

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051322\
 Data File : VL039065.D
 Acq On : 14 May 2022 9:54
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: May 16 01:36:34 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	912429	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2487190	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2409213	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1709565	8.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1191344	8.333	ppbv 97
3) Chlorodifluoromethane	2.98	51	1183752	10.455	ppbv 96
4) Chloromethane	3.13	50	558618	9.852	ppbv 94
5) Vinyl Chloride	3.25	62	550114	10.625	ppbv 98
6) Bromomethane	3.47	94	259134	10.595	ppbv 95
7) Chloroethane	3.55	64	189874	10.957	ppbv 99
8) Dichlorotetrafluoroethane	3.19	85	1339627	10.339	ppbv 98
9) Propene	3.01	41	549035	11.104	ppbv 95
10) Heptane	8.10	43	1390249	11.461	ppbv 99
11) Trichlorofluoromethane	3.94	101	1224875	9.986	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	926351	10.963	ppbv 97
13) Ethanol	3.60	45	18630	5.324	ppbv # 10
14) Bromoethene	3.73	108	384077	11.023	ppbv 99
15) Acetone	3.84	43	906248	10.529	ppbv 100
16) 1,3-Butadiene	3.32	39	527118	10.660	ppbv 98
17) tert-Butyl alcohol	4.28	59	819829	12.393	ppbv 99
18) 1,1-Dichloroethene	4.28	96	400747	11.020	ppbv 96
19) Isopropyl Alcohol	3.95	45	472707	11.551	ppbv # 94
20) Methylene Chloride	4.34	84	342623	10.562	ppbv 98
21) Allyl Chloride	4.40	41	613133	10.454	ppbv 98
22) trans-1,2-Dichloroethene	4.88	96	416223	10.596	ppbv 96
23) Vinyl Acetate	5.06	43	642579	9.436	ppbv 99
24) 1,1-Dichloroethane	5.00	63	840788	10.722	ppbv 99
25) Ethyl Acetate	5.66	43	2566611	12.459	ppbv 99
26) Hexane	5.67	57	1035434	11.312	ppbv 93
27) Carbon Disulfide	4.54	76	975277	11.217	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	789554	11.337	ppbv 99
29) Chloroform	5.74	83	1576901	10.648	ppbv 100
30) Cyclohexane	7.12	84	878543	11.464	ppbv 95
31) cis-1,2-Dichloroethene	5.54	61	1003069	10.757	ppbv 89
32) 1,1,1-Trichloroethane	6.50	97	1569182	10.597	ppbv 99
34) 2-Butanone	5.23	43	1226114	9.663	ppbv 99
35) Carbon Tetrachloride	7.01	117	1582977	9.659	ppbv 99
36) Benzene	6.88	78	2172793	10.208	ppbv 98
37) 1,2-Dichloroethane	6.29	62	1184693	8.996	ppbv # 97
38) Trichloroethene	7.82	130	835263	8.827	ppbv 96
39) 1,2-Dichloropropane	7.60	63	835850	10.092	ppbv 99
40) 1,4-Dioxane	7.82	88	223724	7.521	ppbv # 1
41) Tetrahydrofuran	6.03	42	877903	10.294	ppbv 99
42) Bromodichloromethane	7.78	83	1712507	9.511	ppbv 98
43) Methyl Methacrylate	8.00	69	921892	10.669	ppbv 98

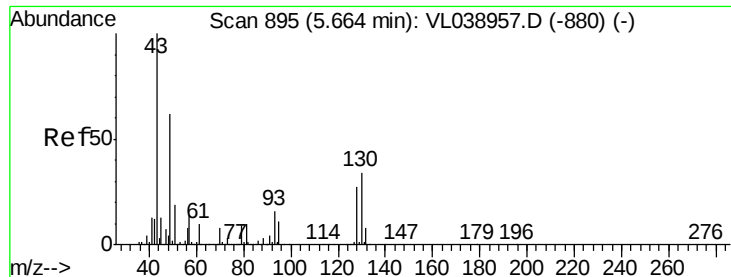
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051322\
 Data File : VL039065.D
 Acq On : 14 May 2022 9:54
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: May 16 01:36:34 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3628228	9.714	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	695978	8.321	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	967102	8.719	ppbv	95
47) 1,1,2-Trichloroethane	9.46	97	881543	10.234	ppbv	99
48) Dibromochloromethane	10.29	129	1431664	10.212	ppbv	100
49) Bromoform	13.02	173	1128016	10.550	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2182613	9.809	ppbv	98
51) 2-Hexanone	10.11	43	1615072	9.945	ppbv #	97
52) Tetrachloroethene	11.20	164	755804	9.937	ppbv	98
53) Toluene	9.79	91	2527571	10.595	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1261454	10.757	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1082364	10.239	ppbv #	92
57) Chlorobenzene	12.13	112	1772742	9.816	ppbv	96
58) Ethyl Benzene	12.69	91	3409106	9.833	ppbv	98
59) m/p-Xylene	12.98	91	2889354	9.762	ppbv #	33
60) o-Xylene	13.67	91	2650046	9.512	ppbv	99
61) Styrene	13.51	104	1542899	10.374	ppbv	95
62) Isopropylbenzene	14.65	105	3980551	9.771	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	1787142	10.895	ppbv	99
64) n-propylbenzene	15.54	120	1021802	10.374	ppbv	100
65) tert-Butylbenzene	16.73	119	3457349	9.686	ppbv	96
66) Benzyl Chloride	16.97	91	215644	4.622	ppbv	100
67) sec-Butylbenzene	17.28	105	5042695	9.888	ppbv	100
69) p-Isopropyltoluene	17.63	119	4115365	9.989	ppbv	98
70) n-Butylbenzene	18.53	91	4346127	9.929	ppbv	99
71) 2-Chlorotoluene	15.43	91	3046948	9.702	ppbv	98
72) 4-Ethyltoluene	15.82	105	3264268	10.283	ppbv	97
73) 1,3,5-Trimethylbenzene	15.98	105	2863195	10.018	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	3040837	9.718	ppbv	99
75) 1,3-Dichlorobenzene	16.98	146	1720331	10.034	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	1634332	9.690	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	1690324	9.968	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1264869	8.116	ppbv	99
79) Naphthalene	22.17	128	2450101	9.639	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	585688	7.617	ppbv	97
81) 1,2,4-Trichlorobenzene	21.90	180	1319866	8.861	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 14 May 2022 9:54

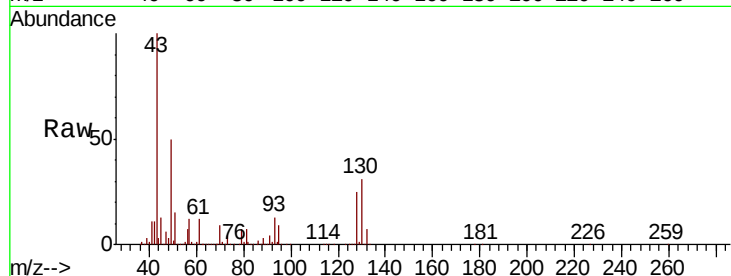
Tot Ion: 49 Resp: 912429

Ion Ratio Lower Upper

49 100

128 48.8 23.3 69.8

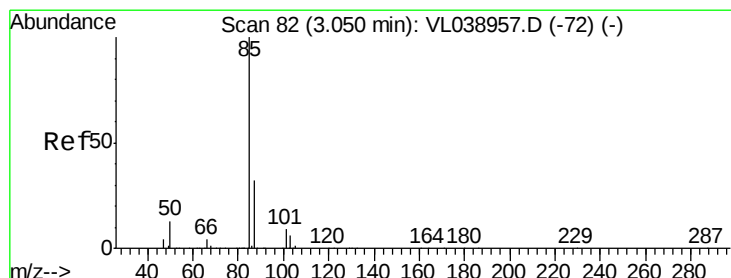
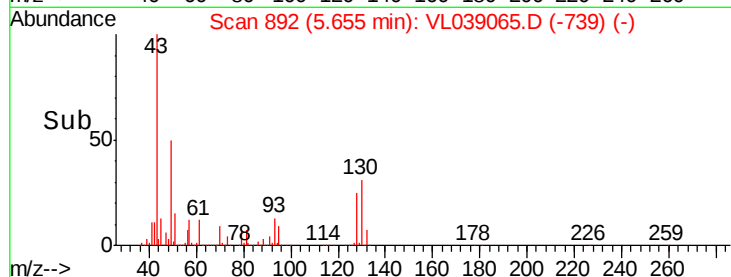
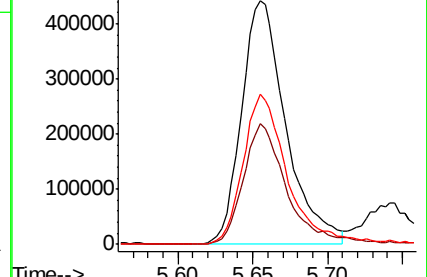
130 63.1 29.8 89.3



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: 8.333 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL039065.D

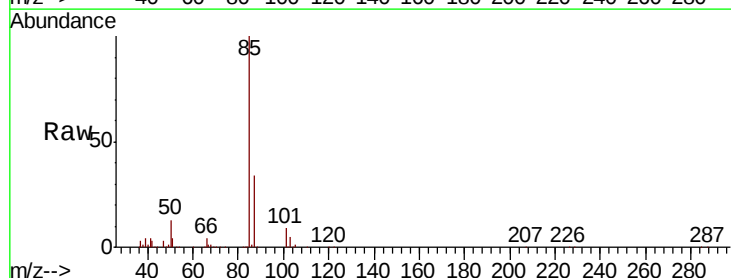
Acq: 14 May 2022 9:54

Tgt Ion: 85 Resp: 1191344

Ion Ratio Lower Upper

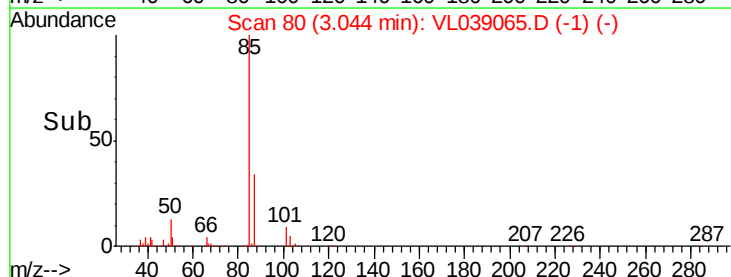
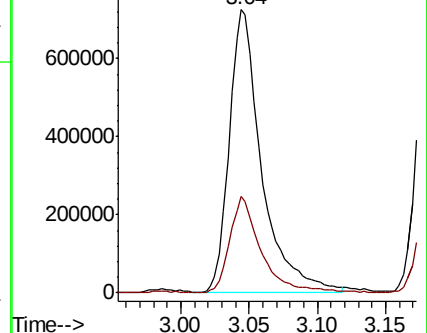
85 100

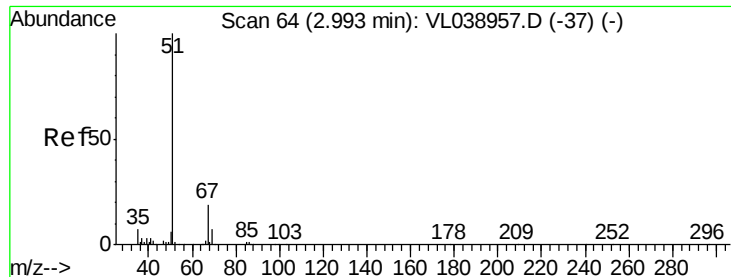
87 33.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

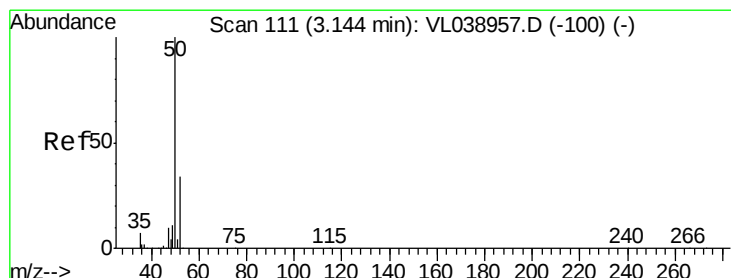
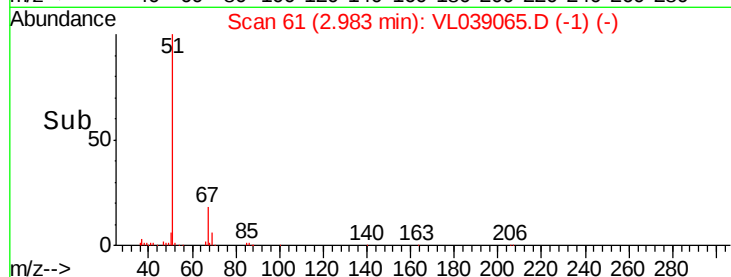
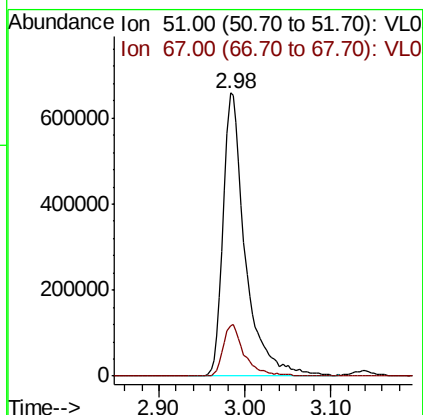
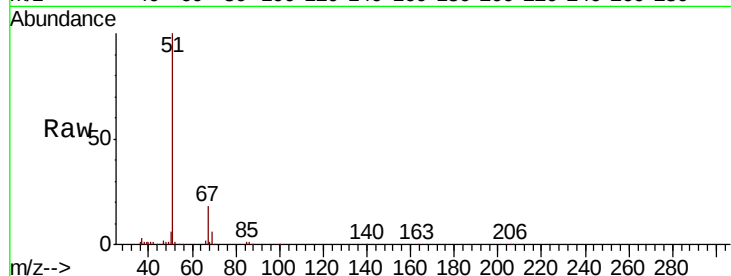
Ion 87.00 (86.70 to 87.70): VL0





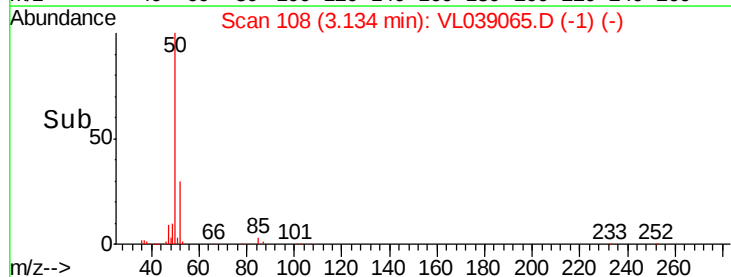
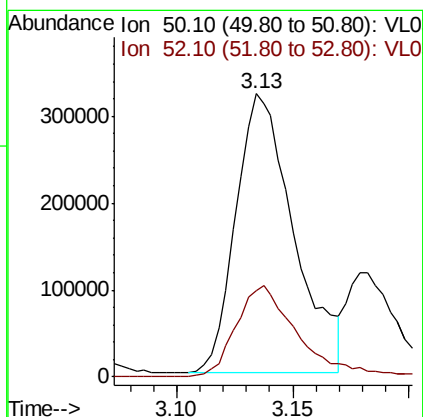
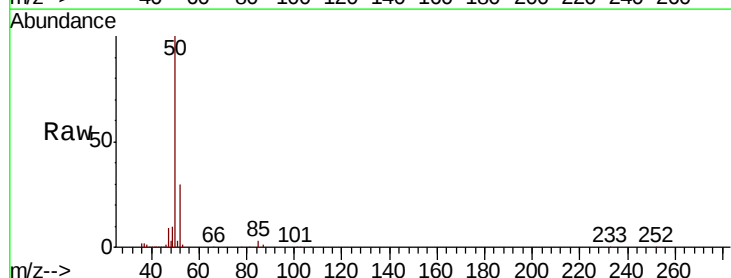
#3
 Chlorodifluoromethane
 Concen: 10.455 ppbv
 RT: 2.98
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 14 May 2022 9:54

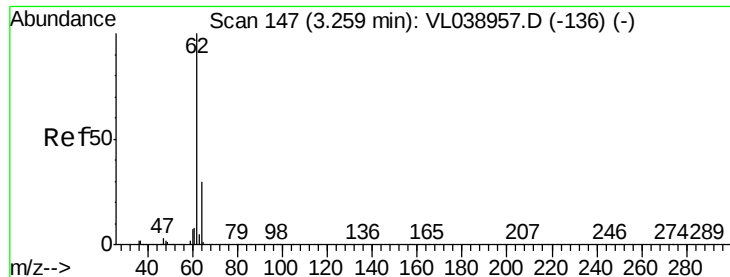
Tot Ion: 51 Resp: 1183752
 Ion Ratio Lower Upper
 51 100
 67 17.8 15.8 23.8



#4
 Chloromethane
 Concen: 9.852 ppbv
 RT: 3.13 min Scan# 108
 Delta R.T. -0.01 min
 Lab File: VL039065.D
 Acq: 14 May 2022 9:54

Tgt Ion: 50 Resp: 558618
 Ion Ratio Lower Upper
 50 100
 52 30.9 27.3 40.9





#5

Vinyl Chloride

Concen: 10.625 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

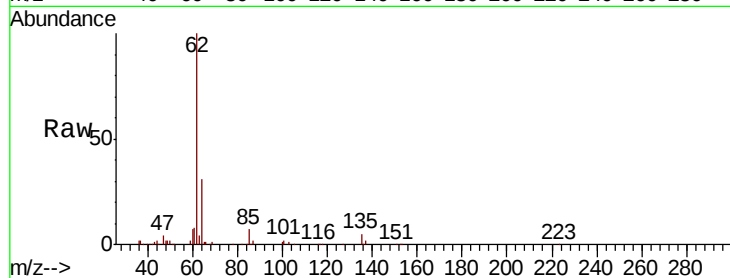
Acq: 14 May 2022 9:54 VSTDCCC010EC

Tot Ion: 62 Resp: 550114

Ion Ratio Lower Upper

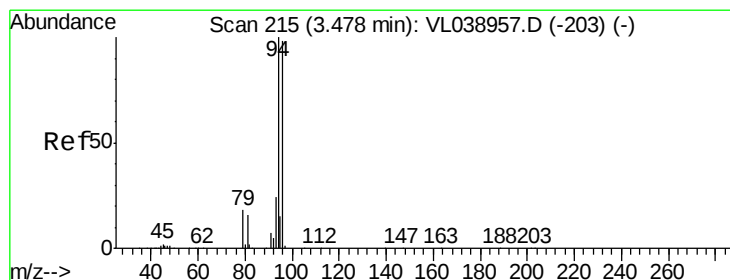
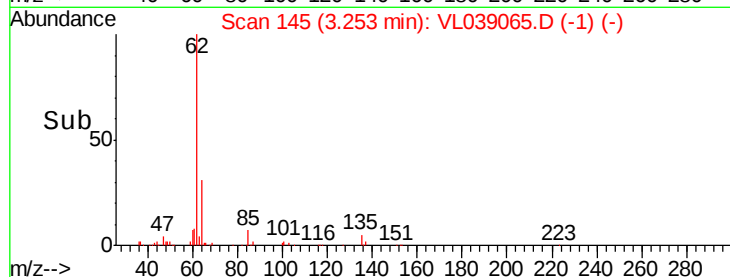
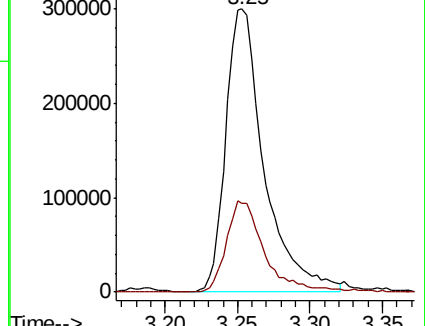
62 100

64 31.4 24.2 36.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.595 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.01 min

Lab File: VL039065.D

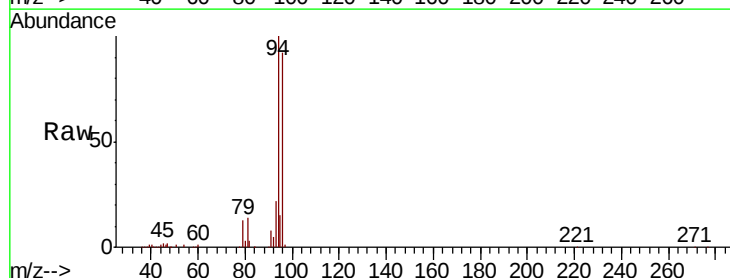
Acq: 14 May 2022 9:54

Tgt Ion: 94 Resp: 259134

Ion Ratio Lower Upper

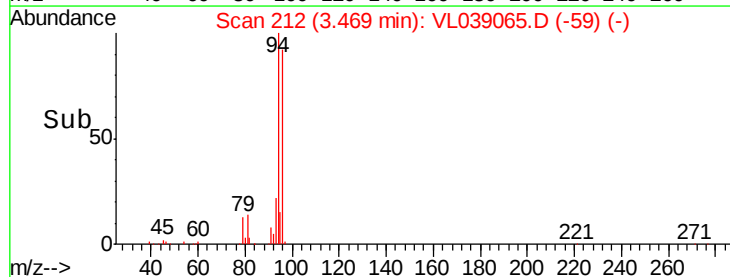
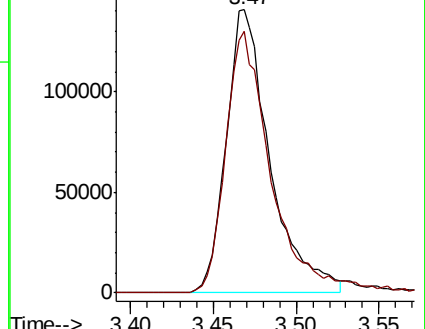
94 100

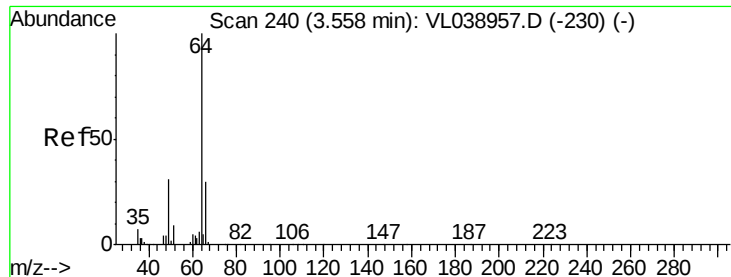
96 92.4 78.1 117.1



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.957 ppbv

RT: 3.55 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

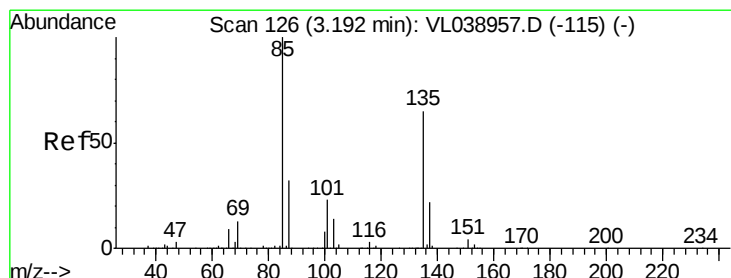
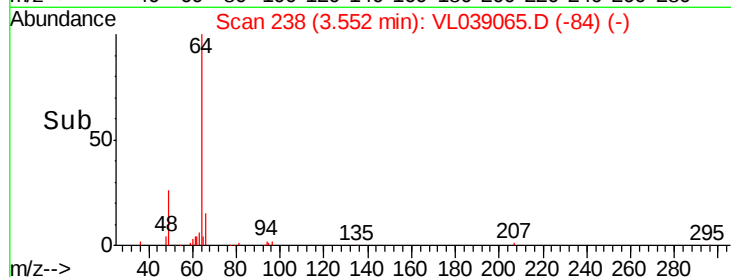
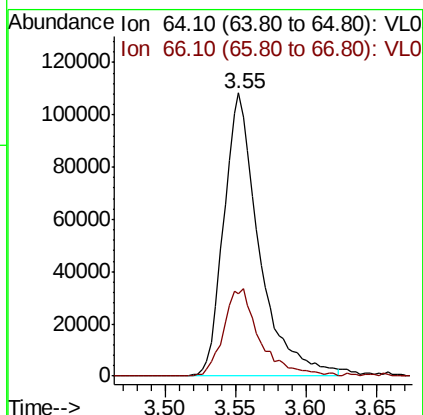
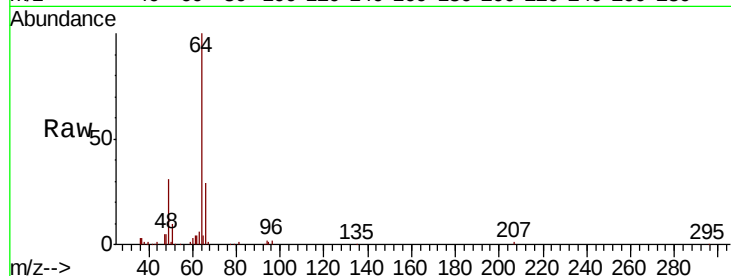
Acq: 14 May 2022 9:54

Tot Ion: 64 Resp: 189874

Ion Ratio Lower Upper

64 100

66 29.3 23.8 35.8



#8

Dichlorotetrafluoroethane

Concen: 10.339 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.01 min

Lab File: VL039065.D

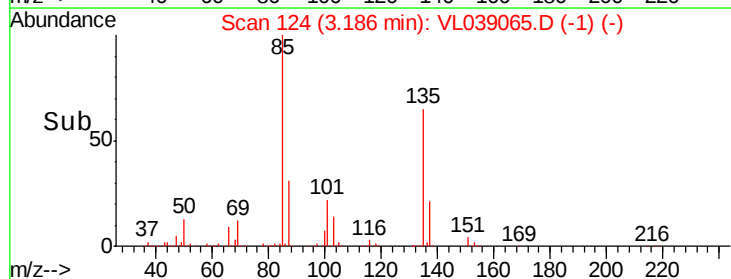
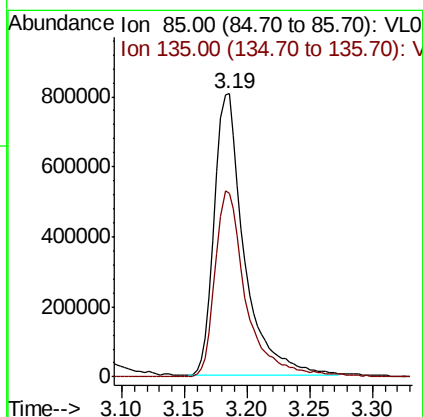
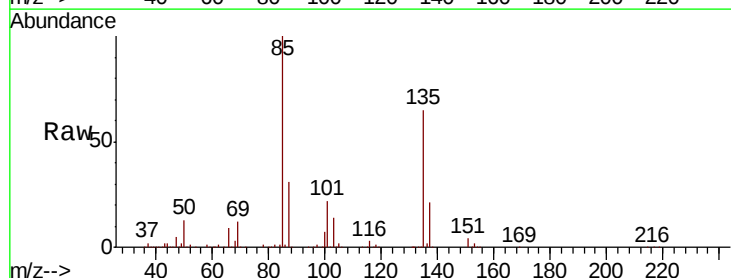
Acq: 14 May 2022 9:54

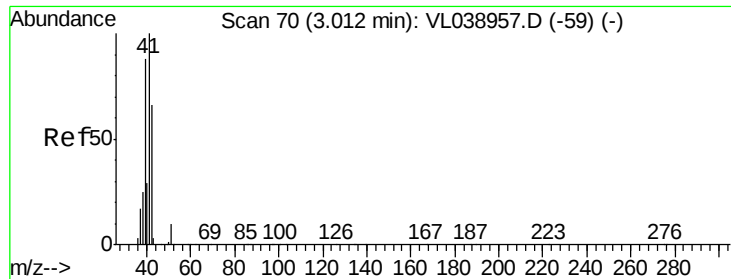
Tgt Ion: 85 Resp: 1339627

Ion Ratio Lower Upper

85 100

135 69.0 53.6 80.4





#9

Propene

Concen: 11.104 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

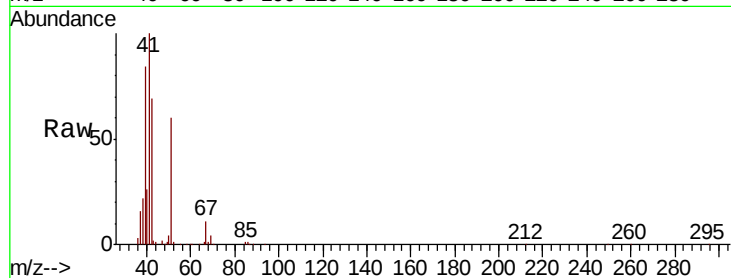
Acq: 14 May 2022 9:54

Tot Ion: 41 Resp: 549035

Ion Ratio Lower Upper

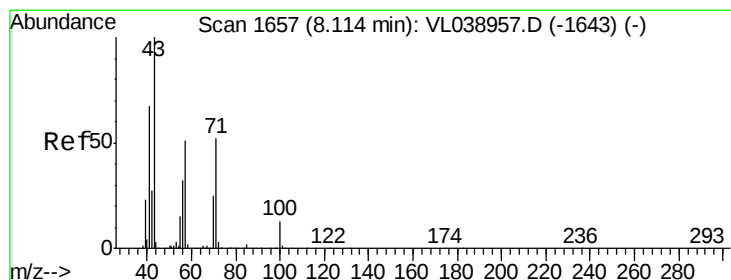
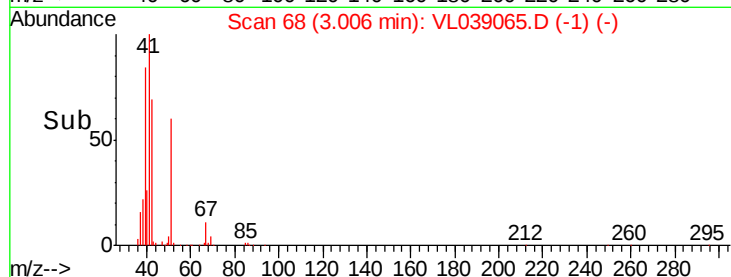
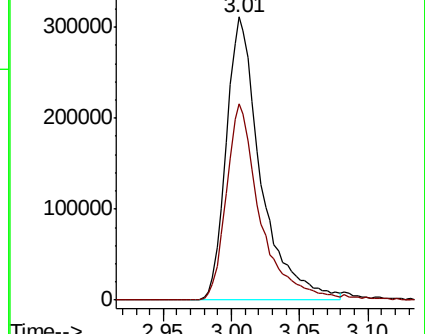
41 100

42 68.7 58.3 87.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 11.461 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. -0.01 min

Lab File: VL039065.D

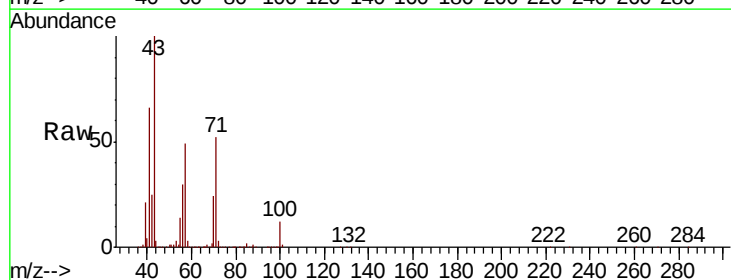
Acq: 14 May 2022 9:54

Tgt Ion: 43 Resp: 1390249

Ion Ratio Lower Upper

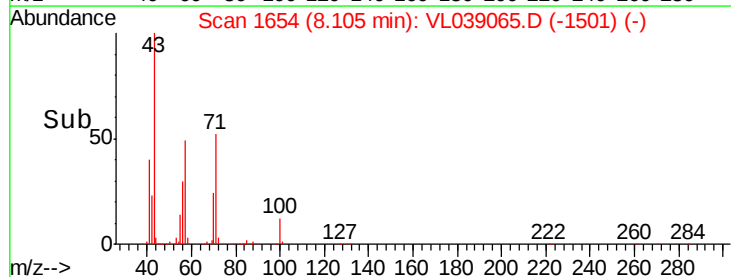
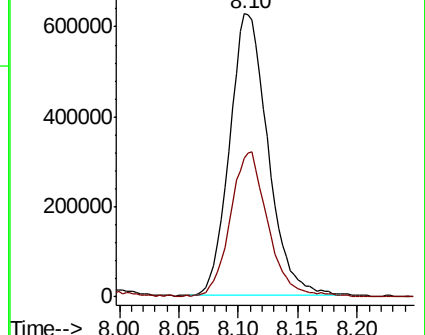
43 100

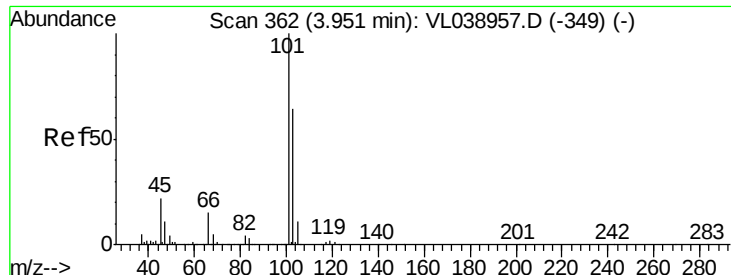
57 50.2 40.5 60.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

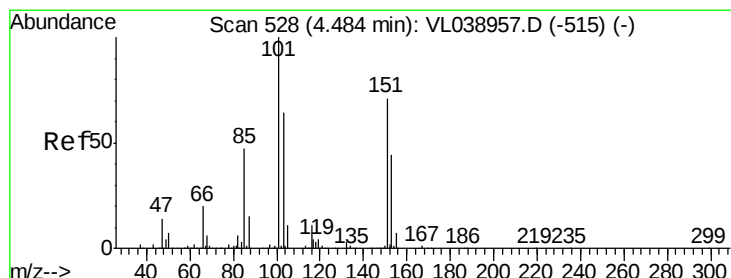
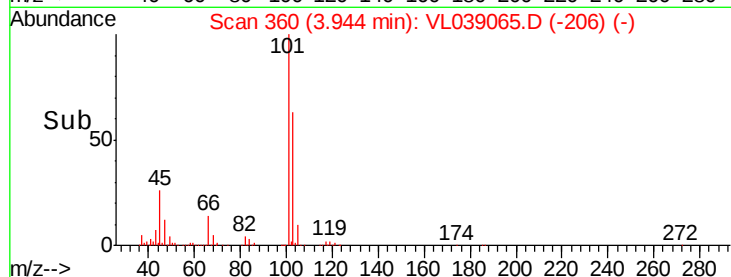
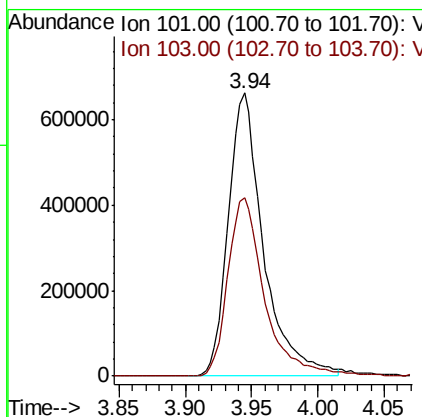
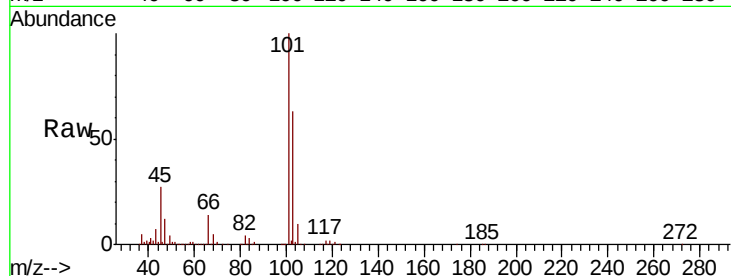
Ion 57.10 (56.80 to 57.80): VL0





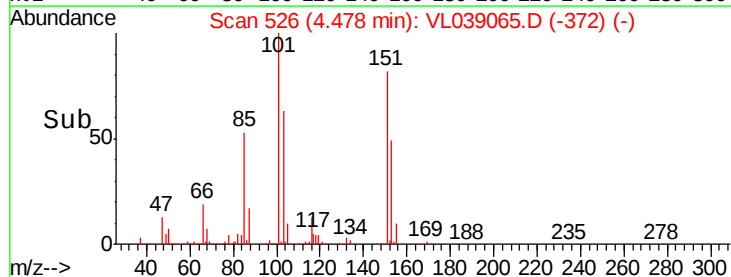
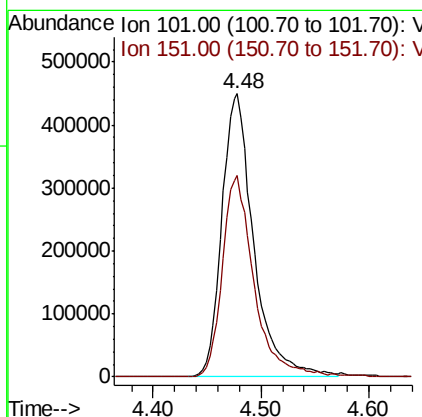
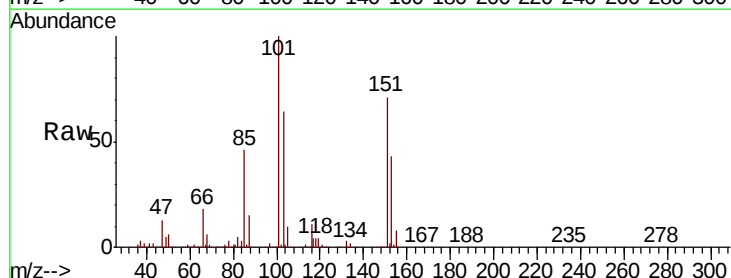
#11
 Trichlorofluoromethane
 Concen: 9.986 ppbv
 RT: 3.94
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 14 May 2022 9:54

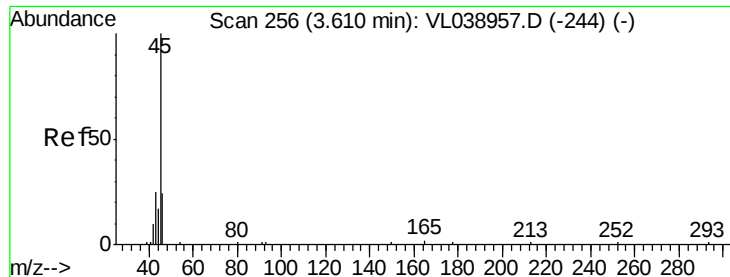
Tot Ion:101 Resp: 1224875
 Ion Ratio Lower Upper
 101 100
 103 62.8 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.963 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL039065.D
 Acq: 14 May 2022 9:54

Tgt Ion:101 Resp: 926351
 Ion Ratio Lower Upper
 101 100
 151 71.3 55.4 83.0





#13

Ethanol

Concen: 5.324 ppbv

RT: 3.60 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

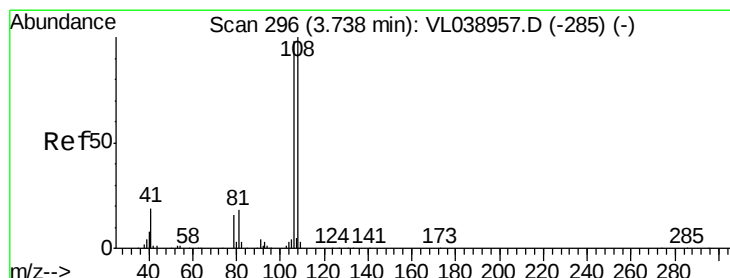
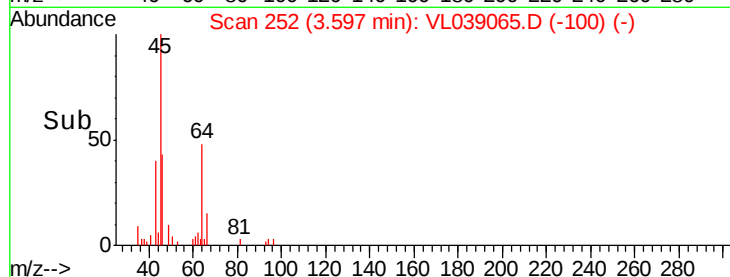
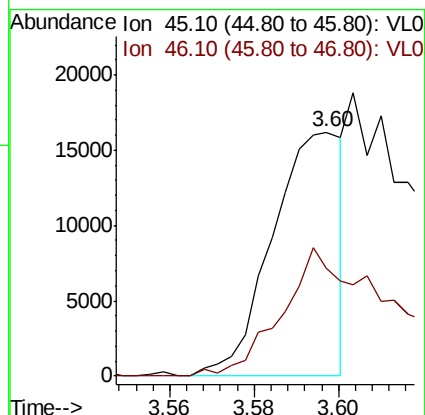
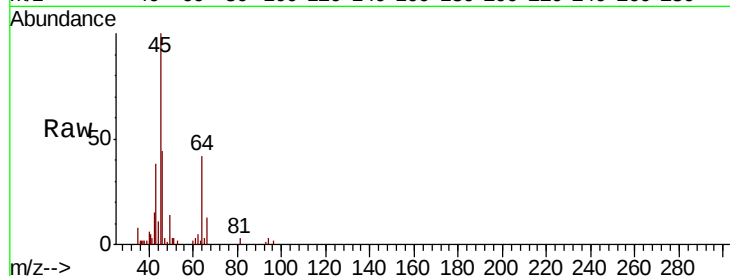
Acq: 14 May 2022 9:54 VSTDCCC010EC

Tot Ion: 45 Resp: 18630

Ion Ratio Lower Upper

45 100

46 104.3 18.0 72.2#



#14

Bromoethene

Concen: 11.023 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL039065.D

Acq: 14 May 2022 9:54

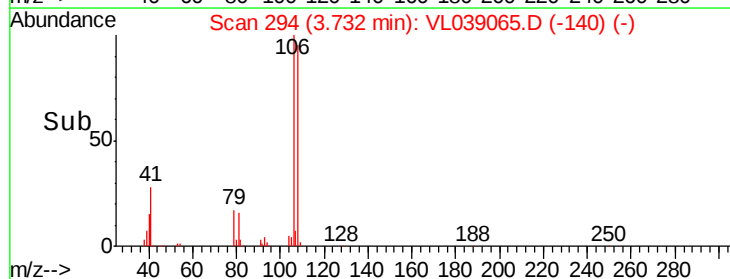
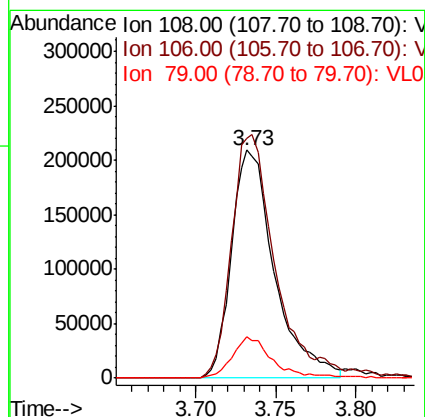
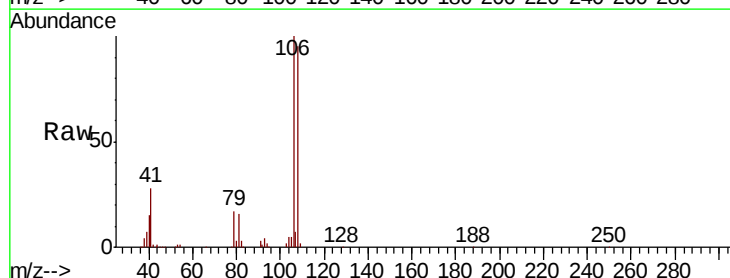
Tgt Ion: 108 Resp: 384077

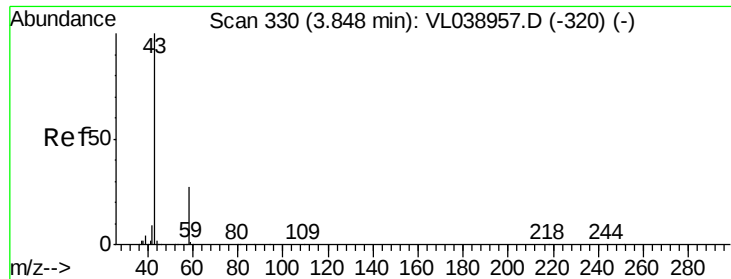
Ion Ratio Lower Upper

108 100

106 111.9 90.3 135.5

79 17.8 14.9 22.3





#15

Acetone

Concen: 10.529 ppbv

RT: 3.84 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

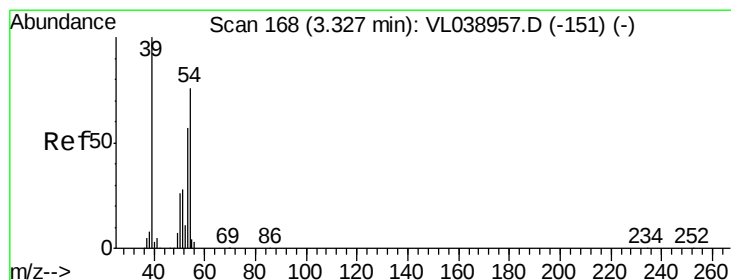
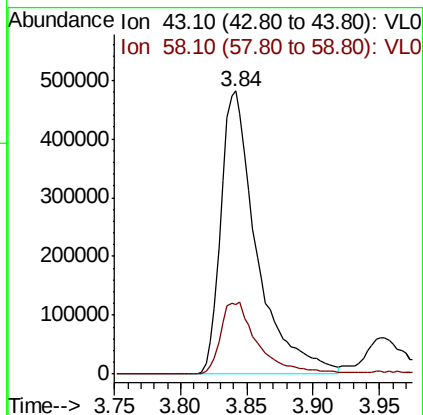
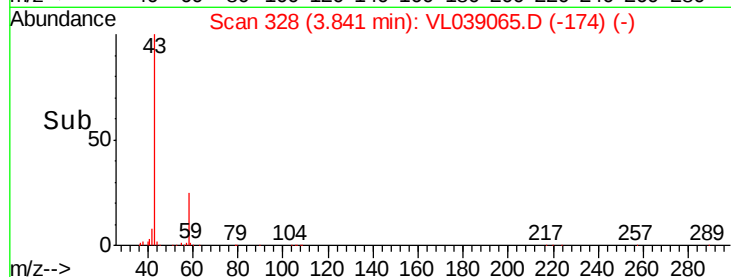
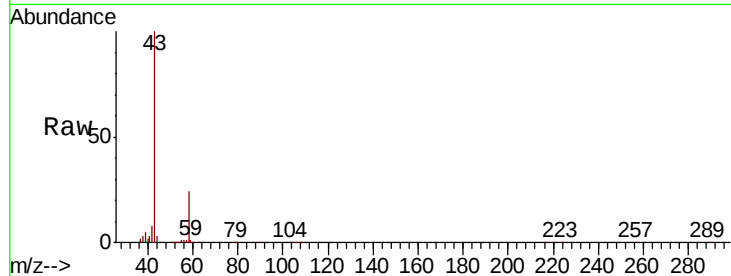
Acq: 14 May 2022 9:54

Tot Ion: 43 Resp: 906248

Ion Ratio Lower Upper

43 100

58 26.4 21.3 31.9



#16

1,3-Butadiene

Concen: 10.660 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.01 min

Lab File: VL039065.D

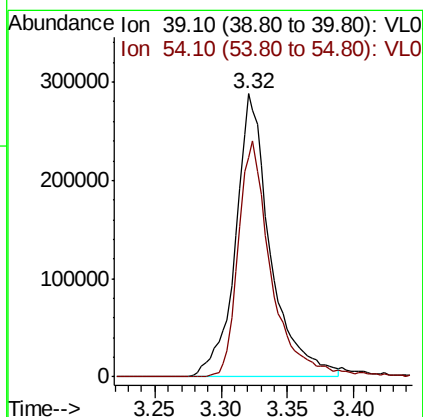
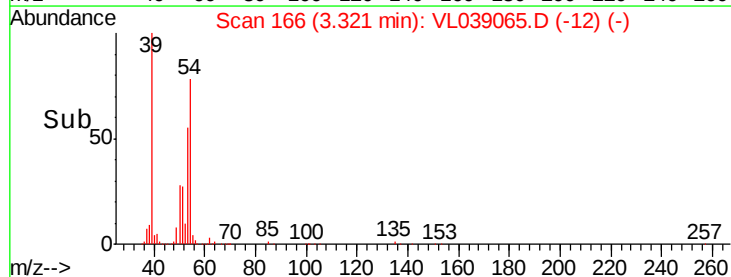
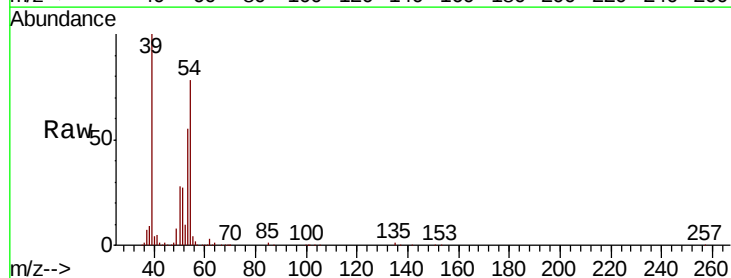
Acq: 14 May 2022 9:54

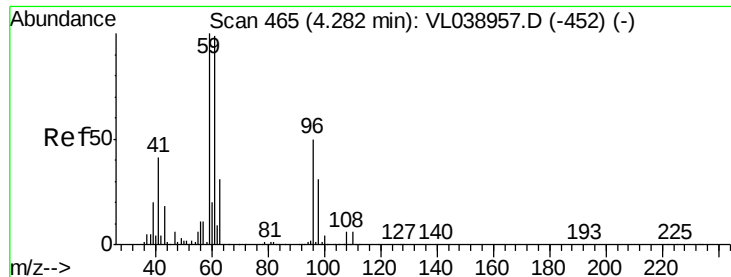
Tgt Ion: 39 Resp: 527118

Ion Ratio Lower Upper

39 100

54 79.7 65.2 97.8





#17

tert-Butyl alcohol

Concen: 12.393 ppbv

RT: 4.28 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

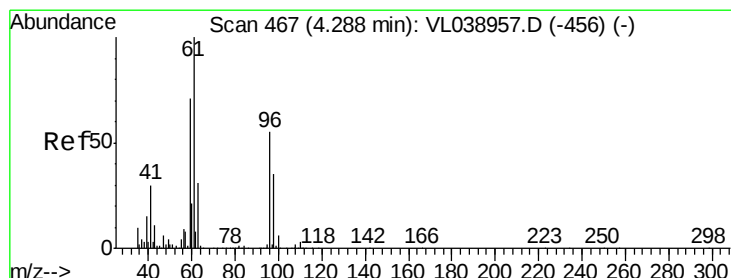
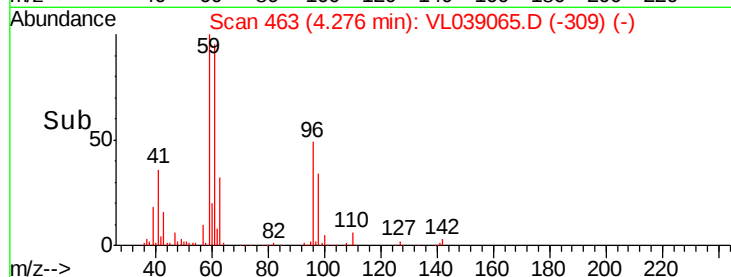
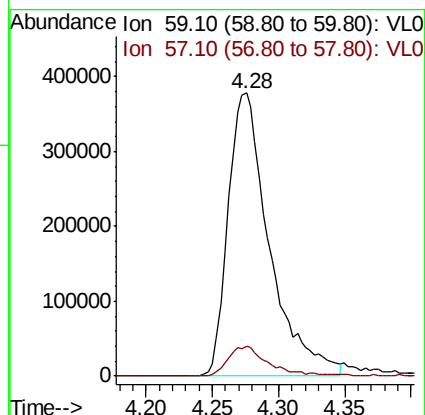
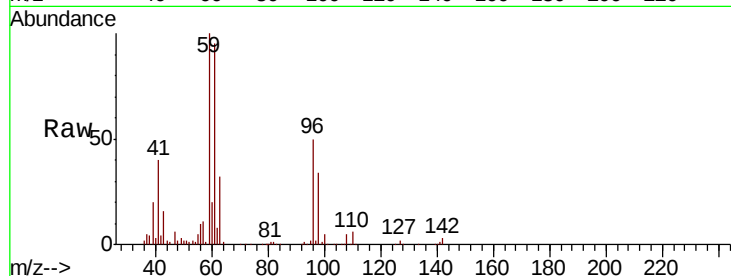
Acq: 14 May 2022 9:54

Tot Ion: 59 Resp: 819829

Ion Ratio Lower Upper

59 100

57 11.2 9.2 13.8



#18

1,1-Dichloroethene

Concen: 11.020 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.01 min

Lab File: VL039065.D

Acq: 14 May 2022 9:54

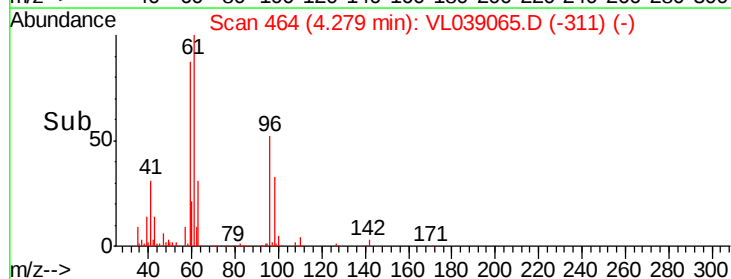
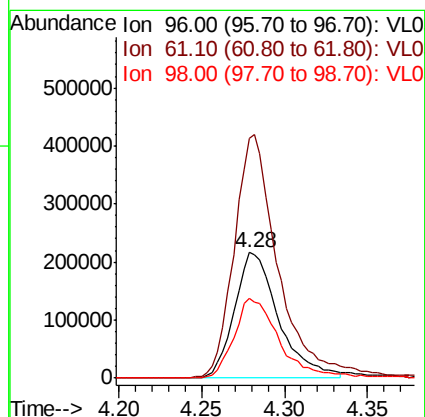
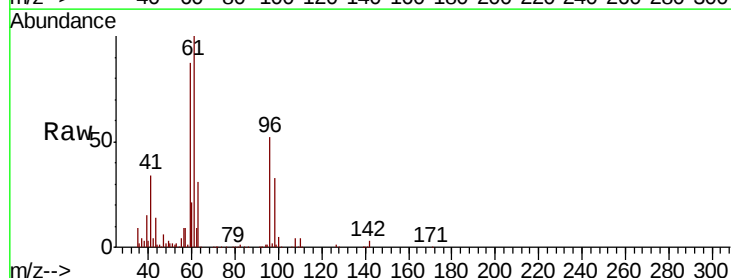
Tgt Ion: 96 Resp: 400747

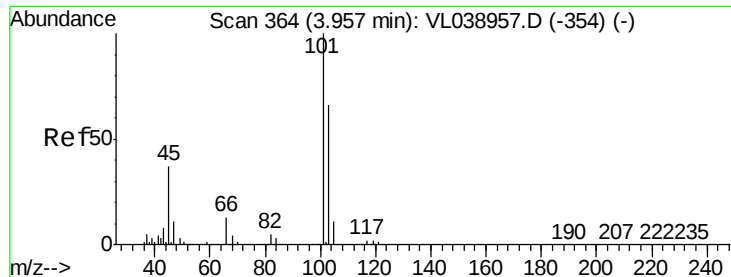
Ion Ratio Lower Upper

96 100

61 190.8 146.3 219.5

98 63.2 50.6 75.8





#19

Isopropyl Alcohol

Concen: 11.551 ppbv

RT: 3.95 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

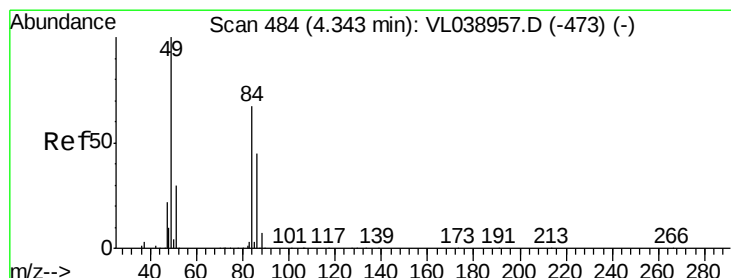
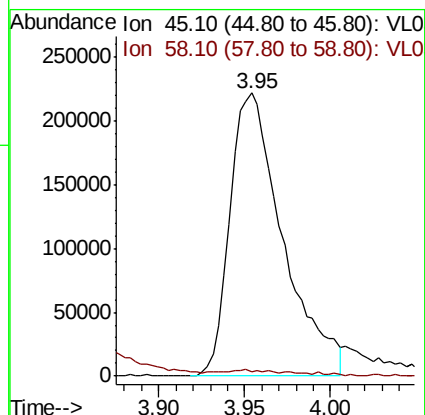
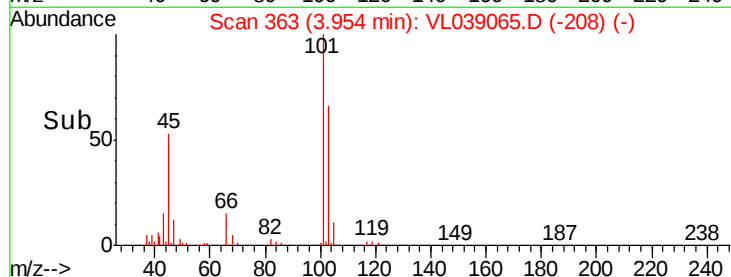
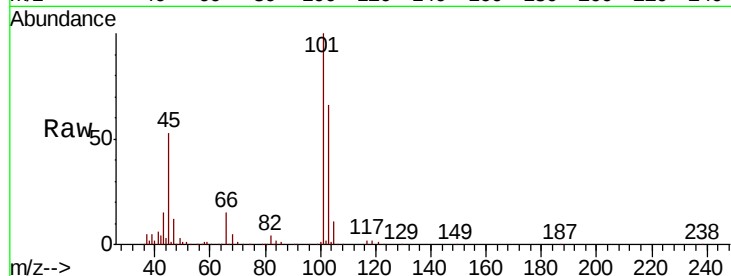
Acq: 14 May 2022 9:54

Tot Ion: 45 Resp: 472707

Ion Ratio Lower Upper

45 100

58 4.0 1.4 2.2#



#20

Methylene Chloride

Concen: 10.562 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL039065.D

Acq: 14 May 2022 9:54

Tgt Ion: 84 Resp: 342623

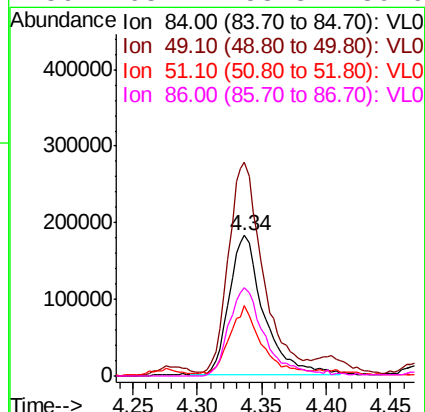
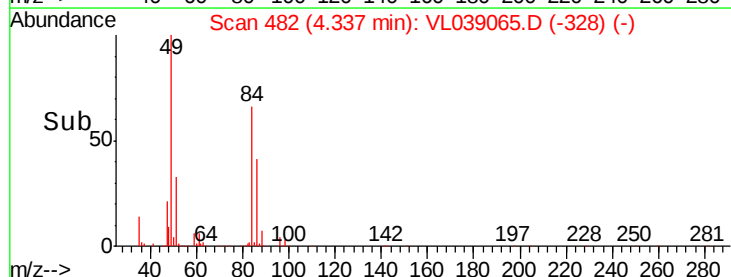
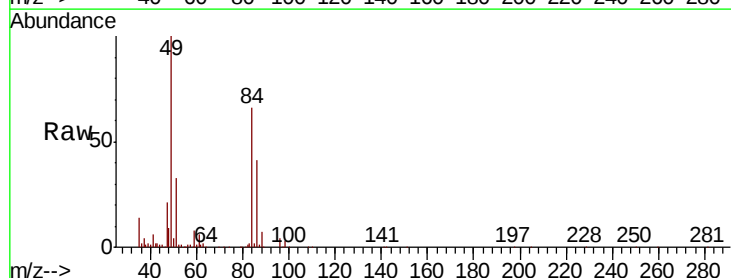
Ion Ratio Lower Upper

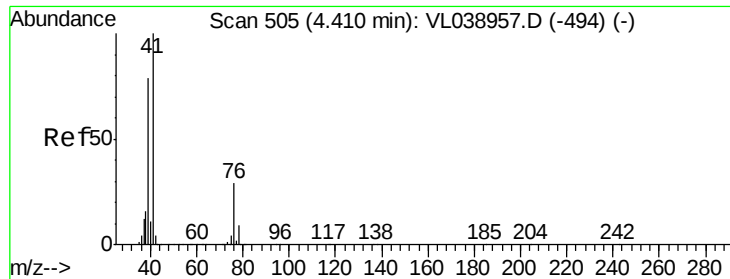
84 100

49 149.6 119.9 179.9

51 48.8 35.7 53.5

86 63.4 53.8 80.6





#21

Allvl Chloride

Concen: 10.454 ppbv

RT: 4.40 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 May 2022 9:54 VSTDCCC010EC

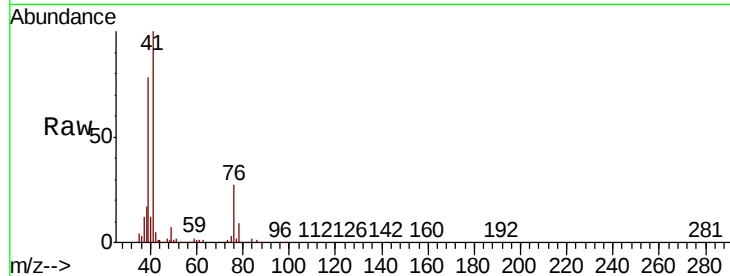
Tot Ion: 41 Resp: 613133

Ion Ratio Lower Upper

41 100

76 29.9 24.2 36.4

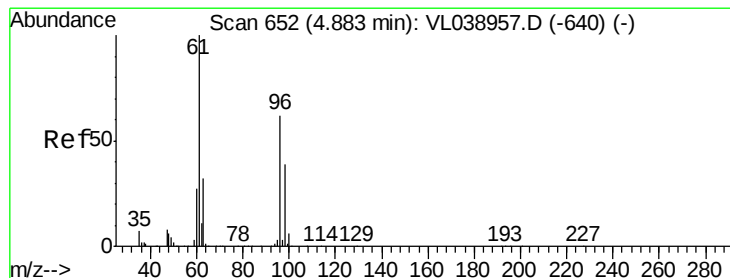
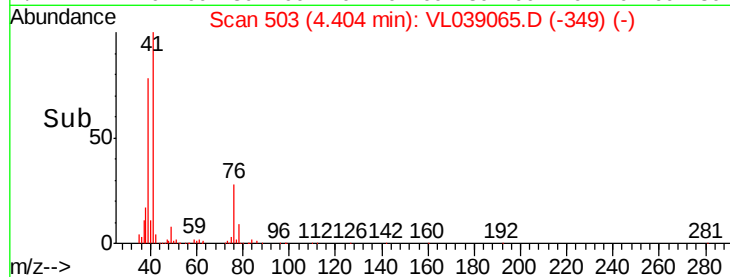
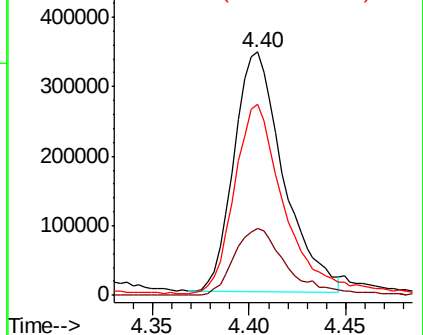
39 81.6 63.8 95.8



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: 10.596 ppbv

RT: 4.88 min Scan# 650

Delta R.T. -0.01 min

Lab File: VL039065.D

Acq: 14 May 2022 9:54

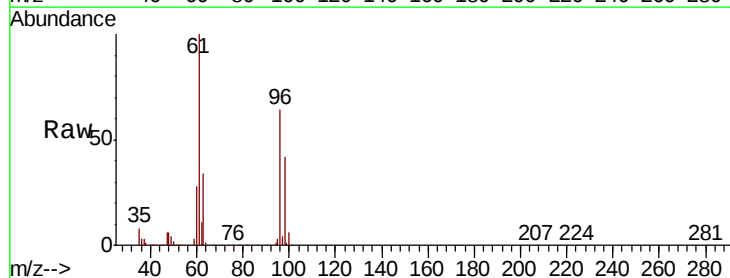
Tgt Ion: 96 Resp: 416223

Ion Ratio Lower Upper

96 100

61 155.6 128.2 192.2

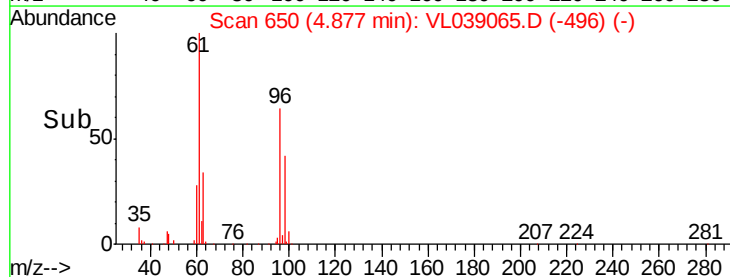
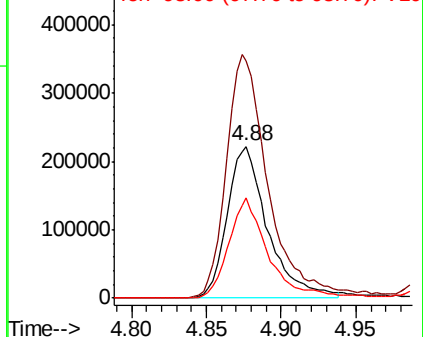
98 65.7 50.1 75.1

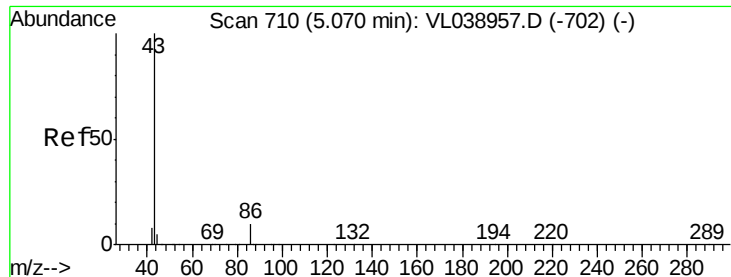


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

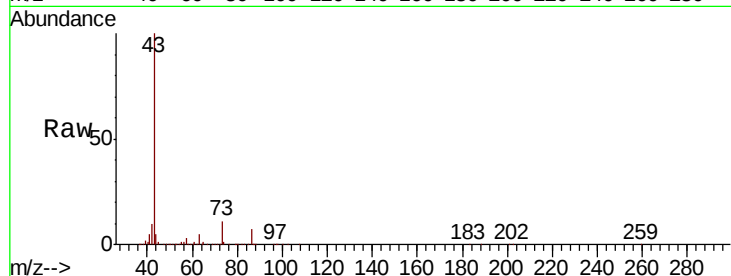
Ion 98.00 (97.70 to 98.70): VL0



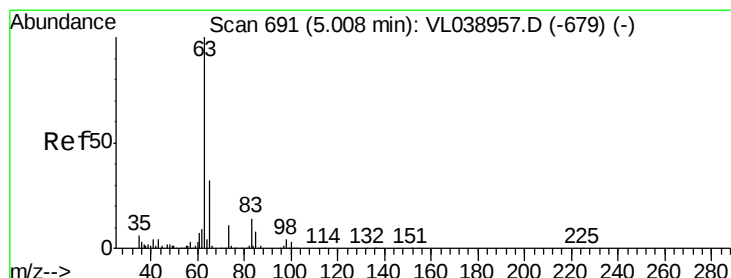
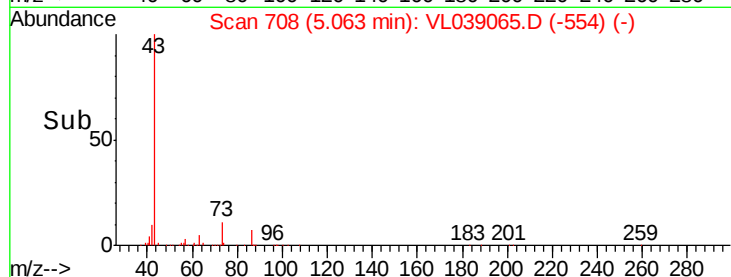
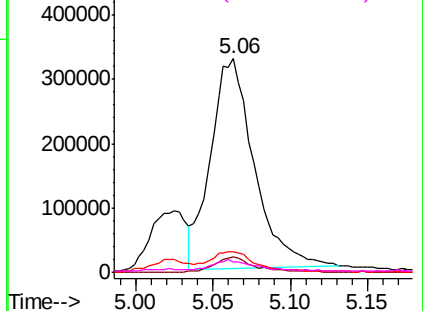


#23
 Vinyl Acetate
 Concen: 9.436 ppbv
 RT: 5.06
 Instrument: MSVOA_1
 Delta R.T.:
 ClientSampleId:
 Lab File: VSTDCCC010EC
 Acq: 14 May 2022 9:54

Tot Ion:	43	Resp:	642579
Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.6	9.8
42	9.6	8.1	12.1
44	4.3	3.5	5.3

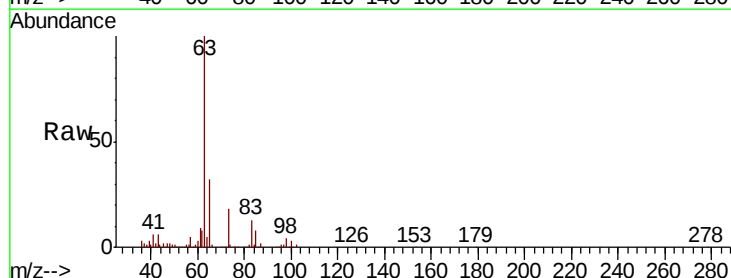


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0

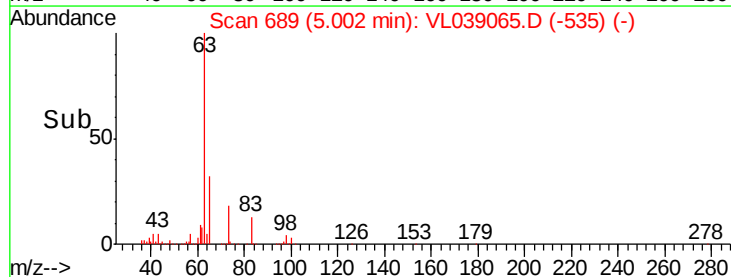
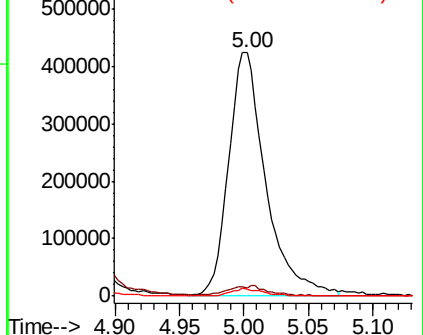


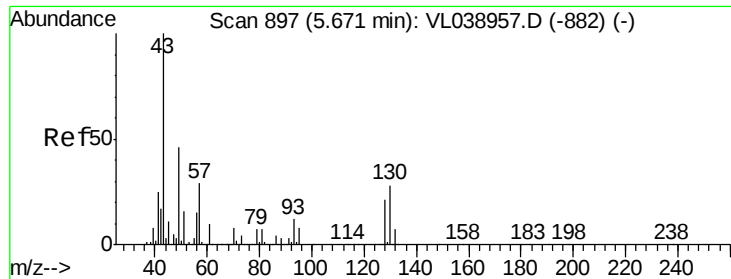
#24
 1,1-Dichloroethane
 Concen: 10.722 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T.: -0.01 min
 Lab File: VL039065.D
 Acq: 14 May 2022 9:54

Tgt Ion:	63	Resp:	840788
Ion	Ratio	Lower	Upper
63	100		
98	3.4	2.1	6.2
100	2.9	1.4	4.2



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

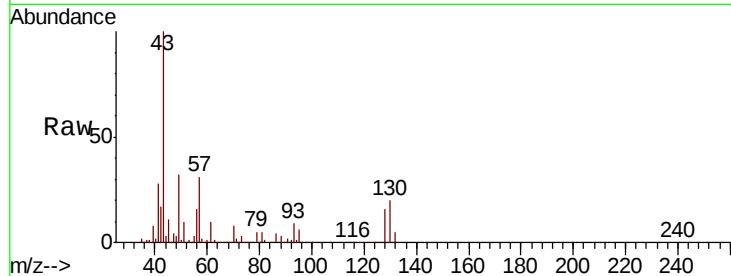




#25
Ethyl Acetate
Concen: 12.459 ppbv
RT: 5.66
Instrument: MSVOA_L
Delta R.T. ClientSampleId:
Lab File: VSTDCCC010EC
Acq: 14 May 2022 9:54

Tot Ion: 43 Resp: 2566611

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	10.1	7.8	11.6
70	7.1	5.6	8.4



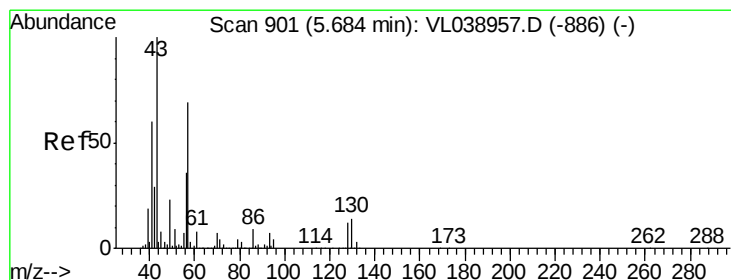
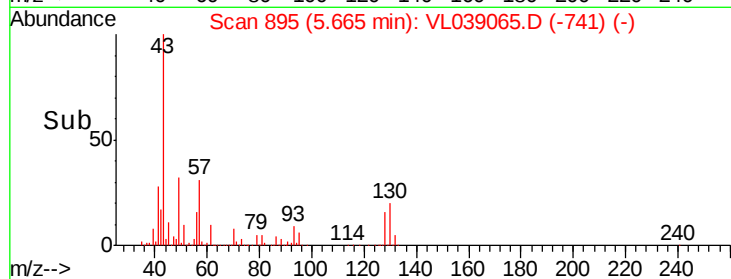
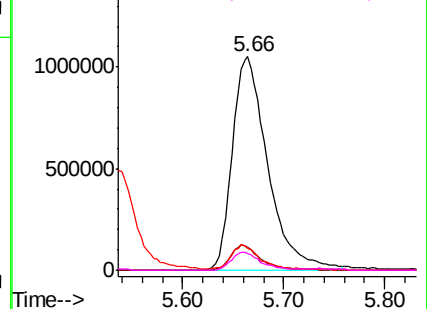
Abundance

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

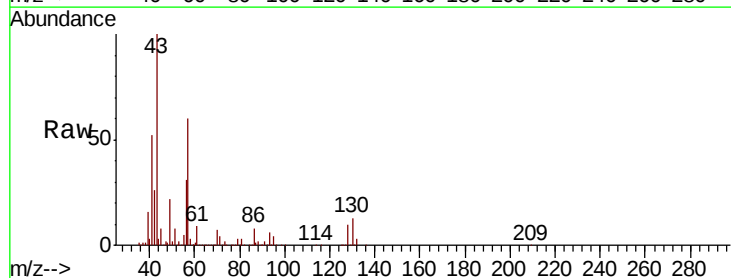
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 11.312 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL039065.D
Acq: 14 May 2022 9:54

Tgt Ion: 57 Resp: 1035434

Ion	Ratio	Lower	Upper
57	100		
41	88.9	75.2	112.8
43	253.0	190.8	286.2
56	52.8	43.0	64.6



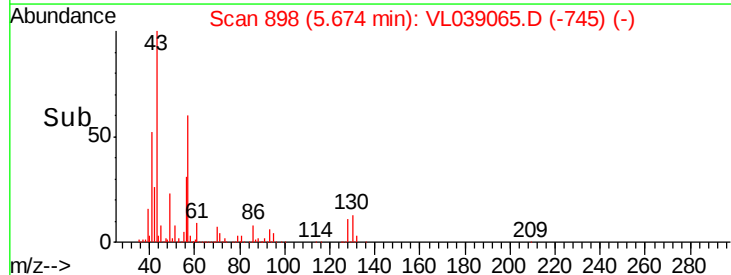
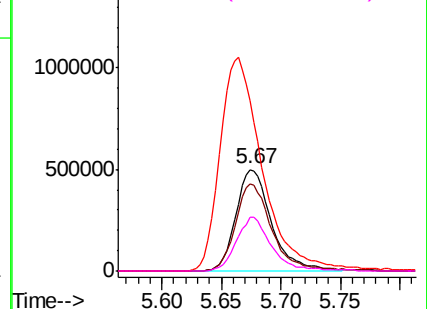
Abundance

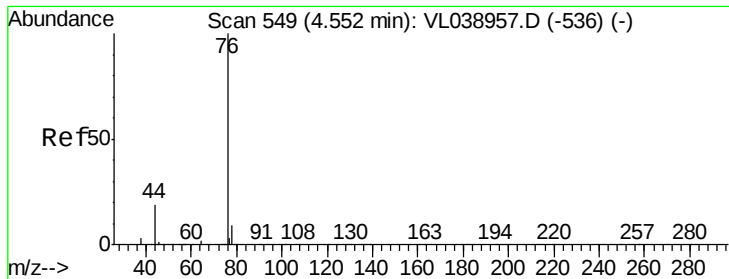
Ion 57.10 (56.80 to 57.80): VL0

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: 11.217 ppbv

RT: 4.54 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 14 May 2022 9:54 VSTDCCC010EC

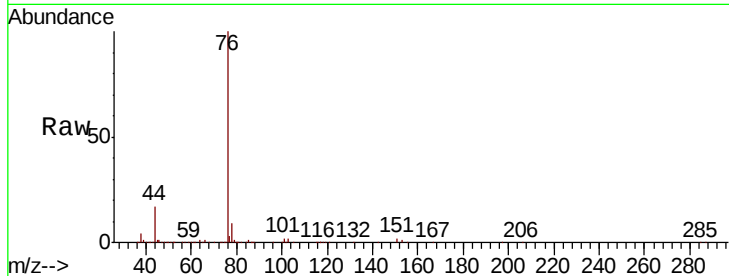
Tot Ion: 76 Resp: 975277

Ion Ratio Lower Upper

76 100

44 18.9 15.3 22.9

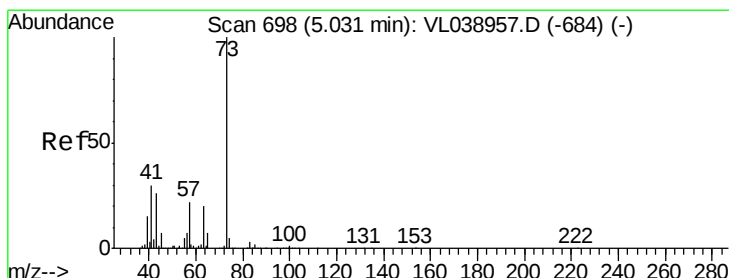
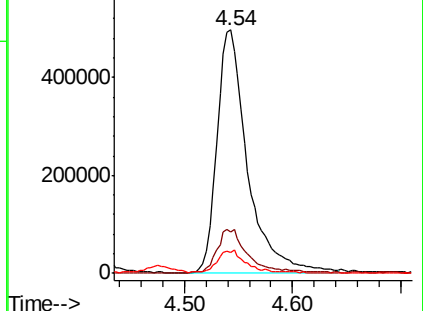
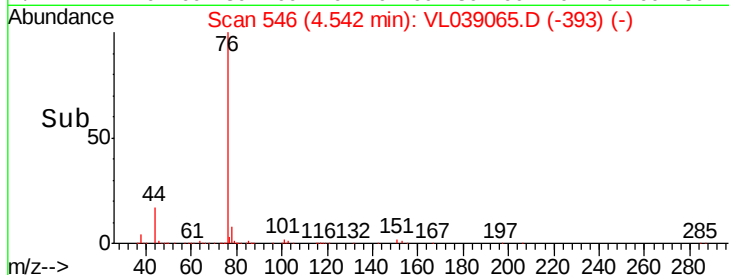
78 9.8 8.2 12.2



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.337 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.01 min

Lab File: VL039065.D

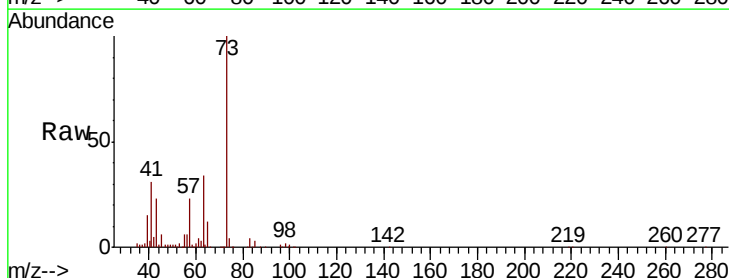
Acq: 14 May 2022 9:54

Tgt Ion: 73 Resp: 789554

Ion Ratio Lower Upper

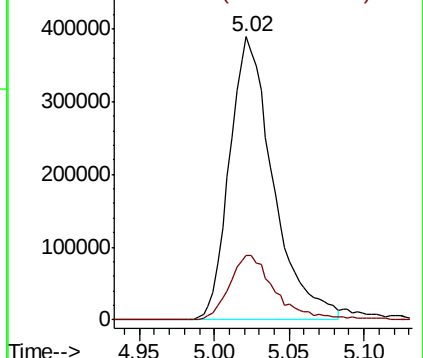
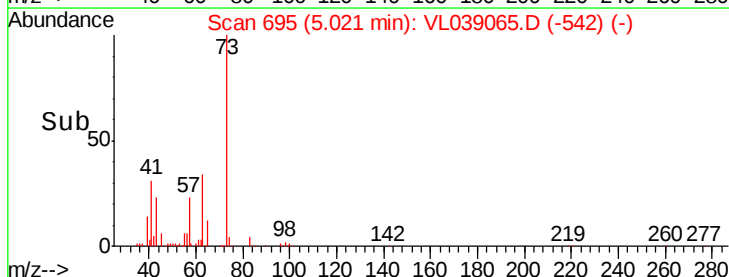
73 100

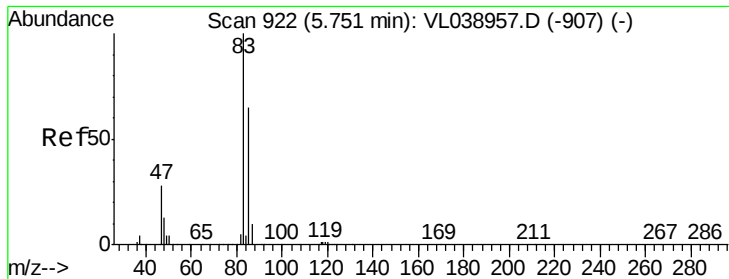
57 24.2 18.8 28.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.648 ppbv

RT: 5.74 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

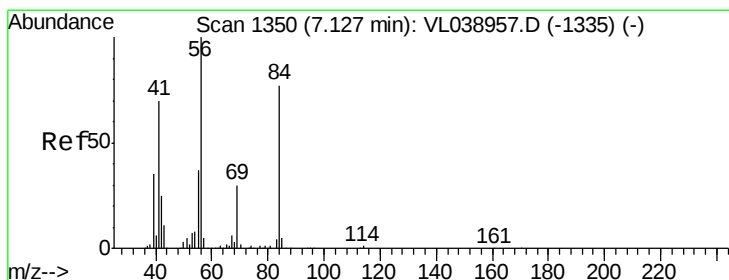
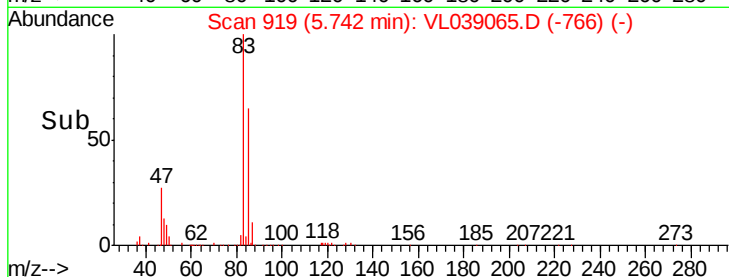
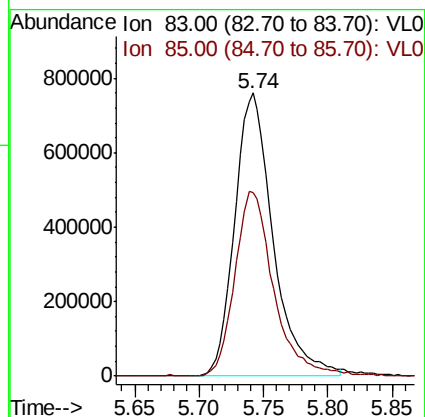
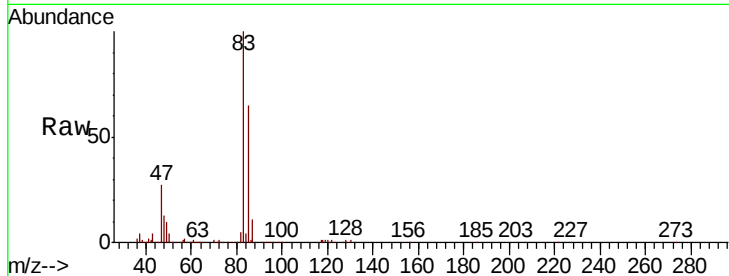
Acq: 14 May 2022 9:54 VSTDCCC010EC

Tot Ion: 83 Resp: 1576901

Ion Ratio Lower Upper

83 100

85 64.4 51.8 77.6



#30

Cyclohexane

Concen: 11.464 ppbv

RT: 7.12 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VL039065.D

Acq: 14 May 2022 9:54

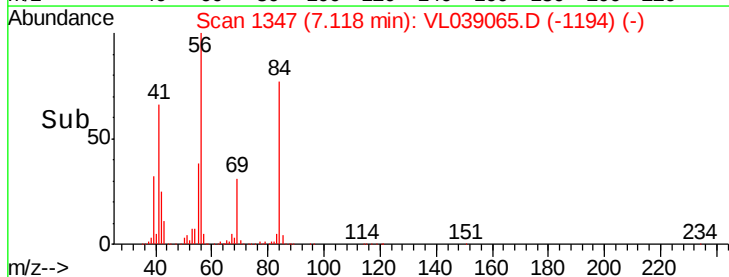
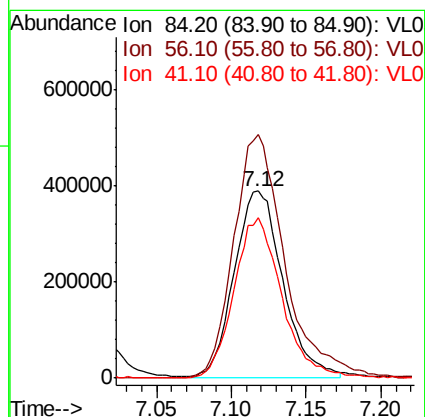
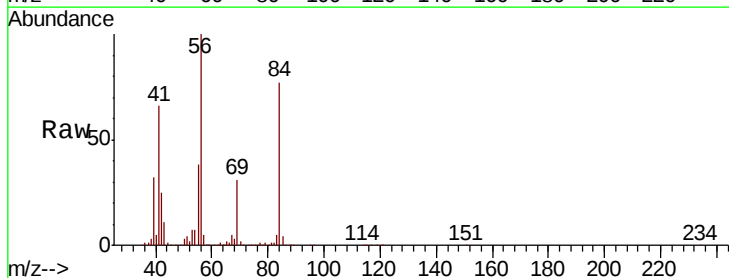
Tgt Ion: 84 Resp: 878543

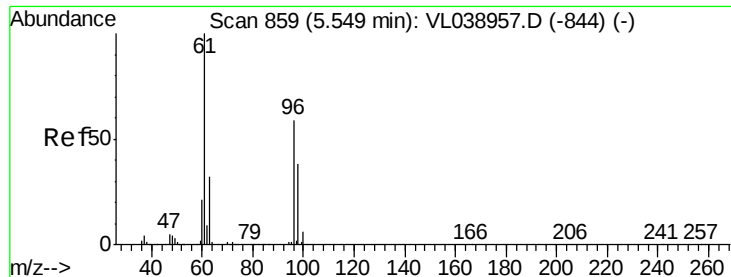
Ion Ratio Lower Upper

84 100

56 138.2 115.3 172.9

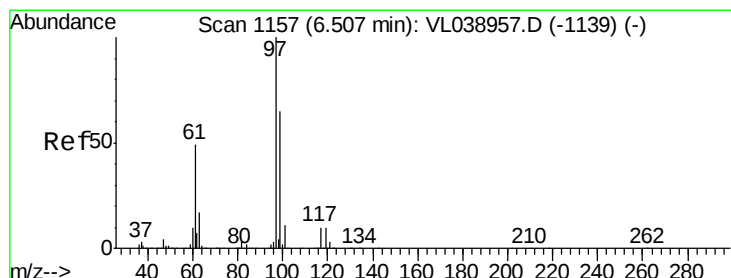
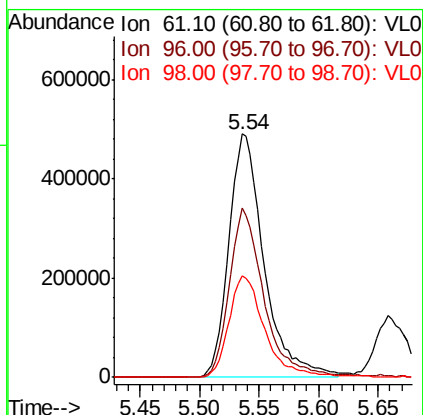
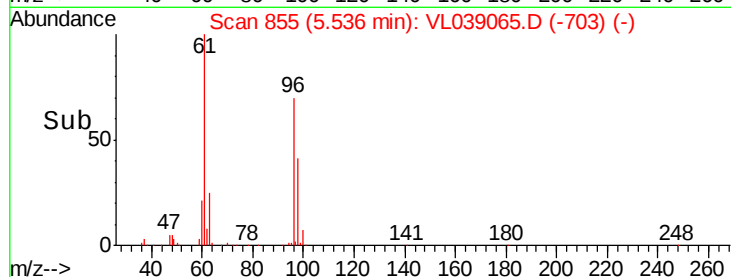
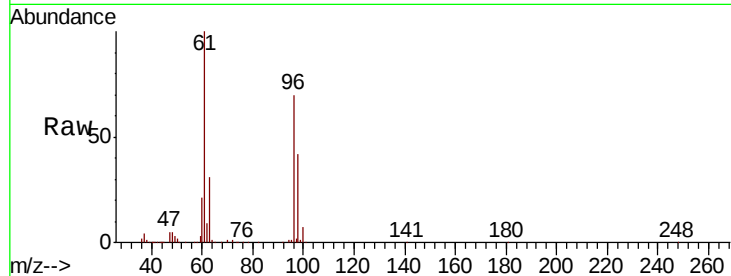
41 85.2 72.0 108.0





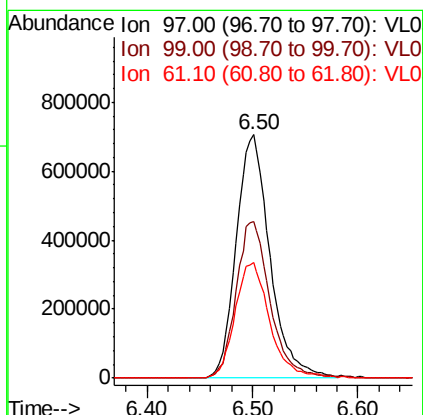
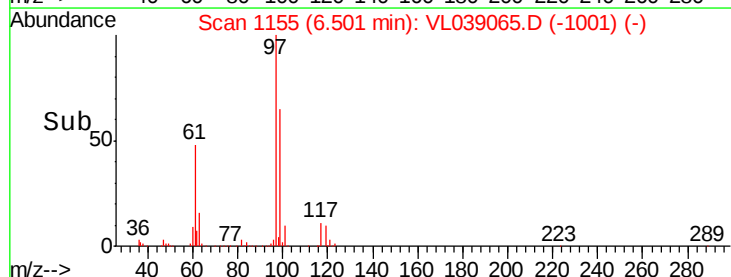
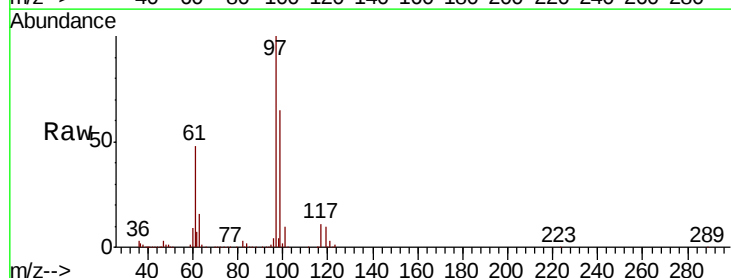
#31
 cis-1,2-Dichloroethene
 Concen: 10.757 ppbv
 RT: 5.54
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 14 May 2022 9:54

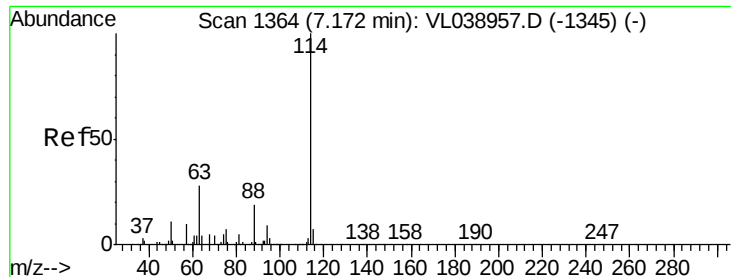
Tot Ion: 61 Resp: 1003069
 Ion Ratio Lower Upper
 61 100
 96 69.7 47.4 71.0
 98 41.5 30.6 45.8



#32
 1,1,1-Trichloroethane
 Concen: 10.597 ppbv
 RT: 6.50 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: VL039065.D
 Acq: 14 May 2022 9:54

Tgt Ion: 97 Resp: 1569182
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.9 77.9
 61 49.1 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 Instrument: MSVOA_L

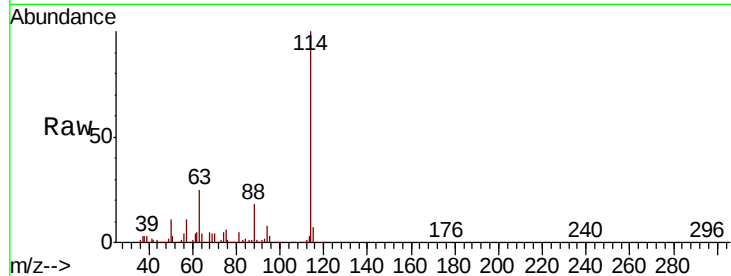
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 14 May 2022 9:54

Tot Ion:114 Resp: 2487190

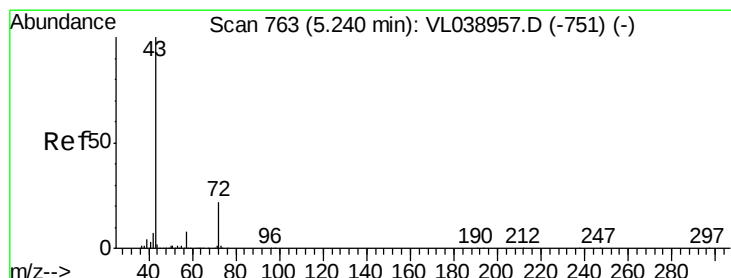
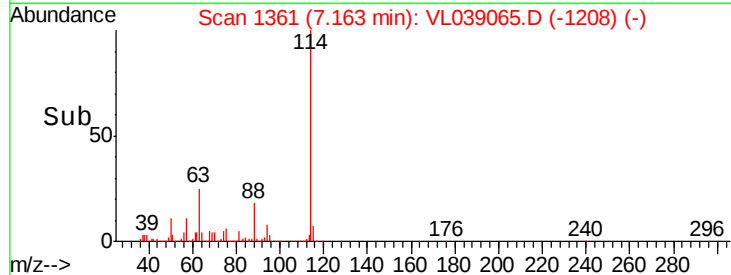
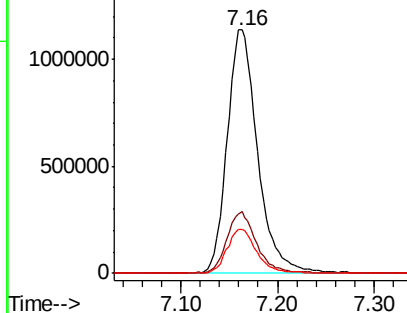
Ion	Ratio	Lower	Upper
114	100		
63	25.0	22.6	33.8
88	17.9	15.4	23.0



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.663 ppbv

RT: 5.23 min Scan# 761

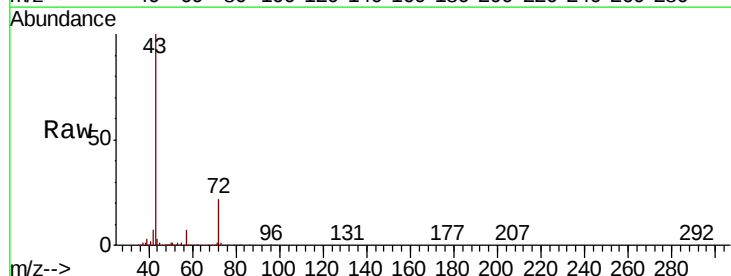
Delta R.T. -0.01 min

Lab File: VL039065.D

Acq: 14 May 2022 9:54

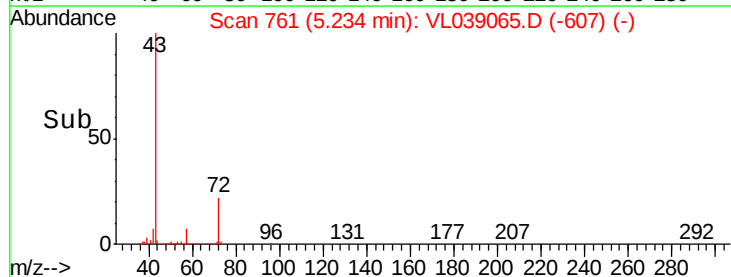
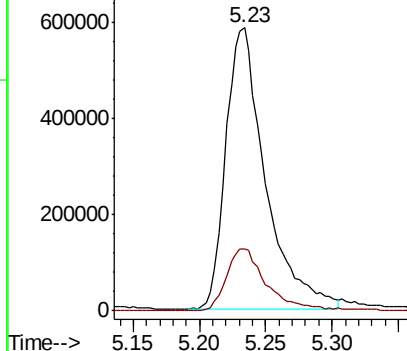
Tgt Ion: 43 Resp: 1226114

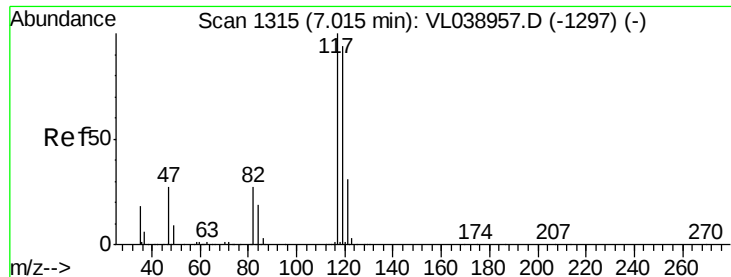
Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.8	26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

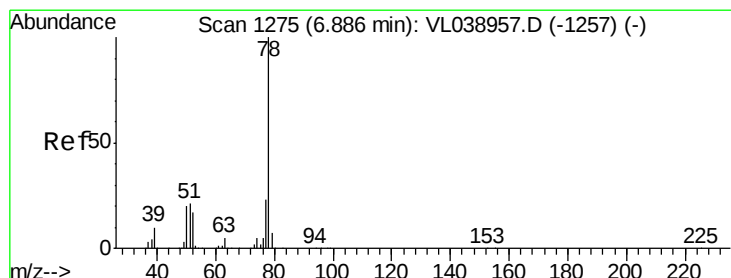
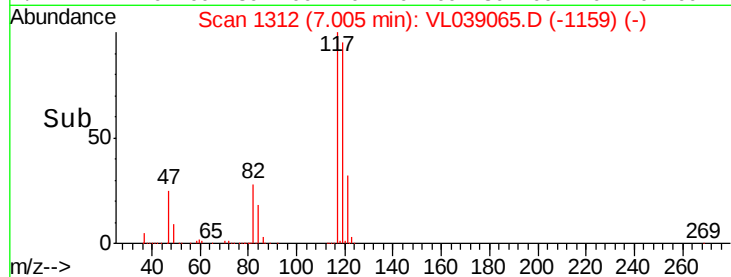
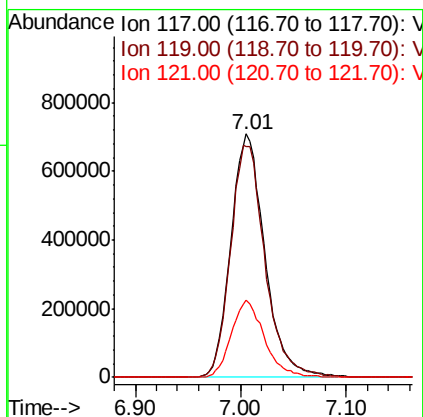
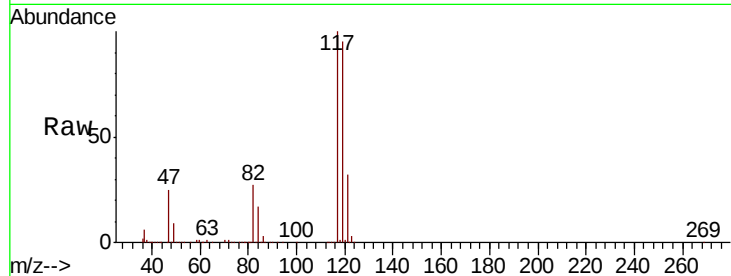
Ion 72.10 (71.80 to 72.80): VL0





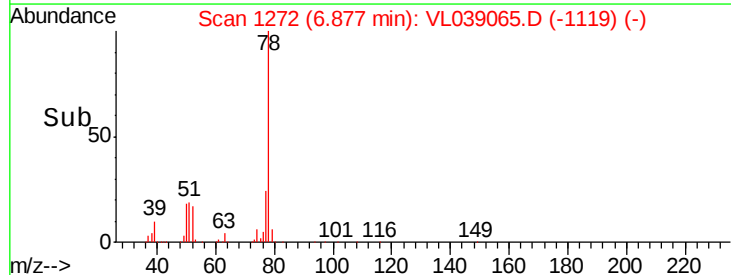
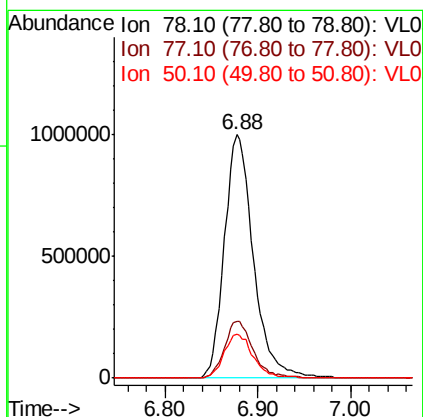
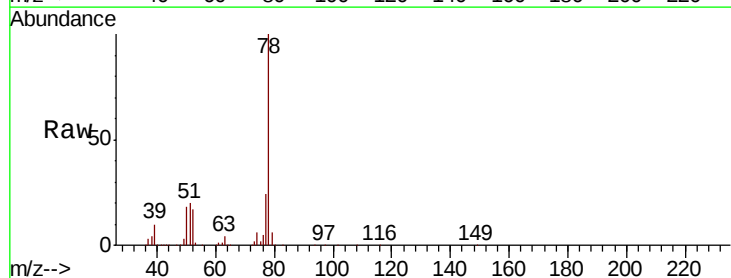
#35
Carbon Tetrachloride
Concen: 9.659 ppbv
RT: 7.01
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 May 2022 9:54

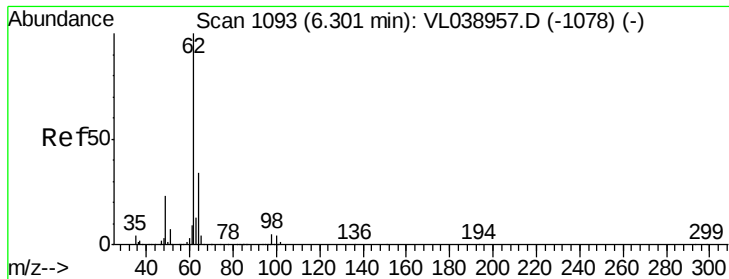
Tot Ion:117 Resp: 1582977
Ion Ratio Lower Upper
117 100
119 94.8 75.2 112.8
121 31.8 24.6 37.0



#36
Benzene
Concen: 10.208 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VL039065.D
Acq: 14 May 2022 9:54

Tgt Ion: 78 Resp: 2172793
Ion Ratio Lower Upper
78 100
77 23.5 18.6 28.0
50 18.2 15.6 23.4





#37

1,2-Dichloroethane

Concen: 8.996 ppbv

RT: 6.29 Instrument: MSVOA_1

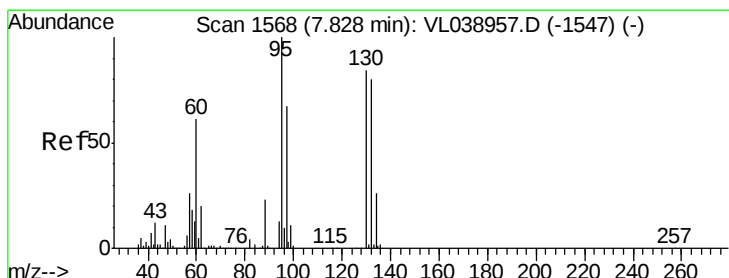
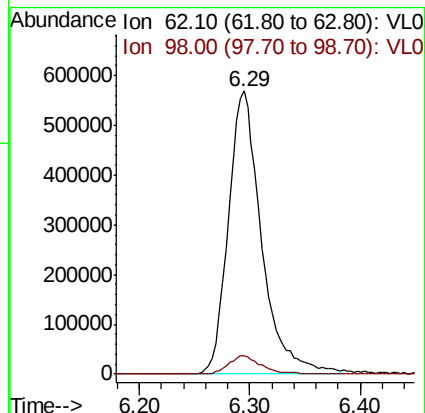
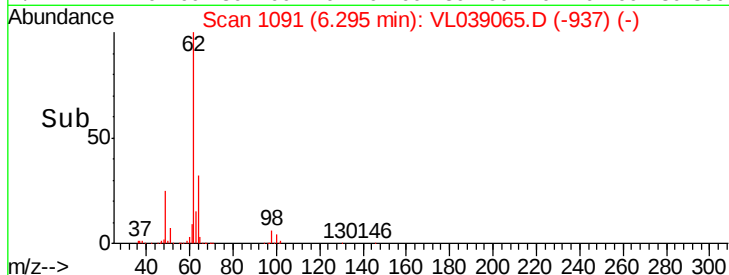
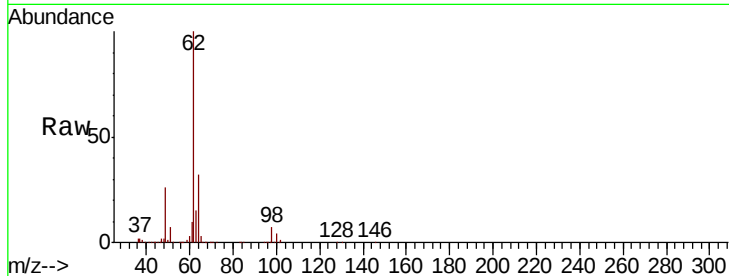
Delta R.T.

Lab File: ClientSampleId:

Acq: 14 May 2022 9:54

Tot Ion: 62 Resp: 1184693

Ion	Ratio	Lower	Upper
62	100		
98	6.8	4.5	6.7#



#38

Trichloroethene

Concen: 8.827 ppbv

RT: 7.82 min Scan# 1566

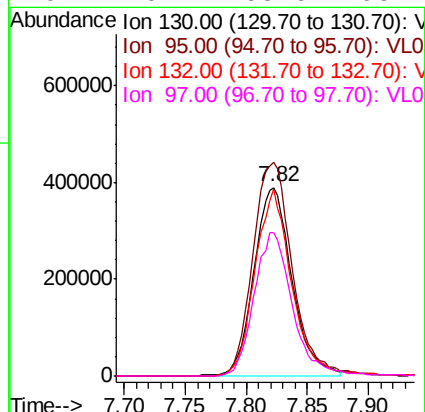
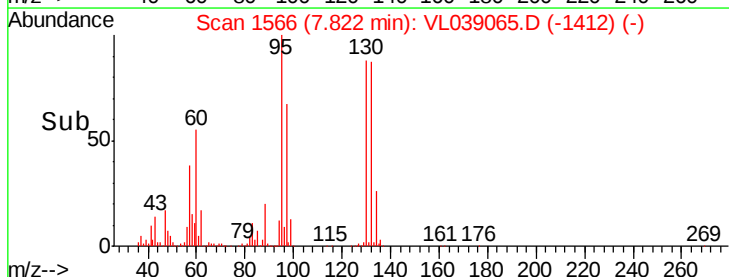
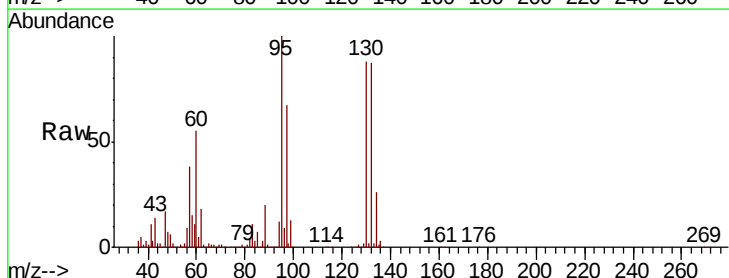
Delta R.T. -0.01 min

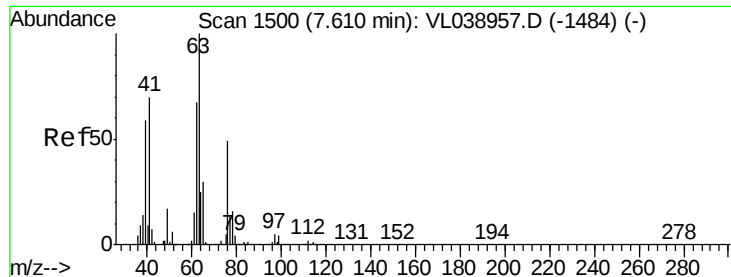
Lab File: VL039065.D

Acq: 14 May 2022 9:54

Tgt Ion: 130 Resp: 835263

Ion	Ratio	Lower	Upper
130	100		
95	113.6	94.8	142.2
132	99.1	75.8	113.8
97	76.1	63.6	95.4





#39

1,2-Dichloropropane

Concen: 10.092 ppbv

RT: 7.60 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 May 2022 9:54 VSTDCCC010EC

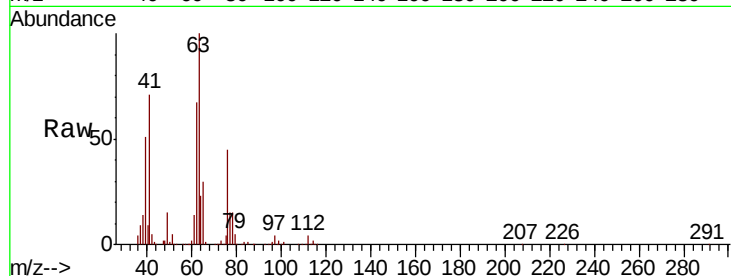
Tot Ion: 63 Resp: 835850

Ion Ratio Lower Upper

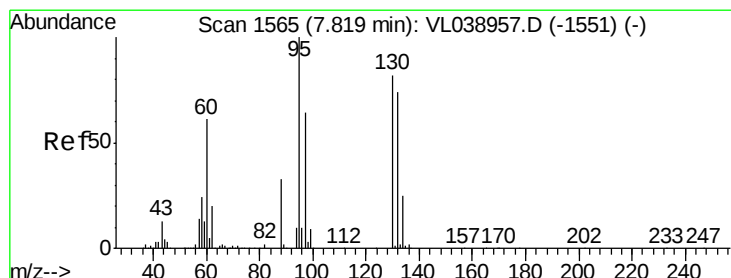
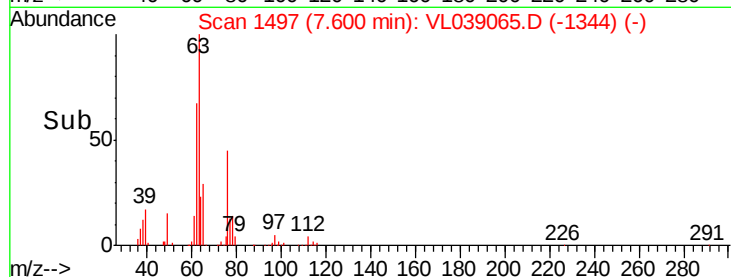
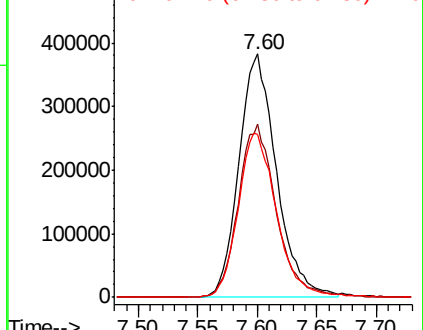
63 100

41 71.0 55.9 83.9

62 66.8 53.8 80.6



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: 7.521 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VL039065.D

Acq: 14 May 2022 9:54

Tgt Ion: 88 Resp: 223724

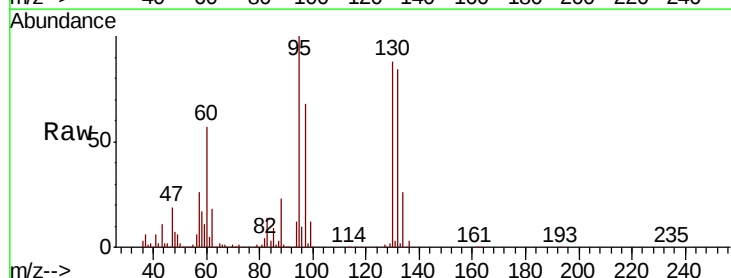
Ion Ratio Lower Upper

88 100

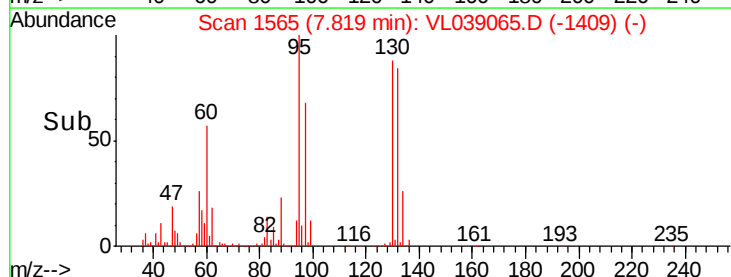
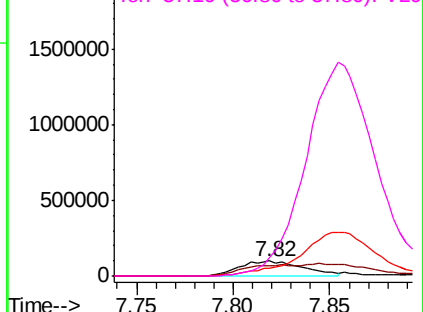
58 0.0 106.1 159.1#

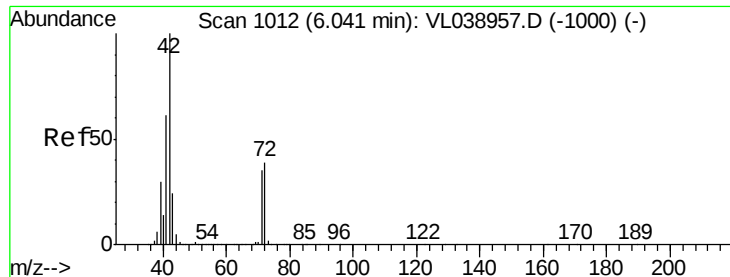
43 0.0 222.9 334.3#

57 0.0 957.6 1436.4#



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: 10.294 ppbv

RT: 6.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDCCC010EC

Acq: 14 May 2022 9:54

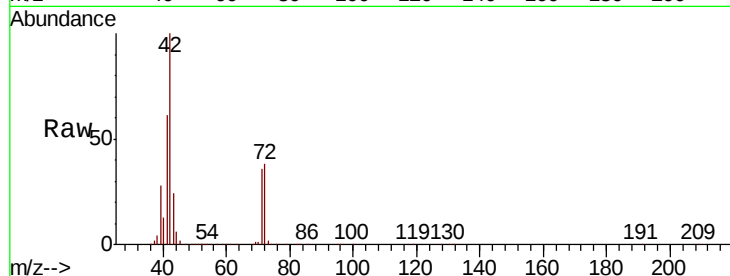
Tot Ion: 42 Resp: 877903

Ion Ratio Lower Upper

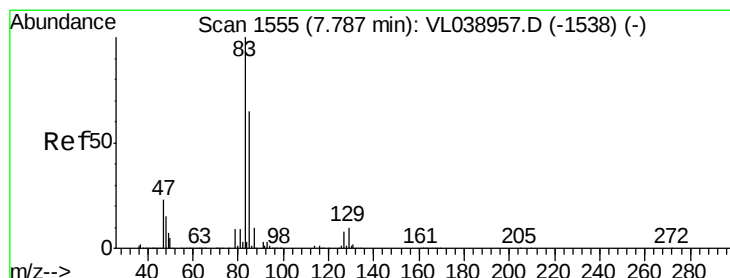
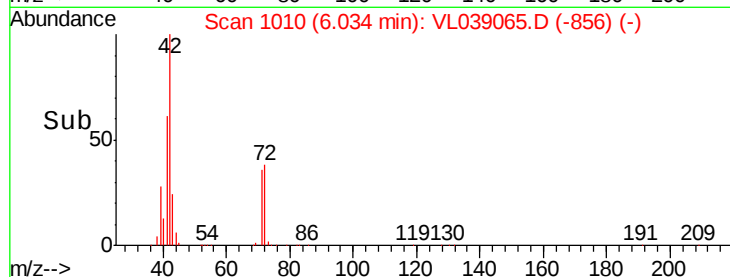
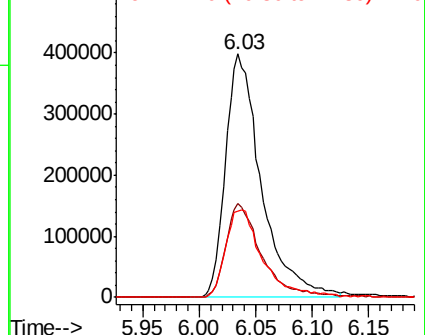
42 100

72 39.0 31.8 47.6

71 37.9 30.6 45.8



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: 9.511 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VL039065.D

Acq: 14 May 2022 9:54

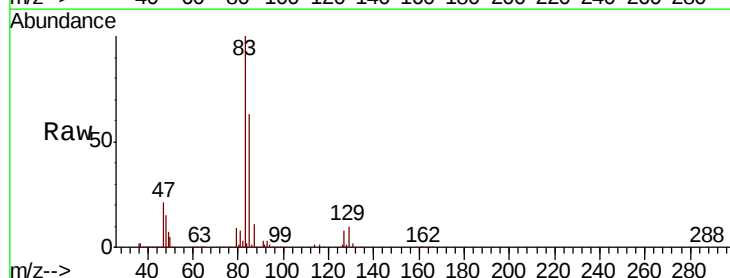
Tgt Ion: 83 Resp: 1712507

Ion Ratio Lower Upper

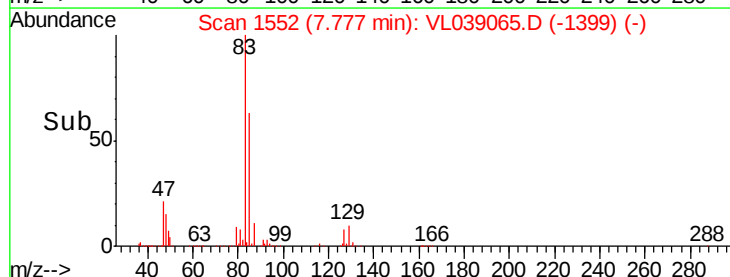
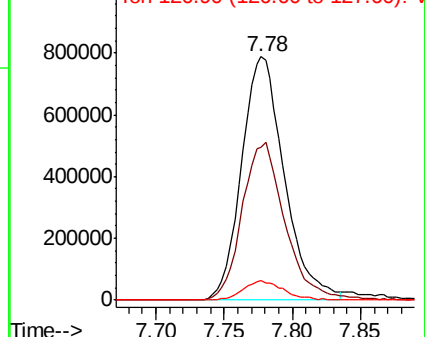
83 100

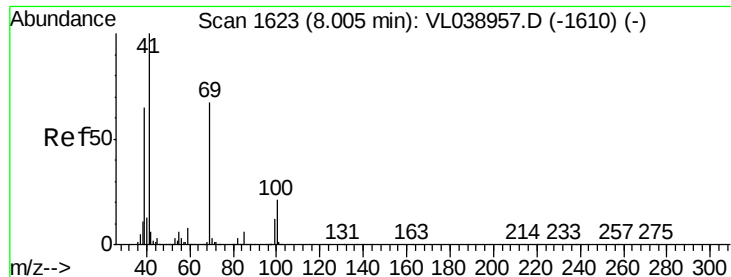
85 63.0 52.0 78.0

127 7.8 6.0 9.0



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: 10.669 ppbv

RT: 8.00

Instrument: MSVOA_1

Delta R.T.:

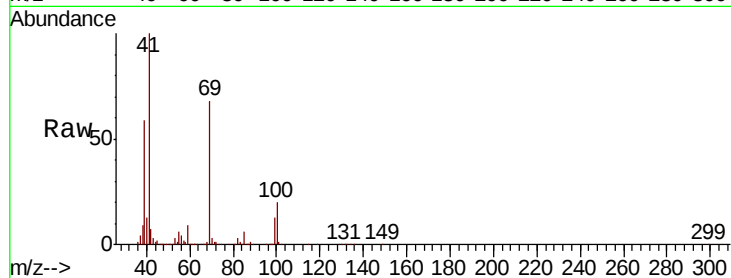
Client Sample Id:

Lab File: VSTDCCC010EC

Acq: 14 May 2022 9:54

Tot Ion: 69 Resp: 921892

Ion	Ratio	Lower	Upper
69	100		
41	150.1	121.9	182.9
100	31.5	24.6	36.8

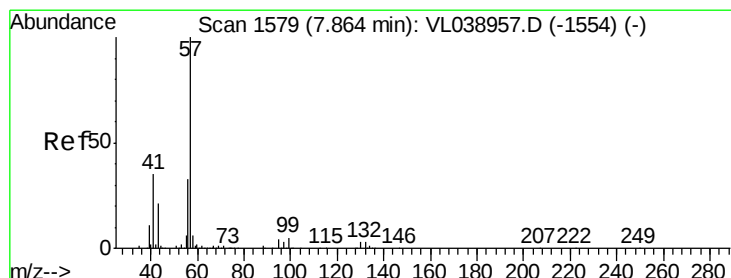
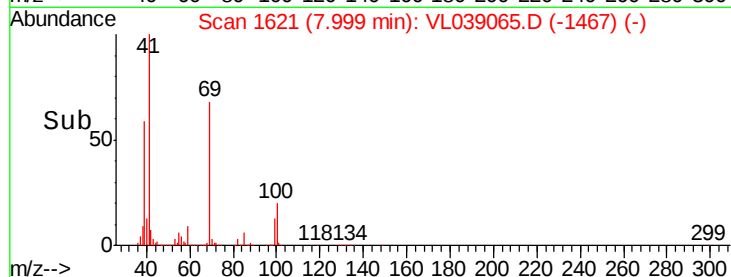
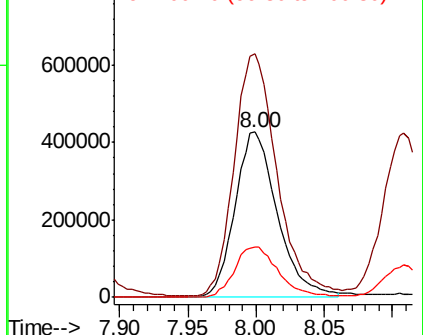


Abundance

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: 9.714 ppbv

RT: 7.85 min Scan# 1576

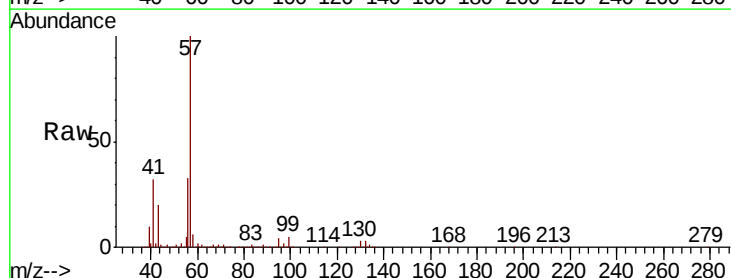
Delta R.T. -0.01 min

Lab File: VL039065.D

Acq: 14 May 2022 9:54

Tgt Ion: 57 Resp: 3628228

Ion	Ratio	Lower	Upper
57	100		
41	31.8	26.3	39.5
56	31.1	24.6	37.0

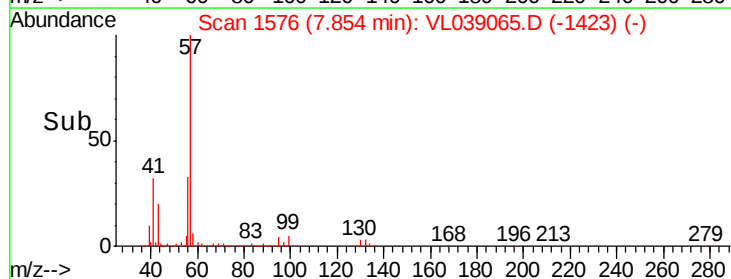
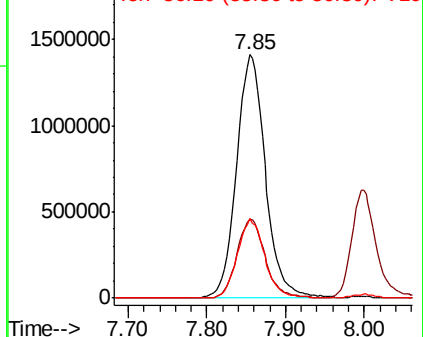


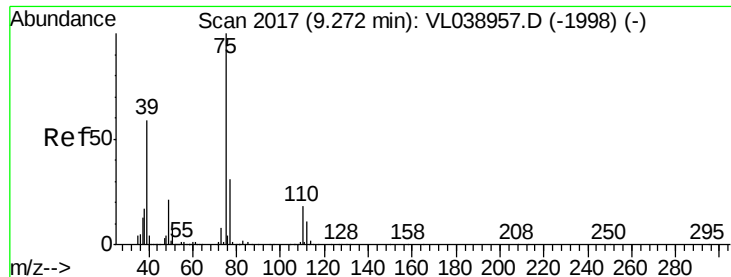
Abundance

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: 8.321 ppbv

RT: 9.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

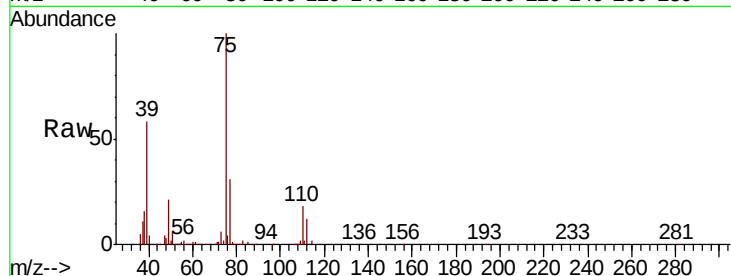
Acq: 14 May 2022 9:54 VSTDCCC010EC

Tot Ion: 75 Resp: 695978

Ion Ratio Lower Upper

75 100

77 31.3 24.6 37.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.26

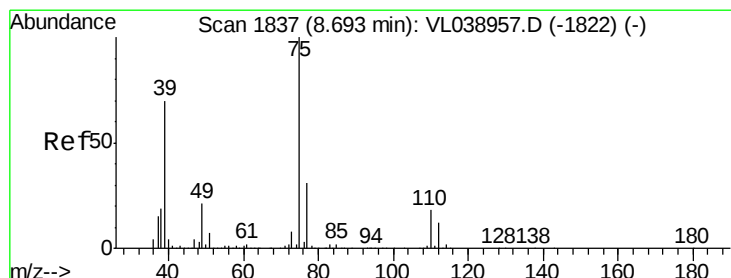
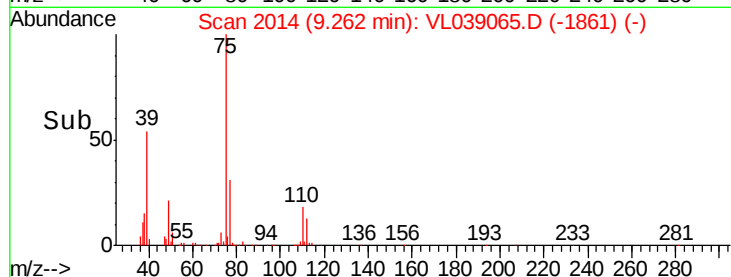
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 8.719 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. -0.01 min

Lab File: VL039065.D

Acq: 14 May 2022 9:54

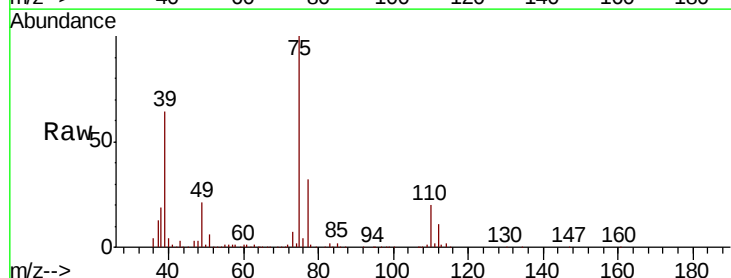
Tgt Ion: 75 Resp: 967102

Ion Ratio Lower Upper

75 100

39 64.1 55.8 83.6

77 31.9 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

600000

500000

400000

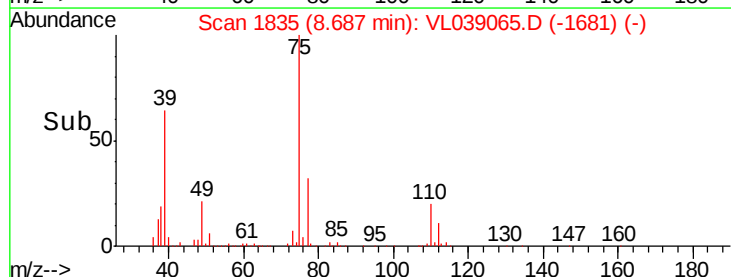
300000

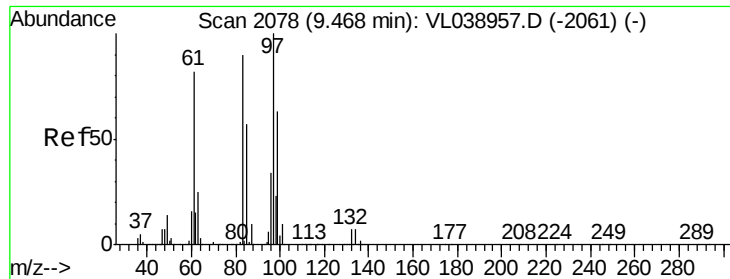
200000

100000

0

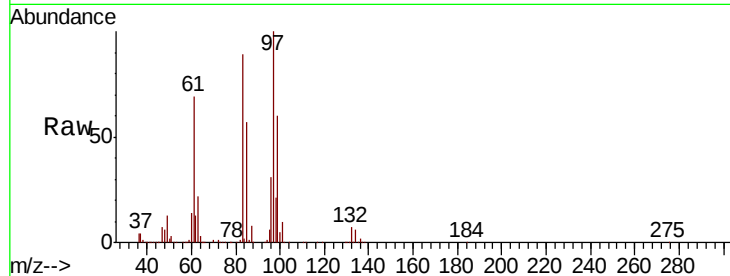
Time-->



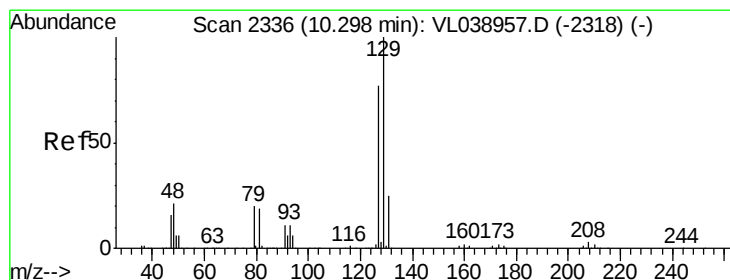
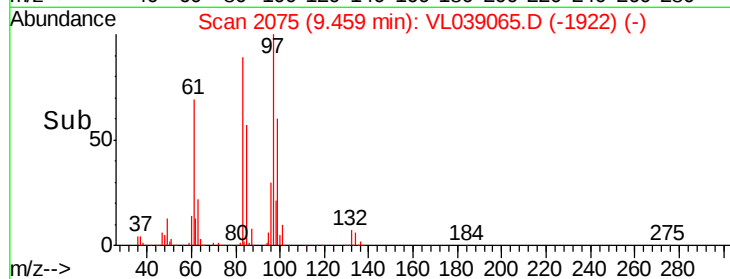
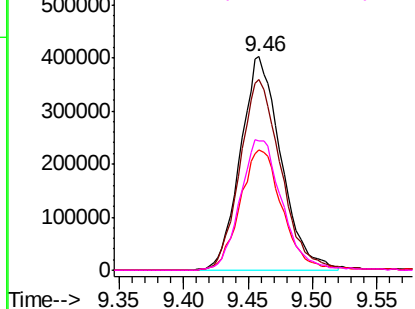


#47
 1,1,2-Trichloroethane
 Concen: 10.234 ppbv
 RT: 9.46
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 14 May 2022 9:54

Tot Ion: 97 Resp: 881543
 Ion Ratio Lower Upper
 97 100
 83 89.2 72.0 108.0
 85 56.6 45.7 68.5
 99 60.4 50.2 75.4

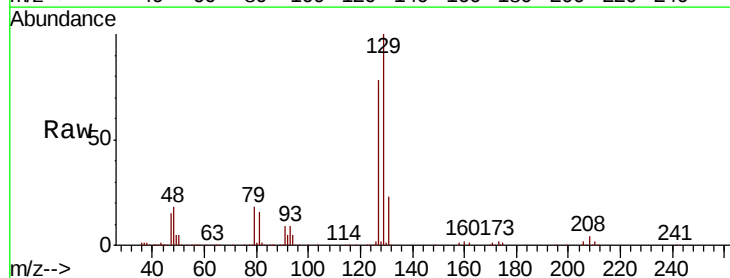


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

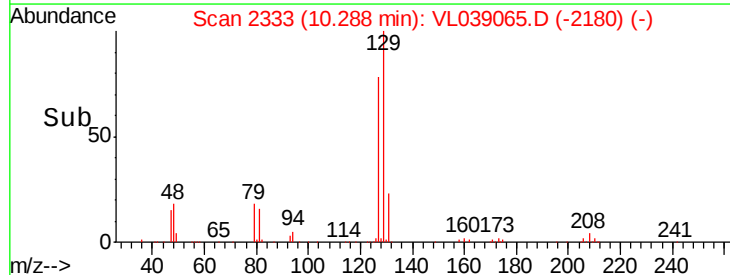
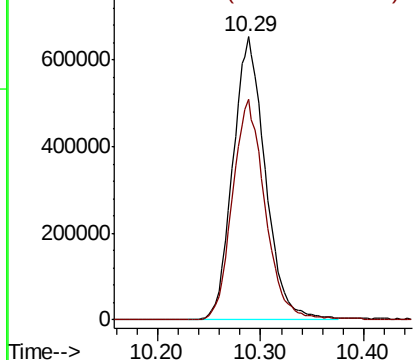


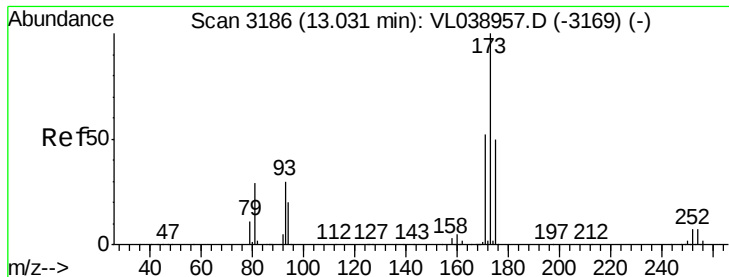
#48
 Dibromochloromethane
 Concen: 10.212 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. -0.01 min
 Lab File: VL039065.D
 Acq: 14 May 2022 9:54

Tgt Ion: 129 Resp: 1431664
 Ion Ratio Lower Upper
 129 100
 127 78.7 39.3 117.9



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





#49

Bromoform

Concen: 10.550 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 May 2022 9:54

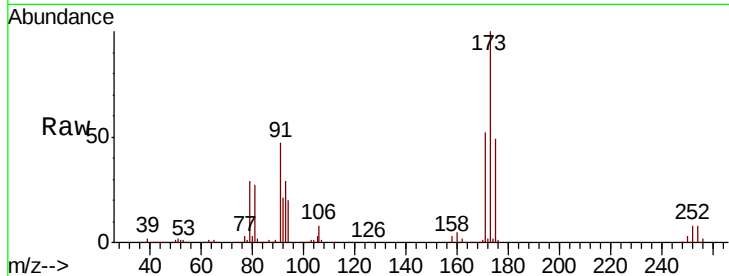
Tot Ion:173 Resp: 1128016

Ion Ratio Lower Upper

173 100

175 50.5 41.0 61.6

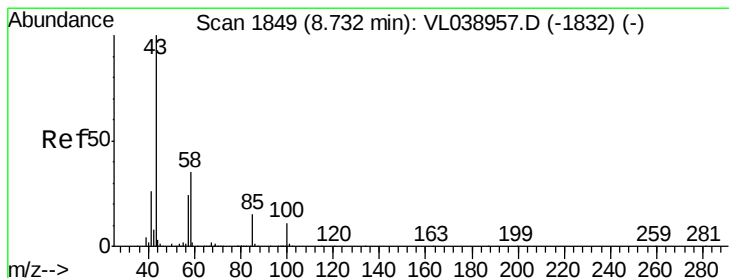
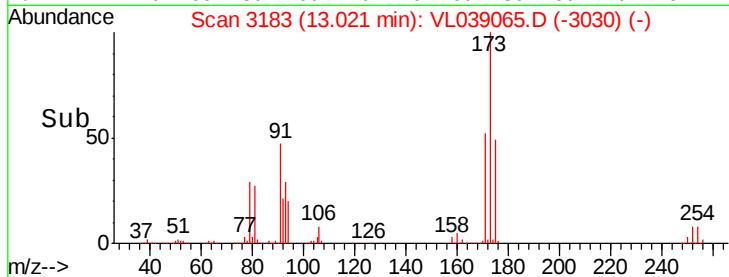
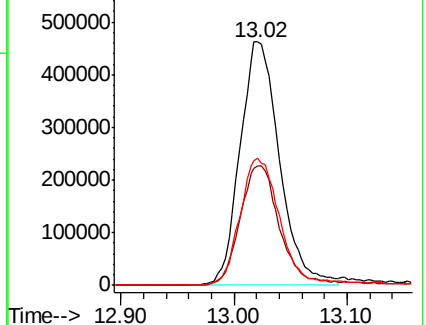
171 52.9 42.6 64.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.809 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VL039065.D

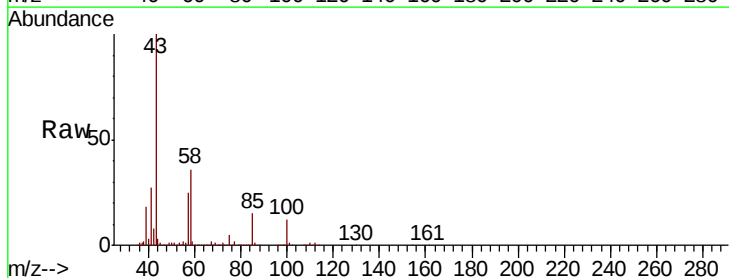
Acq: 14 May 2022 9:54

Tgt Ion: 43 Resp: 2182613

Ion Ratio Lower Upper

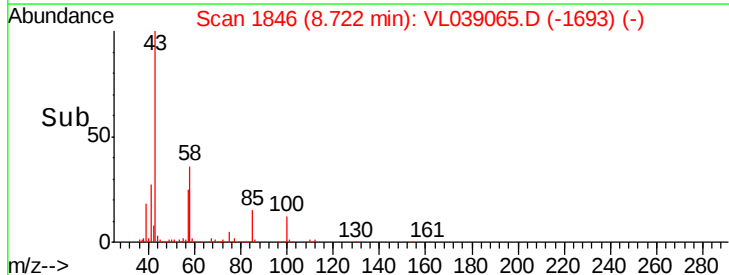
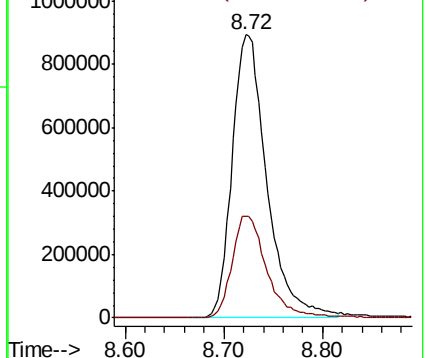
43 100

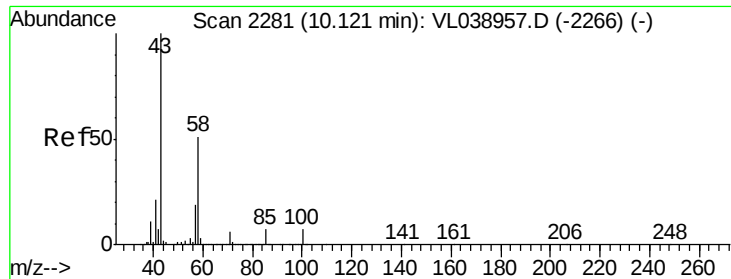
58 36.5 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

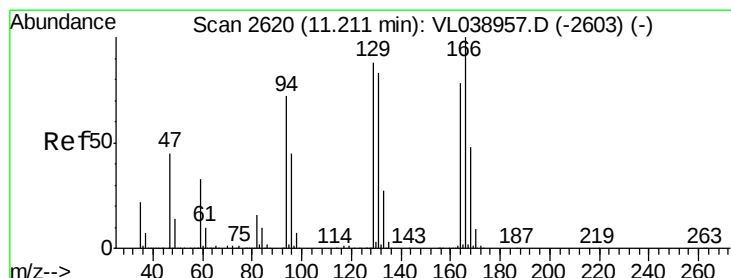
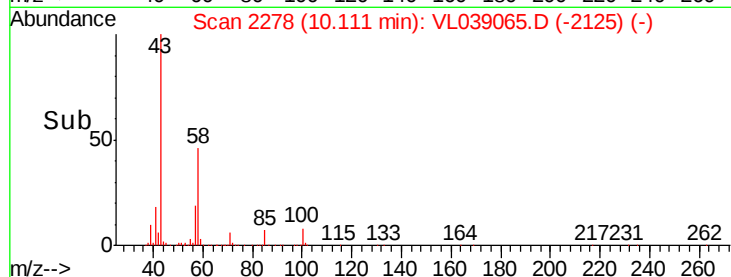
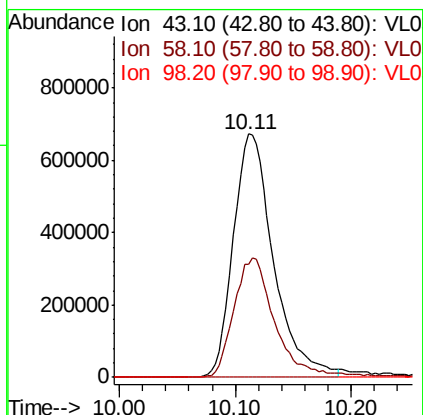
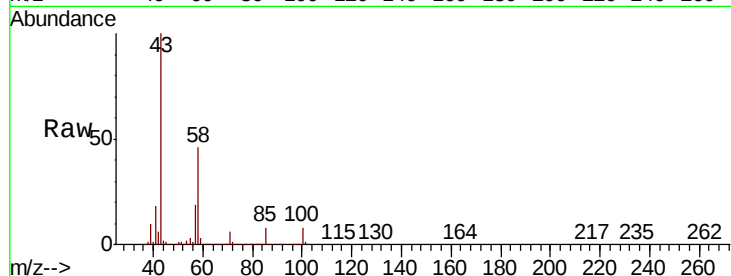
Ion 58.10 (57.80 to 58.80): VL0





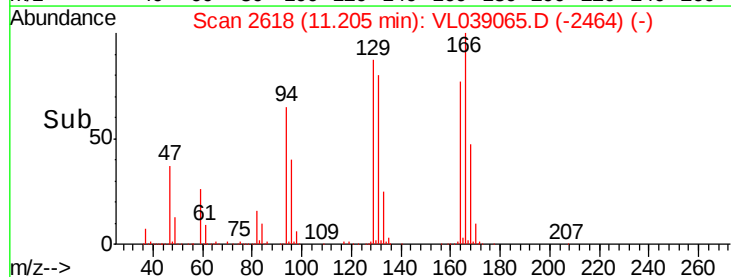
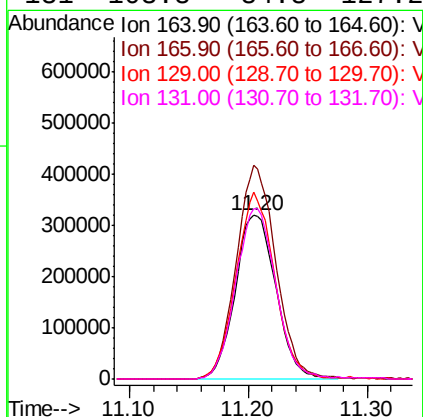
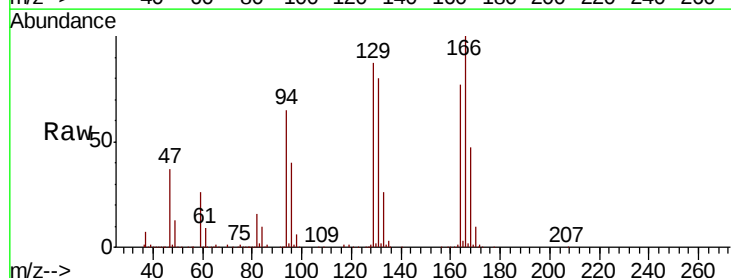
#51
2-Hexanone
Concen: 9.945 ppbv
RT: 10.11 min
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 14 May 2022 9:54

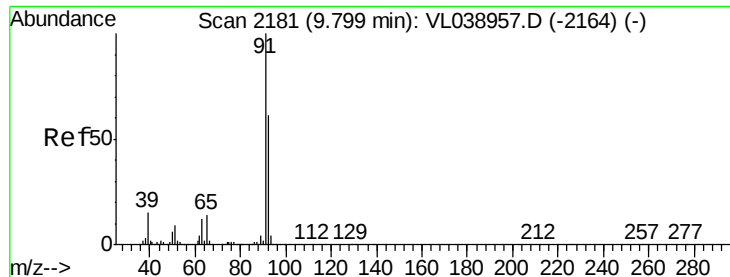
Tot Ion: 43 Resp: 1615072
Ion Ratio Lower Upper
43 100
58 51.0 39.3 58.9
98 0.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.937 ppbv
RT: 11.20 min Scan# 2618
Delta R.T.: -0.01 min
Lab File: VL039065.D
Acq: 14 May 2022 9:54

Tgt Ion: 164 Resp: 755804
Ion Ratio Lower Upper
164 100
166 130.4 102.5 153.7
129 113.8 90.1 135.1
131 103.8 84.8 127.2





#53

Toluene

Concen: 10.595 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

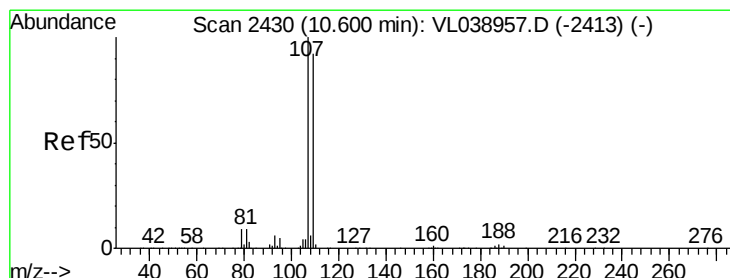
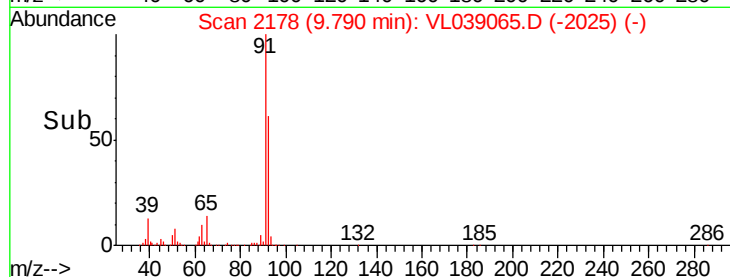
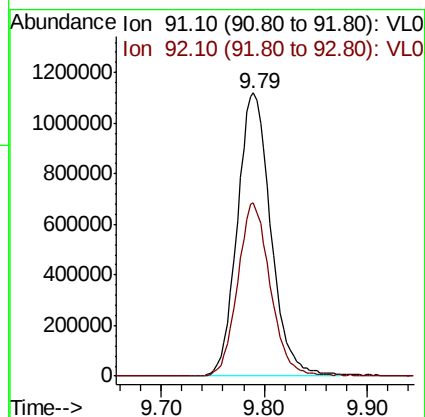
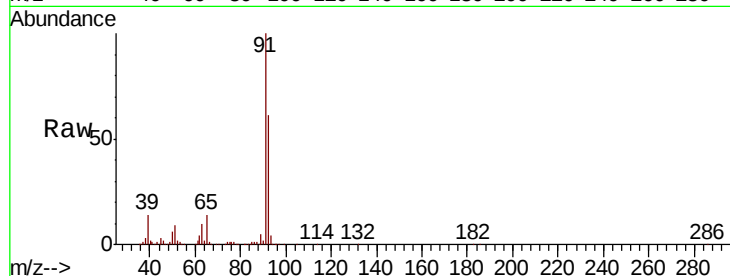
Acq: 14 May 2022 9:54

Tot Ion: 91 Resp: 2527571

Ion Ratio Lower Upper

91 100

92 60.3 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.757 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. -0.01 min

Lab File: VL039065.D

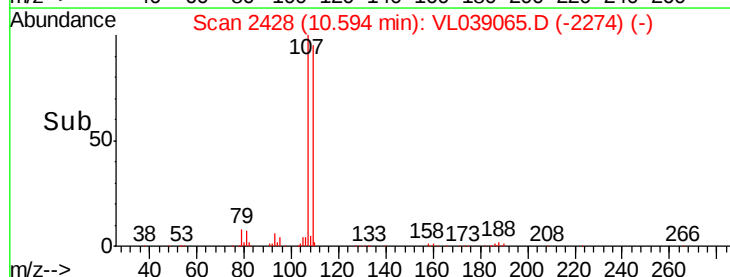
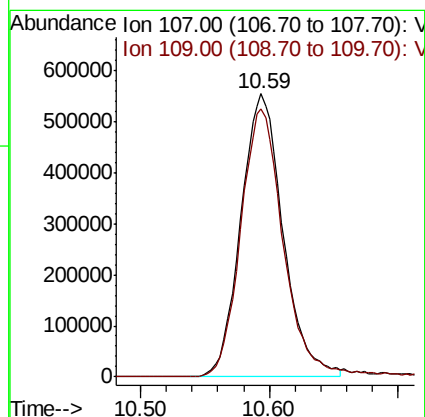
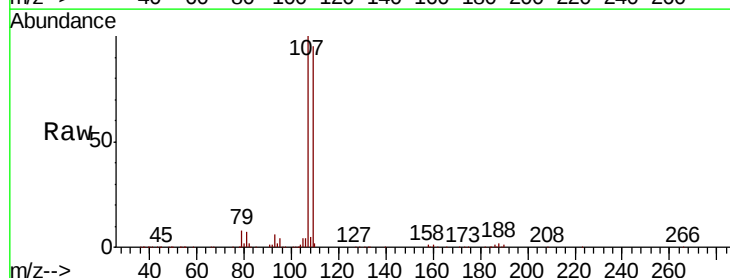
Acq: 14 May 2022 9:54

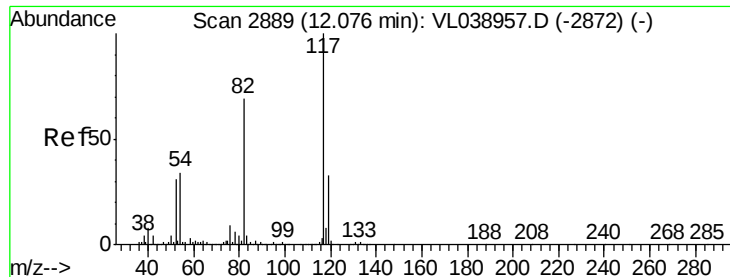
Tgt Ion: 107 Resp: 1261454

Ion Ratio Lower Upper

107 100

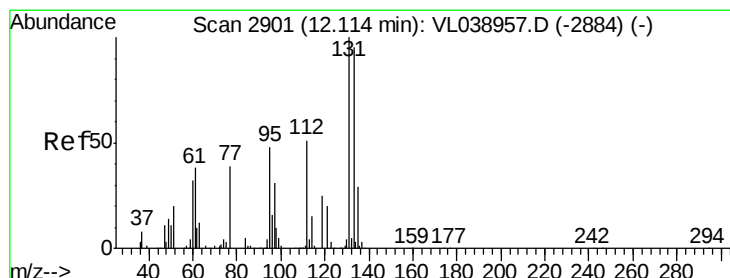
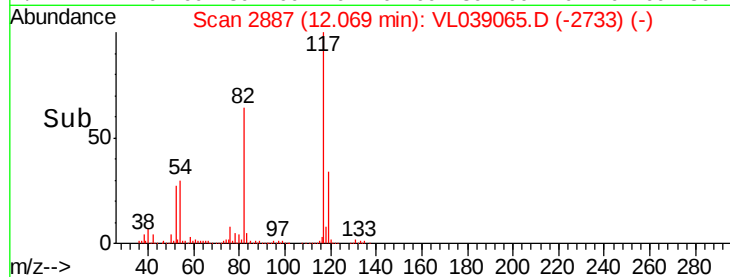
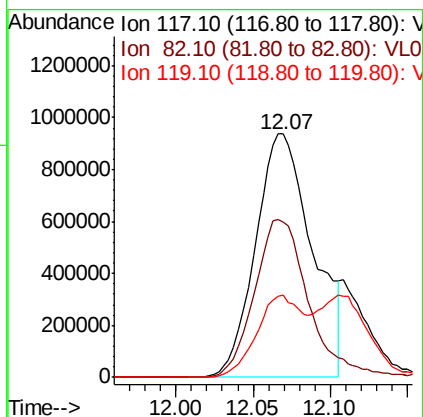
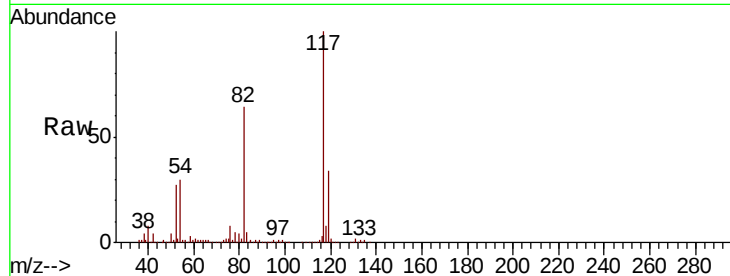
109 94.6 73.8 110.8





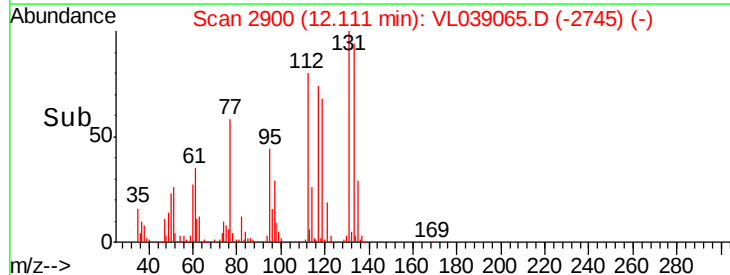
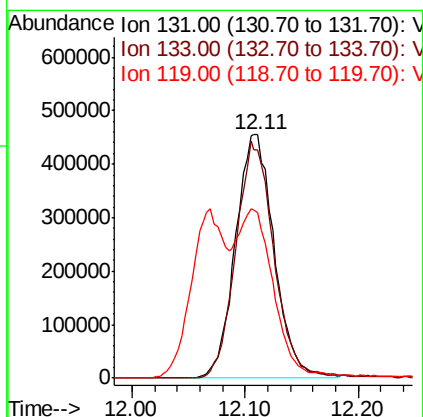
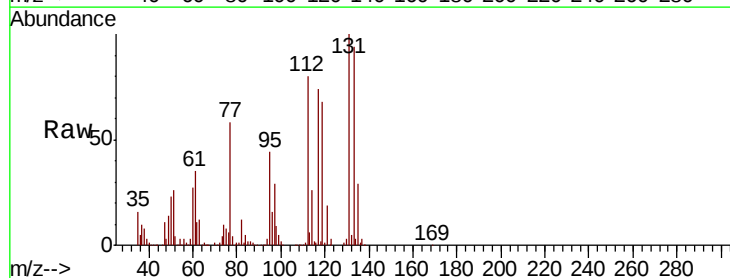
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
ClientSampleId:
Lab File: VSTDCCC010EC
Acq: 14 May 2022 9:54

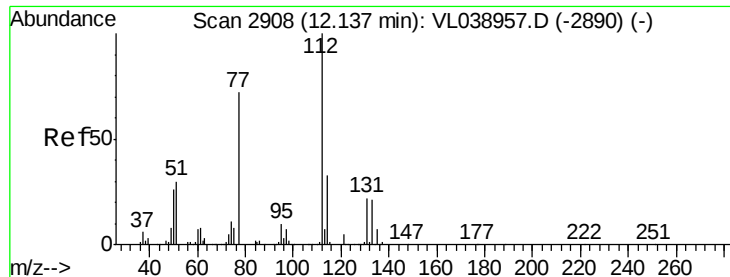
Tot Ion:117 Resp: 2409213
Ion Ratio Lower Upper
117 100
82 63.0 57.0 85.6
119 25.4 27.2 40.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 10.239 ppbv
RT: 12.11 min Scan# 2900
Delta R.T.: -0.00 min
Lab File: VL039065.D
Acq: 14 May 2022 9:54

Tgt Ion:131 Resp: 1082364
Ion Ratio Lower Upper
131 100
133 97.0 76.9 115.3
119 73.7 47.4 71.0#

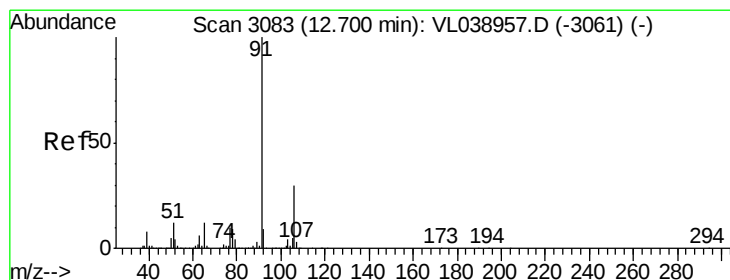
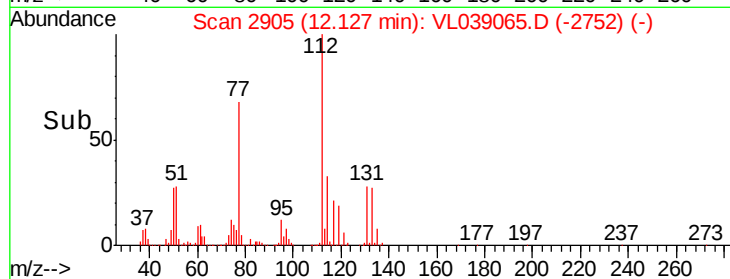
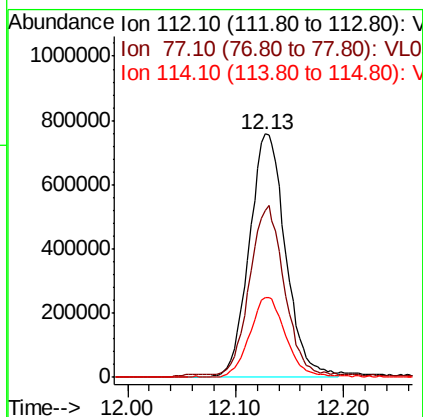
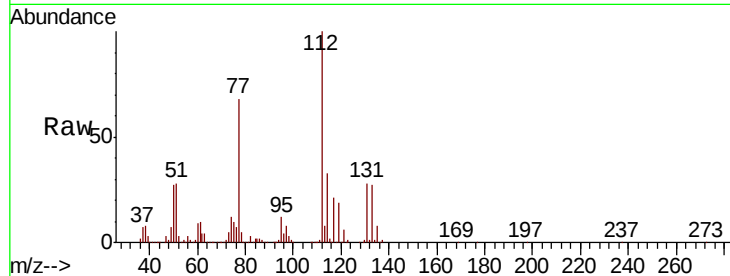




#57
Chlorobenzene
Concen: 9.816 ppbv
RT: 12.13 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 14 May 2022 9:54

Tot Ion:112 Resp: 1772742

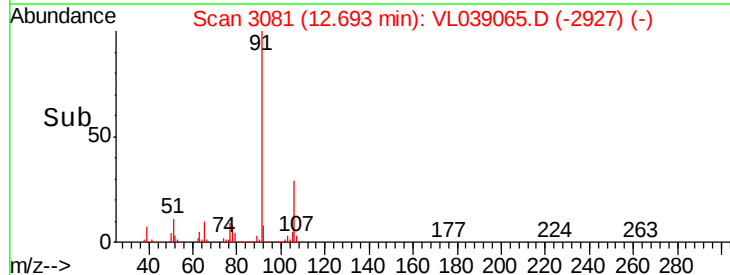
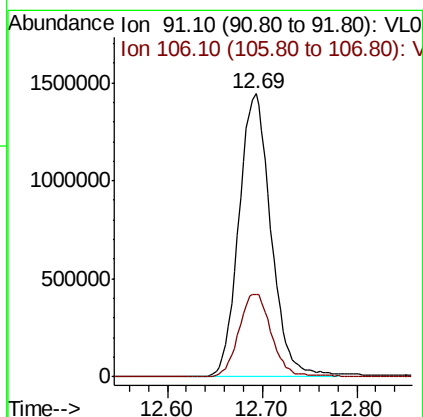
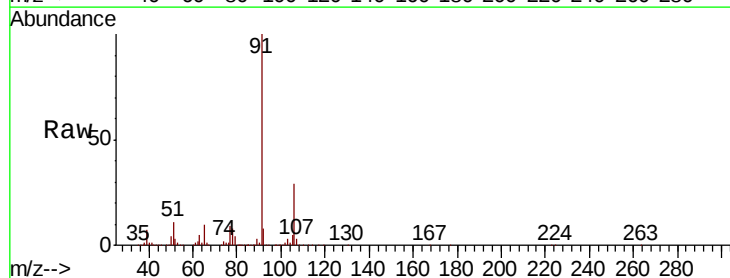
Ion	Ratio	Lower	Upper
112	100		
77	67.2	57.7	86.5
114	32.6	30.1	36.7

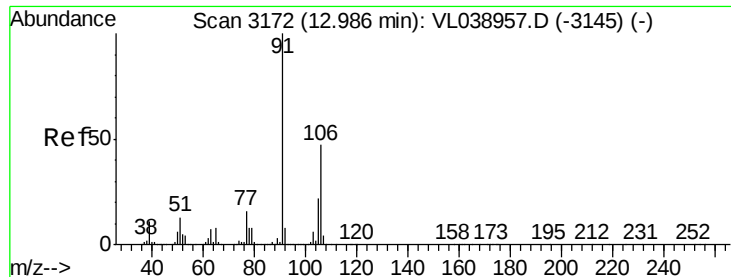


#58
Ethyl Benzene
Concen: 9.833 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. -0.01 min
Lab File: VL039065.D
Acq: 14 May 2022 9:54

Tgt Ion: 91 Resp: 3409106

Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.2	36.4





#59

m/p-Xylene

Concen: 9.762 ppbv

RT: 12.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

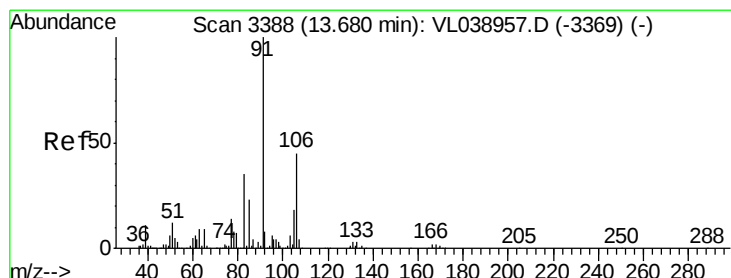
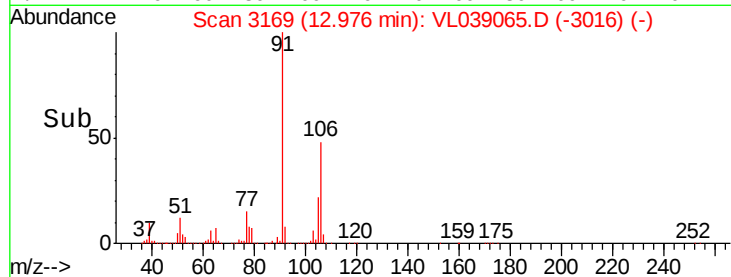
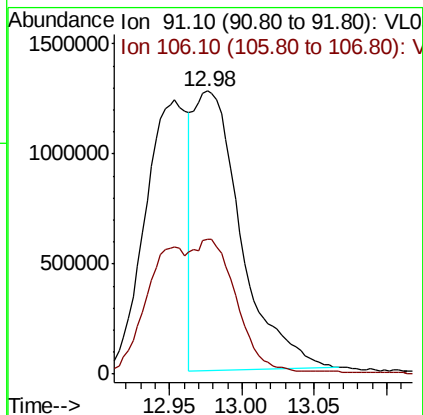
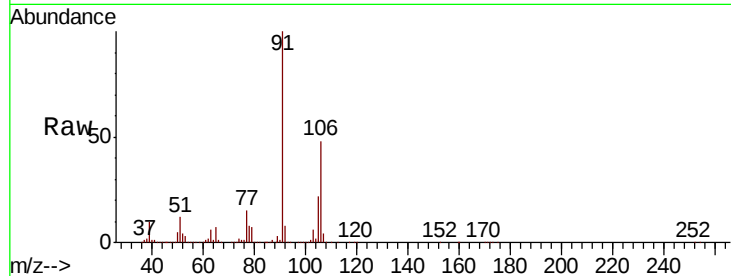
Acq: 14 May 2022 9:54

Tot Ion: 91 Resp: 2889354

Ion Ratio Lower Upper

91 100

106 86.3 34.6 52.0#



#60

o-Xylene

Concen: 9.512 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. -0.01 min

Lab File: VL039065.D

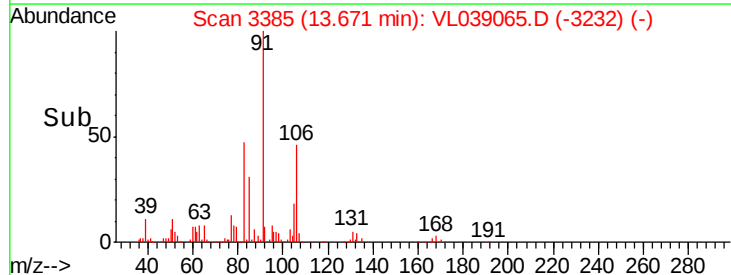
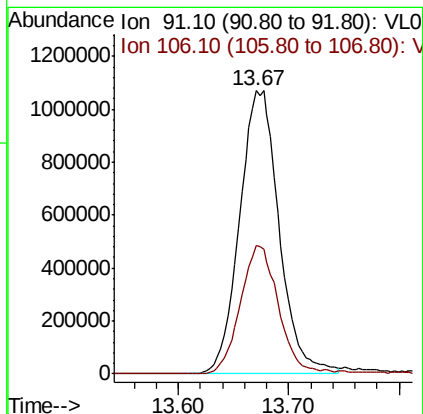
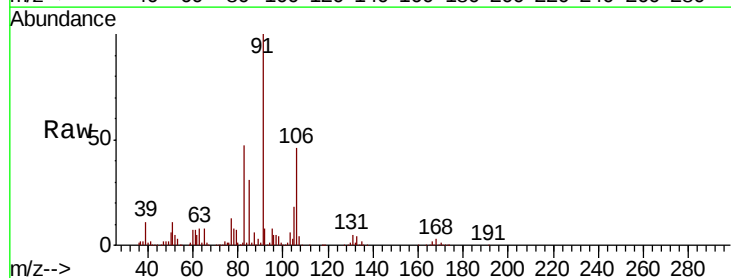
Acq: 14 May 2022 9:54

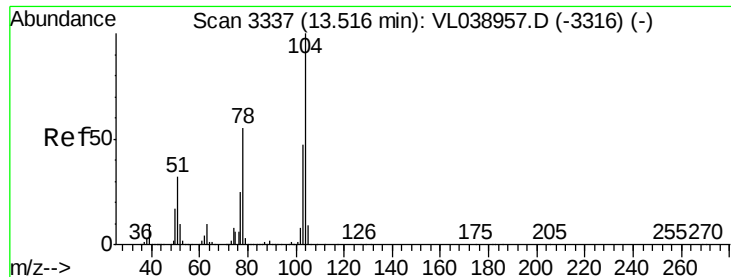
Tgt Ion: 91 Resp: 2650046

Ion Ratio Lower Upper

91 100

106 45.1 22.2 66.6





#61

Stvrene

Concen: 10.374 ppbv

RT: 13.51

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDCCC010EC

Acq: 14 May 2022 9:54

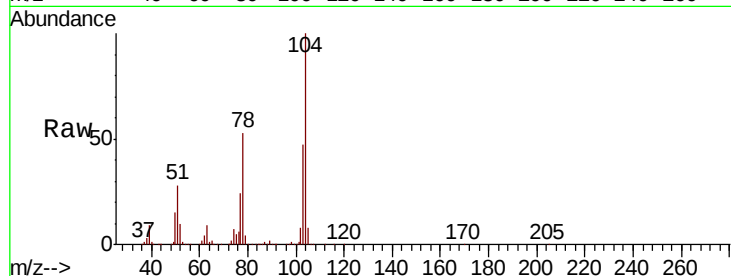
Tot Ion:104 Resp: 1542899

Ion Ratio Lower Upper

104 100

78 52.8 46.4 69.6

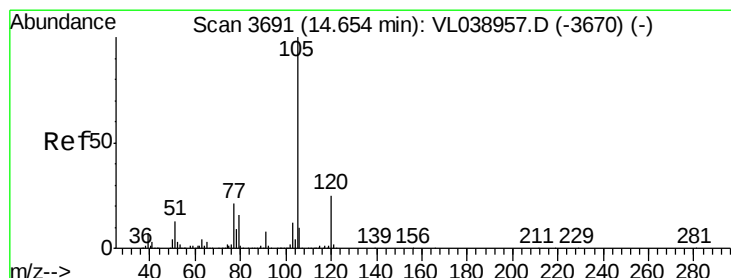
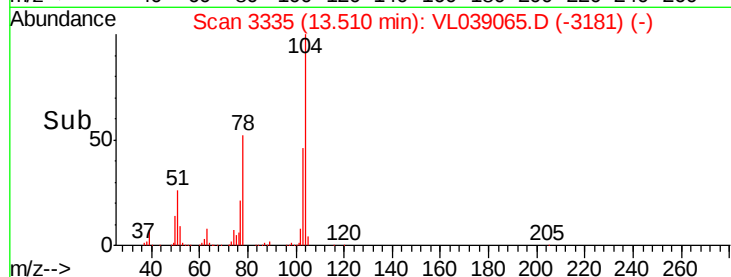
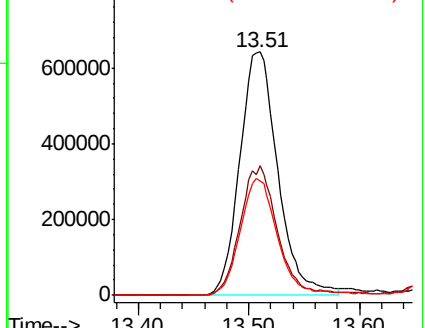
103 47.4 39.3 58.9



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: 9.771 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. -0.01 min

Lab File: VL039065.D

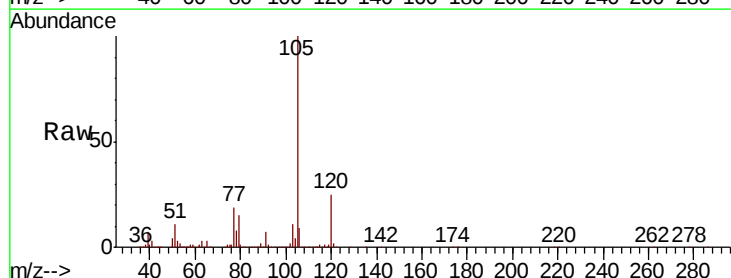
Acq: 14 May 2022 9:54

Tgt Ion:105 Resp: 3980551

Ion Ratio Lower Upper

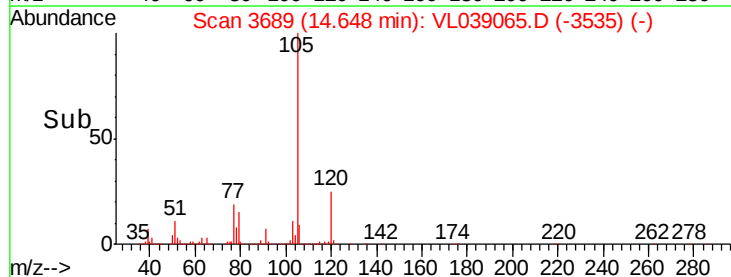
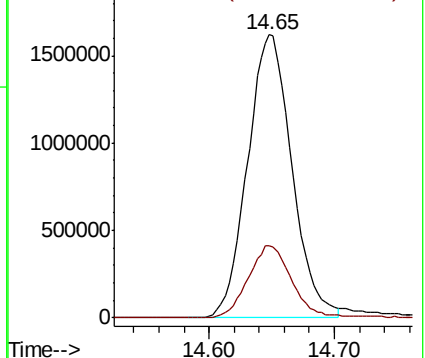
105 100

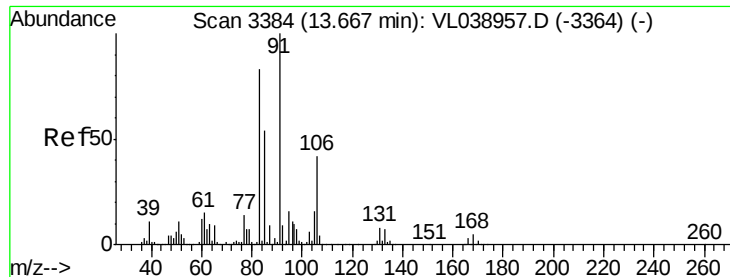
120 25.8 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

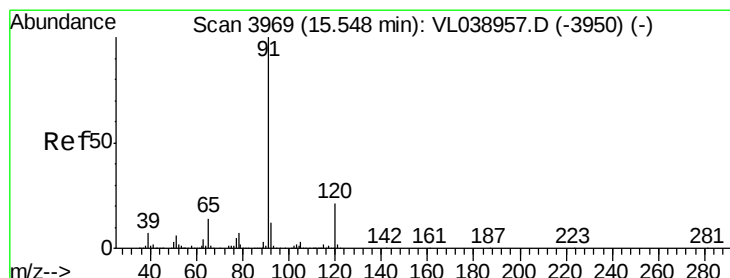
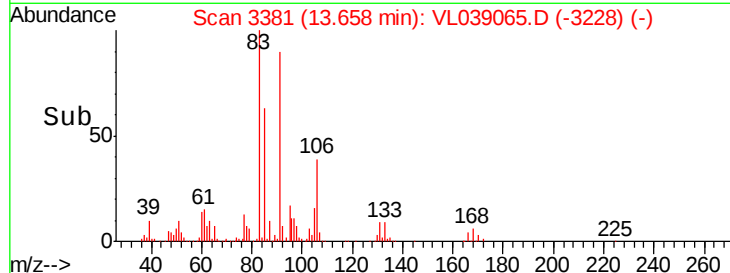
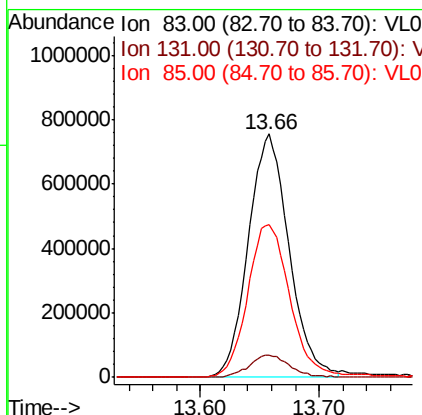
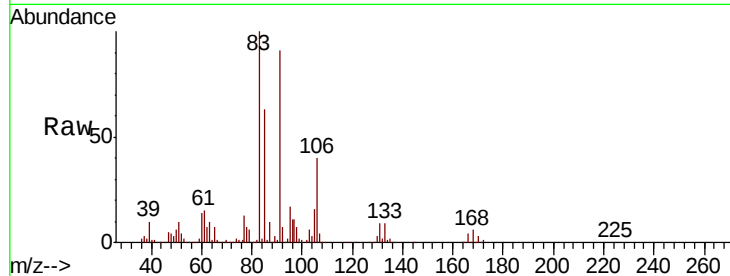
Ion 120.20 (119.90 to 120.90): V





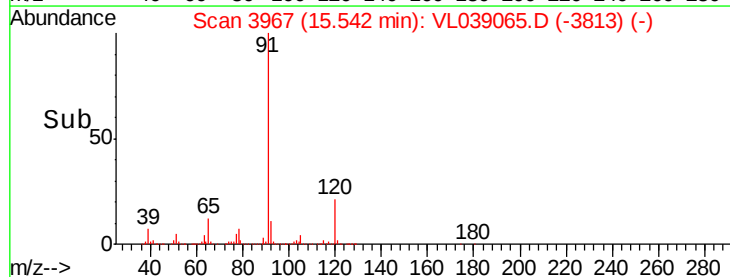
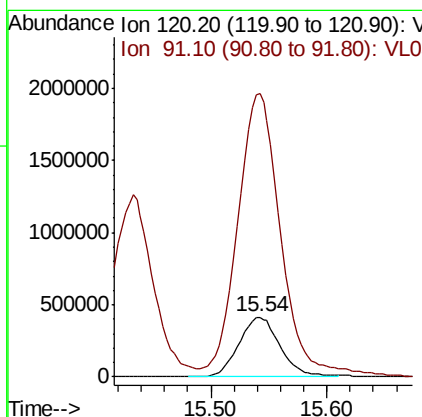
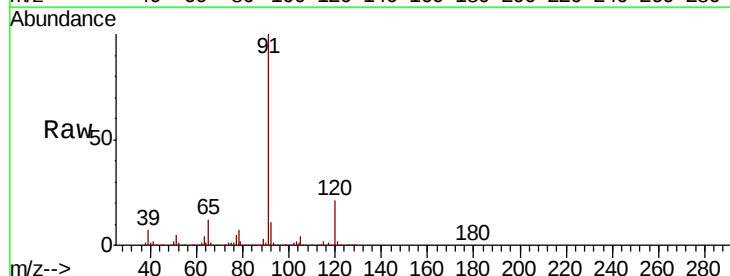
#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.895 ppbv
 RT: 13.66 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 14 May 2022 9:54

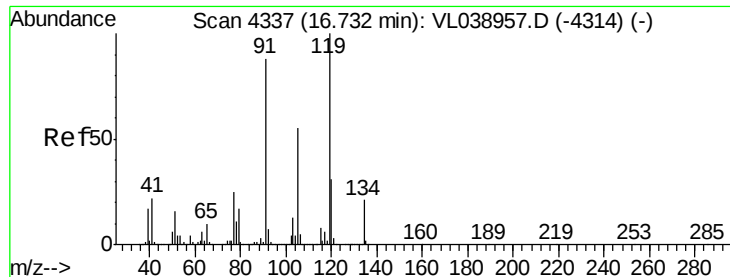
Tot Ion: 83 Resp: 1787142
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.5 13.7
 85 66.7 32.8 98.3



#64
 n-propylbenzene
 Concen: 10.374 ppbv
 RT: 15.54 min Scan# 3967
 Delta R.T. -0.01 min
 Lab File: VL039065.D
 Acq: 14 May 2022 9:54

Tgt Ion: 120 Resp: 1021802
 Ion Ratio Lower Upper
 120 100
 91 499.7 400.6 601.0

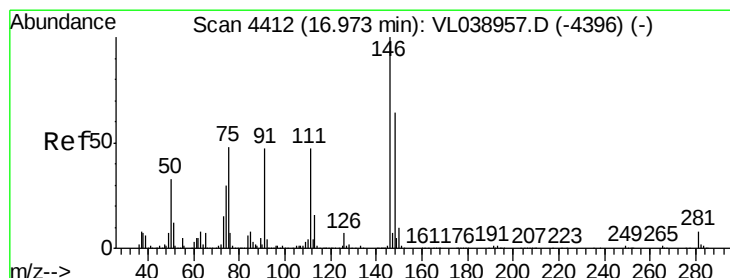
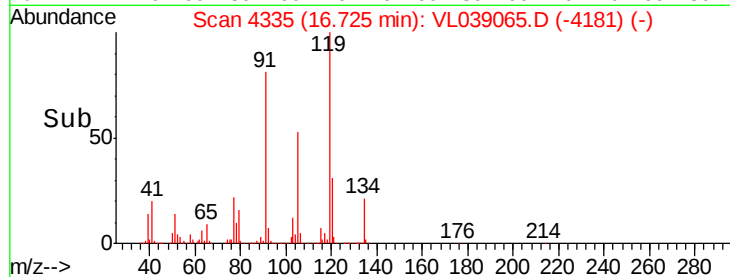
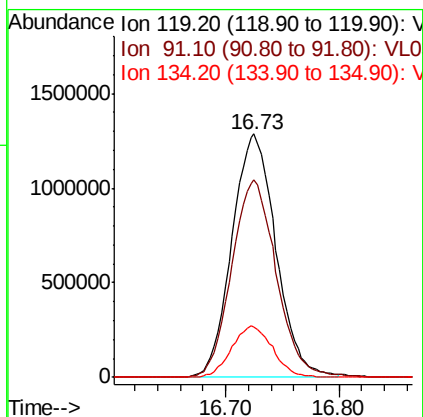
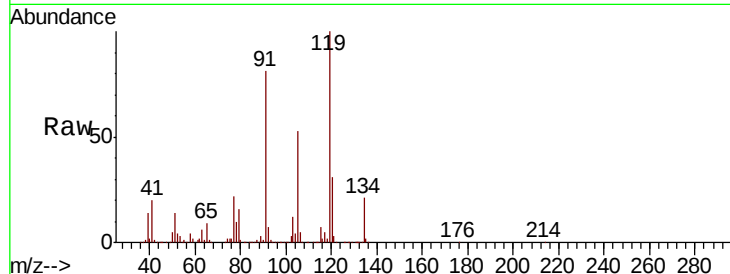




#65
tert-Butylbenzene
Concen: 9.686 ppbv
RT: 16.73 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 14 May 2022 9:54

Tot Ion: 119 Resp: 3457349

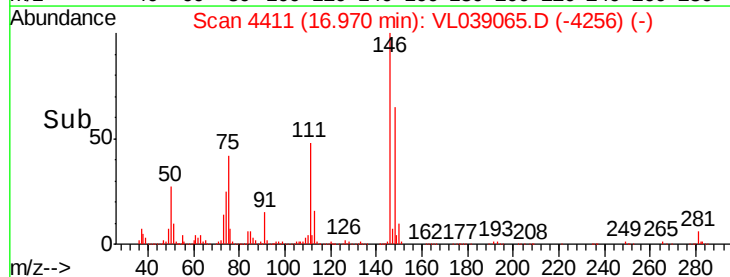
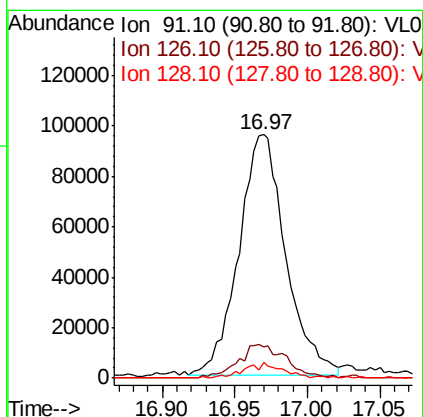
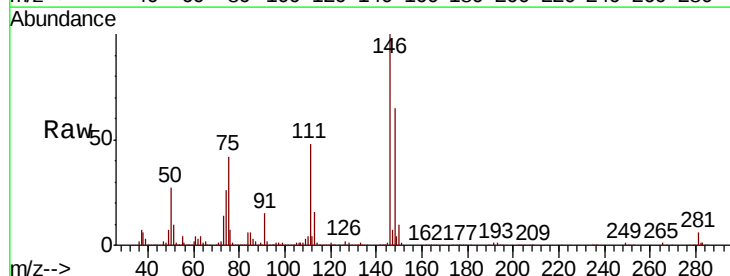
Ion	Ratio	Lower	Upper
119	100		
91	82.7	69.4	104.2
134	20.0	15.8	23.8

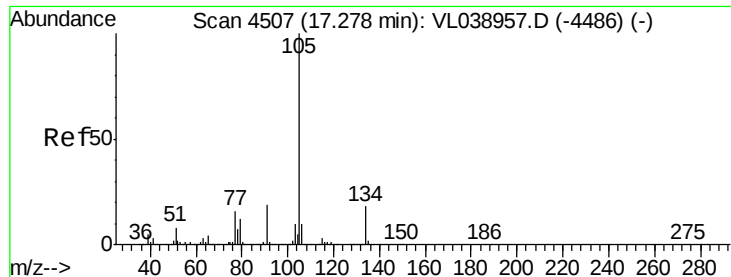


#66
Benzyl Chloride
Concen: 4.622 ppbv
RT: 16.97 min Scan# 4411
Delta R.T.: -0.00 min
Lab File: VL039065.D
Acq: 14 May 2022 9:54

Tgt Ion: 91 Resp: 215644

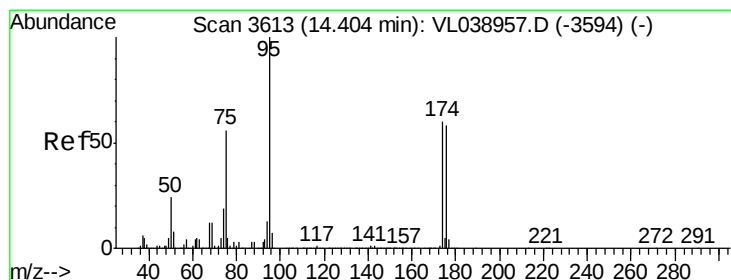
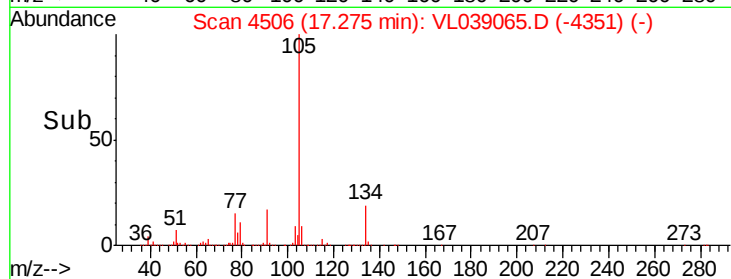
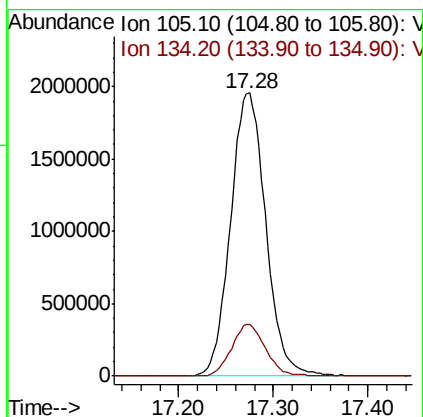
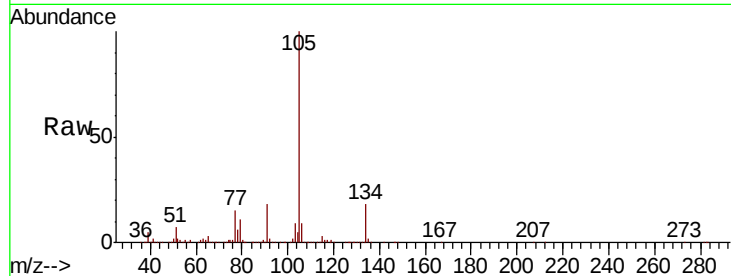
Ion	Ratio	Lower	Upper
91	100		
126	14.7	11.8	17.6
128	5.6	4.2	6.2





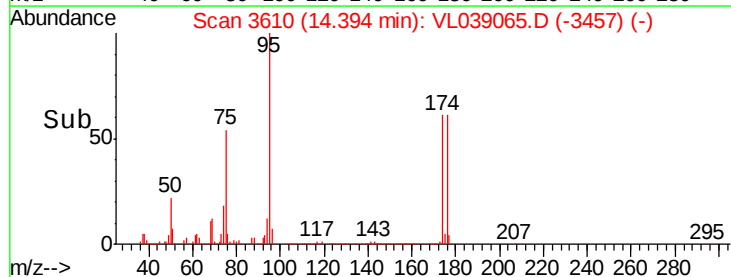
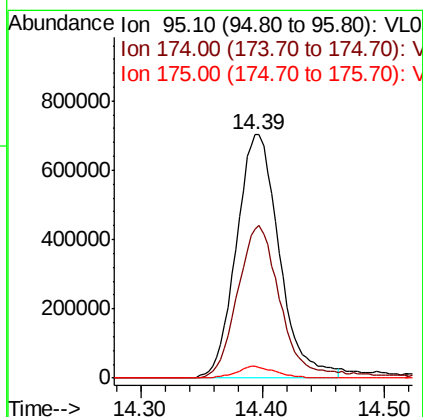
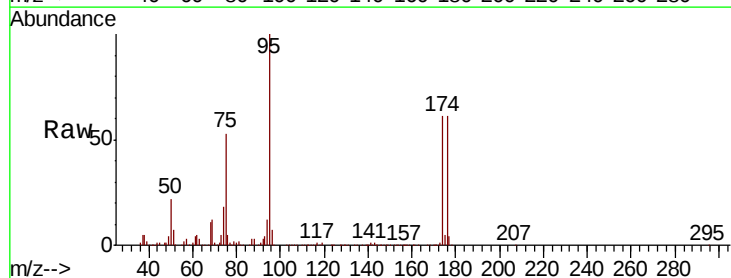
#67
 sec-Butylbenzene
 Concen: 9.888 ppbv
 RT: 17.28
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample Id:
 Lab File: VSTDCCC010EC
 Acq: 14 May 2022 9:54

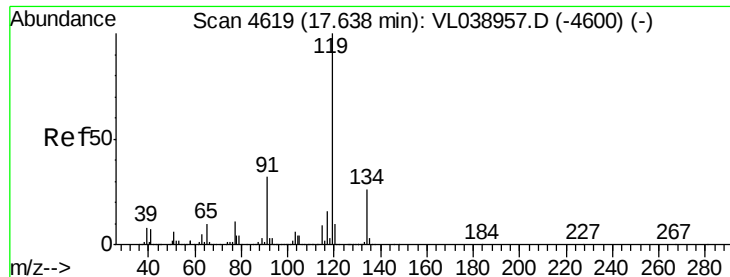
Tot Ion: 105 Resp: 5042695
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.960 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. -0.01 min
 Lab File: VL039065.D
 Acq: 14 May 2022 9:54

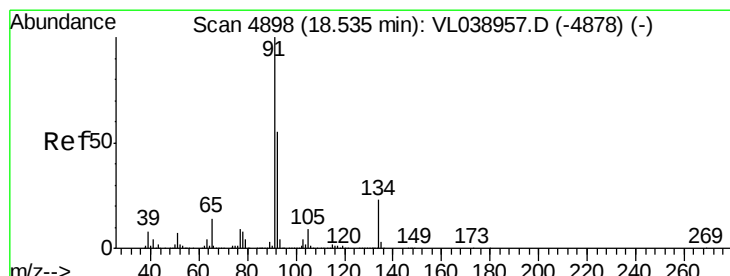
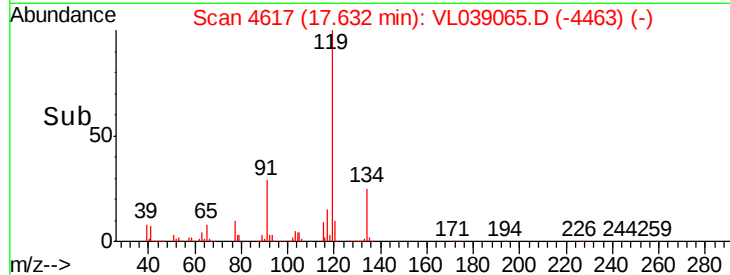
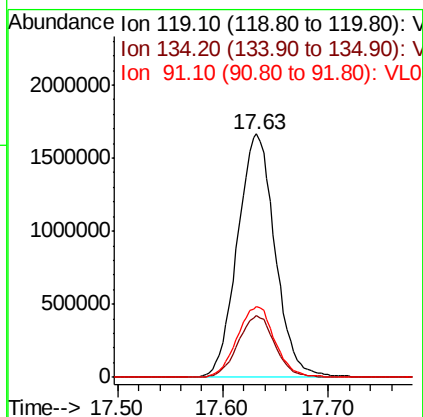
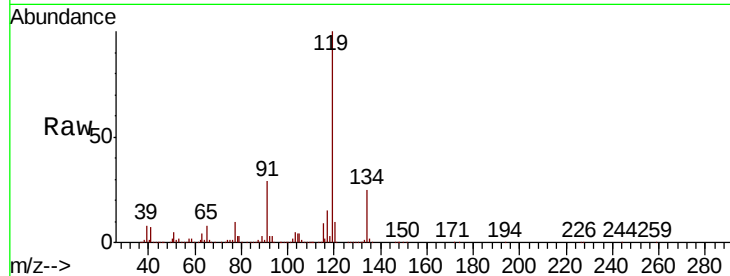
Tgt Ion: 95 Resp: 1709565
 Ion Ratio Lower Upper
 95 100
 174 64.6 50.8 76.2
 175 4.5 3.8 5.6





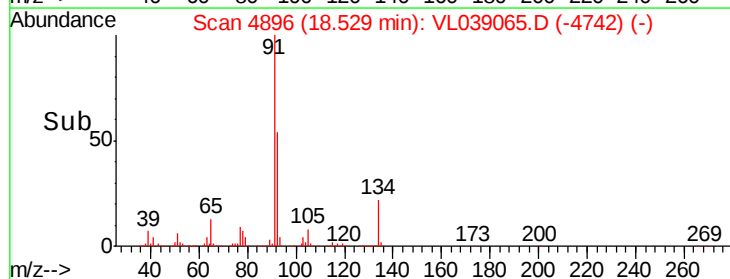
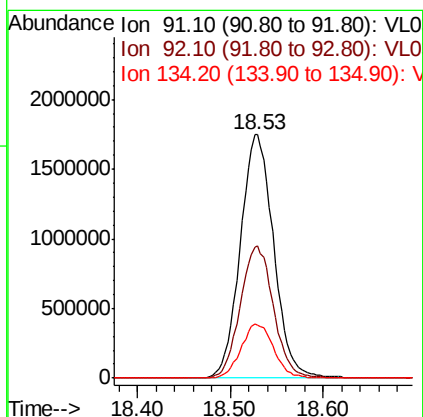
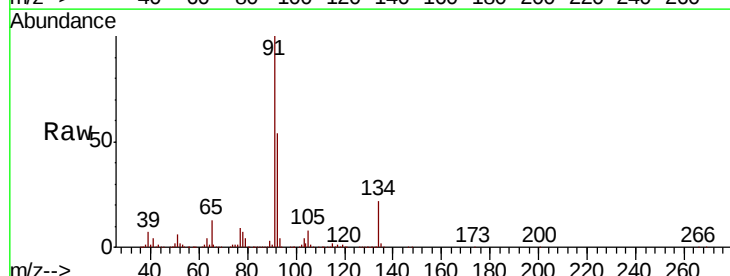
#69
 p-Isopropyltoluene
 Concen: 9.989 ppbv
 RT: 17.63 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId : VSTDCCC010EC
 Acq: 14 May 2022 9:54

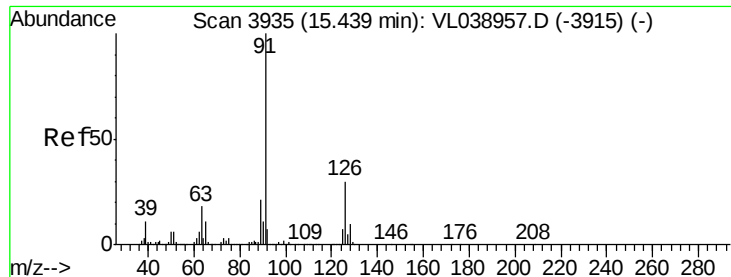
Tot Ion:	119	Resp:	4115365
Ion	Ratio	Lower	Upper
119	100		
134	24.9	20.0	30.0
91	29.3	24.8	37.2



#70
 n-Butylbenzene
 Concen: 9.929 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T.: -0.01 min
 Lab File: VL039065.D
 Acq: 14 May 2022 9:54

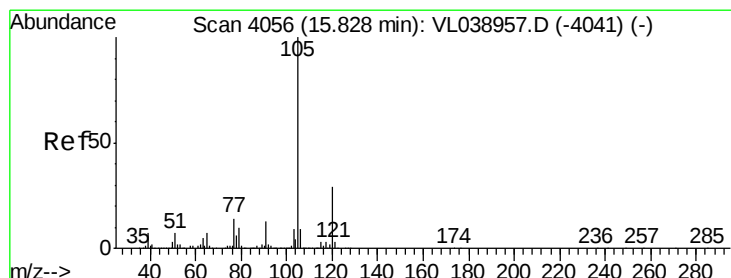
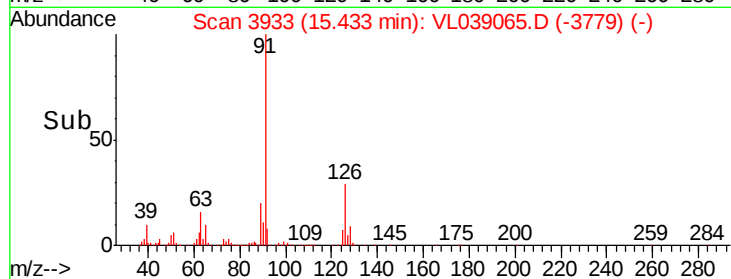
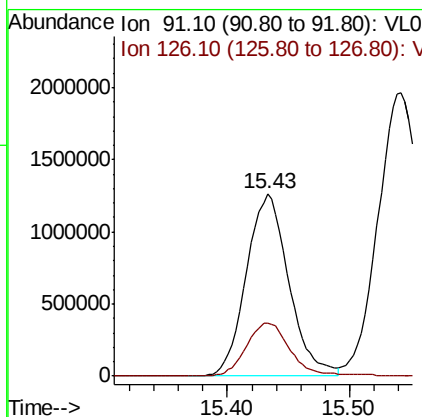
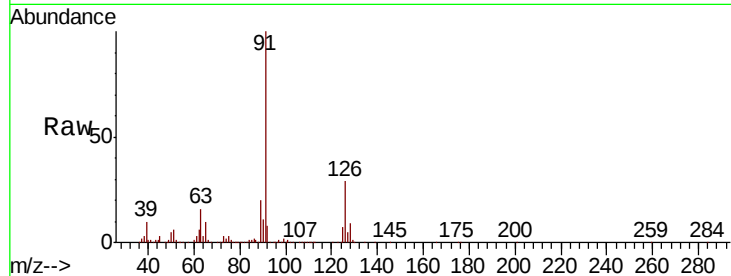
Tgt Ion:	91	Resp:	4346127
Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.1	64.7
134	21.9	17.0	25.4





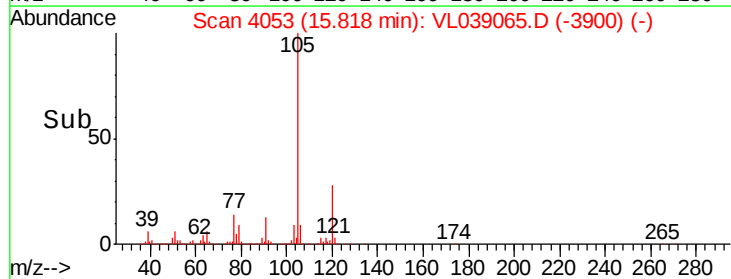
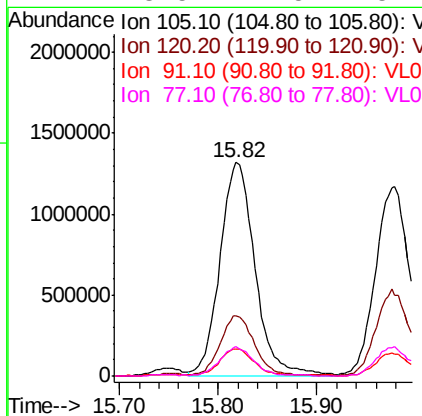
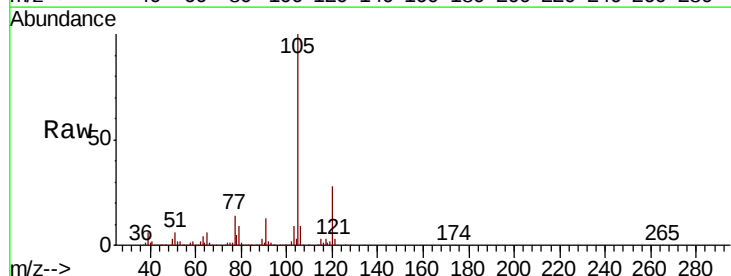
#71
 2-Chlorotoluene
 Concen: 9.702 ppbv
 RT: 15.43 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 14 May 2022 9:54

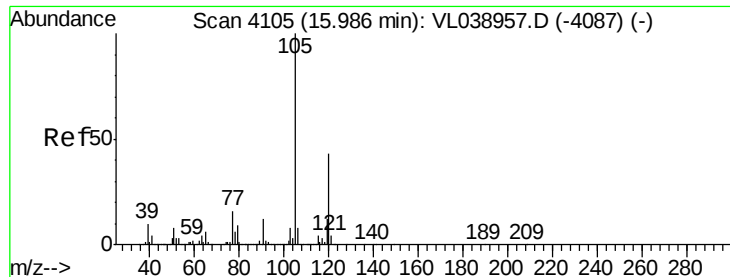
Tot Ion: 91 Resp: 3046948
 Ion Ratio Lower Upper
 91 100
 126 30.9 11.9 47.5



#72
 4-Ethyltoluene
 Concen: 10.283 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. -0.01 min
 Lab File: VL039065.D
 Acq: 14 May 2022 9:54

Tgt Ion:105 Resp: 3264268
 Ion Ratio Lower Upper
 105 100
 120 28.3 23.4 35.0
 91 12.4 10.6 16.0
 77 13.5 12.5 18.7





#73

1,3,5-Trimethylbenzene

Concen: 10.018 ppbv

RT: 15.98 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDCCC010EC

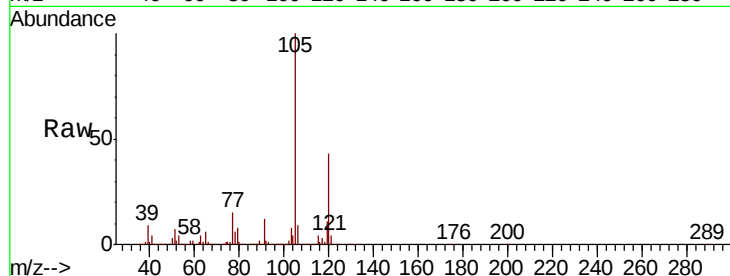
Acq: 14 May 2022 9:54

Tot Ion:105 Resp: 2863195

Ion Ratio Lower Upper

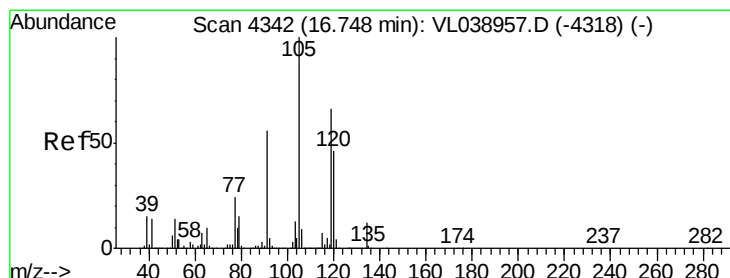
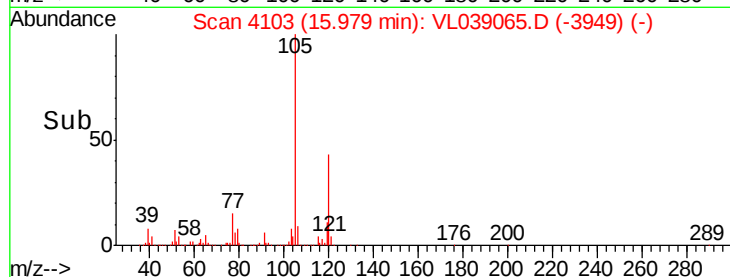
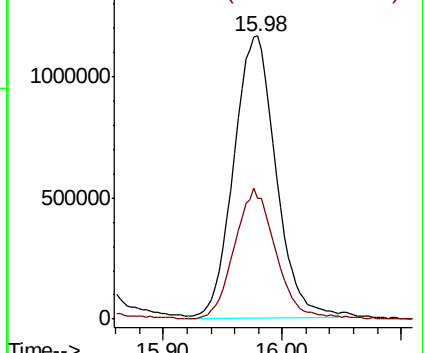
105 100

120 42.9 34.4 51.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.718 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.01 min

Lab File: VL039065.D

Acq: 14 May 2022 9:54

Tgt Ion:105 Resp: 3040837

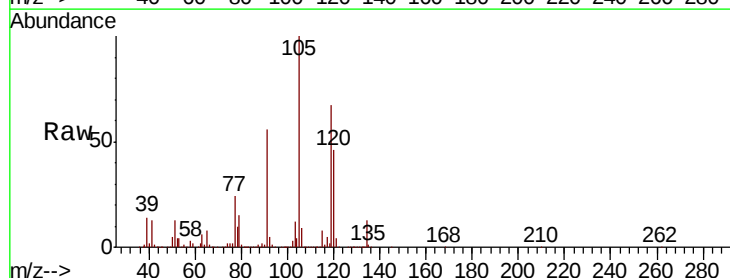
Ion Ratio Lower Upper

105 100

120 46.2 36.9 55.3

91 55.2 45.0 67.4

77 23.4 19.2 28.8

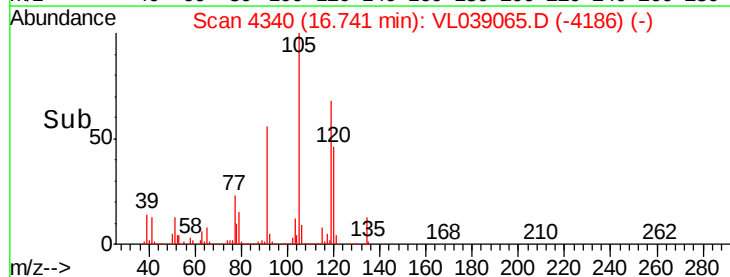
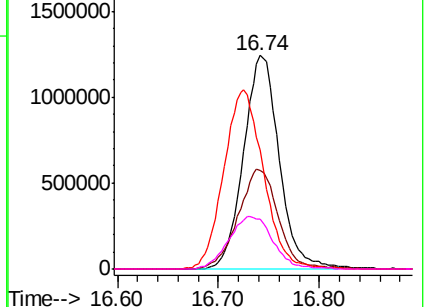


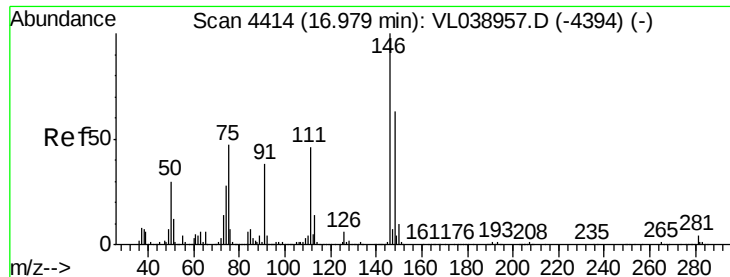
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

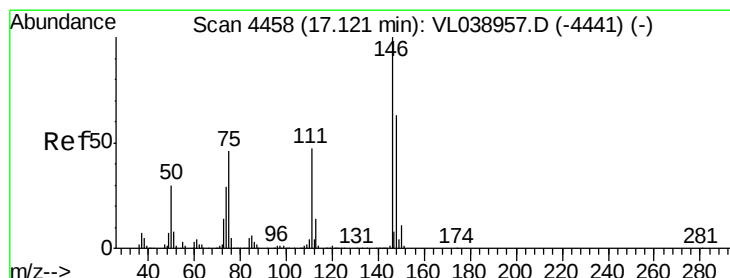
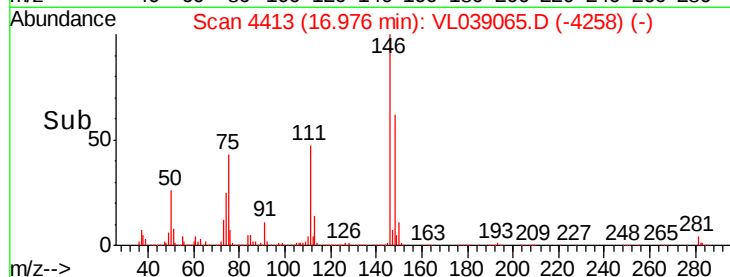
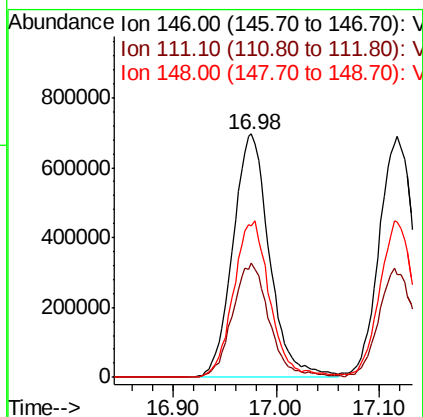
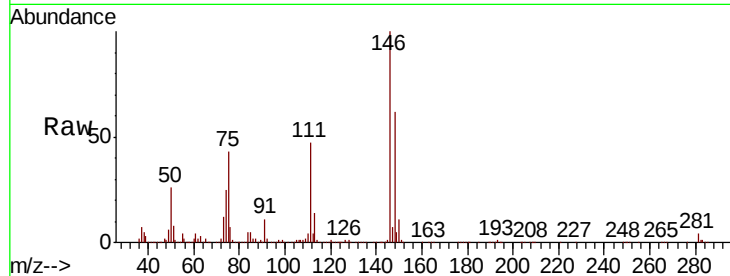
Ion 77.10 (76.80 to 77.80): VL0





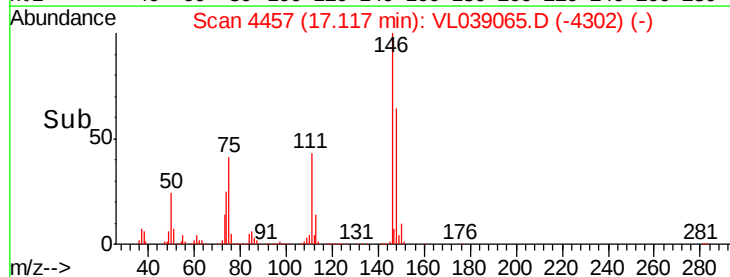
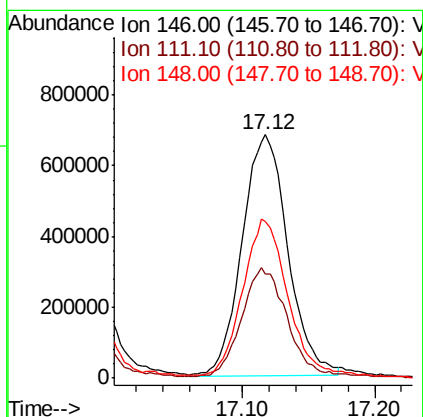
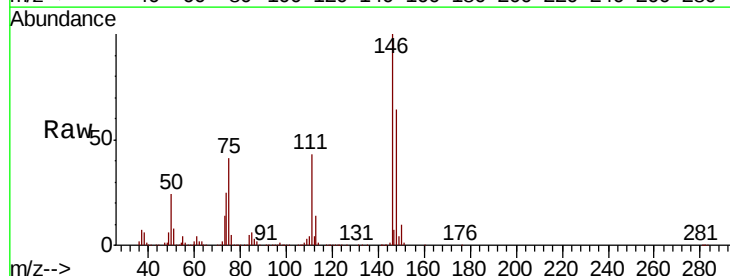
#75
 1,3-Dichlorobenzene
 Concen: 10.034 ppbv
 RT: 16.98
 Instrument: MSVOA_L
 Delta R.T.:
 Client Sample Id:
 Lab File: VSTDCCC010EC
 Acq: 14 May 2022 9:54

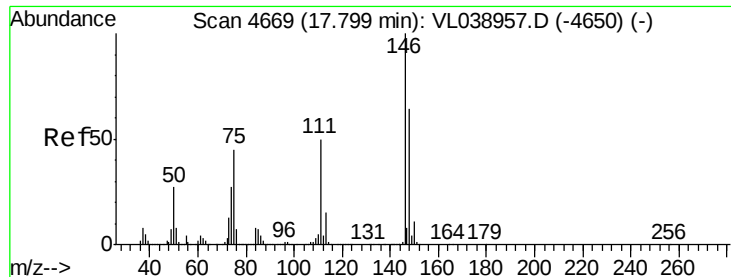
Tot Ion:146 Resp: 1720331
 Ion Ratio Lower Upper
 146 100
 111 47.2 24.1 72.2
 148 63.9 32.4 97.2



#76
 1,4-Dichlorobenzene
 Concen: 9.690 ppbv
 RT: 17.12 min Scan# 4457
 Delta R.T. -0.00 min
 Lab File: VL039065.D
 Acq: 14 May 2022 9:54

Tgt Ion:146 Resp: 1634332
 Ion Ratio Lower Upper
 146 100
 111 47.4 23.6 71.0
 148 67.5 32.2 96.6

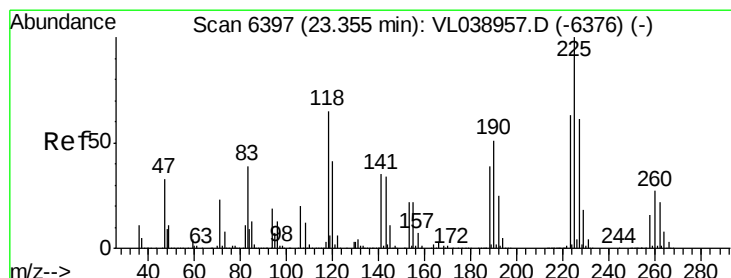
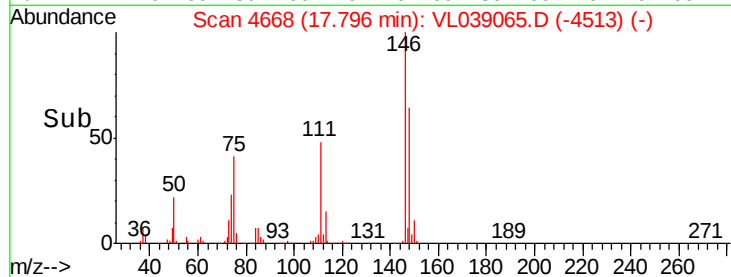
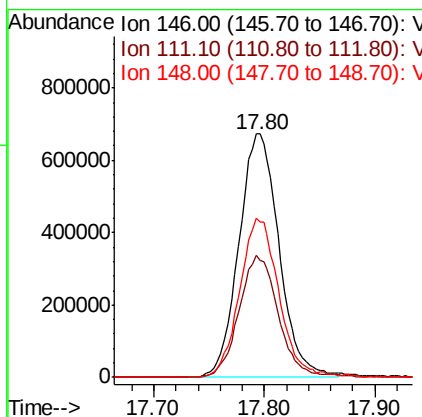
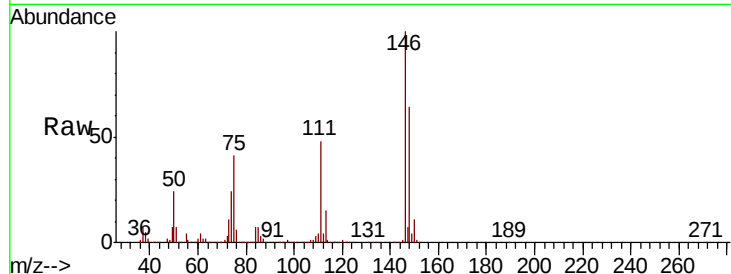




#77
 1,2-Dichlorobenzene
 Concen: 9.968 ppbv
 RT: 17.80 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VSTDCCC010EC
 Acq: 14 May 2022 9:54

Tot Ion:146 Resp: 1690324

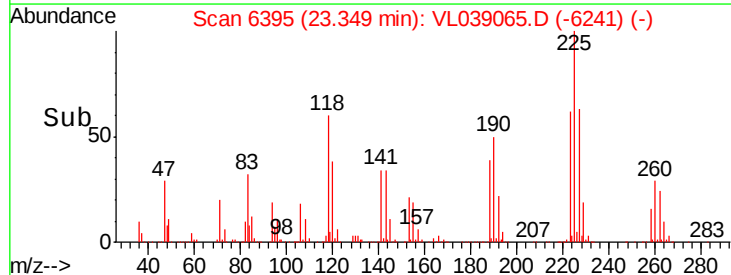
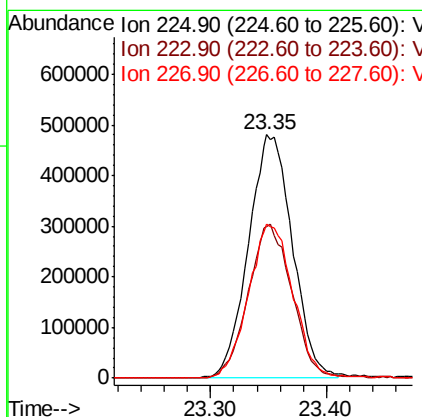
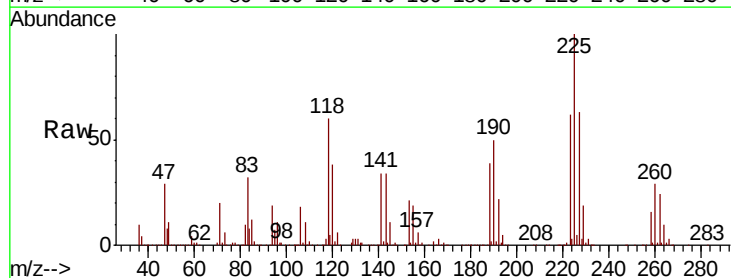
Ion	Ratio	Lower	Upper
146	100		
111	49.4	25.3	75.9
148	64.3	32.3	96.9

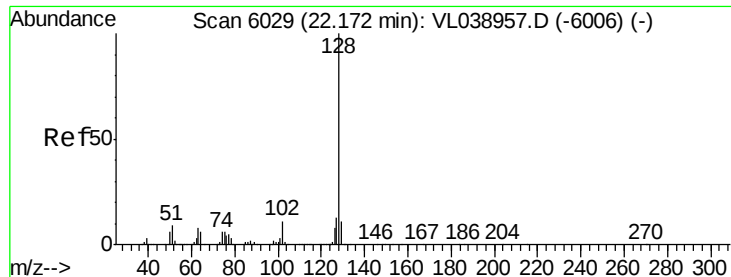


#78
 Hexachloro-1,3-Butadiene
 Concen: 8.116 ppbv
 RT: 23.35 min Scan# 6395
 Delta R.T.: -0.01 min
 Lab File: VL039065.D
 Acq: 14 May 2022 9:54

Tgt Ion:225 Resp: 1264869

Ion	Ratio	Lower	Upper
225	100		
223	63.3	51.4	77.0
227	64.2	51.4	77.0

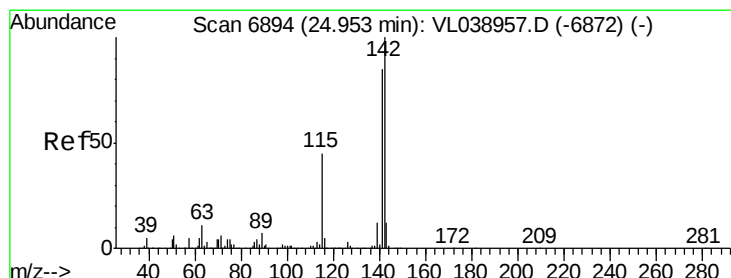
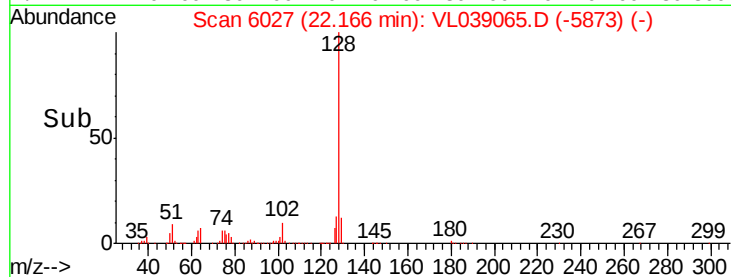
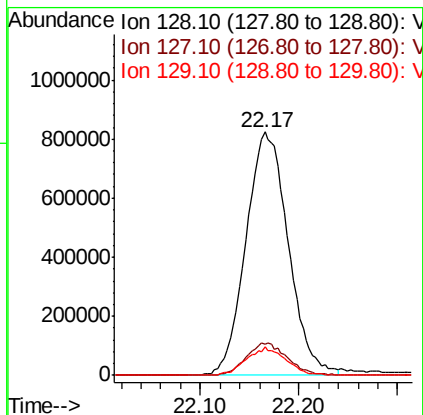
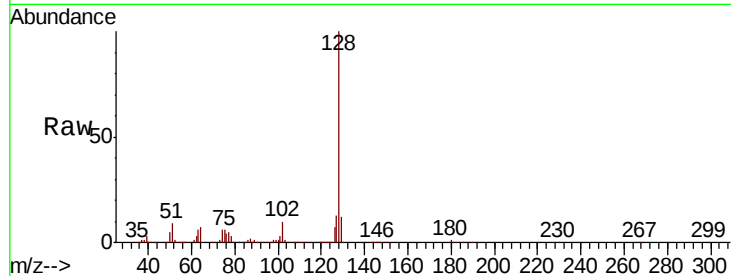




#79
Naphthalene
Concen: 9.639 ppbv
RT: 22.17 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 May 2022 9:54

Tot Ion:128 Resp: 2450101

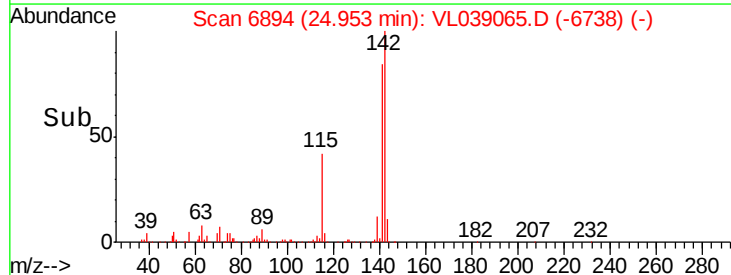
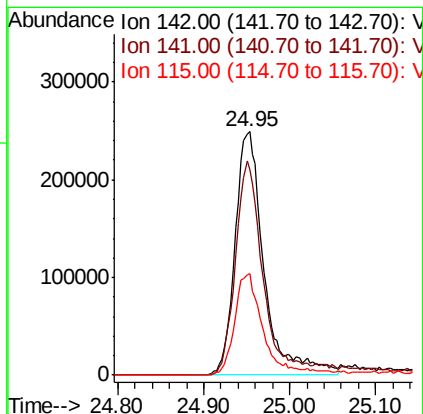
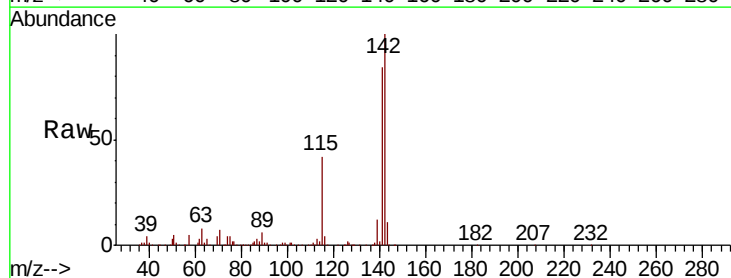
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.9	8.9	13.3

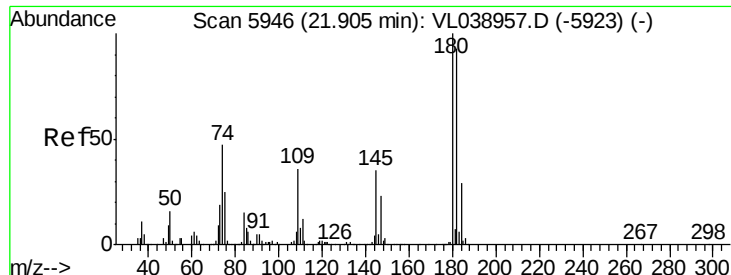


#80
Naphthalene, 2-methyl-
Concen: 7.617 ppbv
RT: 24.95 min Scan# 6894
Delta R.T.: 0.00 min
Lab File: VL039065.D
Acq: 14 May 2022 9:54

Tgt Ion:142 Resp: 585688

Ion	Ratio	Lower	Upper
142	100		
141	85.4	70.8	106.2
115	43.4	35.1	52.7





#81

1,2,4-Trichlorobenzene

Concen: 8.861 ppbv

RT: 21.90 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDCCC010EC

Acq: 14 May 2022 9:34

Tot Ion:180 Resp: 1319866

Ion Ratio Lower Upper

180 100

182 98.3 78.4 117.6

184 31.4 24.4 36.6

