

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040522\
 Data File : VL038832.D
 Acq On : 6 Apr 2022 13:44
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Apr 07 03:11:55 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1282858	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	3548102	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	4054676	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2480869	8.07	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1892319	10.400	ppbv 99
3) Chlorodifluoromethane	3.00	51	1537833	9.822	ppbv 99
4) Chloromethane	3.15	50	804176	9.919	ppbv 93
5) Vinyl Chloride	3.27	62	739801	9.876	ppbv 97
6) Bromomethane	3.48	94	354797	9.790	ppbv 96
7) Chloroethane	3.56	64	256665	10.275	ppbv 96
8) Dichlorotetrafluoroethane	3.20	85	1661186	9.773	ppbv 100
9) Propene	3.02	41	821099	9.913	ppbv 99
10) Heptane	8.13	43	2049248	9.822	ppbv 99
11) Trichlorofluoromethane	3.96	101	1454867	9.950	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1147114	10.242	ppbv 97
13) Ethanol	3.61	45	42962	8.534	ppbv # 100
14) Bromoethene	3.75	108	485797	9.862	ppbv 99
15) Acetone	3.85	43	1220963	9.560	ppbv 98
16) 1,3-Butadiene	3.34	39	723993	9.916	ppbv 99
17) tert-Butyl alcohol	4.29	59	1092194	9.536	ppbv 99
18) 1,1-Dichloroethene	4.30	96	514465	10.076	ppbv 91
19) Isopropyl Alcohol	3.97	45	657166	10.067	ppbv # 100
20) Methylene Chloride	4.35	84	431391	9.313	ppbv 92
21) Allyl Chloride	4.42	41	920205	9.623	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	558793	10.810	ppbv 94
23) Vinyl Acetate	5.08	43	1246117	10.019	ppbv 98
24) 1,1-Dichloroethane	5.02	63	1106507	9.844	ppbv 99
25) Ethyl Acetate	5.68	43	3245348	10.014	ppbv 99
26) Hexane	5.70	57	1441150	9.770	ppbv 97
27) Carbon Disulfide	4.56	76	1406853	10.400	ppbv 98
28) Methyl tert-Butyl Ether	5.04	73	1121140	9.841	ppbv 99
29) Chloroform	5.76	83	2052564	9.945	ppbv 98
30) Cyclohexane	7.14	84	1266695	9.743	ppbv 97
31) cis-1,2-Dichloroethene	5.56	61	1320232	9.734	ppbv 100
32) 1,1,1-Trichloroethane	6.52	97	2012646	9.679	ppbv 99
34) 2-Butanone	5.25	43	1383646	9.869	ppbv 99
35) Carbon Tetrachloride	7.03	117	2063594	9.701	ppbv 98
36) Benzene	6.90	78	3064631	9.495	ppbv 98
37) 1,2-Dichloroethane	6.32	62	1482999	10.049	ppbv 100
38) Trichloroethene	7.84	130	1195380	9.026	ppbv 97
39) 1,2-Dichloropropane	7.62	63	1203236	9.746	ppbv 100
40) 1,4-Dioxane	7.83	88	399942	9.540	ppbv # 92
41) Tetrahydrofuran	6.06	42	1315877	9.882	ppbv 98
42) Bromodichloromethane	7.80	83	2280703	9.787	ppbv 97
43) Methyl Methacrylate	8.02	69	1251247	10.121	ppbv 98

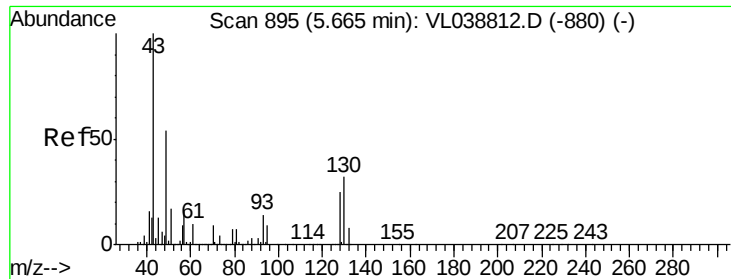
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040522\
 Data File : VL038832.D
 Acq On : 6 Apr 2022 13:44
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Apr 07 03:11:55 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
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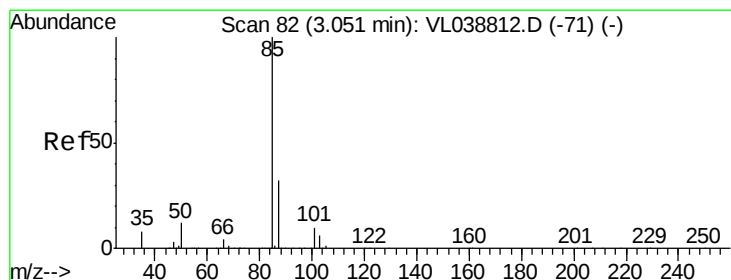
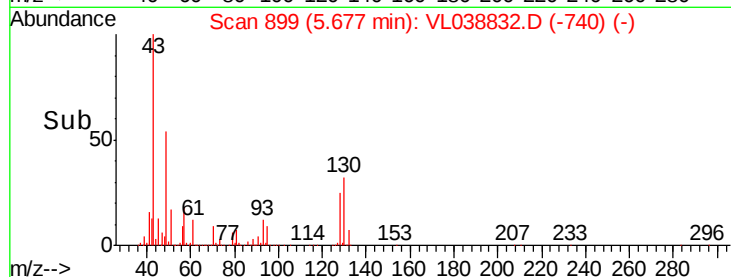
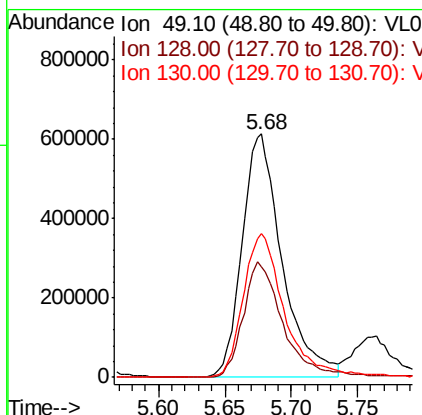
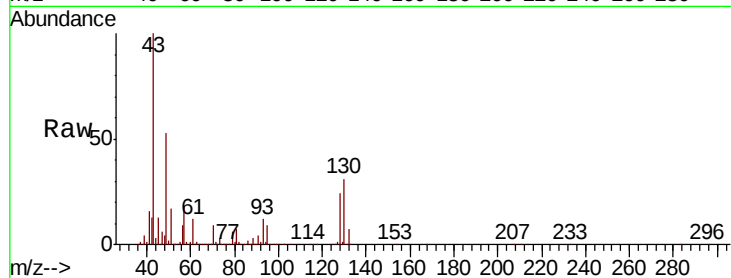
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5101801	9.336	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1304816	10.094	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1689162	9.911	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1236054	9.771	ppbv	98
48) Dibromochloromethane	10.31	129	1973278	9.952	ppbv	97
49) Bromoform	13.05	173	1579444	10.058	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	3207707	10.172	ppbv	100
51) 2-Hexanone	10.14	43	2496341	10.506	ppbv	99
52) Tetrachloroethene	11.23	164	1027678	9.115	ppbv	95
53) Toluene	9.82	91	3578553	9.604	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1768172	10.062	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1366608	7.691	ppbv	94
57) Chlorobenzene	12.16	112	2513805	7.570	ppbv	98
58) Ethyl Benzene	12.72	91	4723010	7.795	ppbv	96
59) m/p-Xylene	13.00	91	4273505	8.395	ppbv #	45
60) o-Xylene	13.70	91	3608874	7.577	ppbv	98
61) Styrene	13.54	104	2341757	8.070	ppbv	100
62) Isopropylbenzene	14.67	105	5361514	7.499	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.68	83	2311631	7.663	ppbv	100
64) n-propylbenzene	15.56	120	1434334	7.727	ppbv	93
65) tert-Butylbenzene	16.75	119	4662036	7.350	ppbv	99
66) Benzyl Chloride	16.99	91	807240	6.251	ppbv	99
67) sec-Butylbenzene	17.30	105	6656887	7.479	ppbv	99
69) p-Isopropyltoluene	17.65	119	5604120	7.668	ppbv	100
70) n-Butylbenzene	18.55	91	5890751	8.001	ppbv	99
71) 2-Chlorotoluene	15.46	91	4168859	7.755	ppbv	99
72) 4-Ethyltoluene	15.84	105	4506098	7.923	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4013490	7.855	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	4138343	7.662	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	2408782	7.681	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2387296	7.728	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2390585	7.733	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1616932	6.620	ppbv	99
79) Naphthalene	22.20	128	3354999	8.304	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	899913	9.039	ppbv	92
81) 1,2,4-Trichlorobenzene	21.92	180	1834235	7.757	ppbv	97

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



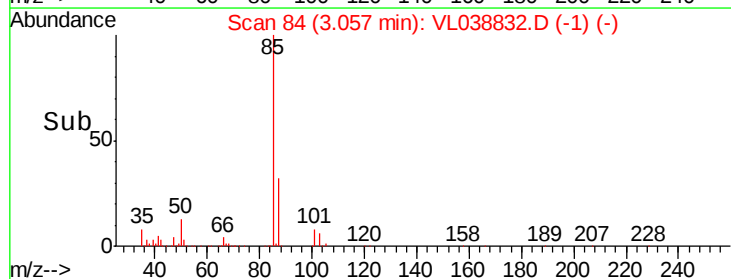
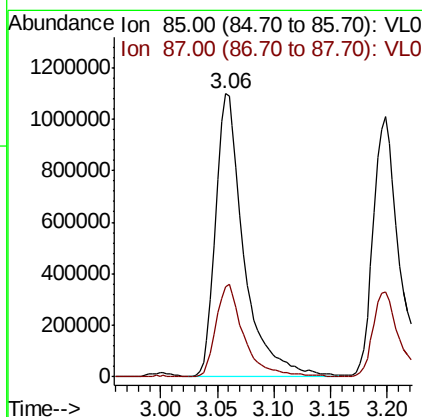
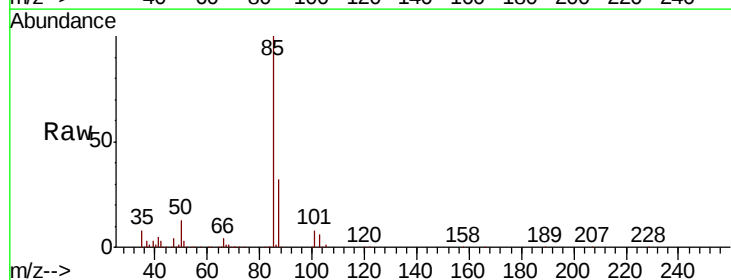
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 6 Apr 2022 13:44

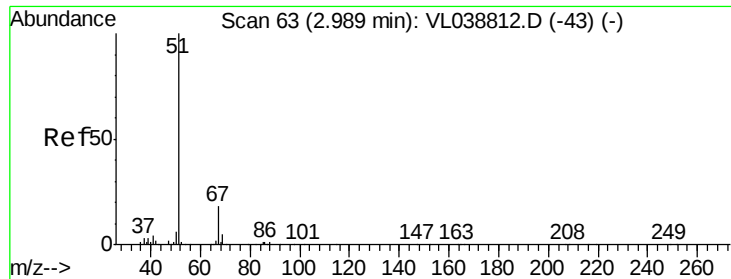
Tot Ion: 49 Resp: 1282858
 Ion Ratio Lower Upper
 49 100
 128 47.9 24.1 72.3
 130 62.0 30.9 92.8



#2
 Dichlorodifluoromethane
 Concen: 10.400 ppbv
 RT: 3.06 min Scan# 84
 Delta R.T. 0.01 min
 Lab File: VL038832.D
 Acq: 6 Apr 2022 13:44

Tgt Ion: 85 Resp: 1892319
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.9 38.9





#3

Chlorodifluoromethane

Concen: 9.822 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

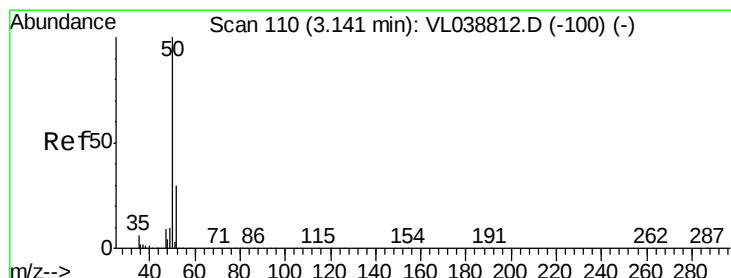
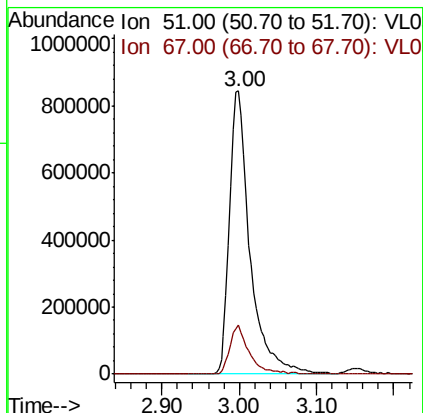
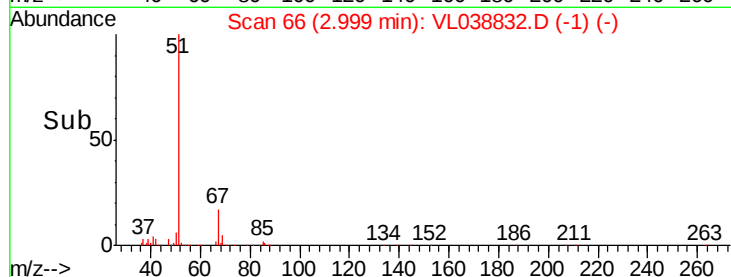
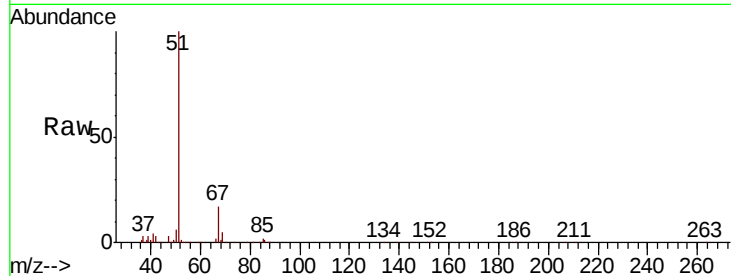
Acq: 6 Apr 2022 13:44 VSTDCCC010EC

Tot Ion: 51 Resp: 1537833

Ion Ratio Lower Upper

51 100

67 16.4 13.4 20.0



#4

Chloromethane

Concen: 9.919 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL038832.D

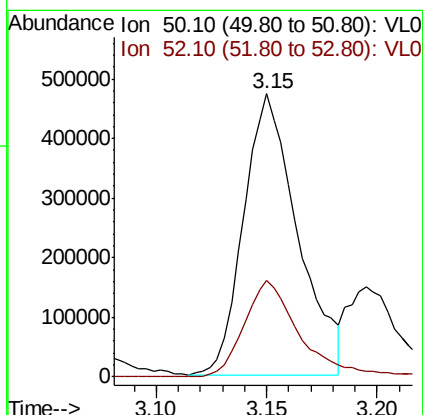
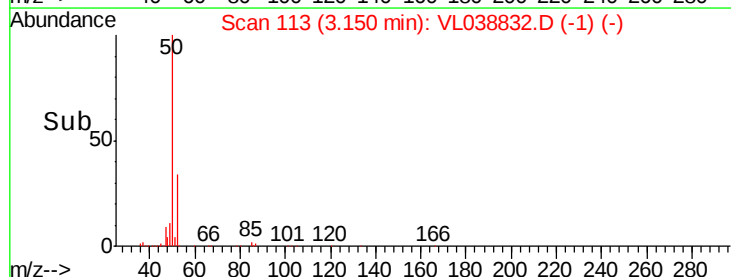
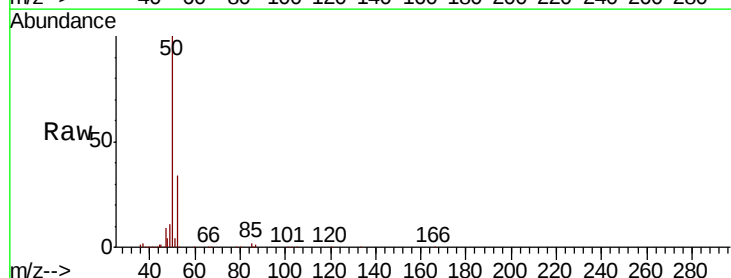
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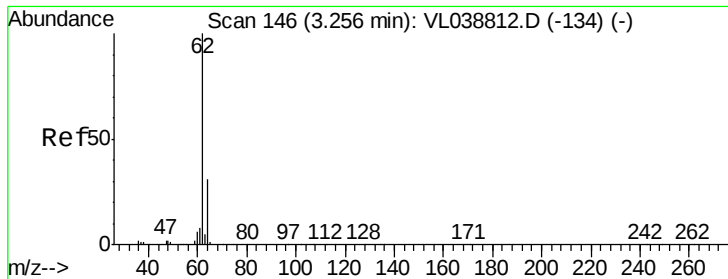
Tgt Ion: 50 Resp: 804176

Ion Ratio Lower Upper

50 100

52 34.1 24.3 36.5





#5

Vinyl Chloride

Concen: 9.876 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

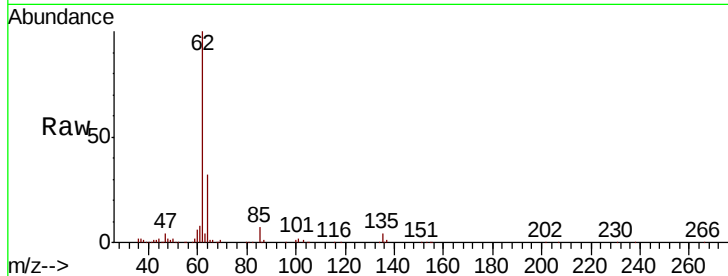
Acq: 6 Apr 2022 13:44 VSTDCCC010EC

Tot Ion: 62 Resp: 739801

Ion Ratio Lower Upper

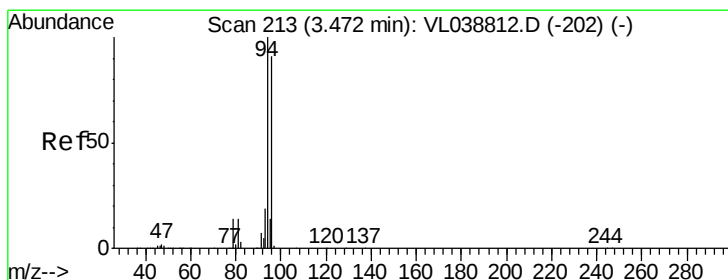
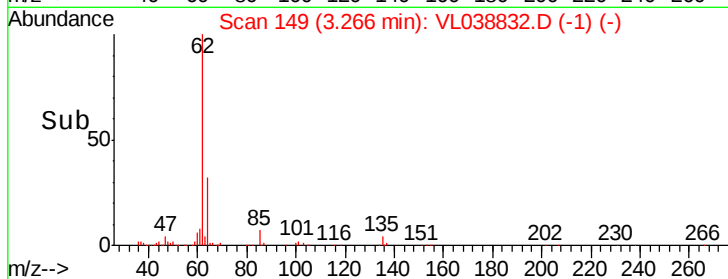
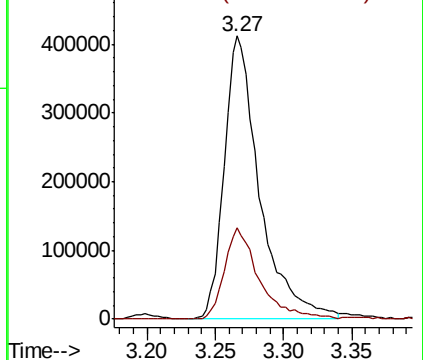
62 100

64 32.2 24.6 37.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.790 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.01 min

Lab File: VL038832.D

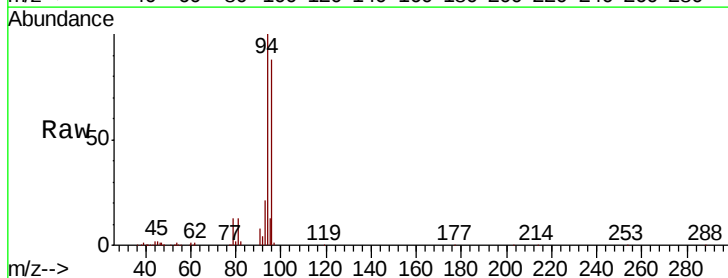
Acq: 6 Apr 2022 13:44

Tgt Ion: 94 Resp: 354797

Ion Ratio Lower Upper

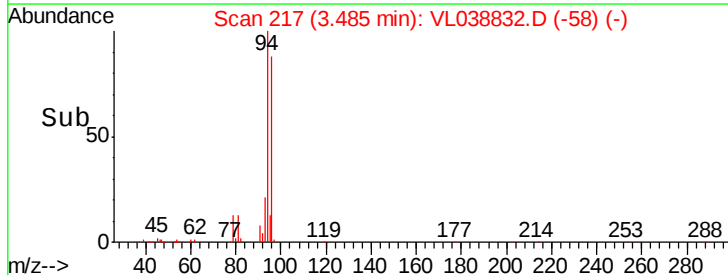
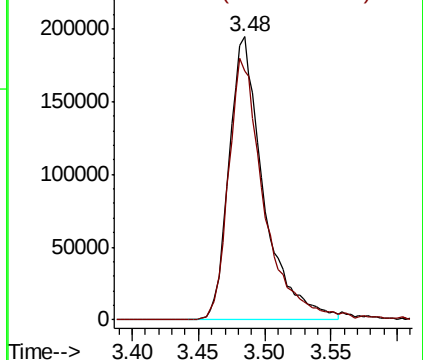
94 100

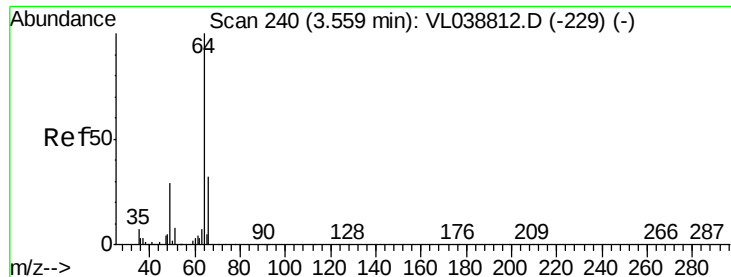
96 87.8 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.275 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

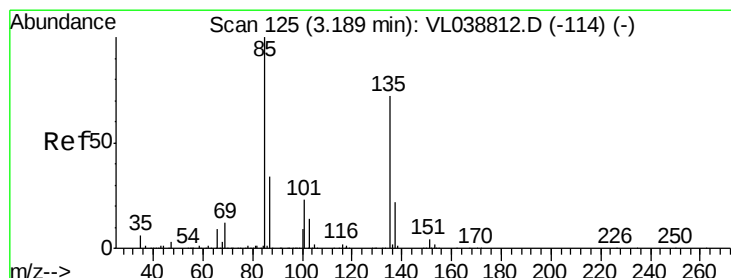
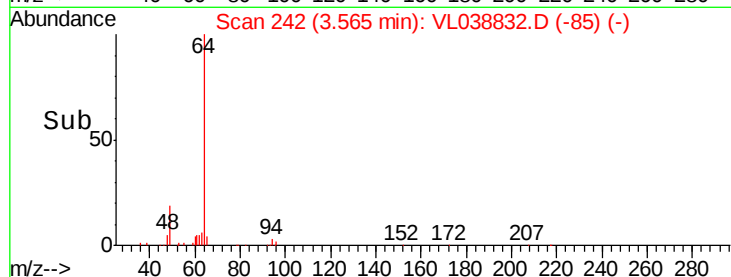
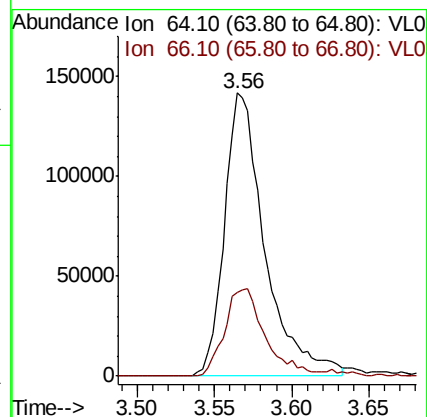
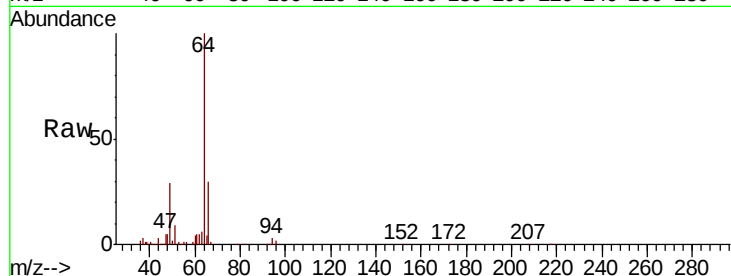
Acq: 6 Apr 2022 13:44 VSTDCCC010EC

Tot Ion: 64 Resp: 256665

Ion Ratio Lower Upper

64 100

66 29.6 25.4 38.2



#8

Dichlorotetrafluoroethane

Concen: 9.773 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.01 min

Lab File: VL038832.D

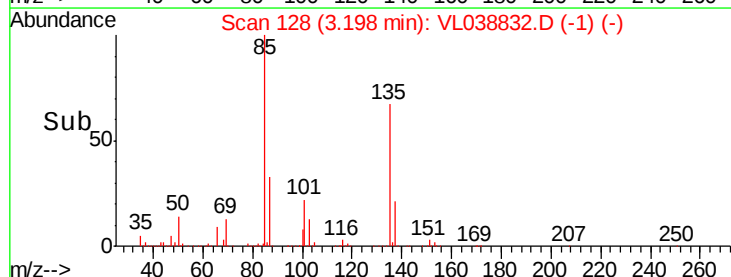
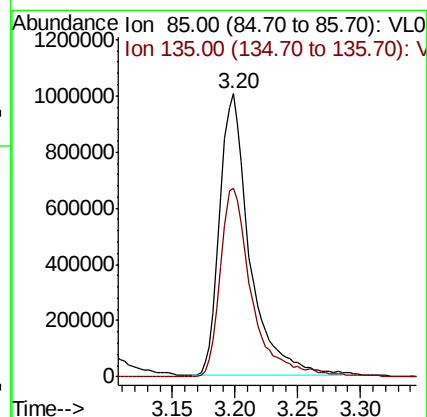
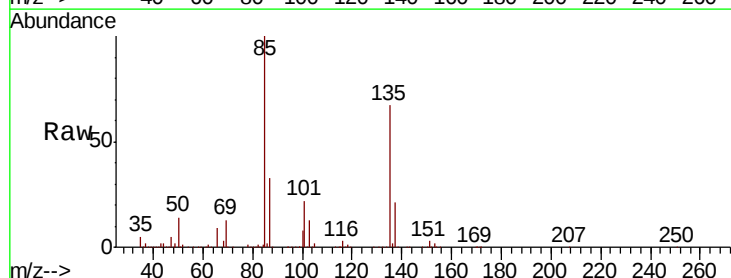
Acq: 6 Apr 2022 13:44

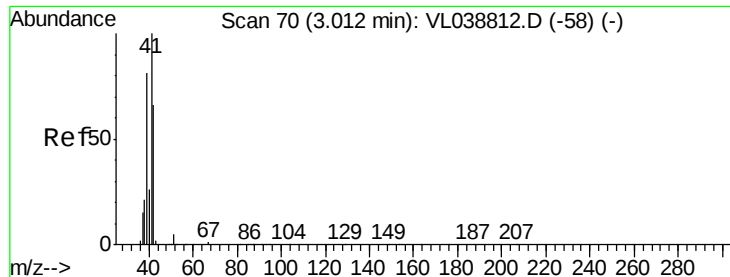
Tgt Ion: 85 Resp: 1661186

Ion Ratio Lower Upper

85 100

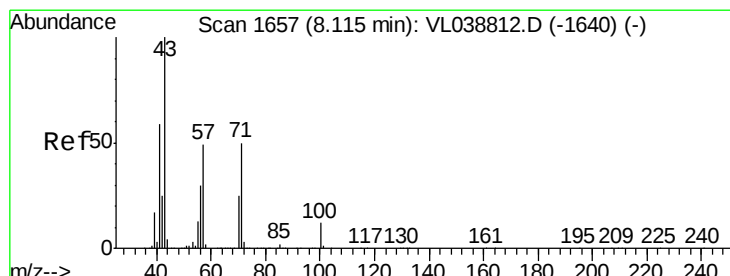
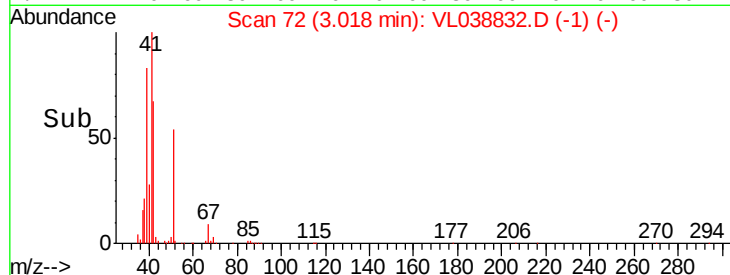
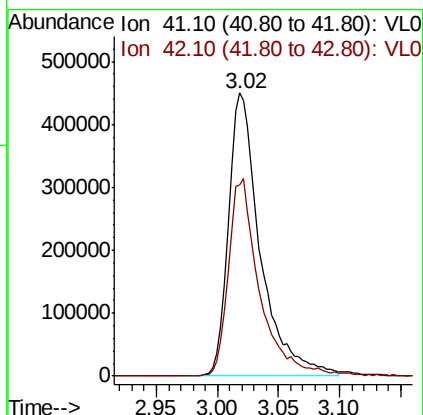
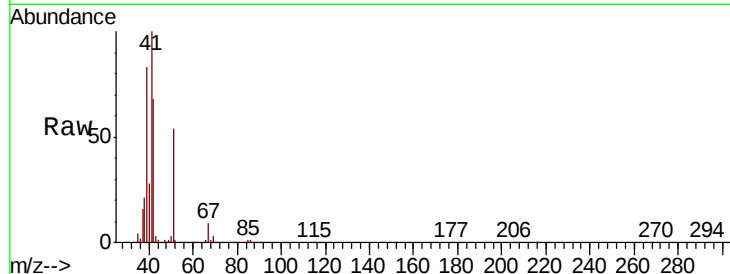
135 71.3 57.0 85.6





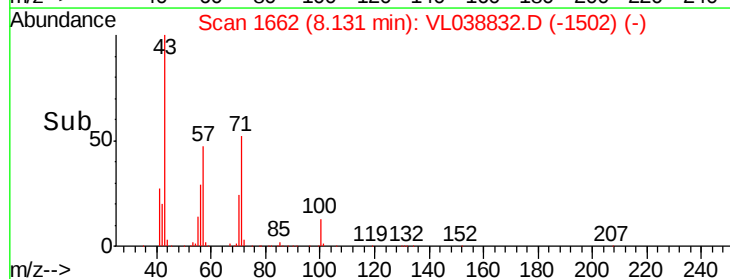
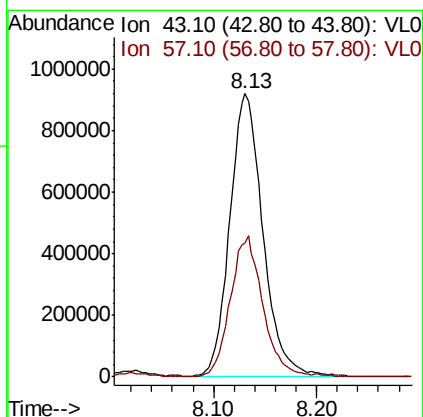
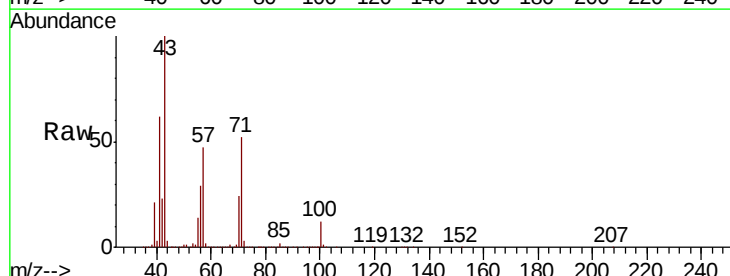
#9
 Propene
 Concen: 9.913 ppbv
 RT: 3.02
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 6 Apr 2022 13:44

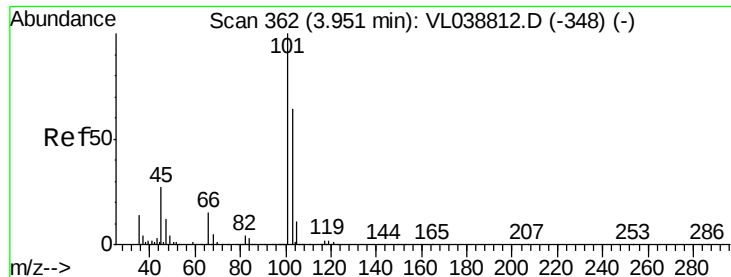
Tot Ion: 41 Resp: 821099
 Ion Ratio Lower Upper
 41 100
 42 69.0 54.2 81.4



#10
 Heptane
 Concen: 9.822 ppbv
 RT: 8.13 min Scan# 1662
 Delta R.T. 0.02 min
 Lab File: VL038832.D
 Acq: 6 Apr 2022 13:44

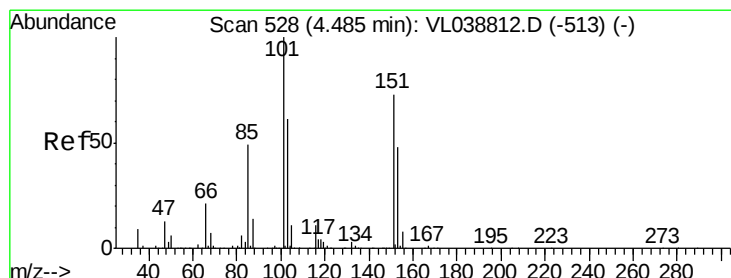
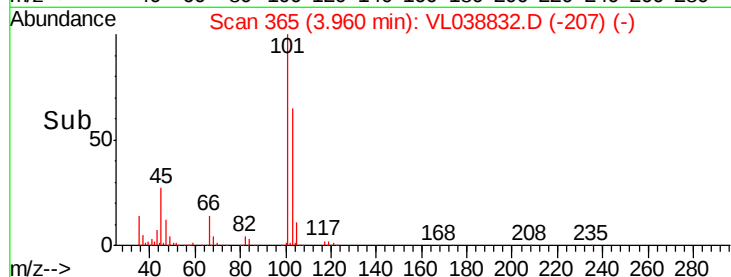
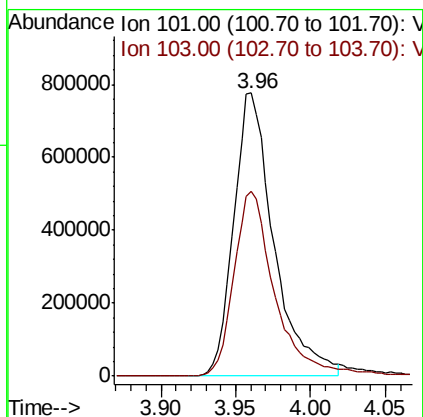
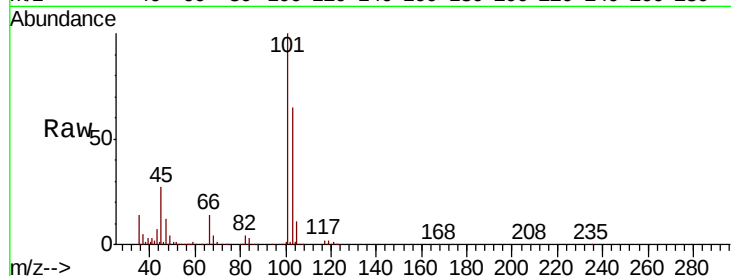
Tgt Ion: 43 Resp: 2049248
 Ion Ratio Lower Upper
 43 100
 57 49.5 39.3 58.9





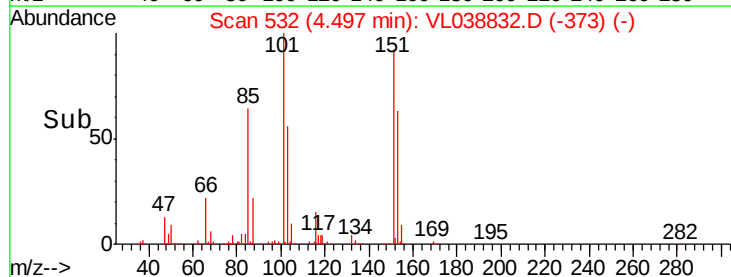
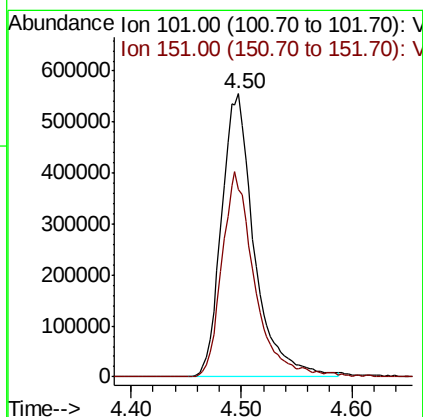
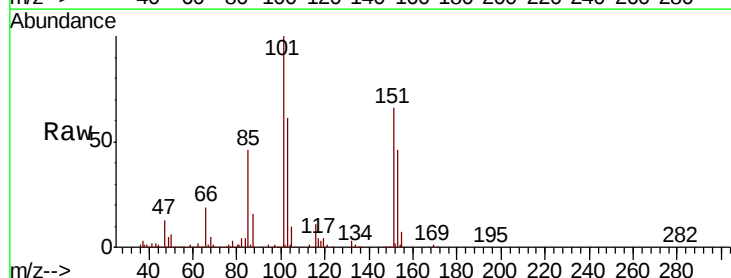
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 Trichlorofluoromethane
 Concen: 9.950 ppbv
 RT: 3.96 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 6 Apr 2022 13:44

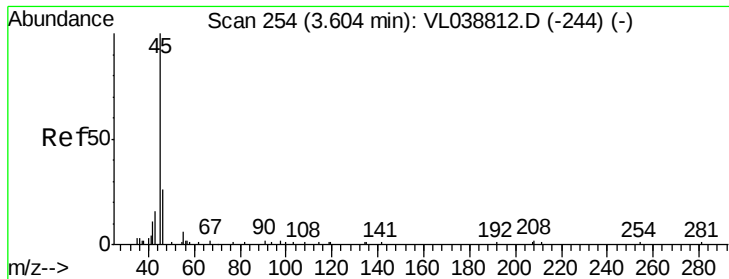
Tot Ion:101 Resp: 1454867
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.242 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VL038832.D
 Acq: 6 Apr 2022 13:44

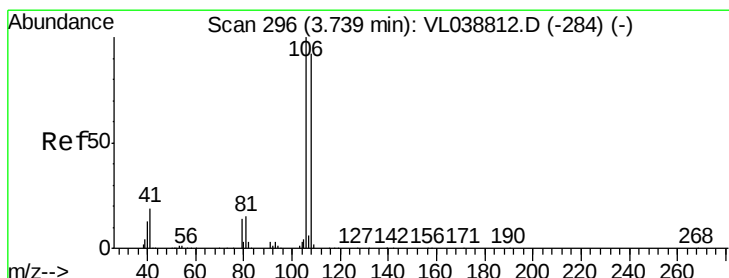
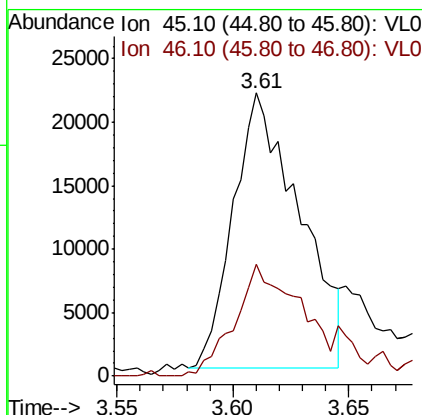
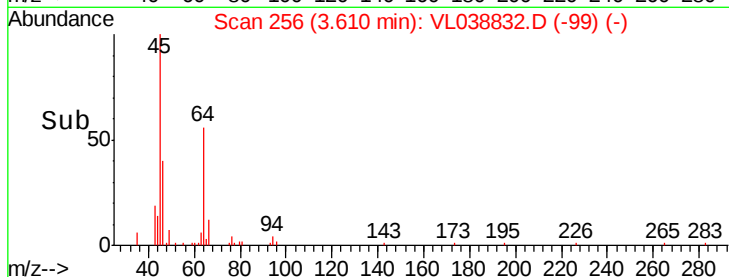
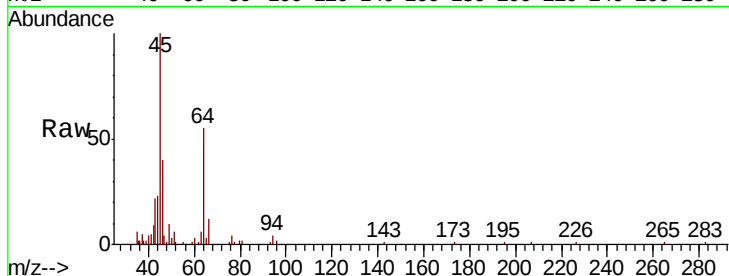
Tgt Ion:101 Resp: 1147114
 Ion Ratio Lower Upper
 101 100
 151 72.4 59.9 89.9





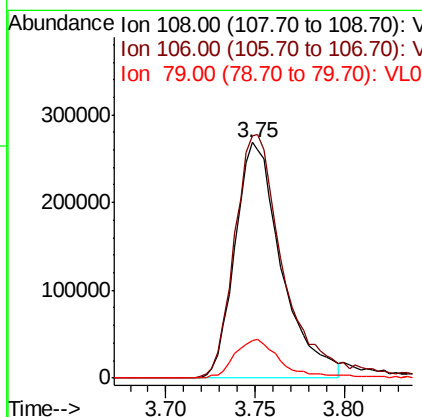
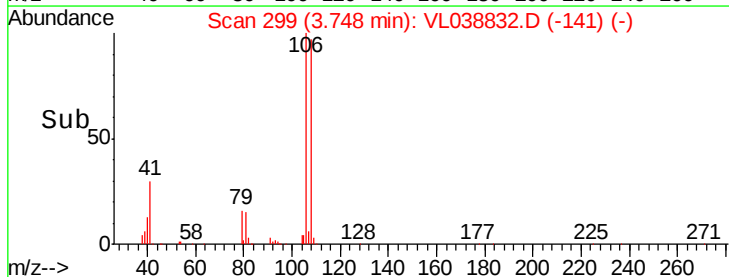
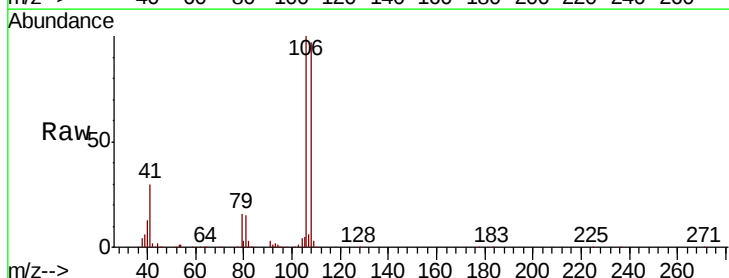
#13
 Ethanol
 Concen: 8.534 ppbv
 RT: 3.61
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 6 Apr 2022 13:44

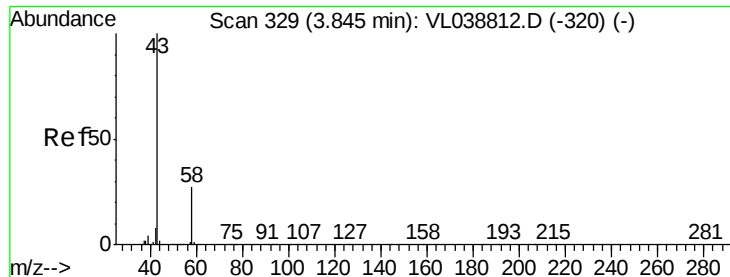
Tot Ion: 45 Resp: 42962
 Ion Ratio Lower Upper
 45 100
 46 51.2 0.0 0.0#



#14
 Bromoethene
 Concen: 9.862 ppbv
 RT: 3.75 min Scan# 299
 Delta R.T. 0.01 min
 Lab File: VL038832.D
 Acq: 6 Apr 2022 13:44

Tgt Ion: 108 Resp: 485797
 Ion Ratio Lower Upper
 108 100
 106 112.6 91.5 137.3
 79 17.2 13.7 20.5





#15

Acetone

Concen: 9.560 ppbv

RT: 3.85 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010EC

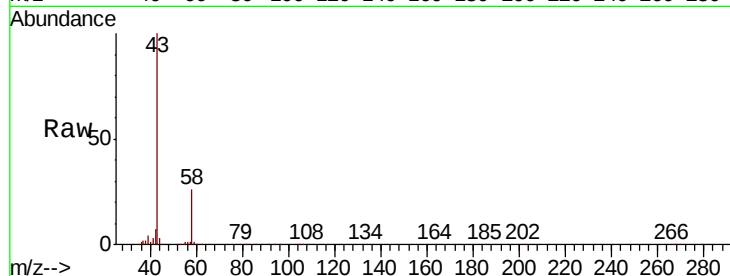
Acq: 6 Apr 2022 13:44

Tot Ion: 43 Resp: 1220963

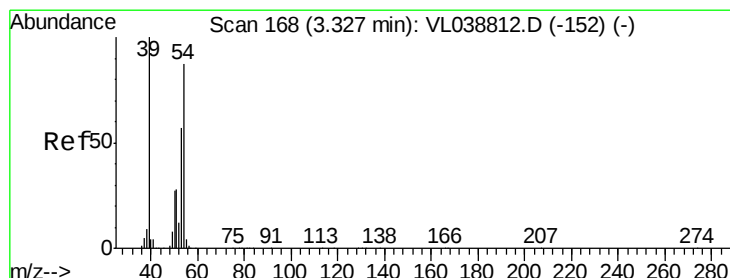
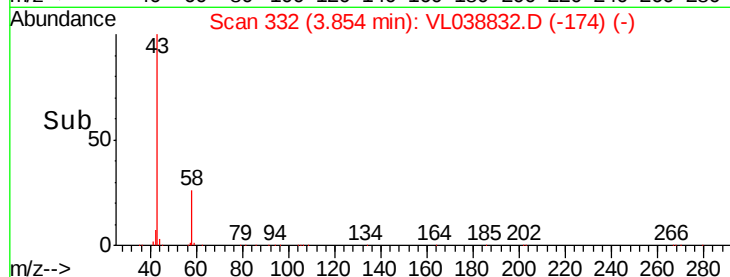
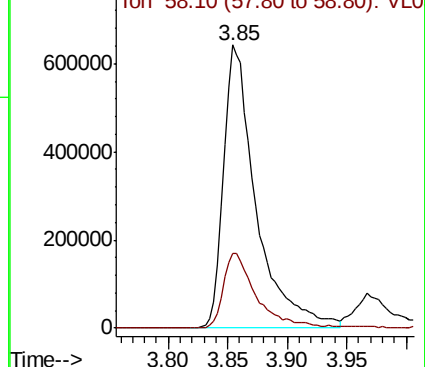
Ion Ratio Lower Upper

43 100

58 27.2 22.5 33.7



Abundance Ion 43.10 (42.80 to 43.80): VL0



#16

1,3-Butadiene

Concen: 9.916 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.01 min

Lab File: VL038832.D

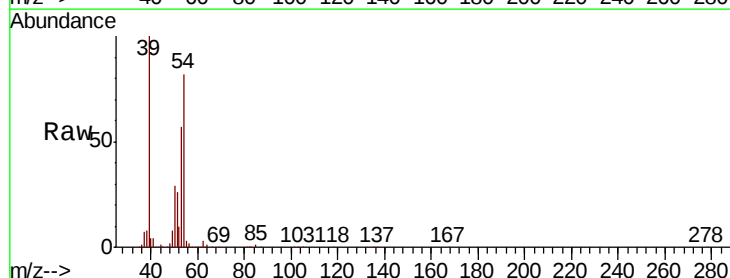
Acq: 6 Apr 2022 13:44

Tgt Ion: 39 Resp: 723993

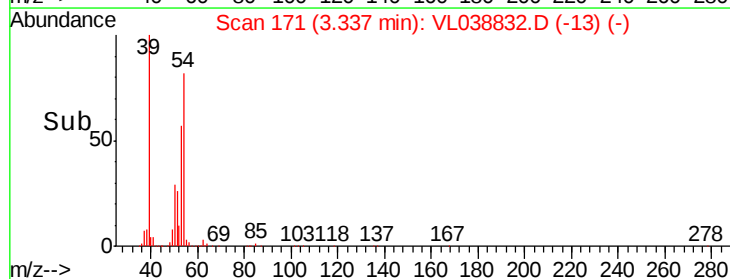
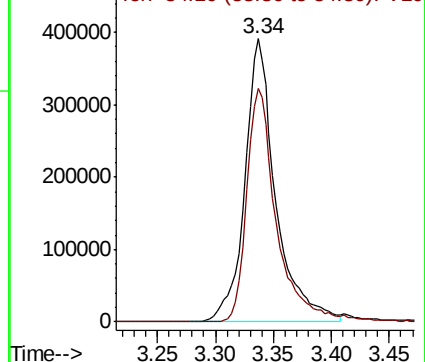
Ion Ratio Lower Upper

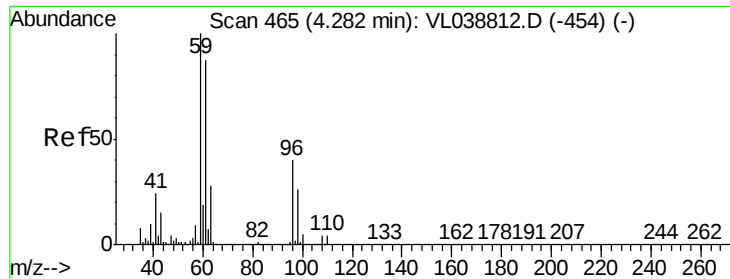
39 100

54 80.5 64.8 97.2



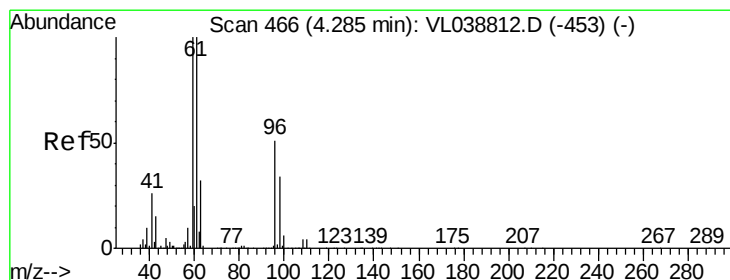
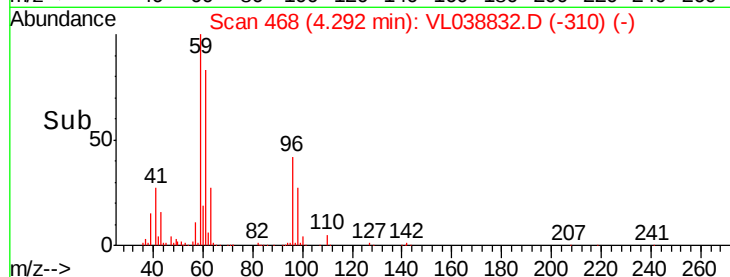
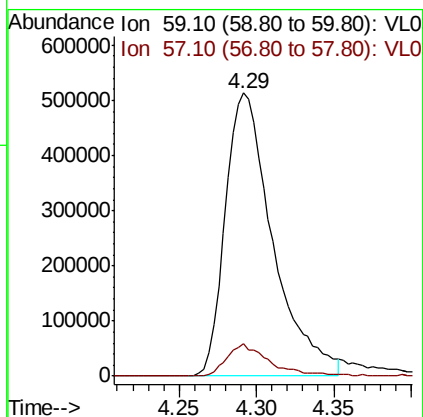
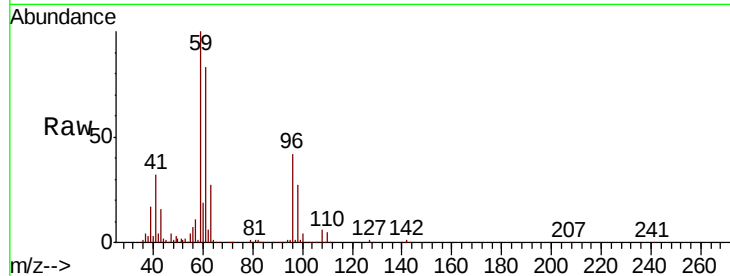
Abundance Ion 39.10 (38.80 to 39.80): VL0





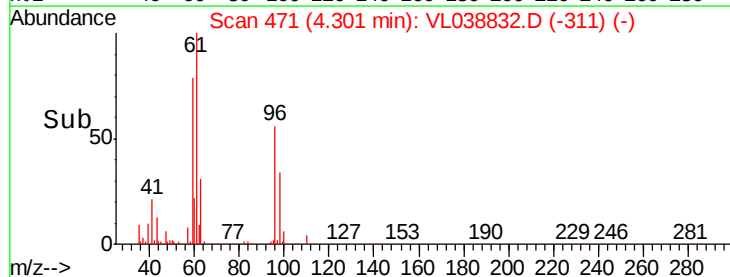
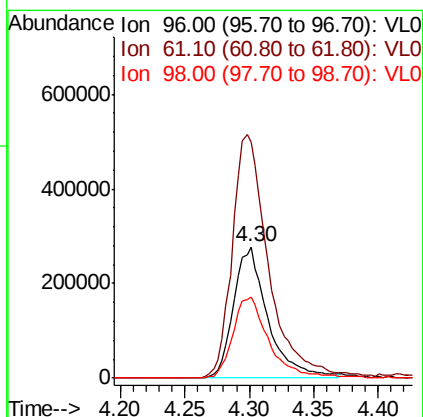
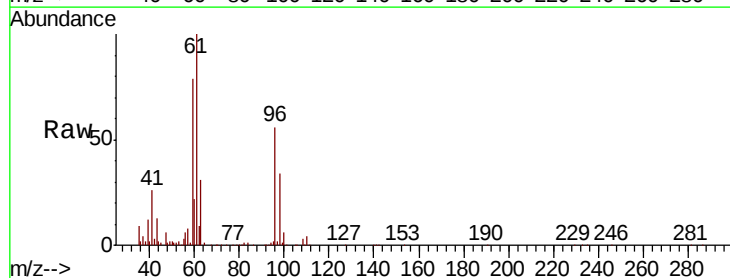
#17
 tert-Butyl alcohol
 Concen: 9.536 ppbv
 RT: 4.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 6 Apr 2022 13:44

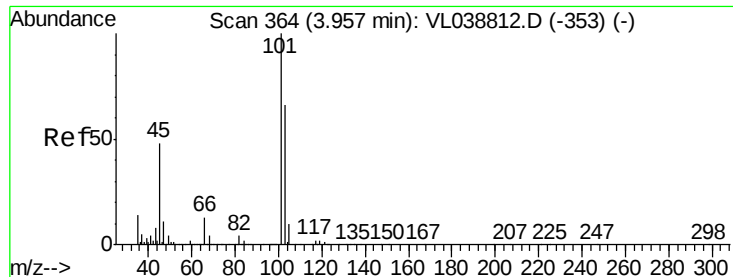
Tot Ion: 59 Resp: 1092194
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.5 12.7



#18
 1,1-Dichloroethene
 Concen: 10.076 ppbv
 RT: 4.30 min Scan# 471
 Delta R.T. 0.02 min
 Lab File: VL038832.D
 Acq: 6 Apr 2022 13:44

Tgt Ion: 96 Resp: 514465
 Ion Ratio Lower Upper
 96 100
 61 179.7 156.1 234.1
 98 61.6 53.0 79.6





#19

Isopropyl Alcohol

Concen: 10.067 ppbv

RT: 3.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

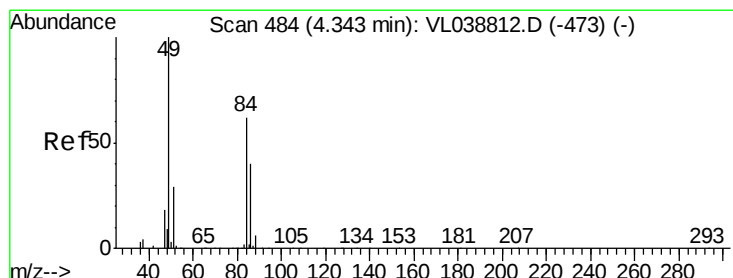
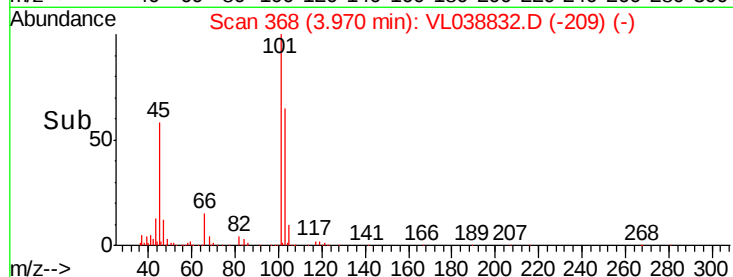
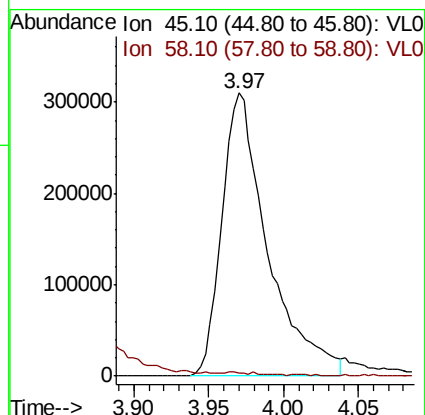
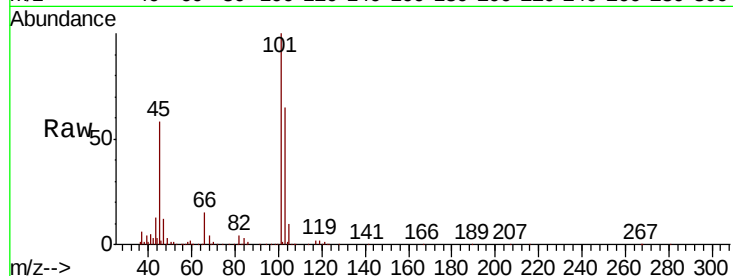
Acq: 6 Apr 2022 13:44

Tot Ion: 45 Resp: 657166

Ion Ratio Lower Upper

45 100

58 51.3 0.0 0.0#



#20

Methylene Chloride

Concen: 9.313 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL038832.D

Acq: 6 Apr 2022 13:44

Tgt Ion: 84 Resp: 431391

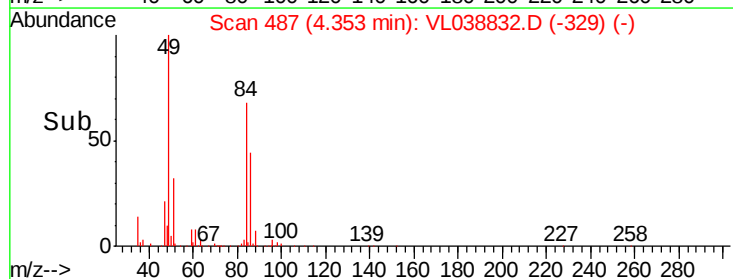
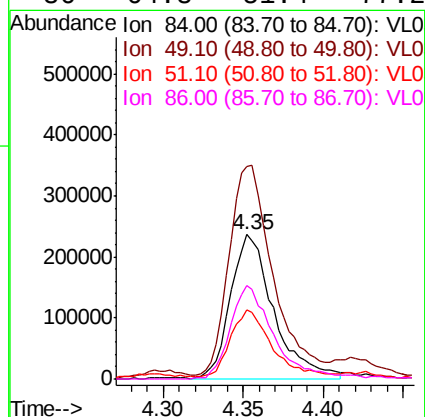
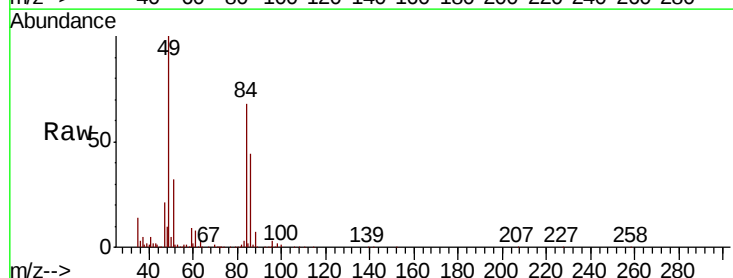
Ion Ratio Lower Upper

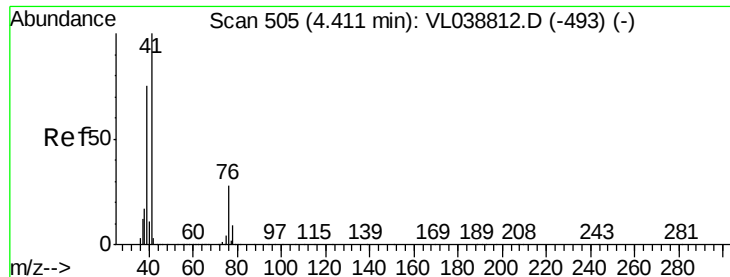
84 100

49 144.9 129.4 194.0

51 46.0 37.4 56.2

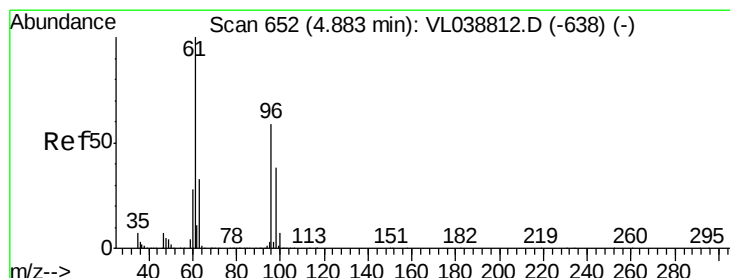
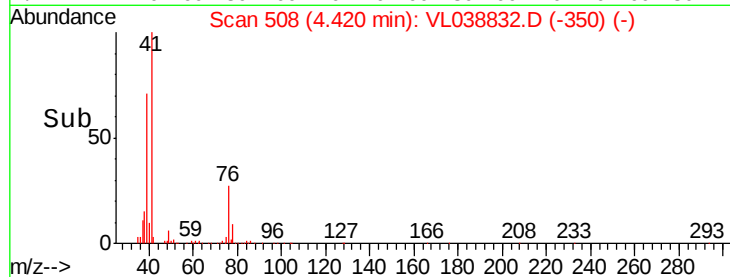
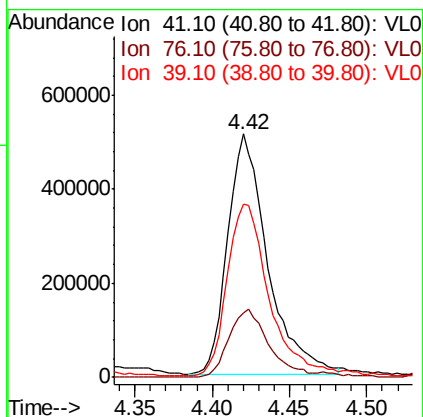
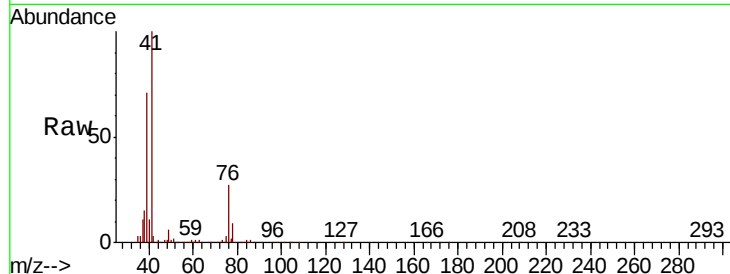
86 64.8 51.4 77.2





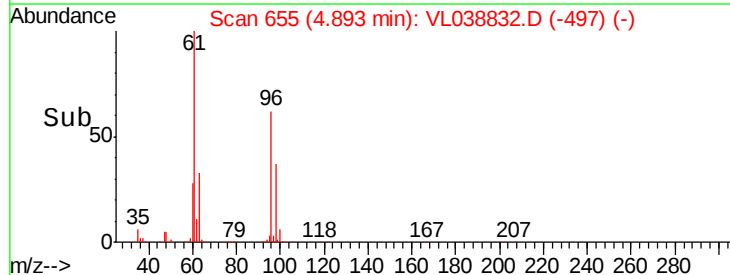
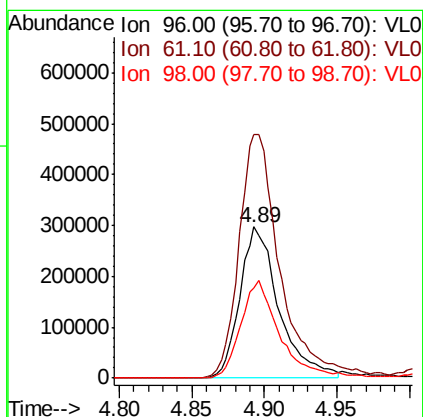
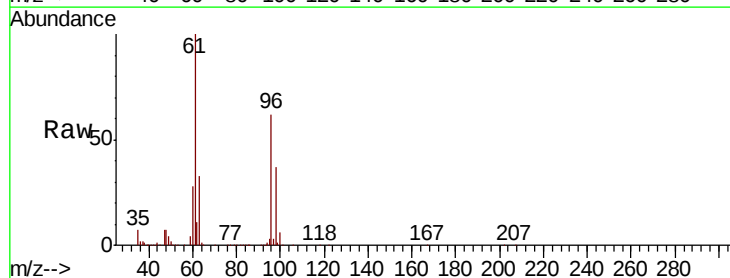
#21
 Allvl Chloride
 Concen: 9.623 ppbv
 RT: 4.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 6 Apr 2022 13:44

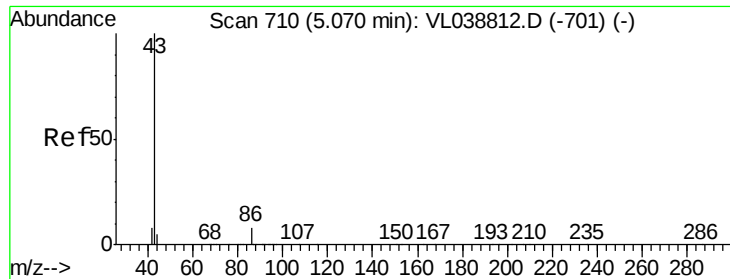
Tot Ion:	41	Resp:	920205
Ion	Ratio	Lower	Upper
41	100		
76	29.9	23.7	35.5
39	76.0	62.0	93.0



#22
 trans-1,2-Dichloroethene
 Concen: 10.810 ppbv
 RT: 4.89 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VL038832.D
 Acq: 6 Apr 2022 13:44

Tgt Ion:	96	Resp:	558793
Ion	Ratio	Lower	Upper
96	100		
61	161.1	134.8	202.2
98	59.5	51.9	77.9





#23

Vinyl Acetate

Concen: 10.019 ppbv

RT: 5.08 Instrument:

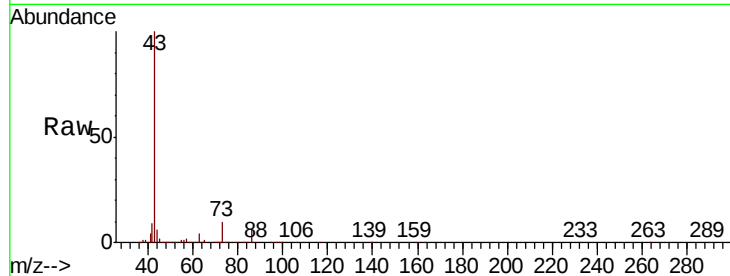
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

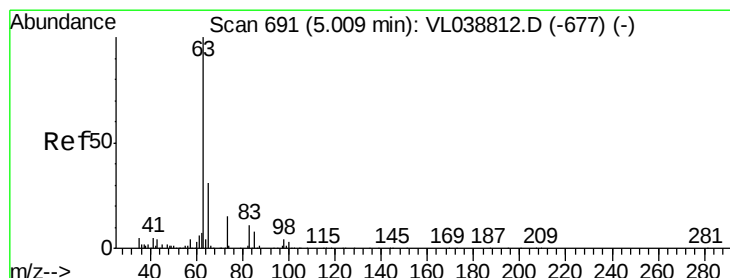
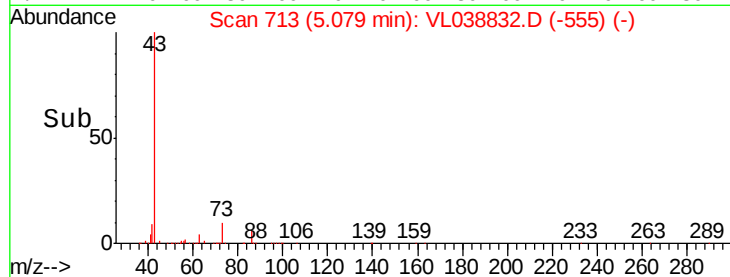
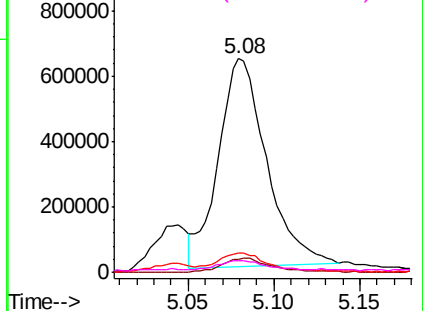
Acq: 6 Apr 2022 13:44 VSTDCCC010EC

Tot Ion: 43 Resp: 1246117

Ion	Ratio	Lower	Upper
43	100		
86	5.9	5.8	8.6
42	8.9	7.8	11.6
44	4.9	3.6	5.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
 1000000 Ion 86.10 (85.80 to 86.80): VL0
 800000 Ion 42.10 (41.80 to 42.80): VL0
 600000 Ion 44.10 (43.80 to 44.80): VL0
 400000
 200000
 0



#24

1,1-Dichloroethane

Concen: 9.844 ppbv

RT: 5.02 min Scan# 695

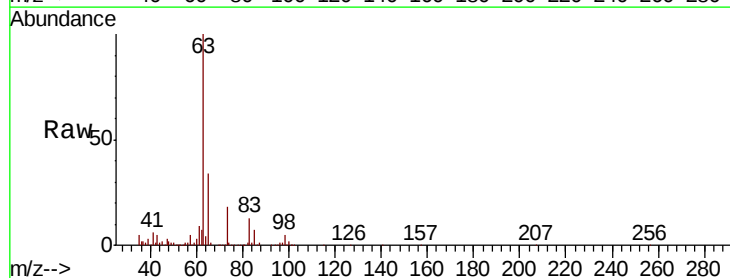
Delta R.T. 0.01 min

Lab File: VL038832.D

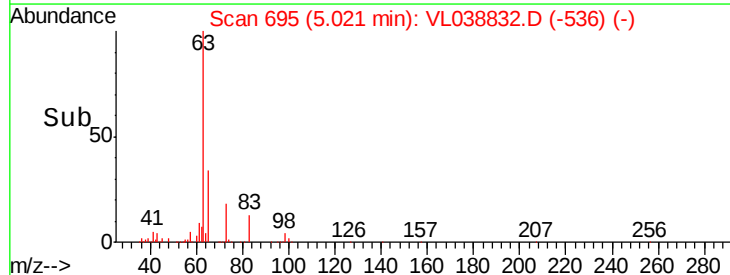
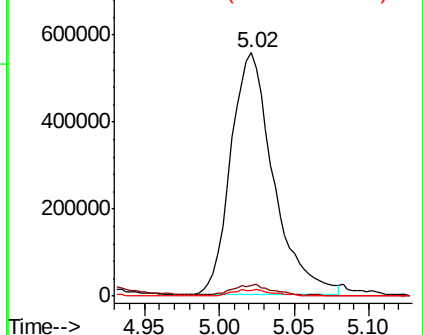
Acq: 6 Apr 2022 13:44

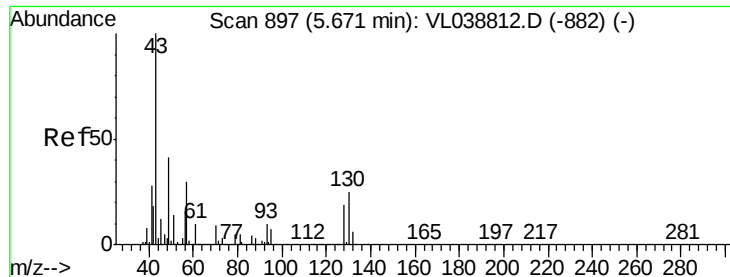
Tgt Ion: 63 Resp: 1106507

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.2	6.6
100	2.3	1.4	4.0



Abundance Ion 63.10 (62.80 to 63.80): VL0
 600000 Ion 98.00 (97.70 to 98.70): VL0
 400000 Ion 100.00 (99.70 to 100.70): VL0
 200000
 0

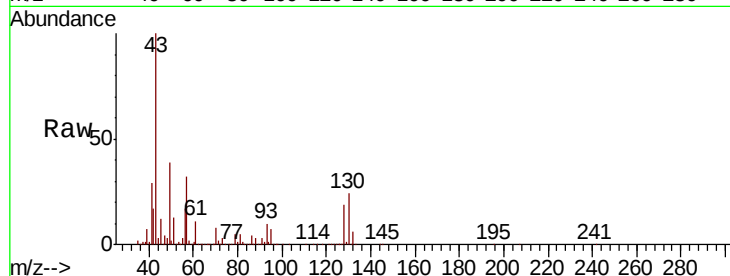




#25
Ethyl Acetate
Concen: 10.014 ppbv
RT: 5.68 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 6 Apr 2022 13:44

Tot Ion: 43 Resp: 3245348

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.4	12.6
61	9.8	7.9	11.9
70	7.2	5.6	8.4



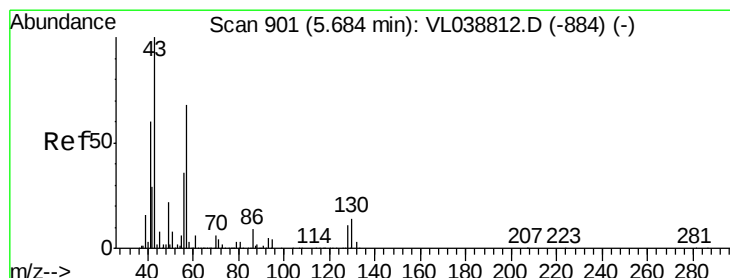
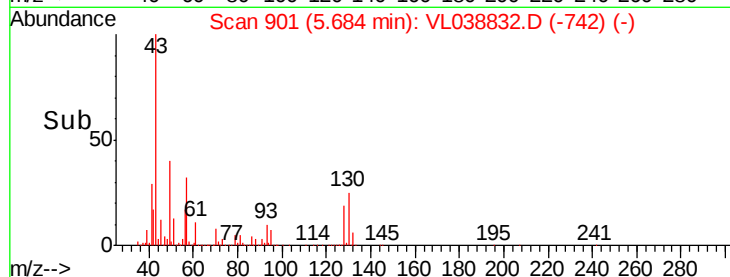
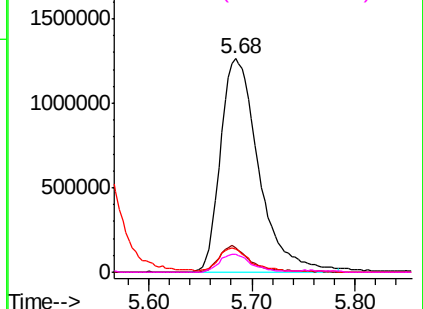
Abundance

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

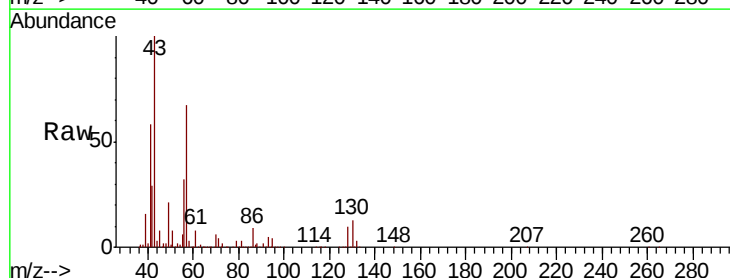
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.770 ppbv
RT: 5.70 min Scan# 905
Delta R.T.: 0.01 min
Lab File: VL038832.D
Acq: 6 Apr 2022 13:44

Tgt Ion: 57 Resp: 1441150

Ion	Ratio	Lower	Upper
57	100		
41	87.1	72.0	108.0
43	228.9	186.6	280.0
56	51.1	42.8	64.2



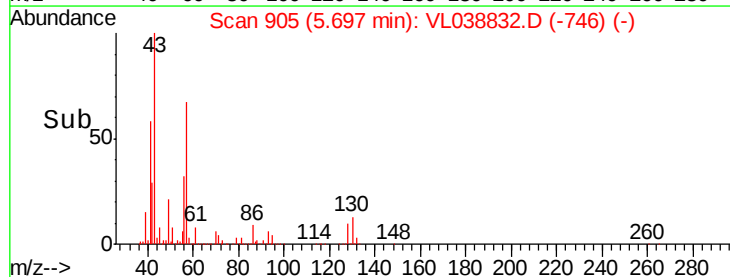
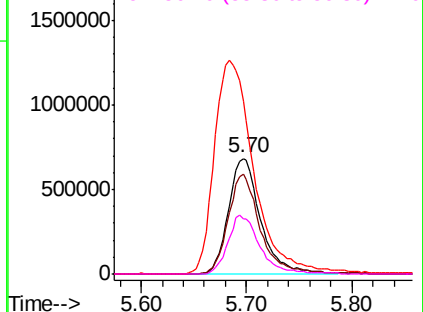
Abundance

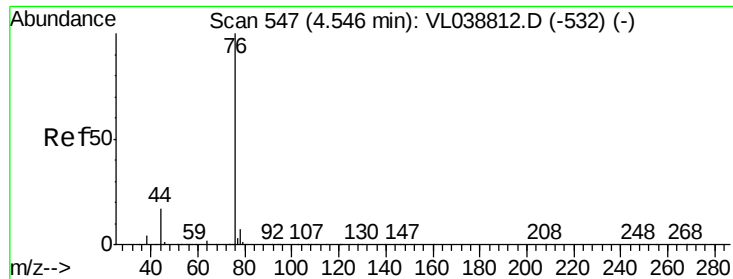
Ion 57.10 (56.80 to 57.80): VL0

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: 10.400 ppbv

RT: 4.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 Apr 2022 13:44 VSTDCCC010EC

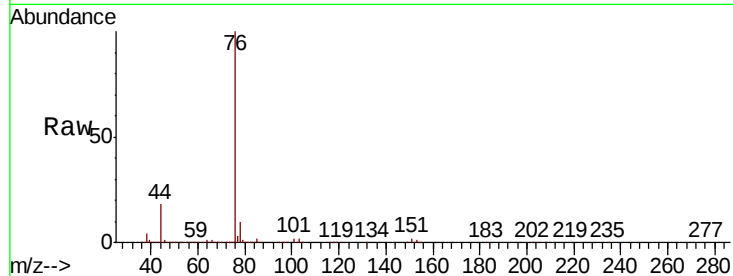
Tot Ion: 76 Resp: 1406853

Ion Ratio Lower Upper

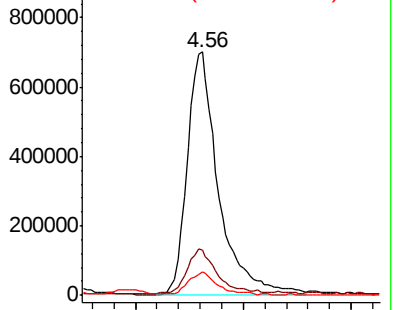
76 100

44 18.2 15.7 23.5

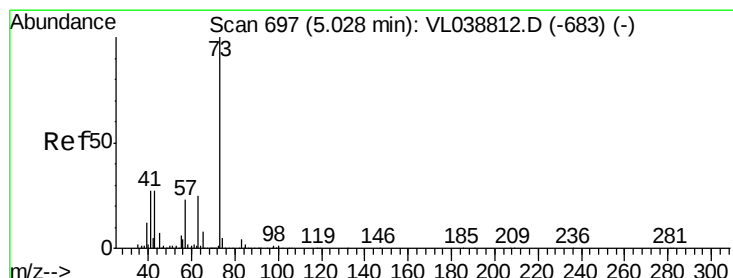
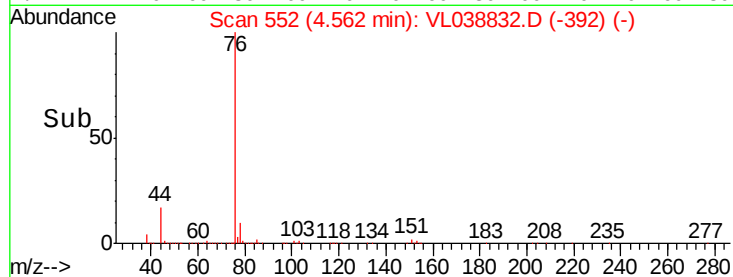
78 9.9 7.8 11.8



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



Time-->



#28

Methyl tert-Butyl Ether

Concen: 9.841 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.01 min

Lab File: VL038832.D

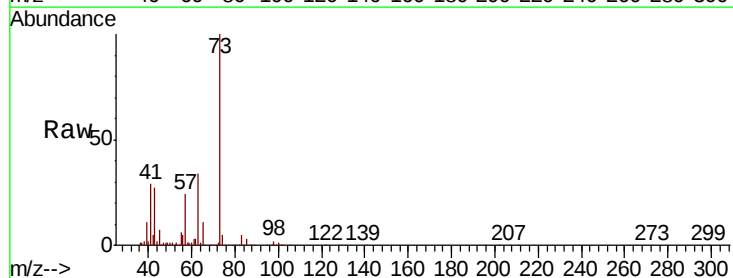
Acq: 6 Apr 2022 13:44

Tgt Ion: 73 Resp: 1121140

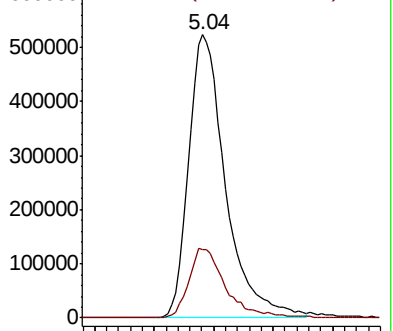
Ion Ratio Lower Upper

73 100

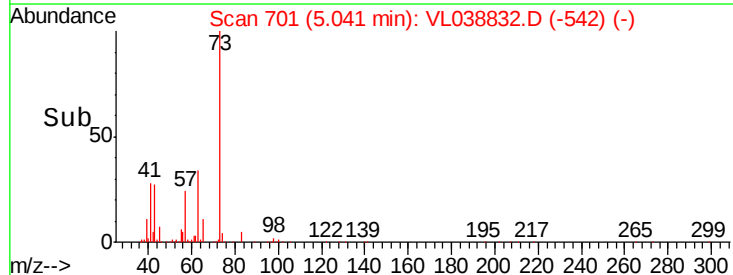
57 24.9 19.7 29.5

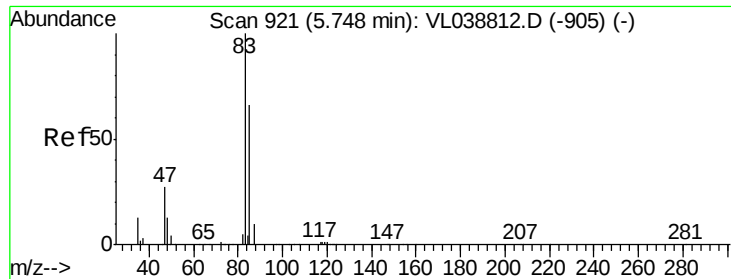


Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0



Time-->





#29

Chloroform

Concen: 9.945 ppbv

RT: 5.76 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

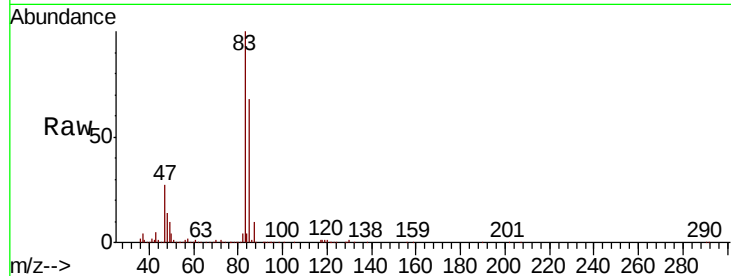
Acq: 6 Apr 2022 13:44

Tot Ion: 83 Resp: 2052564

Ion Ratio Lower Upper

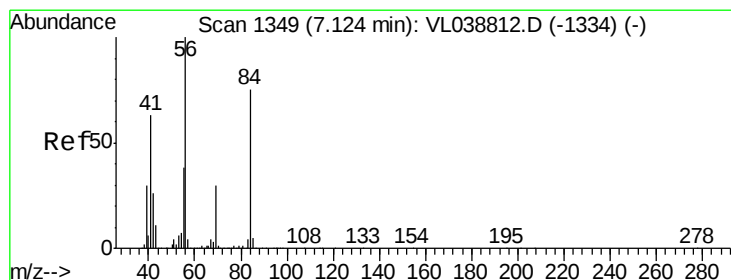
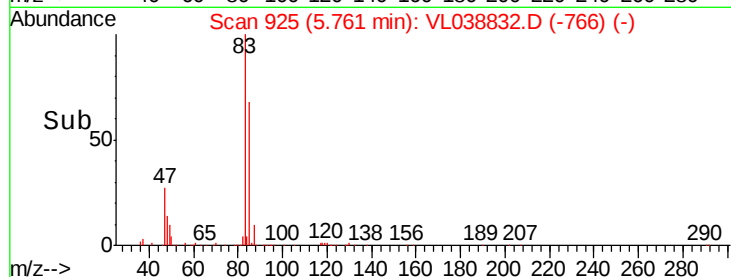
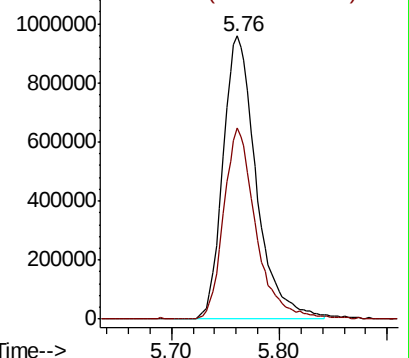
83 100

85 67.4 52.5 78.7



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 9.743 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. 0.01 min

Lab File: VL038832.D

Acq: 6 Apr 2022 13:44

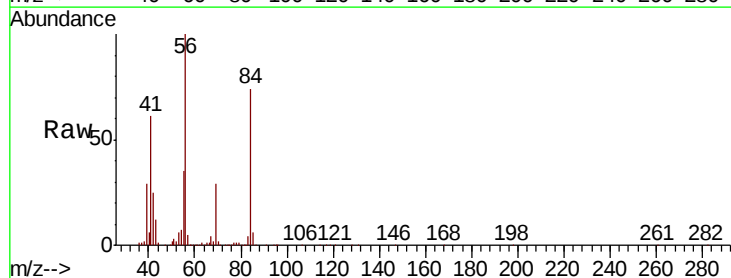
Tgt Ion: 84 Resp: 1266695

Ion Ratio Lower Upper

84 100

56 139.6 114.4 171.6

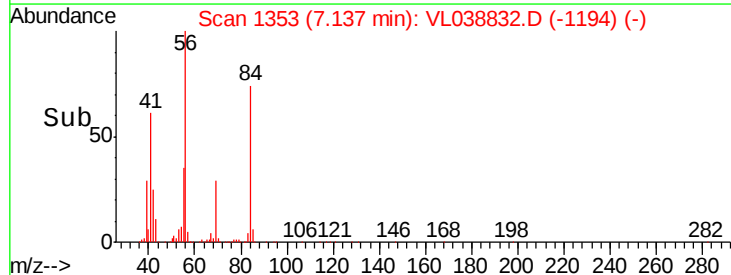
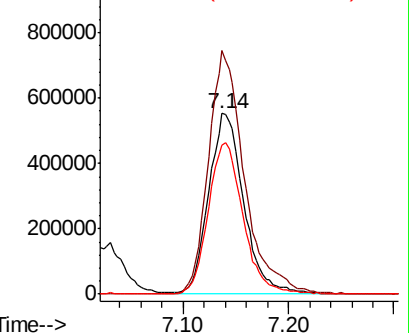
41 83.8 69.0 103.4

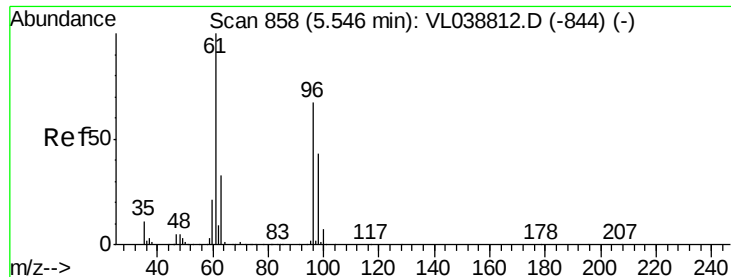


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

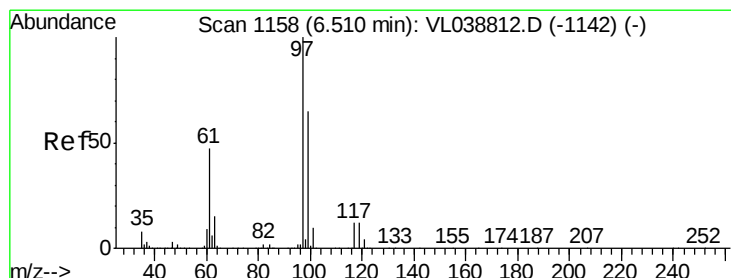
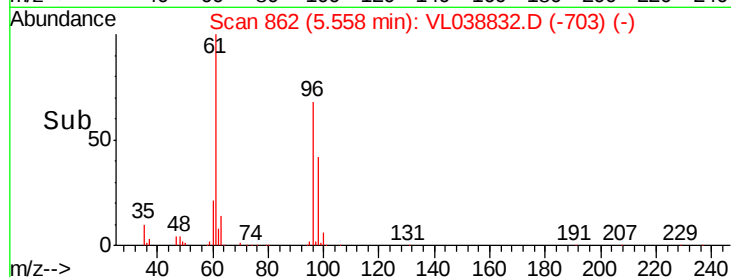
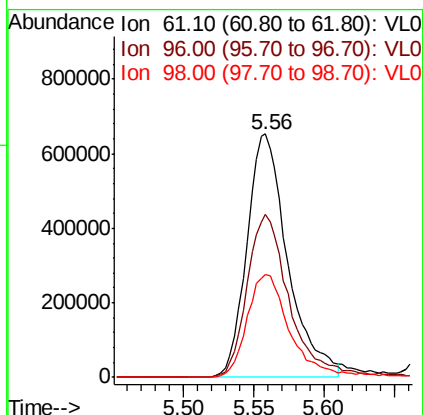
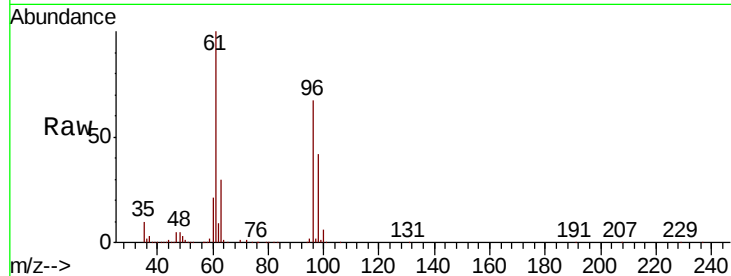
Ion 41.10 (40.80 to 41.80): VL0





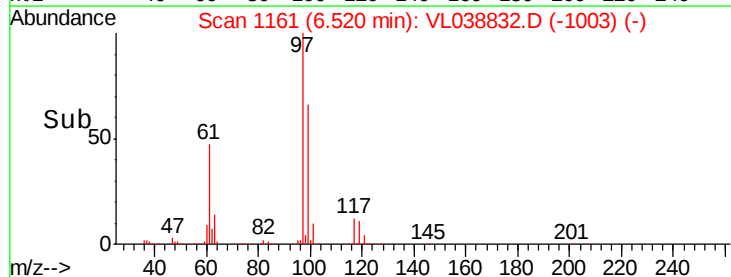
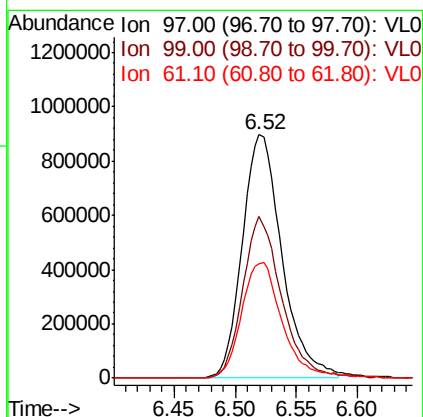
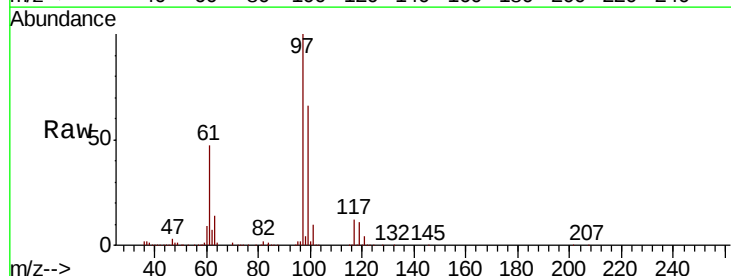
#31
 cis-1,2-Dichloroethene
 Concen: 9.734 ppbv
 RT: 5.56
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 6 Apr 2022 13:44

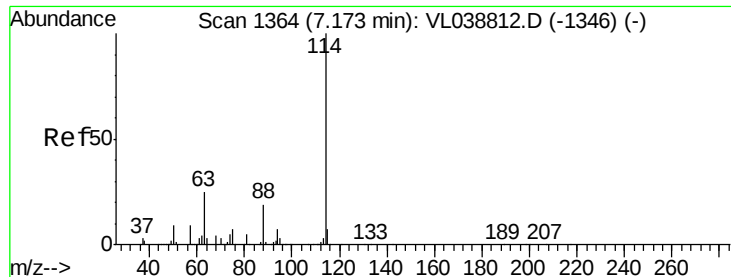
Tot Ion: 61 Resp: 1320232
 Ion Ratio Lower Upper
 61 100
 96 66.5 53.4 80.0
 98 42.3 34.2 51.4



#32
 1,1,1-Trichloroethane
 Concen: 9.679 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VL038832.D
 Acq: 6 Apr 2022 13:44

Tgt Ion: 97 Resp: 2012646
 Ion Ratio Lower Upper
 97 100
 99 65.4 52.4 78.6
 61 48.9 38.6 57.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19

Instrument: MSVOA_1

Delta R.T.:

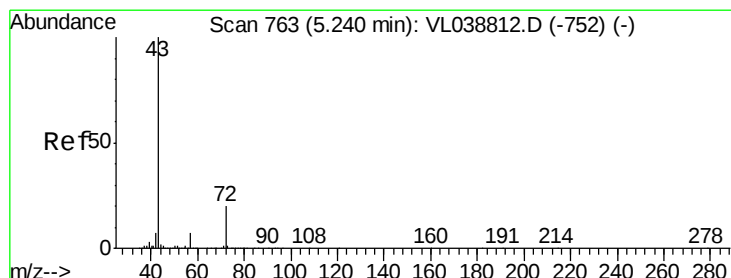
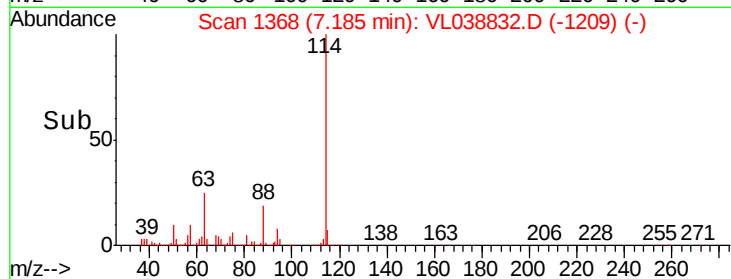
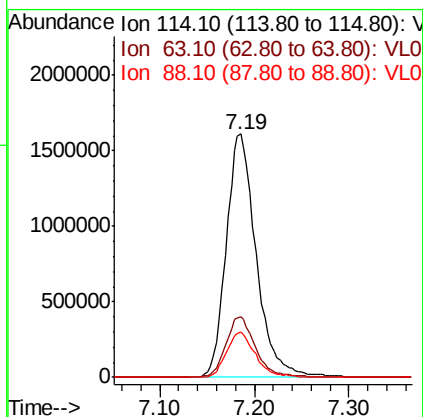
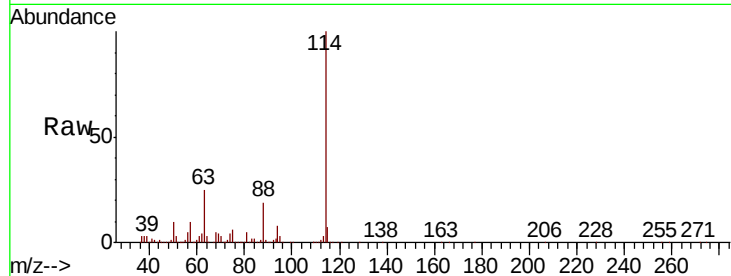
ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 6 Apr 2022 13:44

Tot Ion:114 Resp: 3548102

Ion	Ratio	Lower	Upper
114	100		
63	24.9	19.8	29.8
88	18.1	14.2	21.4



#34

2-Butanone

Concen: 9.869 ppbv

RT: 5.25 min Scan# 766

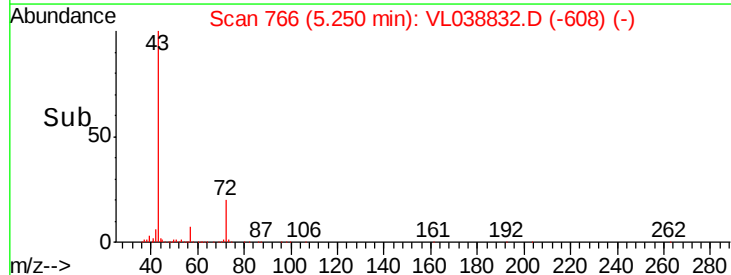
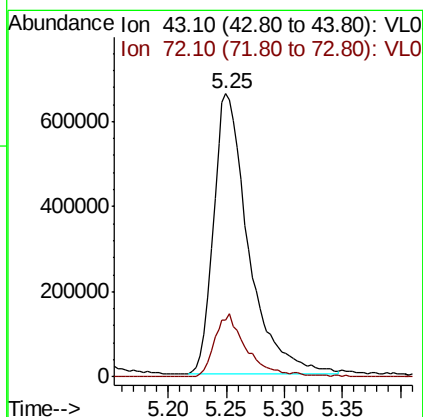
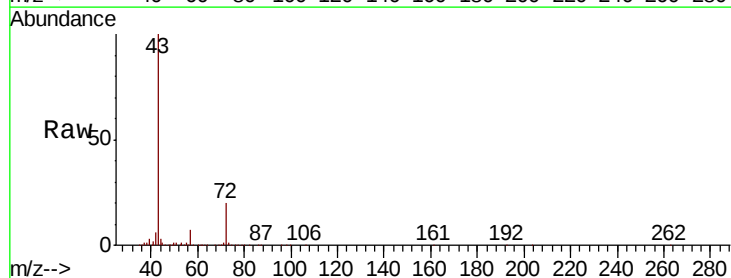
Delta R.T. 0.01 min

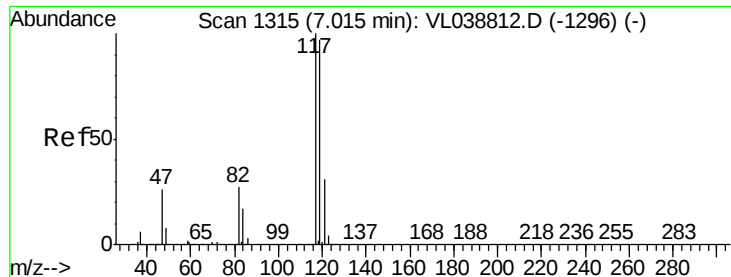
Lab File: VL038832.D

Acq: 6 Apr 2022 13:44

Tgt Ion: 43 Resp: 1383646

Ion	Ratio	Lower	Upper
43	100		
72	21.5	16.9	25.3

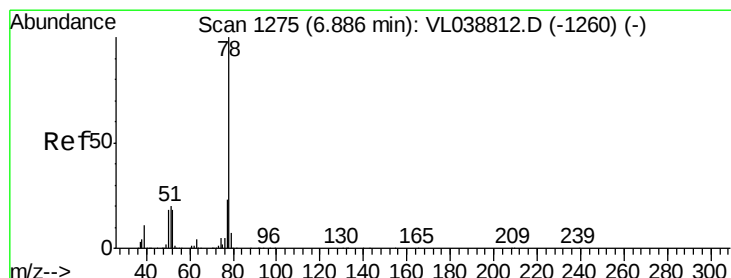
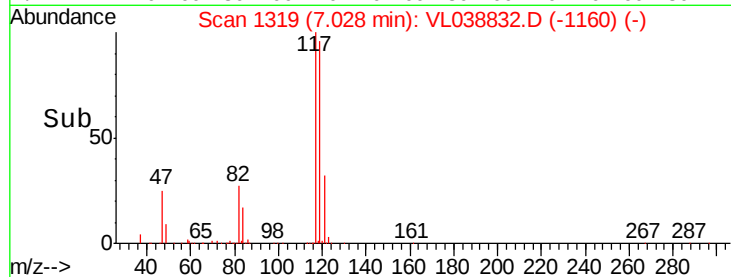
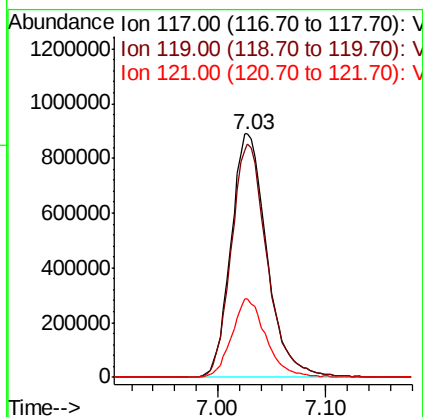
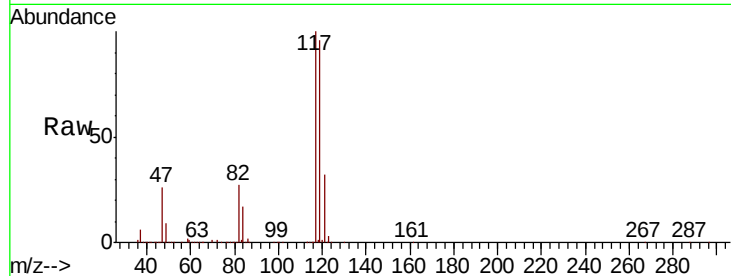




#35
 Carbon Tetrachloride
 Concen: 9.701 ppbv
 RT: 7.03
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 6 Apr 2022 13:44

Tot Ion:117 Resp: 2063594

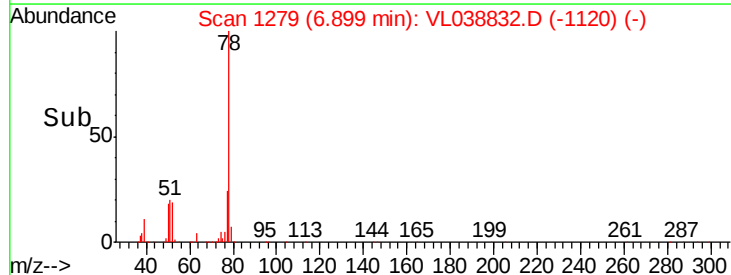
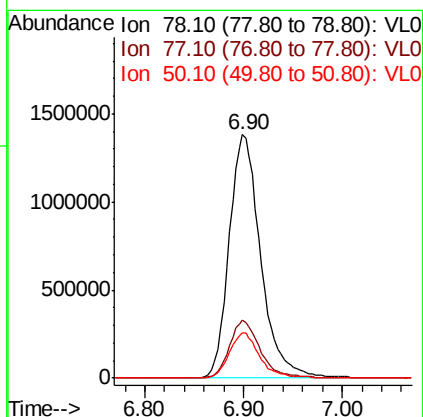
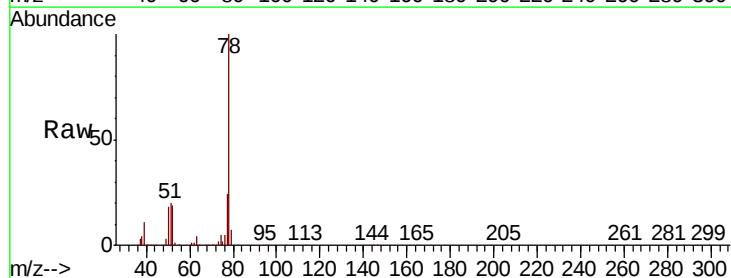
Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.7	116.5
121	32.3	24.5	36.7

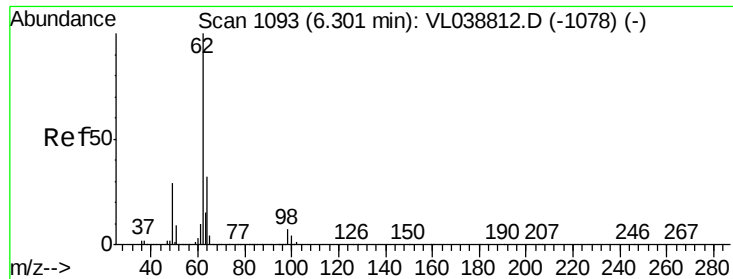


#36
 Benzene
 Concen: 9.495 ppbv
 RT: 6.90 min Scan# 1279
 Delta R.T. 0.01 min
 Lab File: VL038832.D
 Acq: 6 Apr 2022 13:44

Tgt Ion: 78 Resp: 3064631

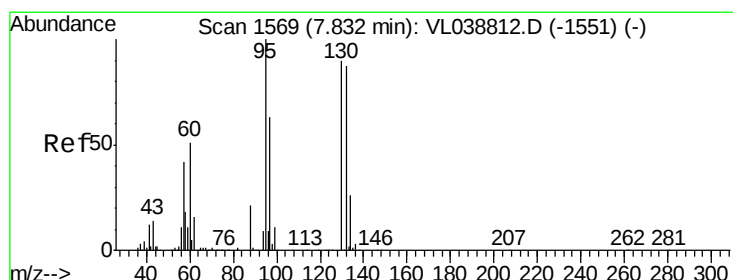
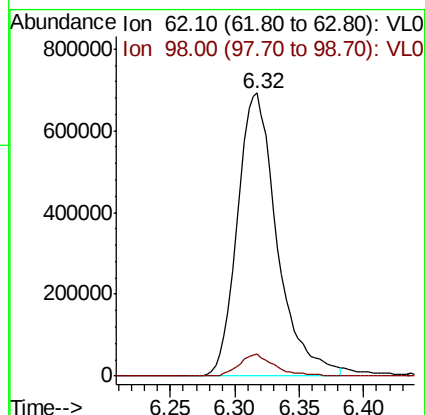
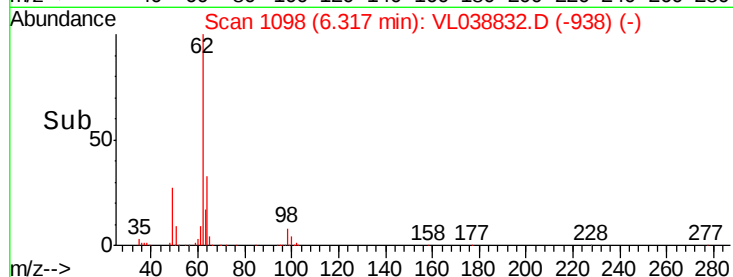
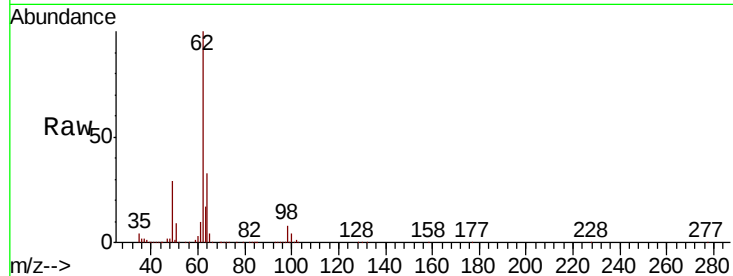
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.2	27.2
50	18.3	14.0	21.0





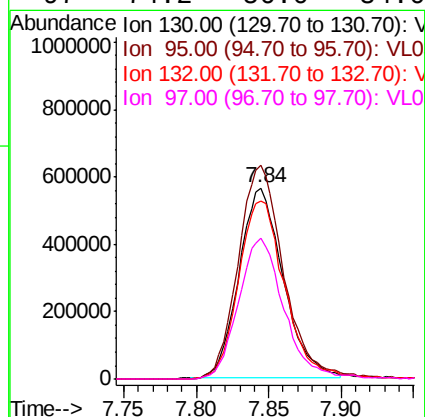
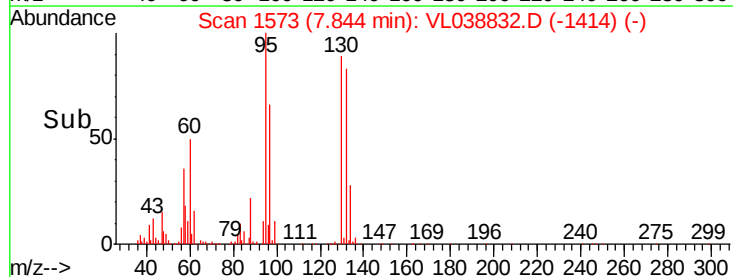
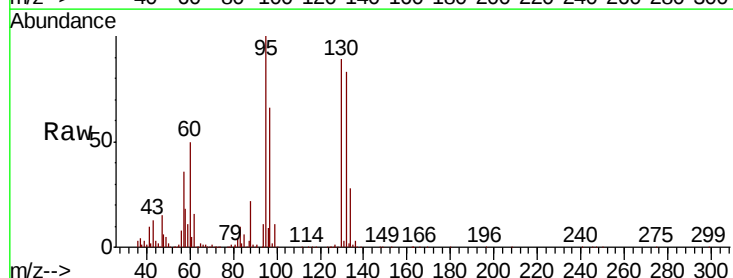
#37
 1,2-Dichloroethane
 Concen: 10.049 ppbv
 RT: 6.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 6 Apr 2022 13:44

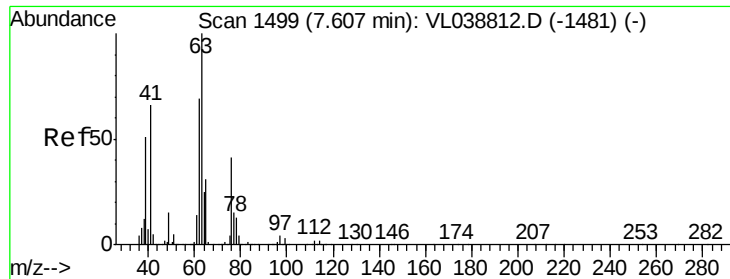
Tot Ion: 62 Resp: 1482999
 Ion Ratio Lower Upper
 62 100
 98 7.3 5.9 8.9



#38
 Trichloroethene
 Concen: 9.026 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VL038832.D
 Acq: 6 Apr 2022 13:44

Tgt Ion: 130 Resp: 1195380
 Ion Ratio Lower Upper
 130 100
 95 112.2 89.4 134.0
 132 93.5 77.7 116.5
 97 74.2 56.0 84.0





#39

1,2-Dichloropropane

Concen: 9.746 ppbv

RT: 7.62 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 Apr 2022 13:44 VSTDCCC010EC

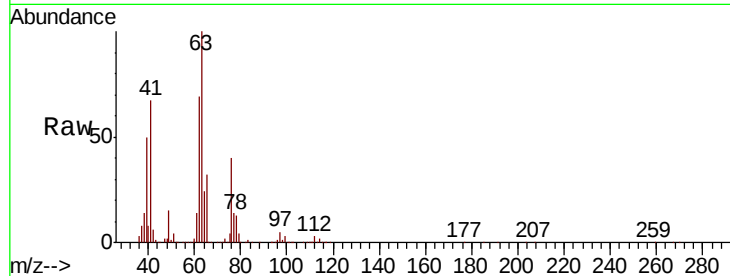
Tot Ion: 63 Resp: 1203236

Ion Ratio Lower Upper

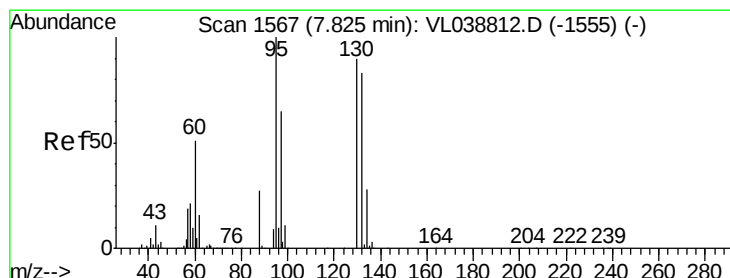
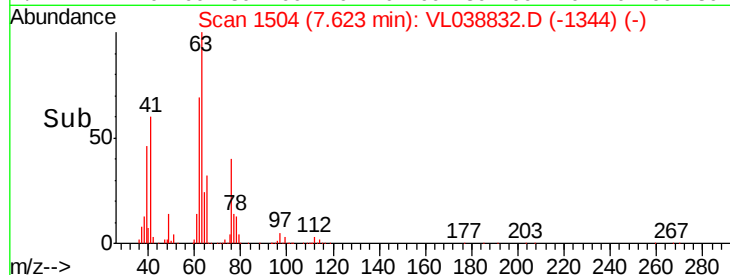
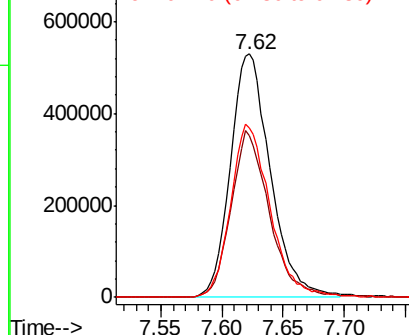
63 100

41 66.3 53.0 79.6

62 69.3 55.0 82.4



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: 9.540 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VL038832.D

Acq: 6 Apr 2022 13:44

Tgt Ion: 88 Resp: 399942

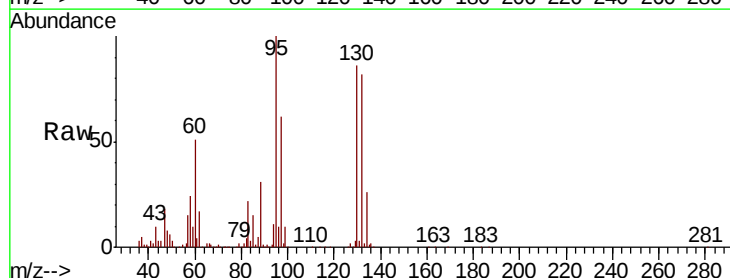
Ion Ratio Lower Upper

88 100

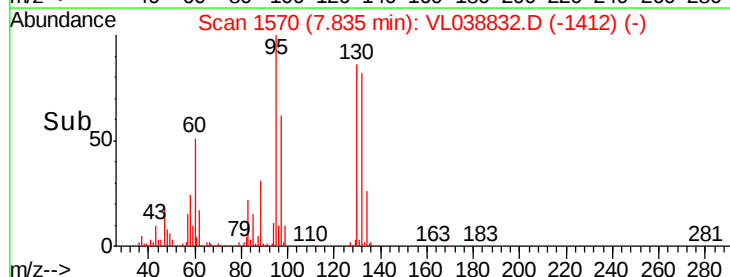
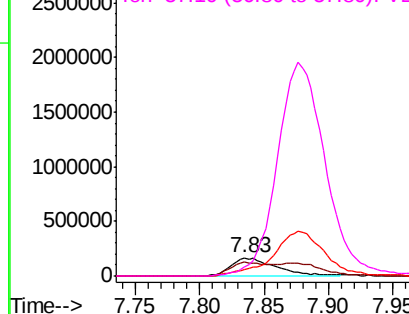
58 55.8 49.4 74.0

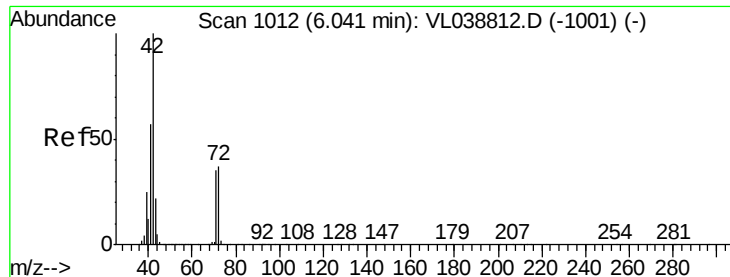
43 0.0 0.0 0.0

57 0.0 0.0 0.0



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: 9.882 ppbv

RT: 6.06 Instrument: MSVOA_1

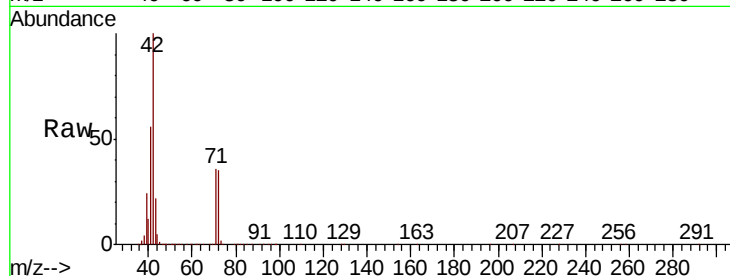
Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010EC

Acq: 6 Apr 2022 13:44

Tot Ion: 42 Resp: 1315877

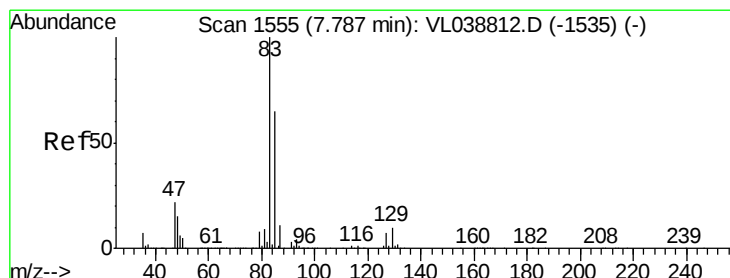
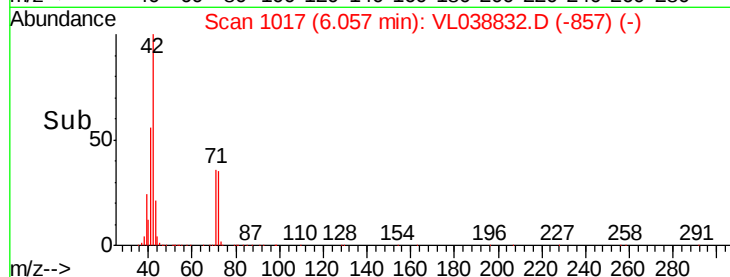
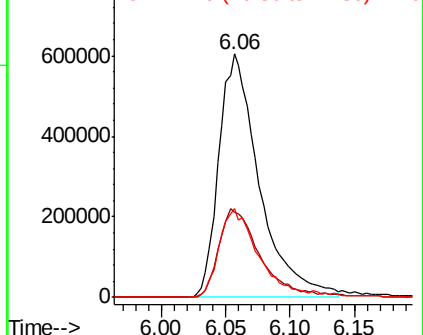
Ion	Ratio	Lower	Upper
42	100		
72	38.1	31.4	47.0
71	37.0	30.2	45.4



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: 9.787 ppbv

RT: 7.80 min Scan# 1559

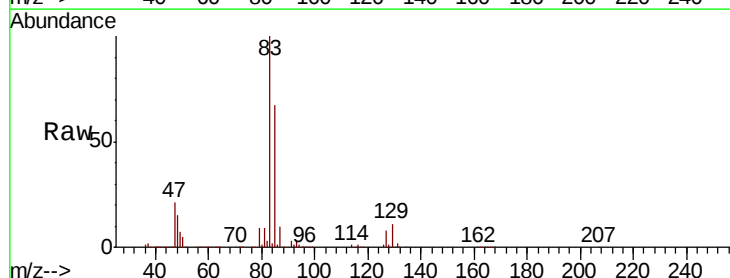
Delta R.T. 0.01 min

Lab File: VL038832.D

Acq: 6 Apr 2022 13:44

Tgt Ion: 83 Resp: 2280703

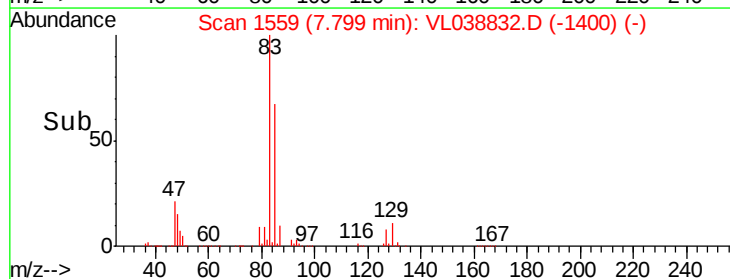
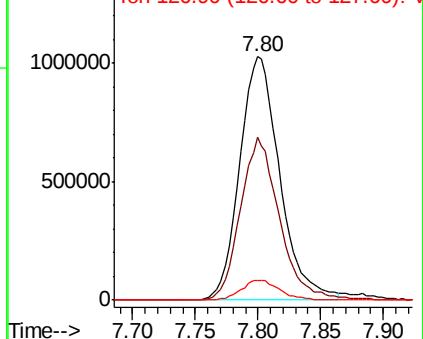
Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.7	77.5
127	7.8	5.9	8.9

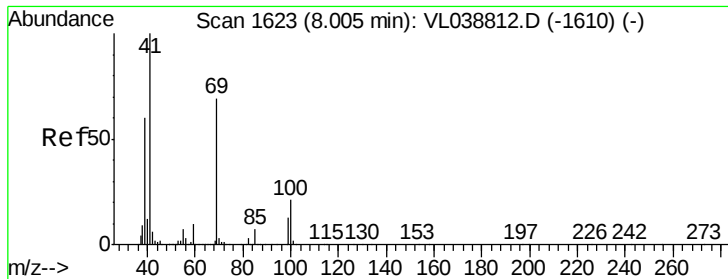


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

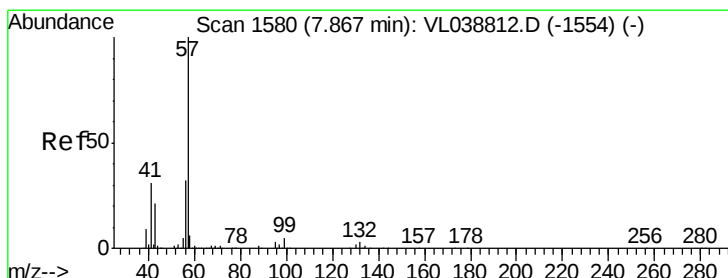
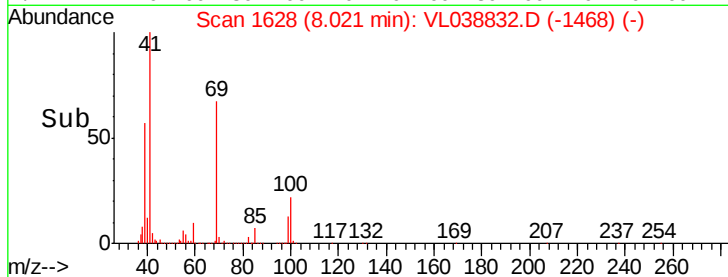
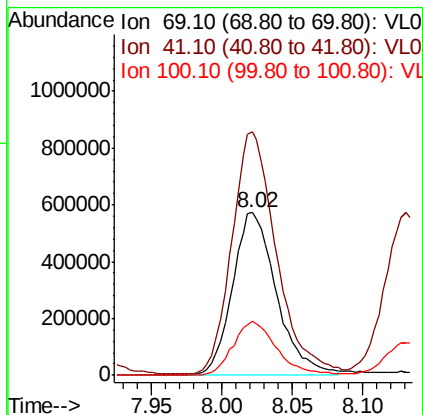
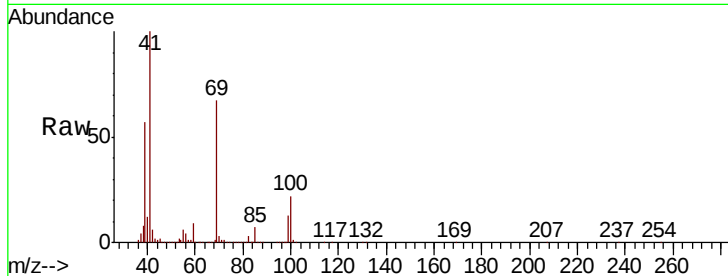
Ion 126.90 (126.60 to 127.60): V





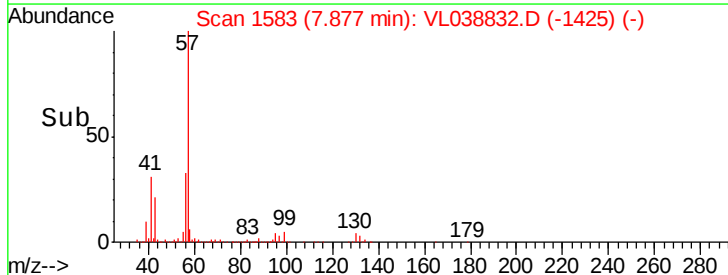
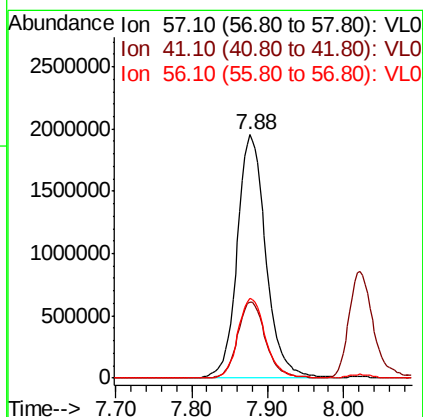
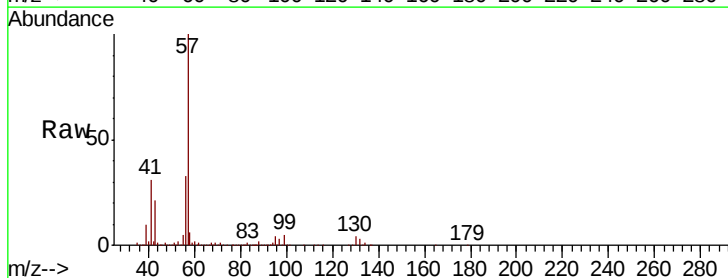
#43
Methyl Methacrylate
Concen: 10.121 ppbv
RT: 8.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 6 Apr 2022 13:44

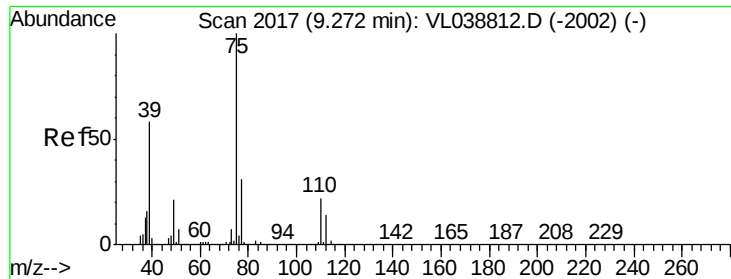
Tot Ion: 69 Resp: 1251247
Ion Ratio Lower Upper
69 100
41 151.2 119.0 178.4
100 32.9 26.4 39.6



#44
2,2,4-Trimethylpentane
Concen: 9.336 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.01 min
Lab File: VL038832.D
Acq: 6 Apr 2022 13:44

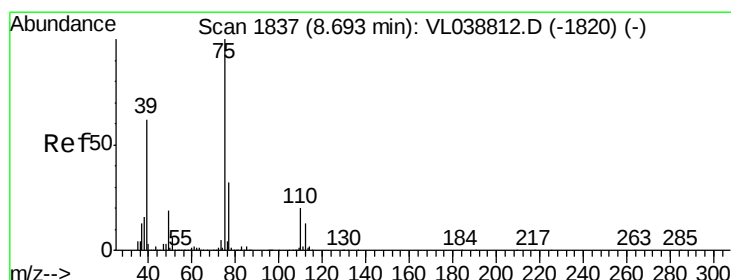
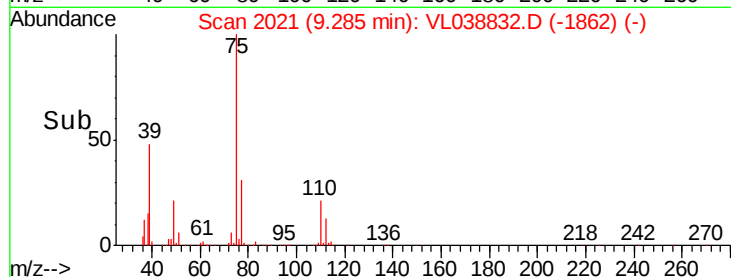
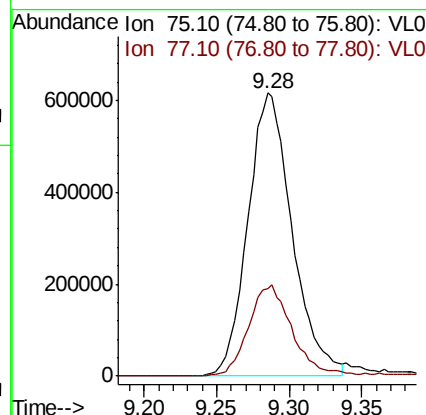
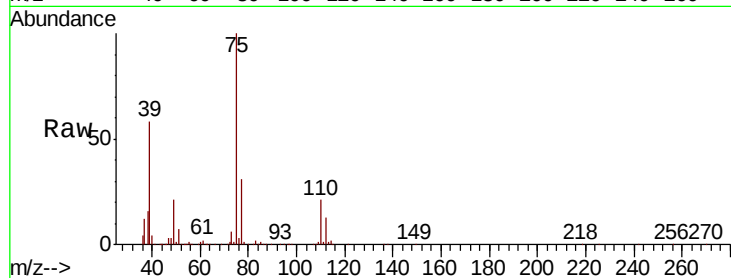
Tgt Ion: 57 Resp: 5101801
Ion Ratio Lower Upper
57 100
41 30.7 25.0 37.4
56 31.8 25.3 37.9





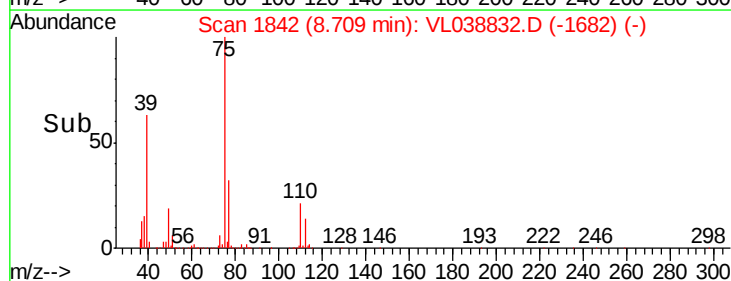
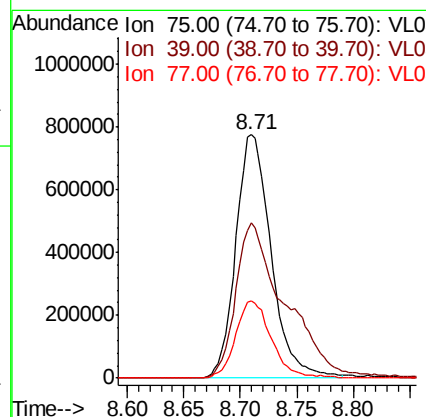
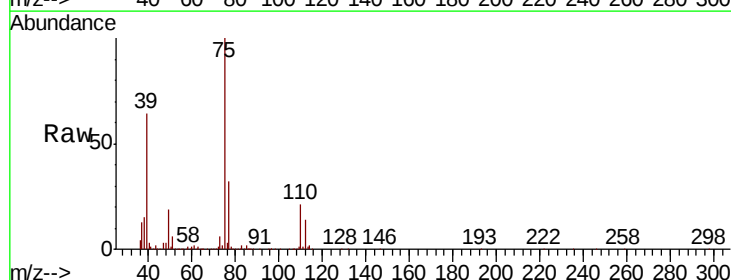
#45
t-1,3-Dichloropropene
Concen: 10.094 ppbv
RT: 9.28
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 6 Apr 2022 13:44

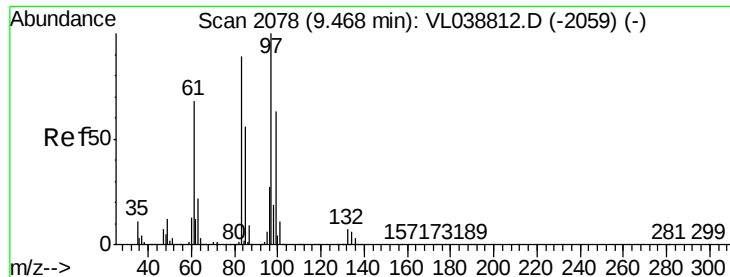
Tot Ion: 75 Resp: 1304816
Ion Ratio Lower Upper
75 100
77 31.1 25.0 37.4



#46
cis-1,3-Dichloropropene
Concen: 9.911 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. 0.02 min
Lab File: VL038832.D
Acq: 6 Apr 2022 13:44

Tgt Ion: 75 Resp: 1689162
Ion Ratio Lower Upper
75 100
39 63.9 49.7 74.5
77 31.6 25.6 38.4





#47

1,1,2-Trichloroethane

Concen: 9.771 ppbv

RT: 9.48 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 Apr 2022 13:44 VSTDCCC010EC

Tot Ion: 97 Resp: 1236054

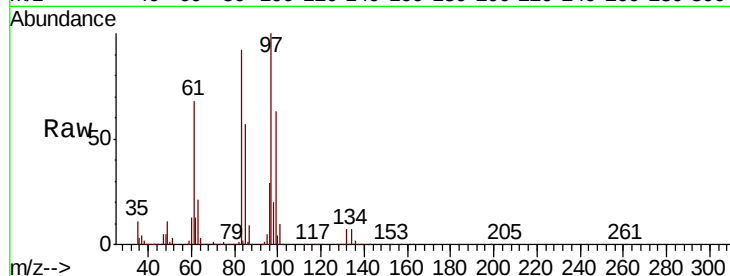
Ion Ratio Lower Upper

97 100

83 92.2 71.1 106.7

85 56.8 45.1 67.7

99 62.8 50.8 76.2

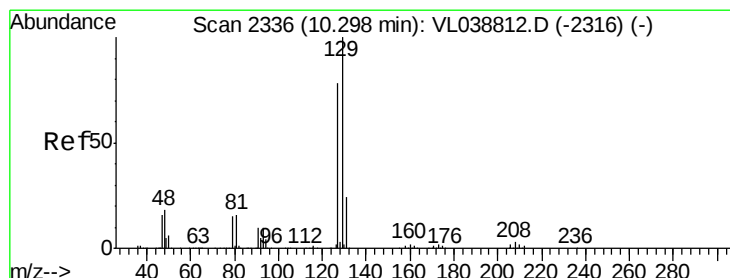
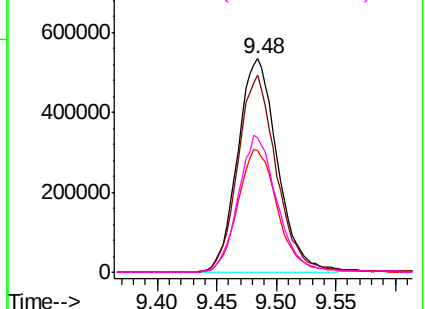
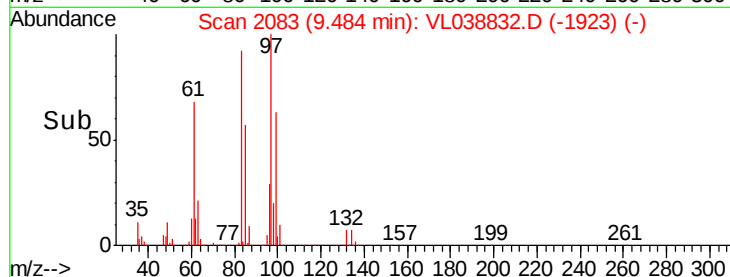


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.952 ppbv

RT: 10.31 min Scan# 2341

Delta R.T. 0.02 min

Lab File: VL038832.D

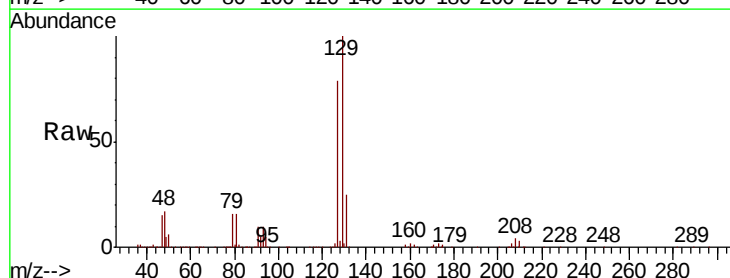
Acq: 6 Apr 2022 13:44

Tgt Ion: 129 Resp: 1973278

Ion Ratio Lower Upper

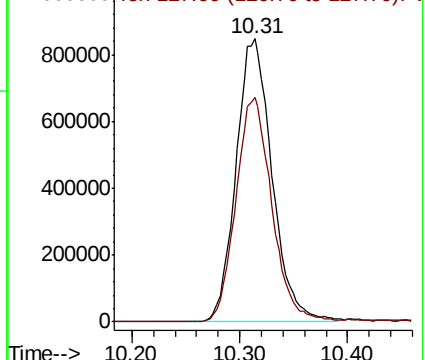
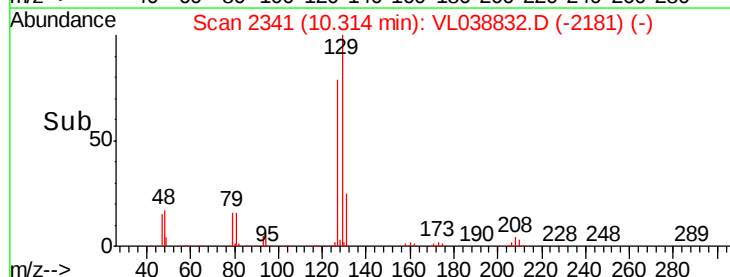
129 100

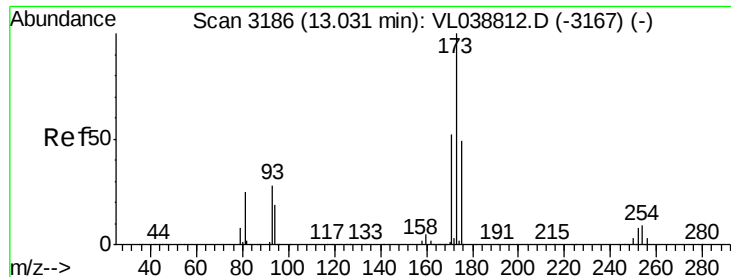
127 80.4 38.9 116.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.058 ppbv

RT: 13.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 6 Apr 2022 13:44

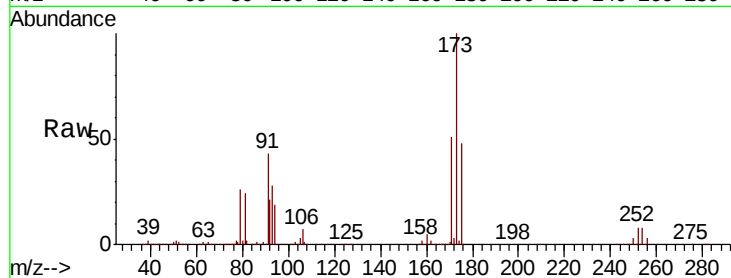
Tot Ion:173 Resp: 1579444

Ion Ratio Lower Upper

173 100

175 51.1 39.9 59.9

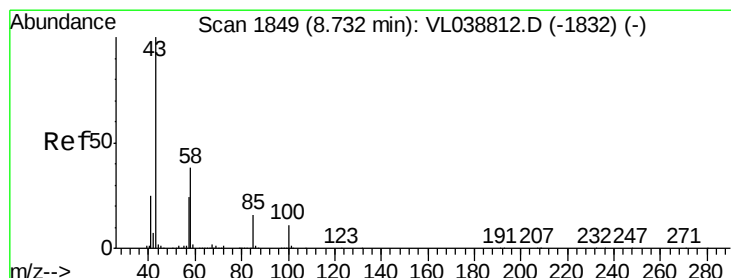
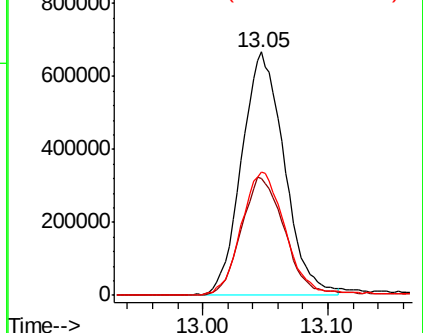
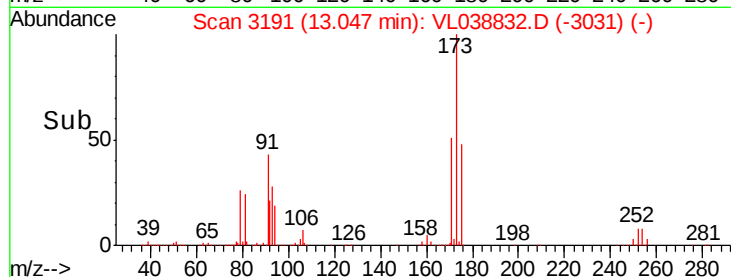
171 52.9 43.4 65.0



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: 10.172 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.02 min

Lab File: VL038832.D

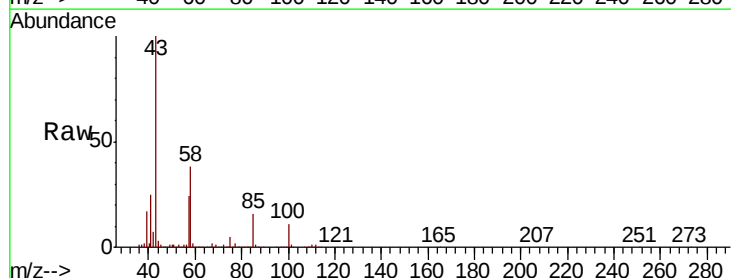
Acq: 6 Apr 2022 13:44

Tgt Ion: 43 Resp: 3207707

Ion Ratio Lower Upper

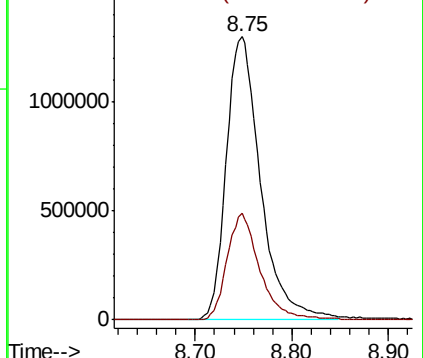
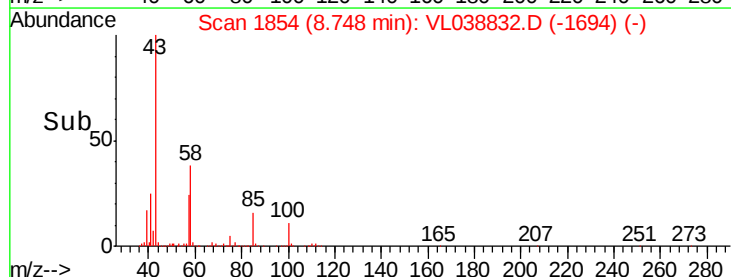
43 100

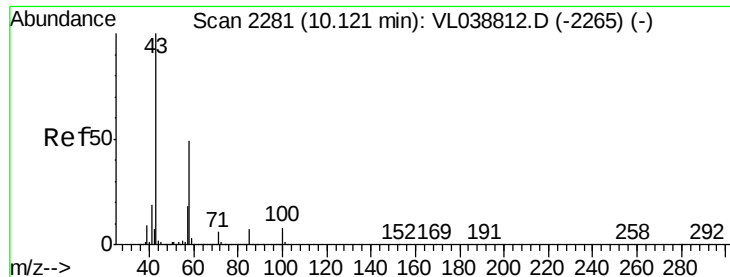
58 36.3 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

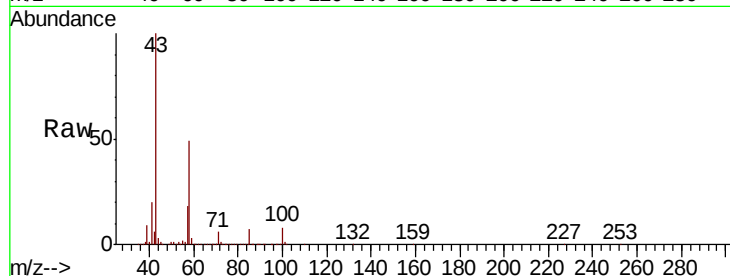




#51
2-Hexanone
Concen: 10.506 ppbv
RT: 10.14 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 6 Apr 2022 13:44

Tot Ion: 43 Resp: 2496341

Ion	Ratio	Lower	Upper
43	100		
58	51.1	41.4	62.0
98	0.1	0.1	0.1

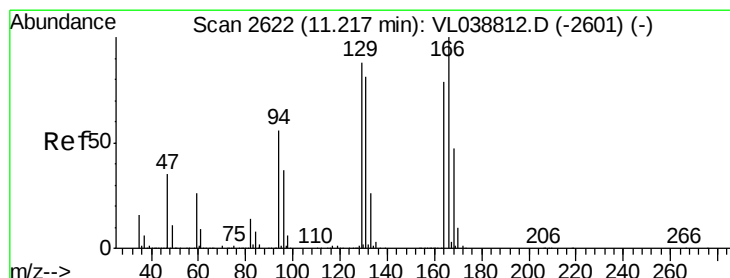
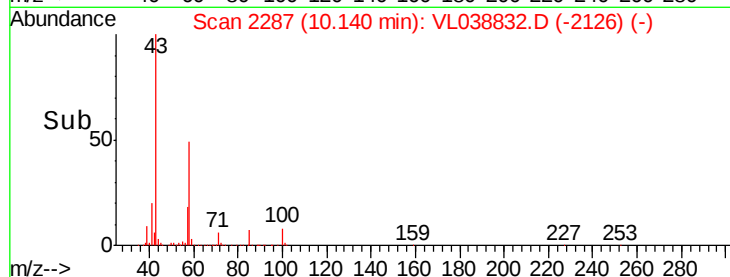
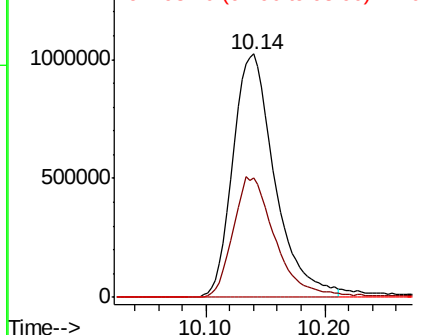


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

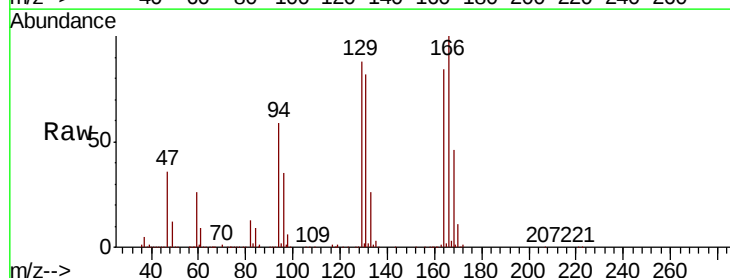
Ion 98.20 (97.90 to 98.90): VL0



#52
Tetrachloroethene
Concen: 9.115 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. 0.01 min
Lab File: VL038832.D
Acq: 6 Apr 2022 13:44

Tgt Ion: 164 Resp: 1027678

Ion	Ratio	Lower	Upper
164	100		
166	119.5	101.0	151.6
129	105.4	88.7	133.1
131	97.3	81.8	122.6



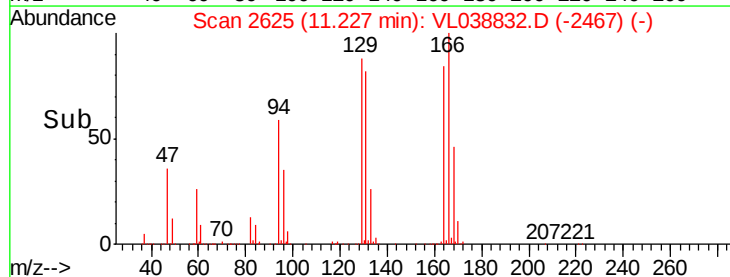
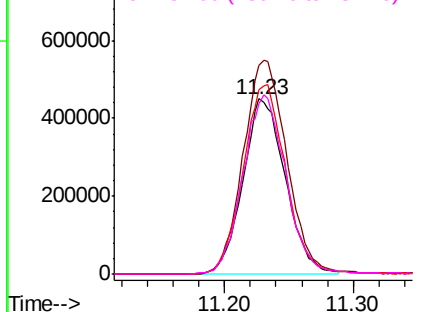
Abundance

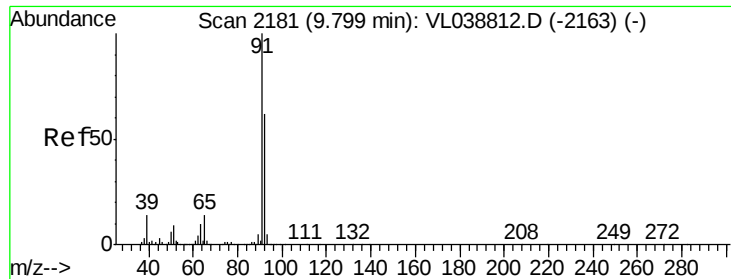
Ion 163.90 (163.60 to 164.60): V

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: 9.604 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

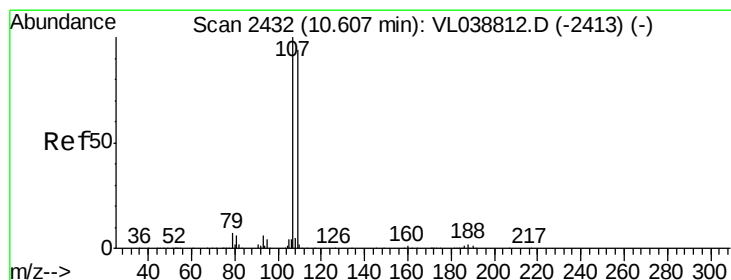
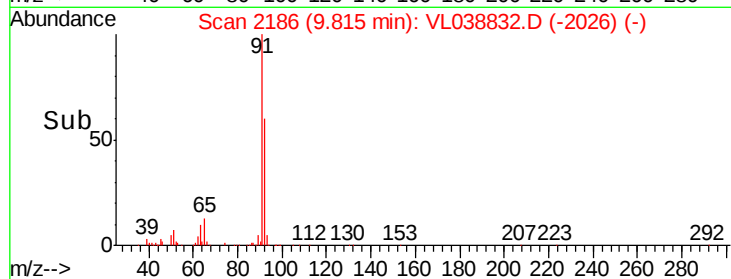
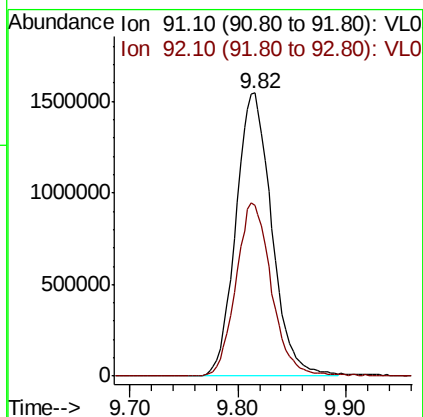
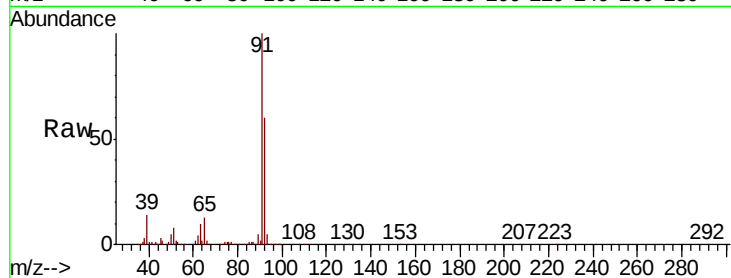
Acq: 6 Apr 2022 13:44 VSTDCCC010EC

Tot Ion: 91 Resp: 3578553

Ion Ratio Lower Upper

91 100

92 61.1 49.2 73.8



#54

1,2-Dibromoethane

Concen: 10.062 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.01 min

Lab File: VL038832.D

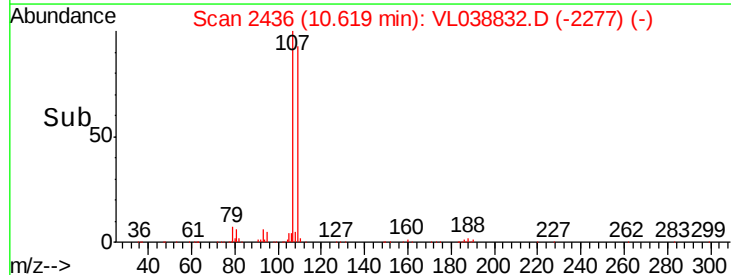
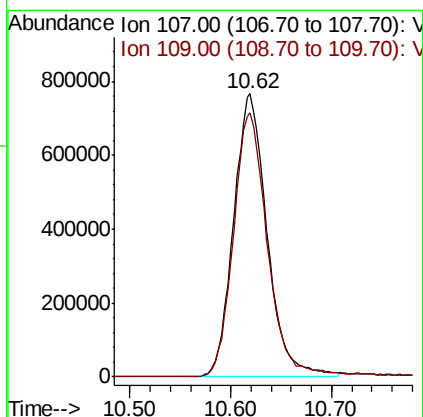
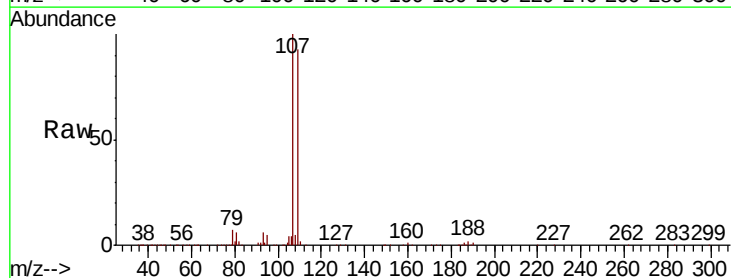
Acq: 6 Apr 2022 13:44

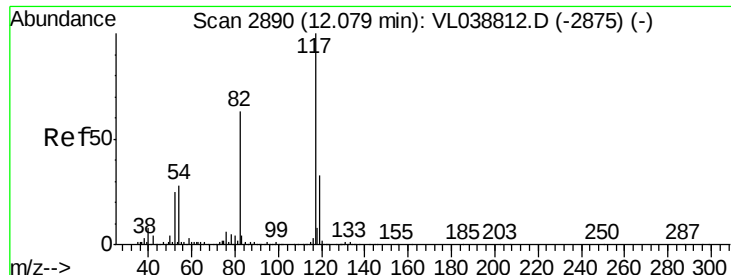
Tgt Ion: 107 Resp: 1768172

Ion Ratio Lower Upper

107 100

109 93.2 75.5 113.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 Apr 2022 13:44 VSTDCCC010EC

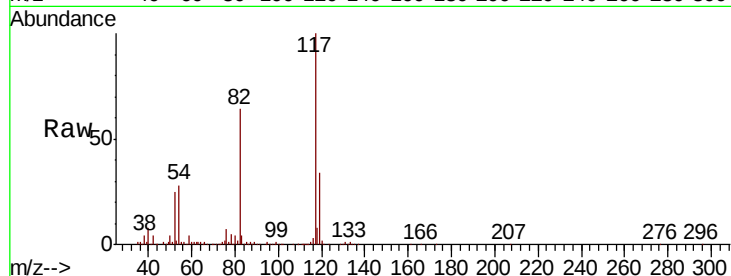
Tot Ion:117 Resp: 4054676

Ion Ratio Lower Upper

117 100

82 51.9 53.0 79.6#

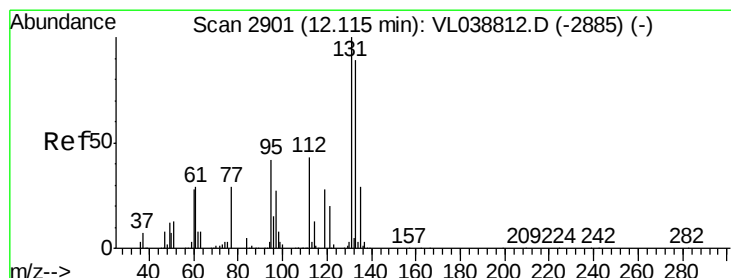
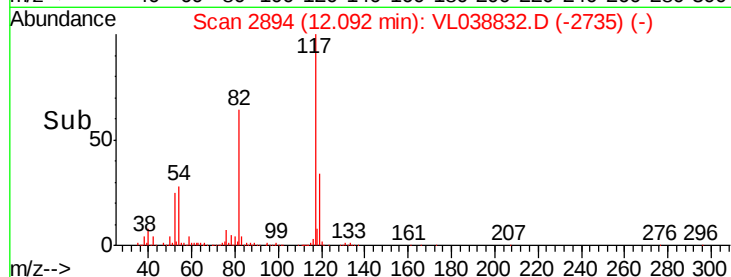
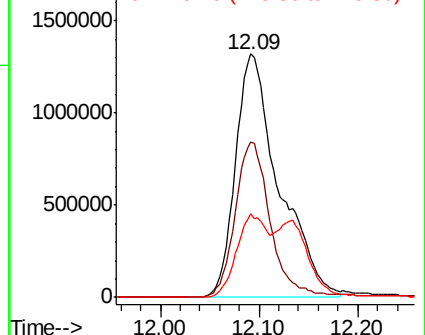
119 23.7 24.9 37.3#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.691 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. 0.02 min

Lab File: VL038832.D

Acq: 6 Apr 2022 13:44

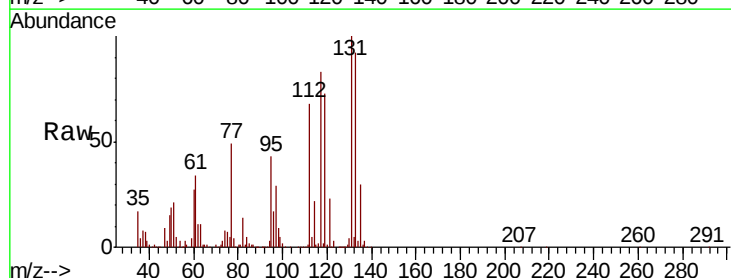
Tgt Ion:131 Resp: 1366608

Ion Ratio Lower Upper

131 100

133 97.3 78.2 117.4

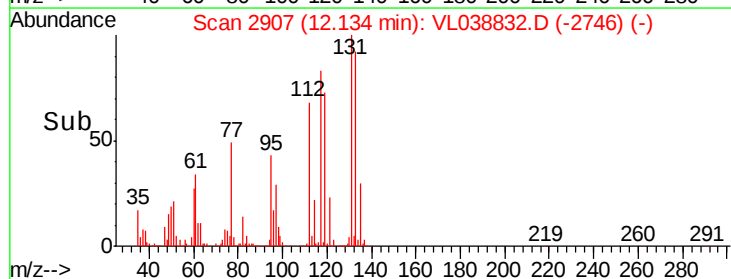
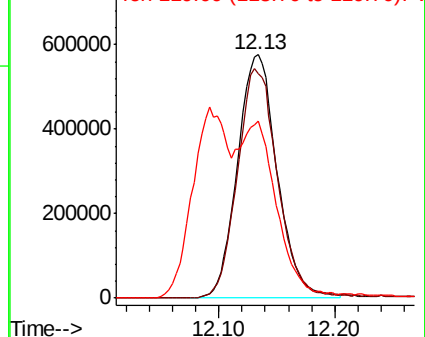
119 61.6 58.6 87.8

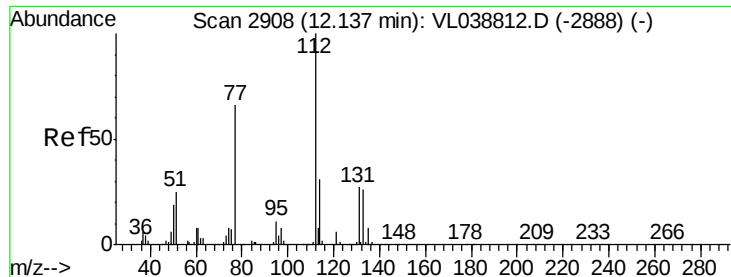


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.570 ppbv

RT: 12.16

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 6 Apr 2022 13:44

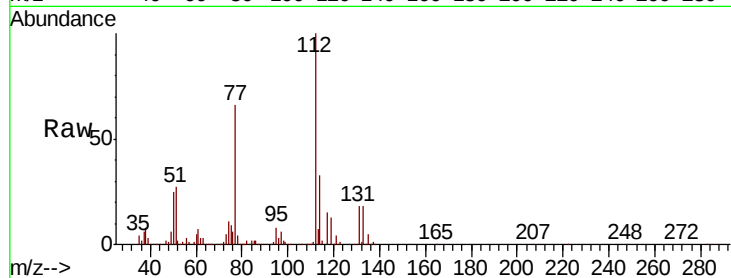
Tot Ion:112 Resp: 2513805

Ion Ratio Lower Upper

112 100

77 64.6 52.4 78.6

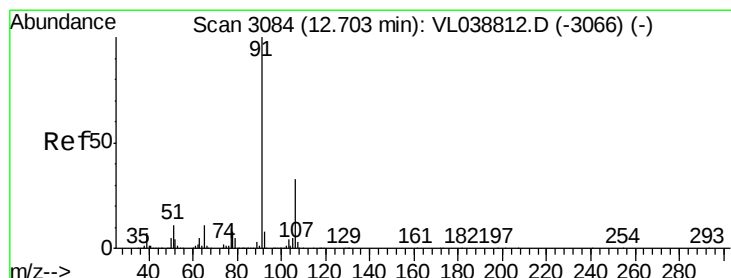
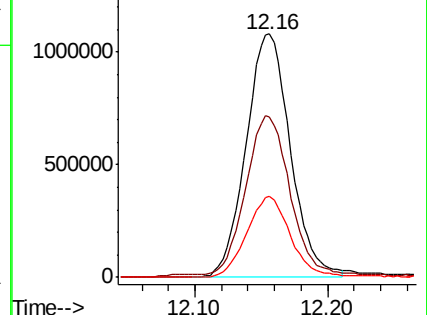
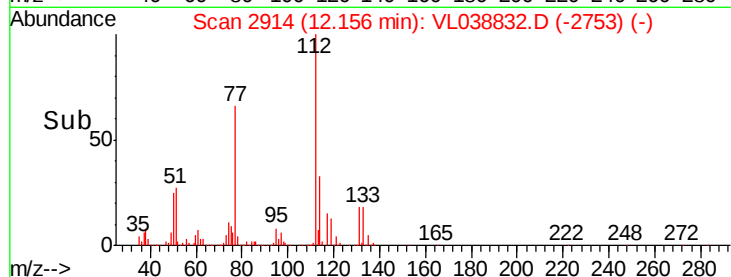
114 33.1 28.1 34.3



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: 7.795 ppbv

RT: 12.72 min Scan# 3089

Delta R.T. 0.02 min

Lab File: VL038832.D

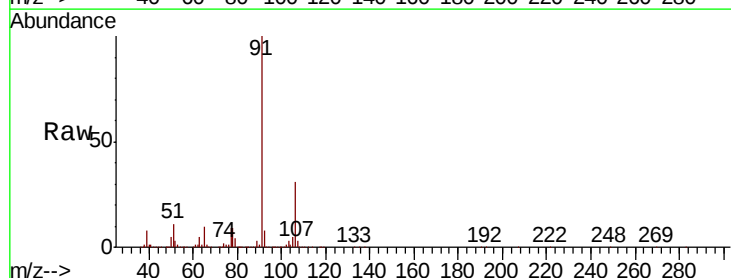
Acq: 6 Apr 2022 13:44

Tgt Ion: 91 Resp: 4723010

Ion Ratio Lower Upper

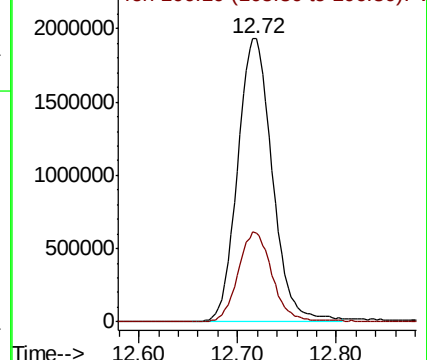
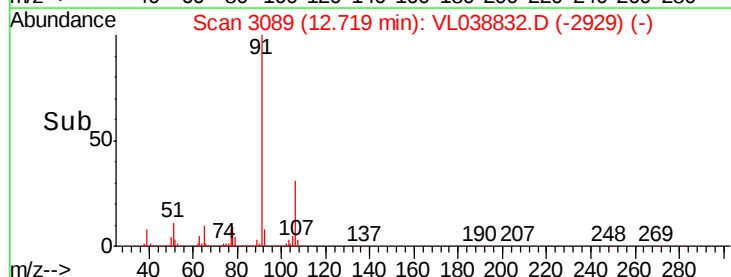
91 100

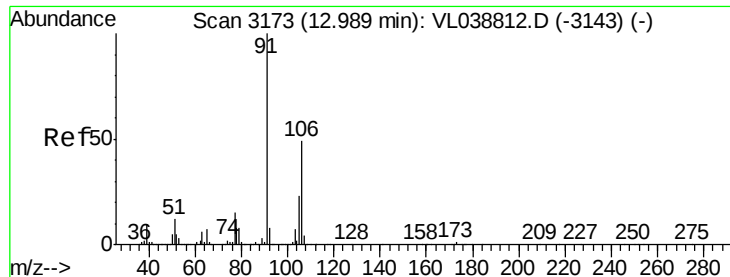
106 31.4 26.7 40.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

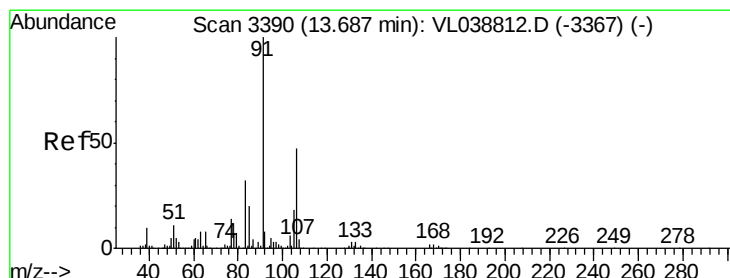
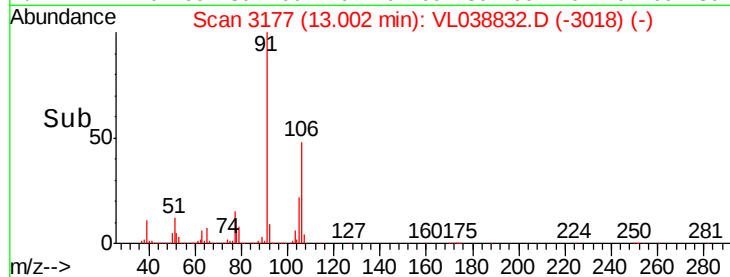
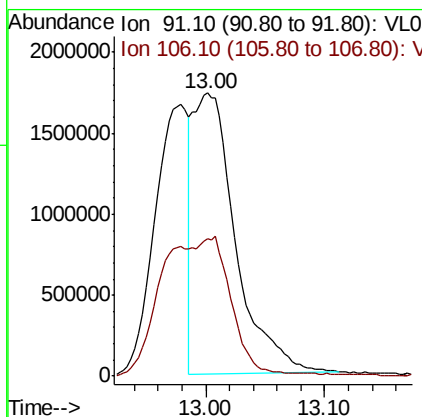
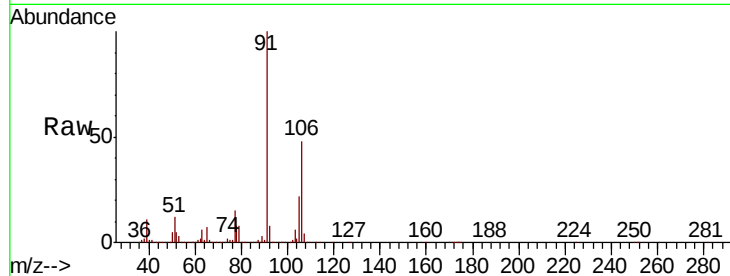
Ion 106.10 (105.80 to 106.80): V





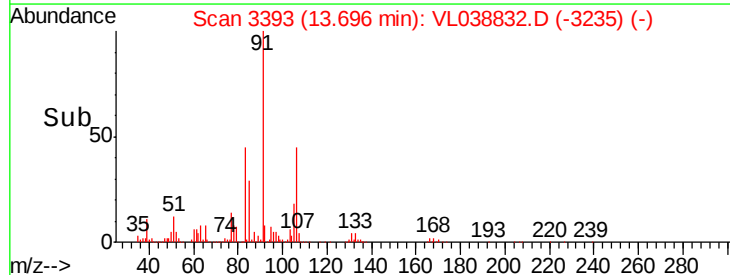
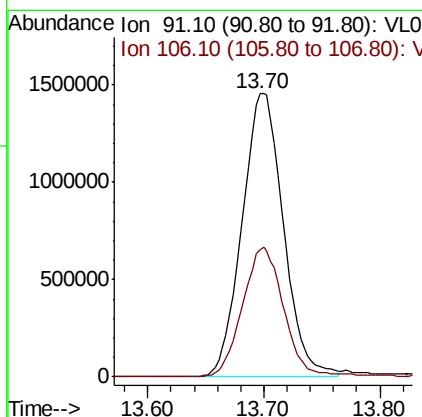
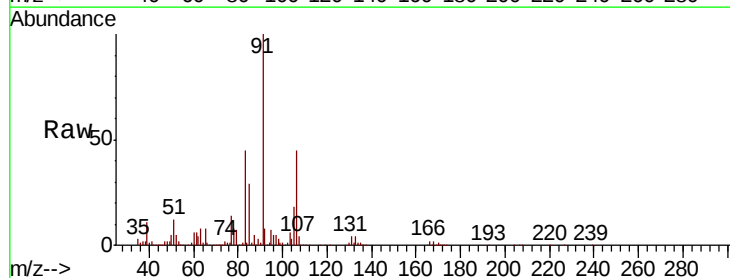
#59
m/p-Xylene
Concen: 8.395 ppbv
RT: 13.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 6 Apr 2022 13:44

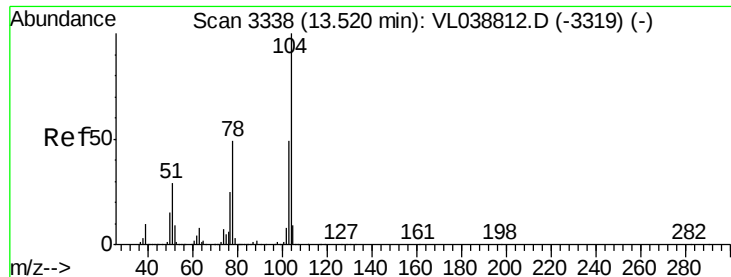
Tot Ion: 91 Resp: 4273505
Ion Ratio Lower Upper
91 100
106 82.8 37.1 55.7#



#60
o-Xylene
Concen: 7.577 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. 0.01 min
Lab File: VL038832.D
Acq: 6 Apr 2022 13:44

Tgt Ion: 91 Resp: 3608874
Ion Ratio Lower Upper
91 100
106 46.4 23.8 71.4





#61

Stvrene

Concen: 8.070 ppbv

RT: 13.54

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 Apr 2022 13:44

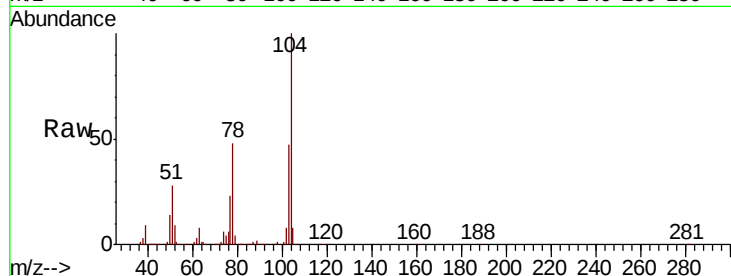
Tot Ion:104 Resp: 2341757

Ion Ratio Lower Upper

104 100

78 50.8 40.5 60.7

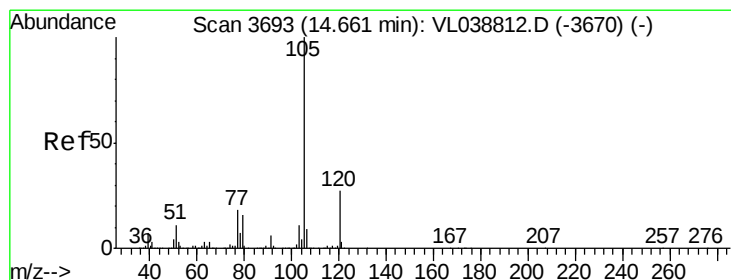
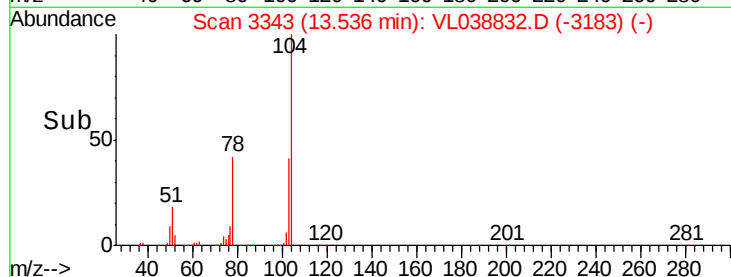
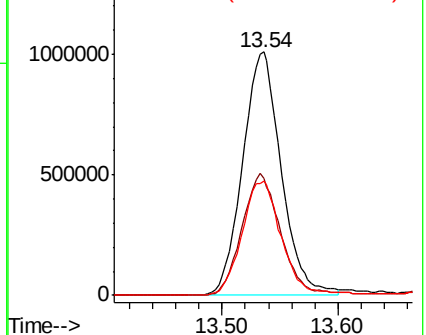
103 48.4 39.0 58.4



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: 7.499 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. 0.01 min

Lab File: VL038832.D

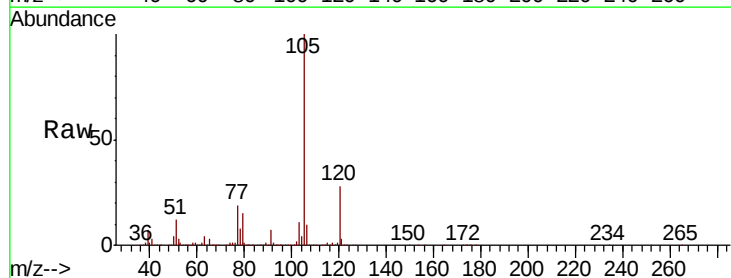
Acq: 6 Apr 2022 13:44

Tgt Ion:105 Resp: 5361514

Ion Ratio Lower Upper

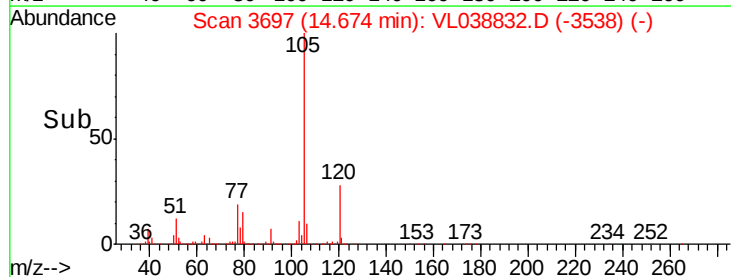
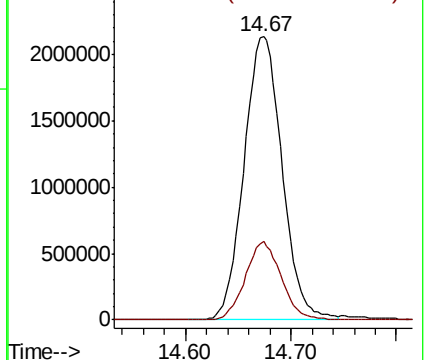
105 100

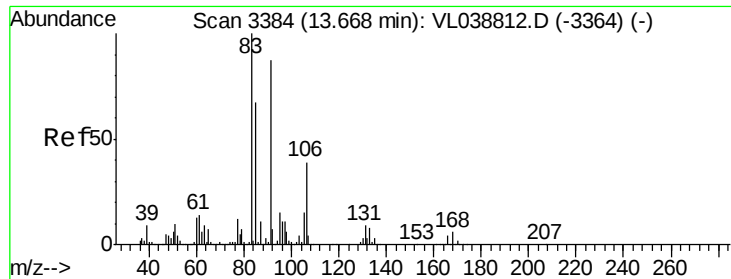
120 26.5 21.8 32.8



Abundance Ion 105.10 (104.80 to 105.80): V

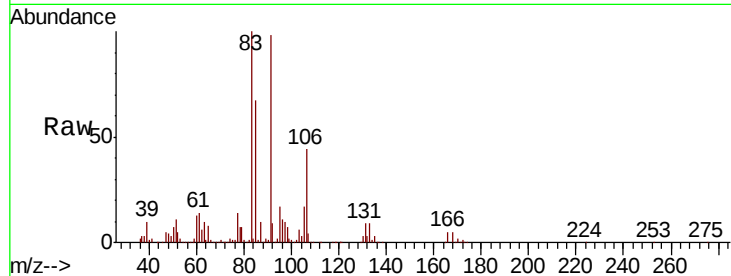
Ion 120.20 (119.90 to 120.90): V



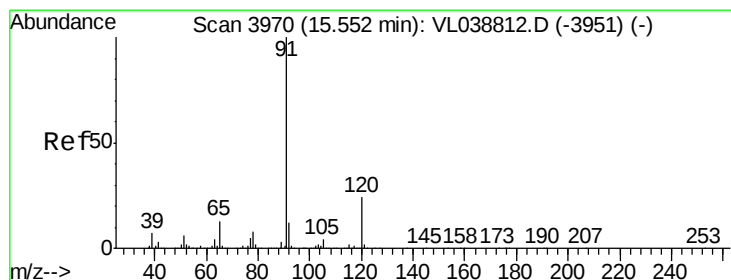
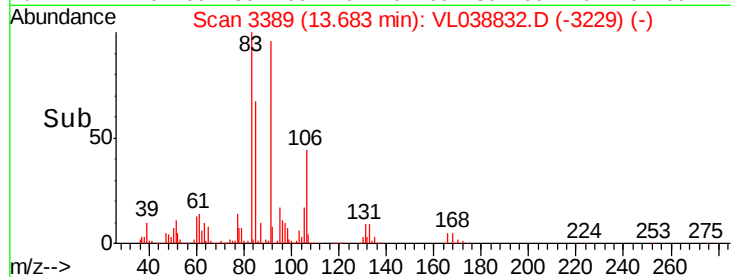
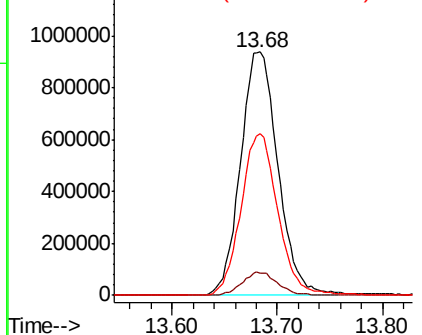


#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.663 ppbv
 RT: 13.68 min
 Delta R.T. 0.01 min
 Lab File: VL038832.D
 Acq: 6 Apr 2022 13:44

Tot Ion: 83 Resp: 2311631
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.6 13.8
 85 66.0 33.0 99.0

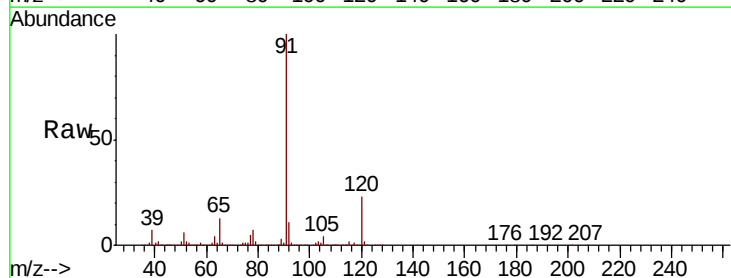


Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 131.00 (130.70 to 131.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0

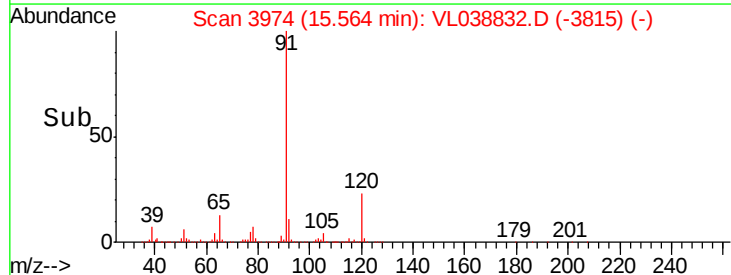
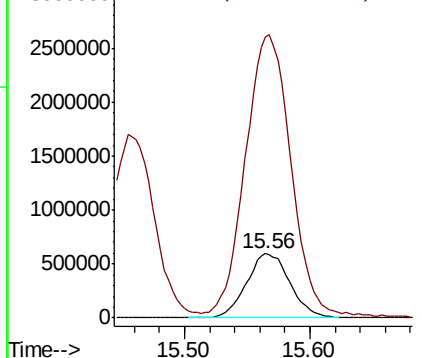


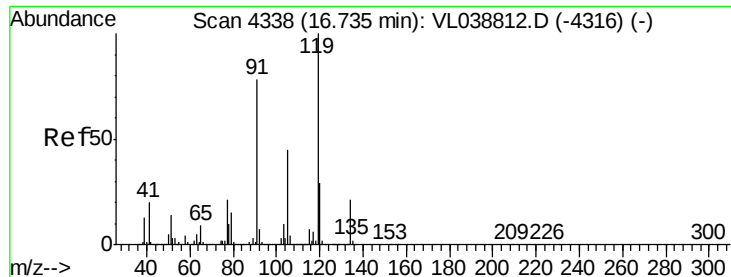
#64
 n-propylbenzene
 Concen: 7.727 ppbv
 RT: 15.56 min Scan# 3974
 Delta R.T. 0.01 min
 Lab File: VL038832.D
 Acq: 6 Apr 2022 13:44

Tgt Ion: 120 Resp: 1434334
 Ion Ratio Lower Upper
 120 100
 91 467.9 360.6 540.8



Abundance Ion 120.20 (119.90 to 120.90): VL0
 Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.350 ppbv

RT: 16.75

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 Apr 2022 13:44

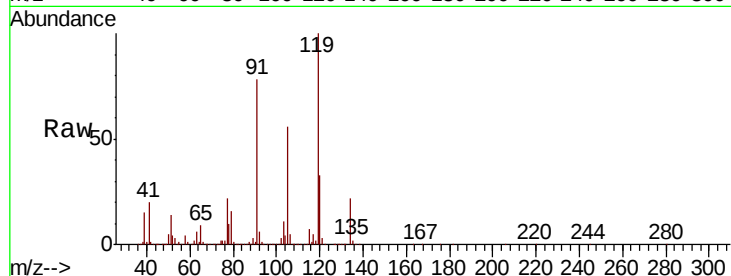
Tot Ion:119 Resp: 4662036

Ion Ratio Lower Upper

119 100

91 79.3 62.8 94.2

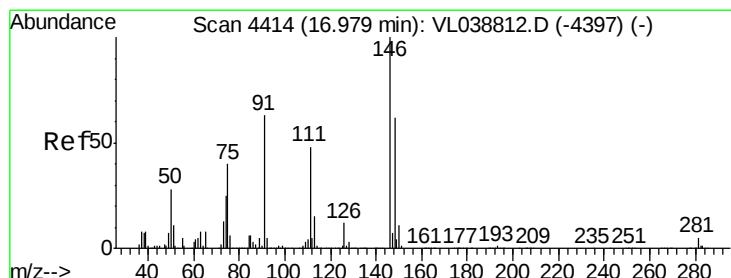
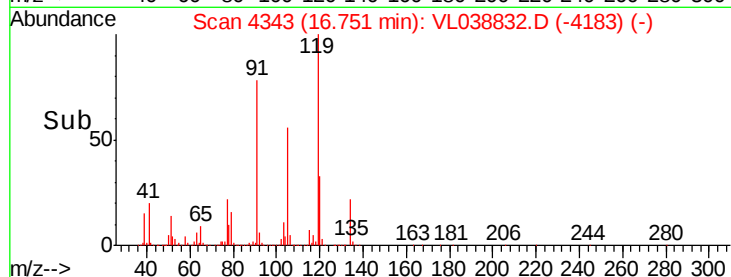
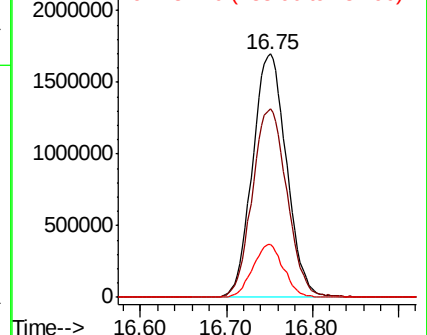
134 20.0 16.2 24.4



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: 6.251 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. 0.01 min

Lab File: VL038832.D

Acq: 6 Apr 2022 13:44

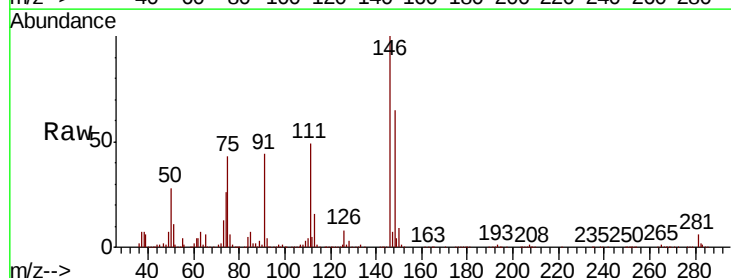
Tgt Ion: 91 Resp: 807240

Ion Ratio Lower Upper

91 100

126 18.5 15.4 23.0

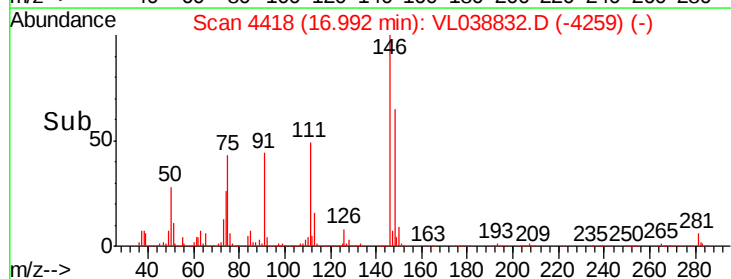
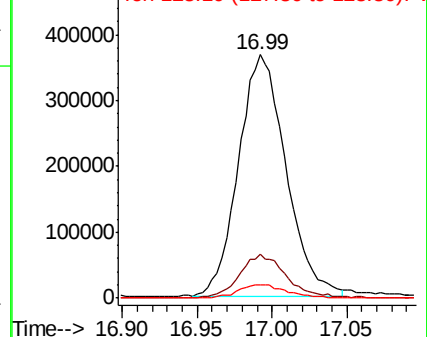
128 5.8 4.7 7.1

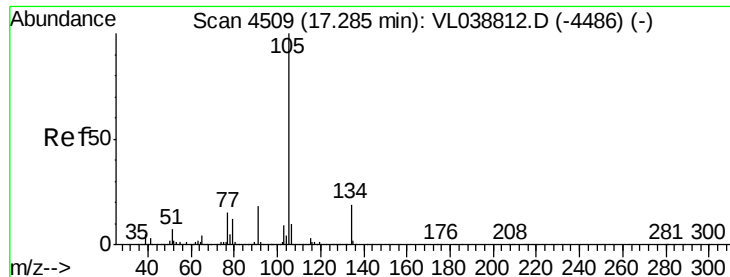


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.479 ppbv

RT: 17.30

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

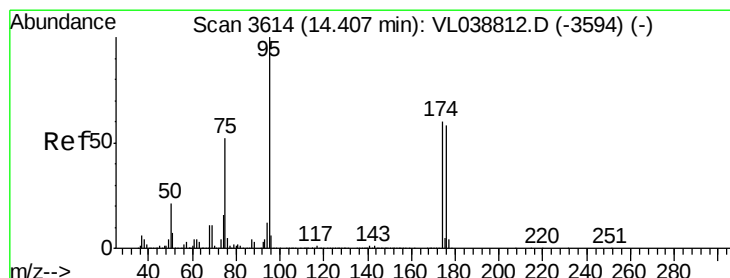
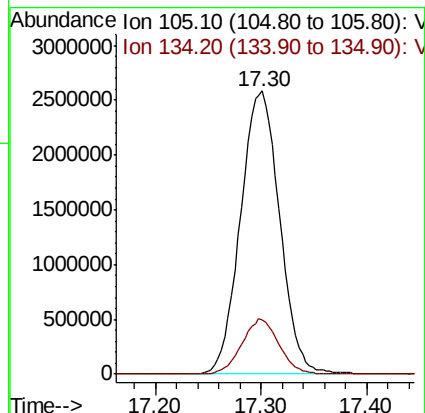
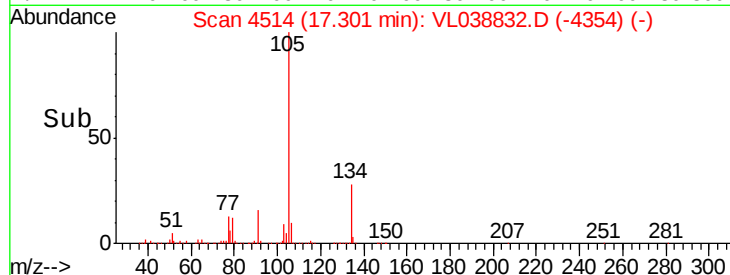
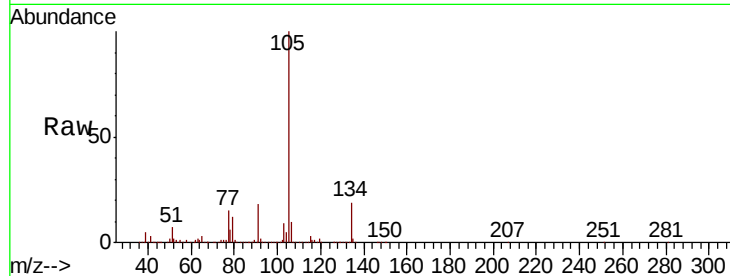
Acq: 6 Apr 2022 13:44

Tot Ion: 105 Resp: 6656887

Ion Ratio Lower Upper

105 100

134 18.6 15.1 22.7



#68

1-Bromo-4-Fluorobenzene

Concen: 8.066 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.01 min

Lab File: VL038832.D

Acq: 6 Apr 2022 13:44

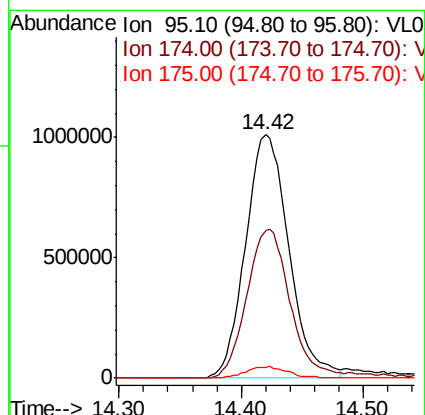
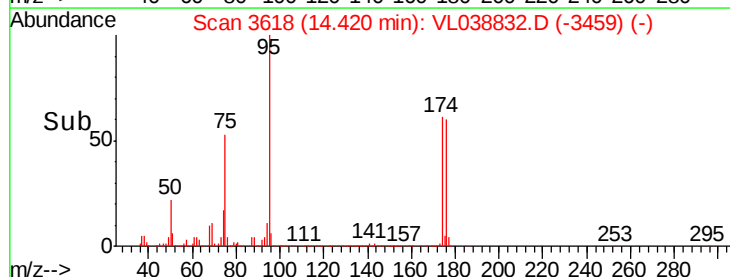
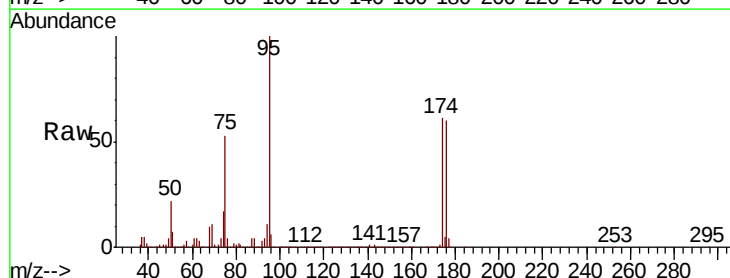
Tgt Ion: 95 Resp: 2480869

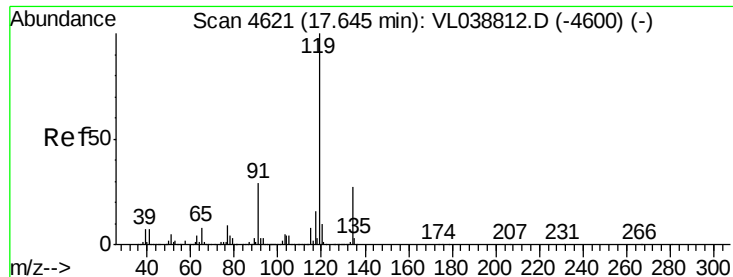
Ion Ratio Lower Upper

95 100

174 63.7 52.0 78.0

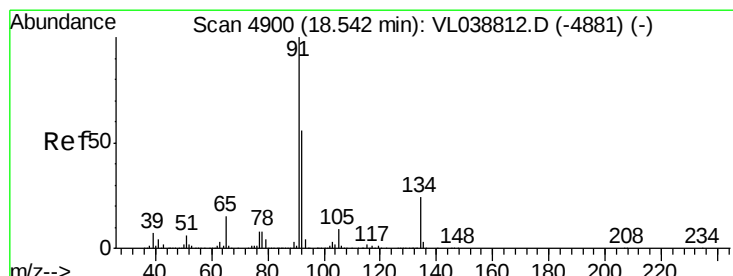
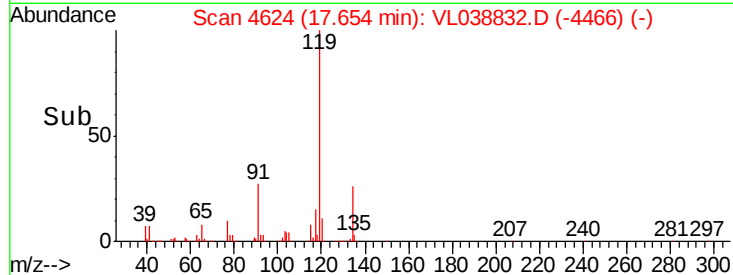
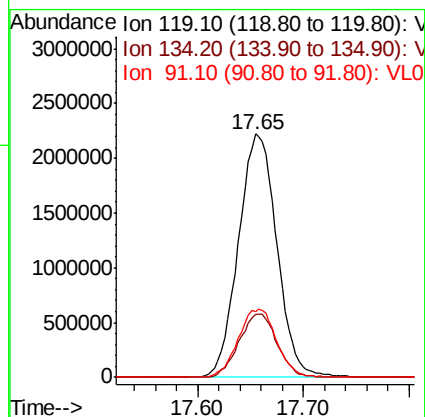
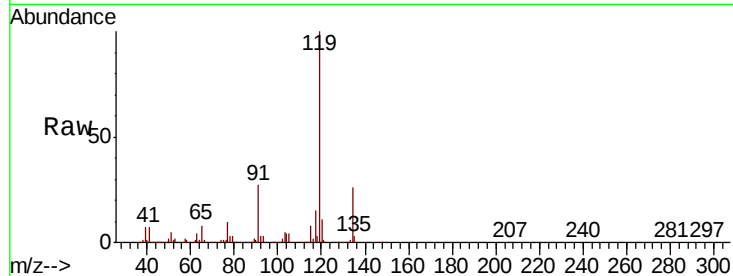
175 4.7 4.0 6.0





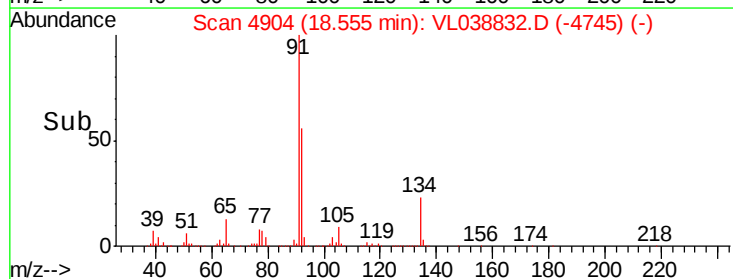
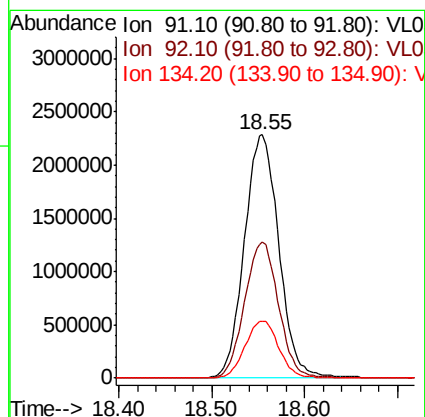
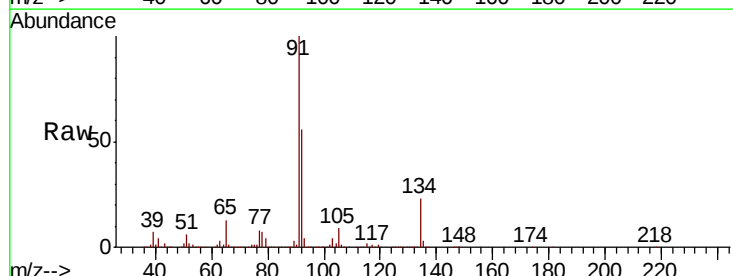
#69
 p-Isopropyltoluene
 Concen: 7.668 ppbv
 RT: 17.65 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 6 Apr 2022 13:44

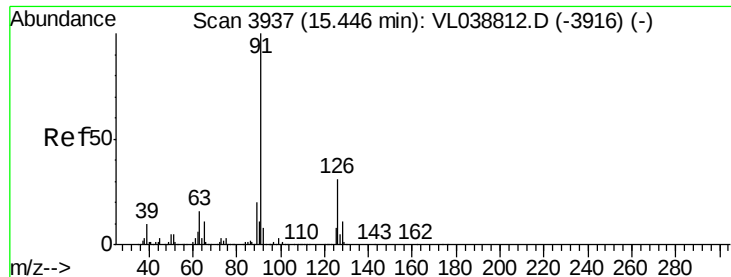
Tot Ion:	119	Resp:	5604120
Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.8	31.2
91	28.3	22.6	34.0



#70
 n-Butylbenzene
 Concen: 8.001 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. 0.01 min
 Lab File: VL038832.D
 Acq: 6 Apr 2022 13:44

Tgt Ion:	91	Resp:	5890751
Ion	Ratio	Lower	Upper
91	100		
92	55.3	44.6	66.8
134	23.1	19.2	28.8





#71

2-Chlorotoluene

Concen: 7.755 ppbv

RT: 15.46

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

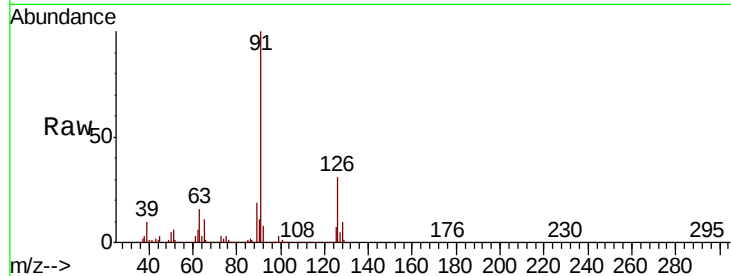
Acq: 6 Apr 2022 13:44

Tot Ion: 91 Resp: 4168859

Ion Ratio Lower Upper

91 100

126 31.6 13.0 51.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

3000000

2500000

2000000

1500000

1000000

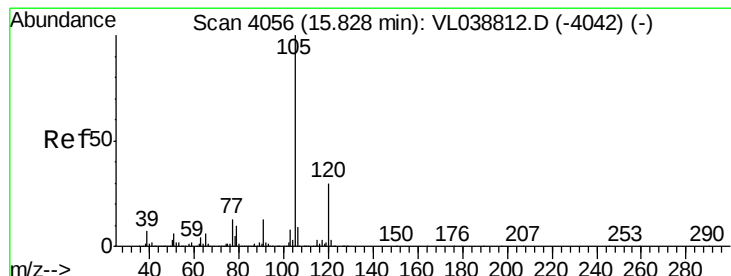
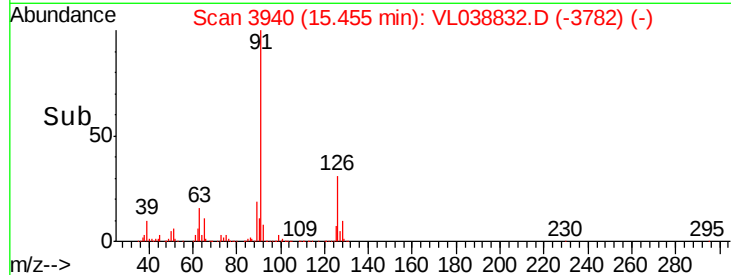
500000

0

15.40

15.50

Time-->



#72

4-Ethyltoluene

Concen: 7.923 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. 0.02 min

Lab File: VL038832.D

Acq: 6 Apr 2022 13:44

Tgt Ion:105 Resp: 4506098

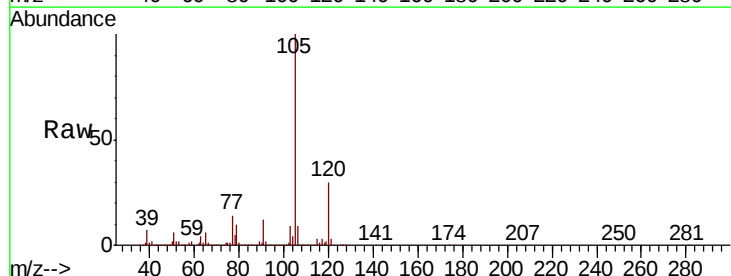
Ion Ratio Lower Upper

105 100

120 30.4 24.3 36.5

91 12.3 9.4 14.2

77 13.5 10.6 15.8



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

3000000

2500000

2000000

1500000

1000000

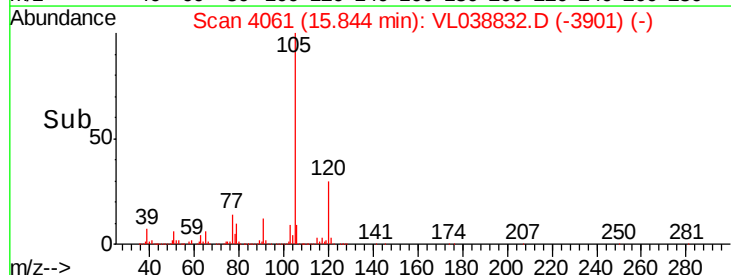
500000

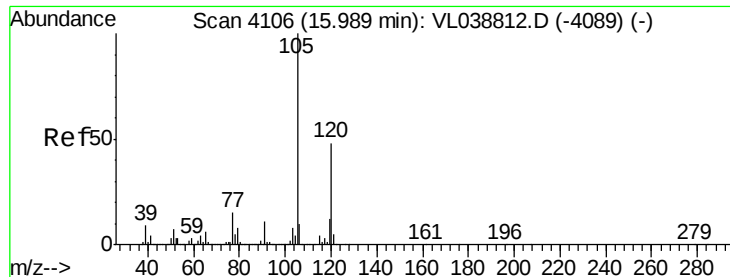
0

15.80

15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 7.855 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

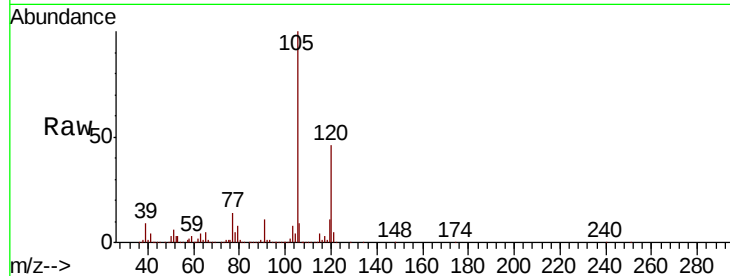
Acq: 6 Apr 2022 13:44

Tot Ion:105 Resp: 4013490

Ion Ratio Lower Upper

105 100

120 46.3 38.7 58.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

1000000

500000

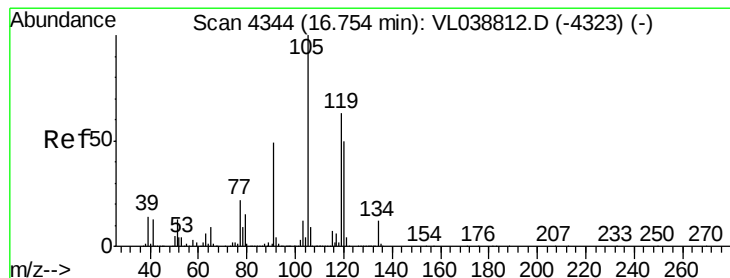
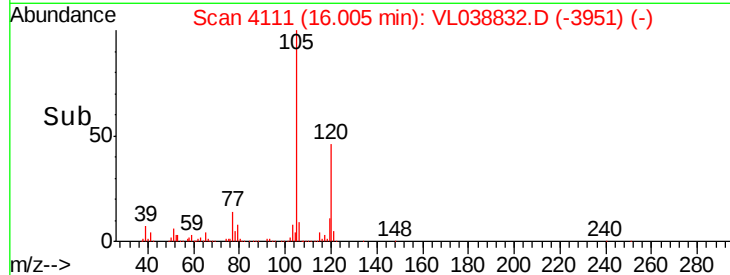
0

16.00

15.90

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.662 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.01 min

Lab File: VL038832.D

Acq: 6 Apr 2022 13:44

Tgt Ion:105 Resp: 4138343

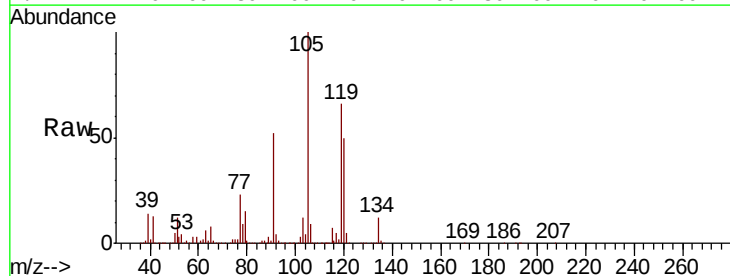
Ion Ratio Lower Upper

105 100

120 49.7 39.8 59.8

91 51.7 39.4 59.0

77 23.0 17.3 25.9



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

2500000

2000000

1500000

1000000

500000

0

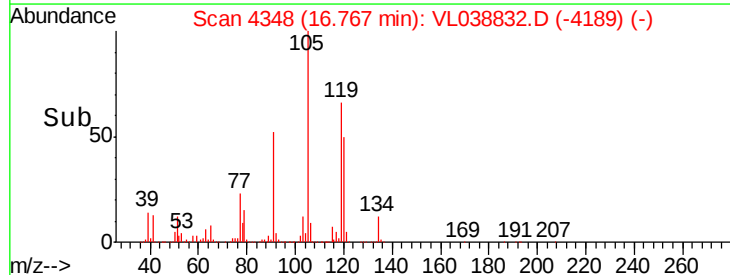
16.77

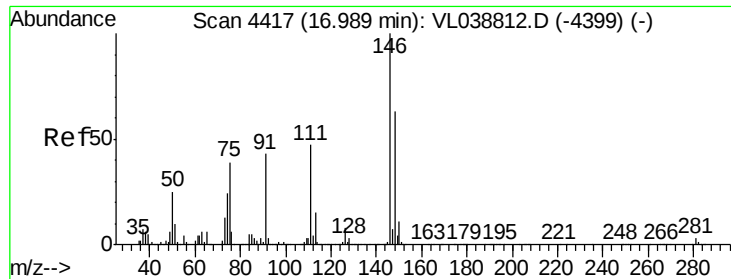
16.70

16.80

16.90

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.681 ppbv

RT: 17.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 Apr 2022 13:44

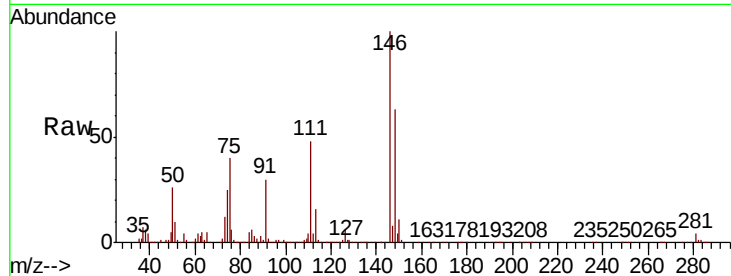
Tot Ion:146 Resp: 2408782

Ion Ratio Lower Upper

146 100

111 48.1 23.8 71.2

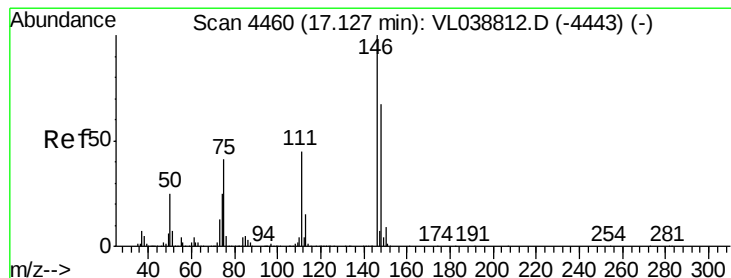
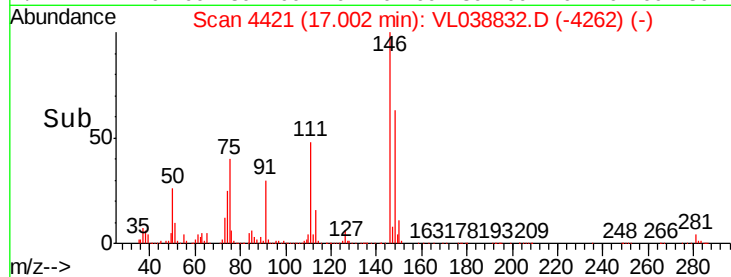
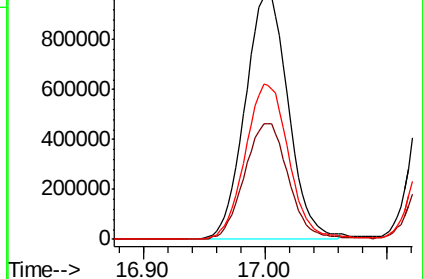
148 63.9 31.8 95.4



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: 7.728 ppbv

RT: 17.14 min Scan# 4465

Delta R.T. 0.02 min

Lab File: VL038832.D

Acq: 6 Apr 2022 13:44

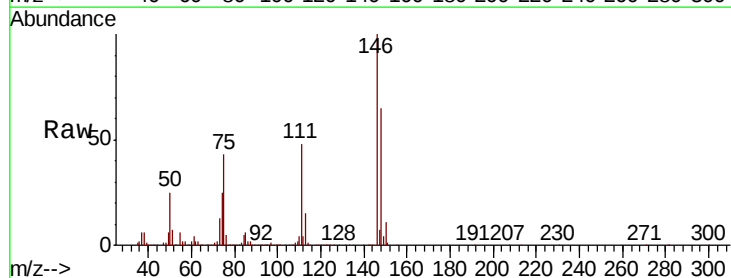
Tgt Ion:146 Resp: 2387296

Ion Ratio Lower Upper

146 100

111 47.0 23.6 70.8

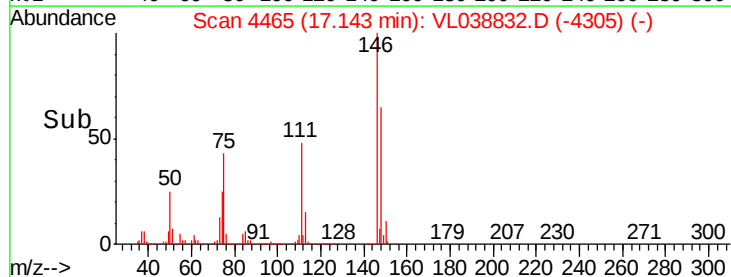
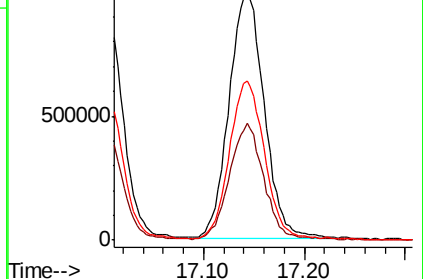
148 66.0 33.6 100.6

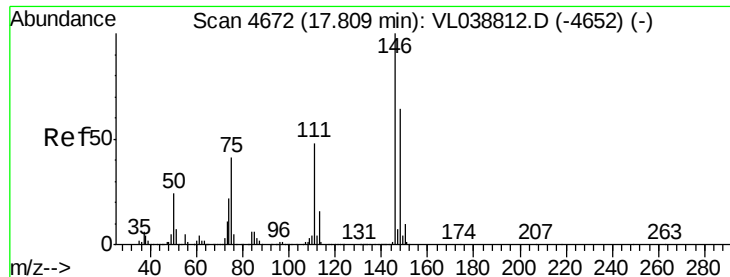


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.733 ppbv

RT: 17.82

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 Apr 2022 13:44

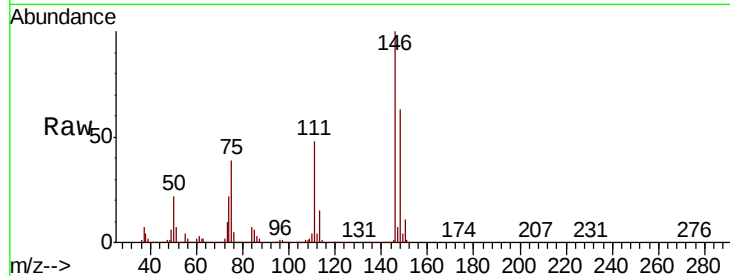
Tot Ion:146 Resp: 2390585

Ion Ratio Lower Upper

146 100

111 49.0 24.8 74.3

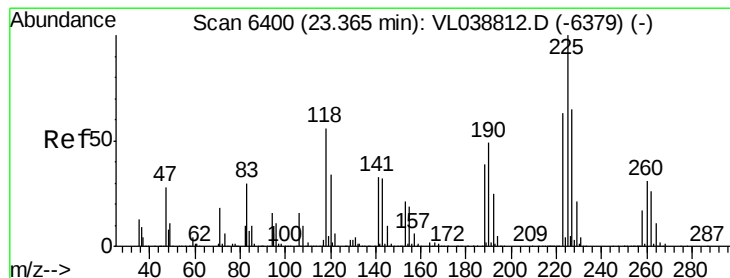
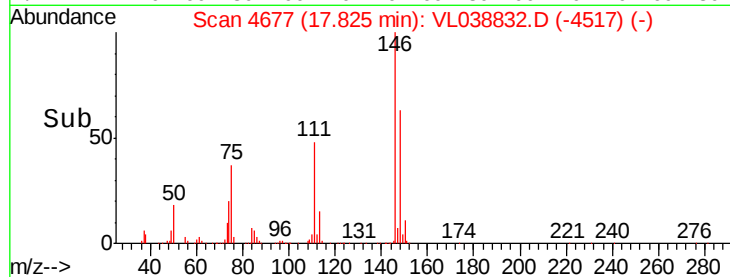
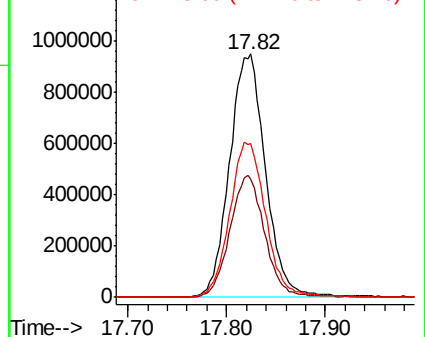
148 64.0 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.620 ppbv

RT: 23.38 min Scan# 6404

Delta R.T. 0.01 min

Lab File: VL038832.D

Acq: 6 Apr 2022 13:44

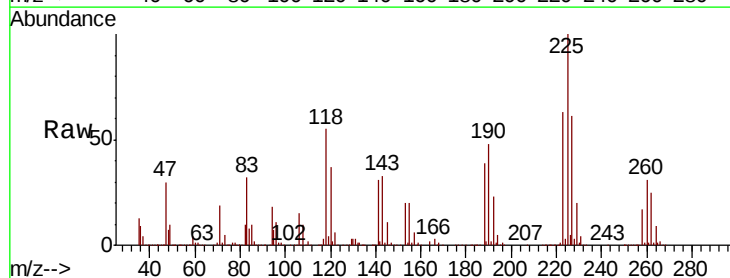
Tgt Ion:225 Resp: 1616932

Ion Ratio Lower Upper

225 100

223 63.8 51.6 77.4

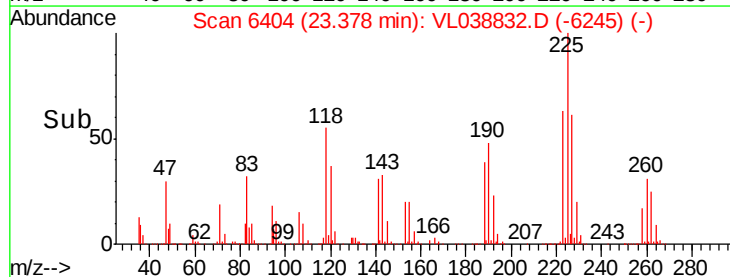
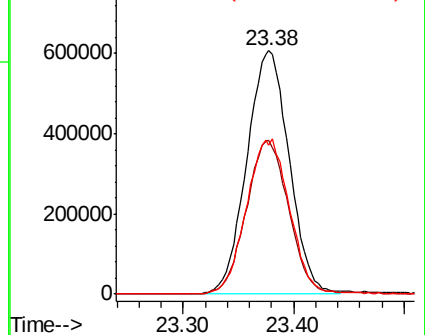
227 65.0 52.3 78.5

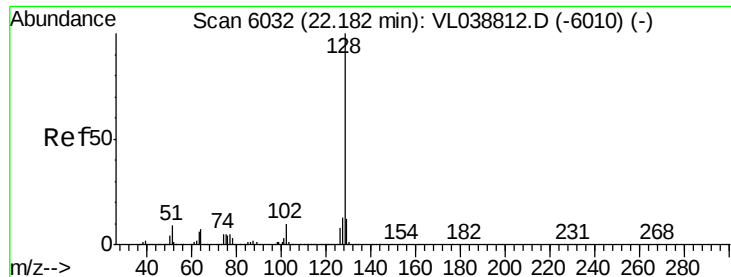


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.304 ppbv

RT: 22.20

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 Apr 2022 13:44

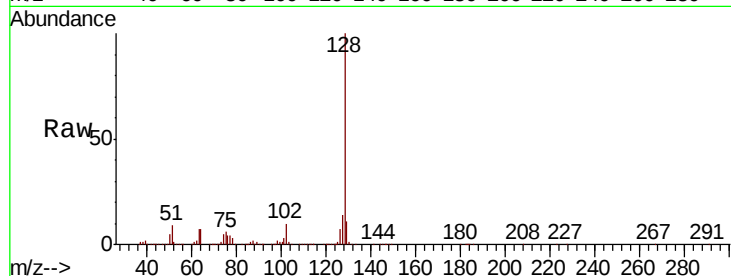
Tot Ion:128 Resp: 3354999

Ion Ratio Lower Upper

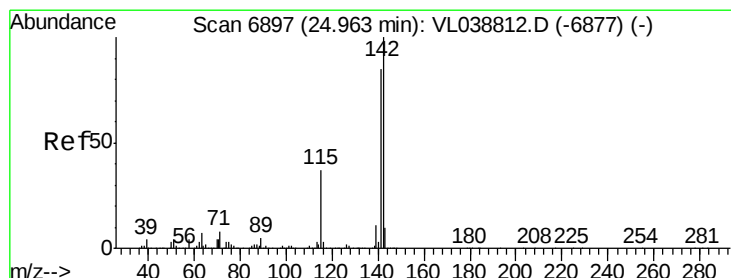
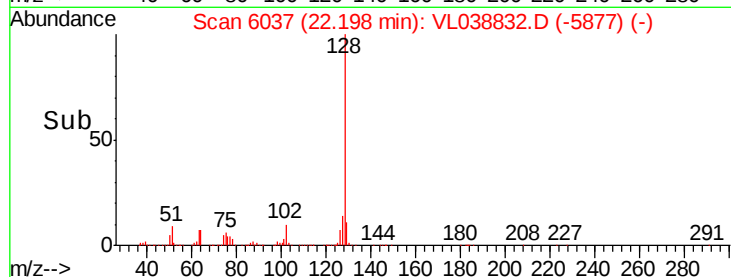
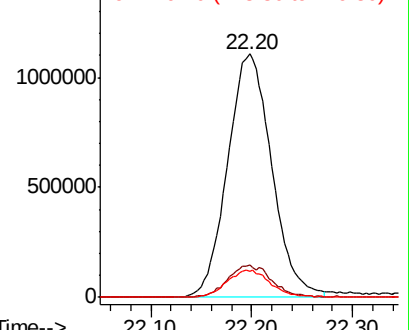
128 100

127 13.5 10.6 15.8

129 10.9 9.4 14.0



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



#80

Naphthalene, 2-methyl-

Concen: 9.039 ppbv

RT: 24.97 min Scan# 6899

Delta R.T. 0.01 min

Lab File: VL038832.D

Acq: 6 Apr 2022 13:44

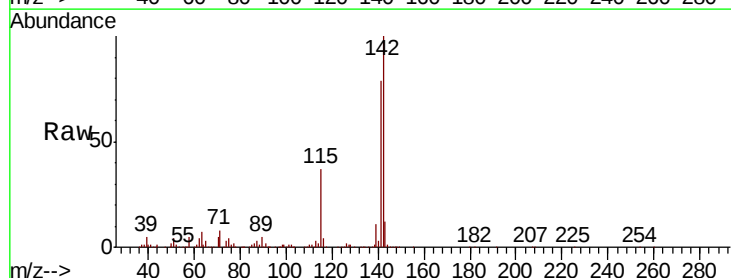
Tgt Ion:142 Resp: 899913

Ion Ratio Lower Upper

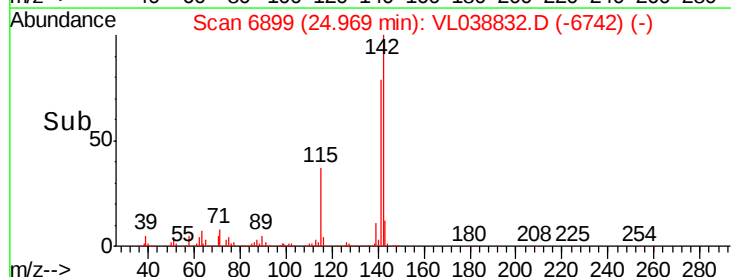
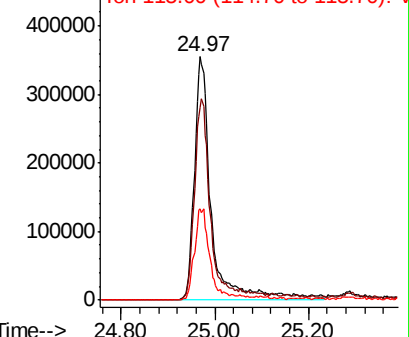
142 100

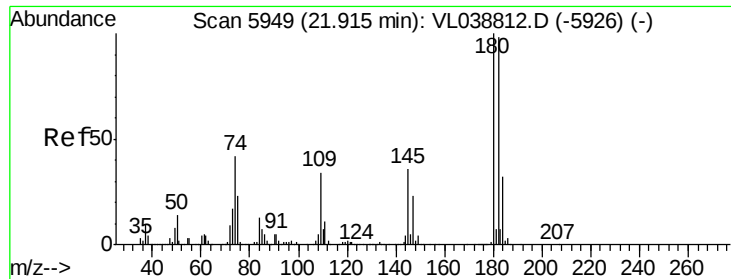
141 79.1 68.8 103.2

115 34.9 31.6 47.4



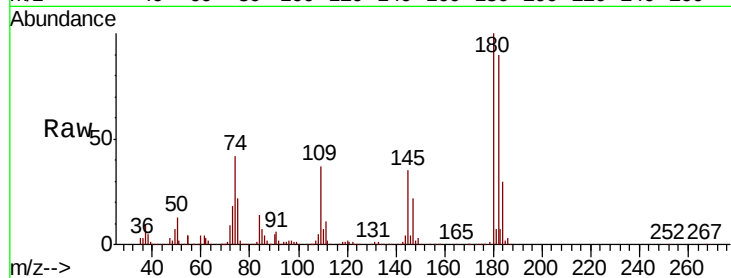
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.757 ppbv
 RT: 21.92
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 6 Apr 2022 13:44

Tot Ion:180 Resp: 1834235
 Ion Ratio Lower Upper
 180 100
 182 96.3 79.4 119.0
 184 30.6 25.0 37.6



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

