

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111921\
 Data File : VL038092.D
 Acq On : 19 Nov 2021 19:25
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Nov 22 06:36:43 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	5.64	49	785533	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	2261645	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	2589061	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1559473	8.35	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1473952	11.359	ppbv 98
3) Chlorodifluoromethane	2.98	51	1729589	10.485	ppbv 98
4) Chloromethane	3.13	50	565375	10.068	ppbv 95
5) Vinyl Chloride	3.24	62	577282	10.479	ppbv 100
6) Bromomethane	3.46	94	316497	10.724	ppbv 99
7) Chloroethane	3.54	64	188750	9.654	ppbv 91
8) Dichlorotetrafluoroethane	3.18	85	1361352	10.547	ppbv 97
9) Propene	3.00	41	591196	9.731	ppbv 97
10) Heptane	8.09	43	1494617	9.954	ppbv 99
11) Trichlorofluoromethane	3.93	101	1294608	10.491	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	901562	10.328	ppbv 99
13) Ethanol	3.60	45	11593	1.975	ppbv # 1
14) Bromoethene	3.72	108	392178	10.033	ppbv 99
15) Acetone	3.83	43	680445	9.991	ppbv 96
16) 1,3-Butadiene	3.31	39	550460	10.360	ppbv 97
17) tert-Butyl alcohol	4.27	59	755860	9.149	ppbv 99
18) 1,1-Dichloroethene	4.27	96	406725	10.157	ppbv 97
19) Isopropyl Alcohol	3.94	45	415623	8.446	ppbv # 99
20) Methylene Chloride	4.32	84	328658	8.615	ppbv 95
21) Allyl Chloride	4.39	41	620699	9.846	ppbv 98
22) trans-1,2-Dichloroethene	4.86	96	438114	10.801	ppbv 98
23) Vinyl Acetate	5.05	43	1008972	10.234	ppbv 99
24) 1,1-Dichloroethane	4.99	63	861658	10.495	ppbv 99
25) Ethyl Acetate	5.65	43	2259334	9.981	ppbv 99
26) Hexane	5.66	57	1064786	9.760	ppbv 99
27) Carbon Disulfide	4.53	76	1007390	10.308	ppbv 98
28) Methyl tert-Butyl Ether	5.01	73	938496	10.127	ppbv 99
29) Chloroform	5.73	83	1658732	10.316	ppbv 100
30) Cyclohexane	7.10	84	953217	9.624	ppbv 98
31) cis-1,2-Dichloroethene	5.52	61	1081106	10.417	ppbv 95
32) 1,1,1-Trichloroethane	6.48	97	1659748	10.171	ppbv 98
34) 2-Butanone	5.22	43	880490	9.655	ppbv 98
35) Carbon Tetrachloride	6.99	117	1721719	10.835	ppbv 99
36) Benzene	6.86	78	2320974	10.288	ppbv 99
37) 1,2-Dichloroethane	6.28	62	1288557	11.826	ppbv 98
38) Trichloroethene	7.81	130	806563	9.478	ppbv 98
39) 1,2-Dichloropropane	7.58	63	905005	10.457	ppbv 96
40) 1,4-Dioxane	7.81	88	212412	9.421	ppbv # 1
41) Tetrahydrofuran	6.02	42	580350	10.252	ppbv 98
42) Bromodichloromethane	7.76	83	1841044	11.114	ppbv 99
43) Methyl Methacrylate	7.99	69	855151	11.079	ppbv 97

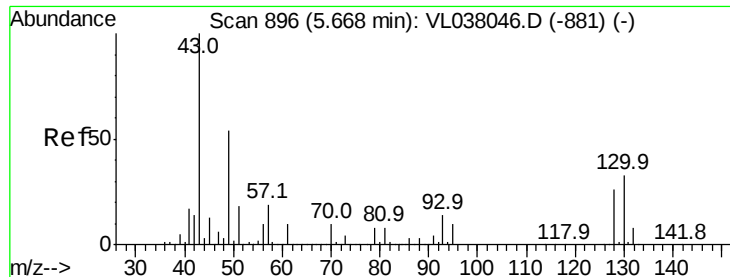
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111921\
 Data File : VL038092.D
 Acq On : 19 Nov 2021 19:25
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Nov 22 06:36:43 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)
44) 2,2,4-Trimethylpentane	7.84	57	3769443	9.987	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	763508	12.332	ppbv	98
46) cis-1,3-Dichloropropene	8.67	75	980667	11.711	ppbv	97
47) 1,1,2-Trichloroethane	9.44	97	901799	9.950	ppbv	92
48) Dibromochloromethane	10.27	129	1465552	10.618	ppbv	98
49) Bromoform	13.00	173	1020461	10.334	ppbv	98
50) 4-Methyl-2-Pentanone	8.71	43	1570746	11.341	ppbv	98
51) 2-Hexanone	10.10	43	740250	11.361	ppbv #	99
52) Tetrachloroethene	11.19	164	738974	8.852	ppbv	92
53) Toluene	9.77	91	2571171	9.905	ppbv	99
54) 1,2-Dibromoethane	10.57	107	1296988	10.131	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.09	131	932358	7.933	ppbv	97
57) Chlorobenzene	12.11	112	1802738	7.769	ppbv	94
58) Ethyl Benzene	12.68	91	3348768	7.826	ppbv	98
59) m/p-Xylene	12.96	91	3033274	8.420	ppbv #	49
60) o-Xylene	13.66	91	2500018	7.481	ppbv	97
61) Styrene	13.49	104	1384342	7.727	ppbv	95
62) Isopropylbenzene	14.63	105	3499041	7.377	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.64	83	1745066	7.030	ppbv	99
64) n-propylbenzene	15.52	120	889810	7.364	ppbv	94
65) tert-Butylbenzene	16.71	119	2899044	6.937	ppbv	97
66) Benzyl Chloride	16.95	91	130748	6.173	ppbv	95
67) sec-Butylbenzene	17.26	105	4117862	7.072	ppbv	100
69) p-Isopropyltoluene	17.62	119	3332232	7.315	ppbv	98
70) n-Butylbenzene	18.51	91	3384904	7.772	ppbv	99
71) 2-Chlorotoluene	15.42	91	2620948	7.557	ppbv	97
72) 4-Ethyltoluene	15.80	105	2964857	7.652	ppbv	97
73) 1,3,5-Trimethylbenzene	15.96	105	2608660	7.372	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	2651275	7.271	ppbv	99
75) 1,3-Dichlorobenzene	16.96	146	1468946	7.334	ppbv	99
76) 1,4-Dichlorobenzene	17.10	146	1421176	7.051	ppbv	99
77) 1,2-Dichlorobenzene	17.78	146	1408153	7.261	ppbv	99
78) Hexachloro-1,3-Butadiene	23.34	225	975530	8.057	ppbv	97
79) Naphthalene	22.15	128	2055534	10.704	ppbv	98
80) Naphthalene, 2-methyl-	24.94	142	453515	11.020	ppbv	98
81) 1,2,4-Trichlorobenzene	21.88	180	1049233	9.508	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 19 Nov 2021 19:25 VSTDCCC010EC

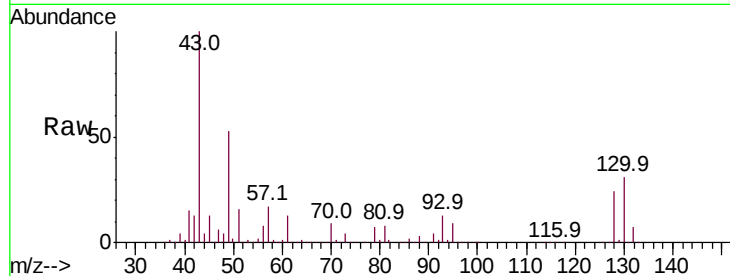
Tot Ion: 49 Resp: 785533

Ion Ratio Lower Upper

49 100

128 50.8 26.5 79.5

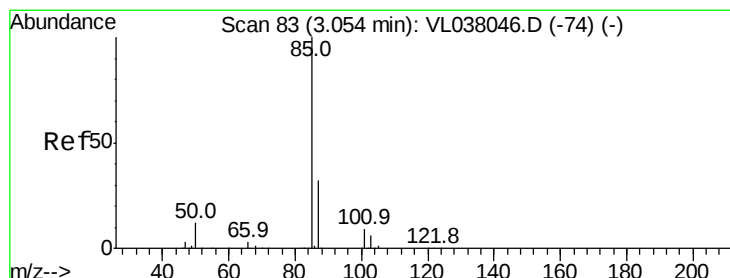
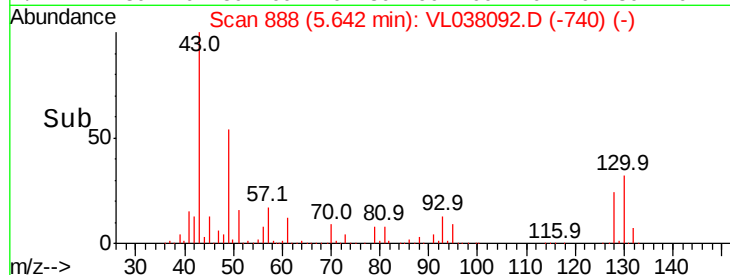
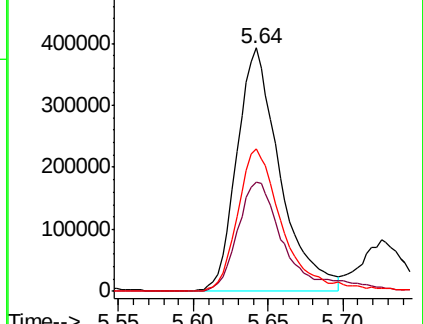
130 61.9 32.5 97.4



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: 11.359 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.02 min

Lab File: VL038092.D

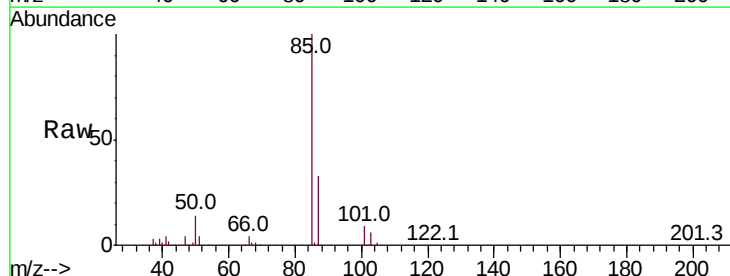
Acq: 19 Nov 2021 19:25

Tgt Ion: 85 Resp: 1473952

Ion Ratio Lower Upper

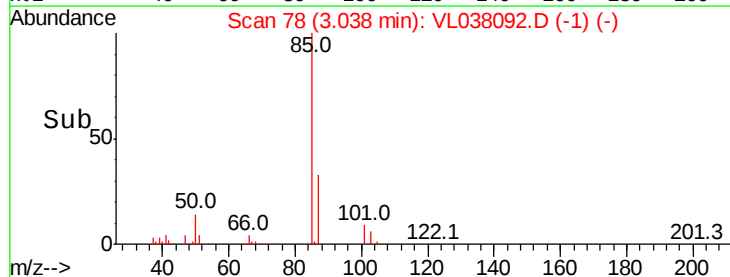
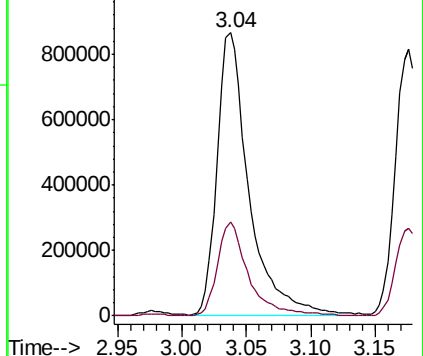
85 100

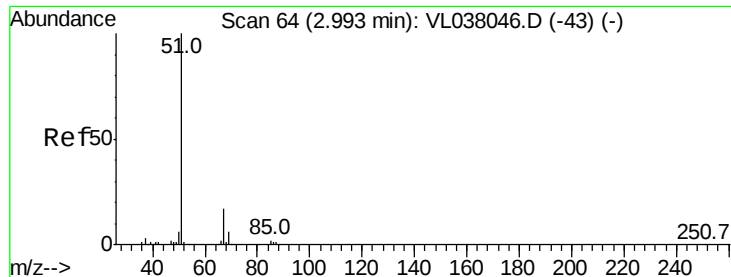
87 33.2 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

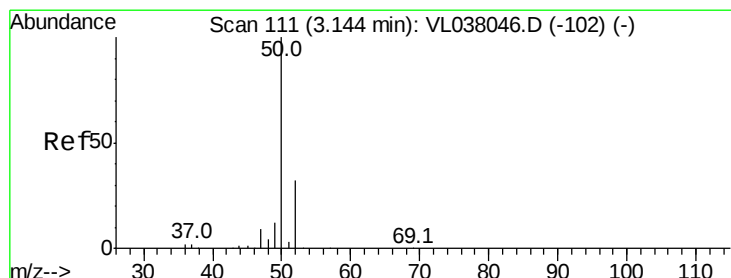
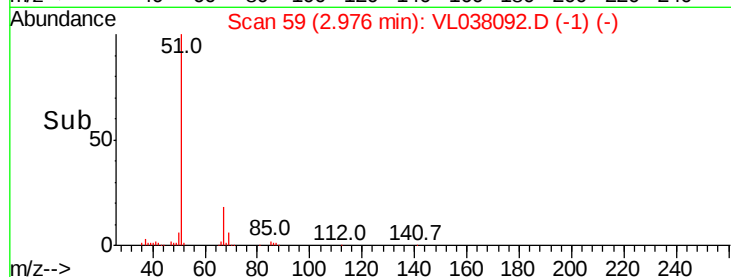
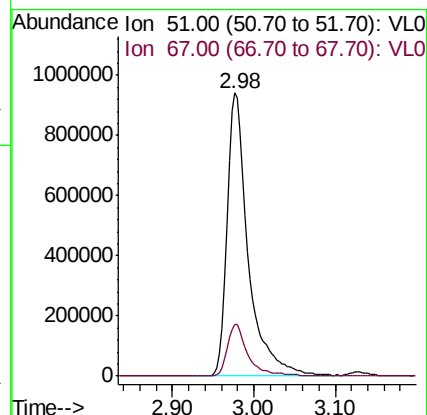
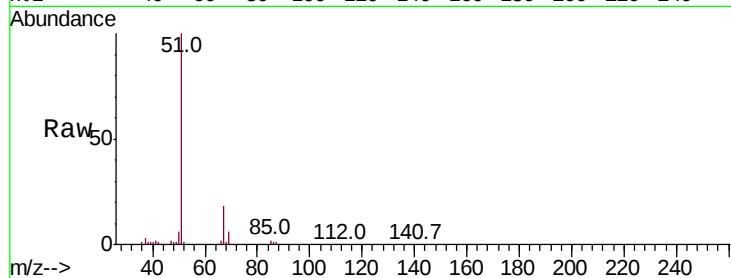
Ion 87.00 (86.70 to 87.70): VL0





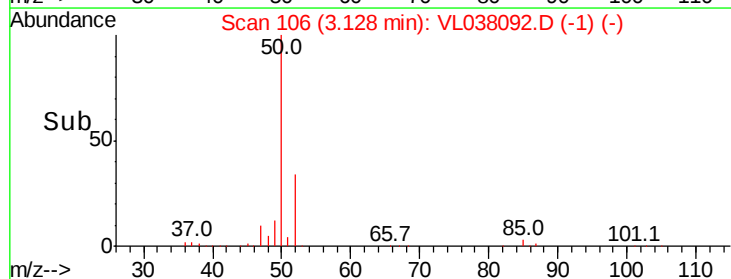
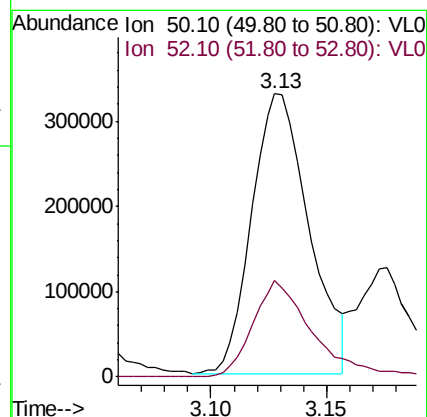
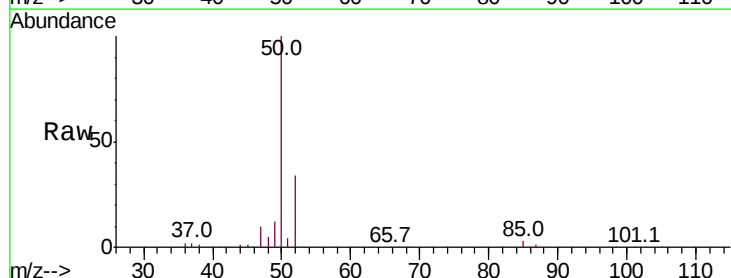
#3
 Chlorodifluoromethane
 Concen: 10.485 ppbv
 RT: 2.98
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 19 Nov 2021 19:25

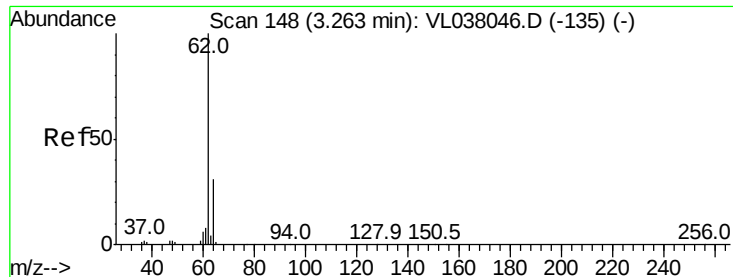
Tot Ion: 51 Resp: 1729589
 Ion Ratio Lower Upper
 51 100
 67 18.0 13.8 20.8



#4
 Chloromethane
 Concen: 10.068 ppbv
 RT: 3.13 min Scan# 106
 Delta R.T. -0.02 min
 Lab File: VL038092.D
 Acq: 19 Nov 2021 19:25

Tgt Ion: 50 Resp: 565375
 Ion Ratio Lower Upper
 50 100
 52 34.4 25.4 38.0





#5

Vinyl Chloride

Concen: 10.479 ppbv

RT: 3.24 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

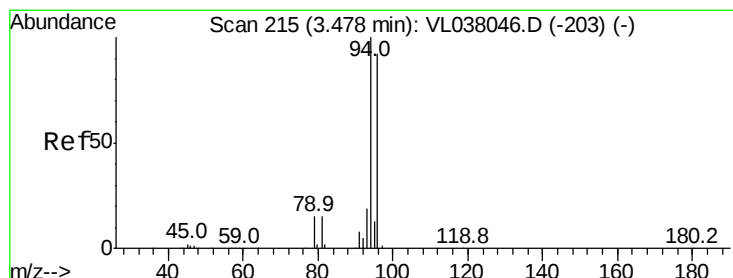
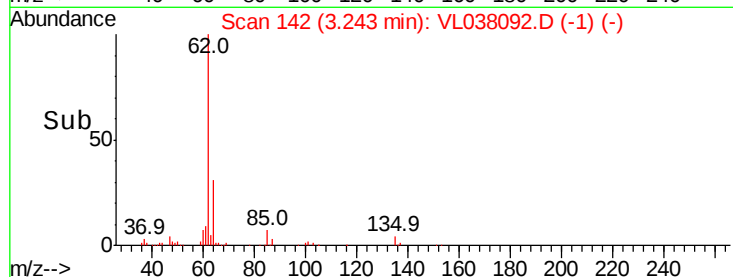
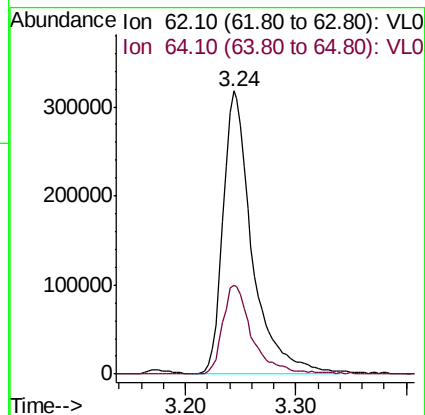
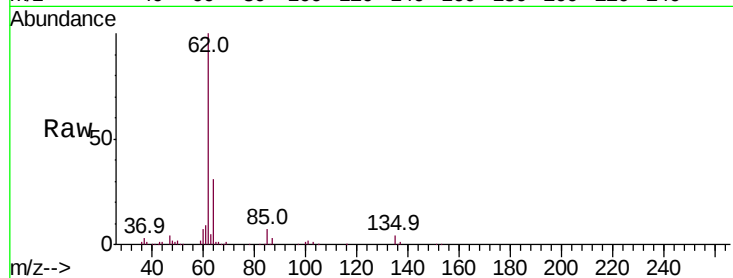
Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion: 62 Resp: 577282

Ion Ratio Lower Upper

62 100

64 31.3 25.1 37.7



#6

Bromomethane

Concen: 10.724 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.02 min

Lab File: VL038092.D

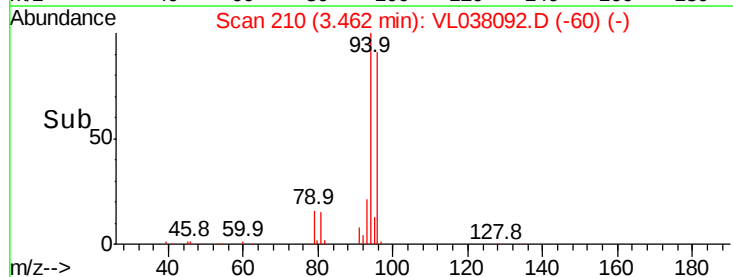
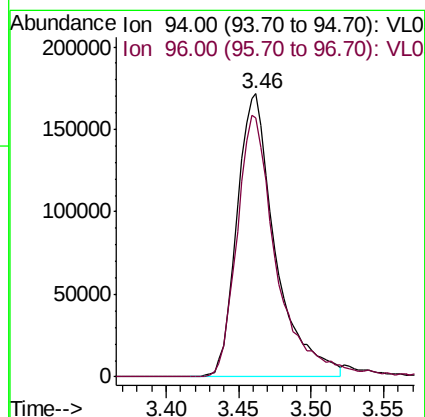
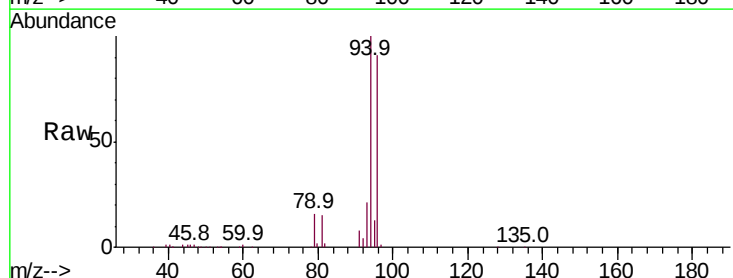
Acq: 19 Nov 2021 19:25

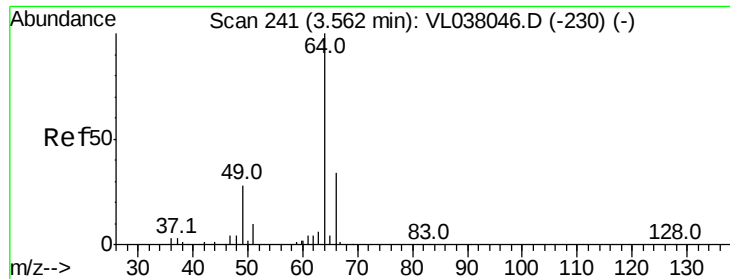
Tgt Ion: 94 Resp: 316497

Ion Ratio Lower Upper

94 100

96 91.4 73.9 110.9





#7

Chloroethane

Concen: 9.654 ppbv

RT: 3.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

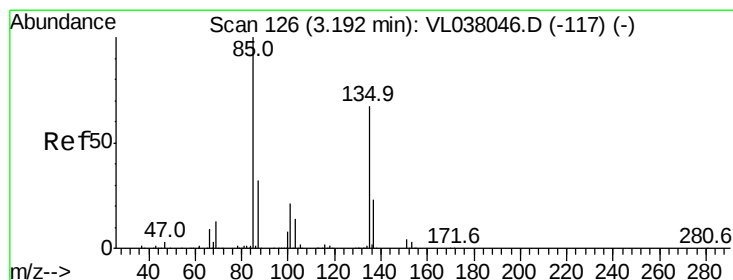
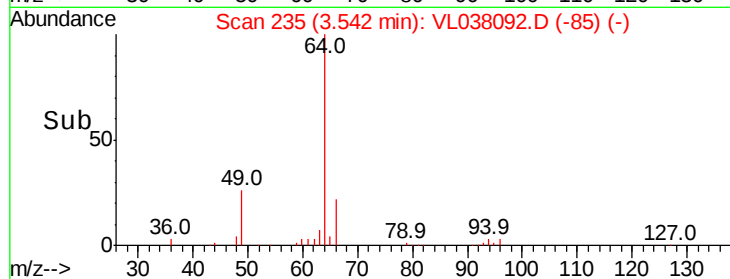
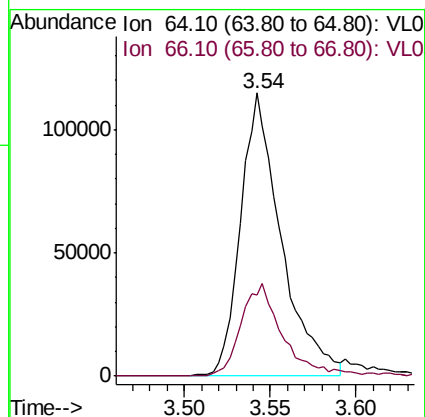
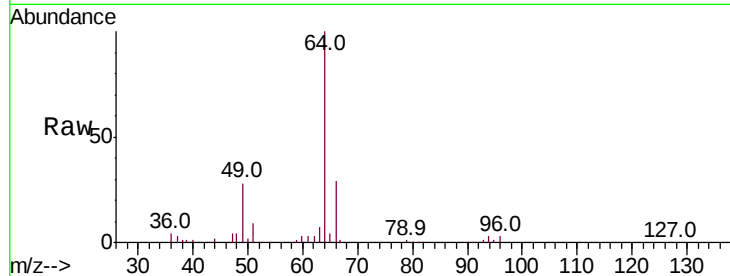
Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion: 64 Resp: 188750

Ion Ratio Lower Upper

64 100

66 28.8 27.2 40.8



#8

Dichlorotetrafluoroethane

Concen: 10.547 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.02 min

Lab File: VL038092.D

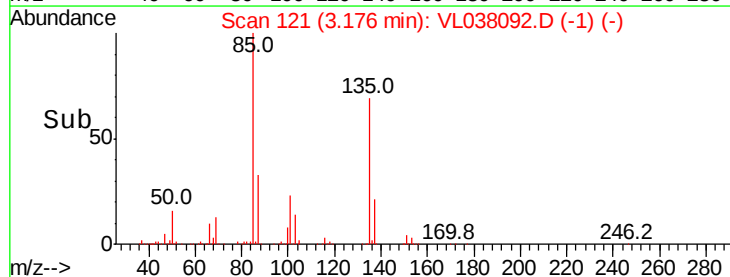
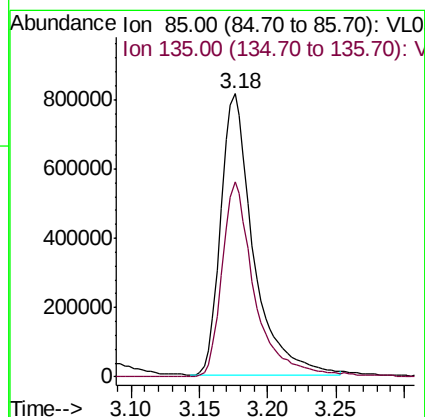
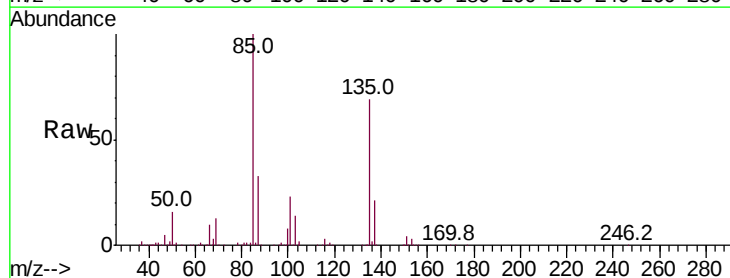
Acq: 19 Nov 2021 19:25

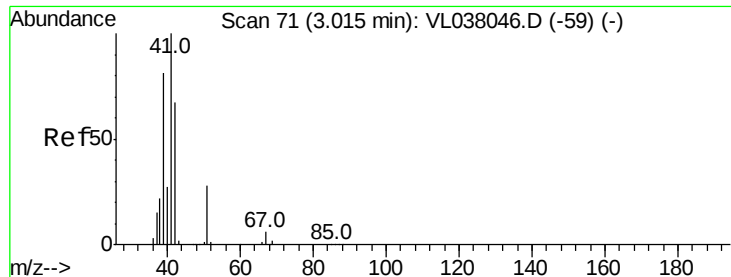
Tgt Ion: 85 Resp: 1361352

Ion Ratio Lower Upper

85 100

135 70.1 57.9 86.9





#9

Propene

Concen: 9.731 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

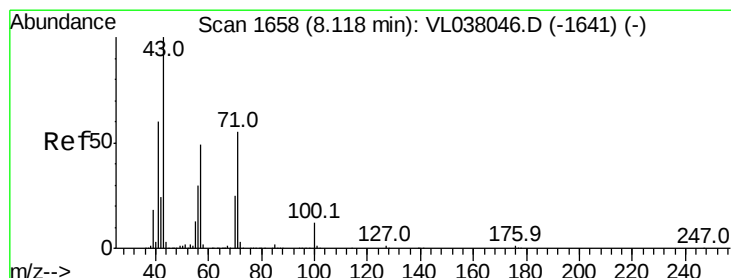
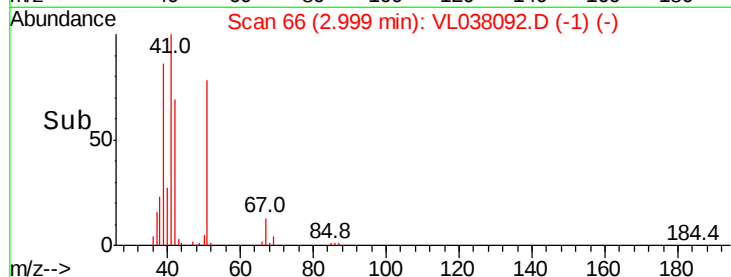
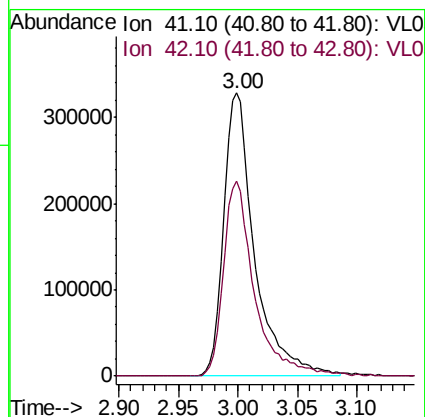
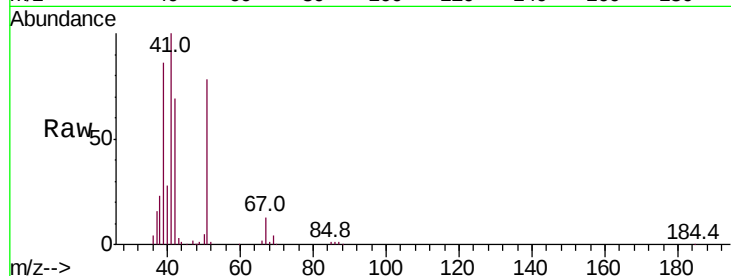
Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion: 41 Resp: 591196

Ion Ratio Lower Upper

41 100

42 69.7 53.8 80.8



#10

Heptane

Concen: 9.954 ppbv

RT: 8.09 min Scan# 1650

Delta R.T. -0.03 min

Lab File: VL038092.D

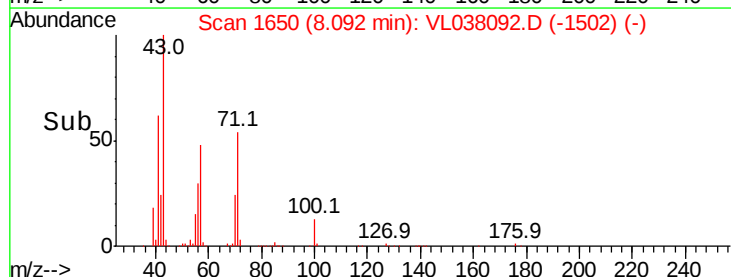
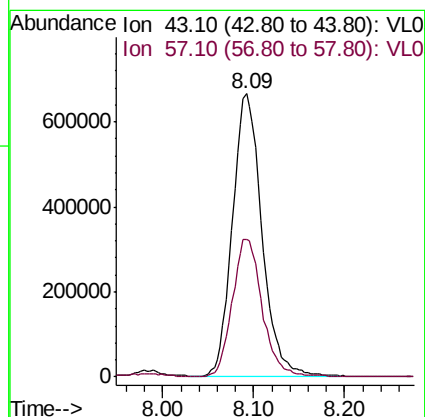
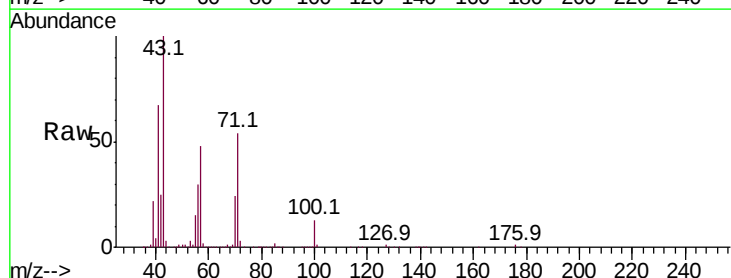
Acq: 19 Nov 2021 19:25

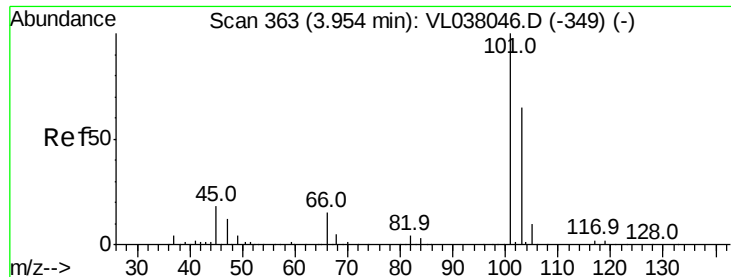
Tgt Ion: 43 Resp: 1494617

Ion Ratio Lower Upper

43 100

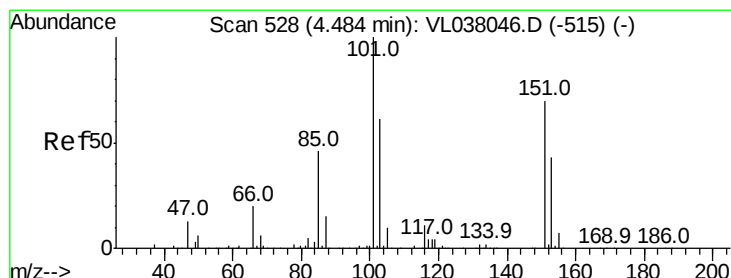
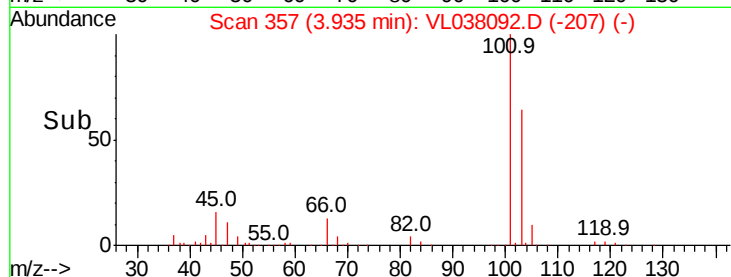
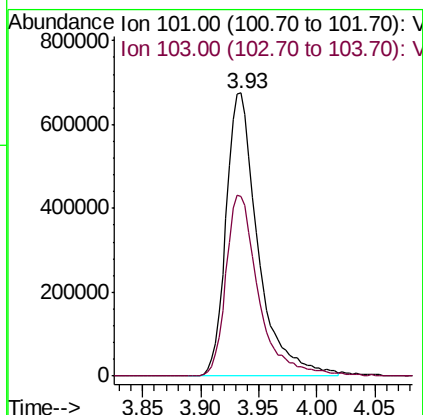
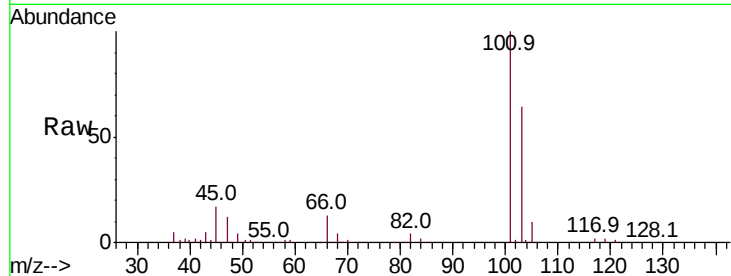
57 49.5 40.4 60.6





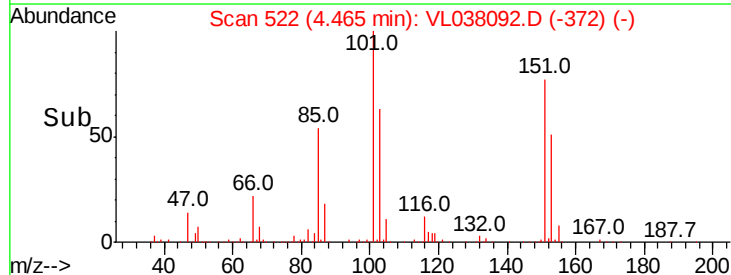
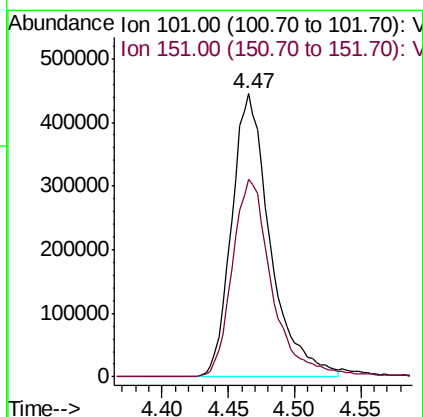
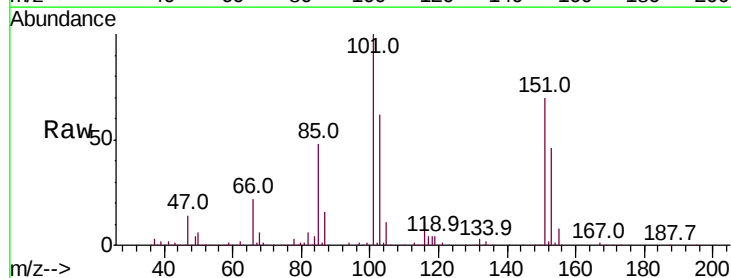
#11
 Trichlorofluoromethane
 Concen: 10.491 ppbv
 RT: 3.93
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 19 Nov 2021 19:25

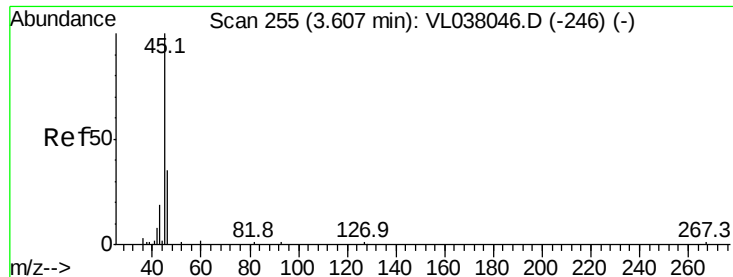
Tot Ion:101 Resp: 1294608
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.328 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. -0.02 min
 Lab File: VL038092.D
 Acq: 19 Nov 2021 19:25

Tgt Ion:101 Resp: 901562
 Ion Ratio Lower Upper
 101 100
 151 72.6 59.0 88.4





#13

Ethanol

Concen: 1.975 ppbv

RT: 3.60 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

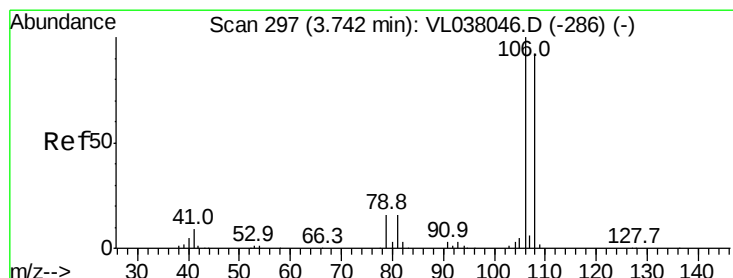
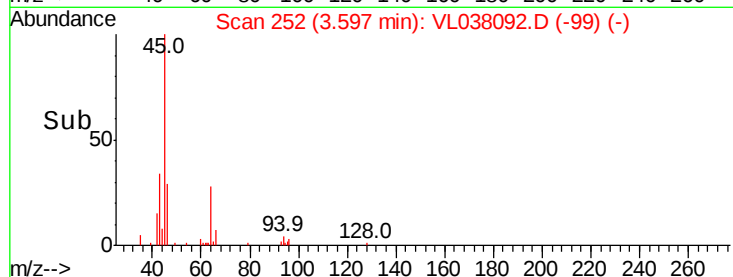
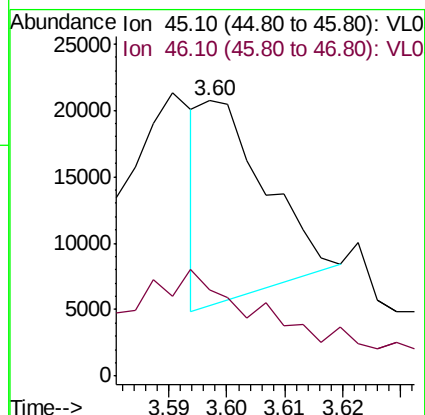
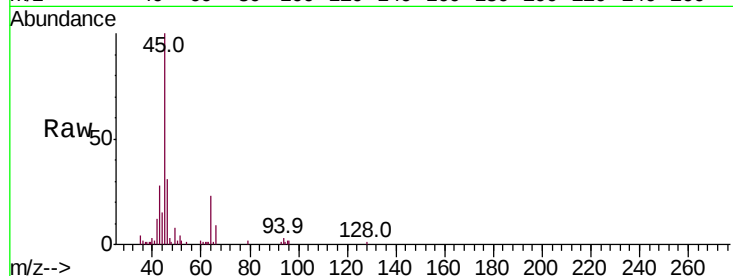
Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion: 45 Resp: 11593

Ion Ratio Lower Upper

45 100

46 168.3 17.6 70.2#



#14

Bromoethene

Concen: 10.033 ppbv

RT: 3.72 min Scan# 291

Delta R.T. -0.02 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

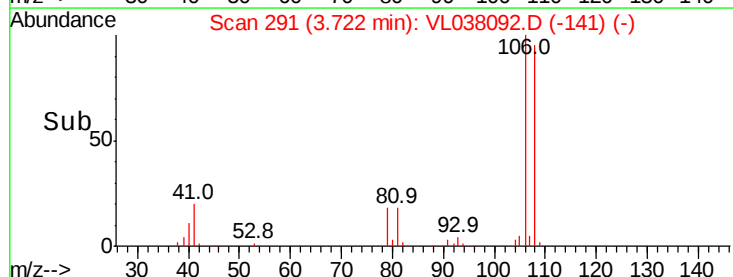
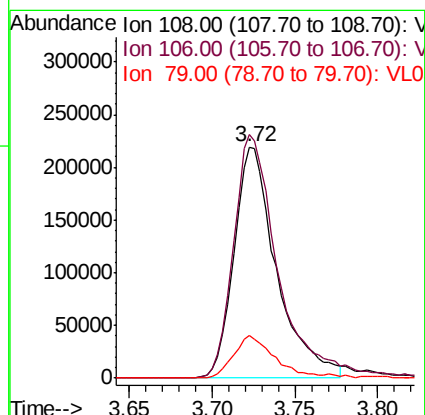
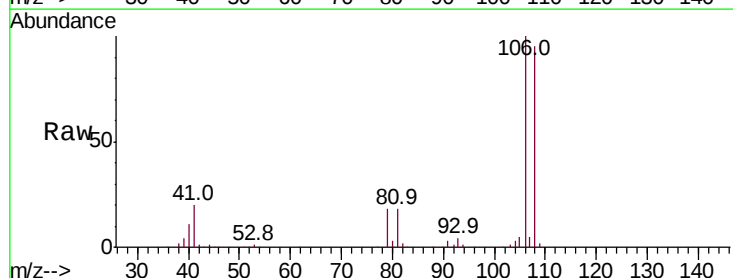
Tgt Ion: 108 Resp: 392178

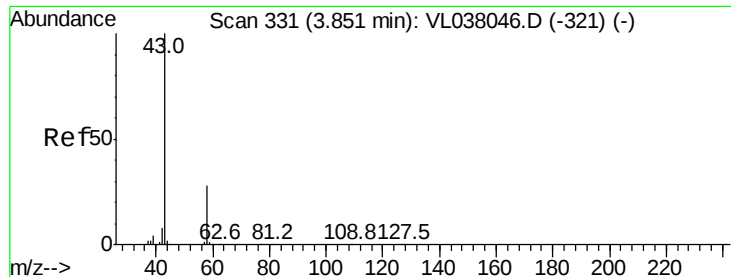
Ion Ratio Lower Upper

108 100

106 112.1 89.4 134.0

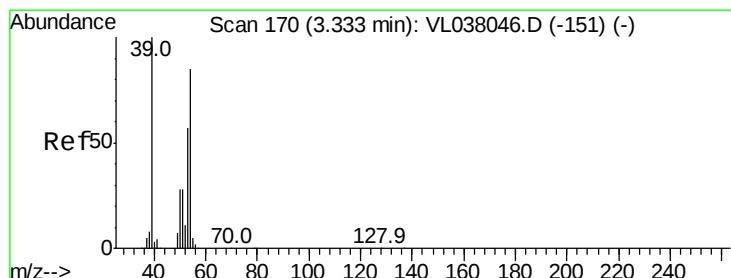
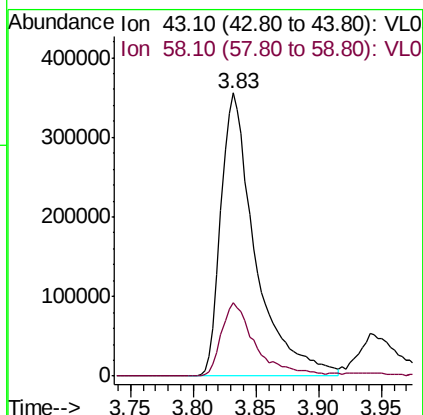
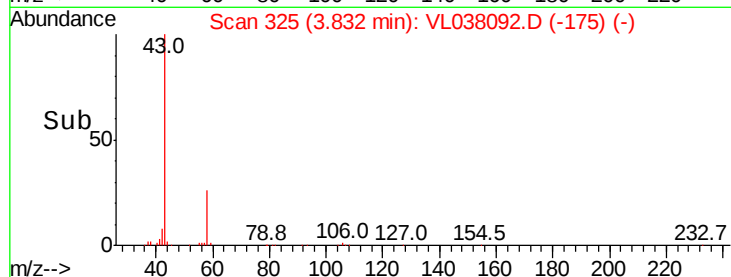
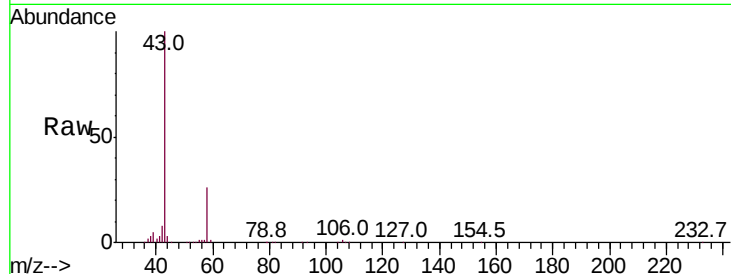
79 19.0 14.1 21.1





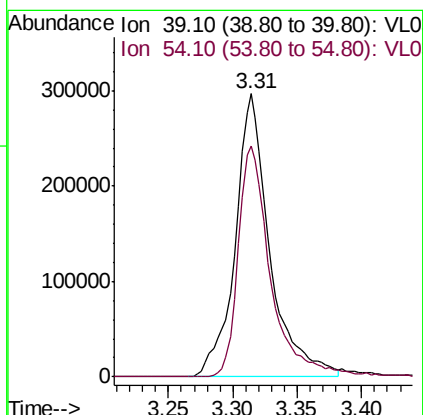
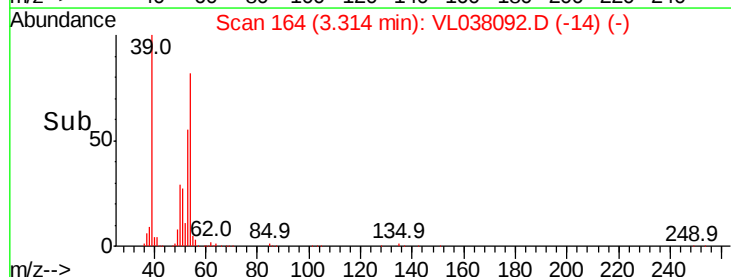
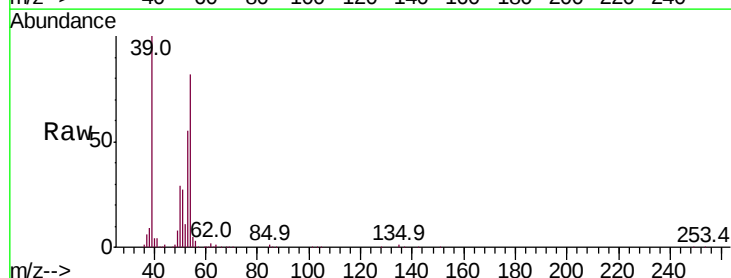
#15
Acetone
Concen: 9.991 ppbv
RT: 3.83
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 19 Nov 2021 19:25

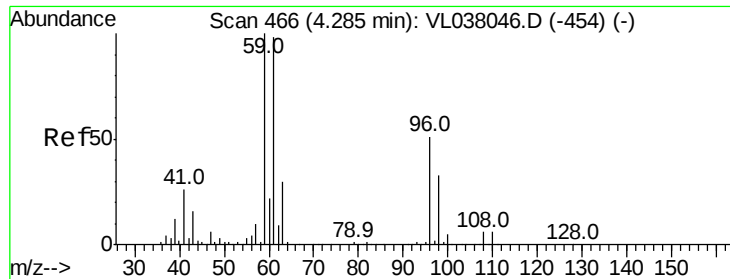
Tot Ion: 43 Resp: 680445
Ion Ratio Lower Upper
43 100
58 25.9 22.4 33.6



#16
1,3-Butadiene
Concen: 10.360 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.02 min
Lab File: VL038092.D
Acq: 19 Nov 2021 19:25

Tgt Ion: 39 Resp: 550460
Ion Ratio Lower Upper
39 100
54 78.0 64.4 96.6





#17

tert-Butyl alcohol

Concen: 9.149 ppbv

RT: 4.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

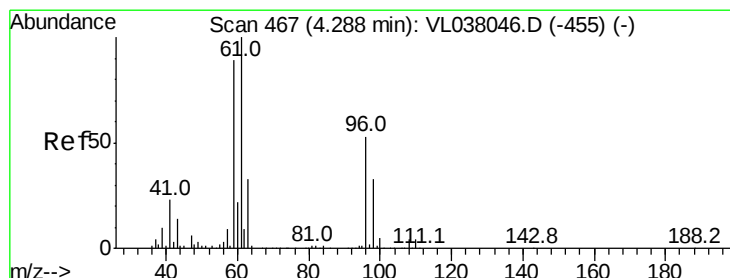
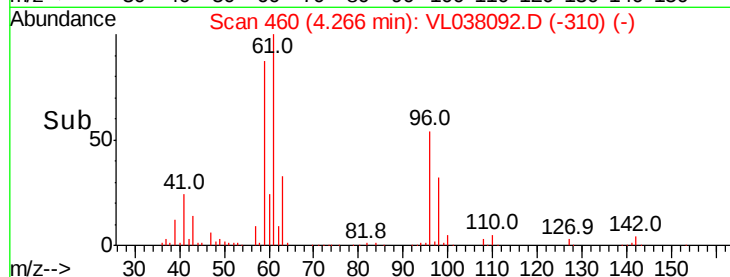
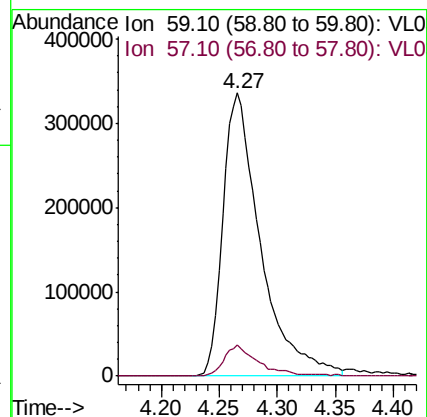
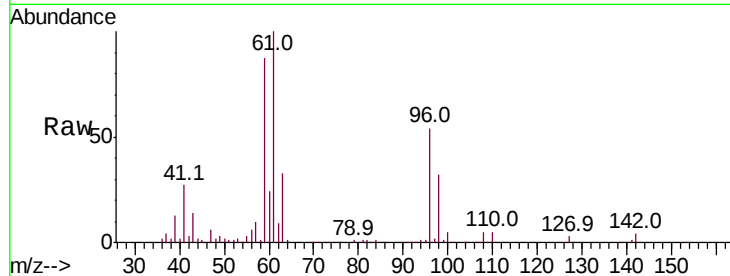
Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion: 59 Resp: 755860

Ion Ratio Lower Upper

59 100

57 10.4 8.6 13.0



#18

1,1-Dichloroethene

Concen: 10.157 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.02 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

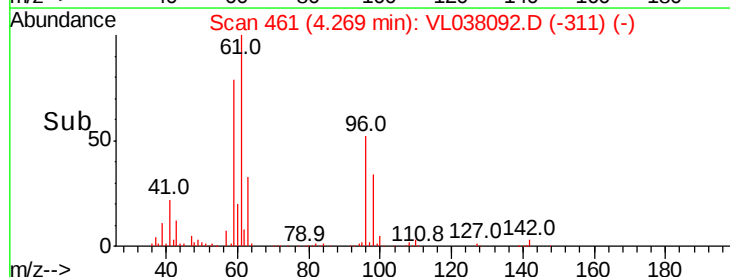
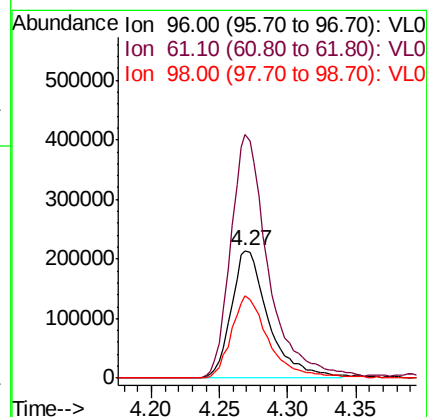
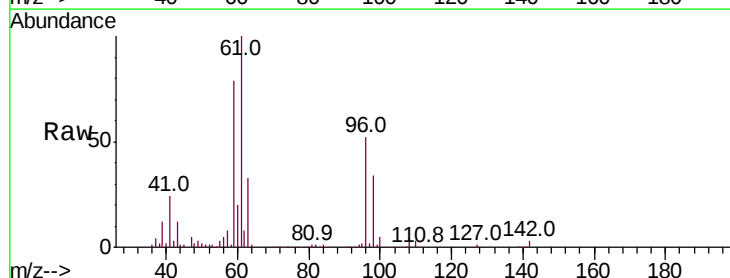
Tgt Ion: 96 Resp: 406725

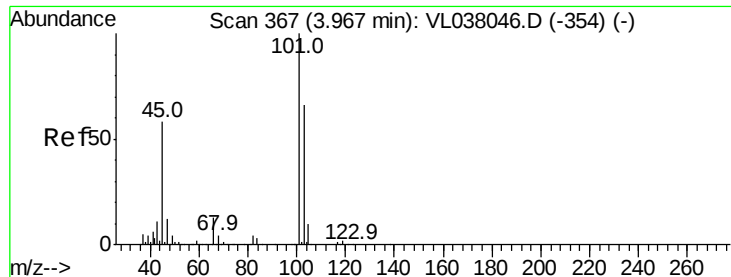
Ion Ratio Lower Upper

96 100

61 191.2 149.8 224.8

98 64.5 50.2 75.2





#19

Isopropyl Alcohol

Concen: 8.446 ppbv

RT: 3.94 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

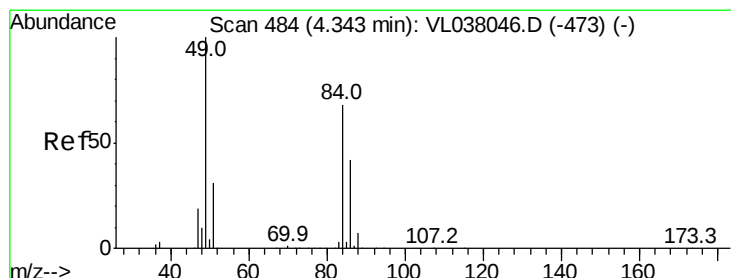
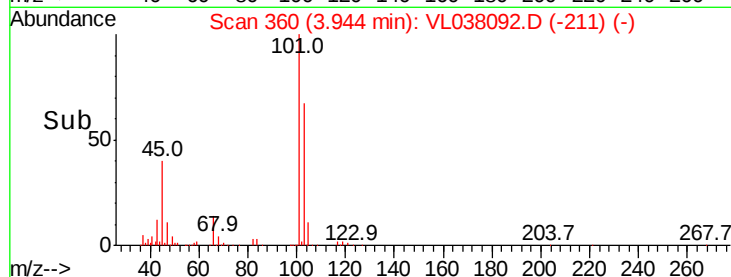
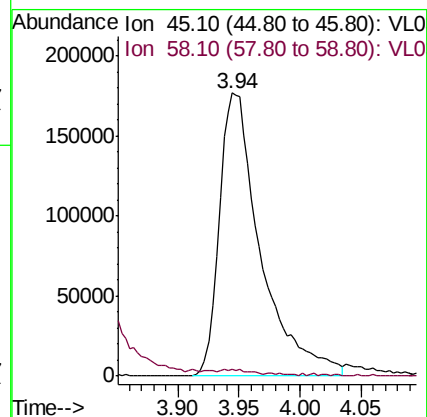
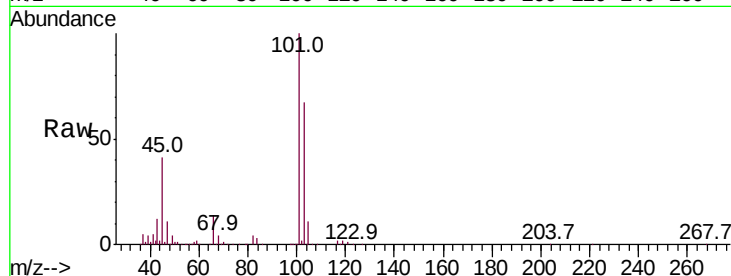
Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion: 45 Resp: 415623

Ion Ratio Lower Upper

45 100

58 2.2 1.4 2.0#



#20

Methylene Chloride

Concen: 8.615 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.02 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

Tgt Ion: 84 Resp: 328658

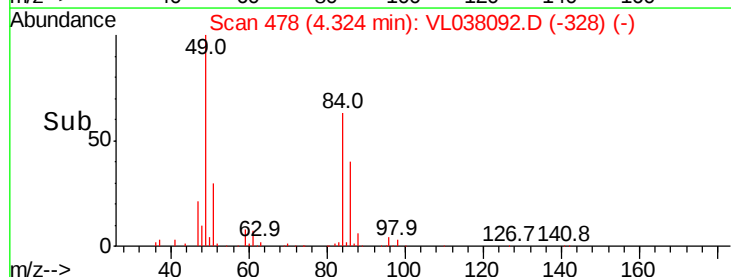
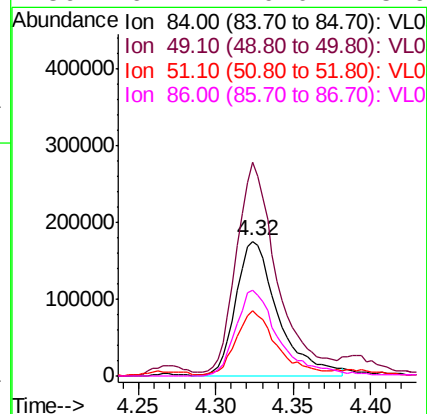
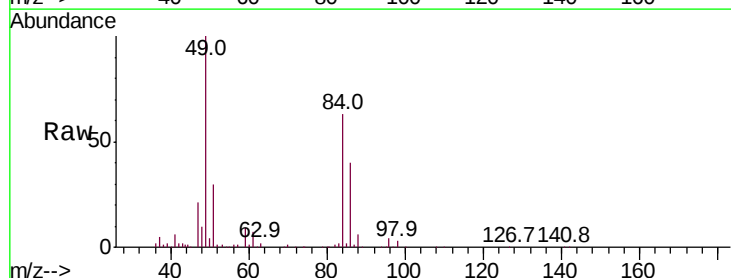
Ion Ratio Lower Upper

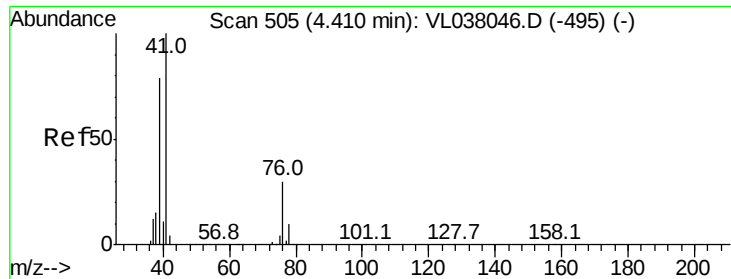
84 100

49 156.6 118.2 177.2

51 47.2 36.8 55.2

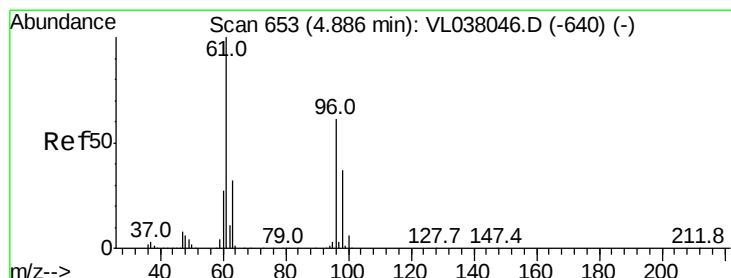
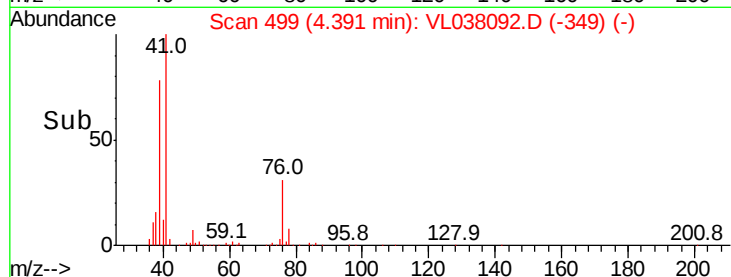
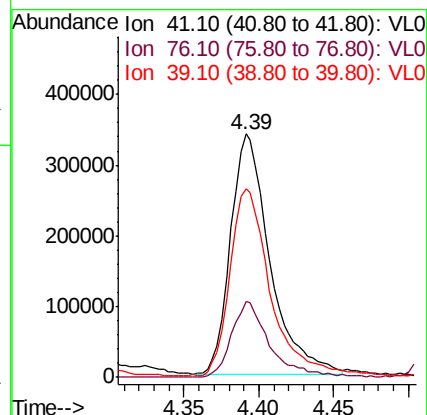
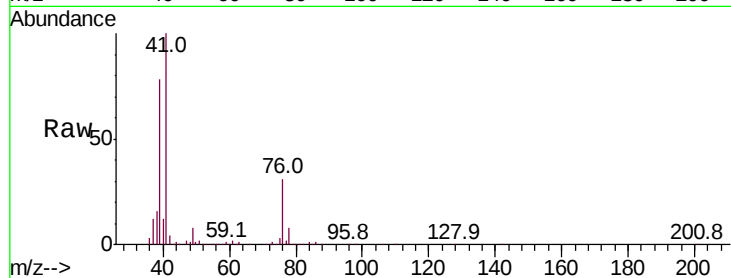
86 64.1 49.0 73.6





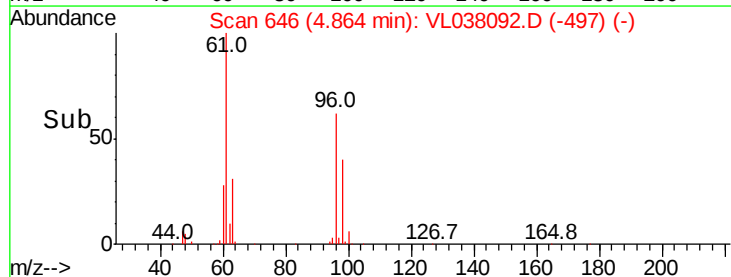
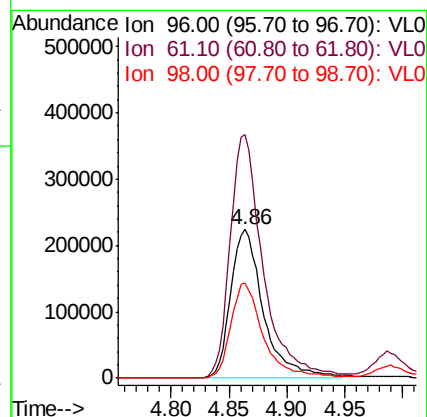
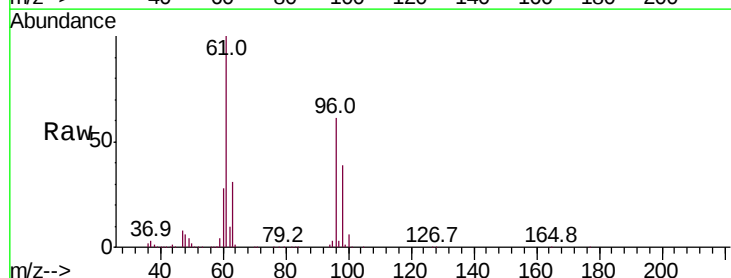
#21
Allvl Chloride
Concen: 9.846 ppbv
RT: 4.39
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Nov 2021 19:25

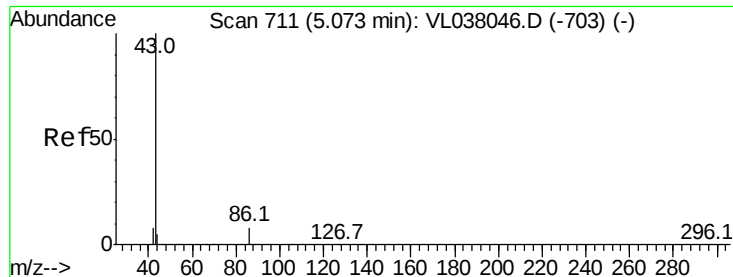
Tot Ion: 41 Resp: 620699
Ion Ratio Lower Upper
41 100
76 31.0 24.6 36.8
39 82.0 63.4 95.0



#22
trans-1,2-Dichloroethene
Concen: 10.801 ppbv
RT: 4.86 min Scan# 646
Delta R.T. -0.02 min
Lab File: VL038092.D
Acq: 19 Nov 2021 19:25

Tgt Ion: 96 Resp: 438114
Ion Ratio Lower Upper
96 100
61 163.7 131.6 197.4
98 64.0 48.4 72.6





#23

Vinyl Acetate

Concen: 10.234 ppbv

RT: 5.05 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion: 43 Resp: 1008972

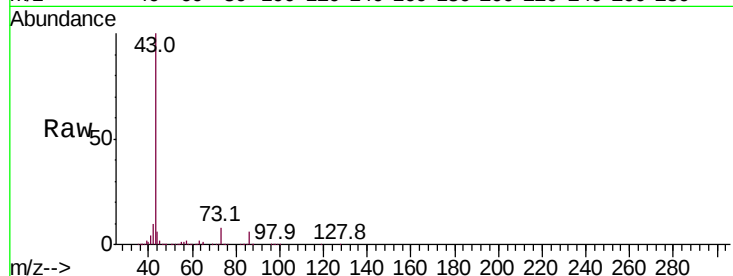
Ion Ratio Lower Upper

43 100

86 6.1 5.3 7.9

42 9.5 7.0 10.6

44 5.0 4.0 6.0

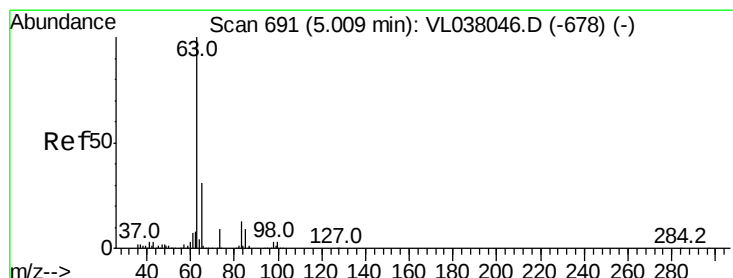
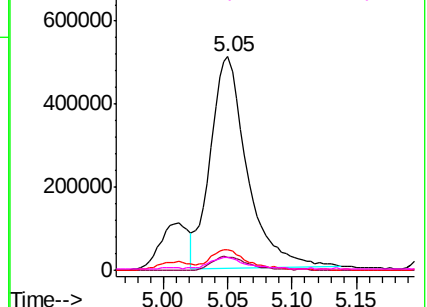
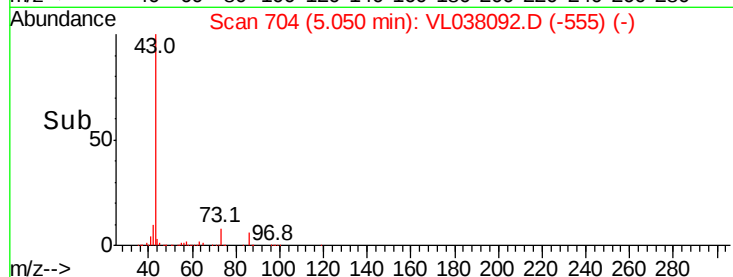


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.495 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.02 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

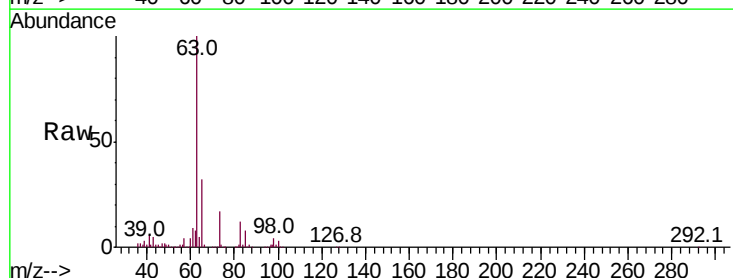
Tgt Ion: 63 Resp: 861658

Ion Ratio Lower Upper

63 100

98 4.2 1.8 5.4

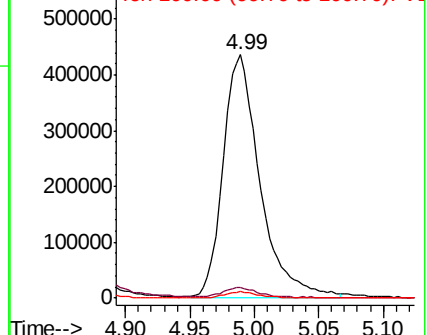
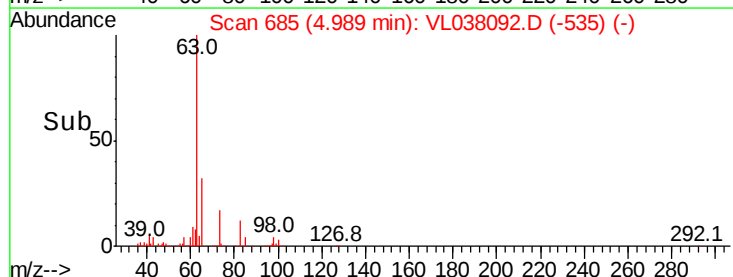
100 2.7 1.4 4.0

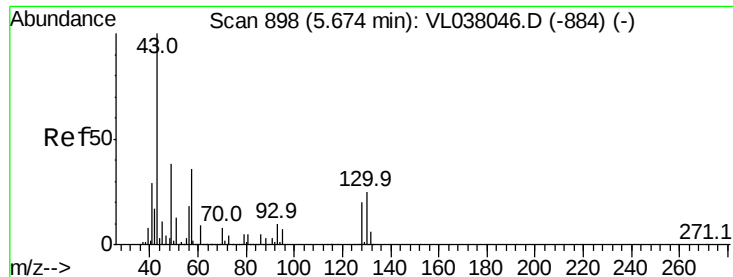


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

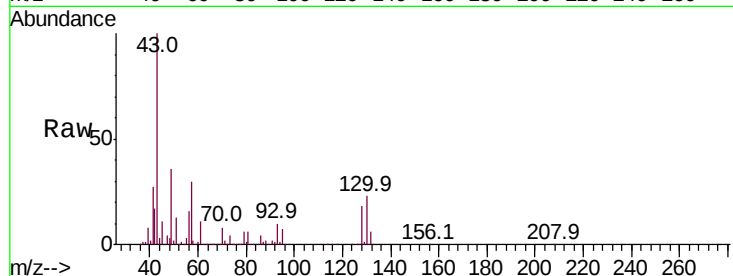
Ion 100.00 (99.70 to 100.70): VL0



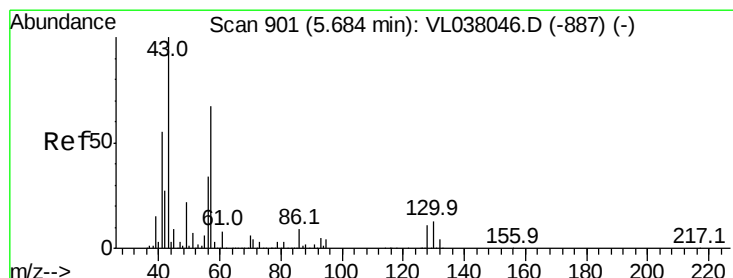
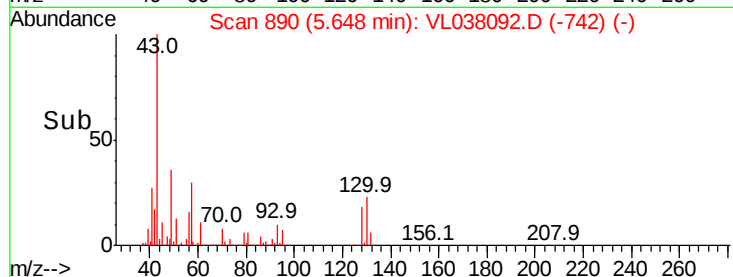
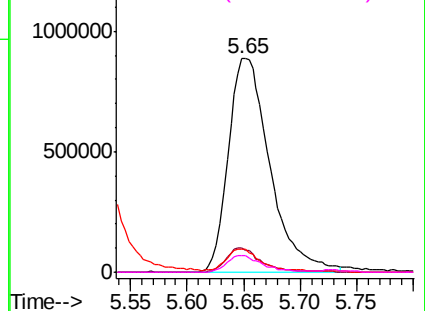


#25
Ethyl Acetate
Concen: 9.981 ppbv
RT: 5.65
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 19 Nov 2021 19:25
VSTDCCC010EC

Tot Ion:	43	Resp:	2259334
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	9.7	7.8	11.6
70	6.8	5.8	8.8

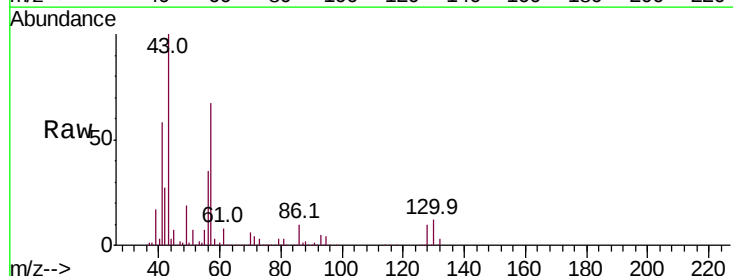


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

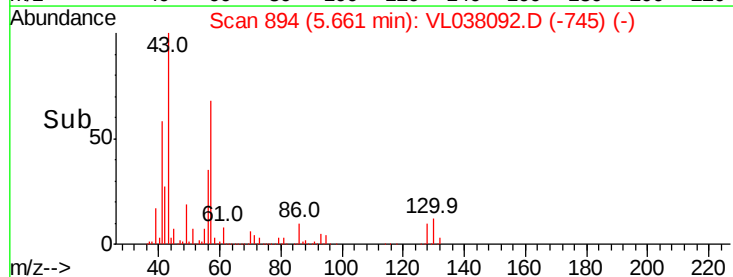
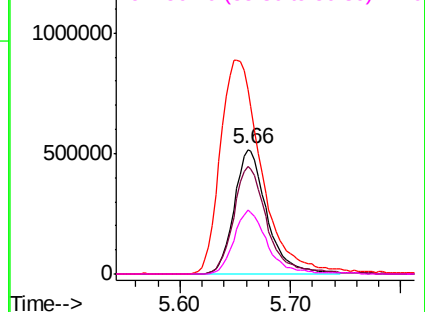


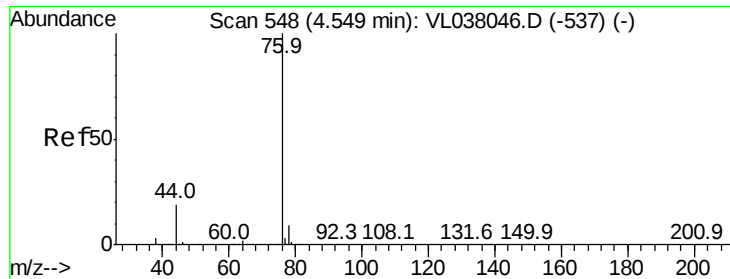
#26
Hexane
Concen: 9.760 ppbv
RT: 5.66 min Scan# 894
Delta R.T.: -0.02 min
Lab File: VL038092.D
Acq: 19 Nov 2021 19:25

Tgt Ion:	57	Resp:	1064786
Ion	Ratio	Lower	Upper
57	100		
41	88.9	71.4	107.2
43	216.5	174.6	261.8
56	52.5	43.2	64.8



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: 10.308 ppbv

RT: 4.53 Instrument:

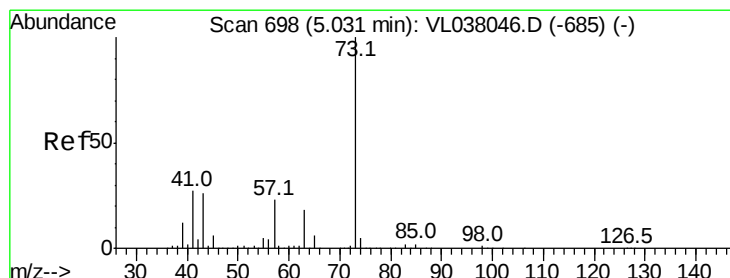
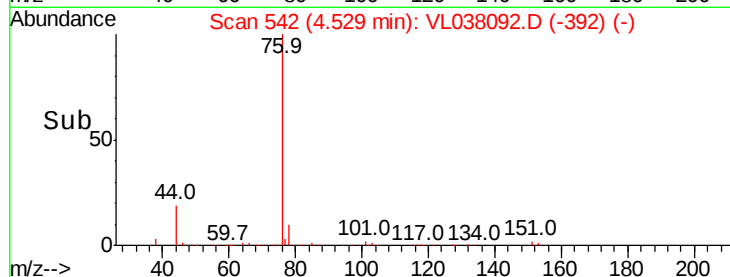
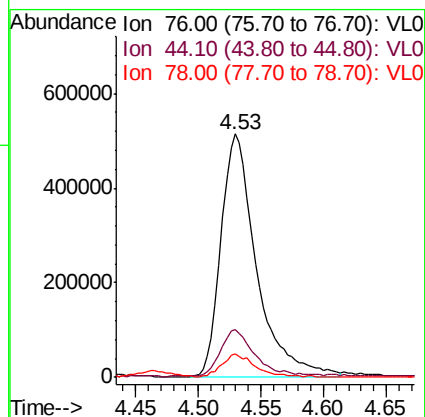
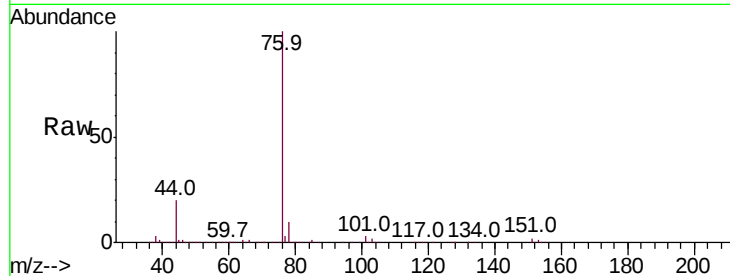
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion: 76 Resp: 1007390

Ion	Ratio	Lower	Upper
76	100		
44	19.6	14.9	22.3
78	9.7	7.6	11.4



#28

Methyl tert-Butyl Ether

Concen: 10.127 ppbv

RT: 5.01 min Scan# 691

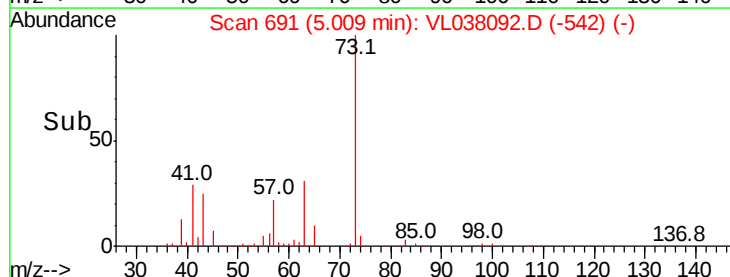
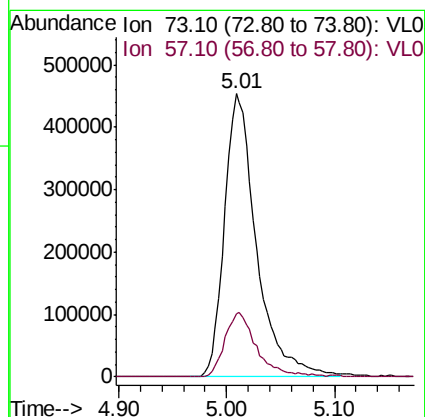
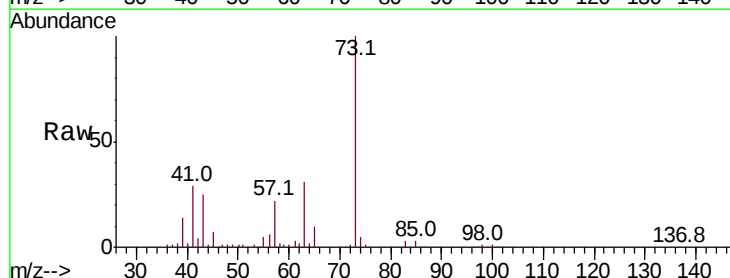
Delta R.T. -0.02 min

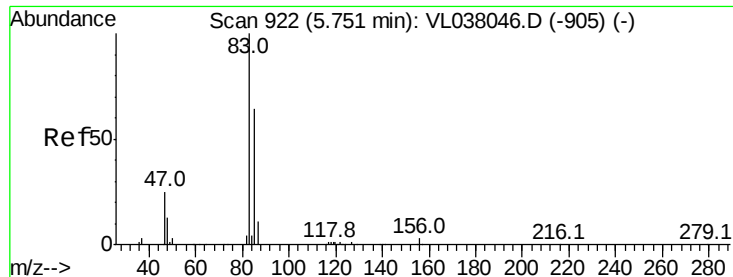
Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

Tgt Ion: 73 Resp: 938496

Ion	Ratio	Lower	Upper
73	100		
57	23.1	19.0	28.4





#29

Chloroform

Concen: 10.316 ppbv

RT: 5.73

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

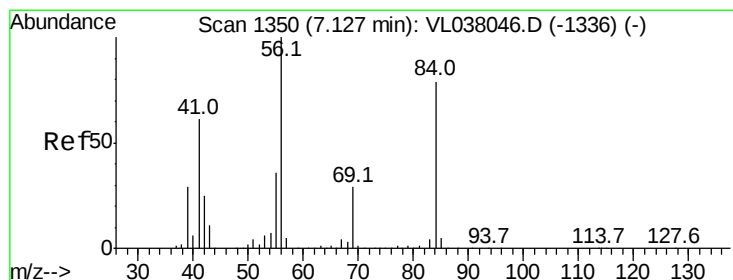
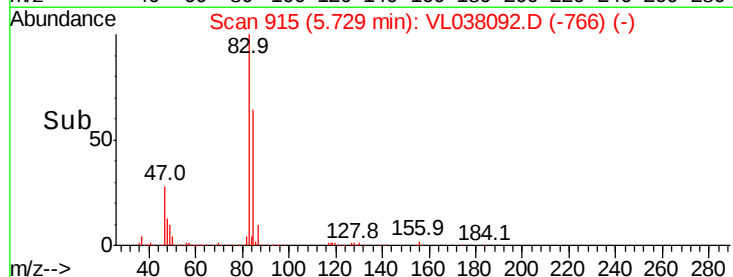
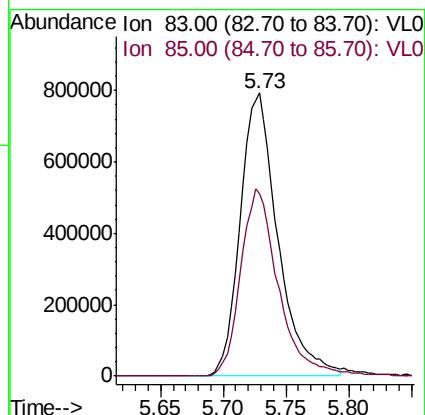
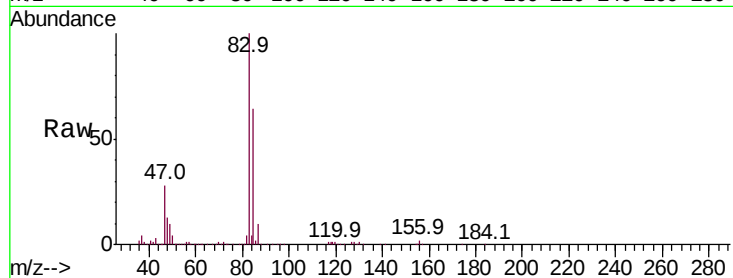
Acq: 19 Nov 2021 19:25

Tot Ion: 83 Resp: 1658732

Ion Ratio Lower Upper

83 100

85 64.0 51.0 76.6



#30

Cyclohexane

Concen: 9.624 ppbv

RT: 7.10 min Scan# 1342

Delta R.T. -0.03 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

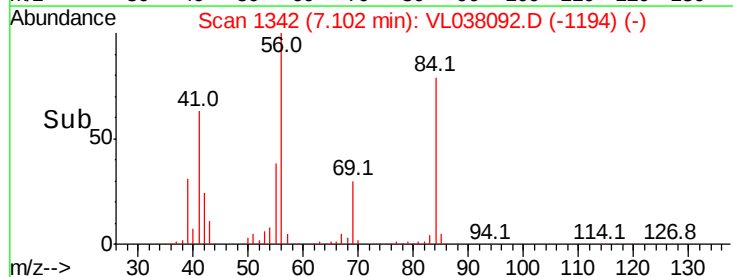
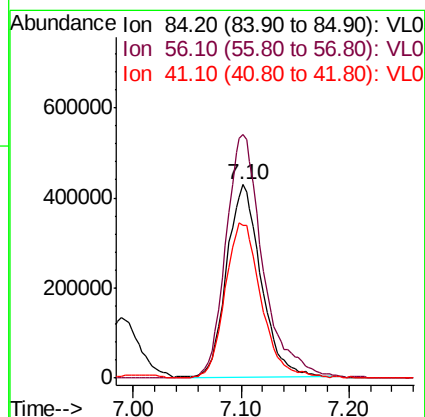
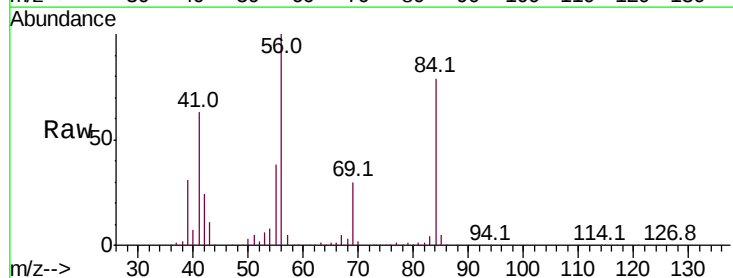
Tgt Ion: 84 Resp: 953217

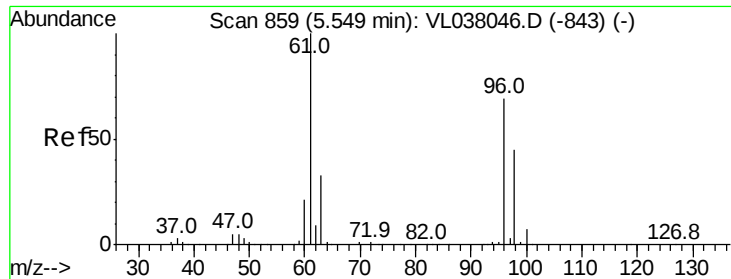
Ion Ratio Lower Upper

84 100

56 136.4 108.1 162.1

41 84.6 64.4 96.6





#31

cis-1,2-Dichloroethene

Concen: 10.417 ppbv

RT: 5.52 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 19:25 VSTDCCC010EC

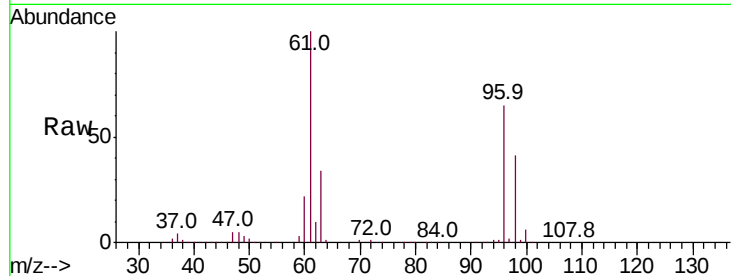
Tot Ion: 61 Resp: 1081106

Ion Ratio Lower Upper

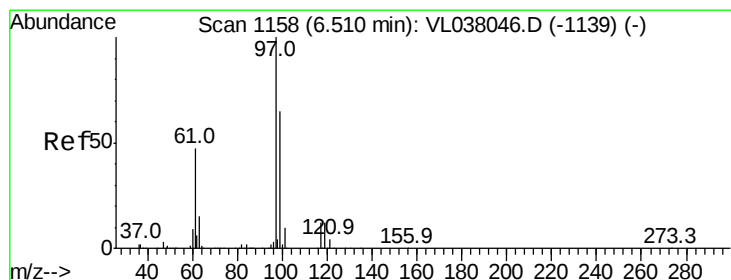
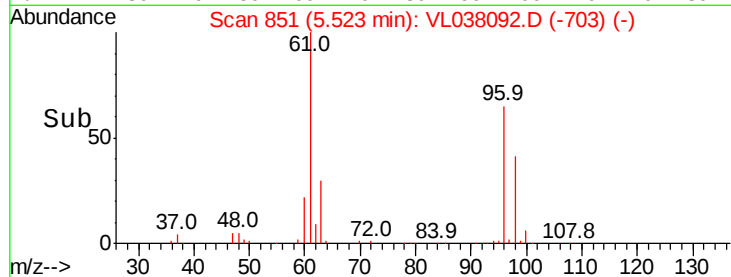
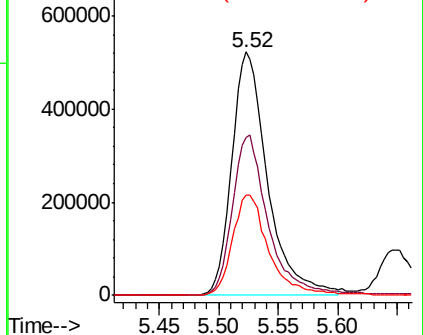
61 100

96 65.1 55.4 83.2

98 41.2 35.7 53.5



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: 10.171 ppbv

RT: 6.48 min Scan# 1150

Delta R.T. -0.03 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

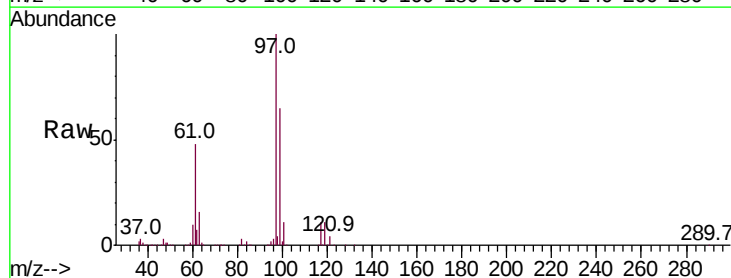
Tgt Ion: 97 Resp: 1659748

Ion Ratio Lower Upper

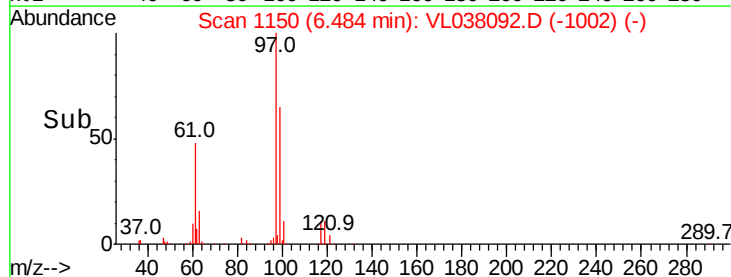
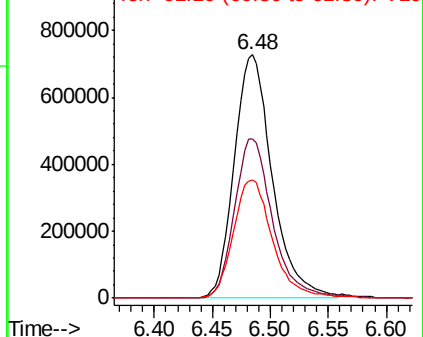
97 100

99 65.6 52.2 78.4

61 50.4 37.7 56.5



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: 7.15

Instrument: MSVOA_1

Delta R.T.:

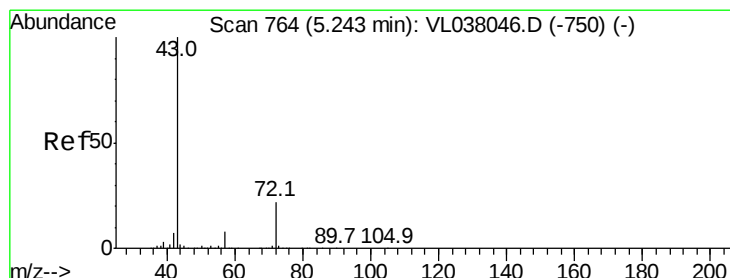
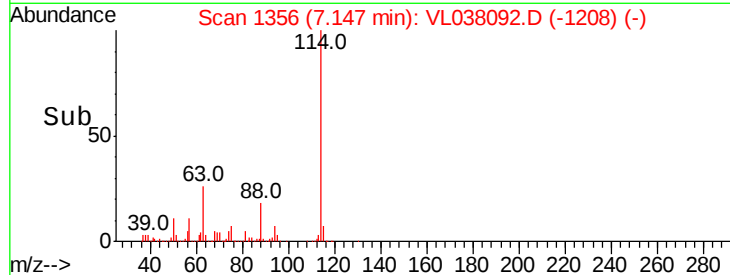
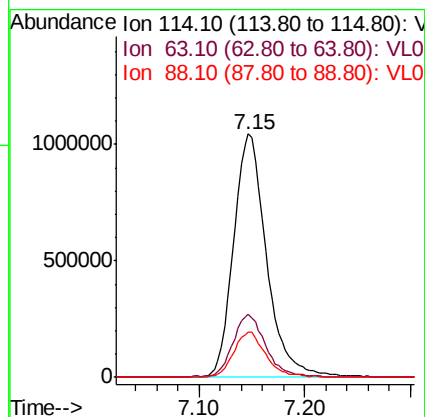
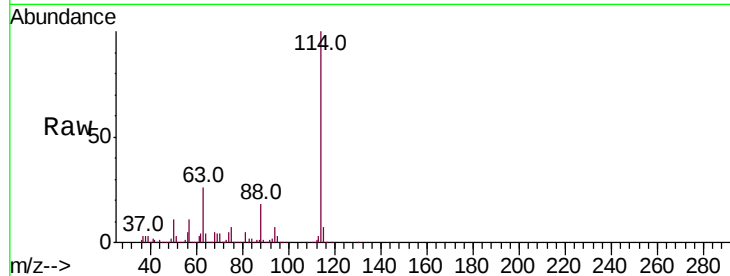
ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 19 Nov 2021 19:25

Tot Ion:114 Resp: 2261645

Ion	Ratio	Lower	Upper
114	100		
63	26.3	19.7	29.5
88	18.5	14.4	21.6



#34

2-Butanone

Concen: 9.655 ppbv

RT: 5.22 min Scan# 757

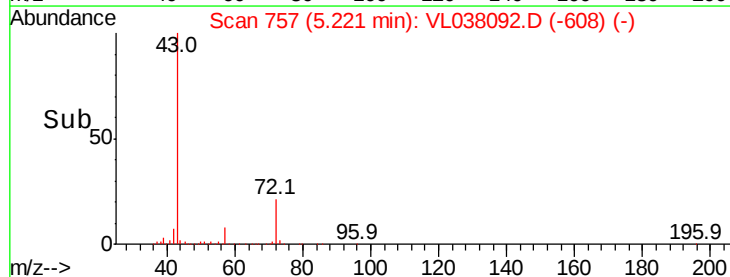
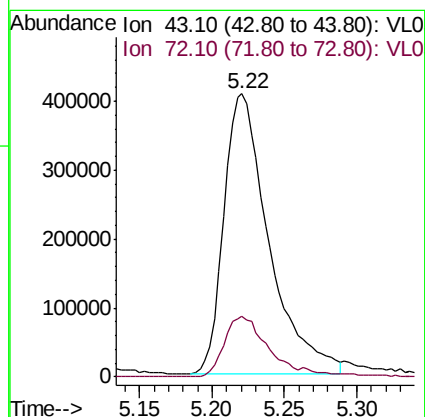
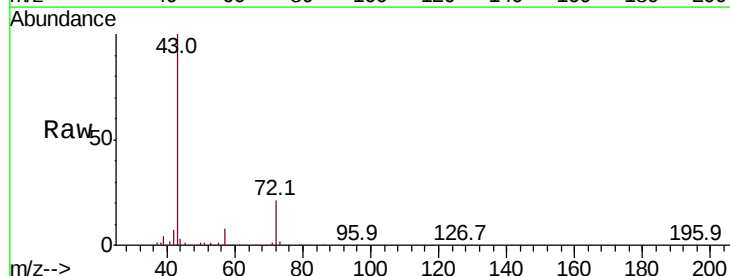
Delta R.T. -0.02 min

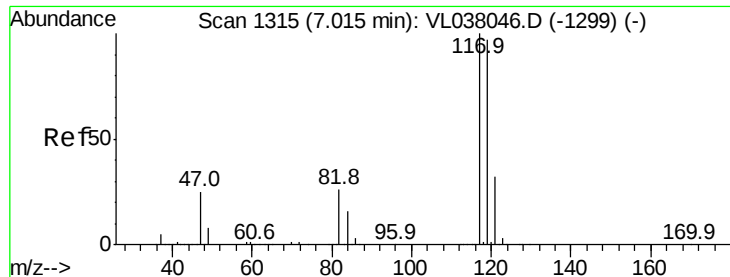
Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

Tgt Ion: 43 Resp: 880490

Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.8	28.2





#35

Carbon Tetrachloride

Concen: 10.835 ppbv

RT: 6.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 19:25 VSTDCCC010EC

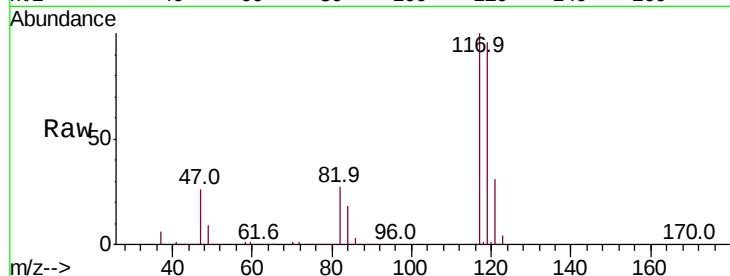
Tot Ion:117 Resp: 1721719

Ion Ratio Lower Upper

117 100

119 96.5 77.7 116.5

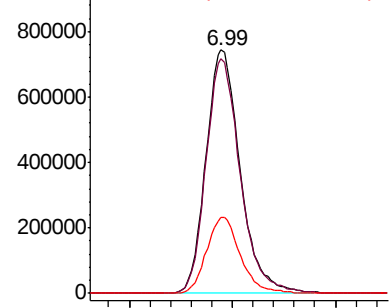
121 31.3 25.6 38.4



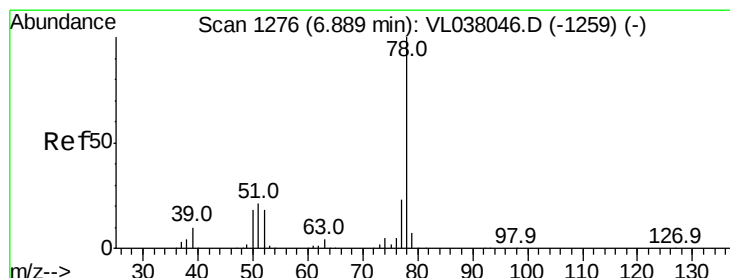
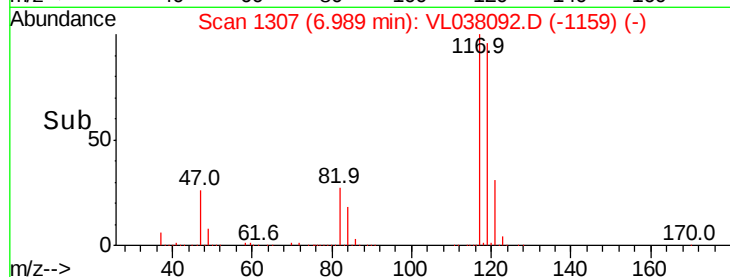
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



Time-->



#36

Benzene

Concen: 10.288 ppbv

RT: 6.86 min Scan# 1268

Delta R.T. -0.03 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

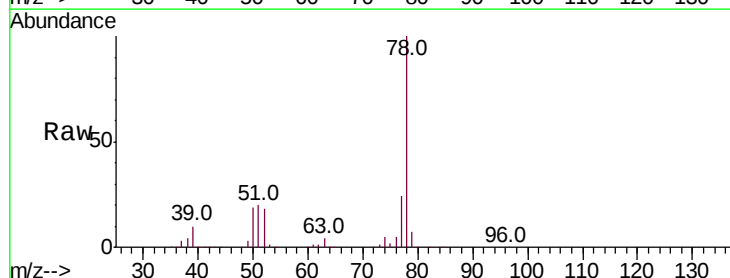
Tgt Ion: 78 Resp: 2320974

Ion Ratio Lower Upper

78 100

77 23.5 18.2 27.4

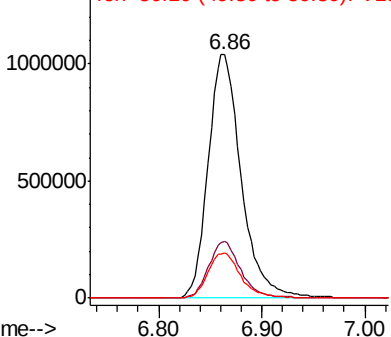
50 18.6 14.7 22.1



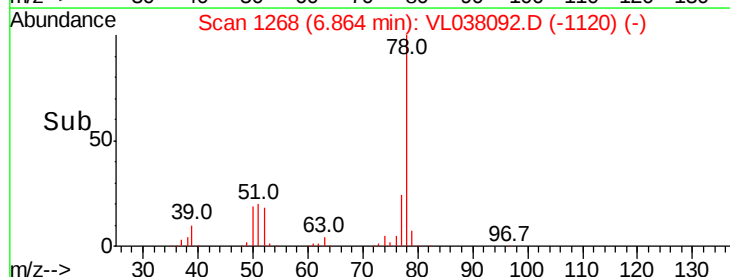
Abundance Ion 78.10 (77.80 to 78.80): VL0

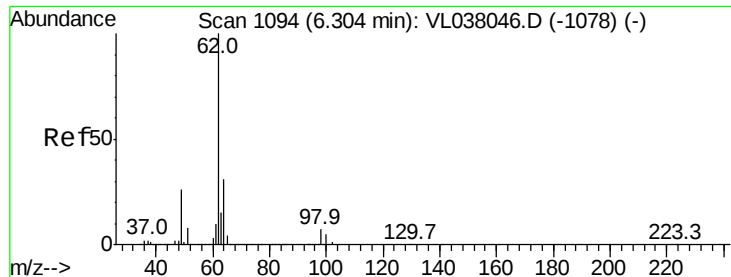
Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



Time-->





#37

1,2-Dichloroethane

Concen: 11.826 ppbv

RT: 6.28

Instrument: MSVOA_1

Delta R.T.:

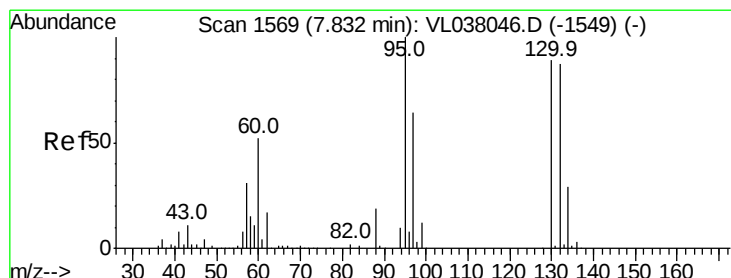
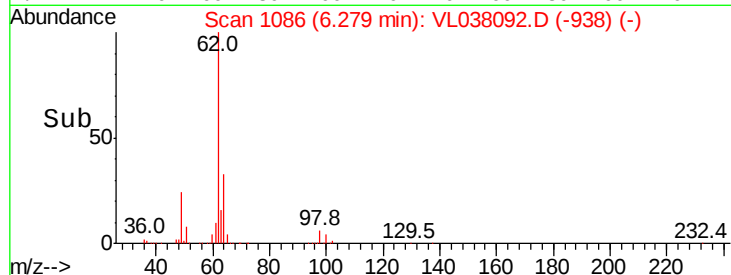
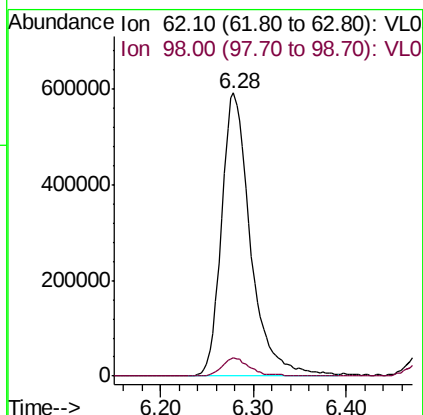
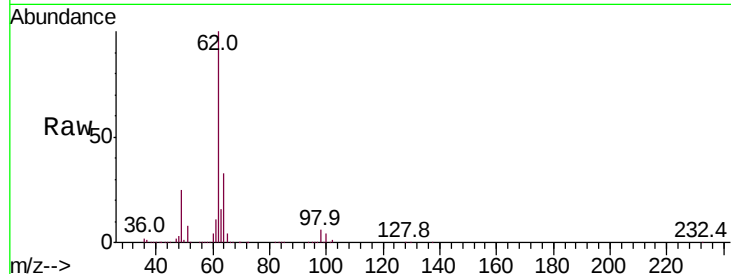
ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 19 Nov 2021 19:25

Tot Ion: 62 Resp: 1288557

Ion	Ratio	Lower	Upper
62	100		
98	6.3	5.8	8.6



#38

Trichloroethene

Concen: 9.478 ppbv

RT: 7.81 min Scan# 1561

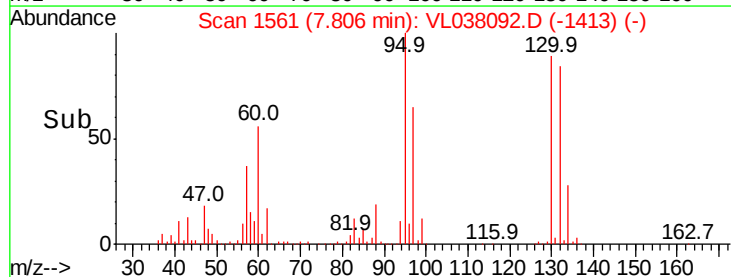
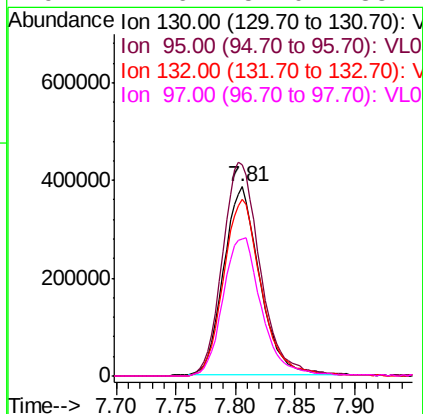
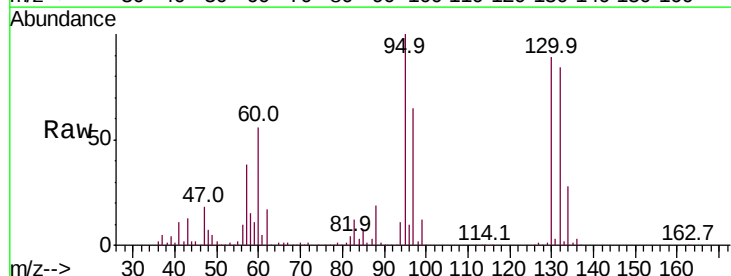
Delta R.T. -0.03 min

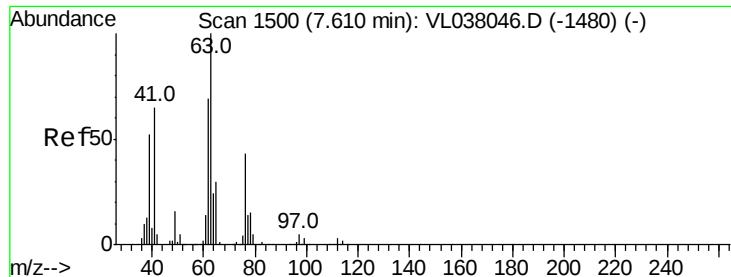
Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

Tgt Ion:130 Resp: 806563

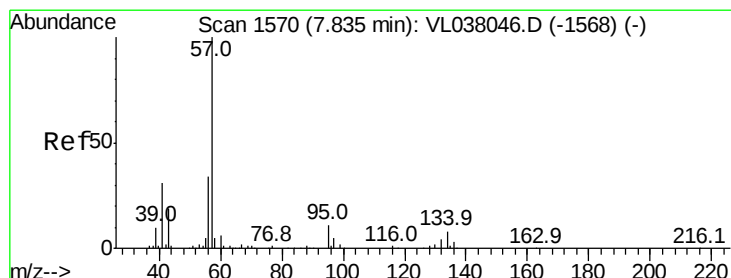
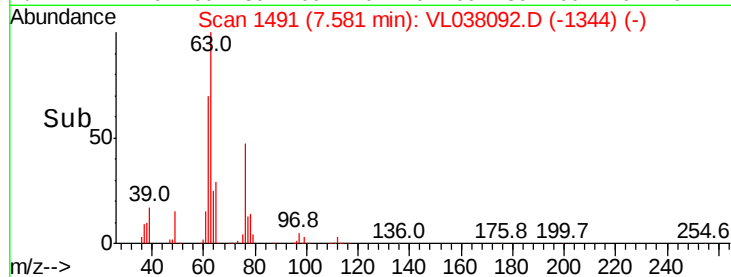
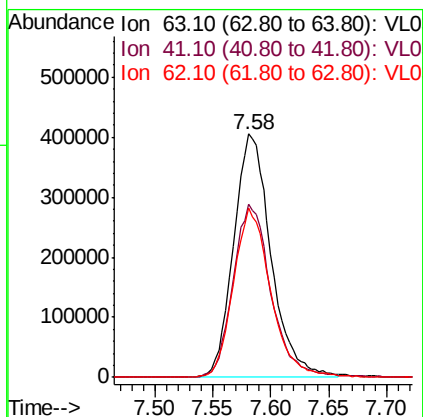
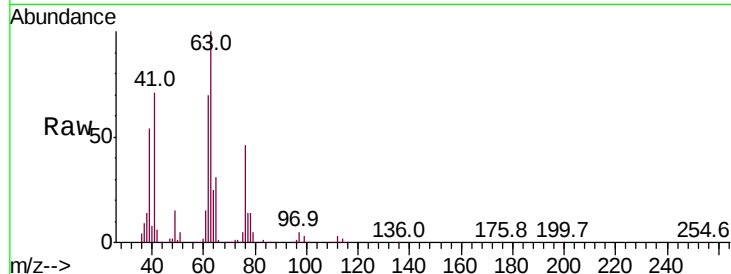
Ion	Ratio	Lower	Upper
130	100		
95	112.3	89.4	134.2
132	94.1	78.2	117.2
97	72.6	57.0	85.4





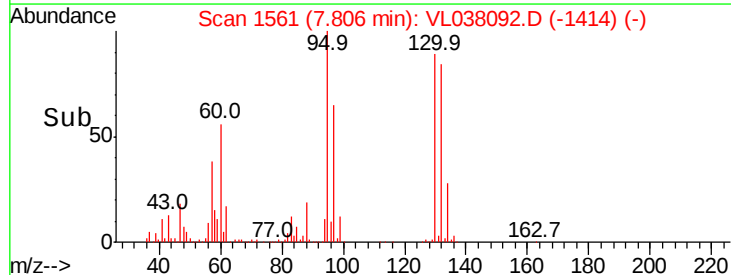
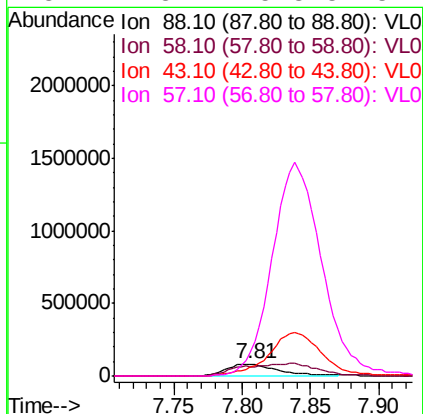
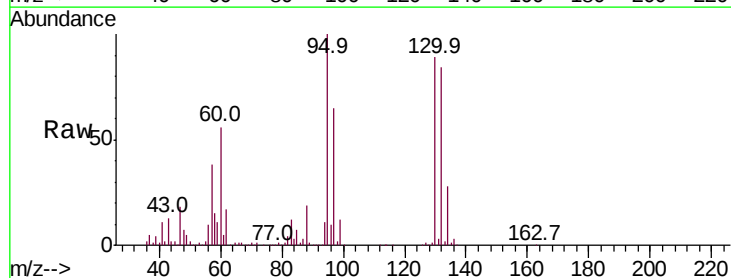
#39
 1,2-Dichloropropane
 Concen: 10.457 ppbv
 RT: 7.58
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 19 Nov 2021 19:25 VSTDCCC010EC

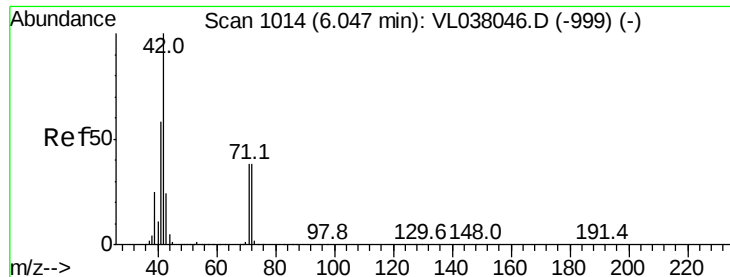
Tot Ion: 63 Resp: 905005
 Ion Ratio Lower Upper
 63 100
 41 70.9 52.3 78.5
 62 69.5 55.1 82.7



#40
 1,4-Dioxane
 Concen: 9.421 ppbv
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.03 min
 Lab File: VL038092.D
 Acq: 19 Nov 2021 19:25

Tgt Ion: 88 Resp: 212412
 Ion Ratio Lower Upper
 88 100
 58 161.7 229.2 343.8#
 43 393.8 553.3 829.9#
 57 1775.7 2513.8 3770.8#





#41

Tetrahydrofuran

Concen: 10.252 ppbv

RT: 6.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 19:25

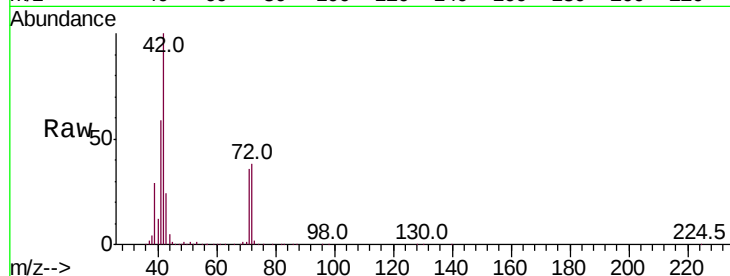
Tot Ion: 42 Resp: 580350

Ion Ratio Lower Upper

42 100

72 38.6 31.7 47.5

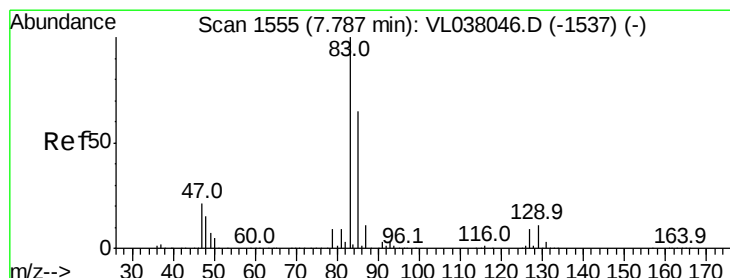
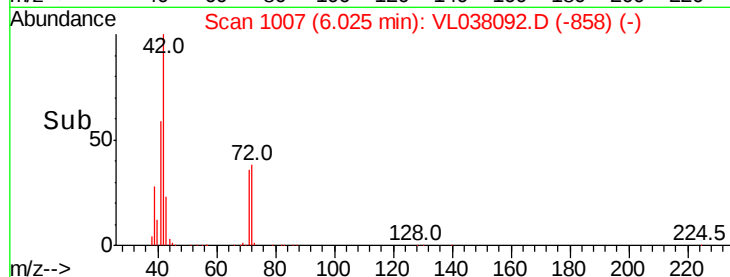
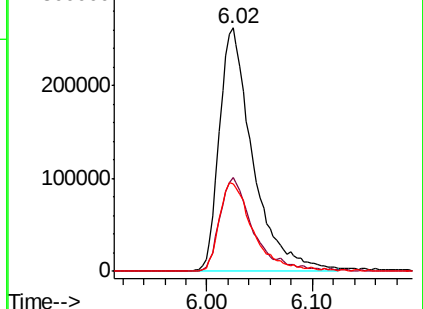
71 37.0 30.6 46.0



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 11.114 ppbv

RT: 7.76 min Scan# 1547

Delta R.T. -0.03 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

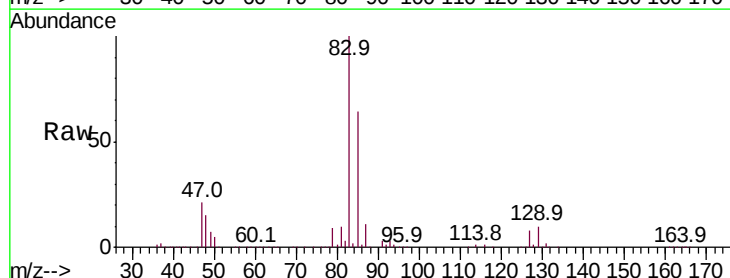
Tgt Ion: 83 Resp: 1841044

Ion Ratio Lower Upper

83 100

85 64.4 51.9 77.9

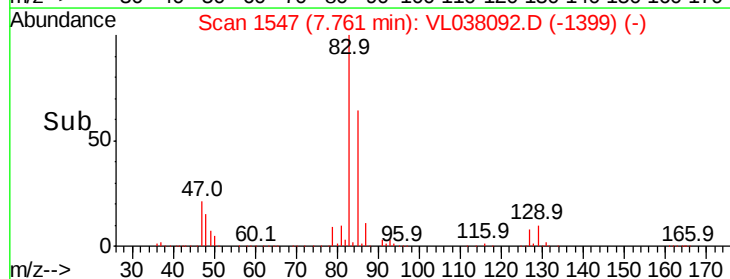
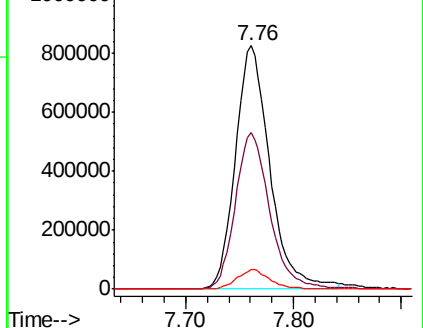
127 8.1 6.8 10.2

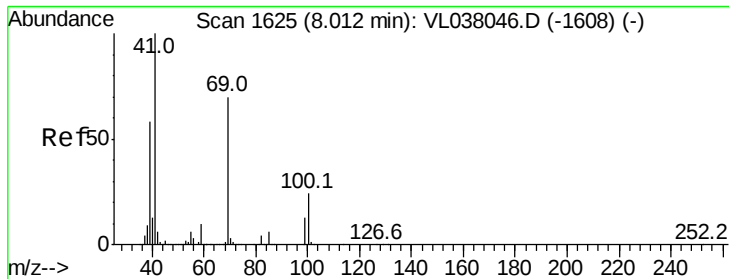


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

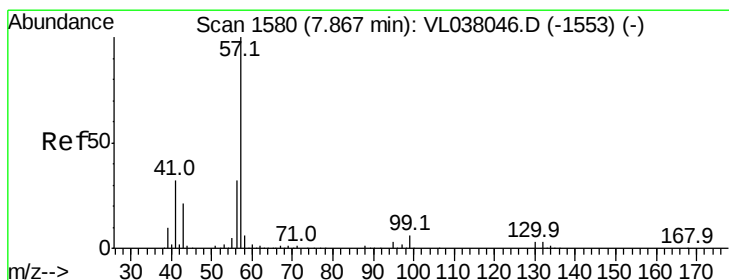
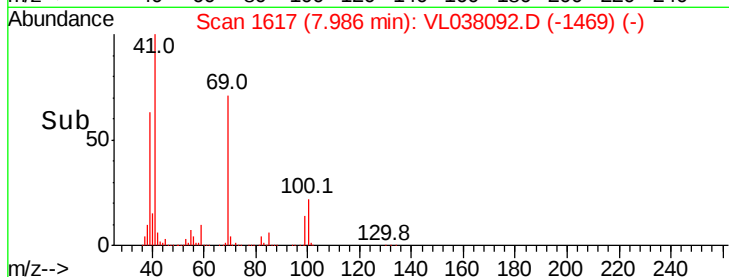
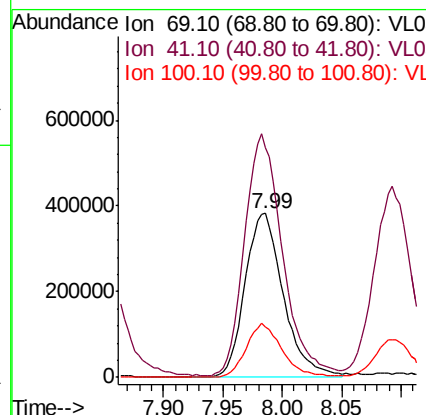
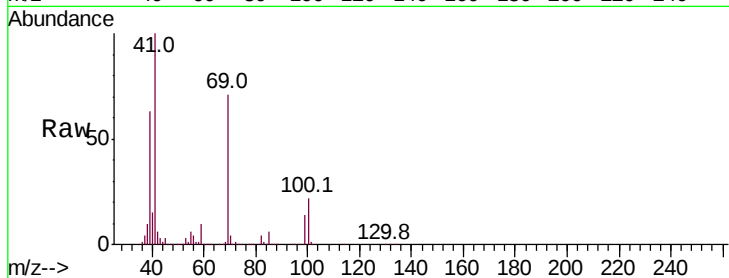
Ion 126.90 (126.60 to 127.60): V





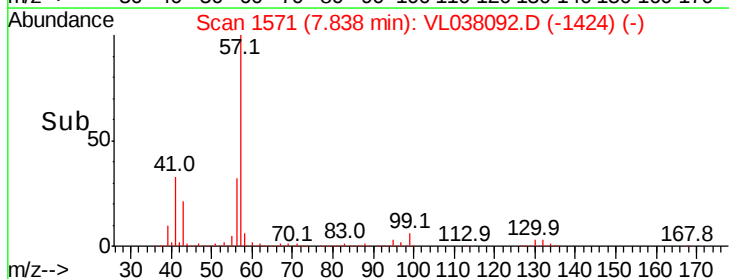
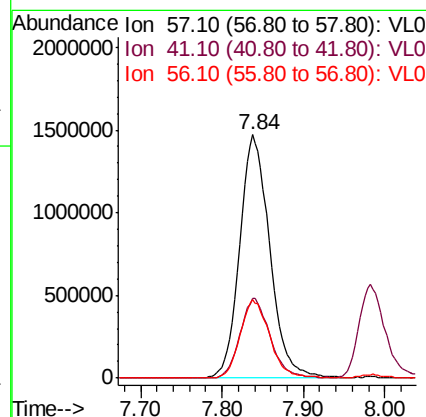
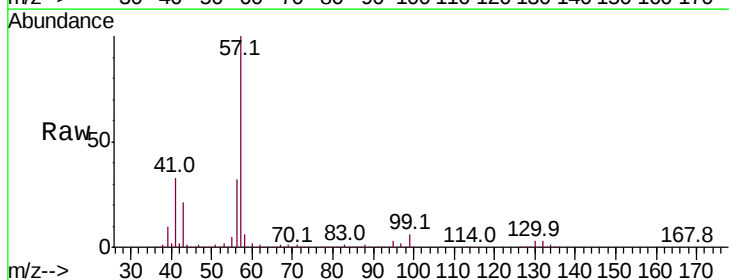
#43
Methyl Methacrylate
Concen: 11.079 ppbv
RT: 7.99
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 19 Nov 2021 19:25

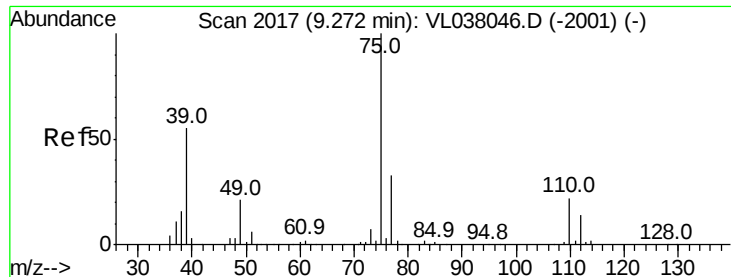
Tot Ion: 69 Resp: 855151
Ion Ratio Lower Upper
69 100
41 148.2 116.7 175.1
100 30.9 27.3 40.9



#44
2,2,4-Trimethylpentane
Concen: 9.987 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.03 min
Lab File: VL038092.D
Acq: 19 Nov 2021 19:25

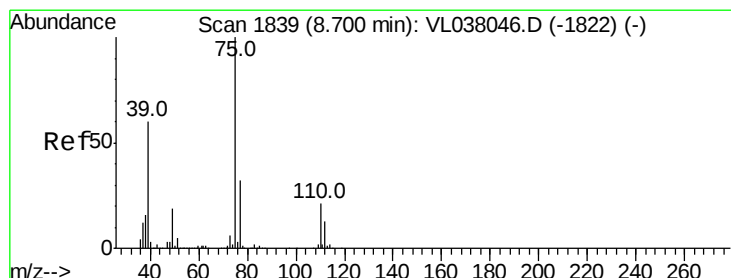
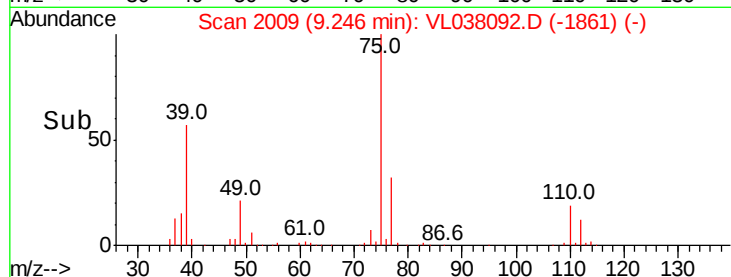
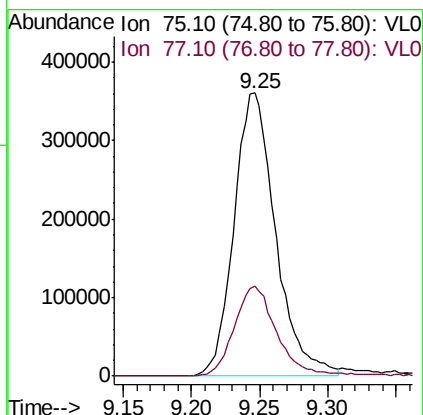
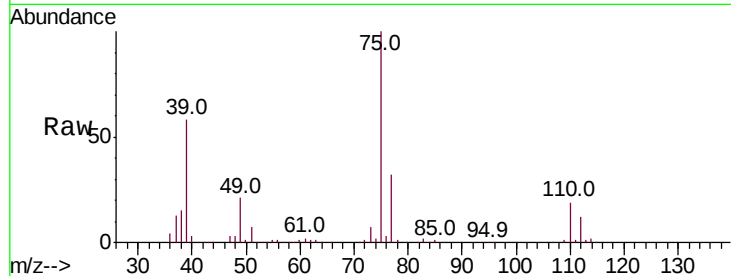
Tgt Ion: 57 Resp: 3769443
Ion Ratio Lower Upper
57 100
41 32.4 25.8 38.6
56 31.5 25.6 38.4





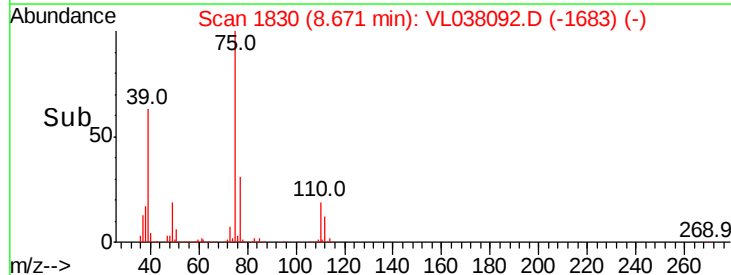
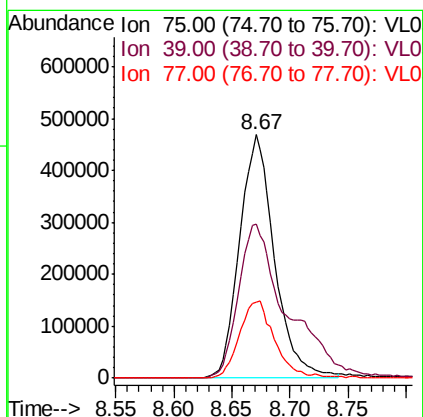
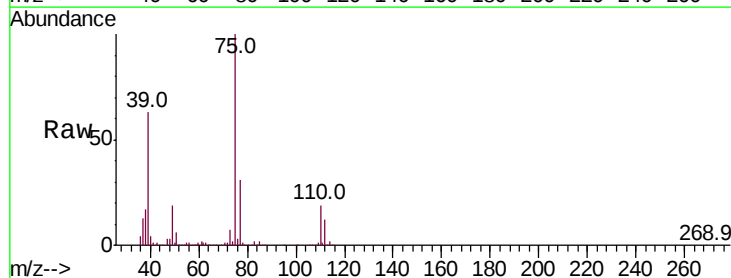
#45
t-1,3-Dichloropropene
Concen: 12.332 ppbv
RT: 9.25
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 19 Nov 2021 19:25

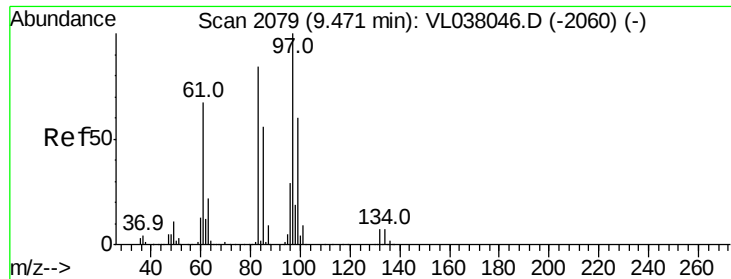
Tot Ion: 75 Resp: 763508
Ion Ratio Lower Upper
75 100
77 31.7 26.2 39.4



#46
cis-1,3-Dichloropropene
Concen: 11.711 ppbv
RT: 8.67 min Scan# 1830
Delta R.T. -0.03 min
Lab File: VL038092.D
Acq: 19 Nov 2021 19:25

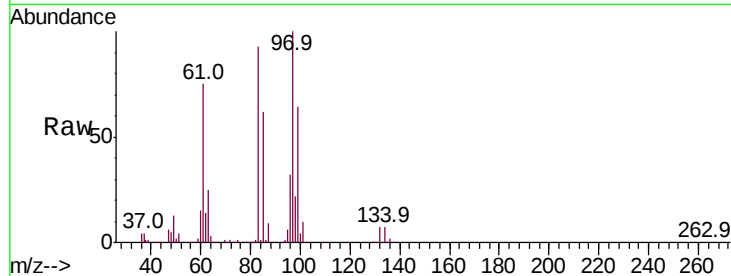
Tgt Ion: 75 Resp: 980667
Ion Ratio Lower Upper
75 100
39 63.2 47.8 71.8
77 31.4 25.5 38.3



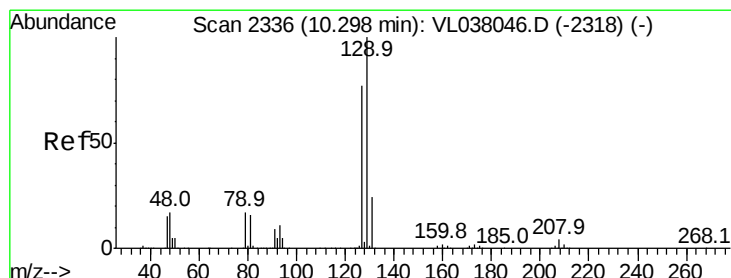
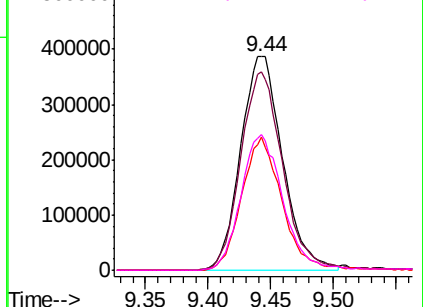
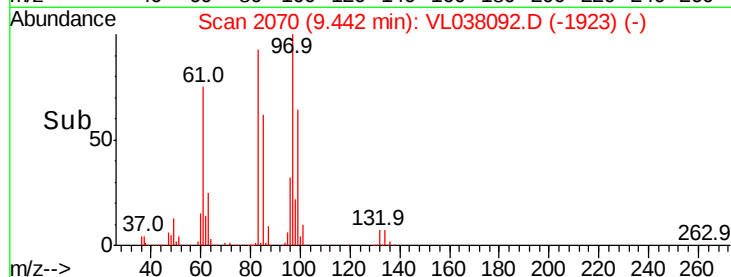


#47
 1,1,2-Trichloroethane
 Concen: 9.950 ppbv
 RT: 9.44
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 19 Nov 2021 19:25

Tot Ion:	97	Resp:	901799
Ion	Ratio	Lower	Upper
97	100		
83	92.9	66.8	100.2
85	62.2	44.9	67.3
99	63.7	48.0	72.0

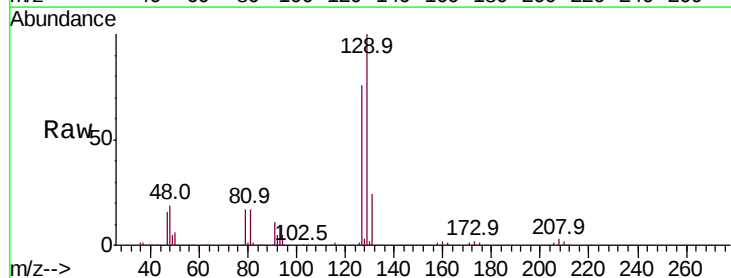


Abundance Ion 97.00 (96.70 to 97.70): VL0
 600000 Ion 83.00 (82.70 to 83.70): VL0
 500000 Ion 85.00 (84.70 to 85.70): VL0
 400000 Ion 99.00 (98.70 to 99.70): VL0

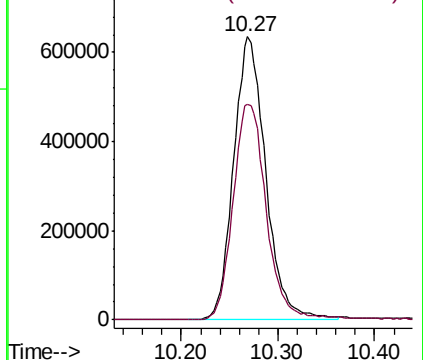
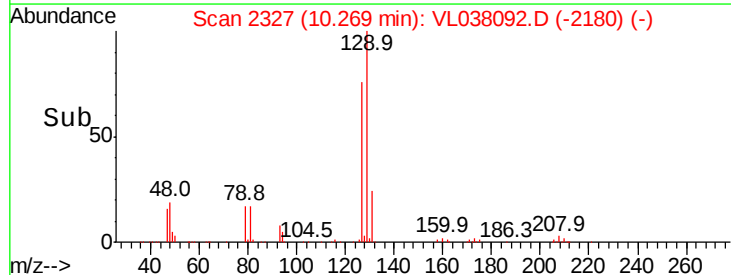


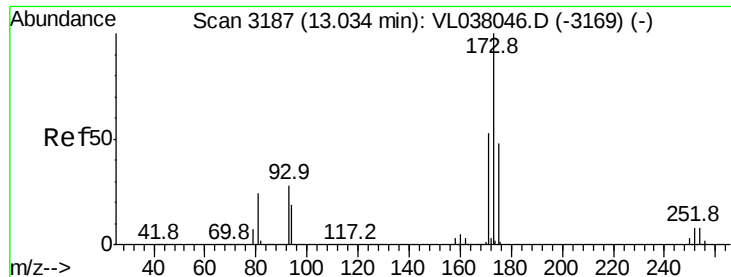
#48
 Dibromochloromethane
 Concen: 10.618 ppbv
 RT: 10.27 min Scan# 2327
 Delta R.T. -0.03 min
 Lab File: VL038092.D
 Acq: 19 Nov 2021 19:25

Tgt Ion:	129	Resp:	1465552
Ion	Ratio	Lower	Upper
129	100		
127	80.2	39.4	118.1



Abundance Ion 129.00 (128.70 to 129.70): V
 600000 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.334 ppbv

RT: 13.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Nov 2021 19:25 VSTDCCC010EC

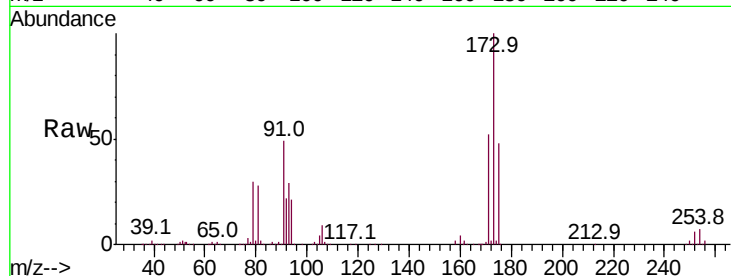
Tot Ion:173 Resp: 1020461

Ion Ratio Lower Upper

173 100

175 51.2 42.5 63.7

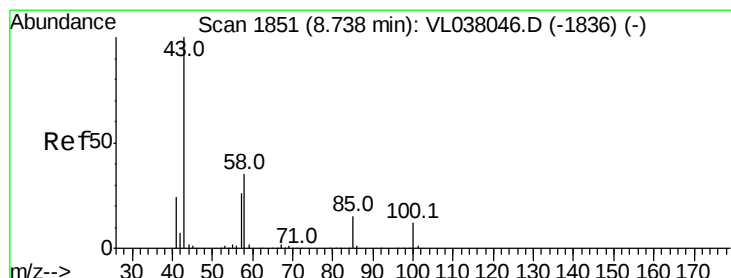
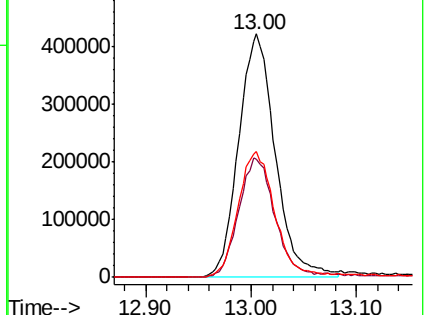
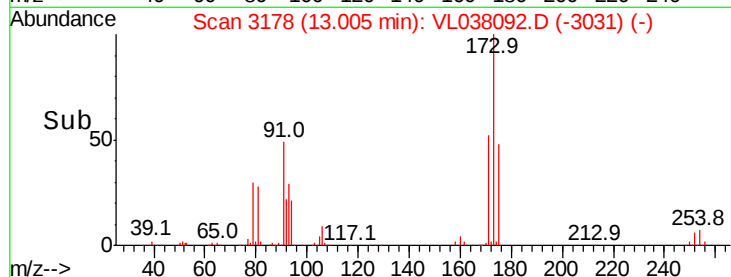
171 53.5 44.0 66.0



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: 11.341 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. -0.03 min

Lab File: VL038092.D

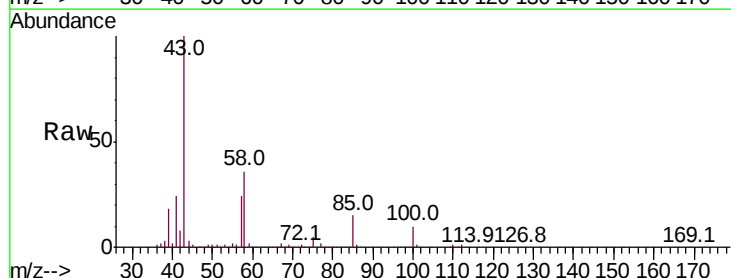
Acq: 19 Nov 2021 19:25

Tgt Ion: 43 Resp: 1570746

Ion Ratio Lower Upper

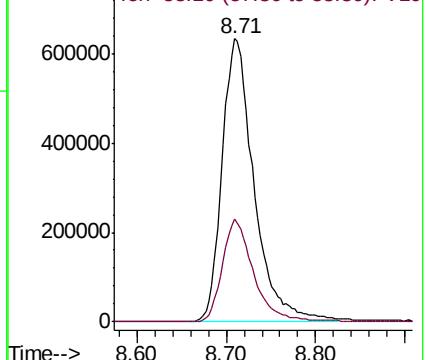
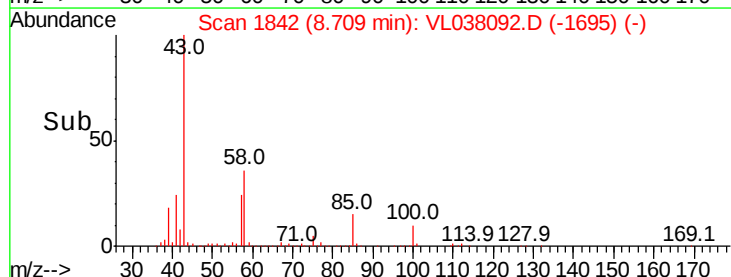
43 100

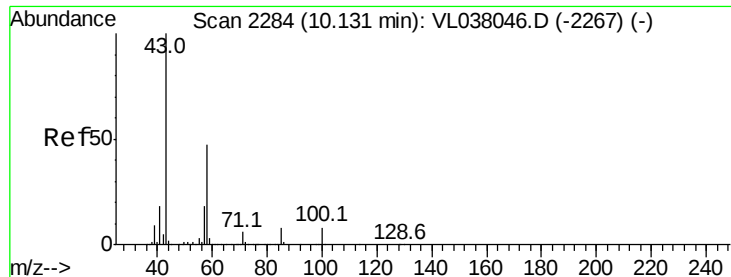
58 35.7 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.361 ppbv

RT: 10.10

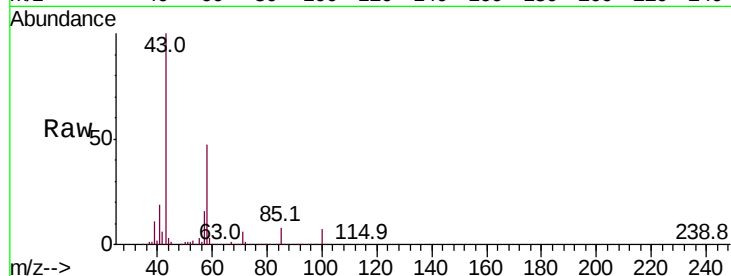
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion: 43 Resp: 740250

Ion	Ratio	Lower	Upper
43	100		
58	50.6	41.1	61.7
98	0.3	0.1	0.1#

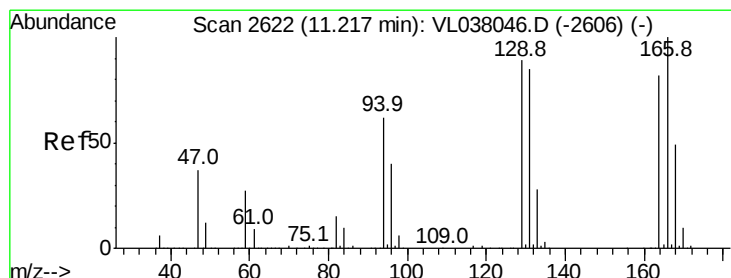
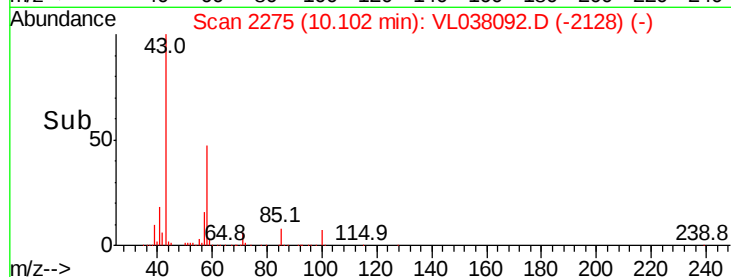
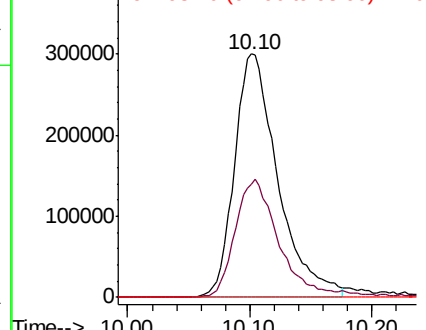


Abundance

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: 8.852 ppbv

RT: 11.19 min Scan# 2613

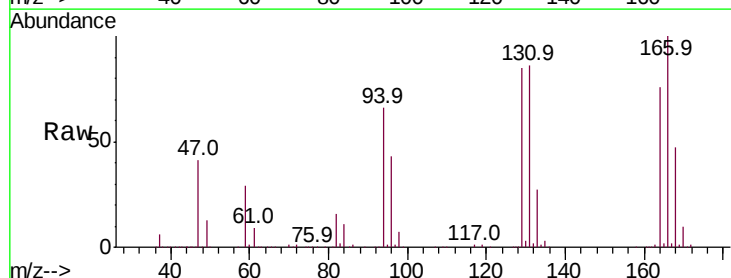
Delta R.T. -0.03 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

Tgt Ion: 164 Resp: 738974

Ion	Ratio	Lower	Upper
164	100		
166	132.3	97.2	145.8
129	112.8	86.9	130.3
131	113.5	82.8	124.2



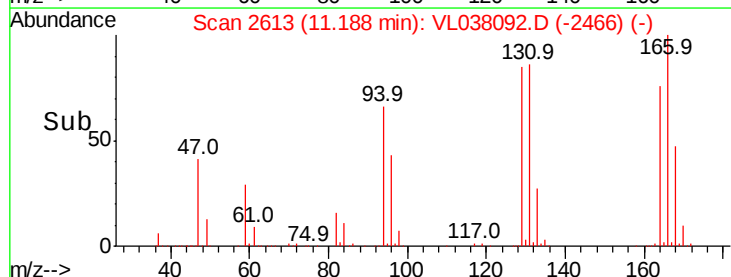
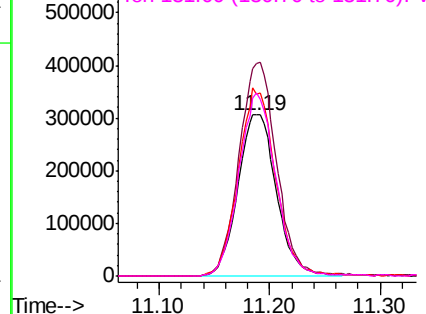
Abundance

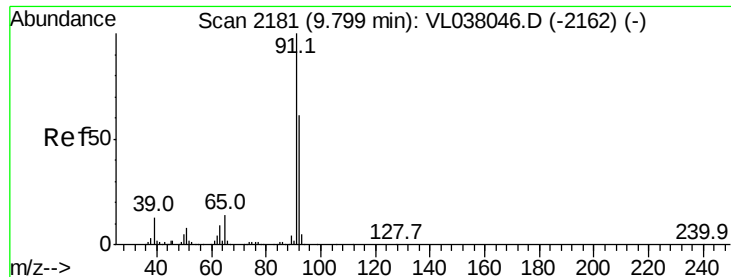
Ion 163.90 (163.60 to 164.60): V

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: 9.905 ppbv

RT: 9.77 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

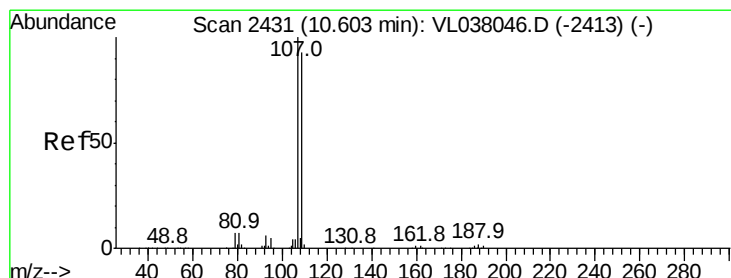
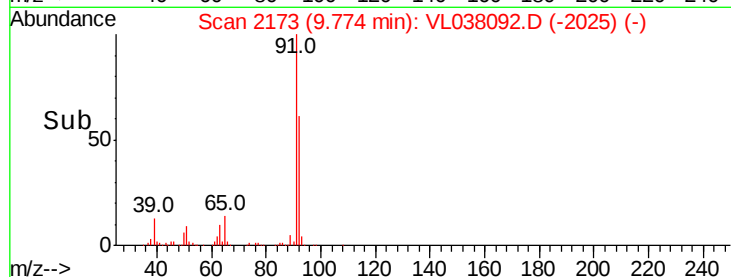
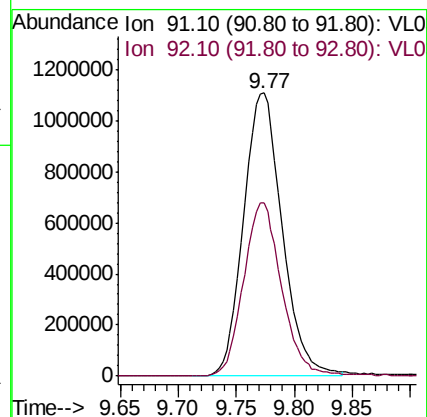
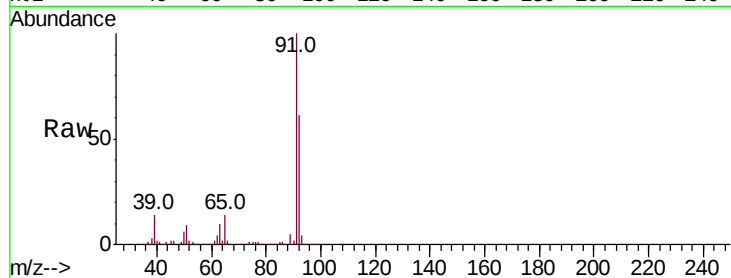
Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion: 91 Resp: 2571171

Ion Ratio Lower Upper

91 100

92 61.0 49.7 74.5



#54

1,2-Dibromoethane

Concen: 10.131 ppbv

RT: 10.57 min Scan# 2422

Delta R.T. -0.03 min

Lab File: VL038092.D

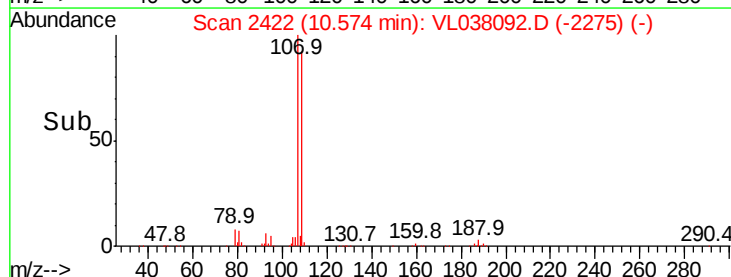
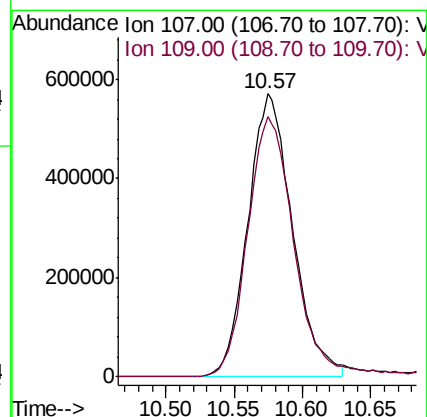
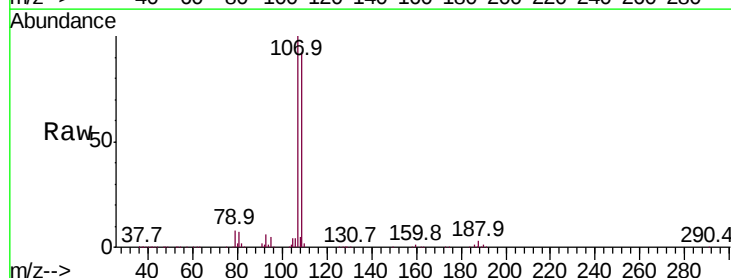
Acq: 19 Nov 2021 19:25

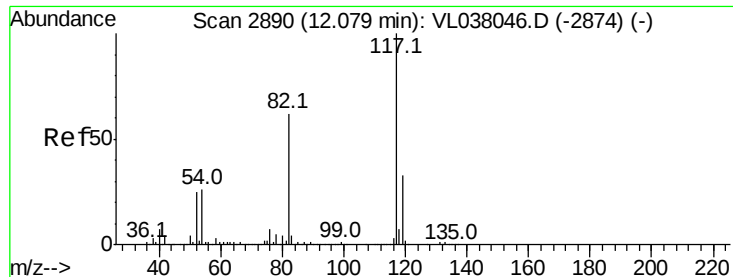
Tgt Ion: 107 Resp: 1296988

Ion Ratio Lower Upper

107 100

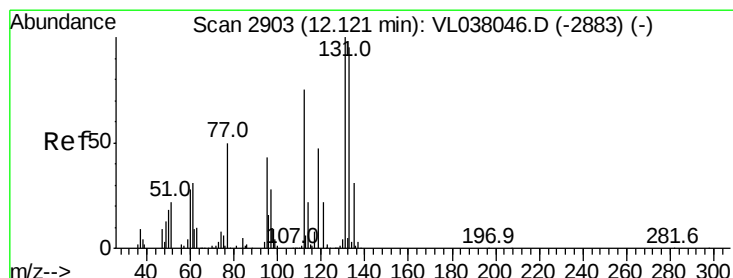
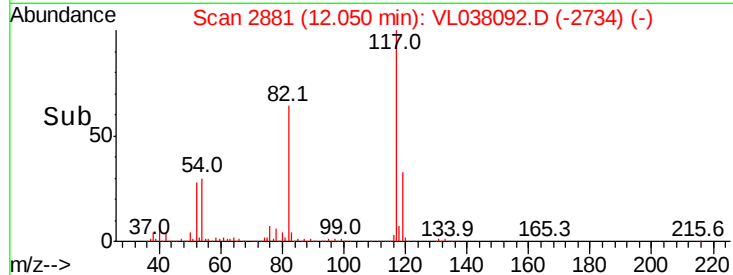
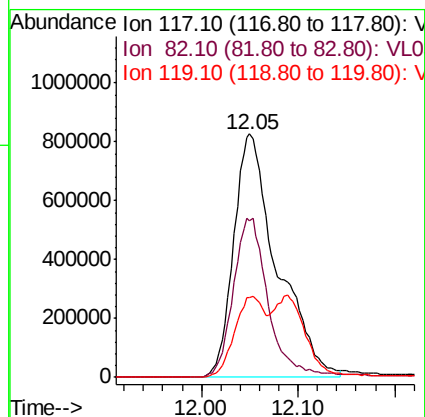
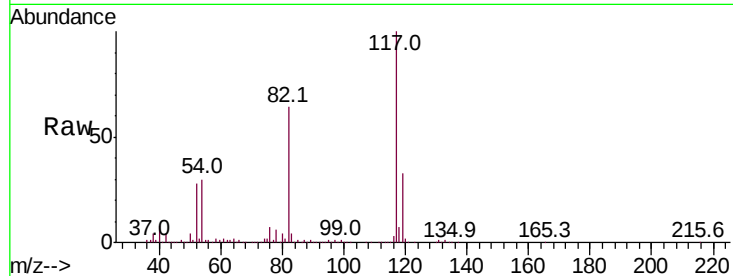
109 91.9 74.6 111.8





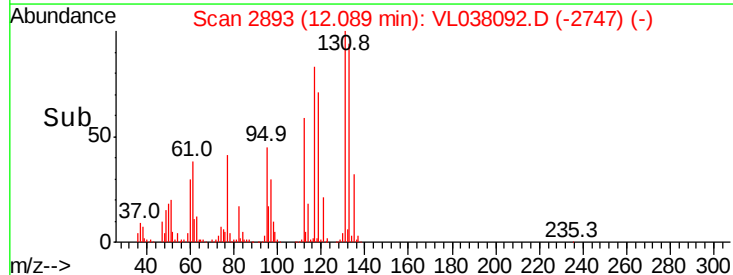
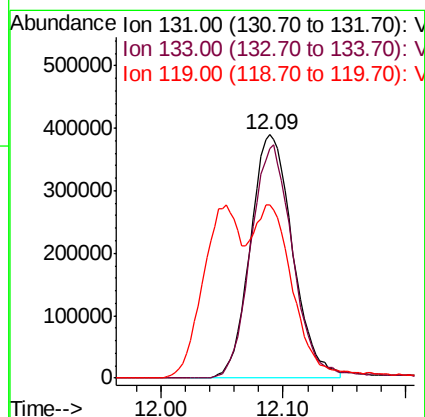
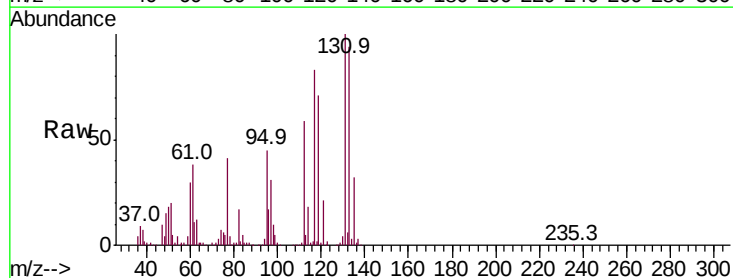
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min
Instrument: MSVOA_1
Delta R.T.:
ClientSampleId:
Lab File: VSTDCCC010EC
Acq: 19 Nov 2021 19:25

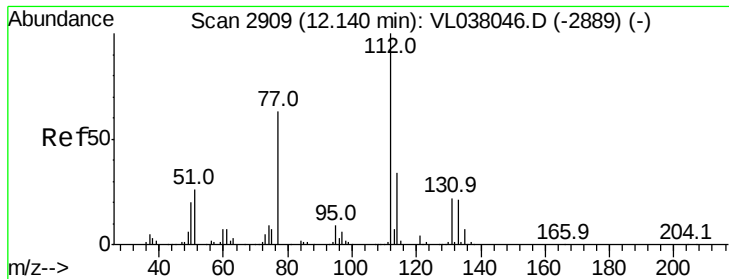
Tot Ion:117 Resp: 2589061
Ion Ratio Lower Upper
117 100
82 54.0 52.8 79.2
119 23.6 26.8 40.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.933 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.03 min
Lab File: VL038092.D
Acq: 19 Nov 2021 19:25

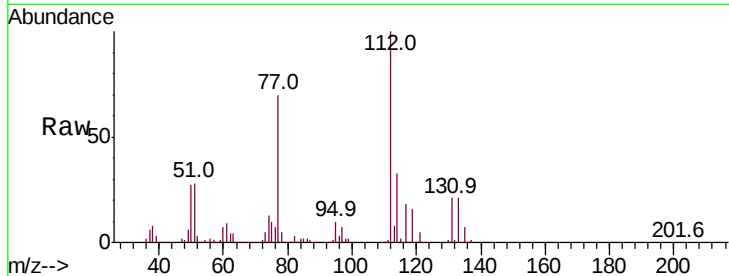
Tgt Ion:131 Resp: 932358
Ion Ratio Lower Upper
131 100
133 97.1 78.8 118.2
119 75.6 56.3 84.5



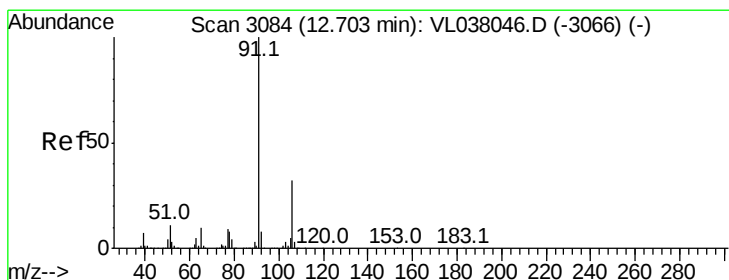
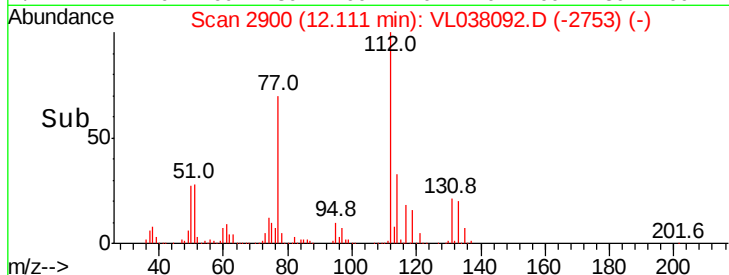
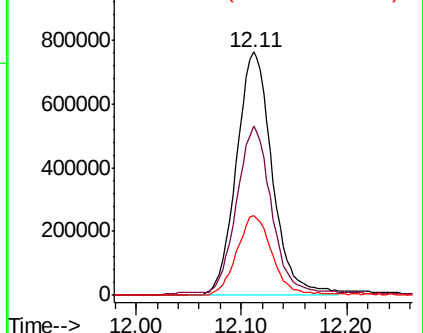


#57
Chlorobenzene
Concen: 7.769 ppbv
RT: 12.11 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 19 Nov 2021 19:25

Tot Ion: 112 Resp: 1802738
Ion Ratio Lower Upper
112 100
77 68.6 50.3 75.5
114 32.6 30.7 37.5

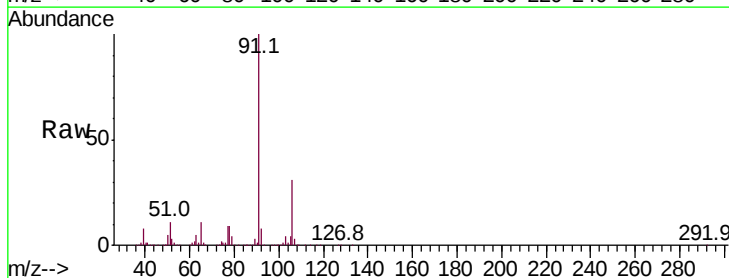


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

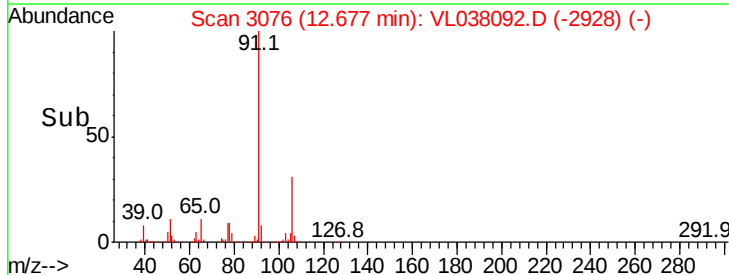
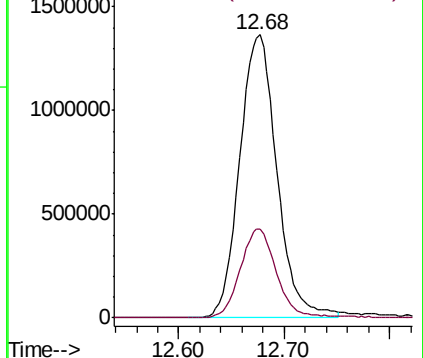


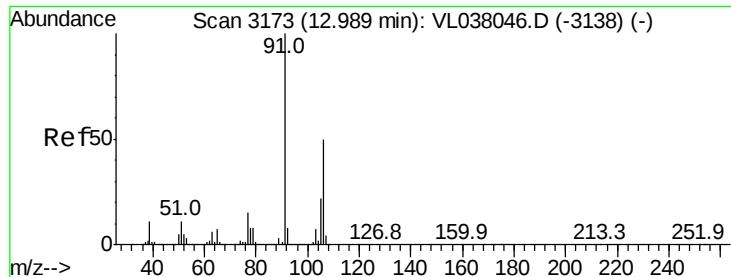
#58
Ethyl Benzene
Concen: 7.826 ppbv
RT: 12.68 min Scan# 3076
Delta R.T. -0.03 min
Lab File: VL038092.D
Acq: 19 Nov 2021 19:25

Tgt Ion: 91 Resp: 3348768
Ion Ratio Lower Upper
91 100
106 31.2 25.8 38.6



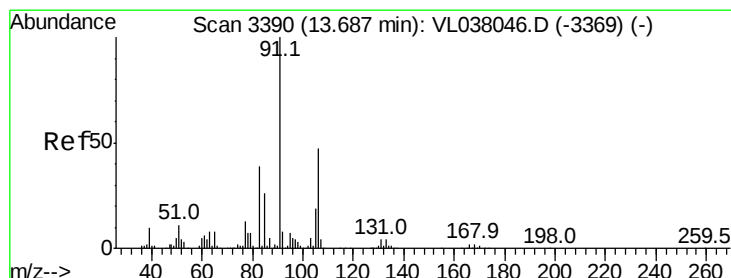
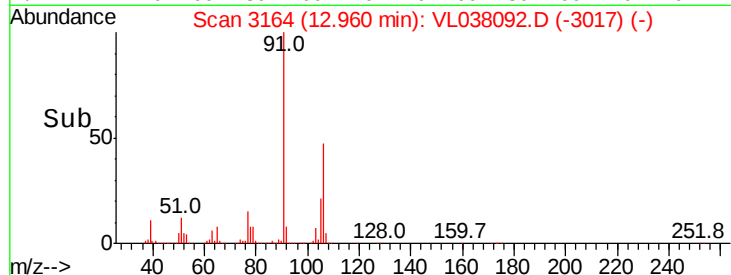
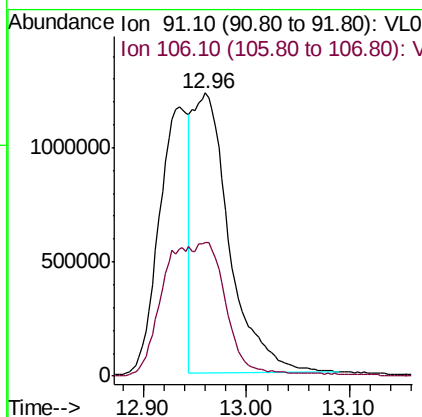
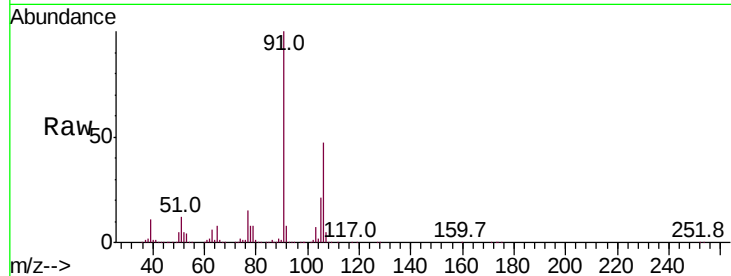
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





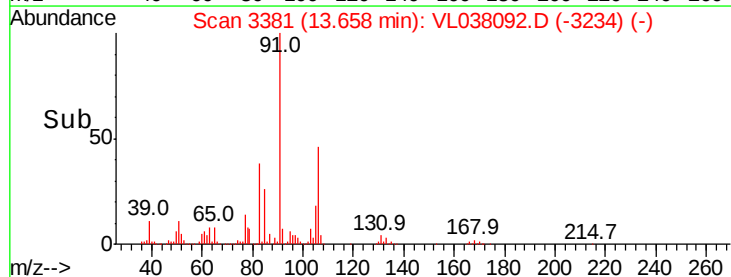
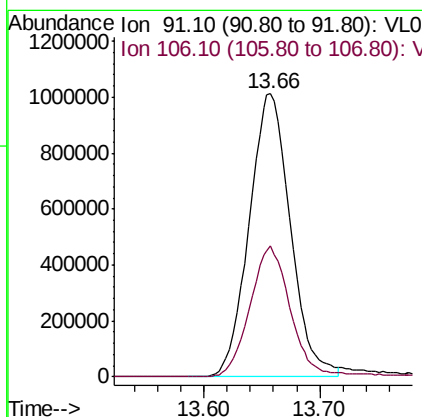
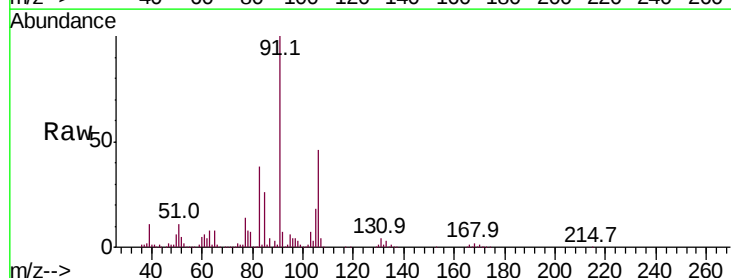
#59
m/p-Xylene
Concen: 8.420 ppbv
RT: 12.96 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VSTDCCC010EC
Acq: 19 Nov 2021 19:25

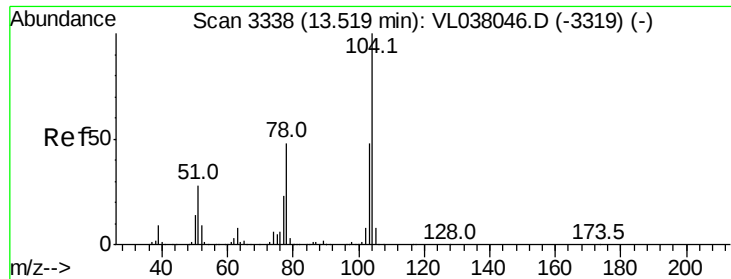
Tot Ion: 91 Resp: 3033274
Ion Ratio Lower Upper
91 100
106 82.2 38.1 57.1#



#60
o-Xylene
Concen: 7.481 ppbv
RT: 13.66 min Scan# 3381
Delta R.T. -0.03 min
Lab File: VL038092.D
Acq: 19 Nov 2021 19:25

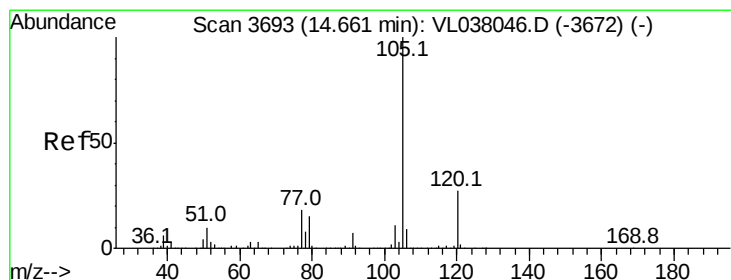
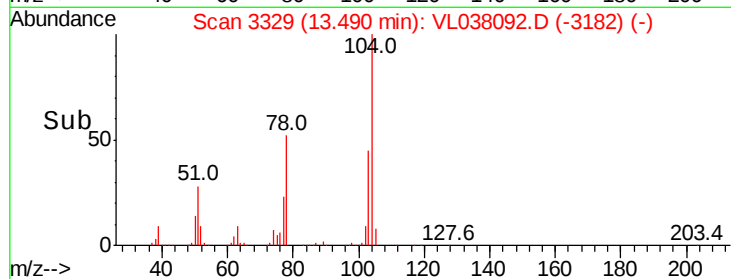
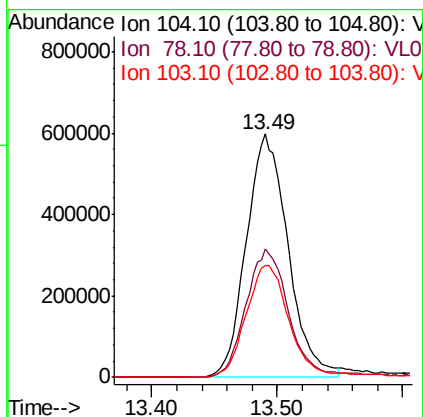
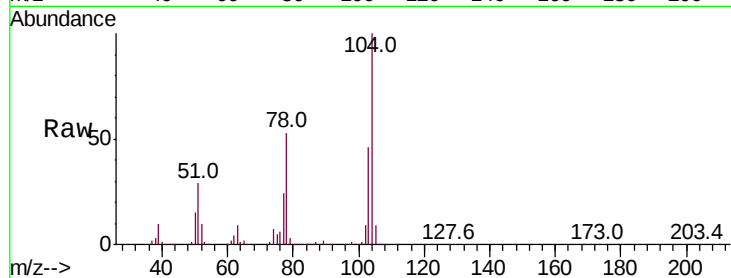
Tgt Ion: 91 Resp: 2500018
Ion Ratio Lower Upper
91 100
106 46.5 24.2 72.6





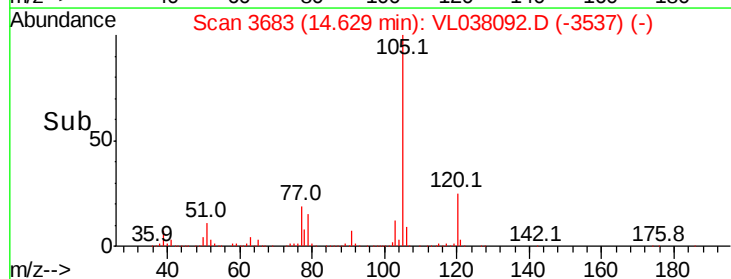
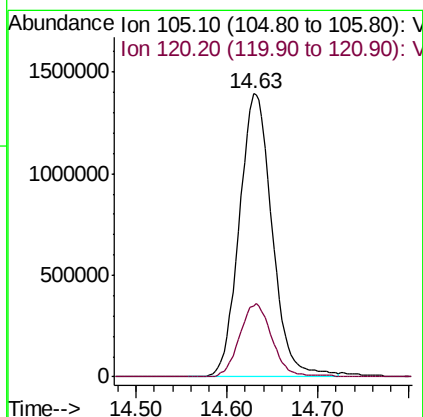
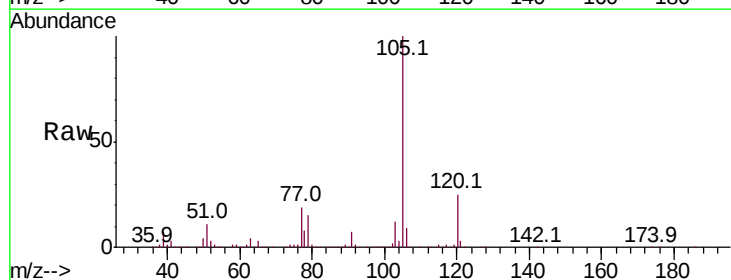
#61
Stvrene
Concen: 7.727 ppbv
RT: 13.49 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 19 Nov 2021 19:25

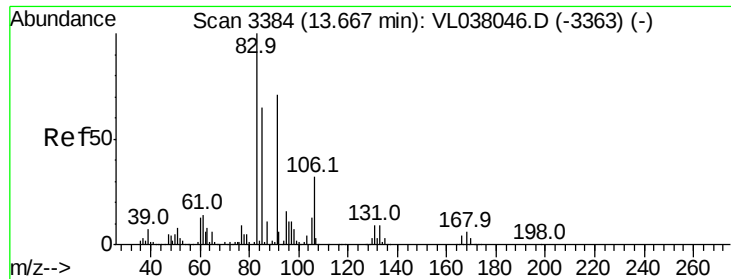
Tot Ion:104 Resp: 1384342
Ion Ratio Lower Upper
104 100
78 55.1 39.8 59.6
103 48.4 38.2 57.2



#62
Isopropylbenzene
Concen: 7.377 ppbv
RT: 14.63 min Scan# 3683
Delta R.T. -0.03 min
Lab File: VL038092.D
Acq: 19 Nov 2021 19:25

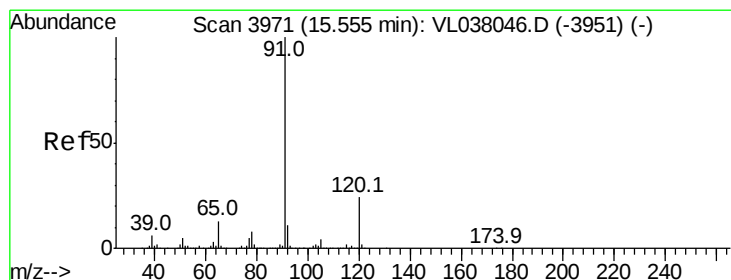
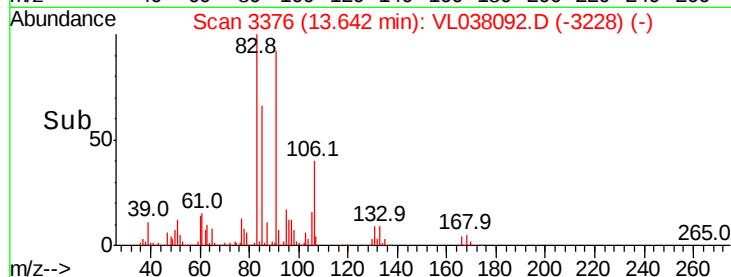
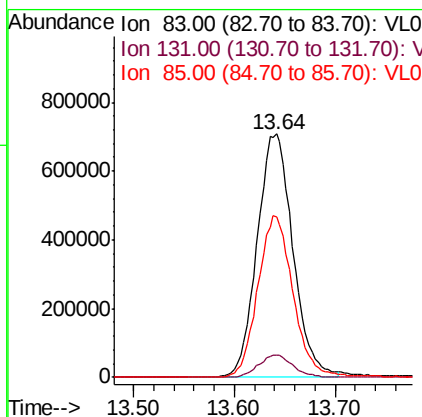
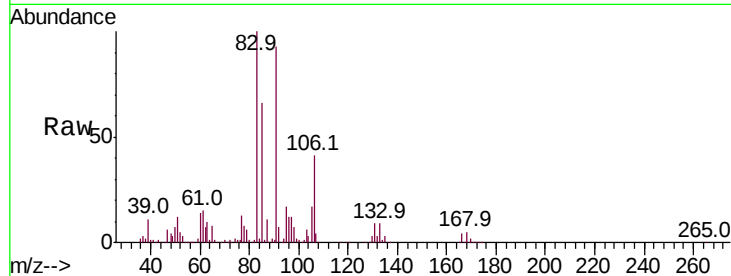
Tgt Ion:105 Resp: 3499041
Ion Ratio Lower Upper
105 100
120 25.9 21.8 32.6





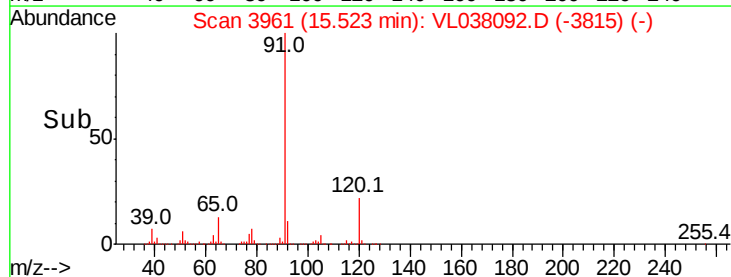
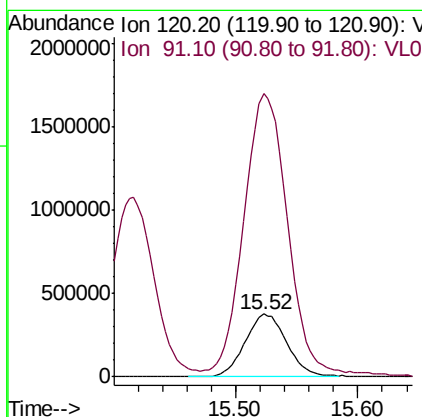
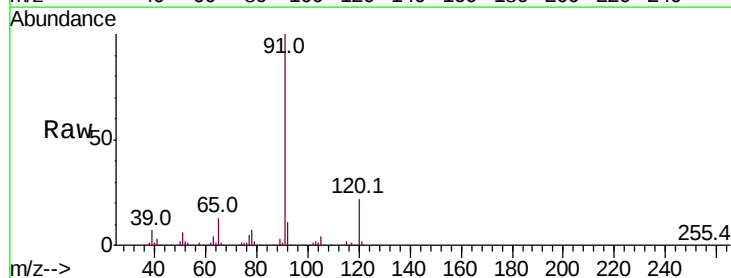
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.030 ppbv
 RT: 13.64
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 19 Nov 2021 19:25

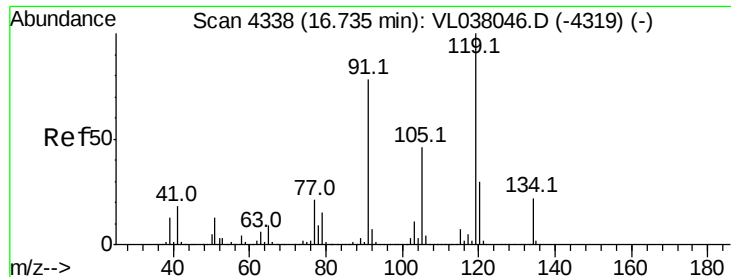
Tot Ion: 83 Resp: 1745066
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.9 14.7
 85 66.2 33.4 100.1



#64
 n-propylbenzene
 Concen: 7.364 ppbv
 RT: 15.52 min Scan# 3961
 Delta R.T. -0.03 min
 Lab File: VL038092.D
 Acq: 19 Nov 2021 19:25

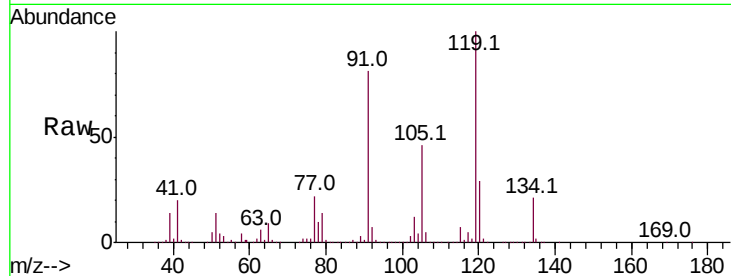
Tgt Ion:120 Resp: 889810
 Ion Ratio Lower Upper
 120 100
 91 480.1 371.7 557.5



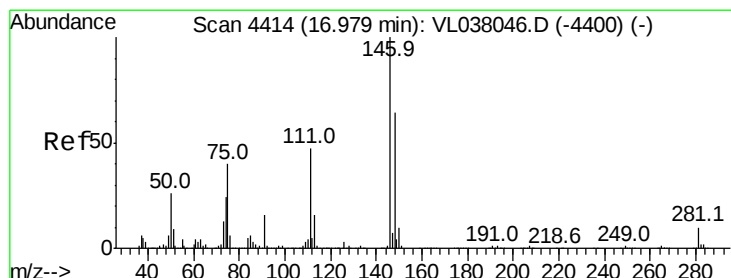
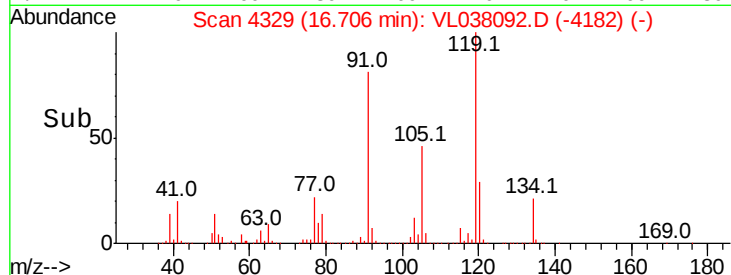
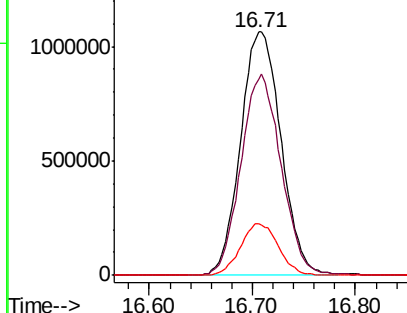


#65
 tert-Butylbenzene
 Concen: 6.937 ppbv
 RT: 16.71 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 19 Nov 2021 19:25

Tot Ion: 119 Resp: 2899044
 Ion Ratio Lower Upper
 119 100
 91 82.3 63.2 94.8
 134 19.9 16.1 24.1

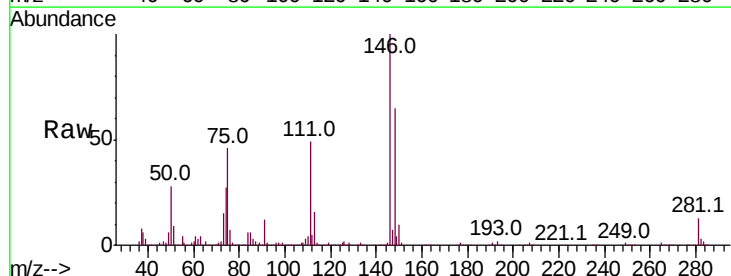


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

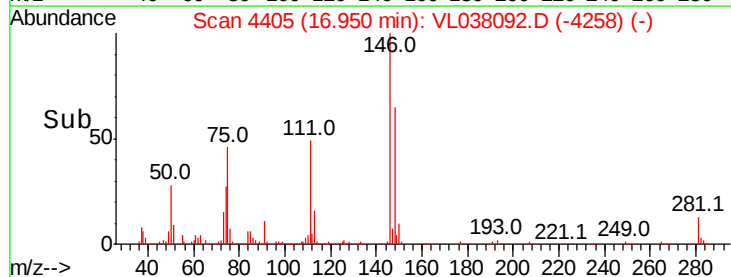
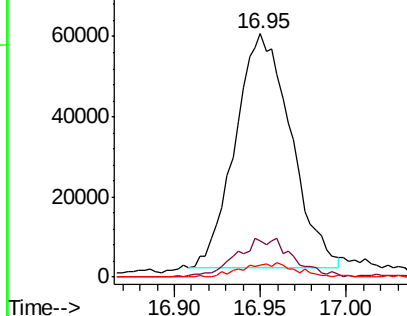


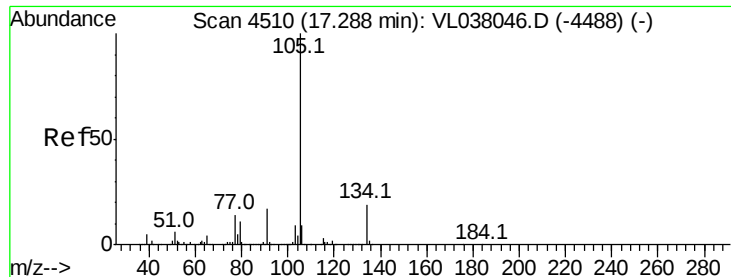
#66
 Benzyl Chloride
 Concen: 6.173 ppbv
 RT: 16.95 min Scan# 4405
 Delta R.T.: -0.03 min
 Lab File: VL038092.D
 Acq: 19 Nov 2021 19:25

Tgt Ion: 91 Resp: 130748
 Ion Ratio Lower Upper
 91 100
 126 16.8 15.5 23.3
 128 6.2 5.6 8.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 126.10 (125.80 to 126.80): V
 Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.072 ppbv

RT: 17.26

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

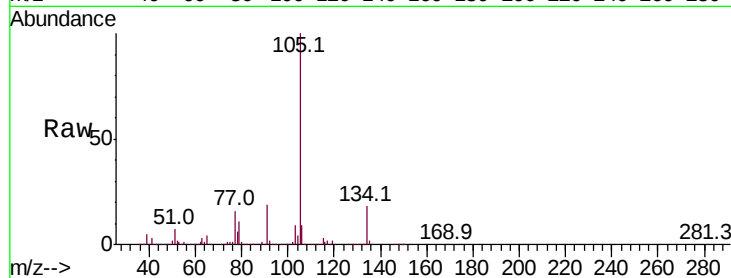
Acq: 19 Nov 2021 19:25

Tot Ion: 105 Resp: 4117862

Ion Ratio Lower Upper

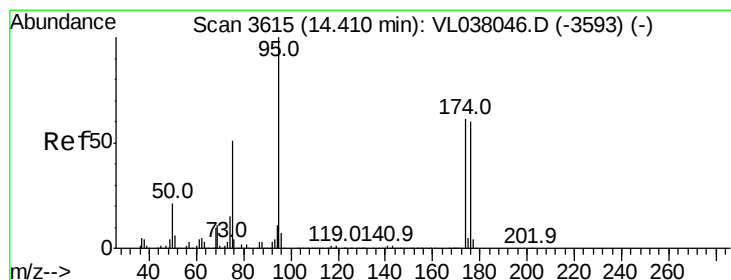
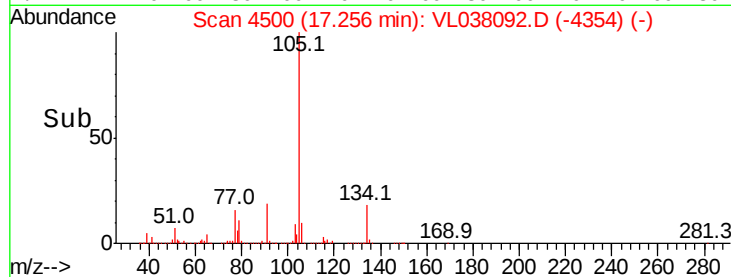
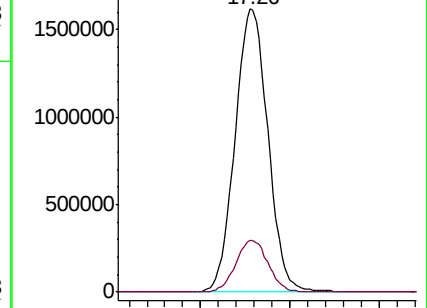
105 100

134 18.3 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: 8.350 ppbv

RT: 14.38 min Scan# 3605

Delta R.T. -0.03 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

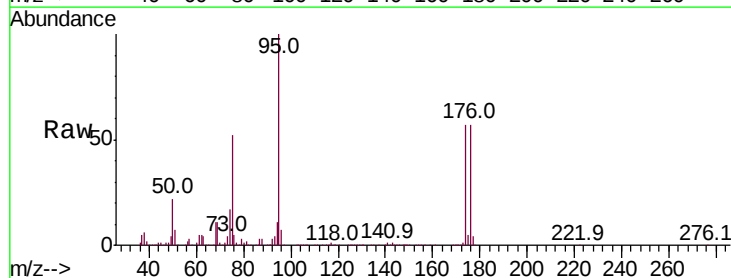
Tgt Ion: 95 Resp: 1559473

Ion Ratio Lower Upper

95 100

174 62.0 53.1 79.7

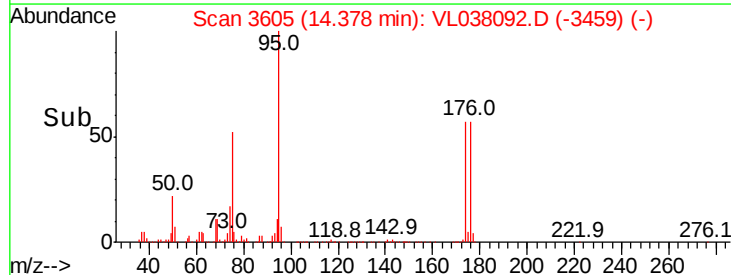
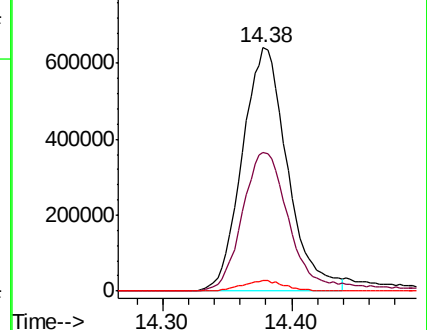
175 4.4 4.0 6.0

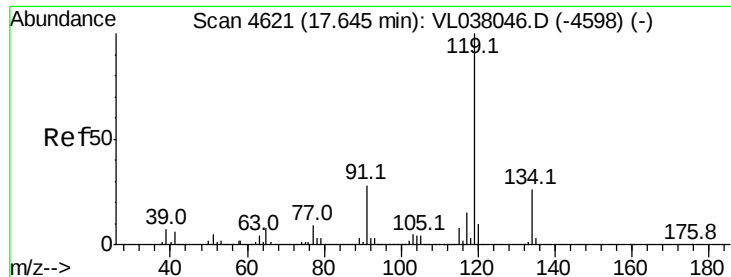


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

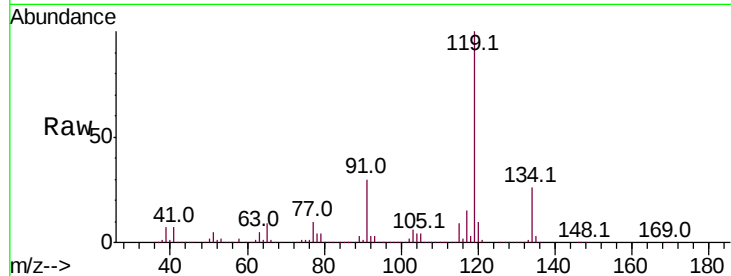
Ion 175.00 (174.70 to 175.70): V



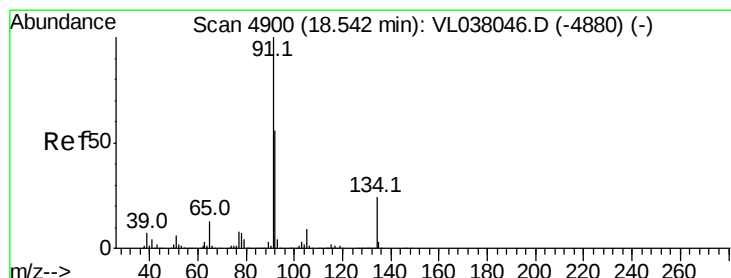
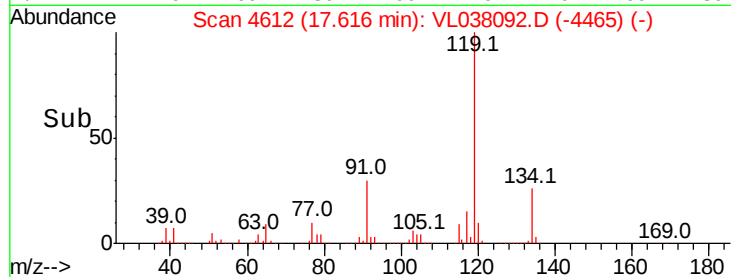
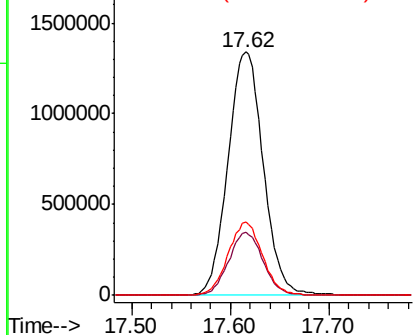


#69
 p-Isopropyltoluene
 Concen: 7.315 ppbv
 RT: 17.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 19 Nov 2021 19:25

Tot Ion:119 Resp: 3332232
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.6 30.8
 91 29.5 22.2 33.4

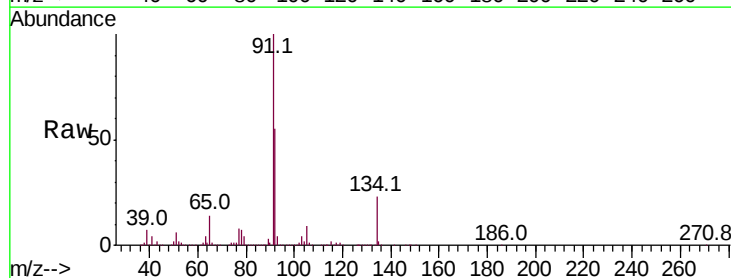


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

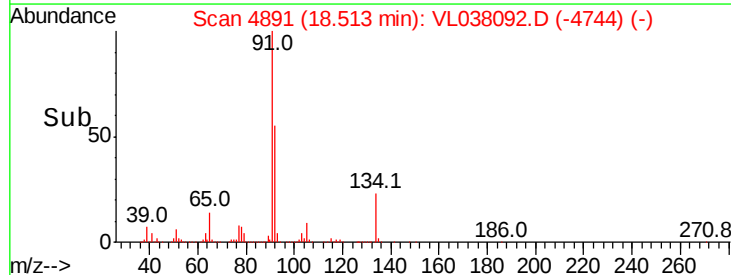
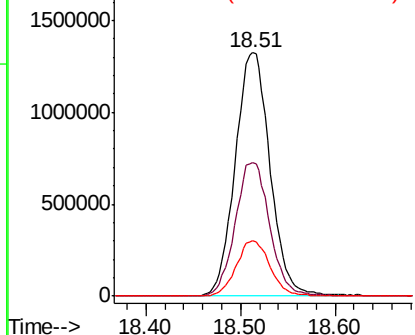


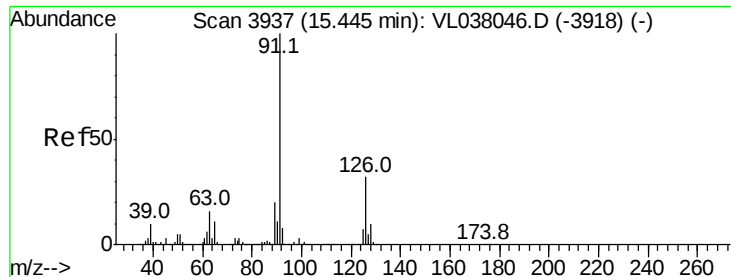
#70
 n-Butylbenzene
 Concen: 7.772 ppbv
 RT: 18.51 min Scan# 4891
 Delta R.T. -0.03 min
 Lab File: VL038092.D
 Acq: 19 Nov 2021 19:25

Tgt Ion: 91 Resp: 3384904
 Ion Ratio Lower Upper
 91 100
 92 54.7 44.1 66.1
 134 22.3 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: 7.557 ppbv

RT: 15.42

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

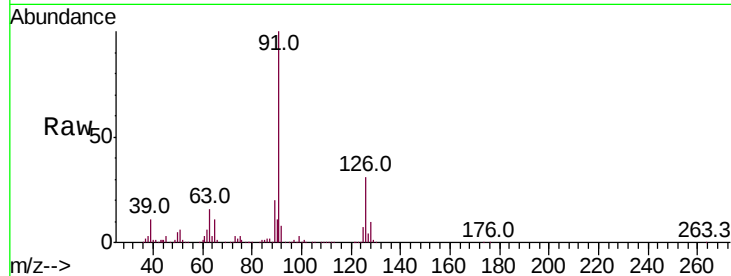
Acq: 19 Nov 2021 19:25

Tot Ion: 91 Resp: 2620948

Ion Ratio Lower Upper

91 100

126 31.2 13.1 52.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2000000

1500000

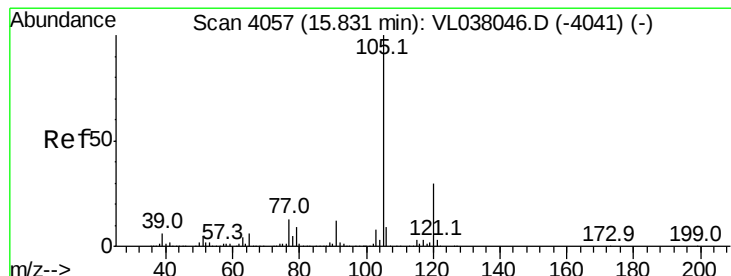
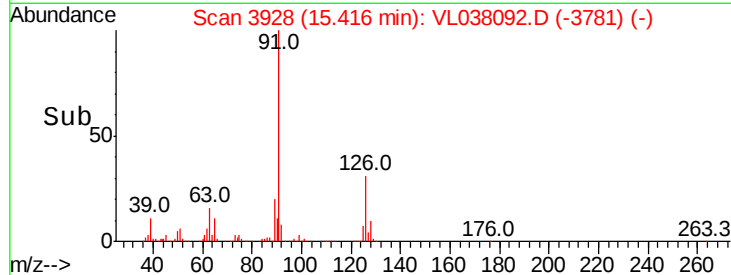
1000000

500000

0

15.30 15.40 15.50

Time-->



#72

4-Ethyltoluene

Concen: 7.652 ppbv

RT: 15.80 min Scan# 4048

Delta R.T. -0.03 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

Tgt Ion:105 Resp: 2964857

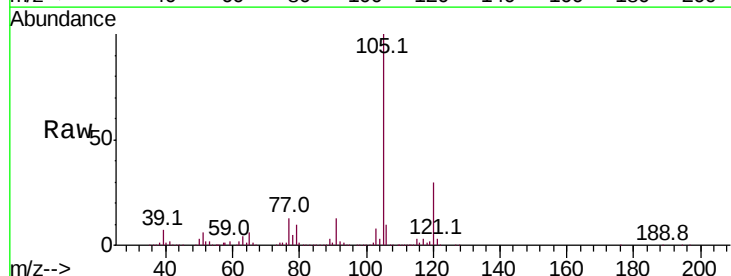
Ion Ratio Lower Upper

105 100

120 29.4 25.1 37.7

91 12.6 9.7 14.5

77 13.9 10.6 16.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

1500000

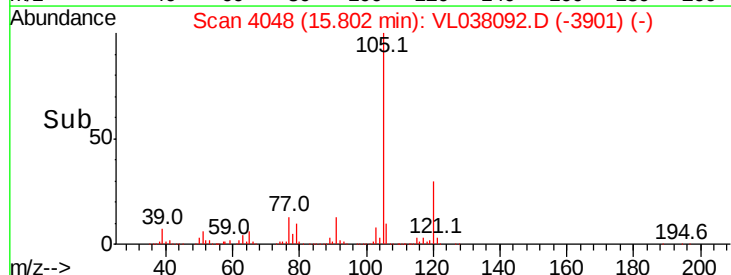
1000000

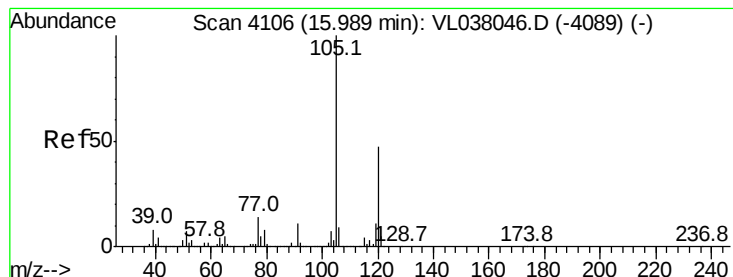
500000

0

15.70 15.80 15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 7.372 ppbv

RT: 15.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

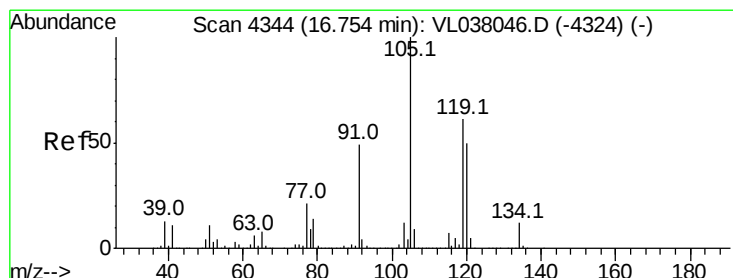
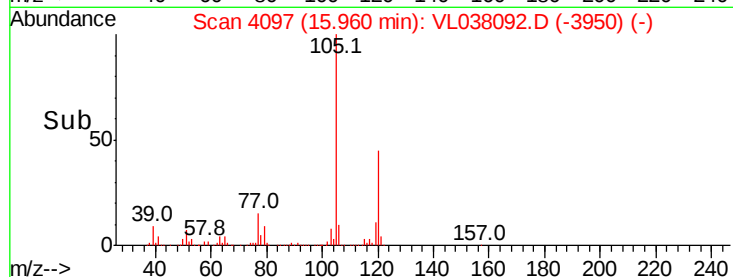
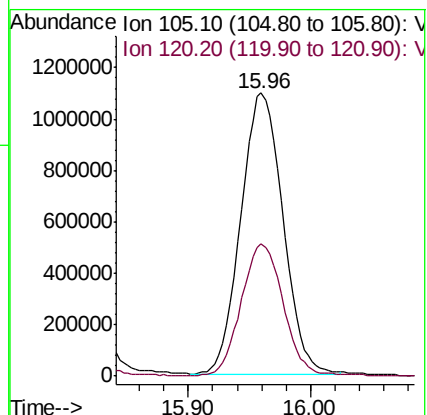
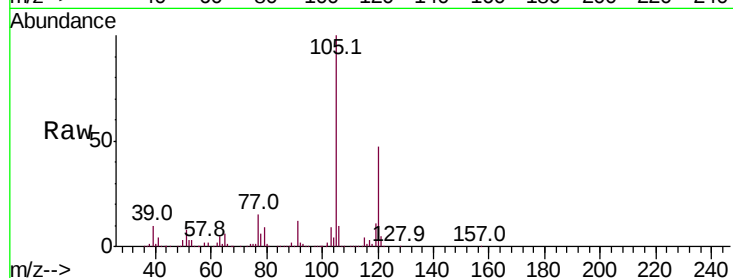
Acq: 19 Nov 2021 19:25

Tot Ion:105 Resp: 2608660

Ion Ratio Lower Upper

105 100

120 46.8 37.8 56.6



#74

1,2,4-Trimethylbenzene

Concen: 7.271 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. -0.03 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

Tgt Ion:105 Resp: 2651275

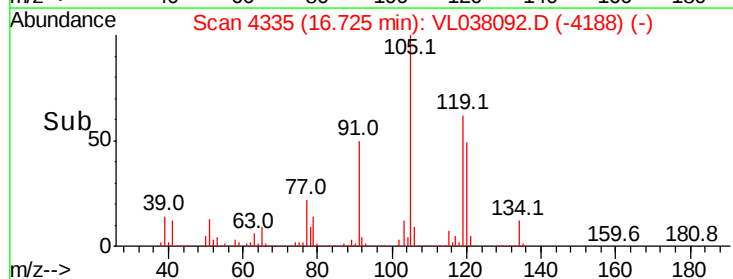
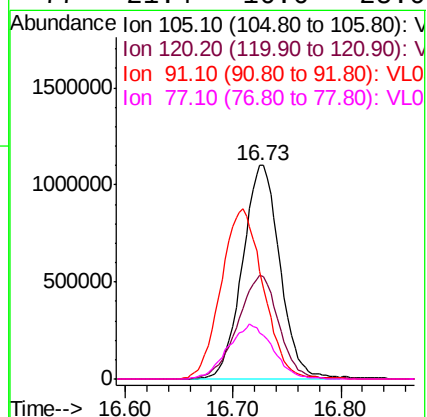
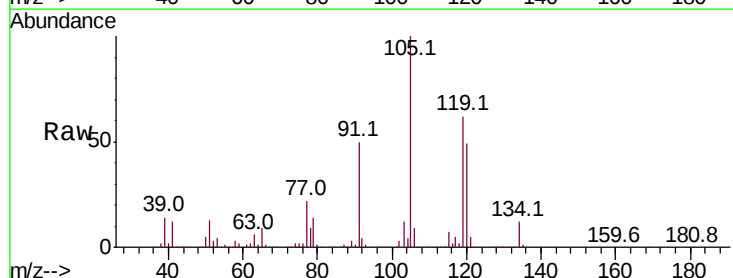
Ion Ratio Lower Upper

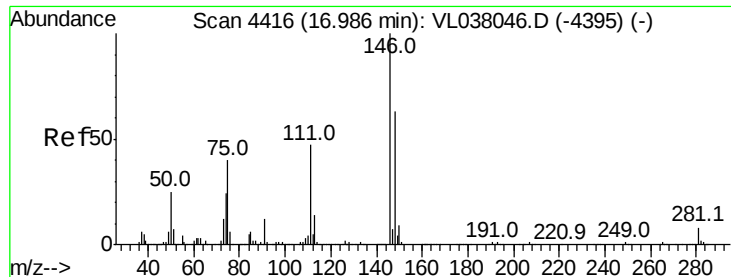
105 100

120 48.4 40.1 60.1

91 49.7 39.8 59.8

77 21.4 16.6 25.0





#75

1,3-Dichlorobenzene

Concen: 7.334 ppbv

RT: 16.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 19:25 VSTDCCC010EC

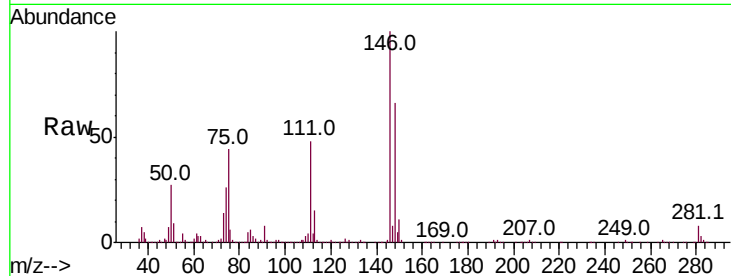
Tot Ion:146 Resp: 1468946

Ion Ratio Lower Upper

146 100

111 48.6 23.5 70.6

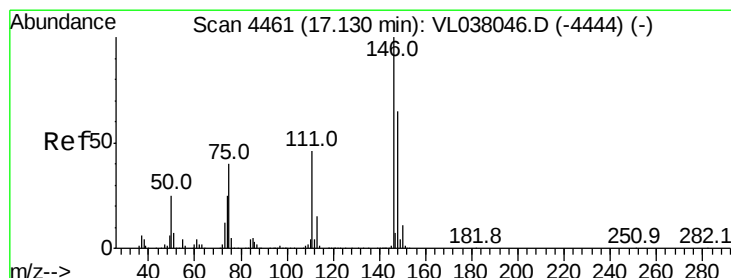
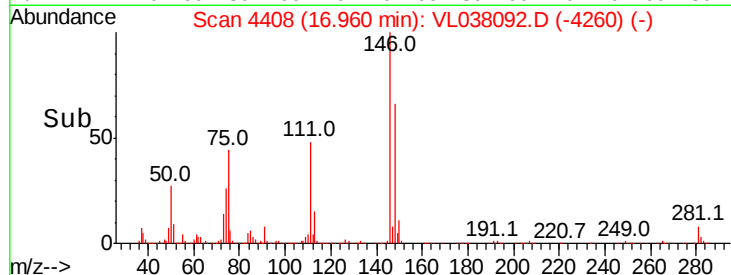
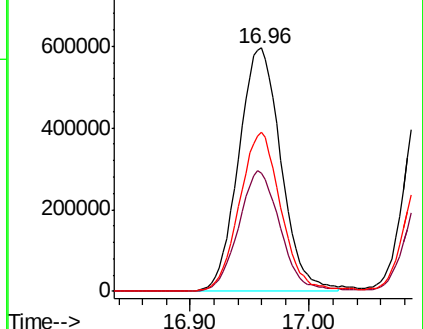
148 64.3 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.051 ppbv

RT: 17.10 min Scan# 4452

Delta R.T. -0.03 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

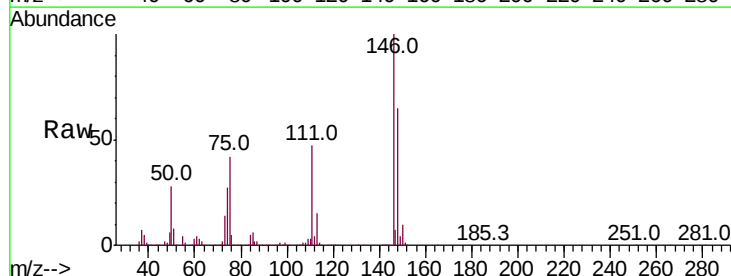
Tgt Ion:146 Resp: 1421176

Ion Ratio Lower Upper

146 100

111 49.4 23.8 71.5

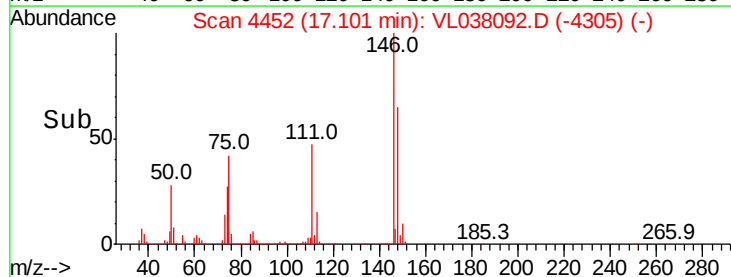
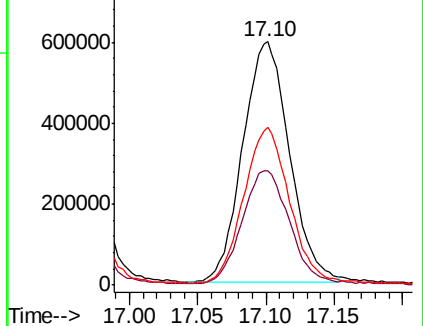
148 66.3 33.2 99.6

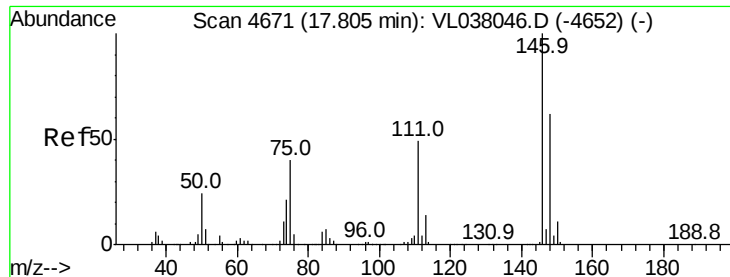


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

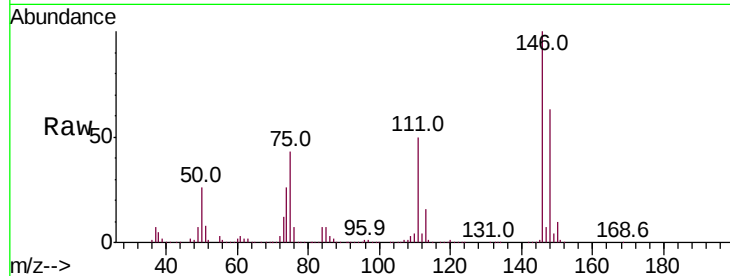
Ion 148.00 (147.70 to 148.70): V



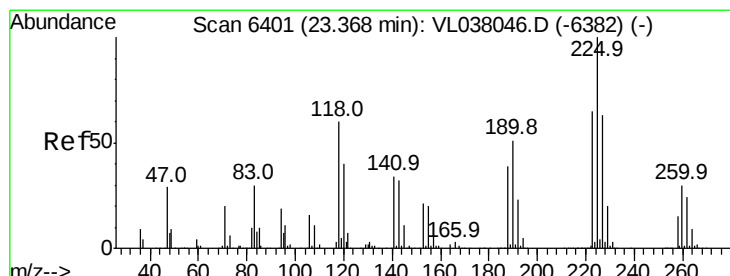
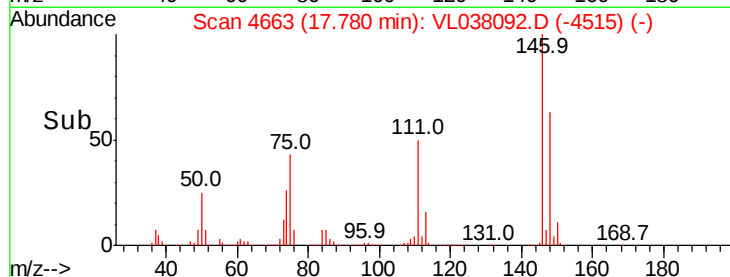
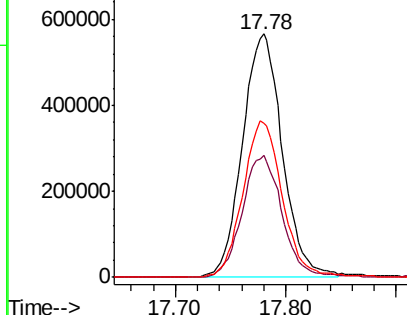


#77
 1,2-Dichlorobenzene
 Concen: 7.261 ppbv
 RT: 17.78 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 19 Nov 2021 19:25

Tot Ion:146 Resp: 1408153
 Ion Ratio Lower Upper
 146 100
 111 51.0 24.8 74.4
 148 64.2 32.3 96.9

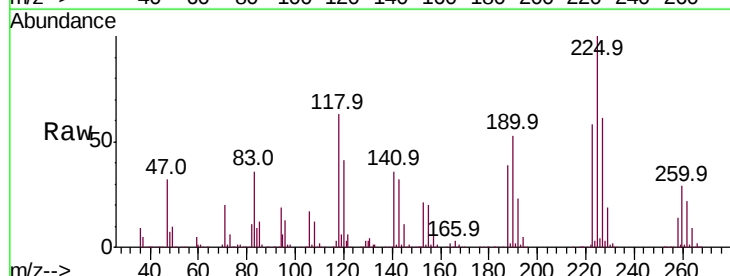


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

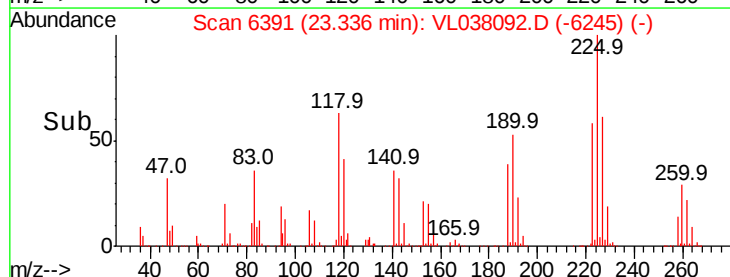
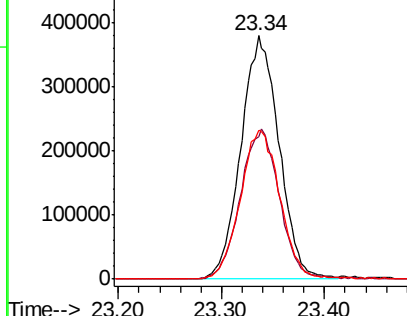


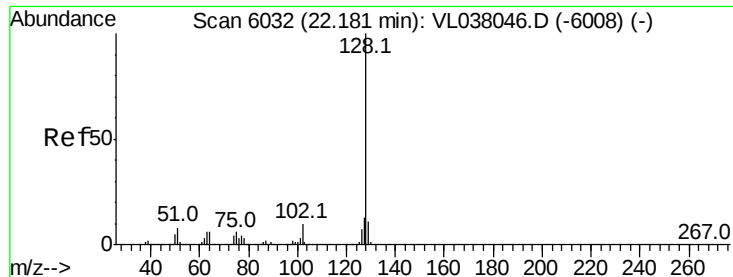
#78
 Hexachloro-1,3-Butadiene
 Concen: 8.057 ppbv
 RT: 23.34 min Scan# 6391
 Delta R.T. -0.03 min
 Lab File: VL038092.D
 Acq: 19 Nov 2021 19:25

Tgt Ion:225 Resp: 975530
 Ion Ratio Lower Upper
 225 100
 223 63.1 52.3 78.5
 227 63.6 52.4 78.6



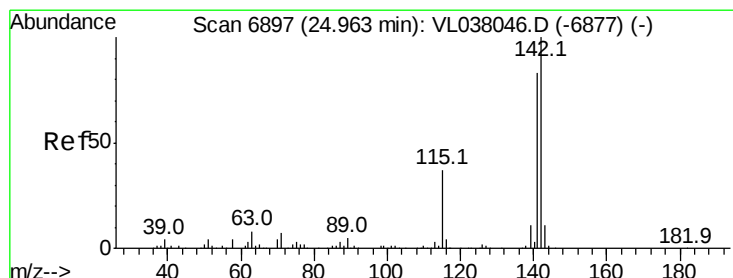
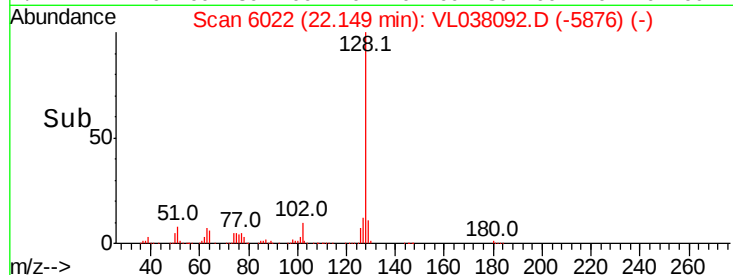
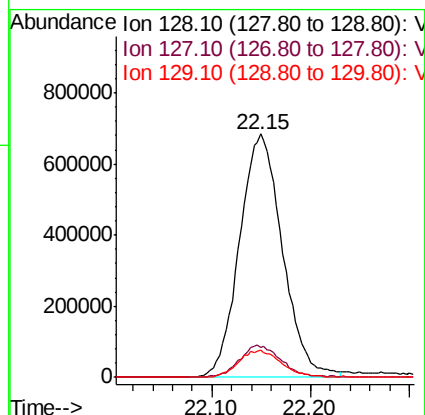
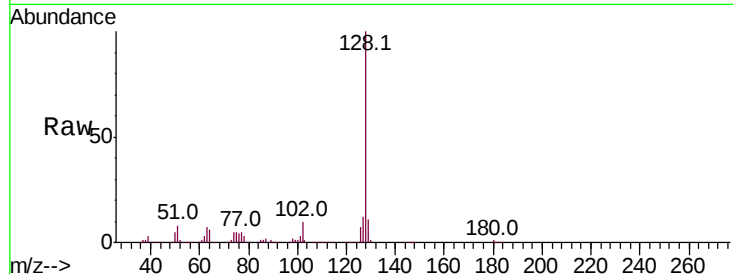
Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





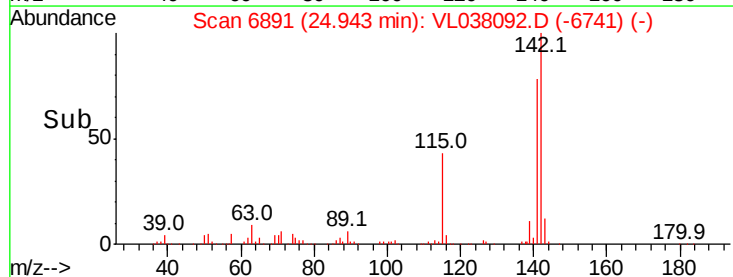
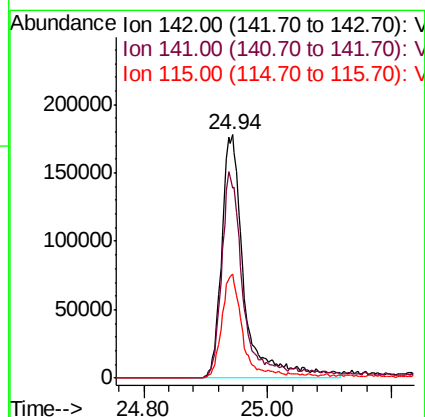
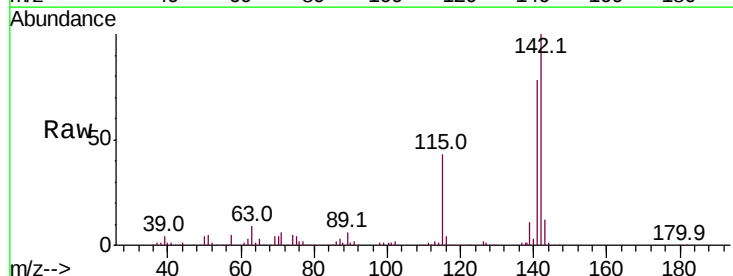
#79
Naphthalene
Concen: 10.704 ppbv
RT: 22.15
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 19 Nov 2021 19:25 VSTDCCC010EC

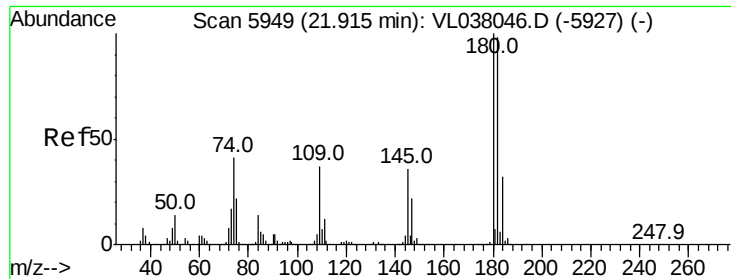
Tot Ion:128 Resp: 2055534
Ion Ratio Lower Upper
128 100
127 12.0 10.4 15.6
129 11.4 8.9 13.3



#80
Naphthalene, 2-methyl-
Concen: 11.020 ppbv
RT: 24.94 min Scan# 6891
Delta R.T. -0.02 min
Lab File: VL038092.D
Acq: 19 Nov 2021 19:25

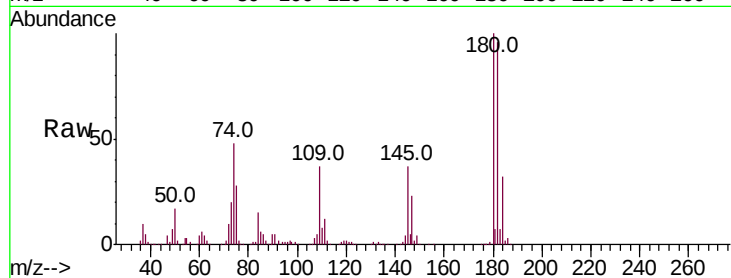
Tgt Ion:142 Resp: 453515
Ion Ratio Lower Upper
142 100
141 83.5 67.3 100.9
115 39.5 28.9 43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.508 ppbv
 RT: 21.88
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 19 Nov 2021 19:25

Tot Ion:180 Resp: 1049233
 Ion Ratio Lower Upper
 180 100
 182 97.5 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

