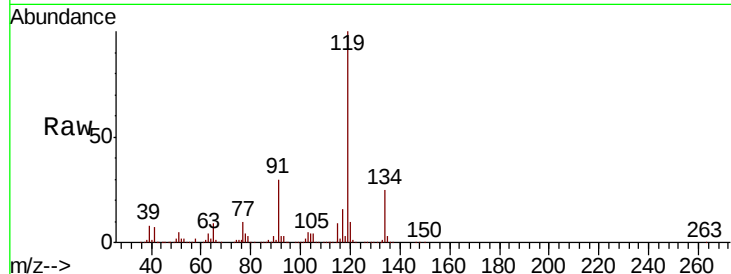
Ion 175.00 (174.70 to 175.70): V





#69
 p-Isopropyltoluene
 Concen: 11.376 ppbv
 RT: 17.61 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 4 Mar 2022 15:51

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.4	30.6
91	30.8	23.8	35.8

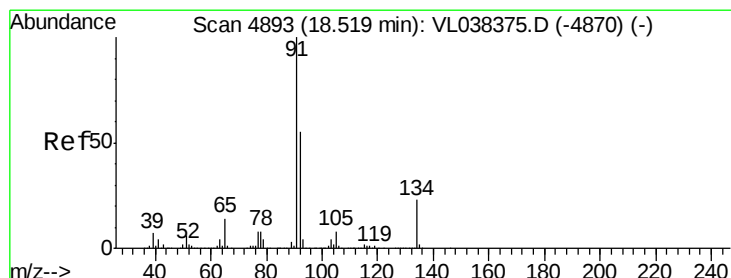
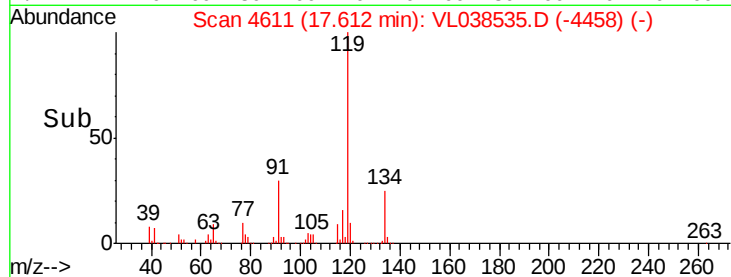
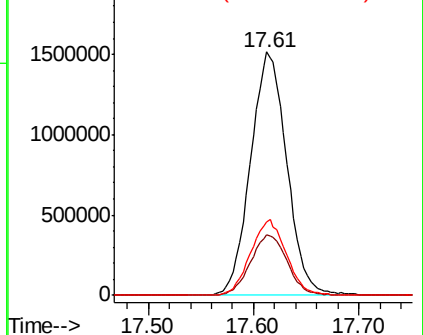


Abundance

Ion 119.10 (118.80 to 119.80): V

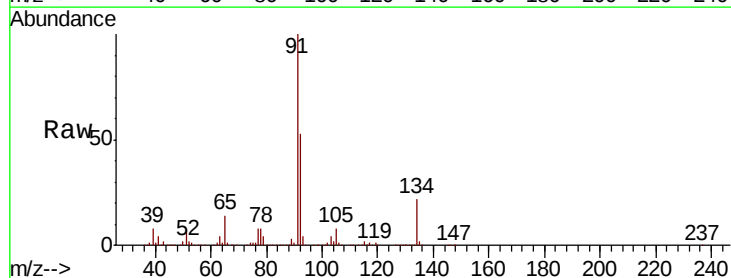
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 11.757 ppbv
 RT: 18.51 min Scan# 4891
 Delta R.T. -0.01 min
 Lab File: VL038535.D
 Acq: 4 Mar 2022 15:51

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.8	43.1	64.7
134	21.0	17.4	26.0

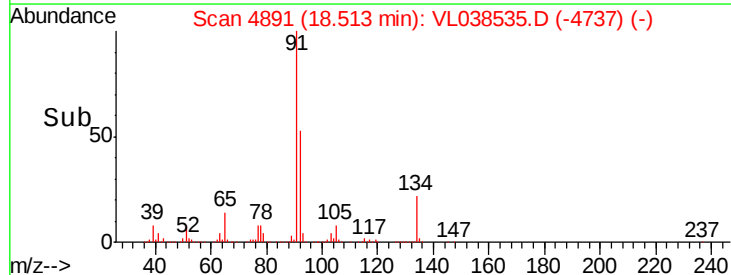
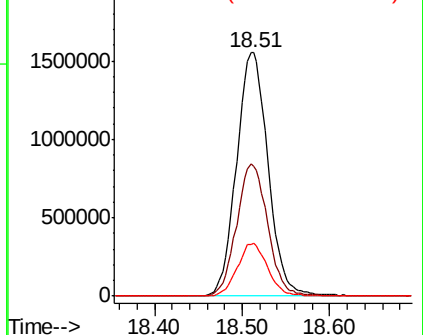


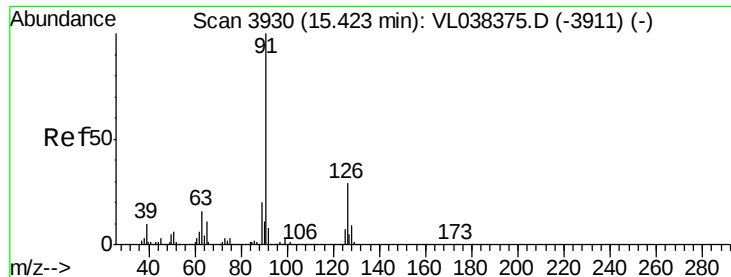
Abundance

Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

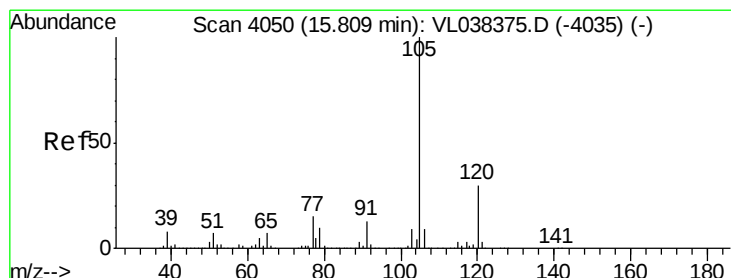
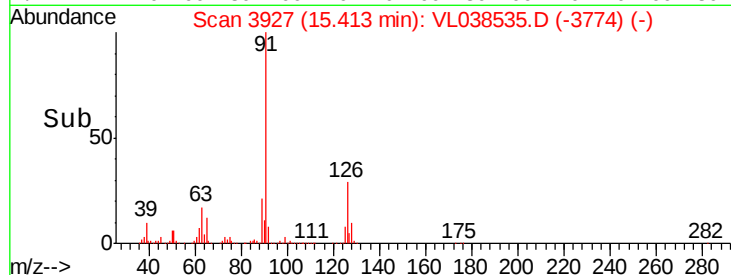
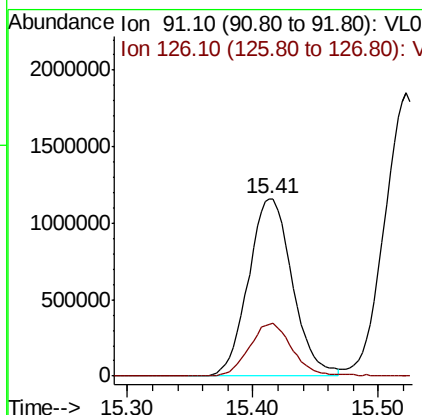
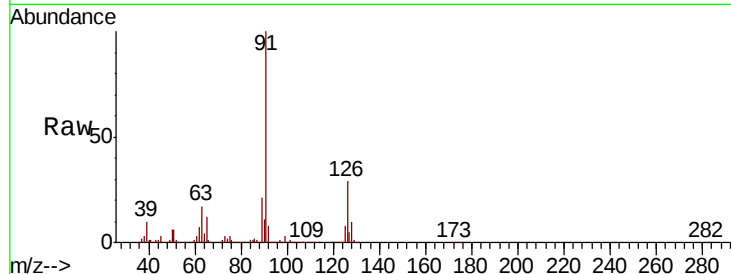
Ion 134.20 (133.90 to 134.90): V





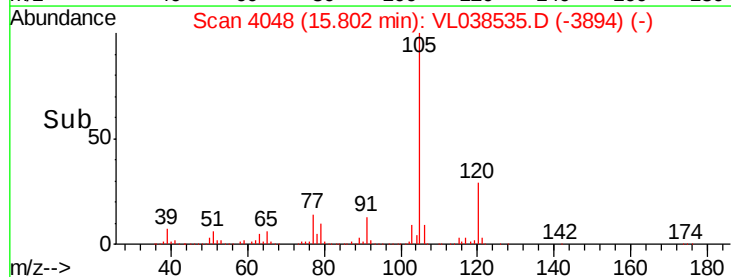
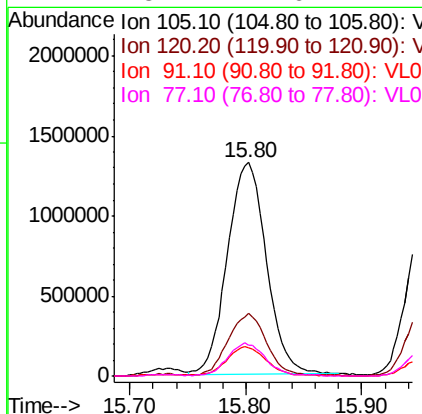
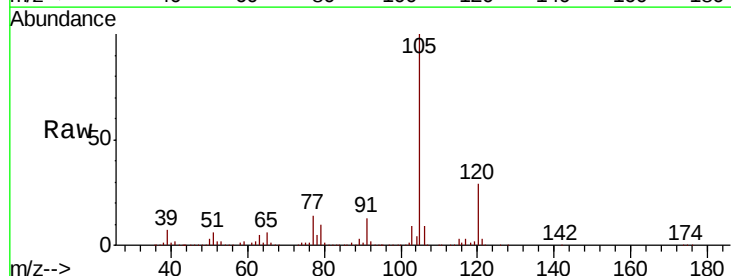
#71
 2-Chlorotoluene
 Concen: 11.136 ppbv
 RT: 15.41 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 4 Mar 2022 15:51

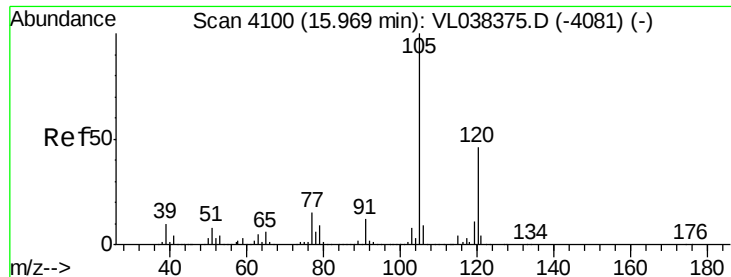
Tot Ion: 91 Resp: 2829582
 Ion Ratio Lower Upper
 91 100
 126 29.8 11.9 47.7



#72
 4-Ethyltoluene
 Concen: 11.466 ppbv
 RT: 15.80 min Scan# 4048
 Delta R.T. -0.01 min
 Lab File: VL038535.D
 Acq: 4 Mar 2022 15:51

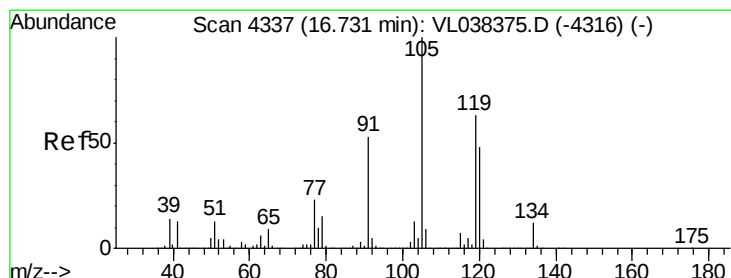
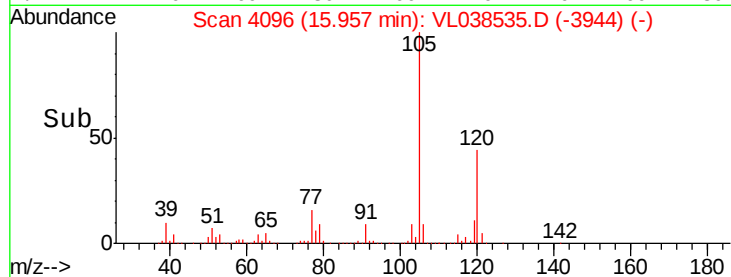
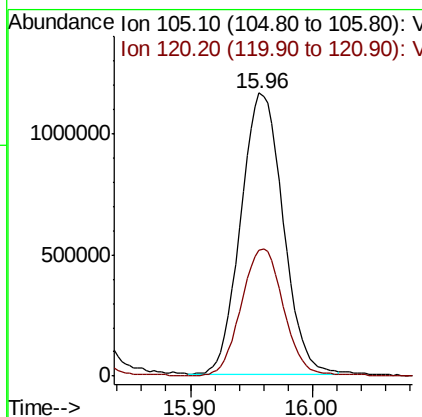
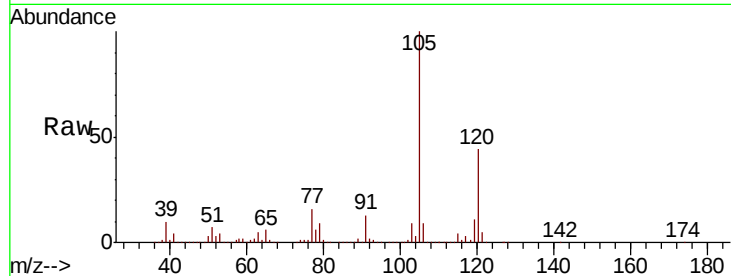
Tgt Ion:105 Resp: 3110232
 Ion Ratio Lower Upper
 105 100
 120 29.4 23.4 35.2
 91 13.3 10.4 15.6
 77 15.1 11.6 17.4





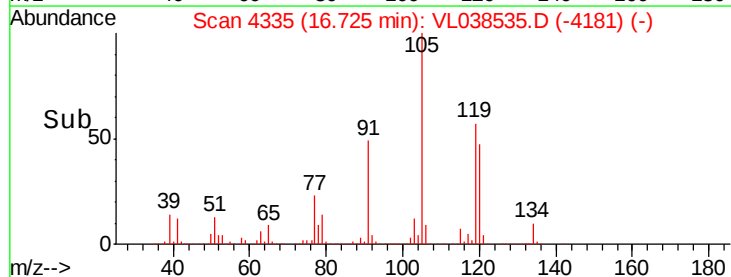
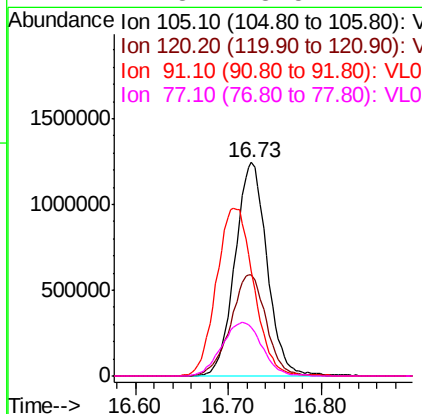
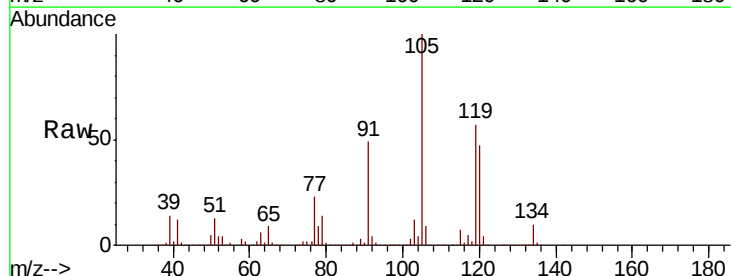
#73
 1,3,5-Trimethylbenzene
 Concen: 11.248 ppbv
 RT: 15.96 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 4 Mar 2022 15:51

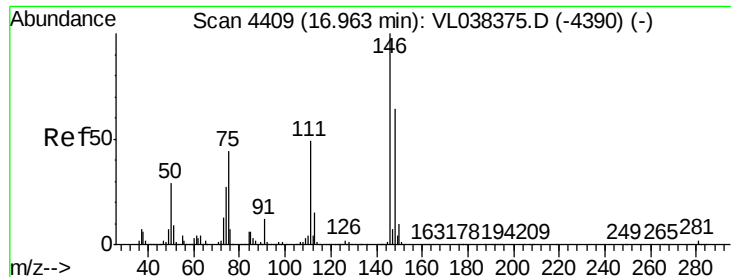
Tot Ion:105 Resp: 2770882
 Ion Ratio Lower Upper
 105 100
 120 44.5 36.6 55.0



#74
 1,2,4-Trimethylbenzene
 Concen: 11.460 ppbv
 RT: 16.73 min Scan# 4335
 Delta R.T. -0.01 min
 Lab File: VL038535.D
 Acq: 4 Mar 2022 15:51

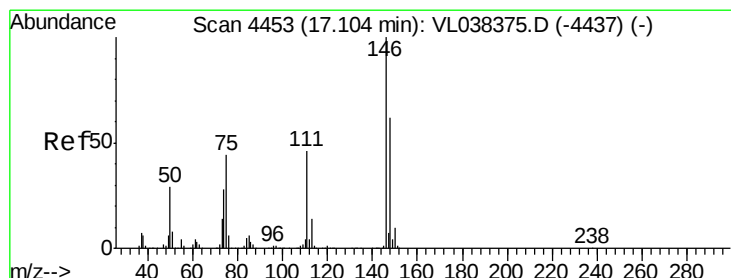
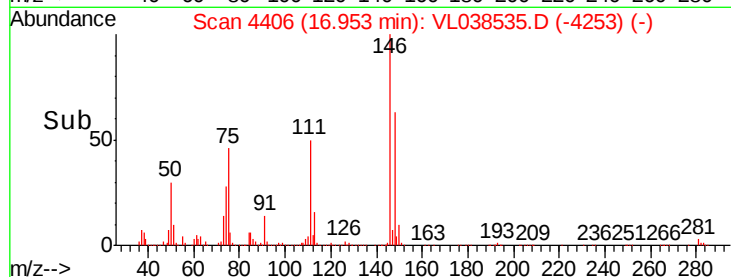
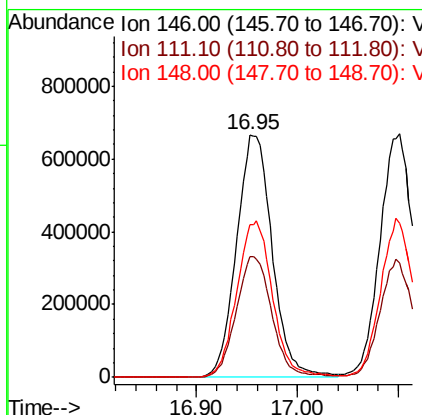
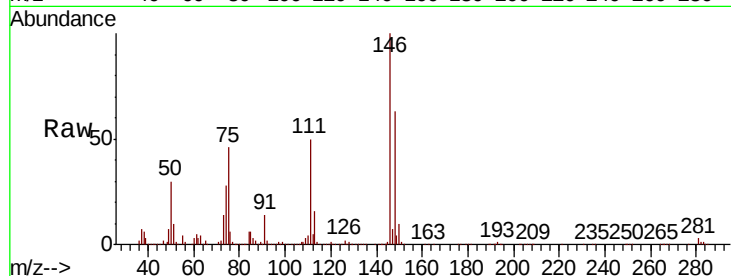
Tgt Ion:105 Resp: 2980476
 Ion Ratio Lower Upper
 105 100
 120 47.2 38.2 57.4
 91 48.8 42.7 64.1
 77 22.8 18.5 27.7





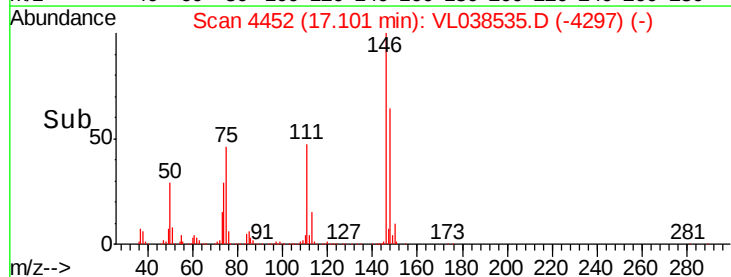
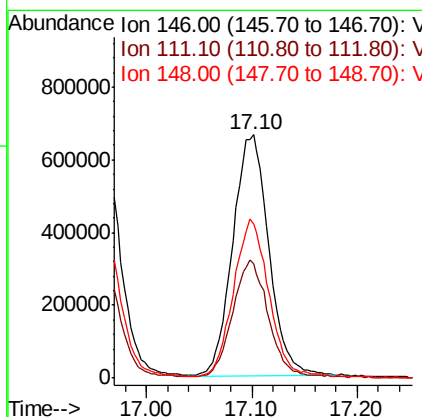
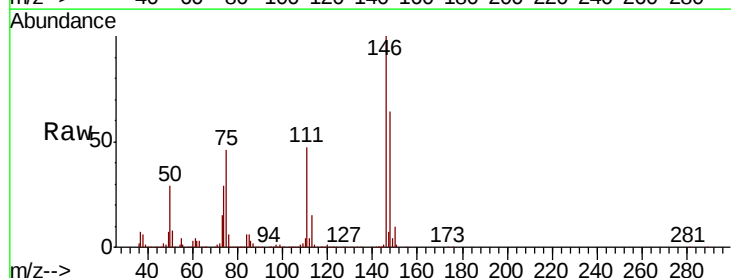
#75
 1,3-Dichlorobenzene
 Concen: 11.245 ppbv
 RT: 16.95
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 4 Mar 2022 15:51

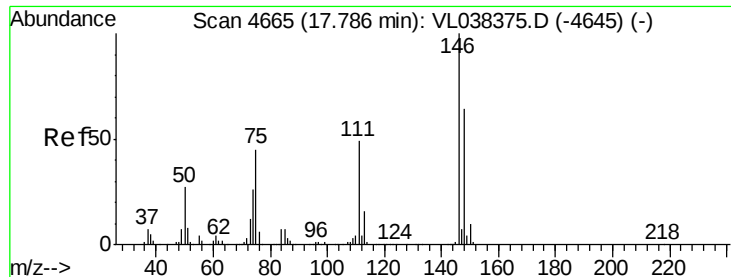
Tot Ion:146 Resp: 1638087
 Ion Ratio Lower Upper
 146 100
 111 49.7 24.3 72.9
 148 64.4 32.0 96.0



#76
 1,4-Dichlorobenzene
 Concen: 11.018 ppbv
 RT: 17.10 min Scan# 4452
 Delta R.T. -0.00 min
 Lab File: VL038535.D
 Acq: 4 Mar 2022 15:51

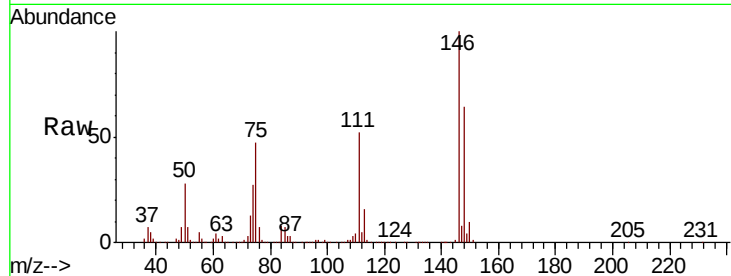
Tgt Ion:146 Resp: 1582701
 Ion Ratio Lower Upper
 146 100
 111 49.1 24.1 72.2
 148 65.5 32.8 98.4



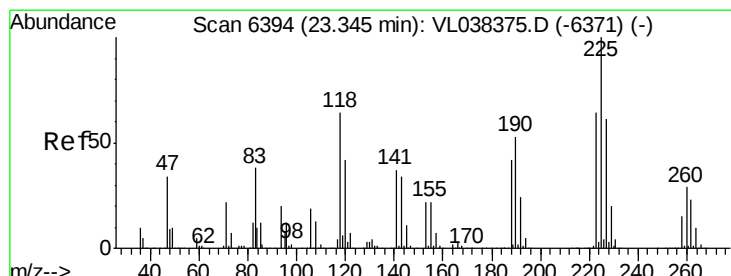
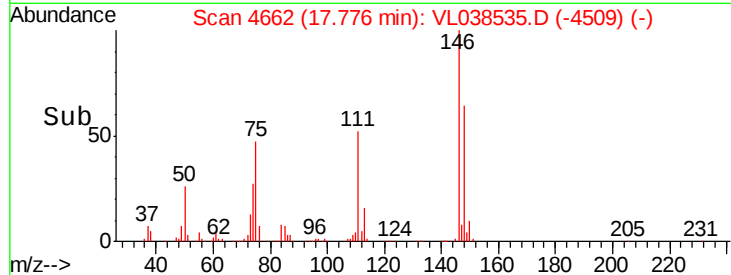
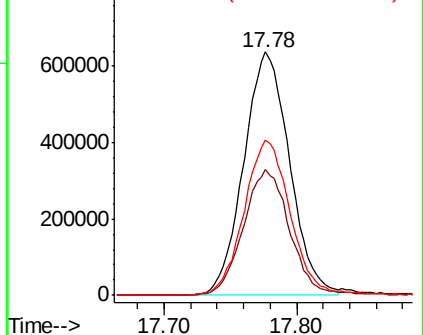


#77
 1,2-Dichlorobenzene
 Concen: 10.876 ppbv
 RT: 17.78 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 4 Mar 2022 15:51

Tot Ion:146 Resp: 1524991
 Ion Ratio Lower Upper
 146 100
 111 52.8 25.6 76.6
 148 65.5 32.4 97.2

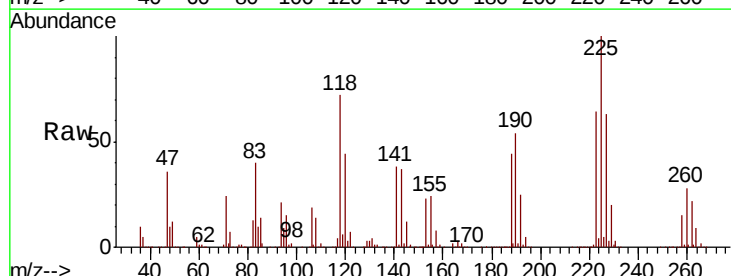


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

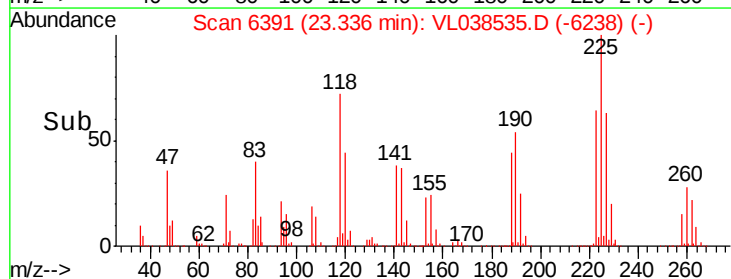
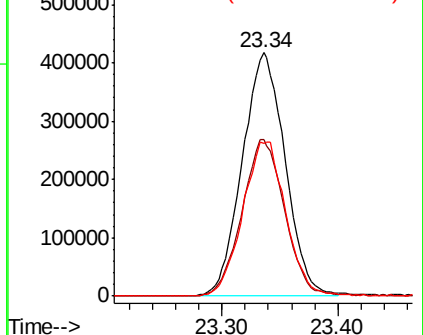


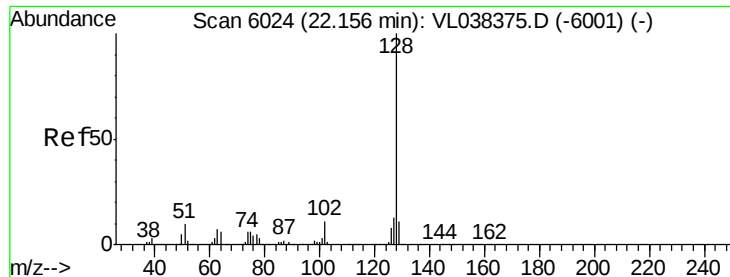
#78
 Hexachloro-1,3-Butadiene
 Concen: 10.007 ppbv
 RT: 23.34 min Scan# 6391
 Delta R.T. -0.01 min
 Lab File: VL038535.D
 Acq: 4 Mar 2022 15:51

Tgt Ion:225 Resp: 1070134
 Ion Ratio Lower Upper
 225 100
 223 64.8 52.0 78.0
 227 64.5 51.6 77.4



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: 14.069 ppbv

RT: 22.15

Delta R.T. MSVOA_L

Lab File:

Acq: 4 Mar 2022 15:51

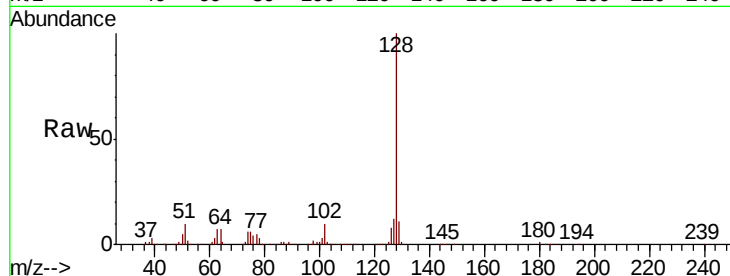
Tot Ion:128 Resp: 1982614

Ion Ratio Lower Upper

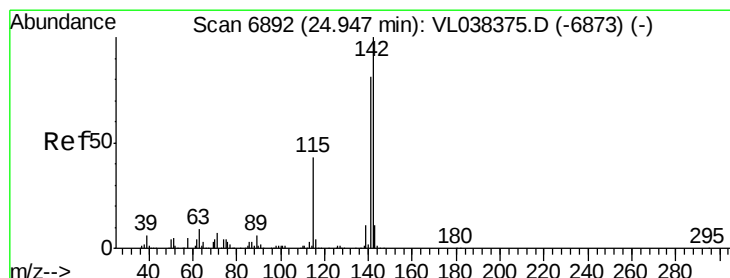
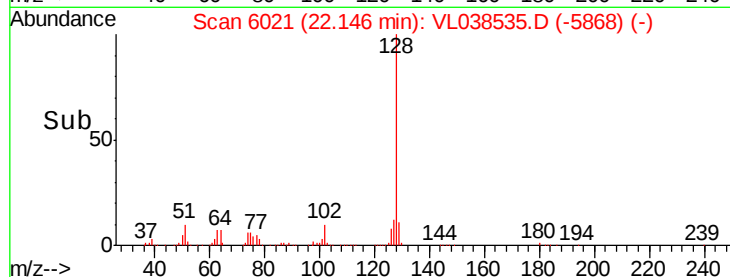
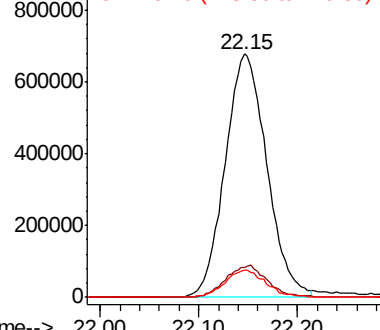
128 100

127 12.3 10.7 16.1

129 11.2 8.8 13.2



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



#80

Naphthalene, 2-methyl-

Concen: 15.414 ppbv

RT: 24.94 min Scan# 6890

Delta R.T. -0.01 min

Lab File: VL038535.D

Acq: 4 Mar 2022 15:51

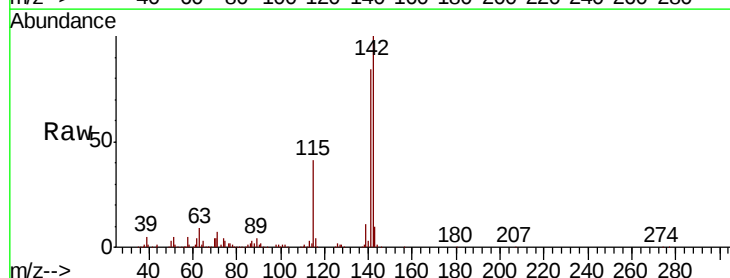
Tgt Ion:142 Resp: 424502

Ion Ratio Lower Upper

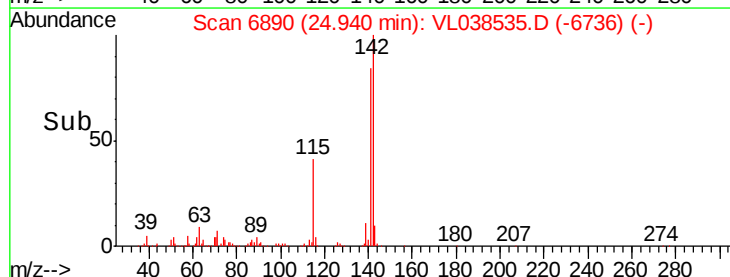
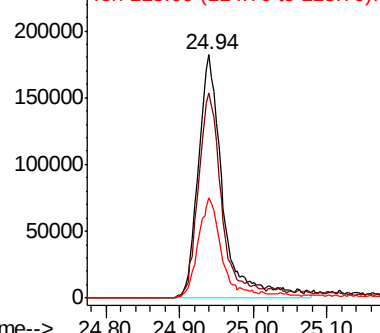
142 100

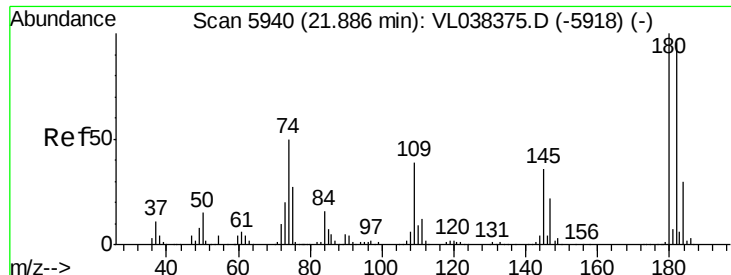
141 84.8 69.8 104.6

115 41.0 33.0 49.6



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





#81

1,2,4-Trichlorobenzene

Concen: 12.853 ppbv

RT: 21.88

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 4 Mar 2022 15:51

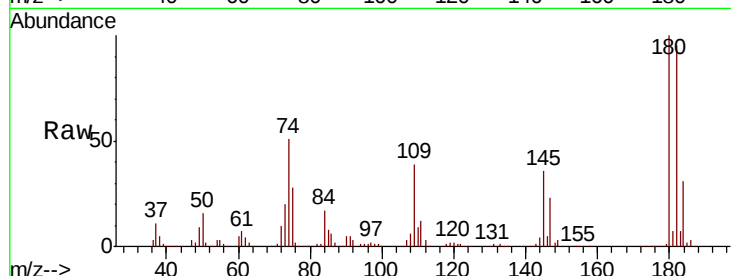
Tot Ion:180 Resp: 1095081

Ion Ratio Lower Upper

180 100

182 95.3 77.4 116.2

184 31.0 24.9 37.3



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

