

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041122\
 Data File : VL038869.D
 Acq On : 11 Apr 2022 10:22
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Quant Time: Apr 12 02:46:36 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	5.65	49	1286773	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3522633	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3368622	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2731510	10.69	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2292863	12.562	ppbv 96
3) Chlorodifluoromethane	2.99	51	1458278	9.286	ppbv 98
4) Chloromethane	3.14	50	702633	8.641	ppbv 97
5) Vinyl Chloride	3.26	62	673069	8.958	ppbv 97
6) Bromomethane	3.47	94	326493	8.981	ppbv 93
7) Chloroethane	3.55	64	226122	9.025	ppbv 98
8) Dichlorotetrafluoroethane	3.19	85	1593508	9.346	ppbv 98
9) Propene	3.01	41	710694	8.554	ppbv 96
10) Heptane	8.11	43	1843682	8.809	ppbv 99
11) Trichlorofluoromethane	3.95	101	1538929	10.493	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1172312	10.435	ppbv 94
13) Ethanol	3.60	45	31076	6.155	ppbv # 100
14) Bromoethene	3.74	108	476760	9.650	ppbv 96
15) Acetone	3.84	43	1168868	9.124	ppbv 97
16) 1,3-Butadiene	3.32	39	662062	9.040	ppbv 100
17) tert-Butyl alcohol	4.28	59	953941	8.304	ppbv 99
18) 1,1-Dichloroethene	4.29	96	517025	10.096	ppbv 94
19) Isopropyl Alcohol	3.96	45	581971	8.888	ppbv # 100
20) Methylene Chloride	4.34	84	436507	9.395	ppbv 98
21) Allyl Chloride	4.40	41	881020	9.185	ppbv 99
22) trans-1,2-Dichloroethene	4.88	96	564057	10.878	ppbv 95
23) Vinyl Acetate	5.06	43	1303686	10.450	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1122522	9.957	ppbv 99
25) Ethyl Acetate	5.66	43	2940185	9.045	ppbv 99
26) Hexane	5.68	57	1293786	8.744	ppbv 99
27) Carbon Disulfide	4.54	76	1406813	10.368	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1060038	9.276	ppbv 100
29) Chloroform	5.74	83	1989746	9.612	ppbv 99
30) Cyclohexane	7.12	84	1140564	8.746	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1094577	8.046	ppbv 99
32) 1,1,1-Trichloroethane	6.50	97	2031782	9.741	ppbv 100
34) 2-Butanone	5.23	43	1330019	9.555	ppbv 98
35) Carbon Tetrachloride	7.01	117	2054847	9.730	ppbv 97
36) Benzene	6.88	78	2871566	8.961	ppbv 99
37) 1,2-Dichloroethane	6.29	62	1498861	10.230	ppbv 99
38) Trichloroethene	7.82	130	1139400	8.665	ppbv 95
39) 1,2-Dichloropropane	7.60	63	1112831	9.079	ppbv 98
40) 1,4-Dioxane	7.81	88	356652	8.569	ppbv # 92
41) Tetrahydrofuran	6.03	42	1162987	8.797	ppbv 98
42) Bromodichloromethane	7.78	83	2285583	9.879	ppbv 97
43) Methyl Methacrylate	8.00	69	1189497	9.691	ppbv 99

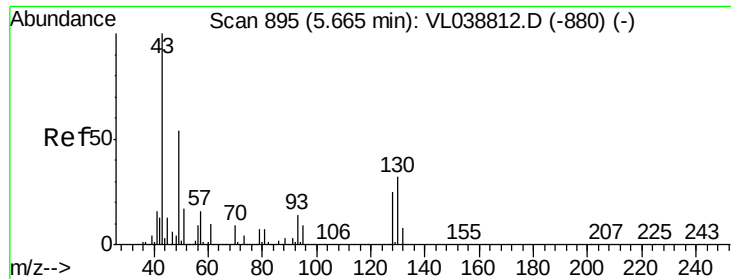
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041122\
 Data File : VL038869.D
 Acq On : 11 Apr 2022 10:22
 Operator : SY/AP
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Quant Time: Apr 12 02:46:36 2022
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 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)
44) 2,2,4-Trimethylpentane	7.85	57	4739353	8.735	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	1229993	9.584	ppbv	98
46) cis-1,3-Dichloropropene	8.68	75	1563032	9.237	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1149482	9.152	ppbv	97
48) Dibromochloromethane	10.28	129	1903235	9.668	ppbv	98
49) Bromoform	13.02	173	1508548	9.676	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2902322	9.270	ppbv	98
51) 2-Hexanone	10.11	43	2280504	9.667	ppbv #	100
52) Tetrachloroethene	11.20	164	940698	8.404	ppbv	95
53) Toluene	9.79	91	3283464	8.876	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1651796	9.468	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1295807	8.778	ppbv #	61
57) Chlorobenzene	12.12	112	2329281	8.443	ppbv	96
58) Ethyl Benzene	12.69	91	4443966	8.829	ppbv	96
59) m/p-Xylene	12.97	91	4009031	9.480	ppbv #	50
60) o-Xylene	13.67	91	3446750	8.710	ppbv	95
61) Styrene	13.51	104	2145189	8.898	ppbv	97
62) Isopropylbenzene	14.64	105	5007912	8.431	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.65	83	2181837	8.705	ppbv	100
64) n-propylbenzene	15.54	120	1303907	8.455	ppbv	89
65) tert-Butylbenzene	16.72	119	4251119	8.067	ppbv	95
66) Benzyl Chloride	16.96	91	659218	6.145	ppbv	95
67) sec-Butylbenzene	17.27	105	6211587	8.400	ppbv	98
69) p-Isopropyltoluene	17.63	119	5130687	8.450	ppbv	98
70) n-Butylbenzene	18.52	91	5581932	9.126	ppbv	98
71) 2-Chlorotoluene	15.43	91	3955425	8.856	ppbv	96
72) 4-Ethyltoluene	15.82	105	4163245	8.811	ppbv	98
73) 1,3,5-Trimethylbenzene	15.97	105	3762419	8.864	ppbv	94
74) 1,2,4-Trimethylbenzene	16.74	105	3865062	8.613	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	2187957	8.398	ppbv	98
76) 1,4-Dichlorobenzene	17.11	146	2177171	8.483	ppbv	98
77) 1,2-Dichlorobenzene	17.79	146	2160857	8.414	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1527363	7.527	ppbv	99
79) Naphthalene	22.16	128	3031336	9.031	ppbv	99
80) Naphthalene, 2-methyl-	24.94	142	610012	7.375	ppbv	99
81) 1,2,4-Trichlorobenzene	21.89	180	781606	3.979	ppbv #	11

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 11 Apr 2022 10:22 VSTDCCC010

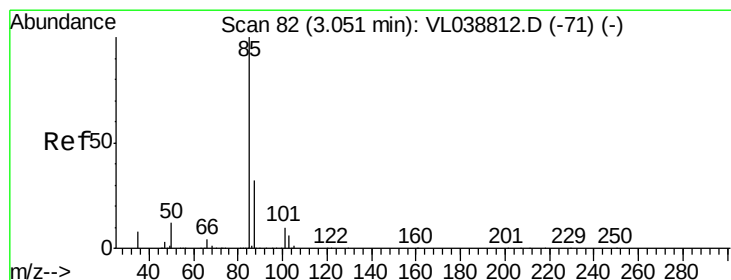
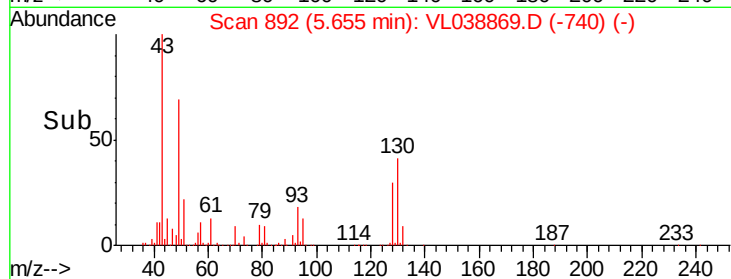
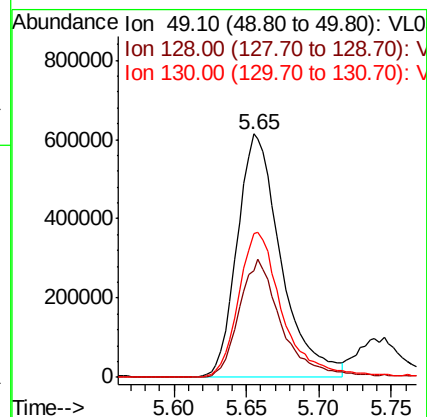
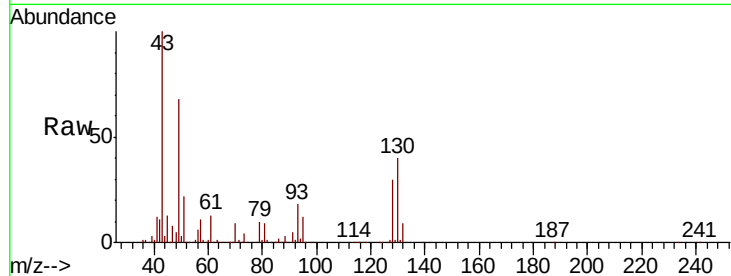
Tot Ion: 49 Resp: 1286773

Ion Ratio Lower Upper

49 100

128 48.1 24.1 72.3

130 60.7 30.9 92.8



#2

Dichlorodifluoromethane

Concen: 12.562 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL038869.D

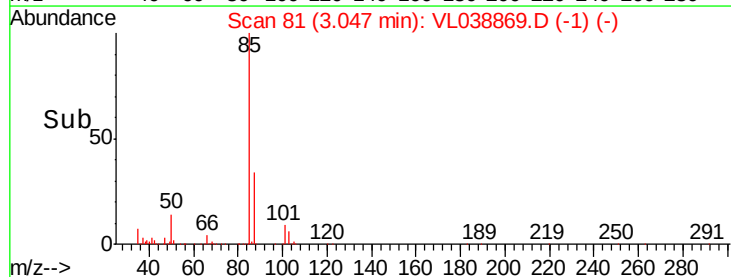
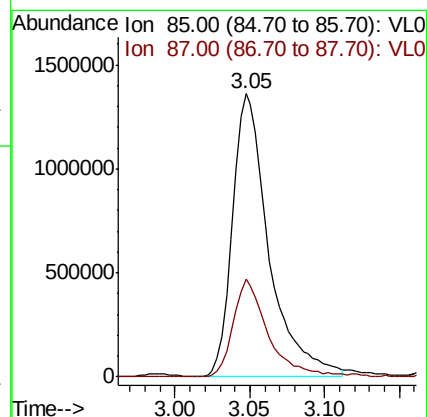
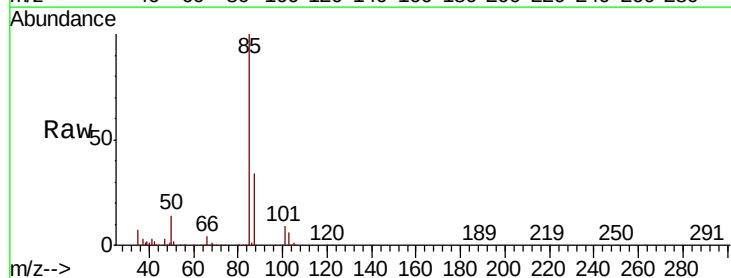
Acq: 11 Apr 2022 10:22

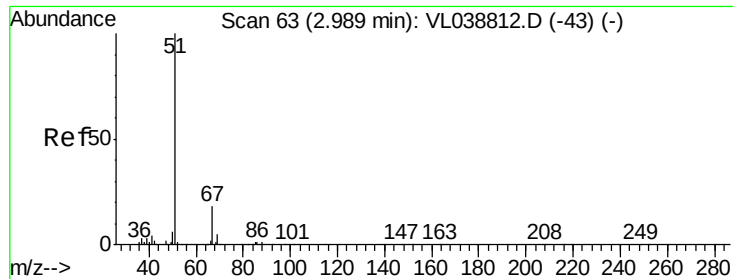
Tgt Ion: 85 Resp: 2292863

Ion Ratio Lower Upper

85 100

87 34.4 25.9 38.9





#3

Chlorodifluoromethane

Concen: 9.286 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

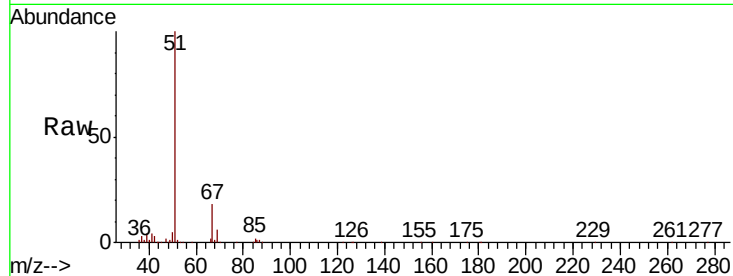
Acq: 11 Apr 2022 10:22 VSTDCCC010

Tot Ion: 51 Resp: 1458278

Ion Ratio Lower Upper

51 100

67 17.5 13.4 20.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

800000

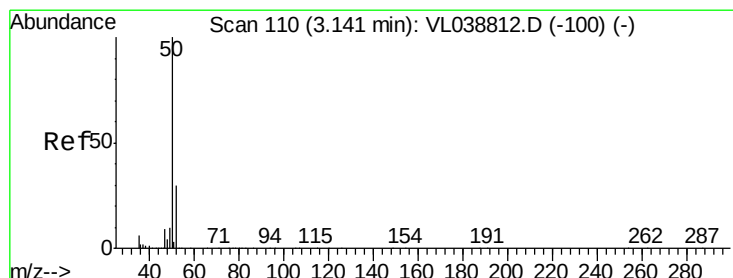
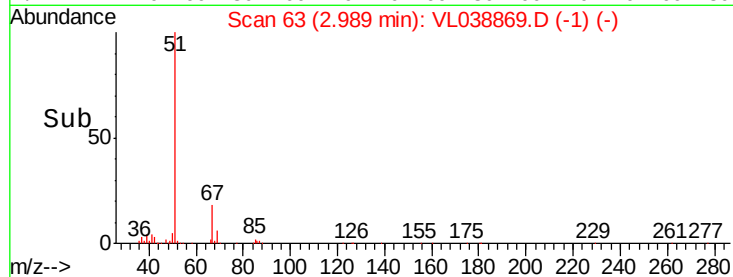
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 8.641 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL038869.D

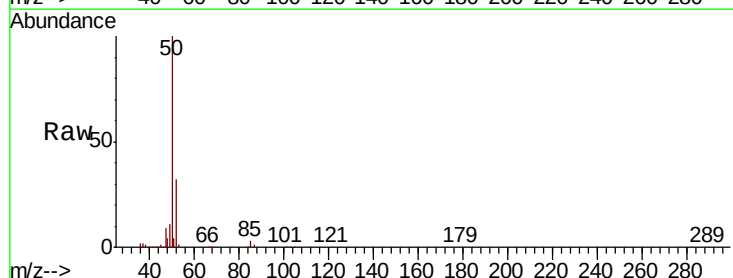
Acq: 11 Apr 2022 10:22

Tgt Ion: 50 Resp: 702633

Ion Ratio Lower Upper

50 100

52 32.3 24.3 36.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

500000

400000

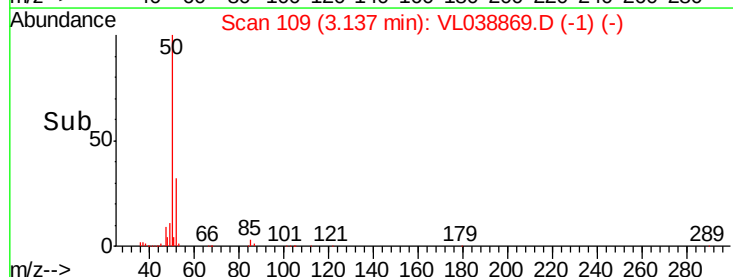
300000

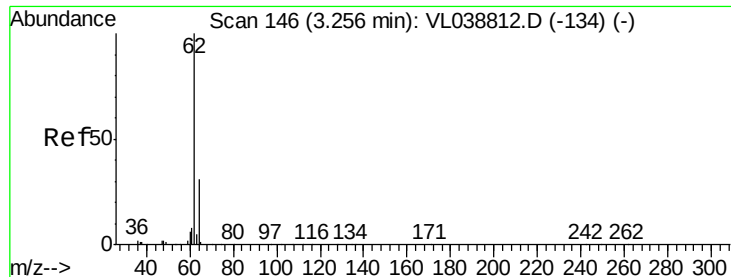
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 8.958 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

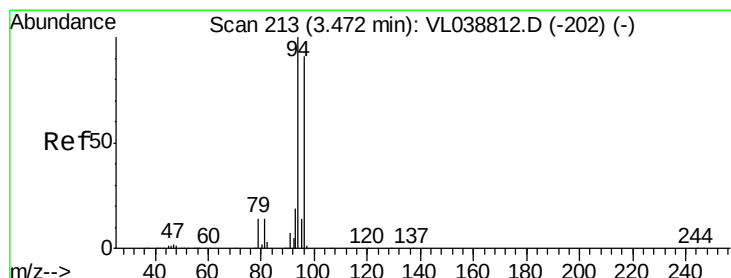
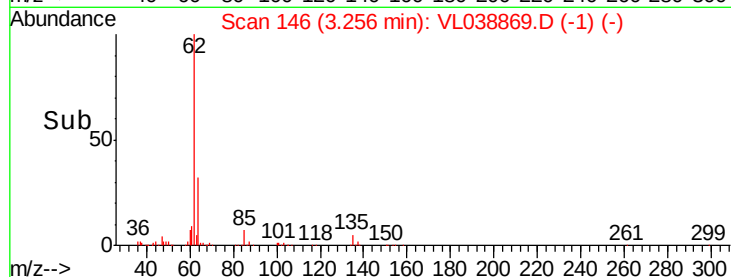
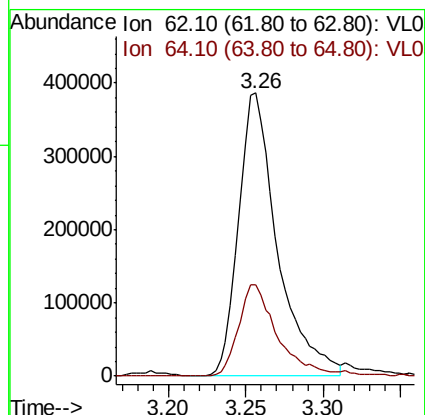
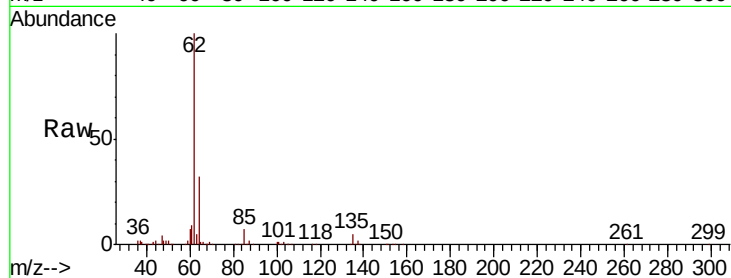
Acq: 11 Apr 2022 10:22

Tot Ion: 62 Resp: 673069

Ion Ratio Lower Upper

62 100

64 32.2 24.6 37.0



#6

Bromomethane

Concen: 8.981 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL038869.D

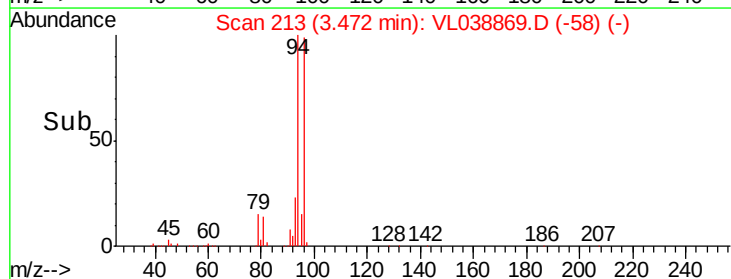
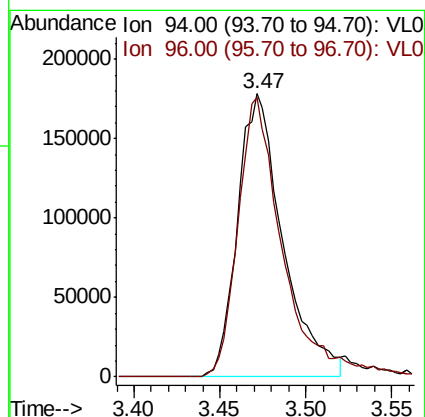
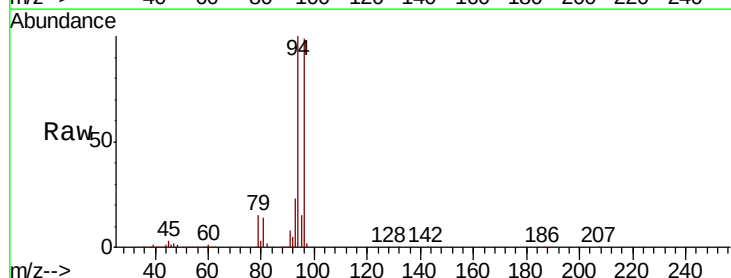
Acq: 11 Apr 2022 10:22

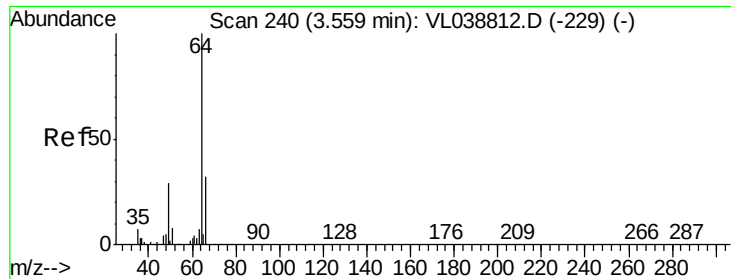
Tgt Ion: 94 Resp: 326493

Ion Ratio Lower Upper

94 100

96 98.4 73.2 109.8





#7

Chloroethane

Concen: 9.025 ppbv

RT: 3.55 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

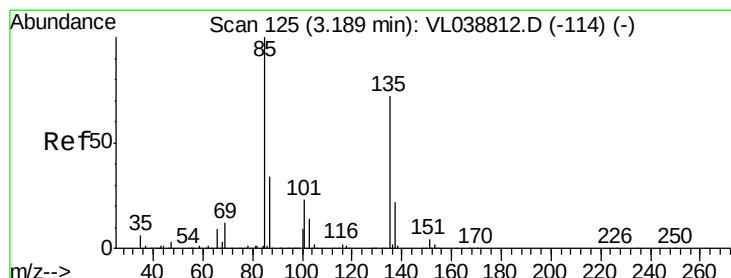
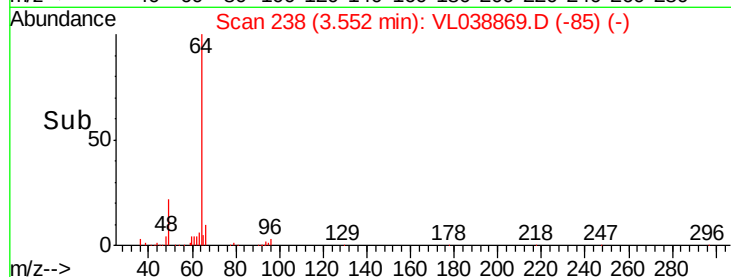
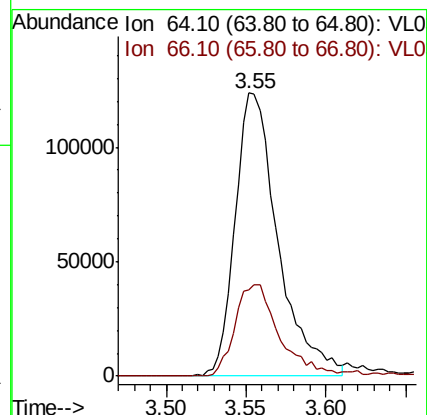
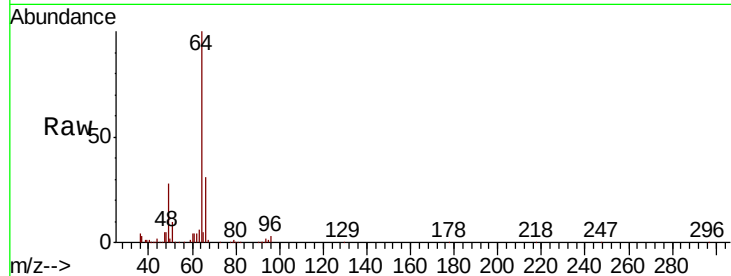
Acq: 11 Apr 2022 10:22

Tot Ion: 64 Resp: 226122

Ion Ratio Lower Upper

64 100

66 30.7 25.4 38.2



#8

Dichlorotetrafluoroethane

Concen: 9.346 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL038869.D

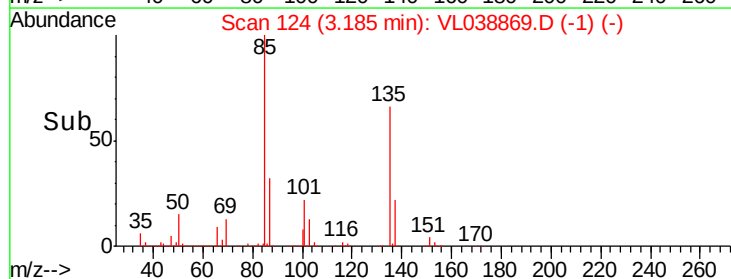
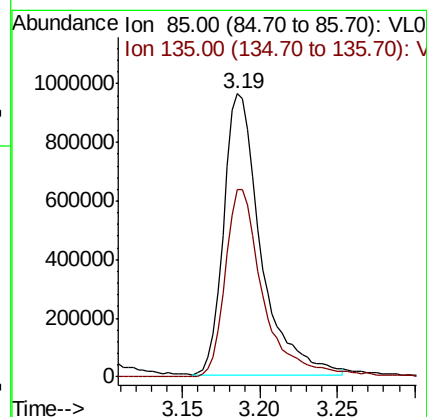
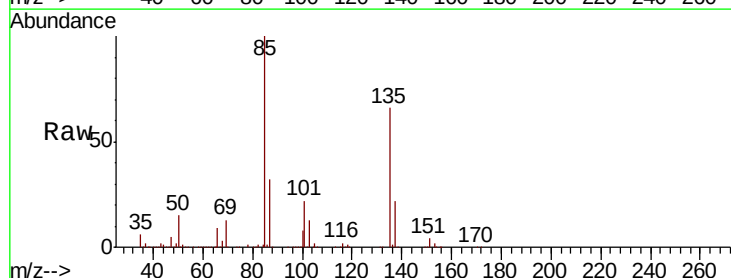
Acq: 11 Apr 2022 10:22

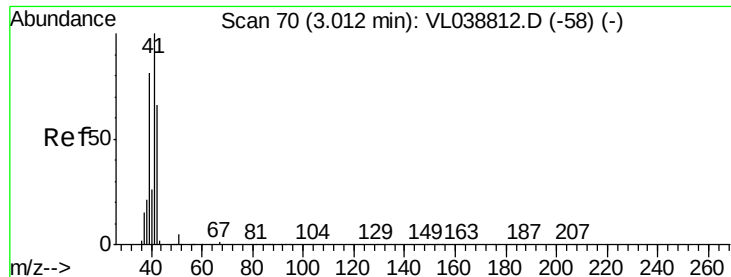
Tgt Ion: 85 Resp: 1593508

Ion Ratio Lower Upper

85 100

135 69.6 57.0 85.6





#9

Propene

Concen: 8.554 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

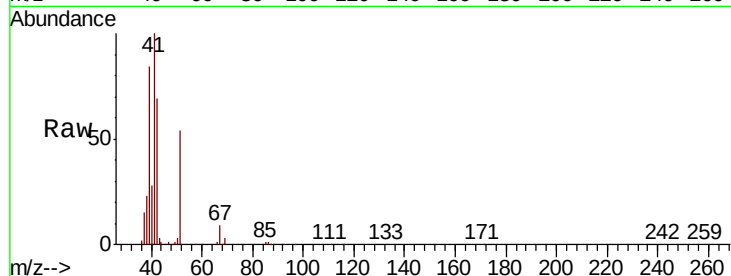
Acq: 11 Apr 2022 10:22 VSTDCCC010

Tot Ion: 41 Resp: 710694

Ion Ratio Lower Upper

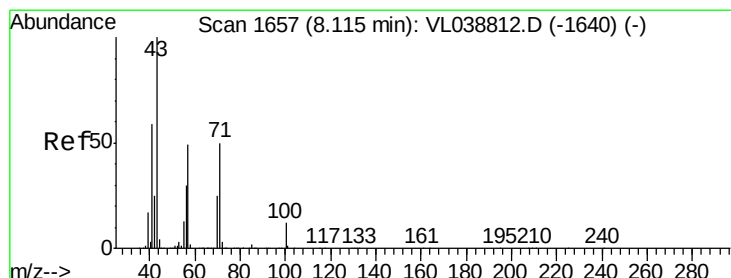
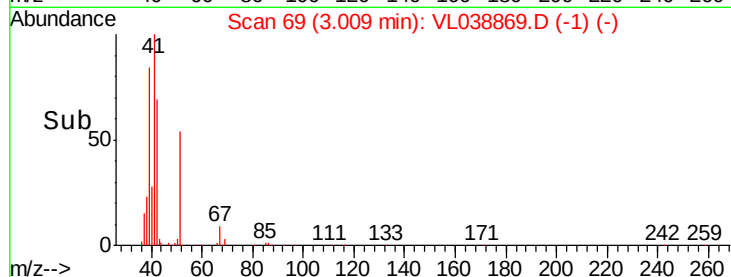
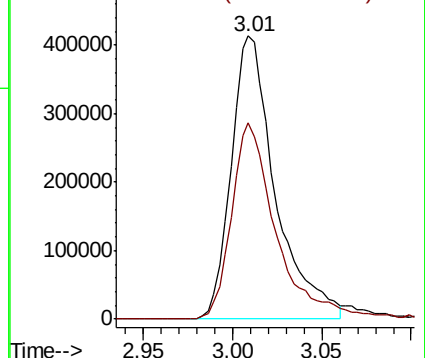
41 100

42 71.1 54.2 81.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 8.809 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.01 min

Lab File: VL038869.D

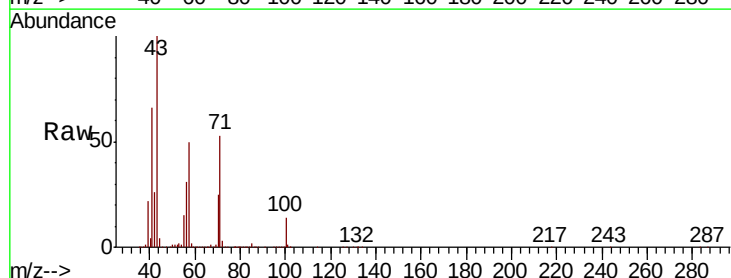
Acq: 11 Apr 2022 10:22

Tgt Ion: 43 Resp: 1843682

Ion Ratio Lower Upper

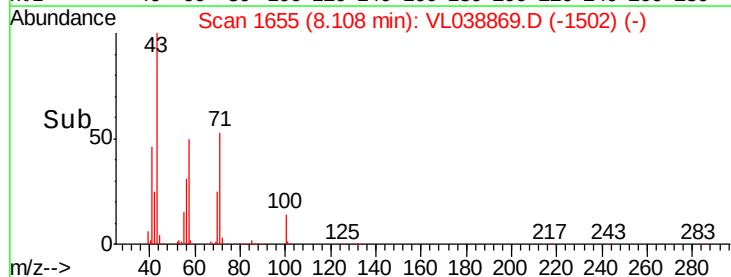
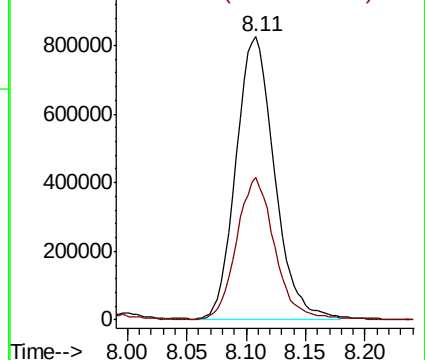
43 100

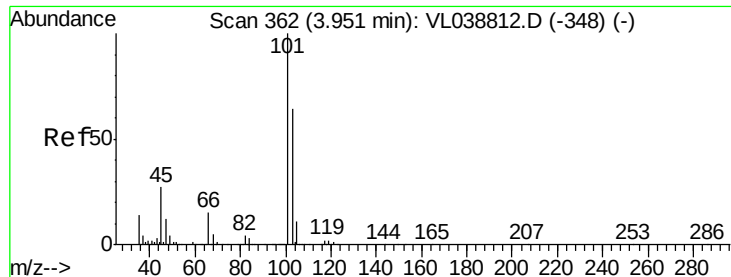
57 49.6 39.3 58.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

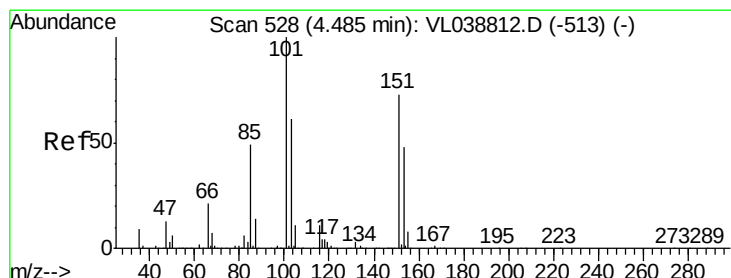
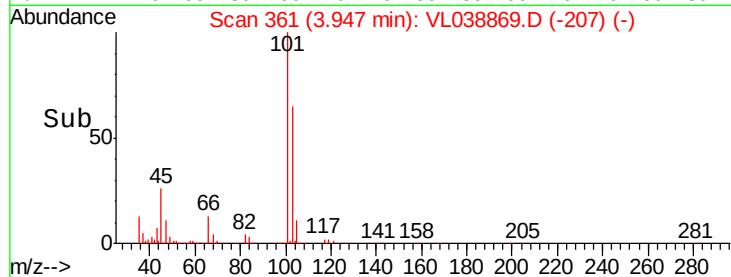
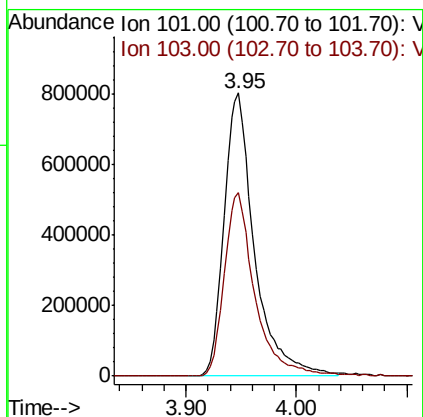
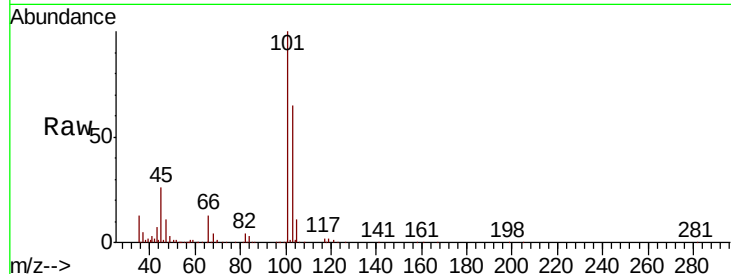
Ion 57.10 (56.80 to 57.80): VL0





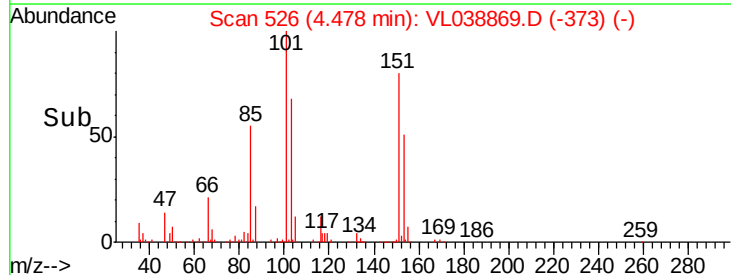
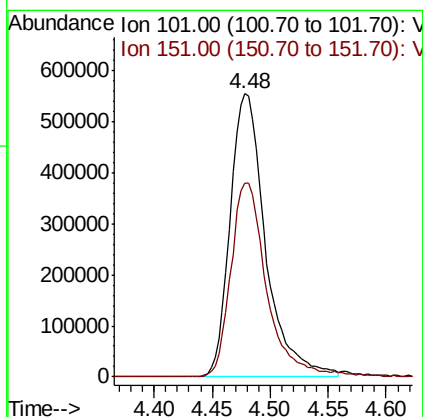
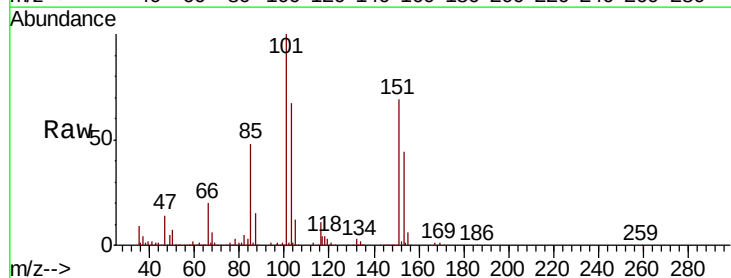
#11
 Trichlorofluoromethane
 Concen: 10.493 ppbv
 RT: 3.95 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 11 Apr 2022 10:22

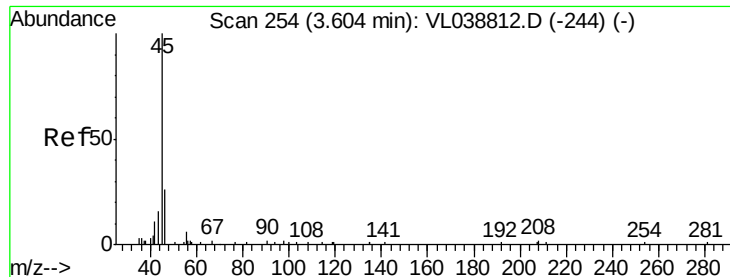
Tot Ion:101 Resp: 1538929
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.435 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T.: -0.01 min
 Lab File: VL038869.D
 Acq: 11 Apr 2022 10:22

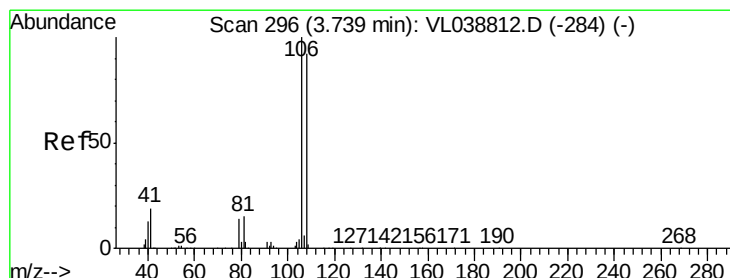
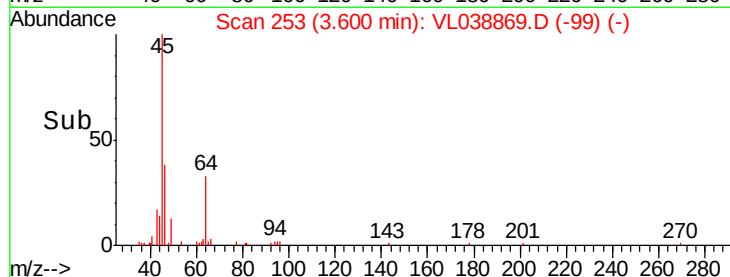
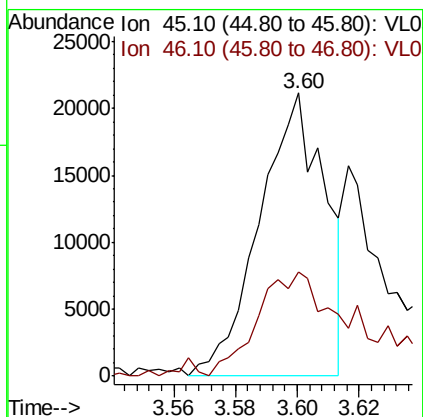
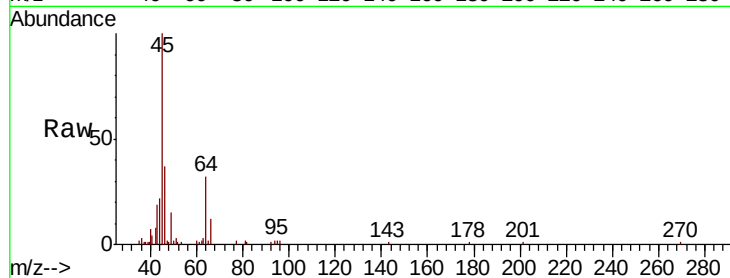
Tgt Ion:101 Resp: 1172312
 Ion Ratio Lower Upper
 101 100
 151 70.1 59.9 89.9





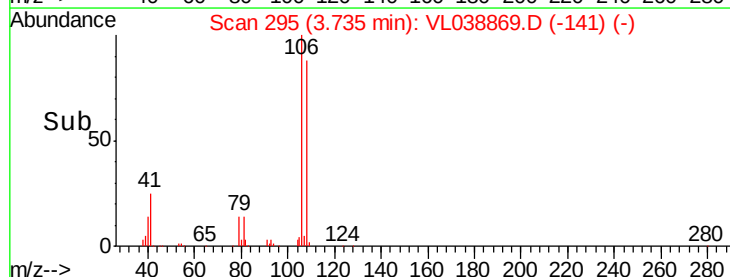
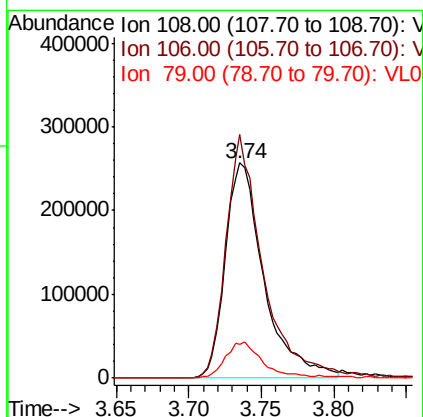
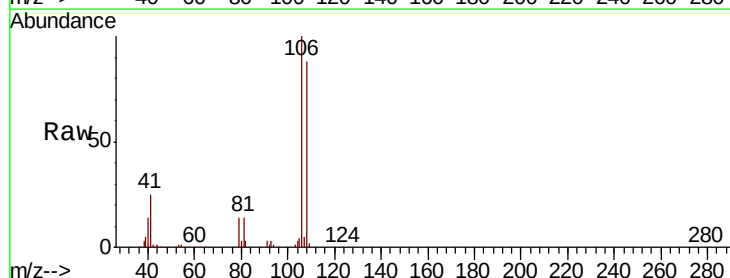
#13
 Ethanol
 Concen: 6.155 ppbv
 RT: 3.60
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 11 Apr 2022 10:22

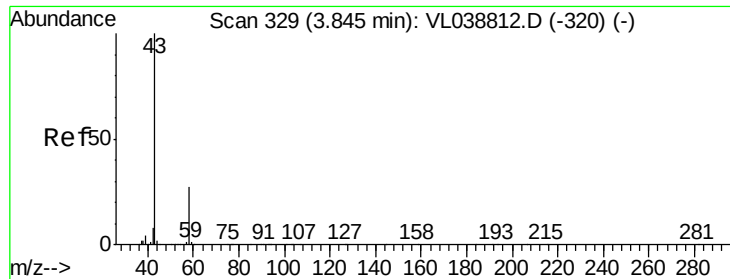
Tot Ion: 45 Resp: 31076
 Ion Ratio Lower Upper
 45 100
 46 65.1 0.0 0.0#



#14
 Bromoethene
 Concen: 9.650 ppbv
 RT: 3.74 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: VL038869.D
 Acq: 11 Apr 2022 10:22

Tgt Ion: 108 Resp: 476760
 Ion Ratio Lower Upper
 108 100
 106 109.7 91.5 137.3
 79 17.3 13.7 20.5





#15

Acetone

Concen: 9.124 ppbv

RT: 3.84 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

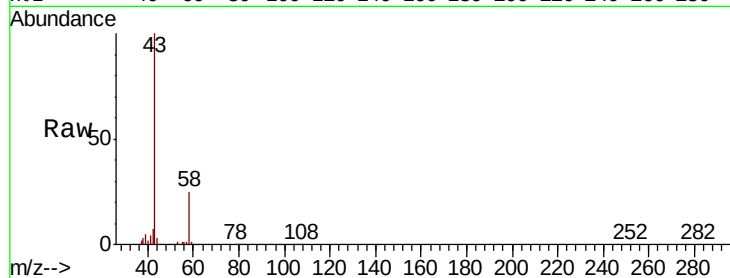
Acq: 11 Apr 2022 10:22

Tot Ion: 43 Resp: 1168868

Ion Ratio Lower Upper

43 100

58 29.5 22.5 33.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

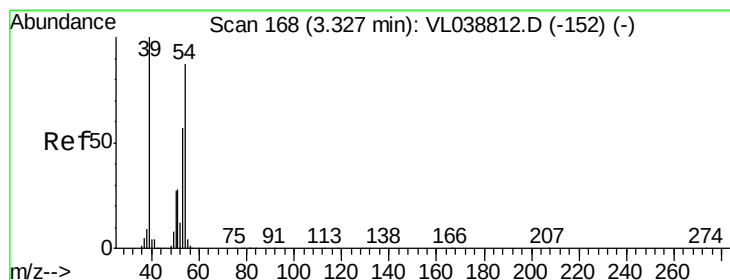
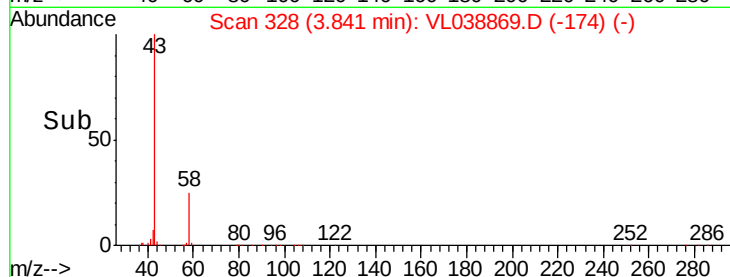
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 9.040 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.00 min

Lab File: VL038869.D

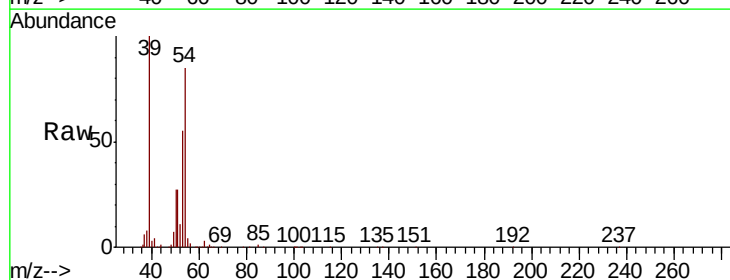
Acq: 11 Apr 2022 10:22

Tgt Ion: 39 Resp: 662062

Ion Ratio Lower Upper

39 100

54 80.7 64.8 97.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.32

400000

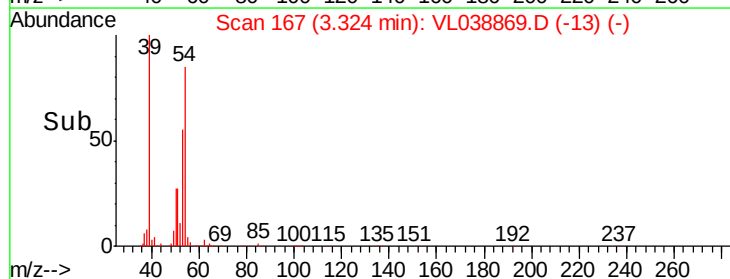
300000

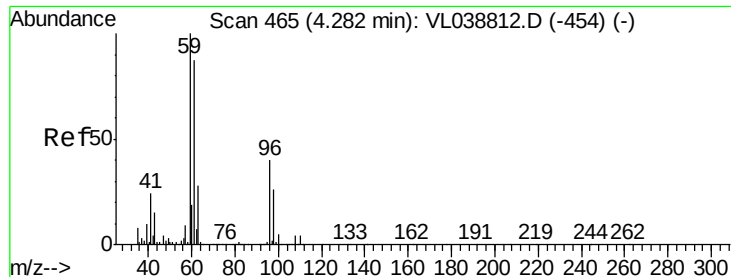
200000

100000

0

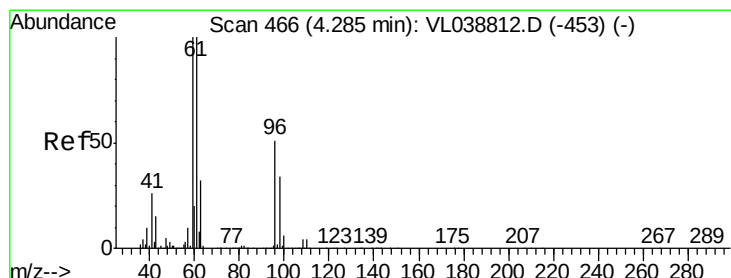
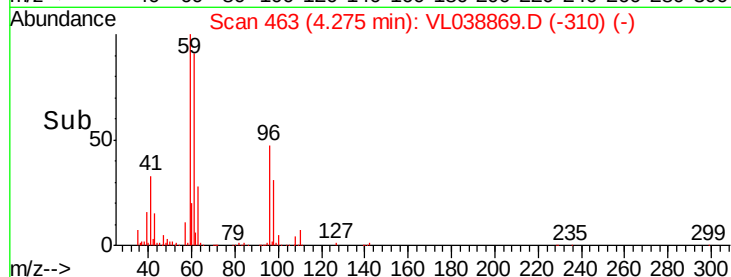
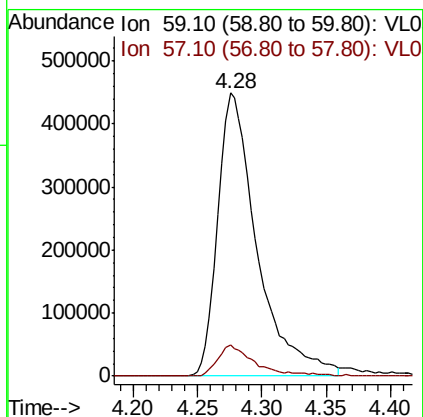
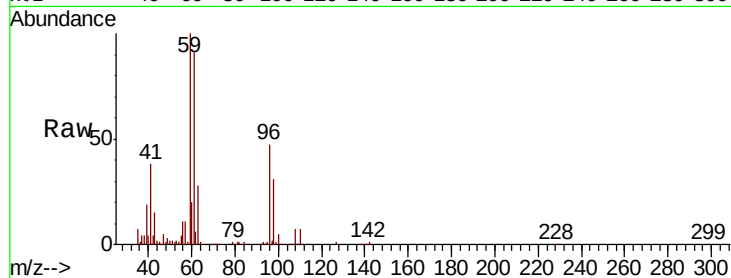
Time-->





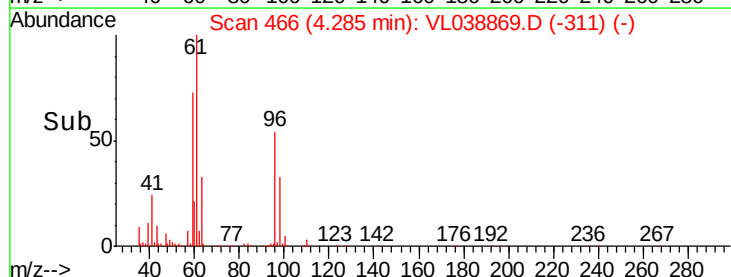
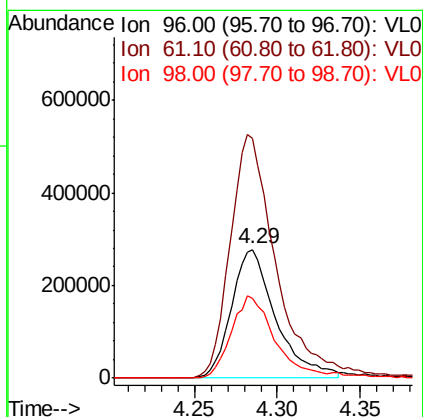
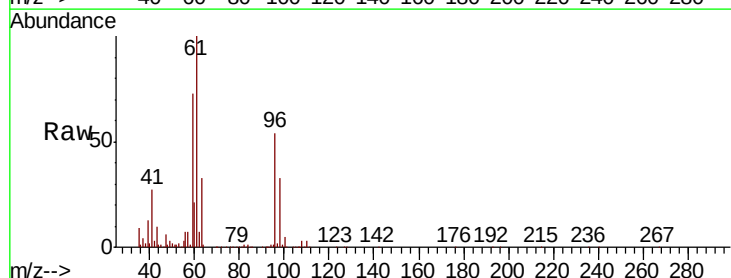
#17
 tert-Butyl alcohol
 Concen: 8.304 ppbv
 RT: 4.28
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 10:22

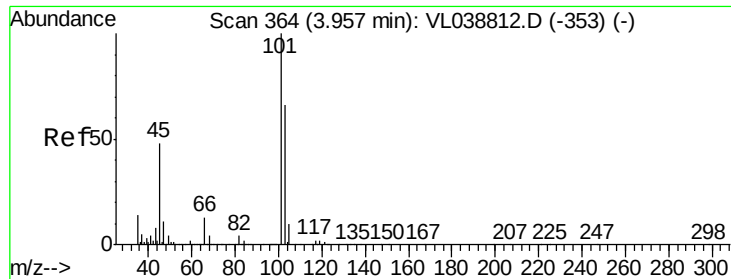
Tot Ion: 59 Resp: 953941
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.5 12.7



#18
 1,1-Dichloroethene
 Concen: 10.096 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VL038869.D
 Acq: 11 Apr 2022 10:22

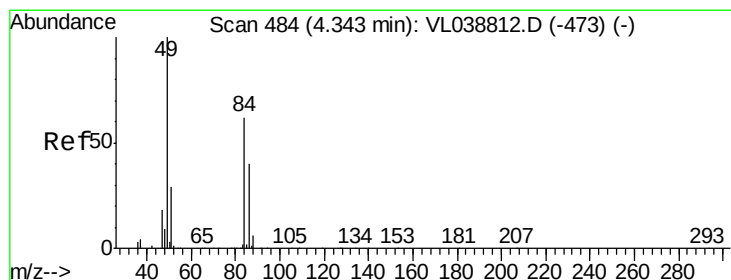
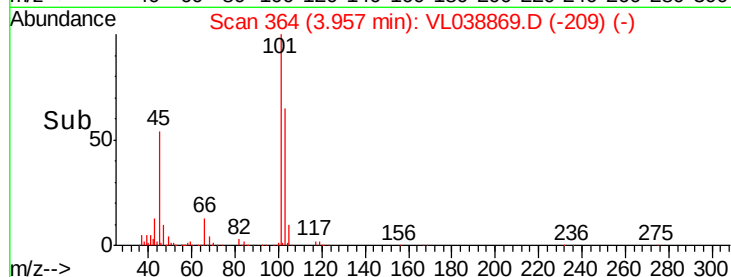
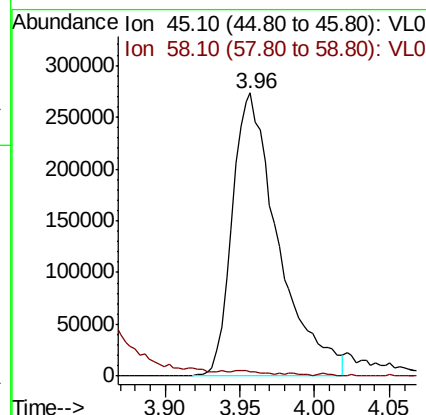
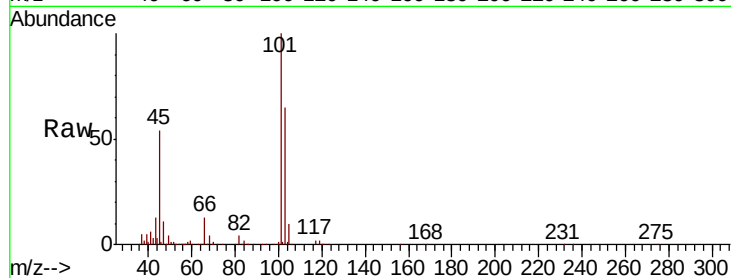
Tgt Ion: 96 Resp: 517025
 Ion Ratio Lower Upper
 96 100
 61 185.6 156.1 234.1
 98 61.6 53.0 79.6





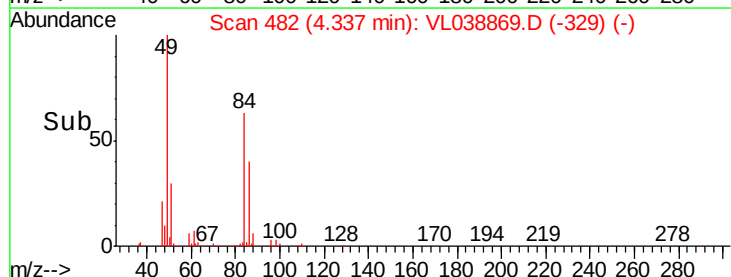
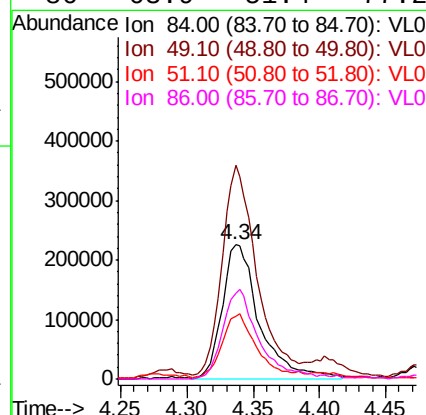
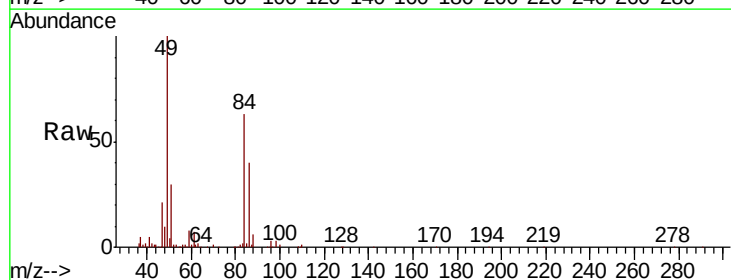
#19
Isopropyl Alcohol
Concen: 8.888 ppbv
RT: 3.96
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 11 Apr 2022 10:22

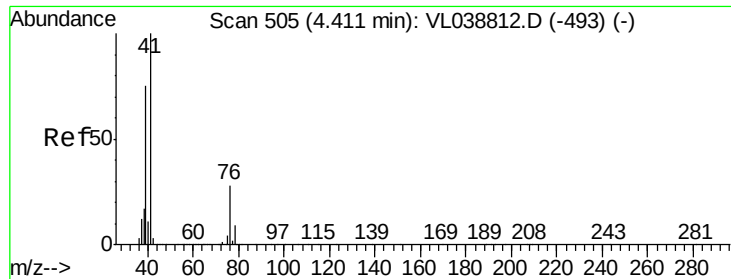
Tot Ion: 45 Resp: 581971
Ion Ratio Lower Upper
45 100
58 58.8 0.0 0.0#



#20
Methylene Chloride
Concen: 9.395 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL038869.D
Acq: 11 Apr 2022 10:22

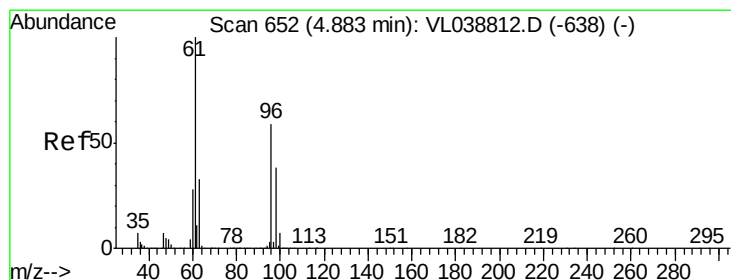
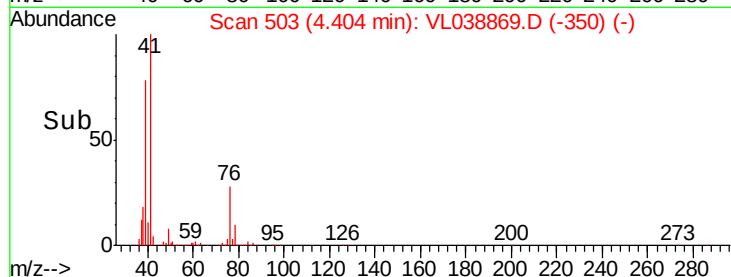
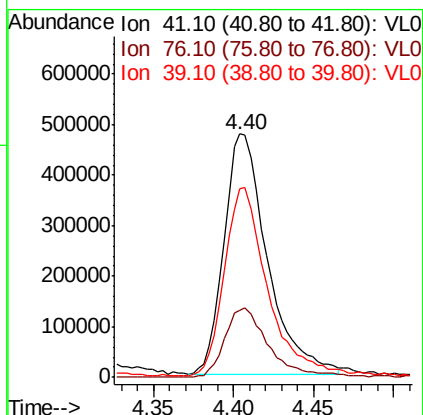
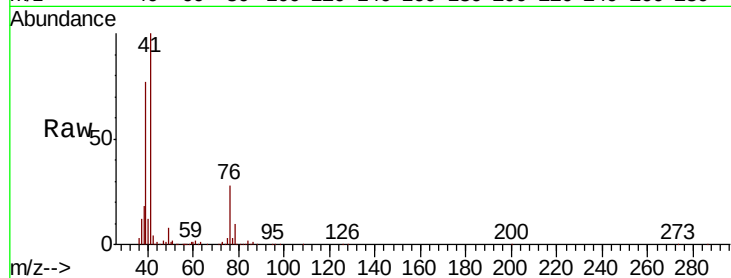
Tgt Ion: 84 Resp: 436507
Ion Ratio Lower Upper
84 100
49 157.1 129.4 194.0
51 46.5 37.4 56.2
86 63.9 51.4 77.2





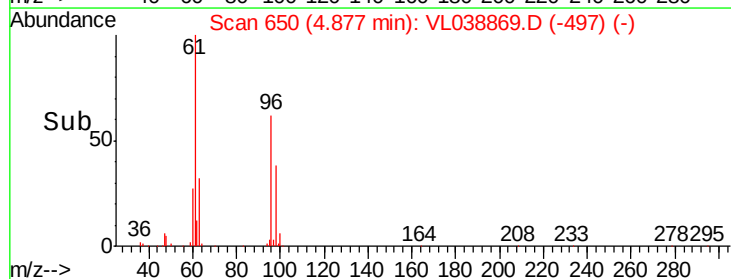
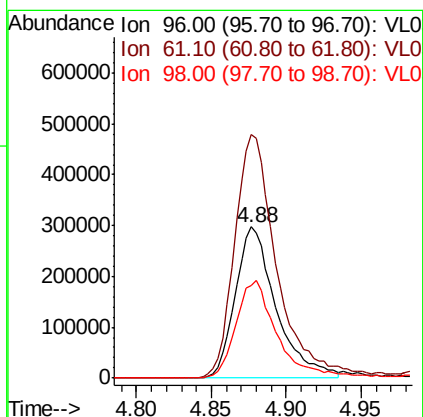
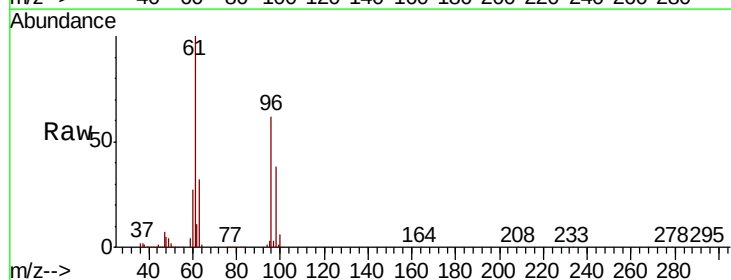
#21
 Allvl Chloride
 Concen: 9.185 ppbv
 RT: 4.40
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 11 Apr 2022 10:22

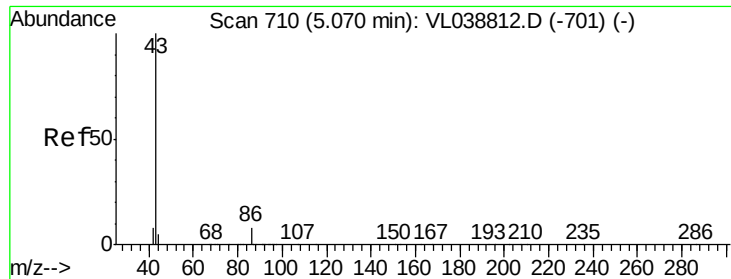
Tot Ion	Ratio	Lower	Upper
41	100		
76	29.7	23.7	35.5
39	79.2	62.0	93.0



#22
 trans-1,2-Dichloroethene
 Concen: 10.878 ppbv
 RT: 4.88 min Scan# 650
 Delta R.T. -0.01 min
 Lab File: VL038869.D
 Acq: 11 Apr 2022 10:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.1	134.8	202.2
98	61.5	51.9	77.9





#23

Vinyl Acetate

Concen: 10.450 ppbv

RT: 5.06 Instrument: MSVOA_1

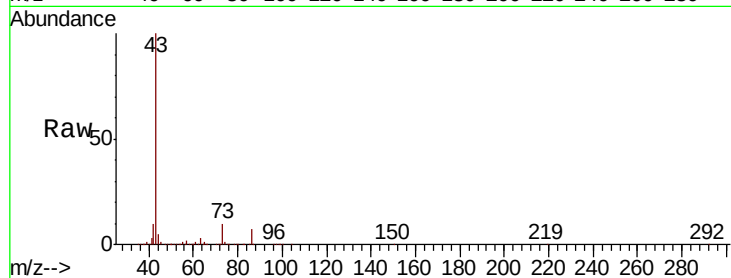
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

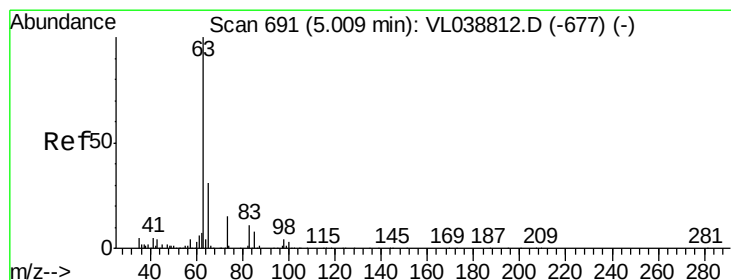
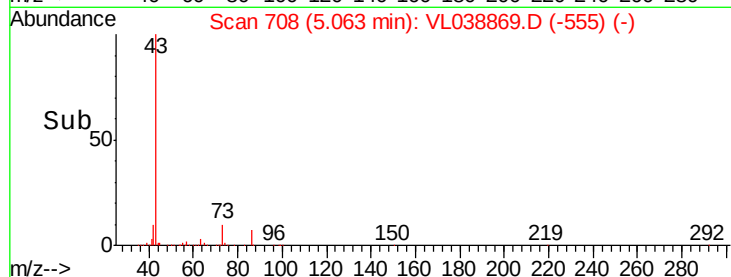
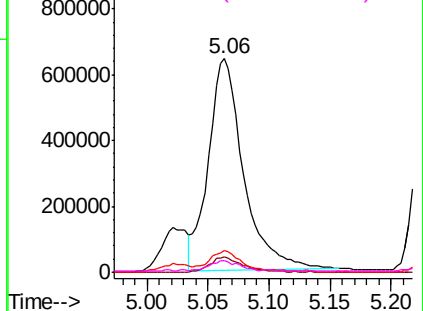
Acq: 11 Apr 2022 10:22

Tot Ion: 43 Resp: 1303686

Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.8	8.6
42	10.1	7.8	11.6
44	4.8	3.6	5.4



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



#24

1,1-Dichloroethane

Concen: 9.957 ppbv

RT: 5.00 min Scan# 689

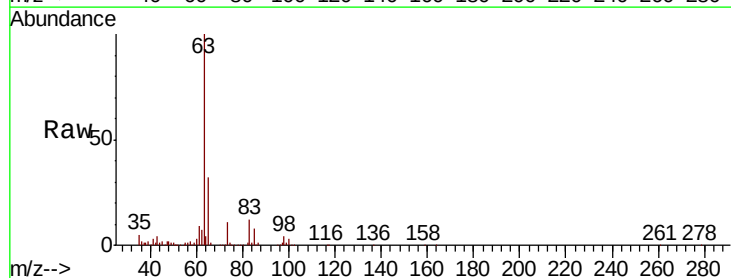
Delta R.T. -0.01 min

Lab File: VL038869.D

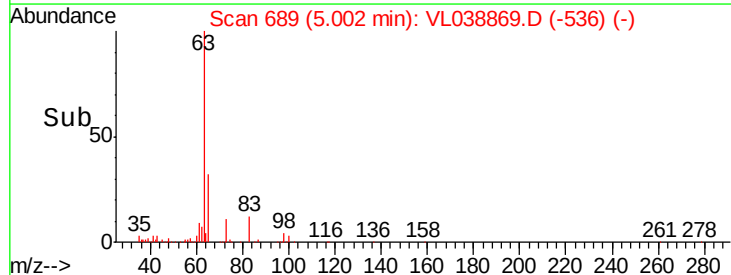
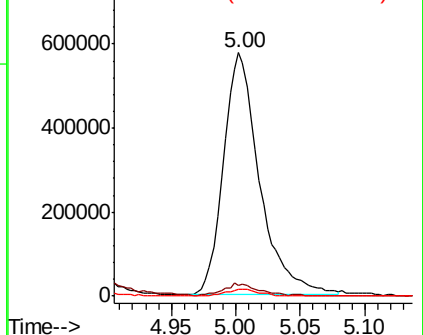
Acq: 11 Apr 2022 10:22

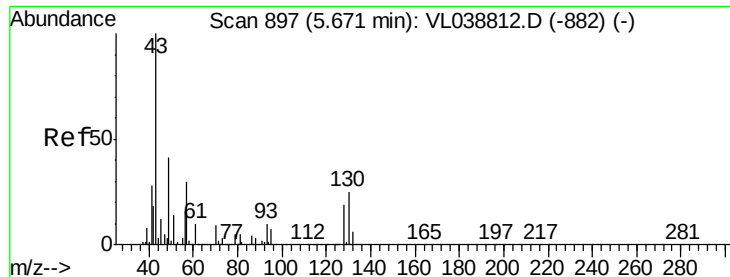
Tgt Ion: 63 Resp: 1122522

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.2	6.6
100	2.7	1.4	4.0



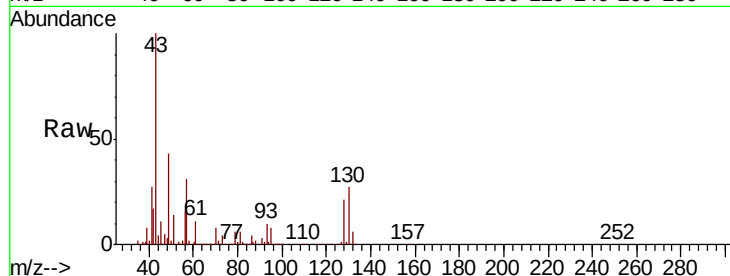
Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 9.045 ppbv
RT: 5.66
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 11 Apr 2022 10:22

Tot Ion:	43	Resp:	2940185
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.4	12.6
61	10.2	7.9	11.9
70	6.9	5.6	8.4



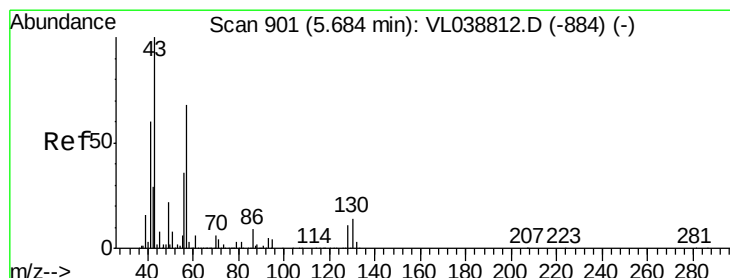
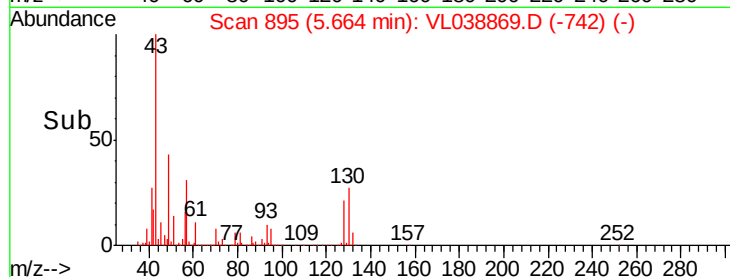
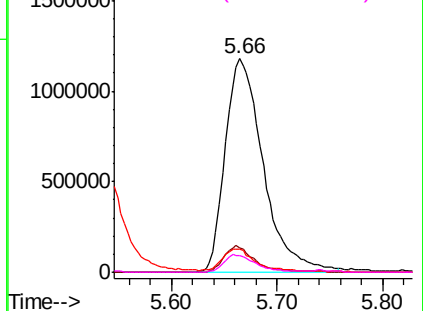
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

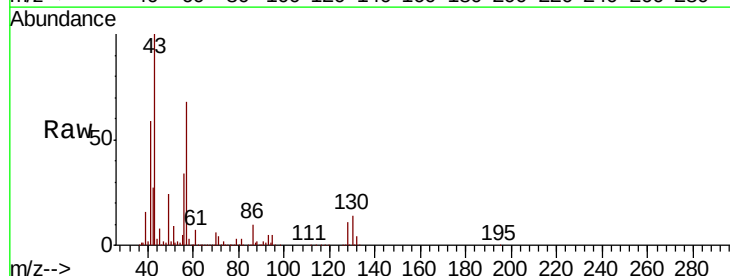
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.744 ppbv
RT: 5.68 min Scan# 899
Delta R.T.: -0.01 min
Lab File: VL038869.D
Acq: 11 Apr 2022 10:22

Tgt Ion:	57	Resp:	1293786
Ion	Ratio	Lower	Upper
57	100		
41	88.5	72.0	108.0
43	231.3	186.6	280.0
56	52.7	42.8	64.2



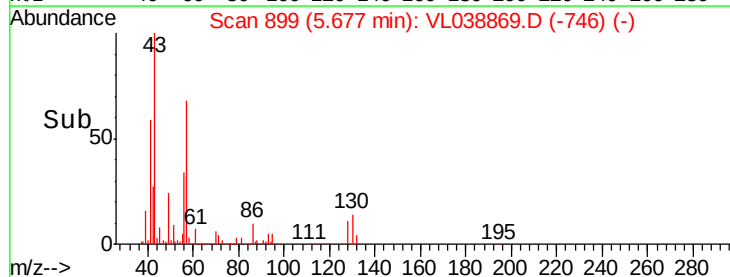
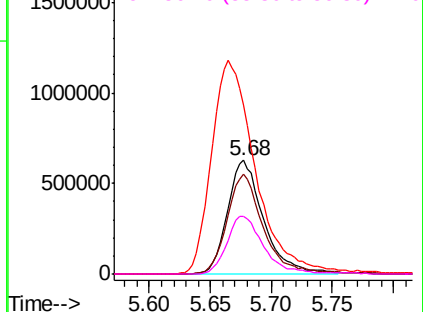
Abundance

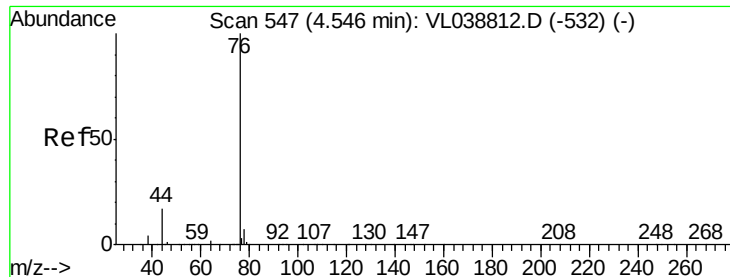
Ion 57.10 (56.80 to 57.80): VL0

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: 10.368 ppbv

RT: 4.54 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 11 Apr 2022 10:22

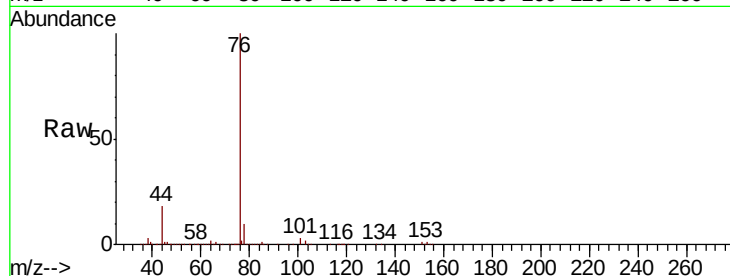
Tot Ion: 76 Resp: 1406813

Ion Ratio Lower Upper

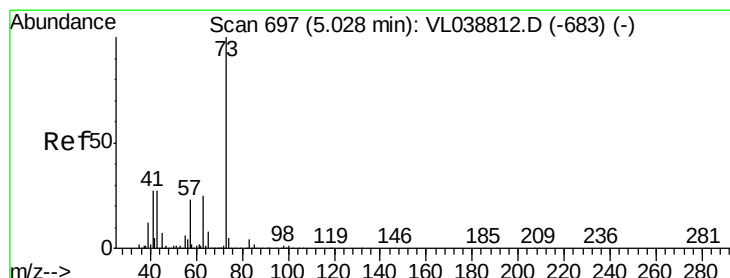
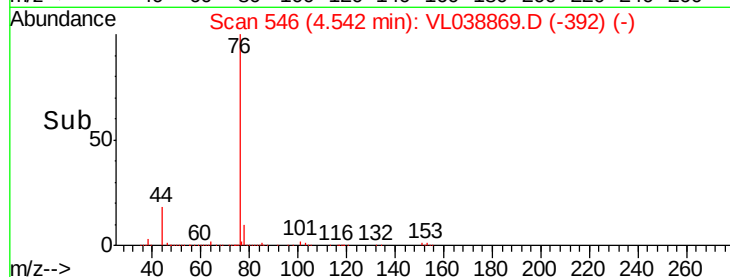
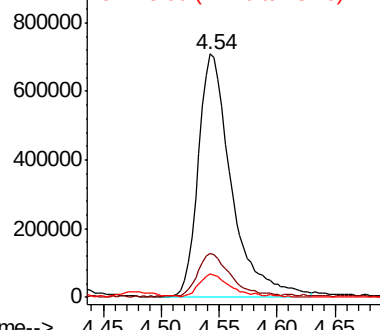
76 100

44 19.1 15.7 23.5

78 9.4 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



#28

Methyl tert-Butyl Ether

Concen: 9.276 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.00 min

Lab File: VL038869.D

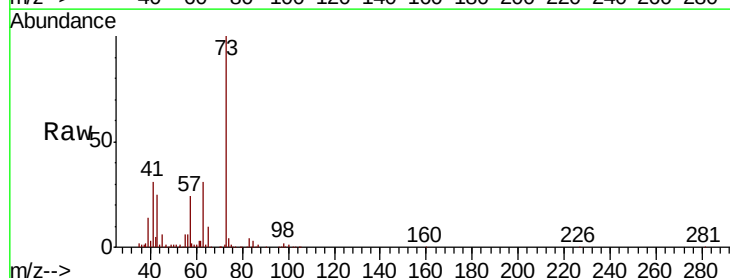
Acq: 11 Apr 2022 10:22

Tgt Ion: 73 Resp: 1060038

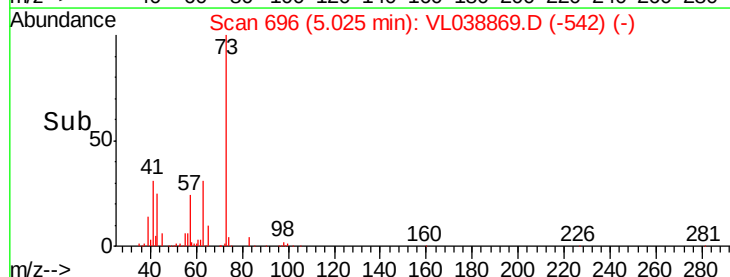
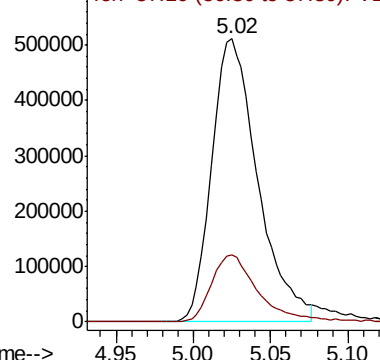
Ion Ratio Lower Upper

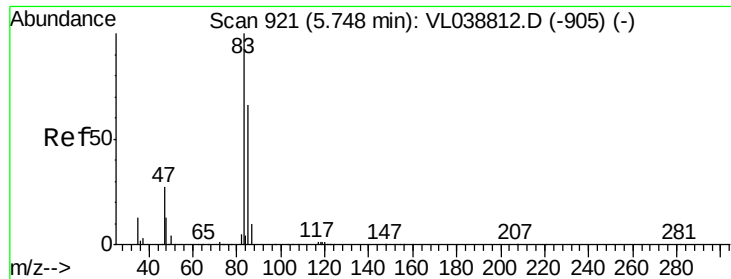
73 100

57 24.5 19.7 29.5



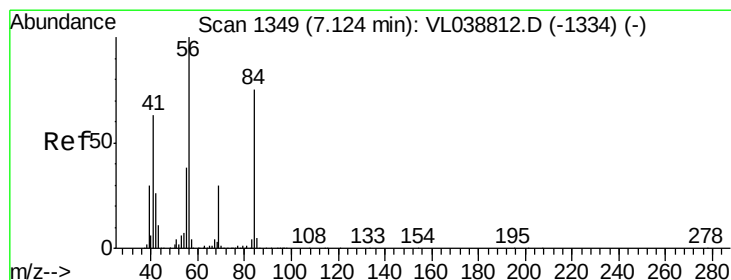
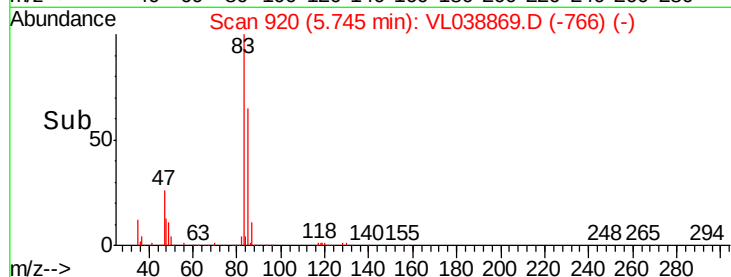
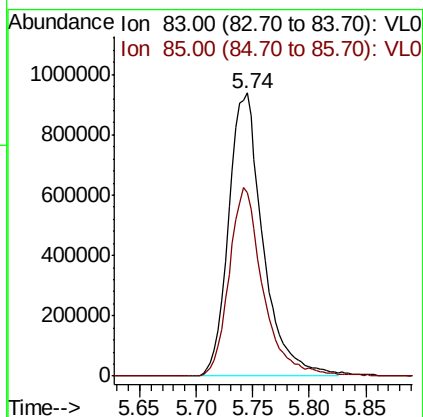
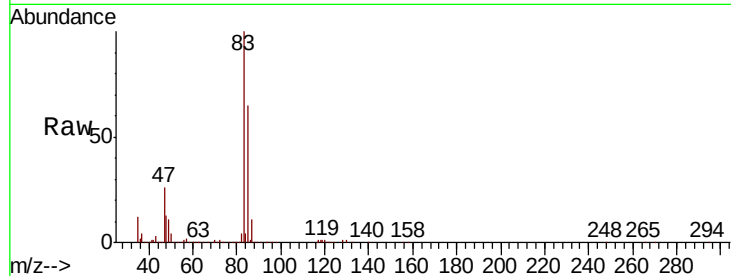
Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





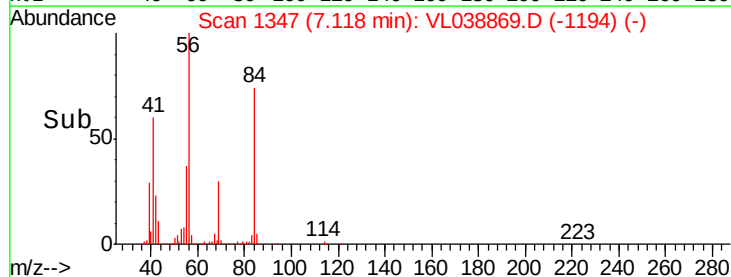
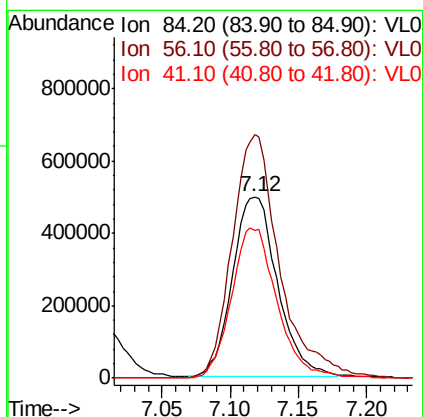
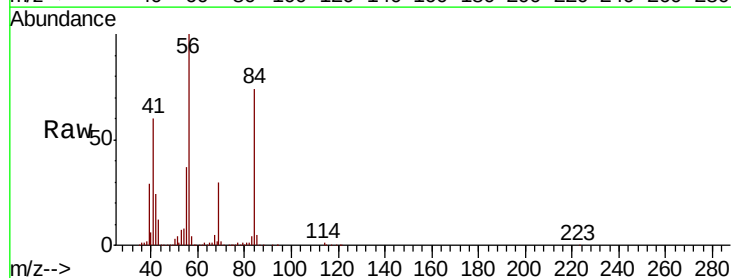
#29
Chloroform
Concen: 9.612 ppbv
RT: 5.74
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 11 Apr 2022 10:22

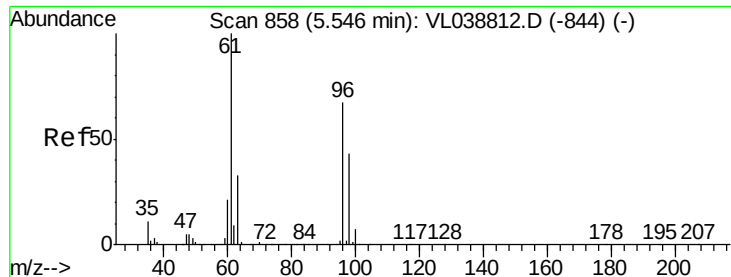
Tot Ion: 83 Resp: 1989746
Ion Ratio Lower Upper
83 100
85 64.9 52.5 78.7



#30
Cyclohexane
Concen: 8.746 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.01 min
Lab File: VL038869.D
Acq: 11 Apr 2022 10:22

Tgt Ion: 84 Resp: 1140564
Ion Ratio Lower Upper
84 100
56 143.3 114.4 171.6
41 85.2 69.0 103.4





#31

cis-1,2-Dichloroethene

Concen: 8.046 ppbv

RT: 5.54 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 11 Apr 2022 10:22 VSTDCCC010

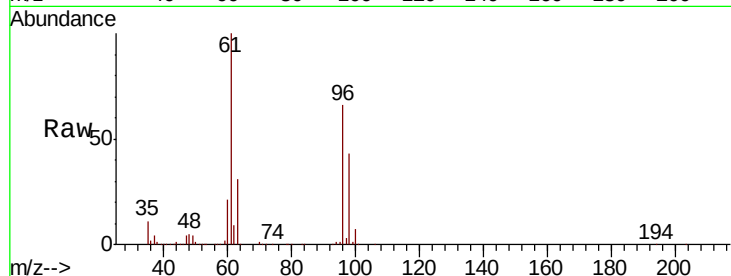
Tot Ion: 61 Resp: 1094577

Ion Ratio Lower Upper

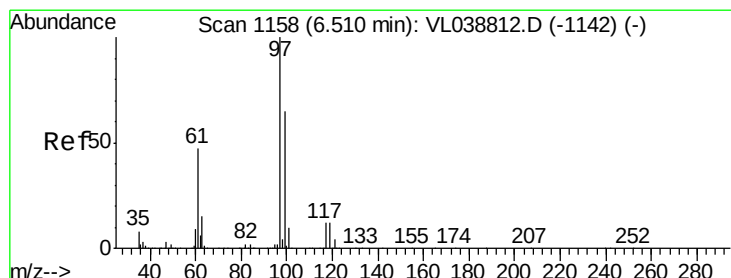
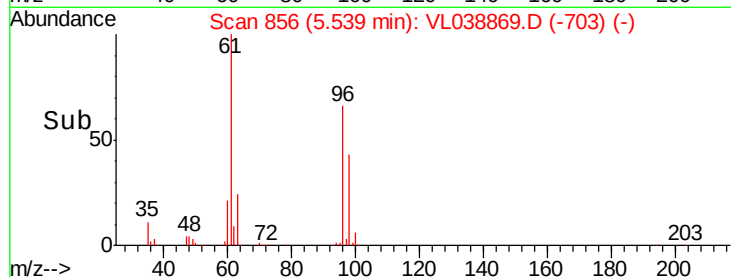
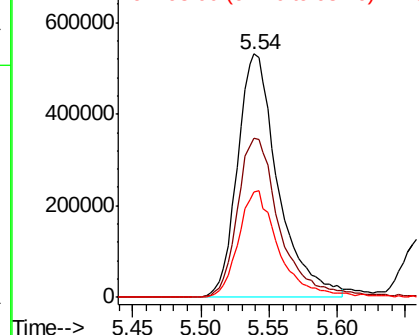
61 100

96 65.5 53.4 80.0

98 43.4 34.2 51.4



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



#32

1,1,1-Trichloroethane

Concen: 9.741 ppbv

RT: 6.50 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VL038869.D

Acq: 11 Apr 2022 10:22

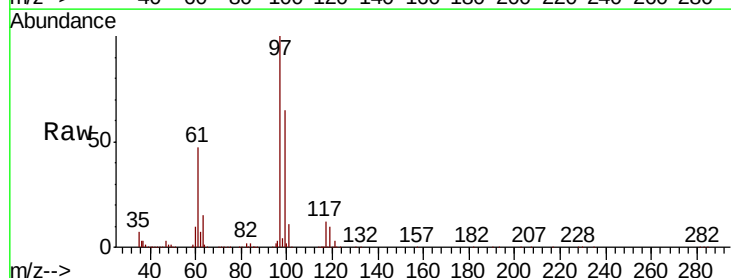
Tgt Ion: 97 Resp: 2031782

Ion Ratio Lower Upper

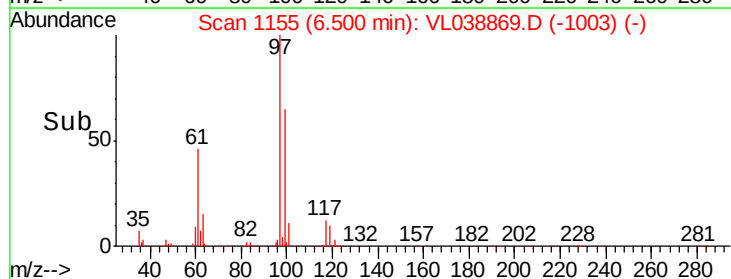
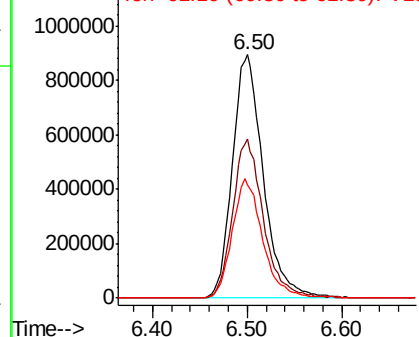
97 100

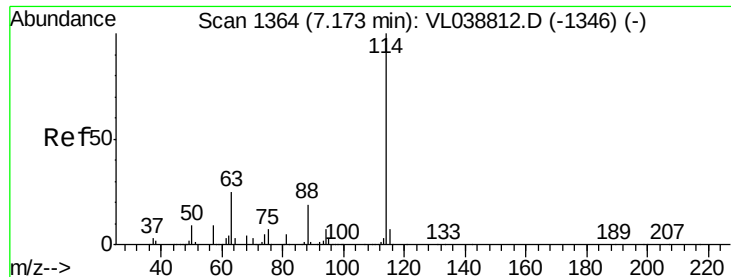
99 65.1 52.4 78.6

61 48.4 38.6 57.8



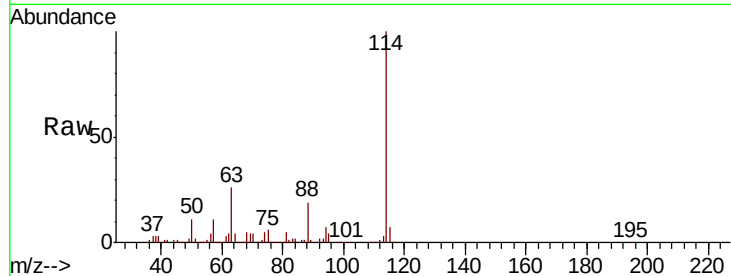
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



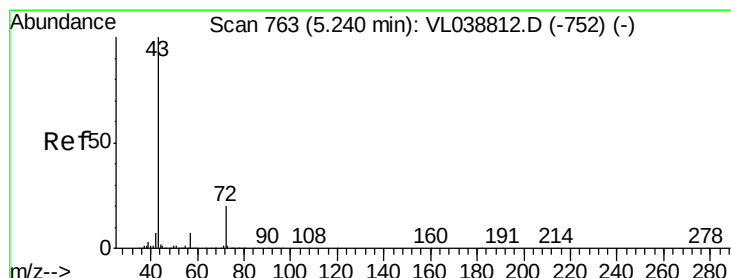
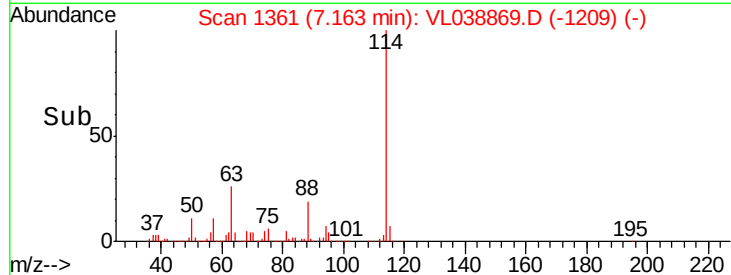
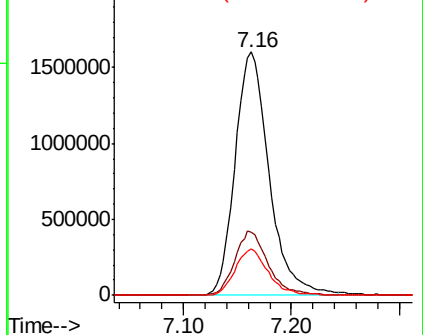


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 11 Apr 2022 10:22

Tot Ion:114 Resp: 3522633
 Ion Ratio Lower Upper
 114 100
 63 26.3 19.8 29.8
 88 18.8 14.2 21.4

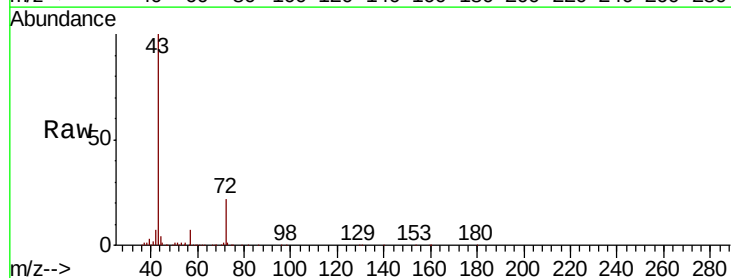


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

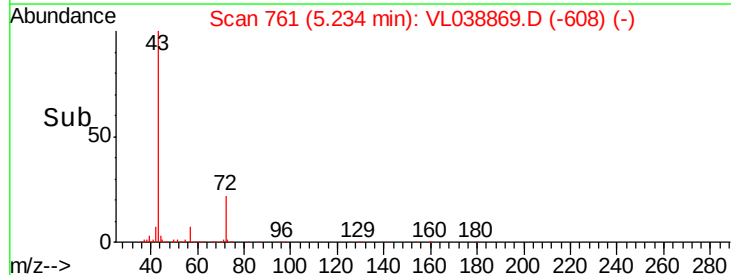
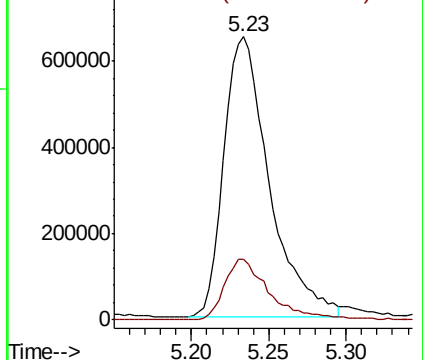


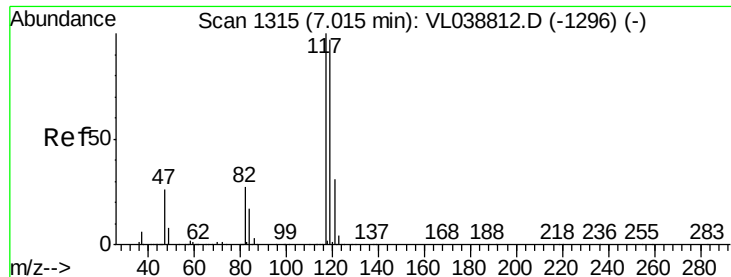
#34
 2-Butanone
 Concen: 9.555 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VL038869.D
 Acq: 11 Apr 2022 10:22

Tgt Ion: 43 Resp: 1330019
 Ion Ratio Lower Upper
 43 100
 72 22.0 16.9 25.3



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.730 ppbv

RT: 7.01 Instrument:

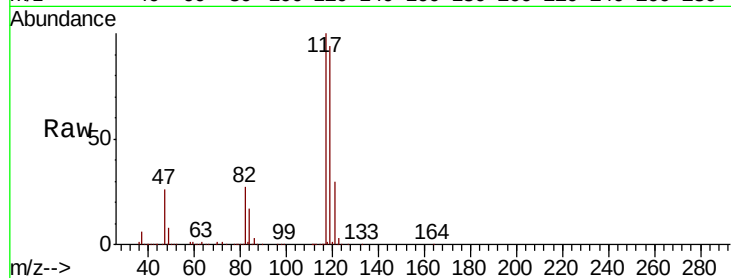
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 11 Apr 2022 10:22

Tot Ion:117 Resp: 2054847

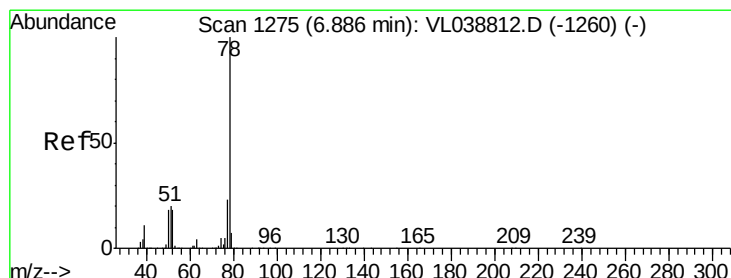
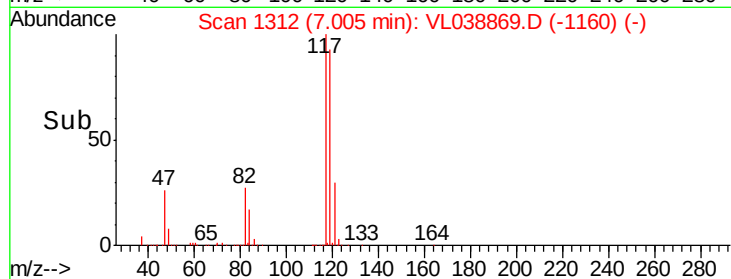
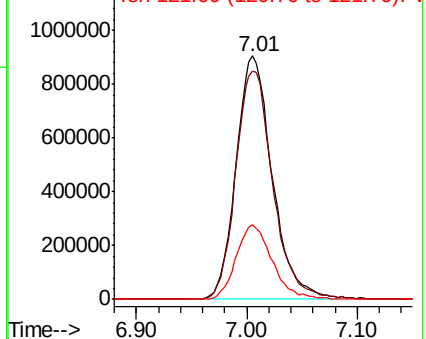
Ion	Ratio	Lower	Upper
117	100		
119	93.9	77.7	116.5
121	30.5	24.5	36.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.961 ppbv

RT: 6.88 min Scan# 1272

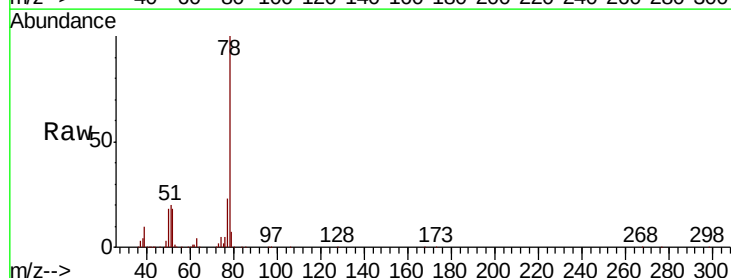
Delta R.T. -0.01 min

Lab File: VL038869.D

Acq: 11 Apr 2022 10:22

Tgt Ion: 78 Resp: 2871566

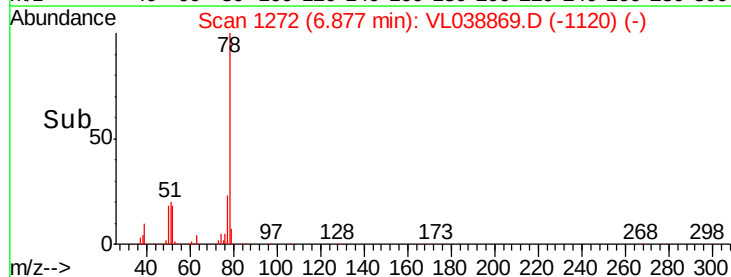
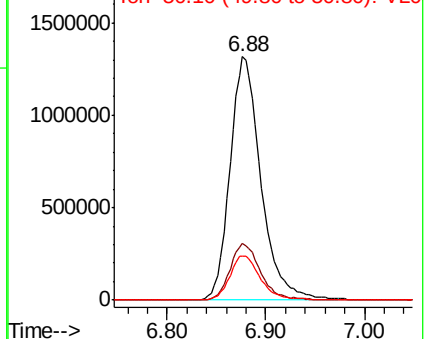
Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.2
50	18.0	14.0	21.0

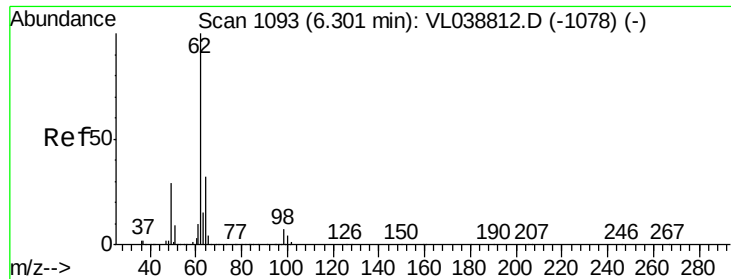


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

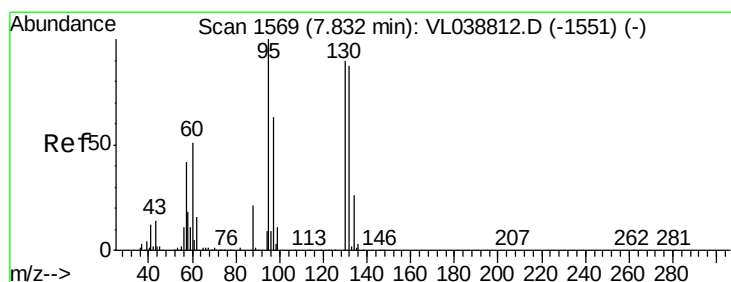
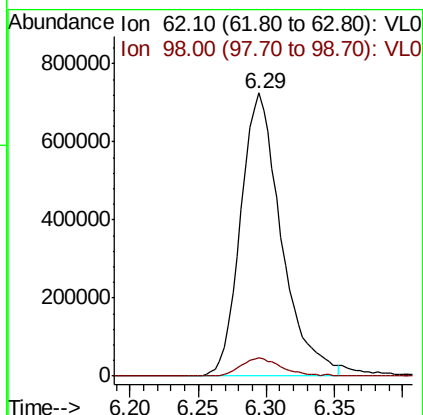
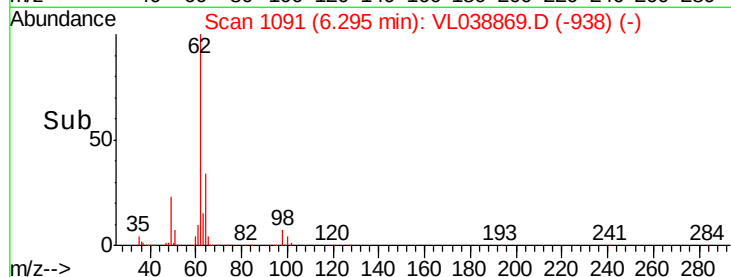
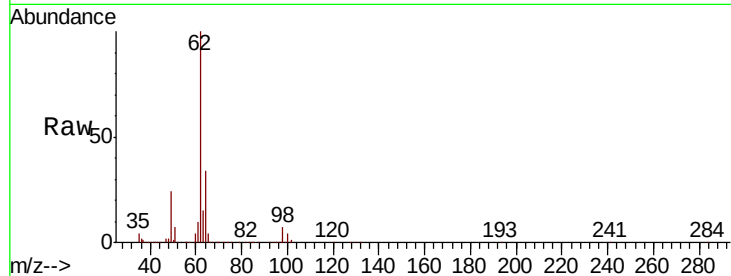
Ion 50.10 (49.80 to 50.80): VL0





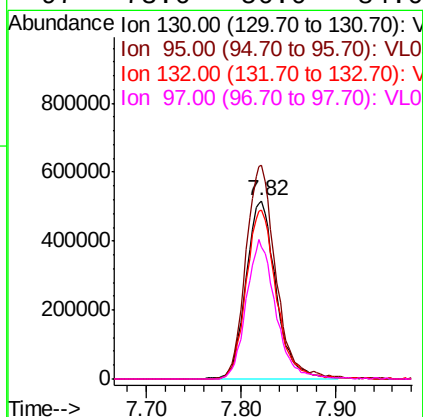
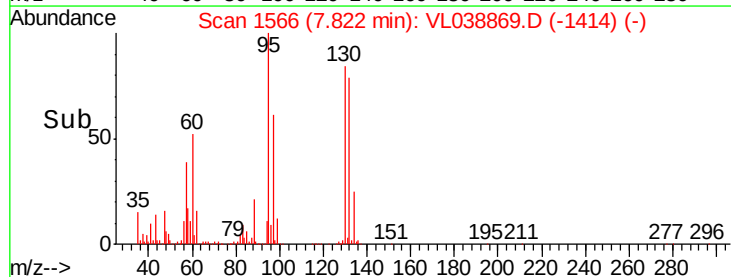
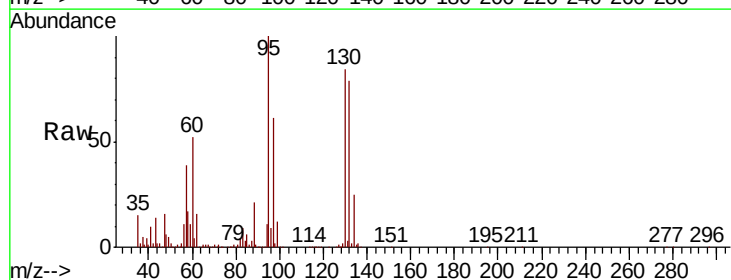
#37
 1,2-Dichloroethane
 Concen: 10.230 ppbv
 RT: 6.29
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 11 Apr 2022 10:22

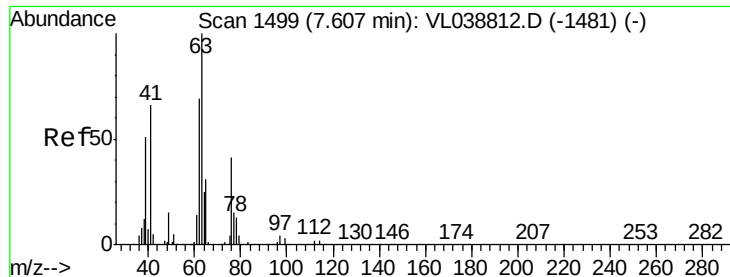
Tot Ion: 62 Resp: 1498861
 Ion Ratio Lower Upper
 62 100
 98 6.9 5.9 8.9



#38
 Trichloroethene
 Concen: 8.665 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VL038869.D
 Acq: 11 Apr 2022 10:22

Tgt Ion: 130 Resp: 1139400
 Ion Ratio Lower Upper
 130 100
 95 119.7 89.4 134.0
 132 94.7 77.7 116.5
 97 73.6 56.0 84.0





#39

1,2-Dichloropropane

Concen: 9.079 ppbv

RT: 7.60 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 11 Apr 2022 10:22

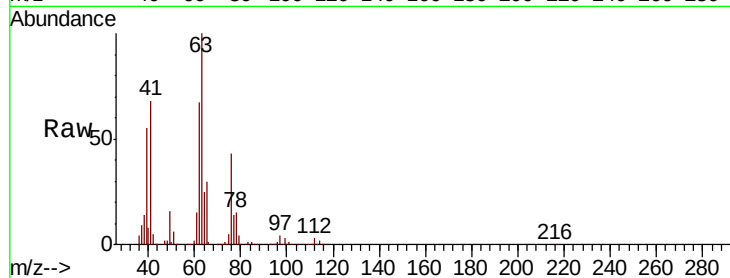
Tot Ion: 63 Resp: 1112831

Ion Ratio Lower Upper

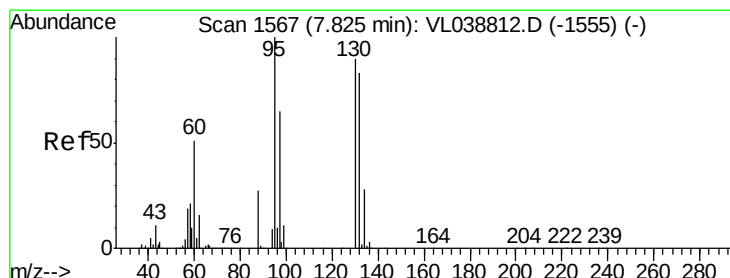
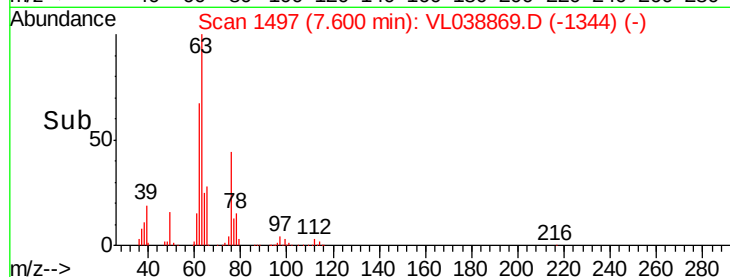
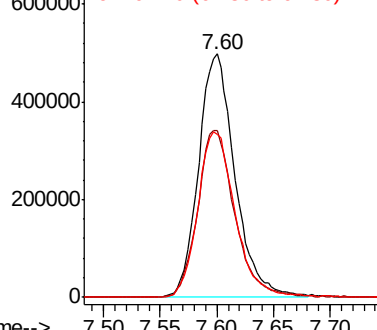
63 100

41 68.2 53.0 79.6

62 66.7 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: 8.569 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VL038869.D

Acq: 11 Apr 2022 10:22

Tgt Ion: 88 Resp: 356652

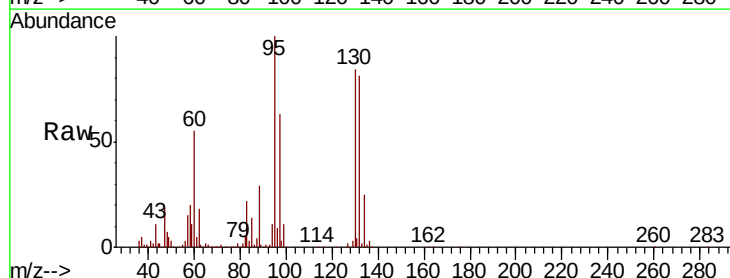
Ion Ratio Lower Upper

88 100

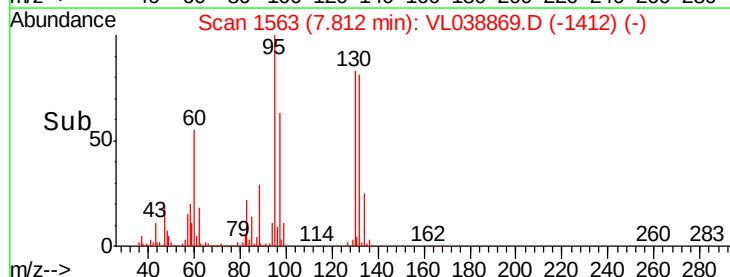
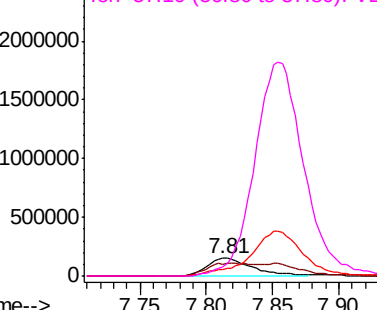
58 67.7 49.4 74.0

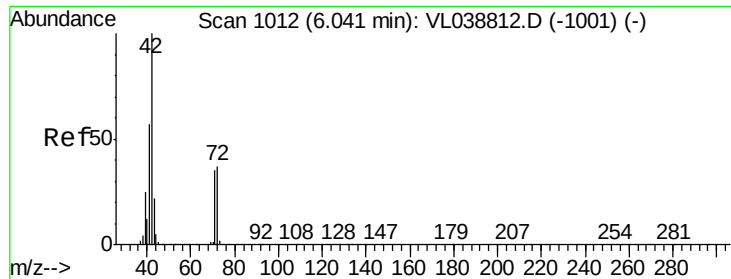
43 0.0 0.0 0.0

57 0.0 0.0 0.0



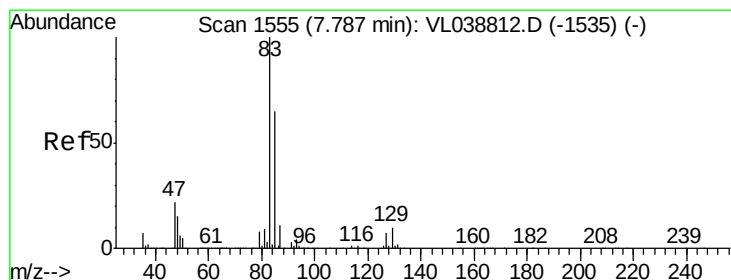
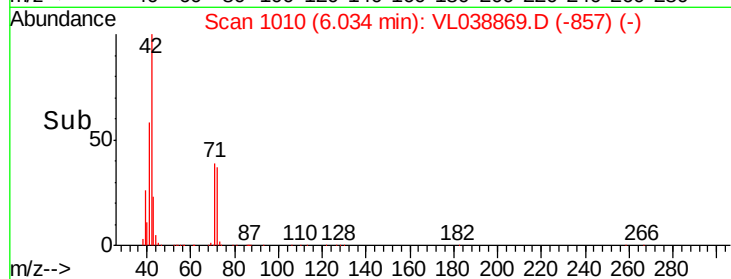
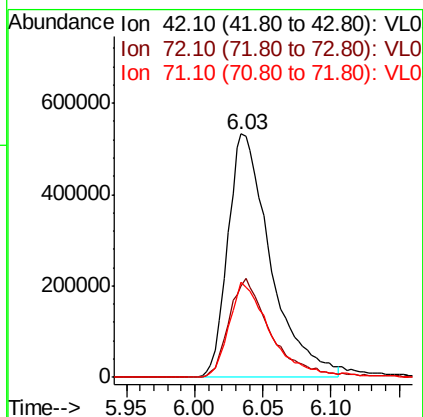
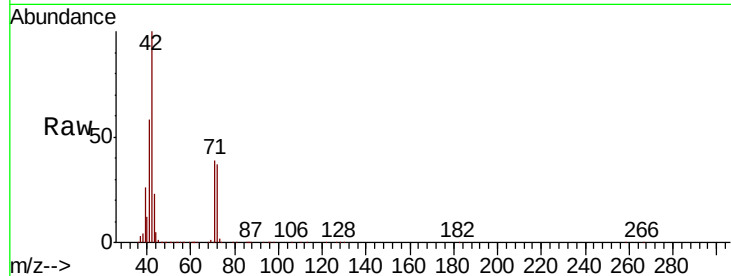
Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





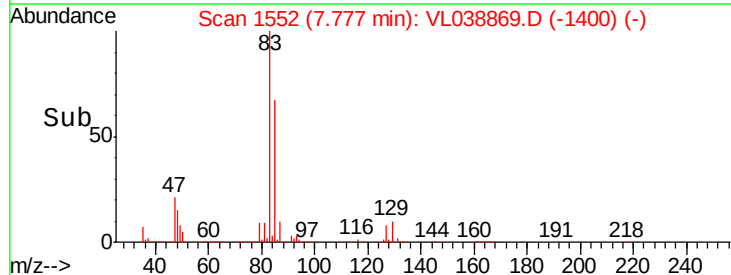
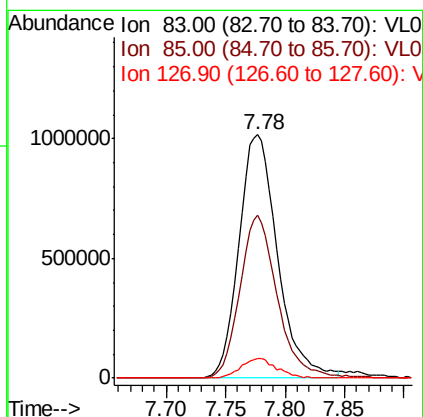
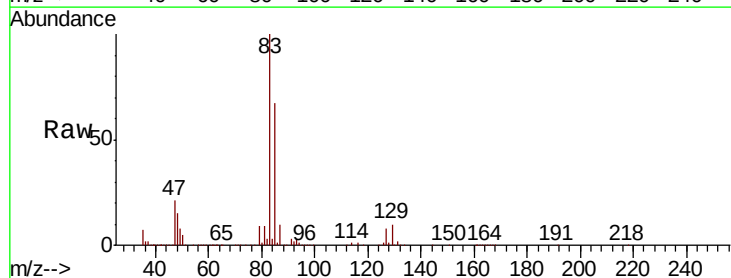
#41
Tetrahydrofuran
Concen: 8.797 ppbv
RT: 6.03
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 11 Apr 2022 10:22

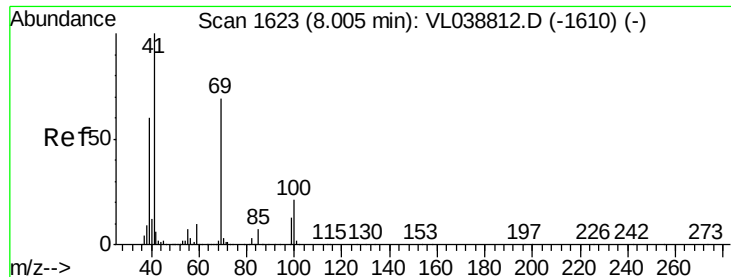
Tot Ion: 42 Resp: 1162987
Ion Ratio Lower Upper
42 100
72 40.5 31.4 47.0
71 38.6 30.2 45.4



#42
Bromodichloromethane
Concen: 9.879 ppbv
RT: 7.78 min Scan# 1552
Delta R.T.: -0.01 min
Lab File: VL038869.D
Acq: 11 Apr 2022 10:22

Tgt Ion: 83 Resp: 2285583
Ion Ratio Lower Upper
83 100
85 67.2 51.7 77.5
127 7.9 5.9 8.9





#43

Methyl Methacrylate

Concen: 9.691 ppbv

RT: 8.00

Instrument: MSVOA_1

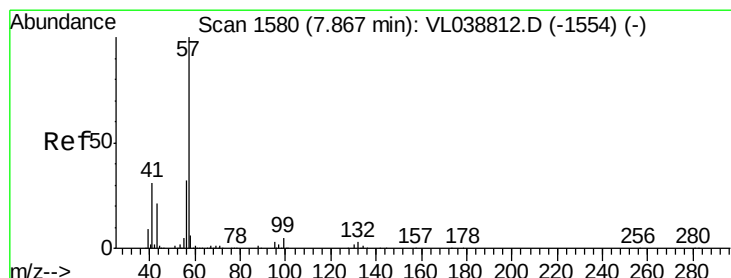
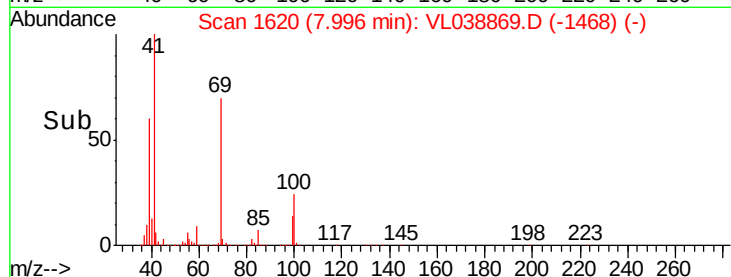
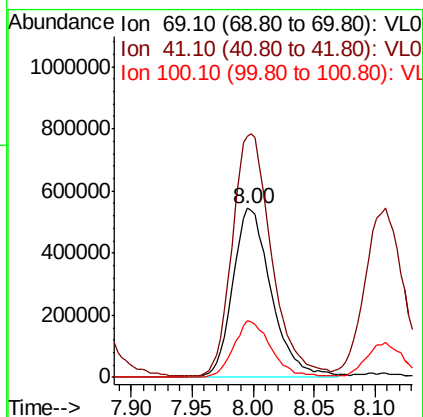
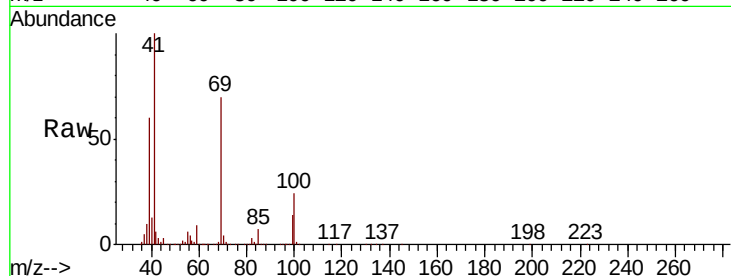
Delta R.T.

Lab File: ClientSampleId: VSTDCCC010

Acq: 11 Apr 2022 10:22

Tot Ion: 69 Resp: 1189497

Ion	Ratio	Lower	Upper
69	100		
41	147.1	119.0	178.4
100	32.5	26.4	39.6



#44

2,2,4-Trimethylpentane

Concen: 8.735 ppbv

RT: 7.85 min Scan# 1576

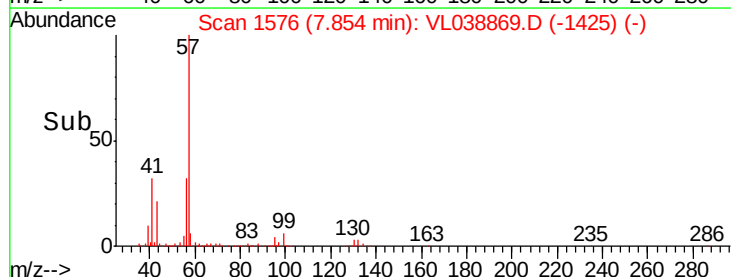
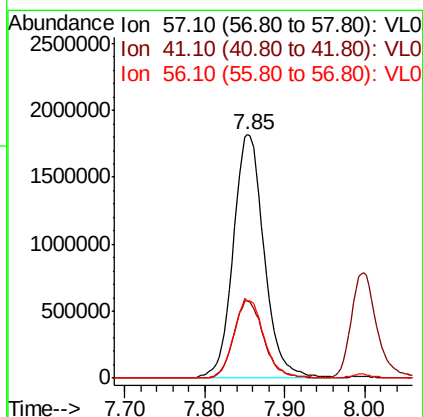
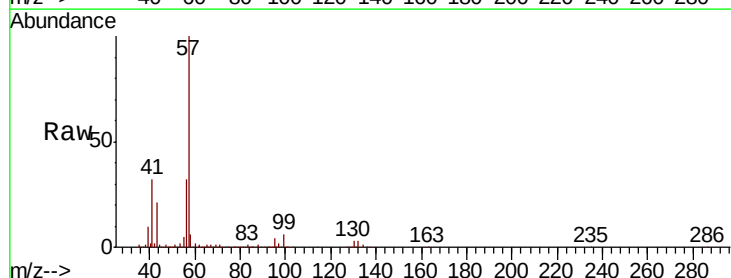
Delta R.T. -0.01 min

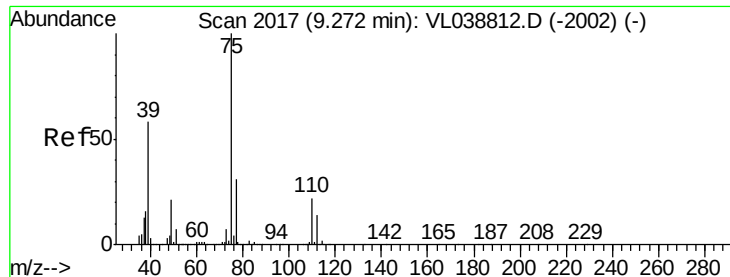
Lab File: VL038869.D

Acq: 11 Apr 2022 10:22

Tgt Ion: 57 Resp: 4739353

Ion	Ratio	Lower	Upper
57	100		
41	31.0	25.0	37.4
56	31.5	25.3	37.9





#45

t-1,3-Dichloropropene

Concen: 9.584 ppbv

RT: 9.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

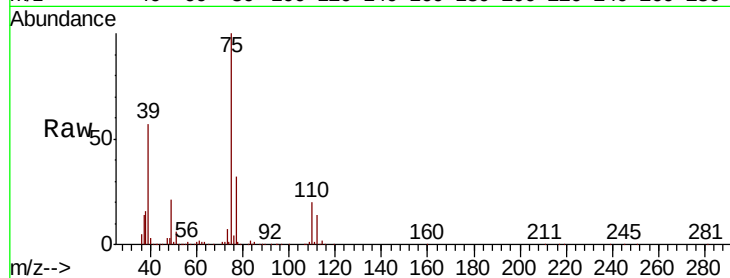
Acq: 11 Apr 2022 10:22 VSTDCCC010

Tot Ion: 75 Resp: 1229993

Ion Ratio Lower Upper

75 100

77 32.5 25.0 37.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

600000

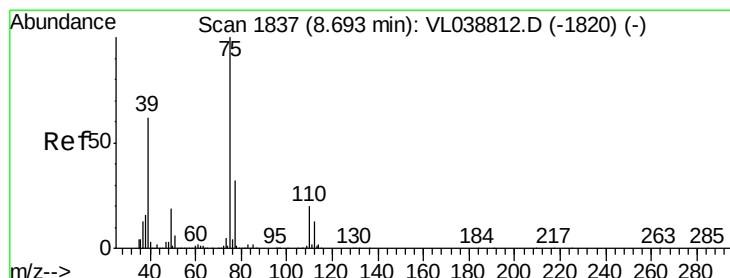
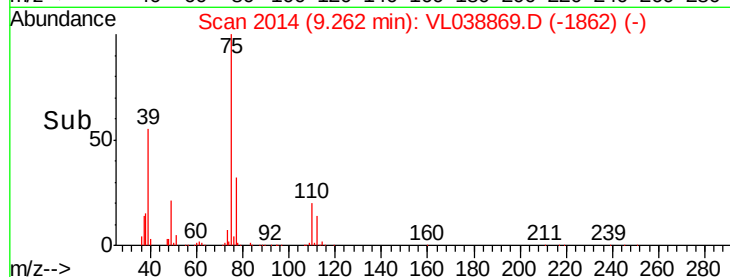
400000

200000

0

9.20 9.25 9.30

Time-->



#46

cis-1,3-Dichloropropene

Concen: 9.237 ppbv

RT: 8.68 min Scan# 1834

Delta R.T. -0.01 min

Lab File: VL038869.D

Acq: 11 Apr 2022 10:22

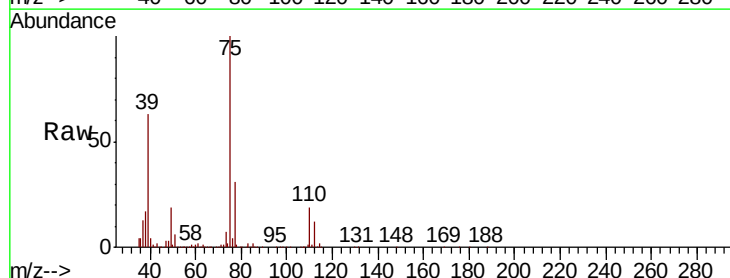
Tgt Ion: 75 Resp: 1563032

Ion Ratio Lower Upper

75 100

39 62.9 49.7 74.5

77 30.7 25.6 38.4



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

1000000

800000

600000

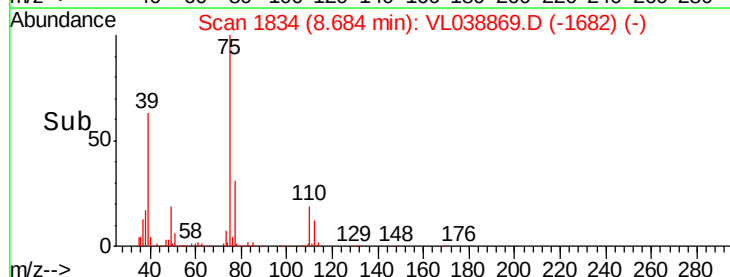
400000

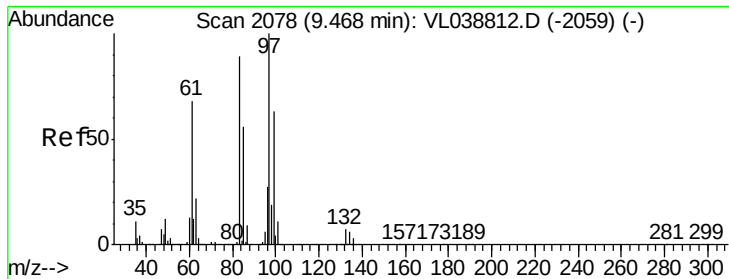
200000

0

8.60 8.70 8.80

Time-->





#47

1,1,2-Trichloroethane

Concen: 9.152 ppbv

RT: 9.46 Instrument:

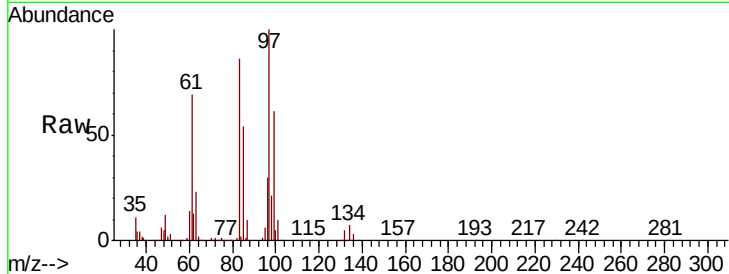
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

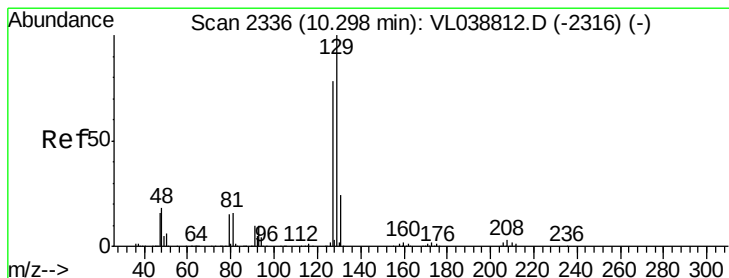
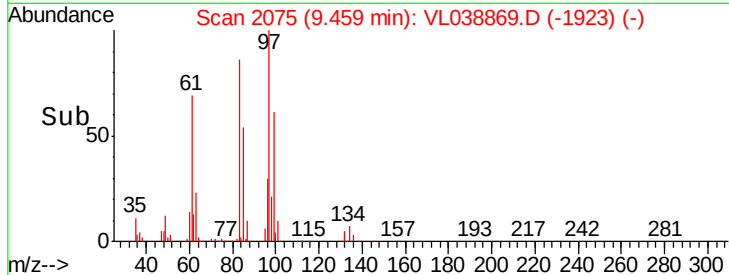
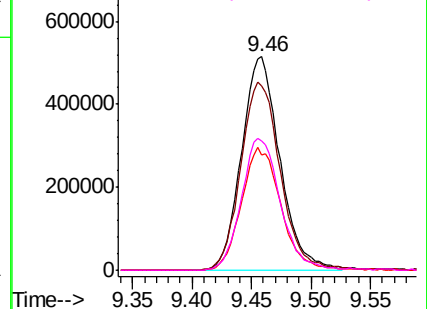
Acq: 11 Apr 2022 10:22 VSTDCCC010

Tot Ion: 97 Resp: 1149482

Ion	Ratio	Lower	Upper
97	100		
83	86.3	71.1	106.7
85	54.0	45.1	67.7
99	60.7	50.8	76.2



Abundance Ion 97.00 (96.70 to 97.70): VL0
 800000 Ion 83.00 (82.70 to 83.70): VL0
 600000 Ion 85.00 (84.70 to 85.70): VL0
 400000 Ion 99.00 (98.70 to 99.70): VL0
 200000
 0



#48

Dibromochloromethane

Concen: 9.668 ppbv

RT: 10.28 min Scan# 2332

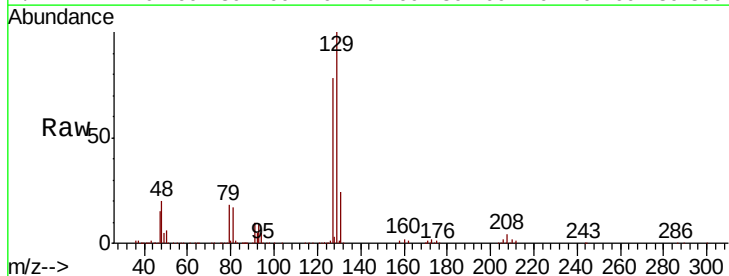
Delta R.T. -0.01 min

Lab File: VL038869.D

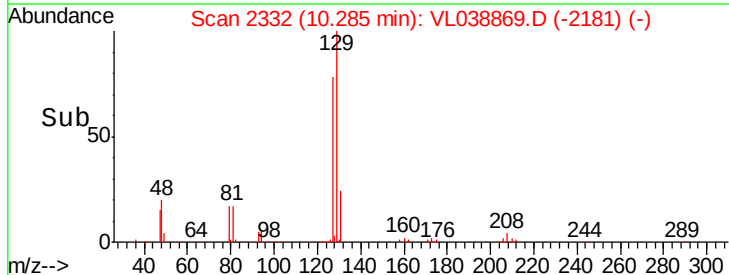
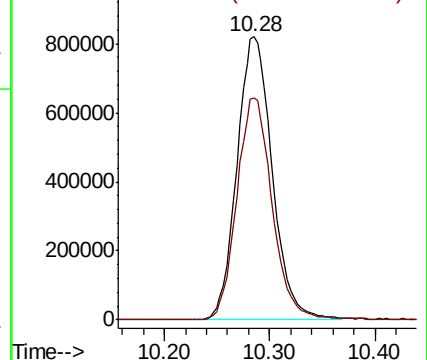
Acq: 11 Apr 2022 10:22

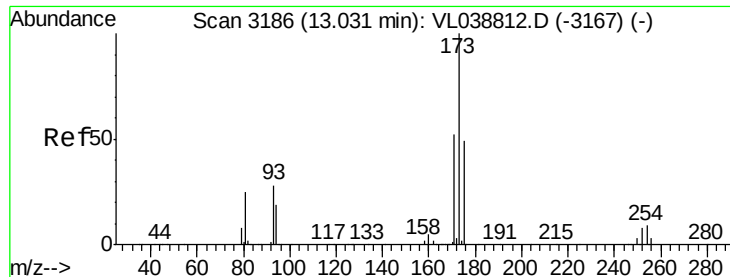
Tgt Ion: 129 Resp: 1903235

Ion	Ratio	Lower	Upper
129	100		
127	79.5	38.9	116.6



Abundance Ion 129.00 (128.70 to 129.70): V
 800000 Ion 127.00 (126.70 to 127.70): V
 600000
 400000
 200000
 0





#49

Bromoform

Concen: 9.676 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 11 Apr 2022 10:22

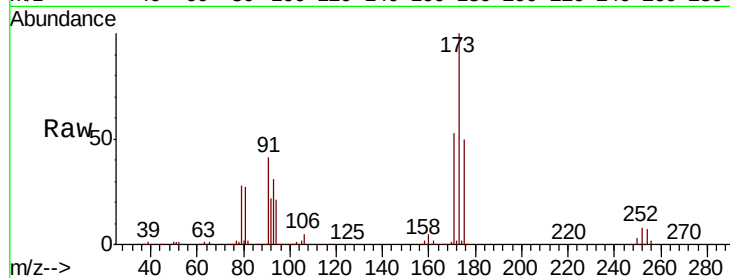
Tot Ion:173 Resp: 1508548

Ion Ratio Lower Upper

173 100

175 49.8 39.9 59.9

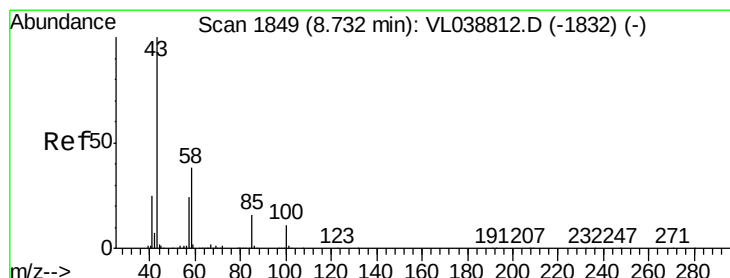
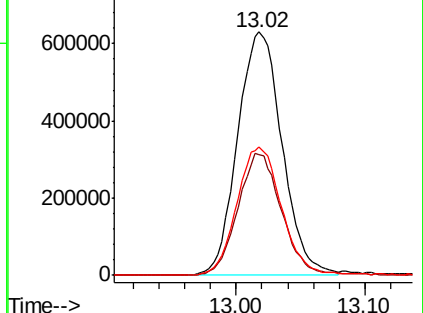
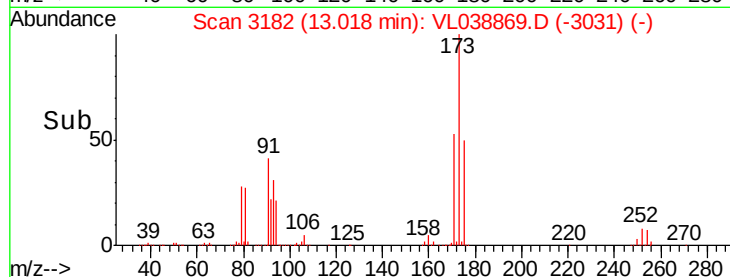
171 53.5 43.4 65.0



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: 9.270 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VL038869.D

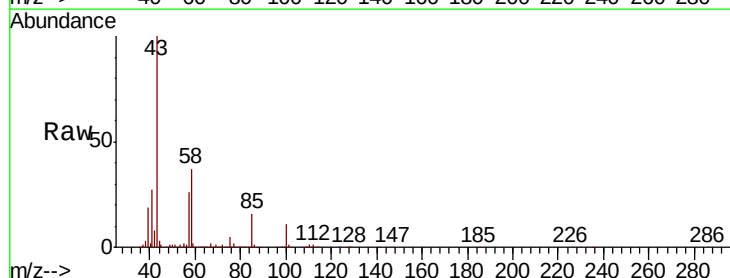
Acq: 11 Apr 2022 10:22

Tgt Ion: 43 Resp: 2902322

Ion Ratio Lower Upper

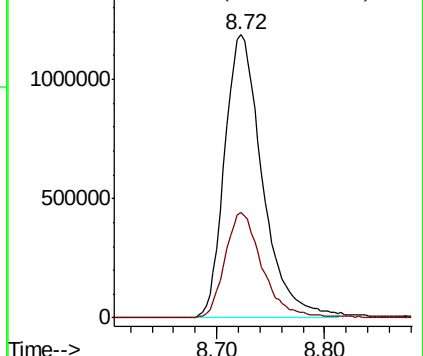
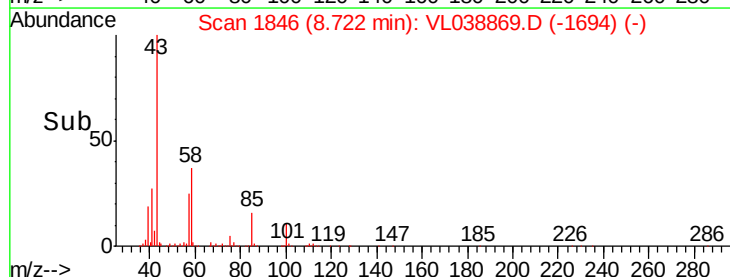
43 100

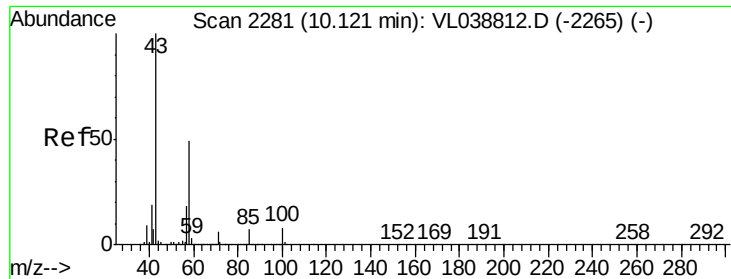
58 37.3 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

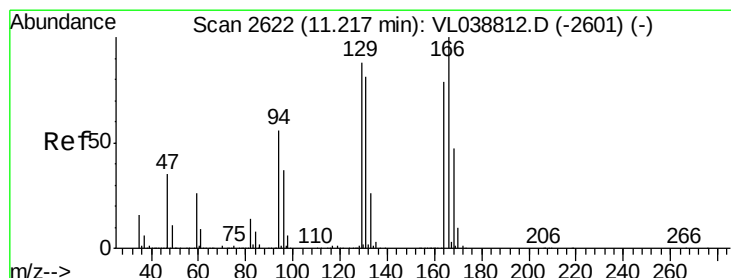
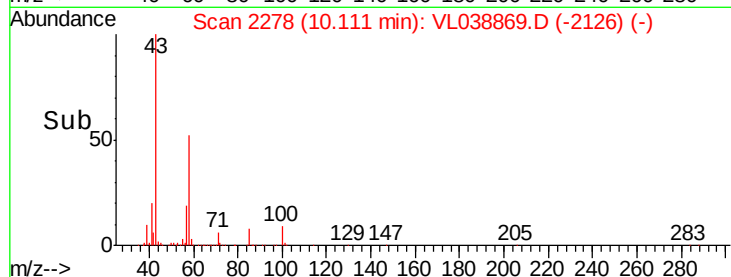
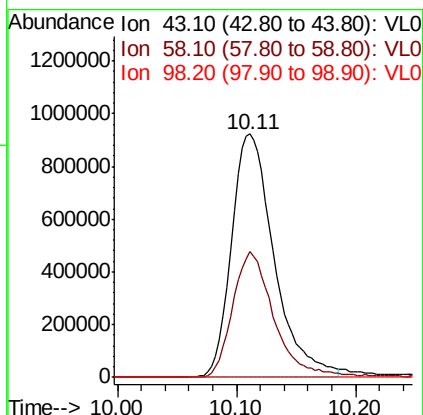
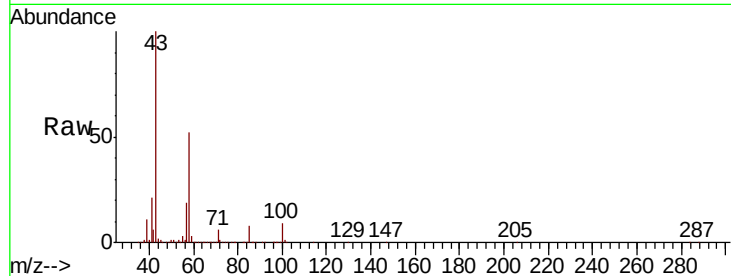
Ion 58.10 (57.80 to 58.80): VL0





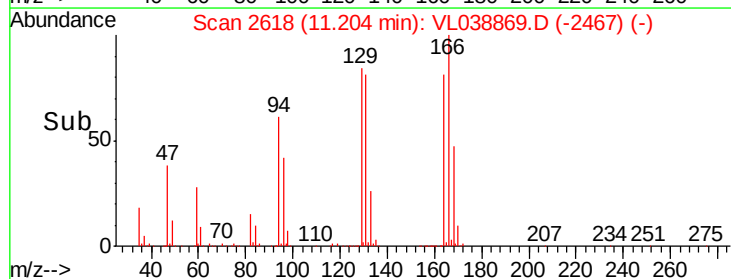
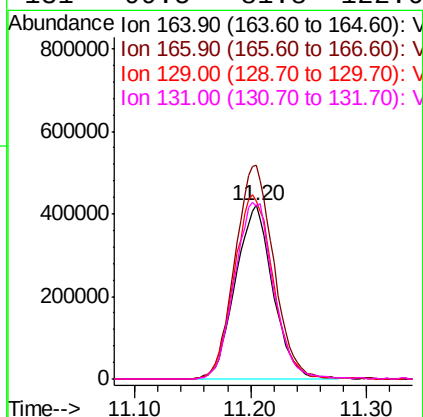
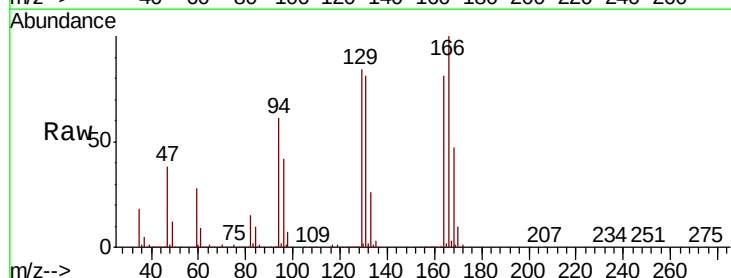
#51
2-Hexanone
Concen: 9.667 ppbv
RT: 10.11
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 11 Apr 2022 10:22

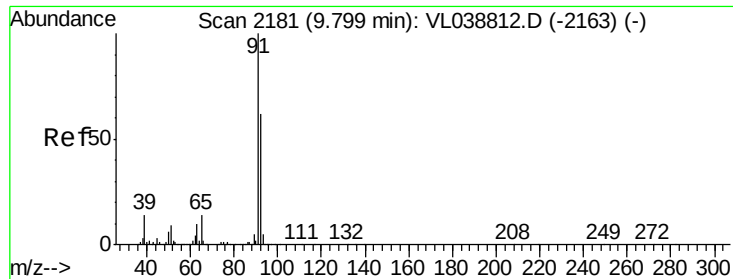
Tot Ion: 43 Resp: 2280504
Ion Ratio Lower Upper
43 100
58 51.4 41.4 62.0
98 0.1 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.404 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. -0.01 min
Lab File: VL038869.D
Acq: 11 Apr 2022 10:22

Tgt Ion: 164 Resp: 940698
Ion Ratio Lower Upper
164 100
166 122.7 101.0 151.6
129 102.5 88.7 133.1
131 99.5 81.8 122.6





#53

Toluene

Concen: 8.876 ppbv

RT: 9.79 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

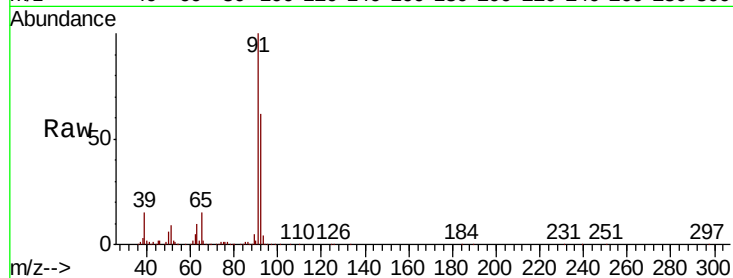
Acq: 11 Apr 2022 10:22

Tot Ion: 91 Resp: 3283464

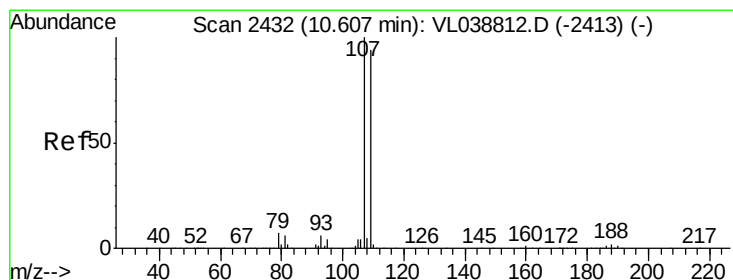
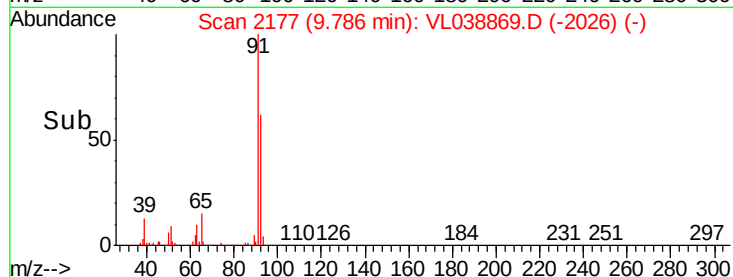
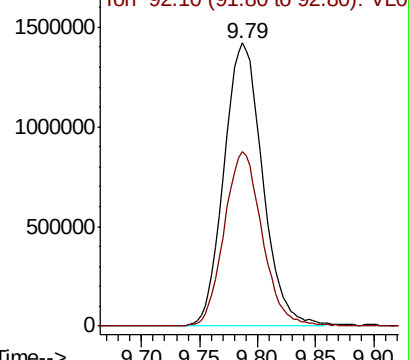
Ion Ratio Lower Upper

91 100

92 61.2 49.2 73.8



Abundance Ion 91.10 (90.80 to 91.80): VL0



#54

1,2-Dibromoethane

Concen: 9.468 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.02 min

Lab File: VL038869.D

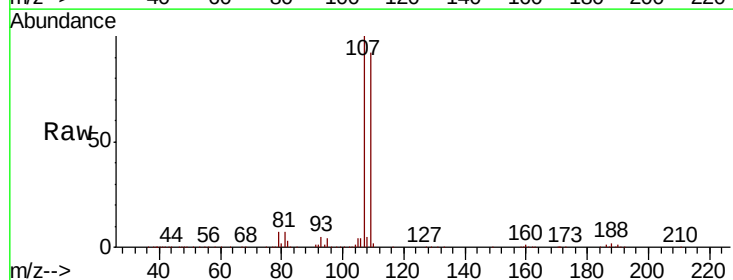
Acq: 11 Apr 2022 10:22

Tgt Ion: 107 Resp: 1651796

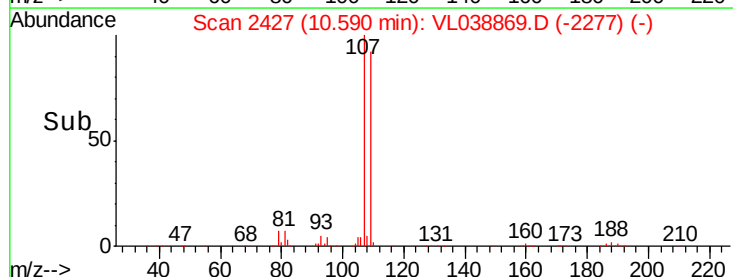
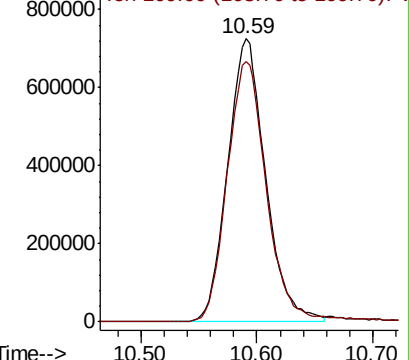
Ion Ratio Lower Upper

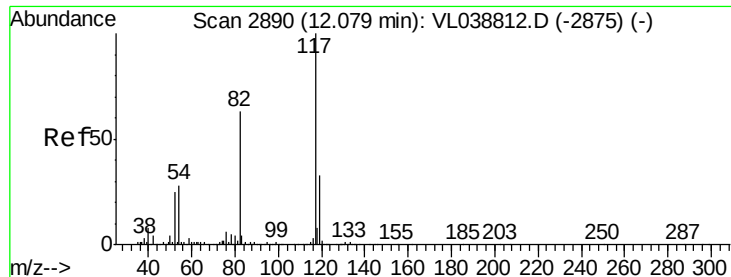
107 100

109 92.0 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

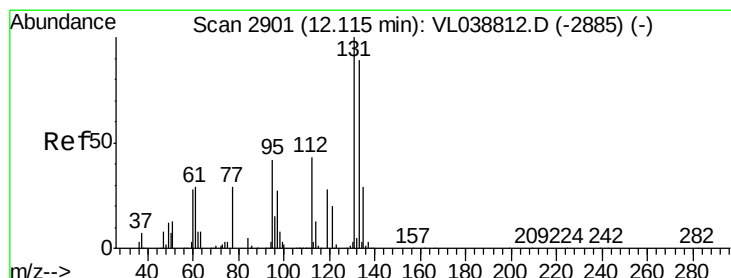
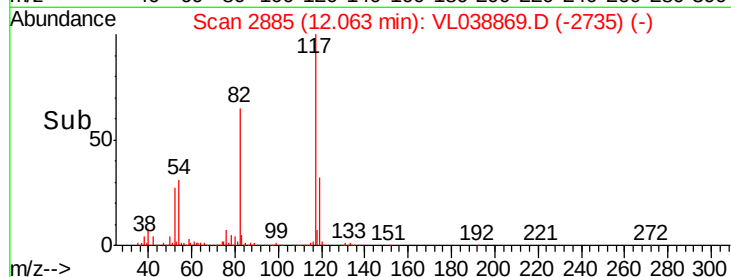
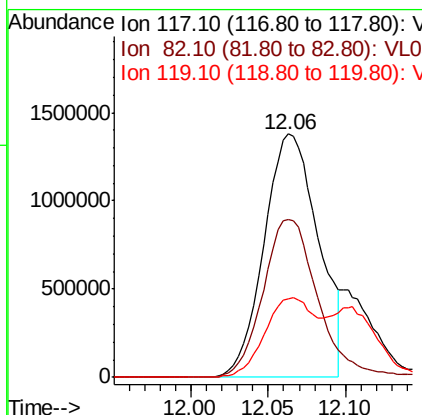
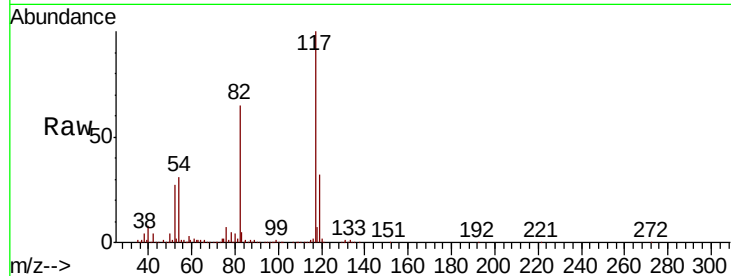




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06
Instrument: MSVOA_1
Delta R.T.:
Client Sample Id:
Lab File: VSTDCCC010
Acq: 11 Apr 2022 10:22

Tot Ion:117 Resp: 3368622

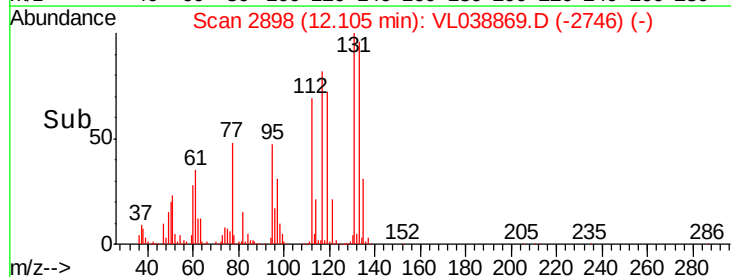
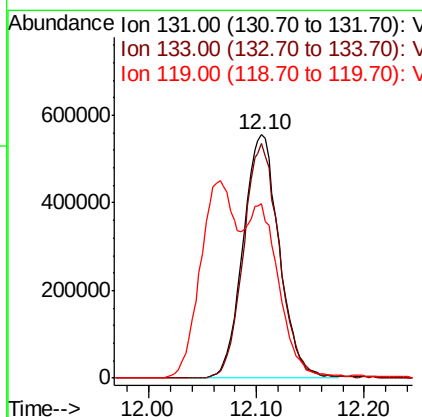
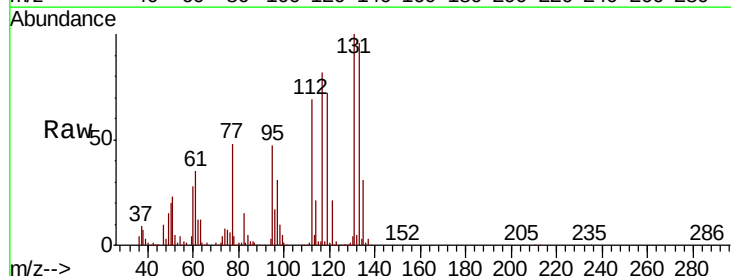
Ion	Ratio	Lower	Upper
117	100		
82	66.5	53.0	79.6
119	31.1	24.9	37.3

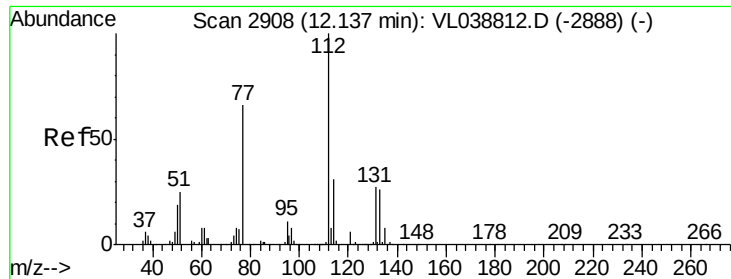


#56
1,1,1,2-Tetrachloroethane
Concen: 8.778 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL038869.D
Acq: 11 Apr 2022 10:22

Tgt Ion:131 Resp: 1295807

Ion	Ratio	Lower	Upper
131	100		
133	96.3	78.2	117.4
119	147.6	58.6	87.8#





#57

Chlorobenzene

Concen: 8.443 ppbv

RT: 12.12

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 11 Apr 2022 10:22

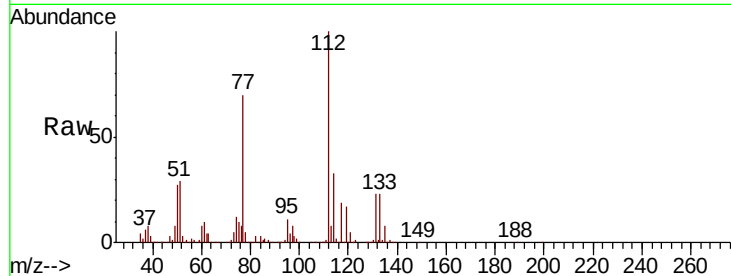
Tot Ion: 112 Resp: 2329281

Ion Ratio Lower Upper

112 100

77 69.1 52.4 78.6

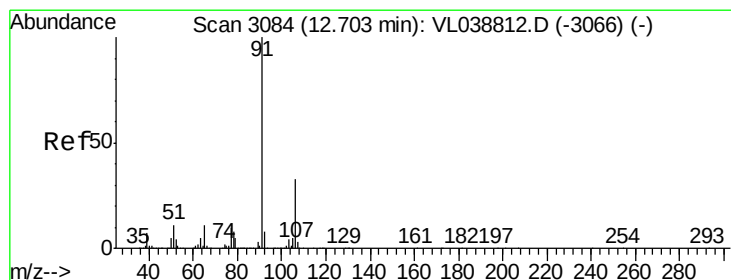
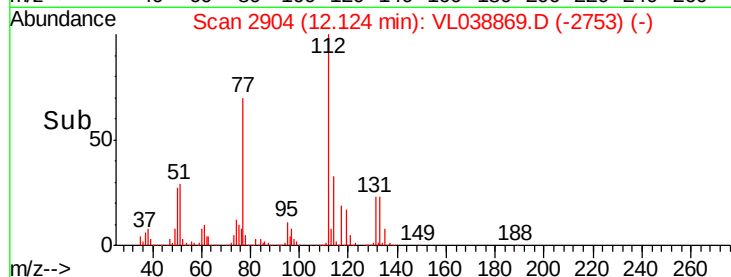
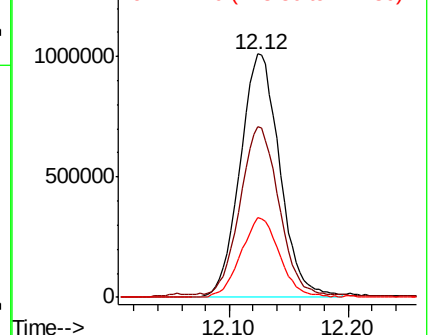
114 32.9 28.1 34.3



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: 8.829 ppbv

RT: 12.69 min Scan# 3079

Delta R.T. -0.02 min

Lab File: VL038869.D

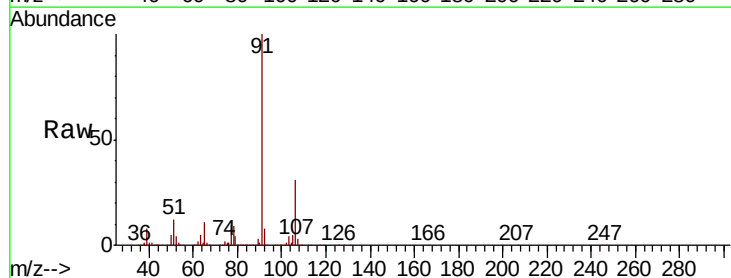
Acq: 11 Apr 2022 10:22

Tgt Ion: 91 Resp: 4443966

Ion Ratio Lower Upper

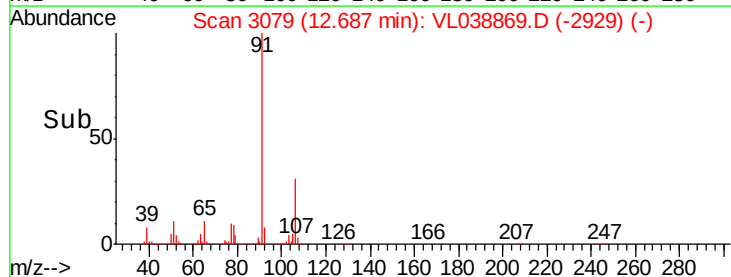
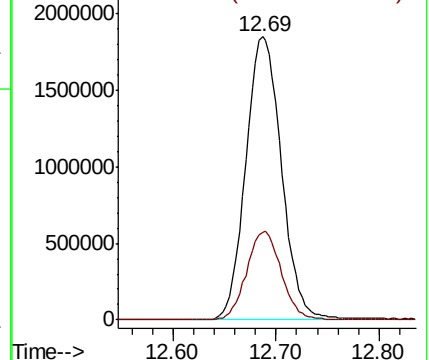
91 100

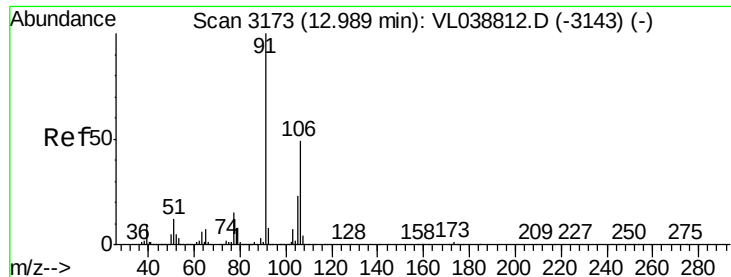
106 31.0 26.7 40.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

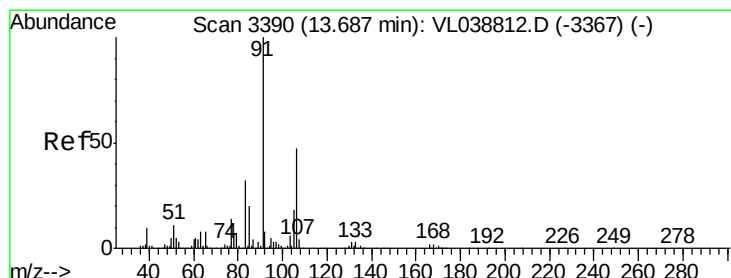
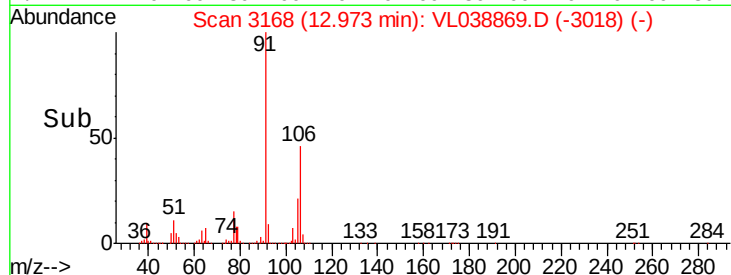
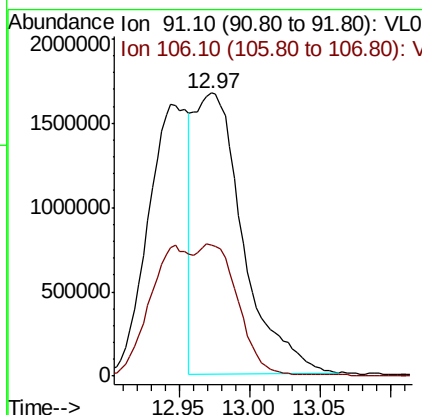
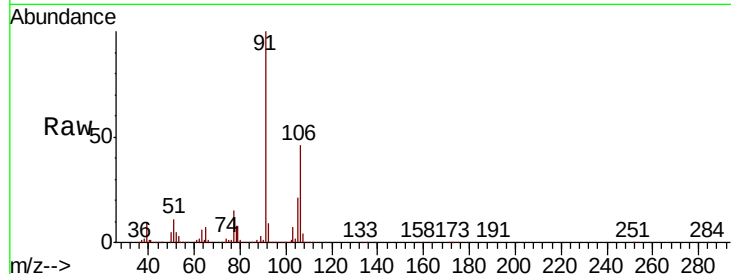
Ion 106.10 (105.80 to 106.80): V





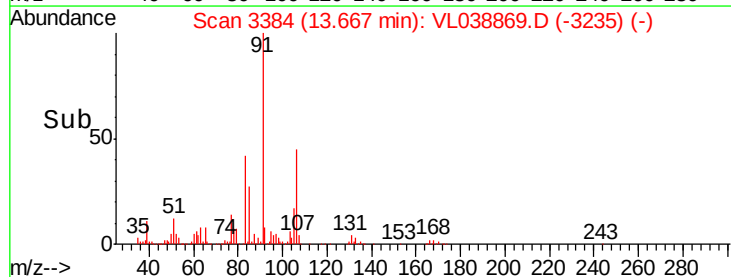
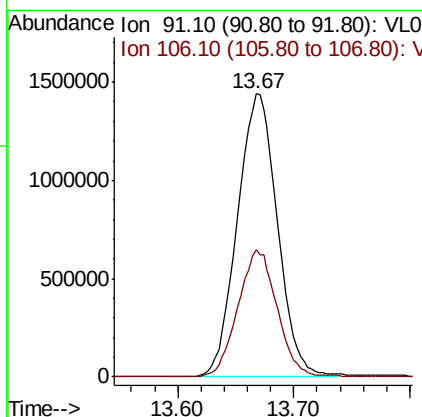
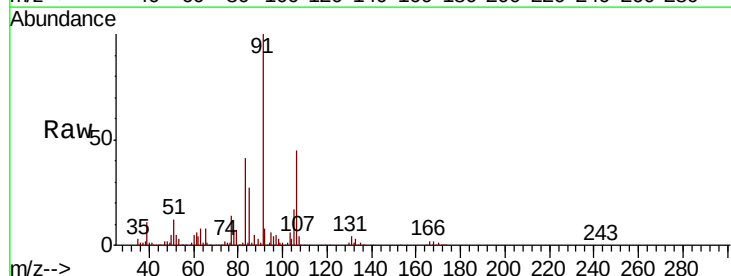
#59
m/p-Xylene
Concen: 9.480 ppbv
RT: 12.97
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 11 Apr 2022 10:22

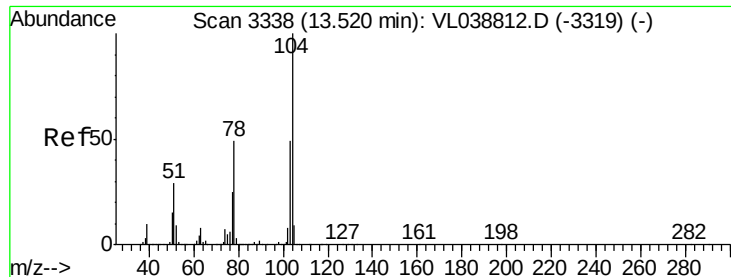
Tot Ion: 91 Resp: 4009031
Ion Ratio Lower Upper
91 100
106 79.7 37.1 55.7#



#60
o-Xylene
Concen: 8.710 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.02 min
Lab File: VL038869.D
Acq: 11 Apr 2022 10:22

Tgt Ion: 91 Resp: 3446750
Ion Ratio Lower Upper
91 100
106 44.2 23.8 71.4





#61

Stvrene

Concen: 8.898 ppbv

RT: 13.51

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 11 Apr 2022 10:22

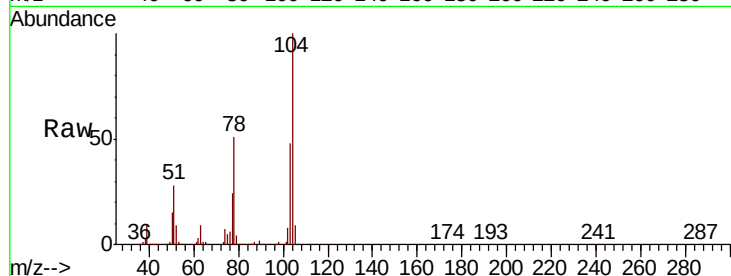
Tot Ion:104 Resp: 2145189

Ion Ratio Lower Upper

104 100

78 53.2 40.5 60.7

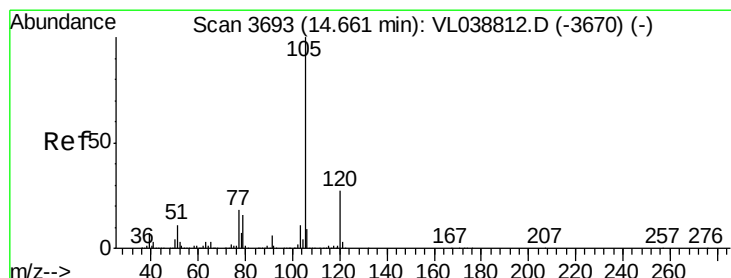
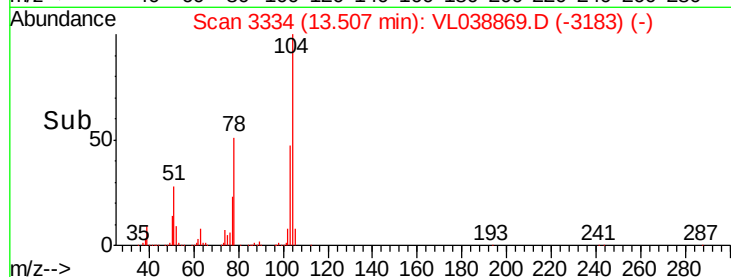
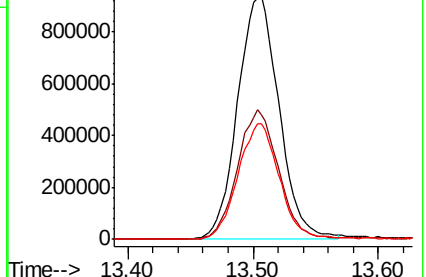
103 47.8 39.0 58.4



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: 8.431 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. -0.02 min

Lab File: VL038869.D

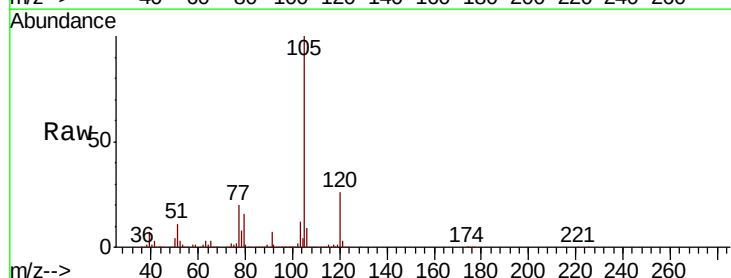
Acq: 11 Apr 2022 10:22

Tgt Ion:105 Resp: 5007912

Ion Ratio Lower Upper

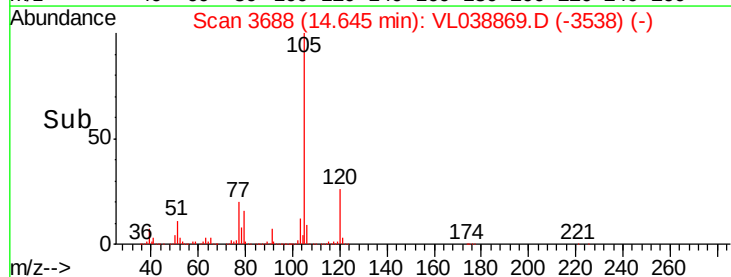
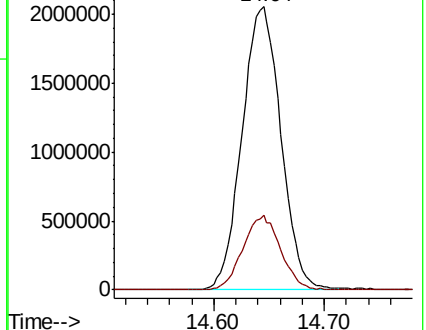
105 100

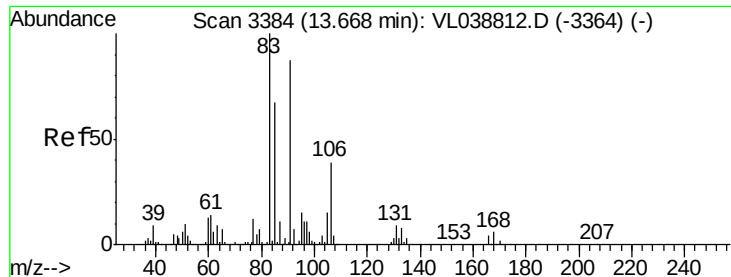
120 25.7 21.8 32.8



Abundance Ion 105.10 (104.80 to 105.80): V

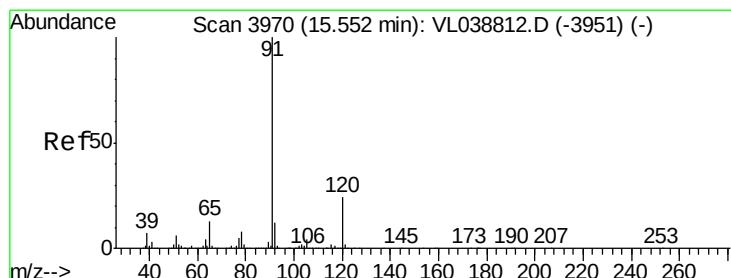
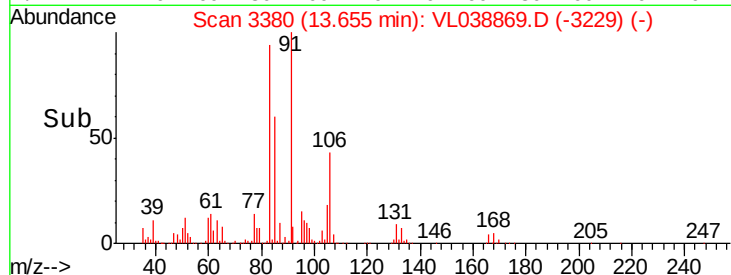
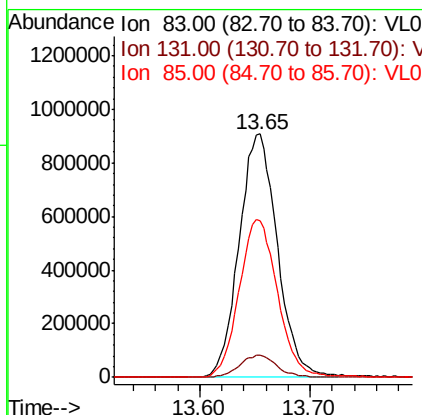
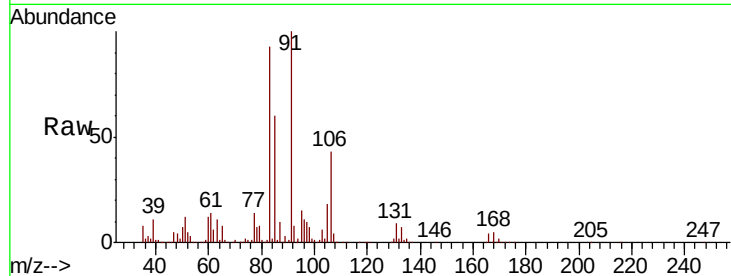
Ion 120.20 (119.90 to 120.90): V





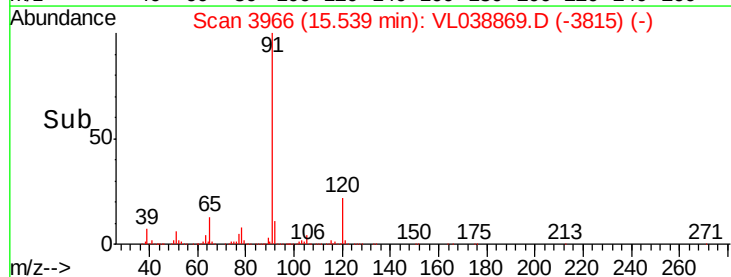
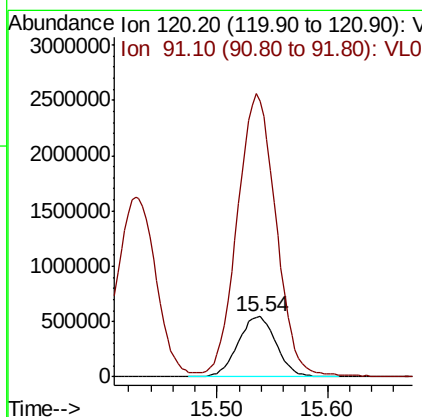
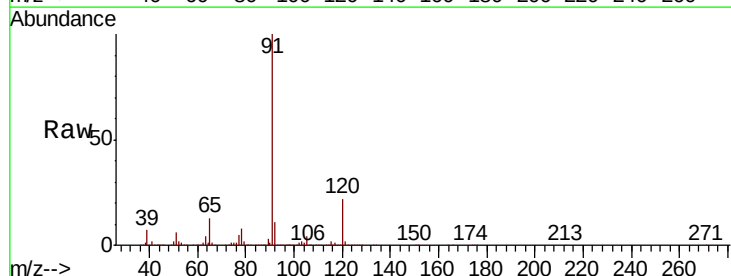
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.705 ppbv
 RT: 13.65 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 10:22

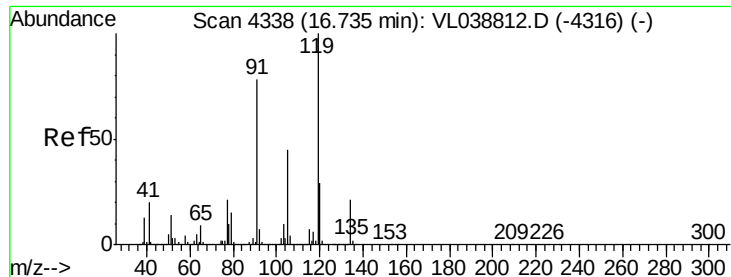
Tot Ion: 83 Resp: 2181837
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.6 13.8
 85 65.6 33.0 99.0



#64
 n-propylbenzene
 Concen: 8.455 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. -0.01 min
 Lab File: VL038869.D
 Acq: 11 Apr 2022 10:22

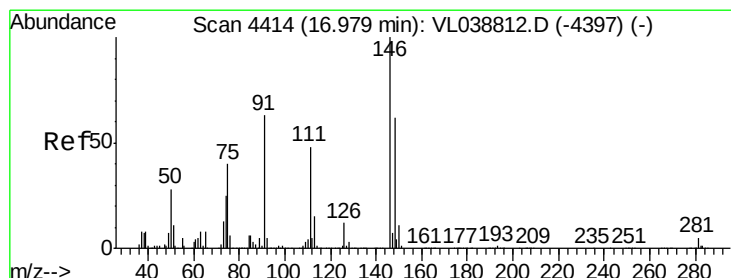
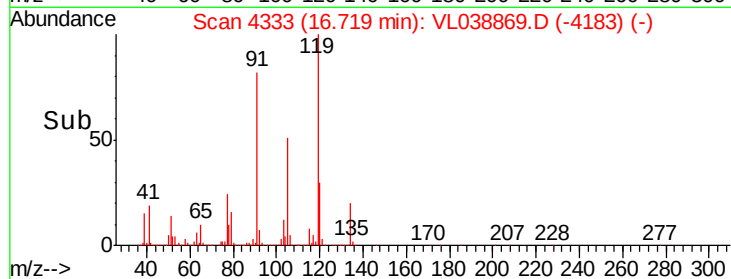
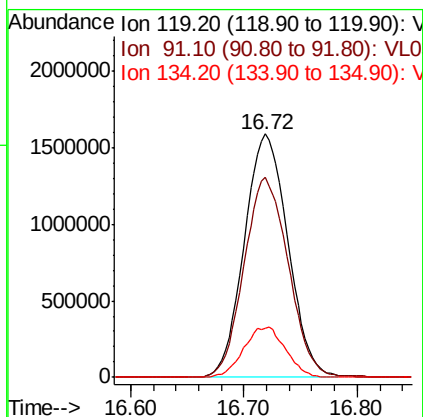
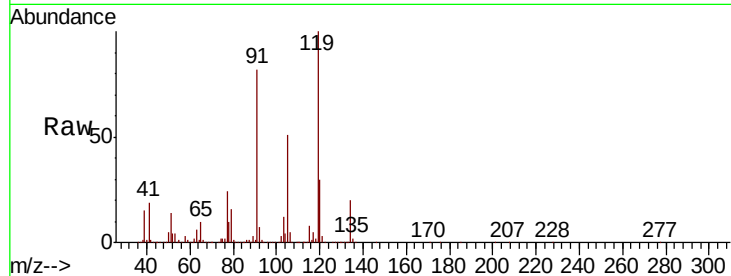
Tgt Ion: 120 Resp: 1303907
 Ion Ratio Lower Upper
 120 100
 91 479.2 360.6 540.8





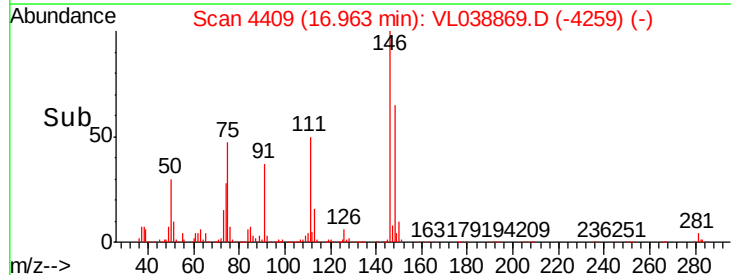
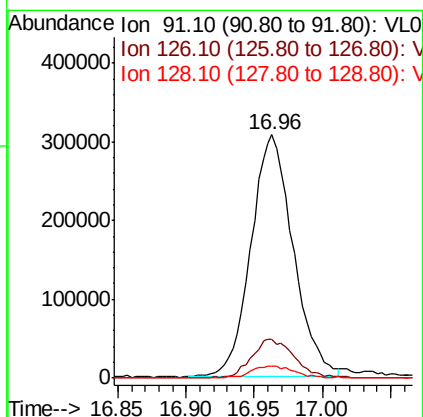
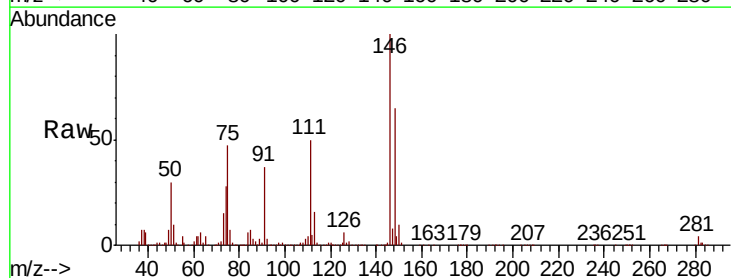
#65
 tert-Butylbenzene
 Concen: 8.067 ppbv
 RT: 16.72
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 10:22

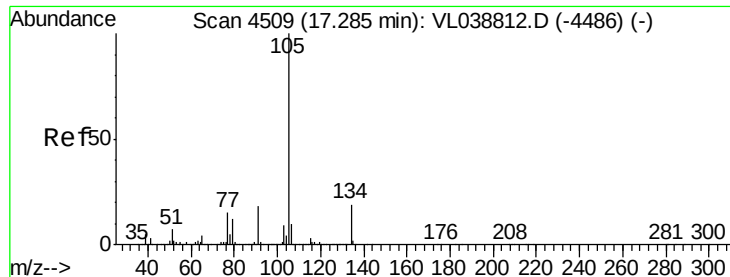
Tot Ion: 119 Resp: 4251119
 Ion Ratio Lower Upper
 119 100
 91 84.1 62.8 94.2
 134 19.9 16.2 24.4



#66
 Benzyl Chloride
 Concen: 6.145 ppbv
 RT: 16.96 min Scan# 4409
 Delta R.T. -0.02 min
 Lab File: VL038869.D
 Acq: 11 Apr 2022 10:22

Tgt Ion: 91 Resp: 659218
 Ion Ratio Lower Upper
 91 100
 126 16.8 15.4 23.0
 128 5.3 4.7 7.1





#67

sec-Butylbenzene

Concen: 8.400 ppbv

RT: 17.27

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

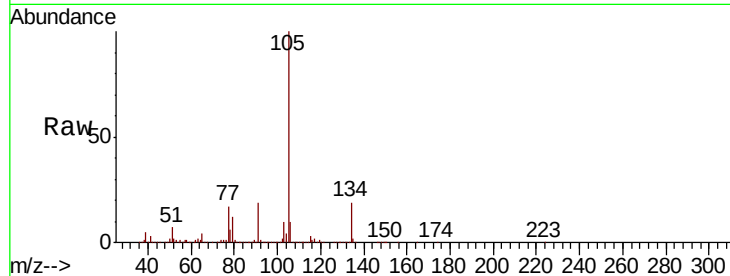
Acq: 11 Apr 2022 10:22

Tot Ion: 105 Resp: 6211587

Ion Ratio Lower Upper

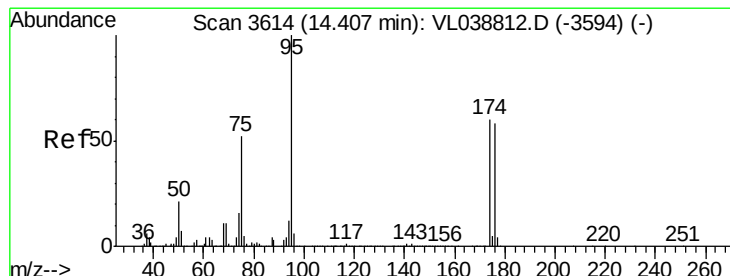
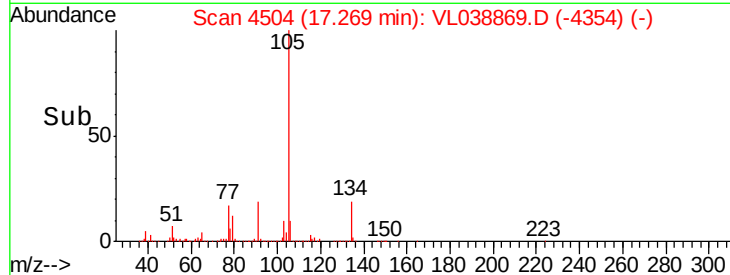
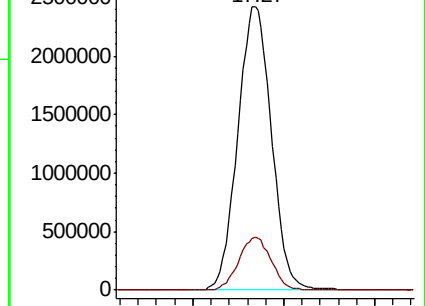
105 100

134 18.2 15.1 22.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.690 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.02 min

Lab File: VL038869.D

Acq: 11 Apr 2022 10:22

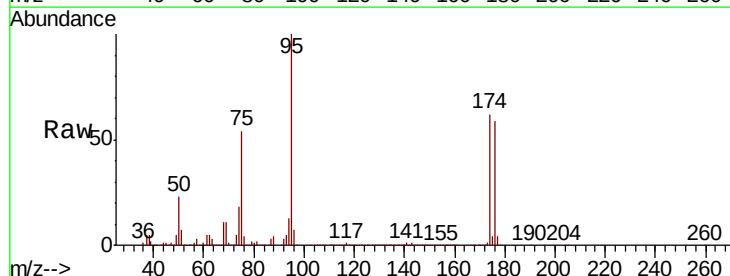
Tgt Ion: 95 Resp: 2731510

Ion Ratio Lower Upper

95 100

174 60.7 52.0 78.0

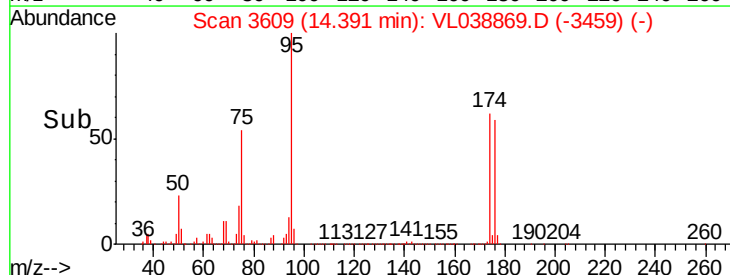
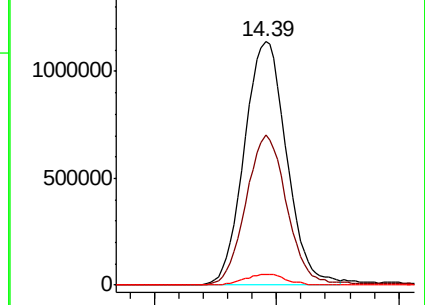
175 4.6 4.0 6.0

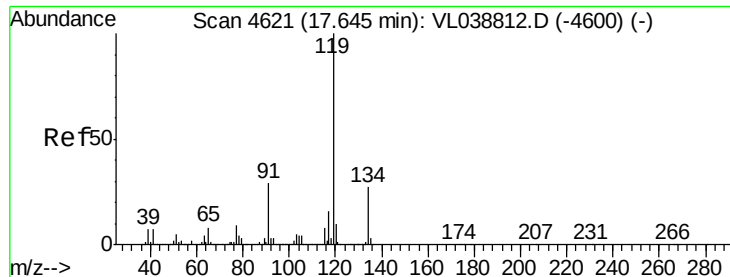


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

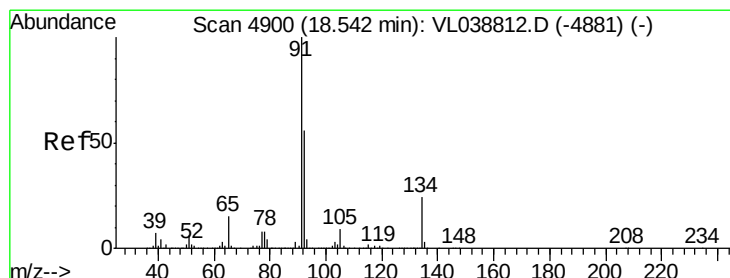
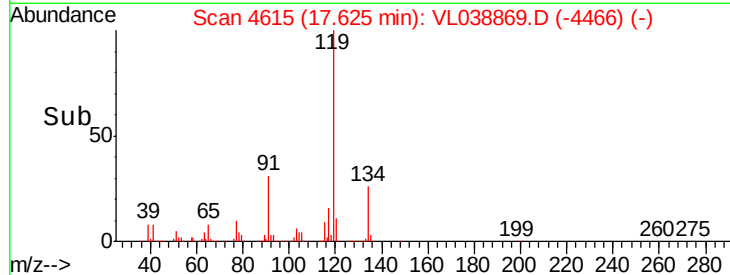
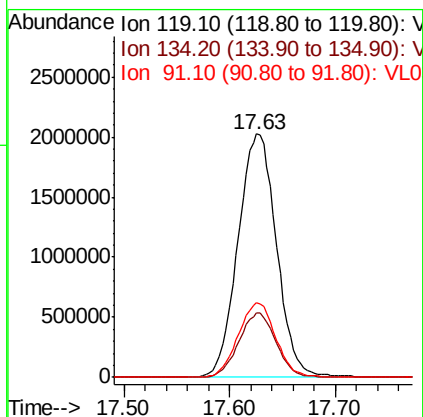
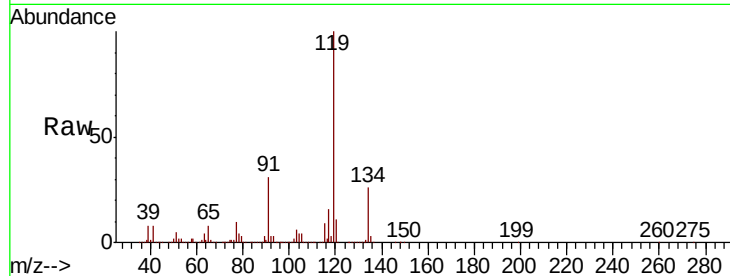
Ion 175.00 (174.70 to 175.70): V





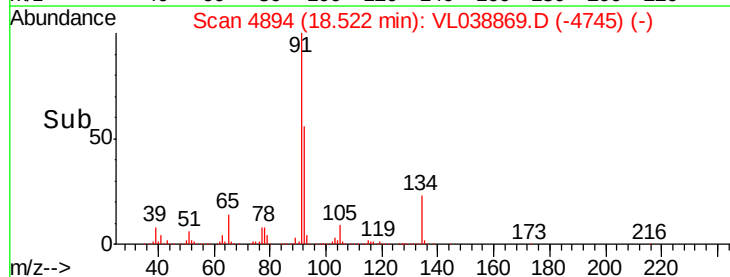
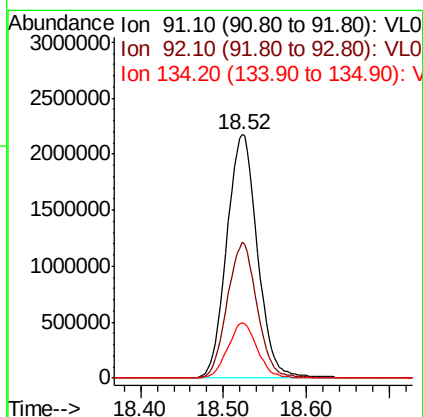
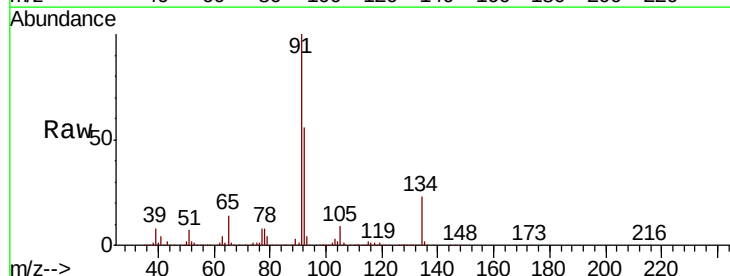
#69
 p-Isopropyltoluene
 Concen: 8.450 ppbv
 RT: 17.63
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 11 Apr 2022 10:22

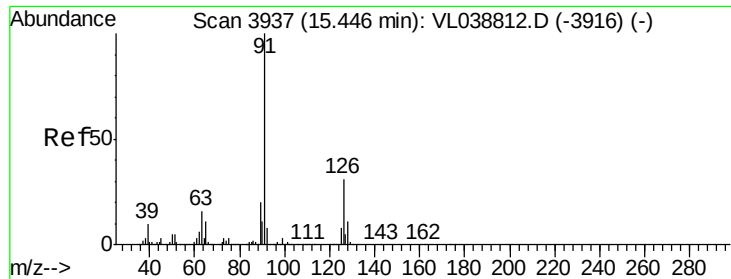
Tot Ion: 119 Resp: 5130687
 Ion Ratio Lower Upper
 119 100
 134 25.8 20.8 31.2
 91 29.8 22.6 34.0



#70
 n-Butylbenzene
 Concen: 9.126 ppbv
 RT: 18.52 min Scan# 4894
 Delta R.T. -0.02 min
 Lab File: VL038869.D
 Acq: 11 Apr 2022 10:22

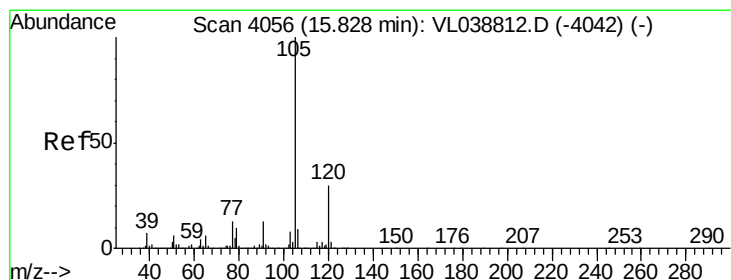
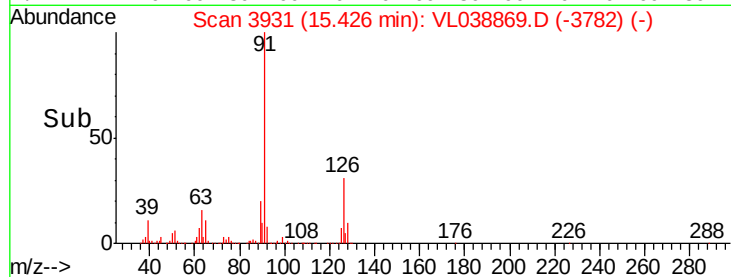
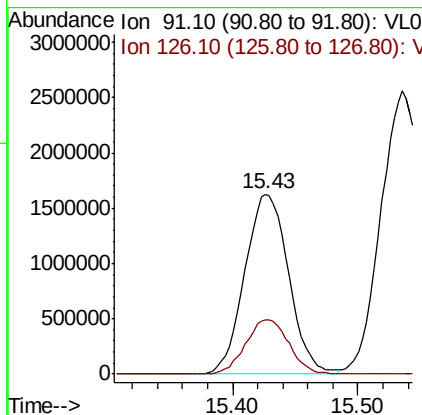
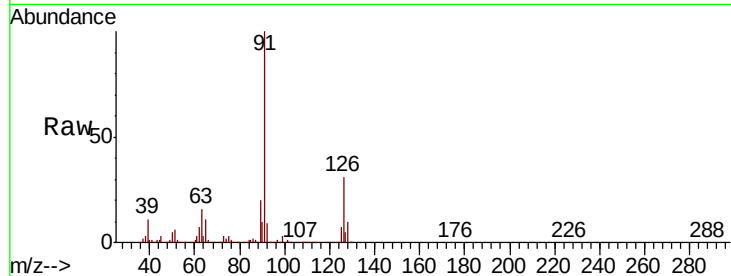
Tgt Ion: 91 Resp: 5581932
 Ion Ratio Lower Upper
 91 100
 92 54.5 44.6 66.8
 134 22.0 19.2 28.8





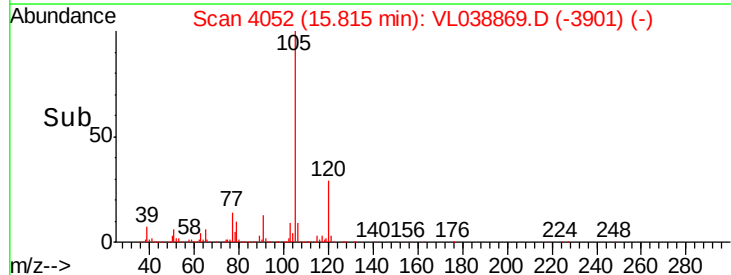
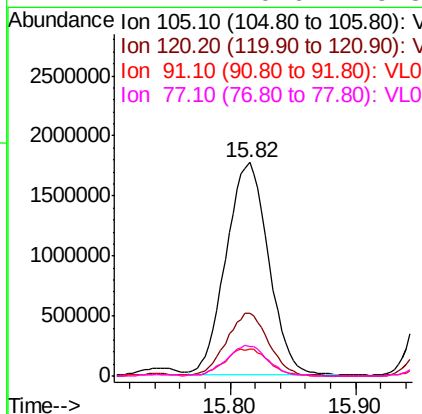
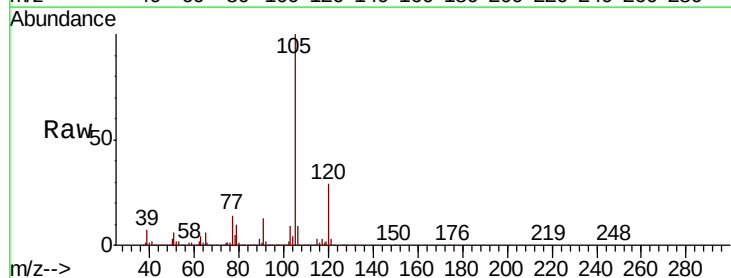
#71
 2-Chlorotoluene
 Concen: 8.856 ppbv
 RT: 15.43
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 10:22

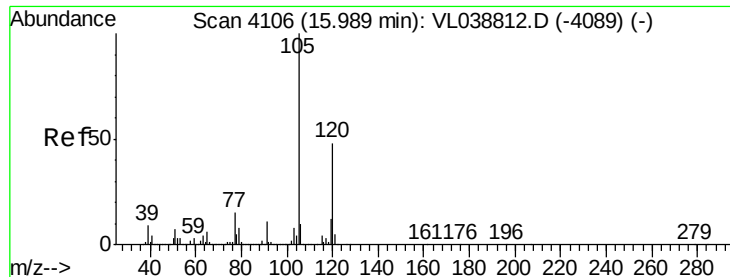
Tot Ion: 91 Resp: 3955425
 Ion Ratio Lower Upper
 91 100
 126 30.3 13.0 51.8



#72
 4-Ethyltoluene
 Concen: 8.811 ppbv
 RT: 15.82 min Scan# 4052
 Delta R.T. -0.01 min
 Lab File: VL038869.D
 Acq: 11 Apr 2022 10:22

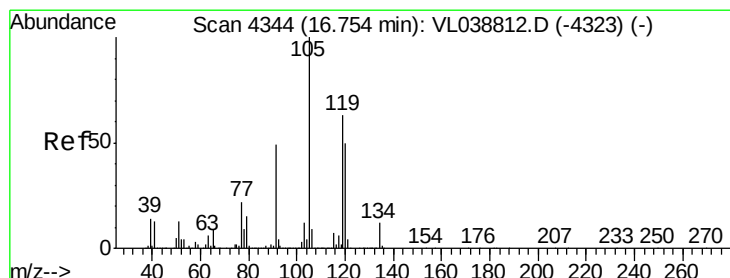
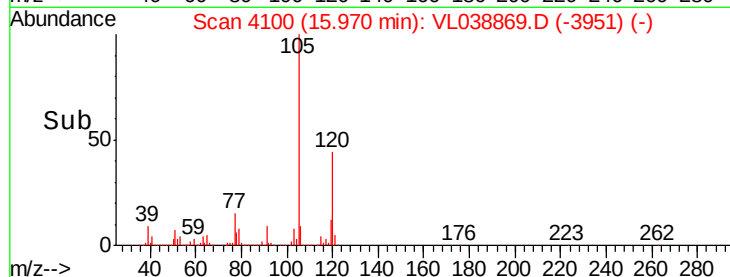
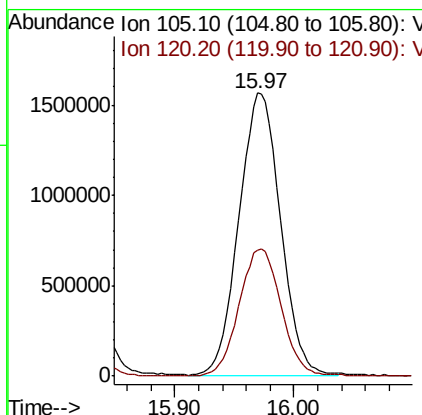
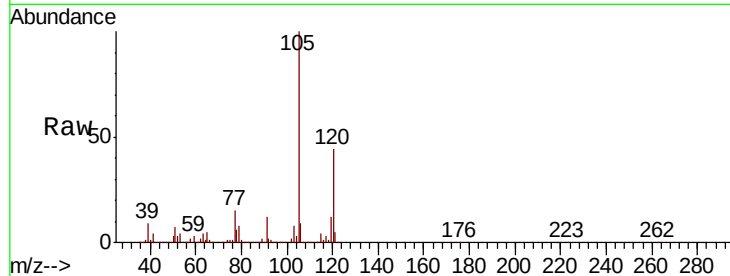
Tgt Ion:105 Resp: 4163245
 Ion Ratio Lower Upper
 105 100
 120 29.5 24.3 36.5
 91 12.9 9.4 14.2
 77 14.2 10.6 15.8





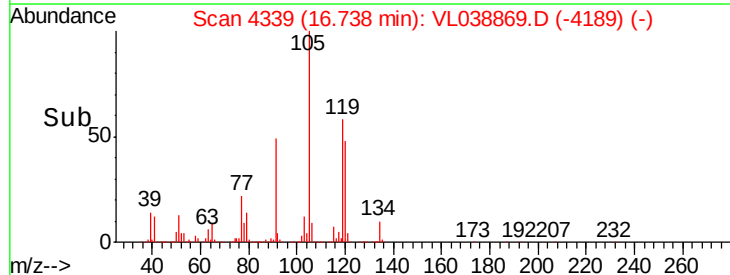
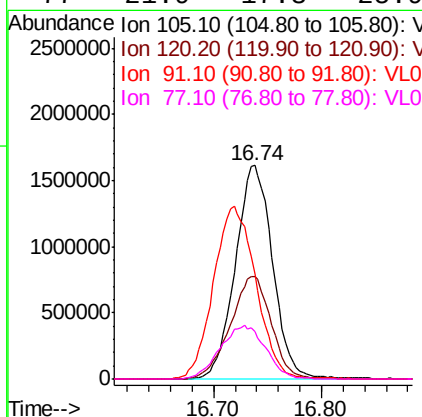
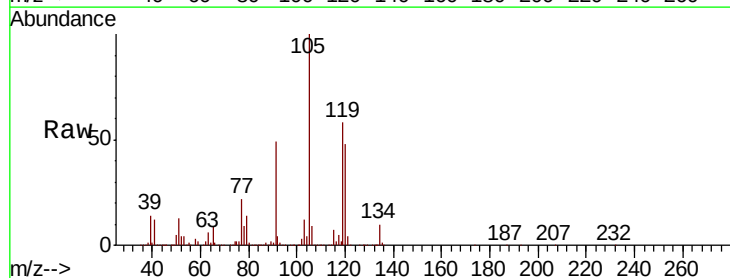
#73
 1,3,5-Trimethylbenzene
 Concen: 8.864 ppbv
 RT: 15.97 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 11 Apr 2022 10:22

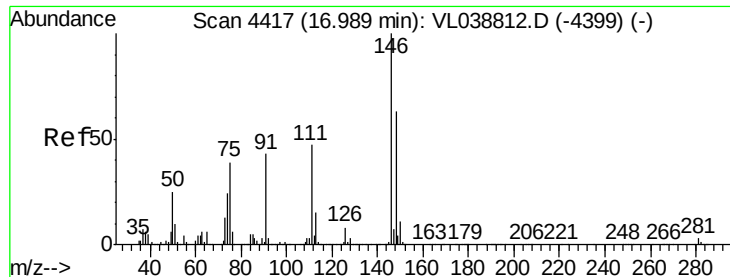
Tot Ion:105 Resp: 3762419
 Ion Ratio Lower Upper
 105 100
 120 44.4 38.7 58.1



#74
 1,2,4-Trimethylbenzene
 Concen: 8.613 ppbv
 RT: 16.74 min Scan# 4339
 Delta R.T. -0.02 min
 Lab File: VL038869.D
 Acq: 11 Apr 2022 10:22

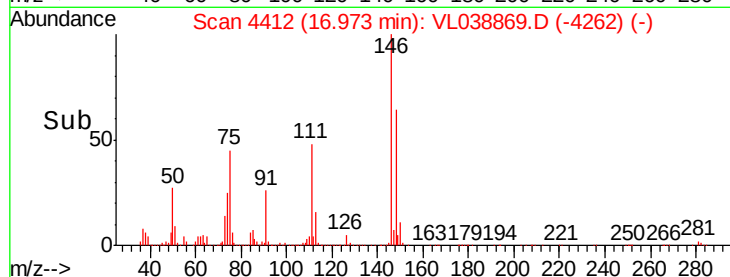
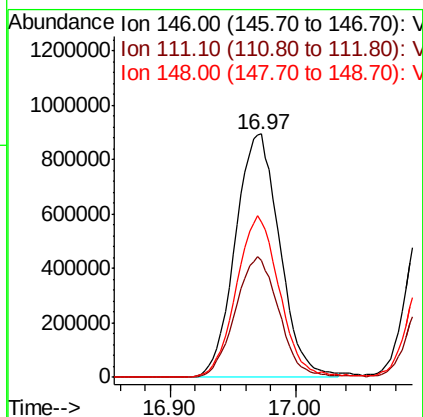
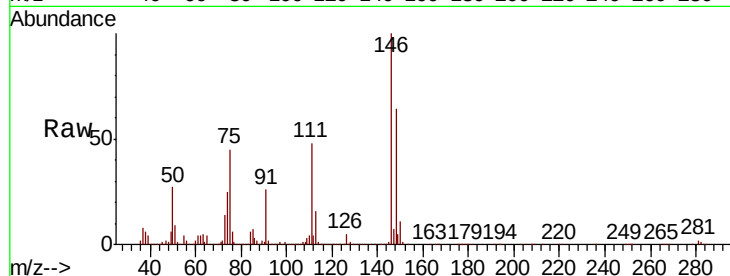
Tgt Ion:105 Resp: 3865062
 Ion Ratio Lower Upper
 105 100
 120 47.5 39.8 59.8
 91 48.7 39.4 59.0
 77 21.9 17.3 25.9





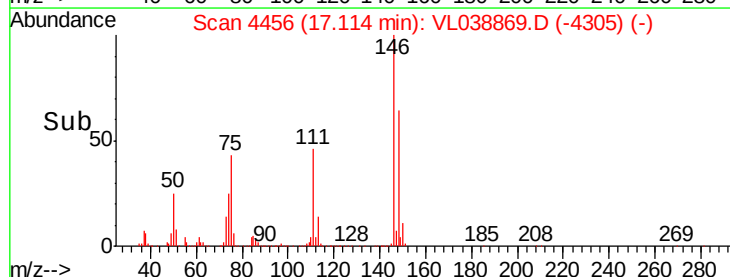
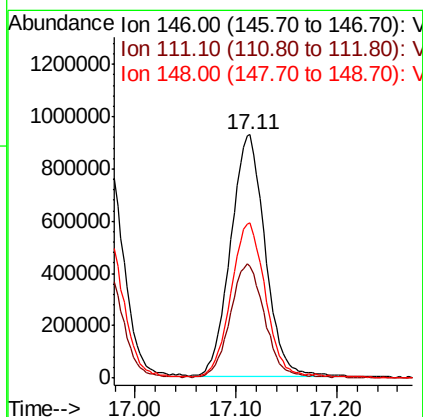
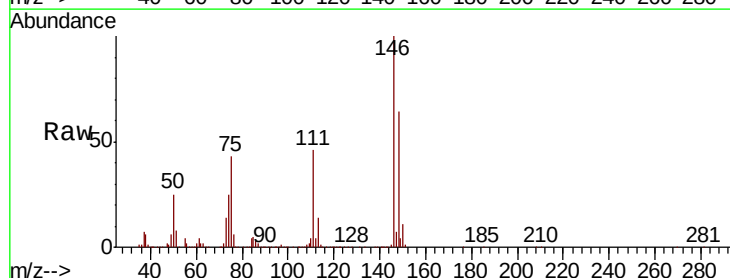
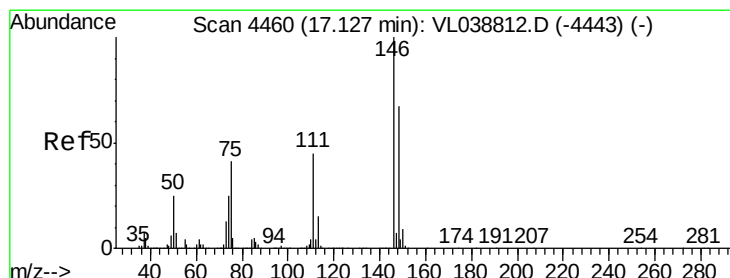
#75
 1,3-Dichlorobenzene
 Concen: 8.398 ppbv
 RT: 16.97
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 11 Apr 2022 10:22

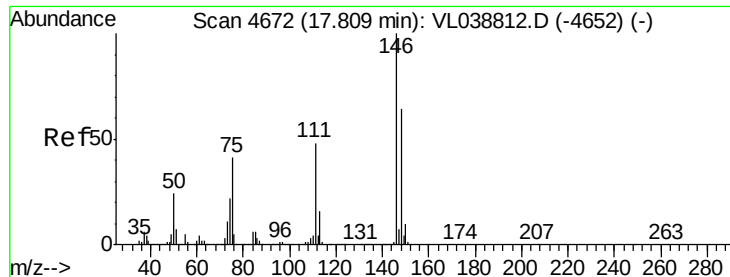
Tot Ion:146 Resp: 2187957
 Ion Ratio Lower Upper
 146 100
 111 49.0 23.8 71.2
 148 65.1 31.8 95.4



#76
 1,4-Dichlorobenzene
 Concen: 8.483 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.01 min
 Lab File: VL038869.D
 Acq: 11 Apr 2022 10:22

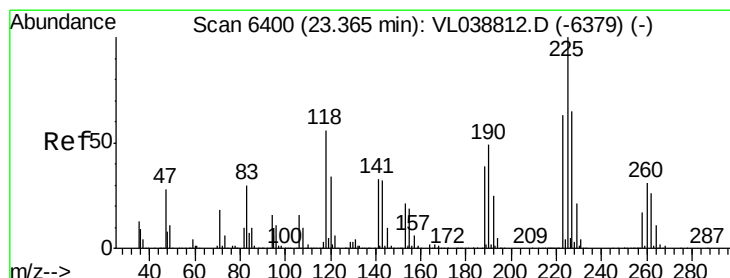
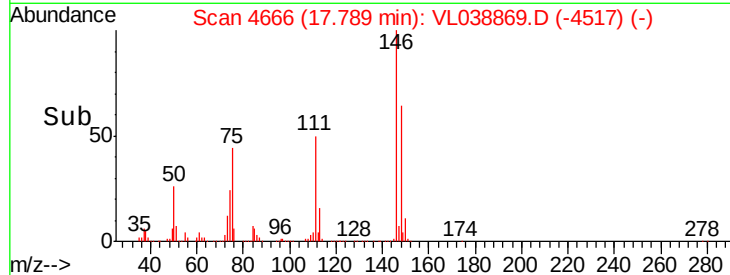
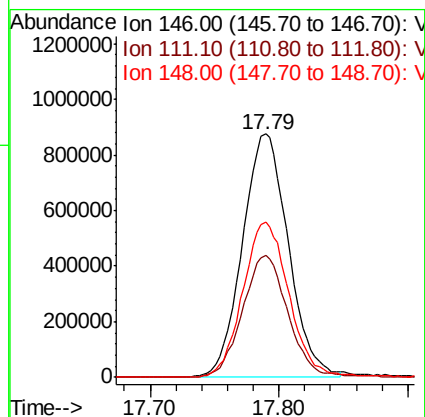
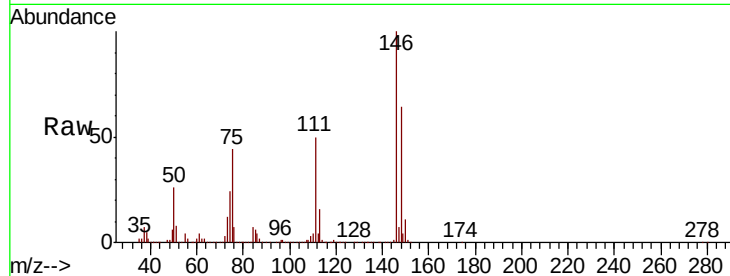
Tgt Ion:146 Resp: 2177171
 Ion Ratio Lower Upper
 146 100
 111 48.2 23.6 70.8
 148 65.9 33.6 100.6





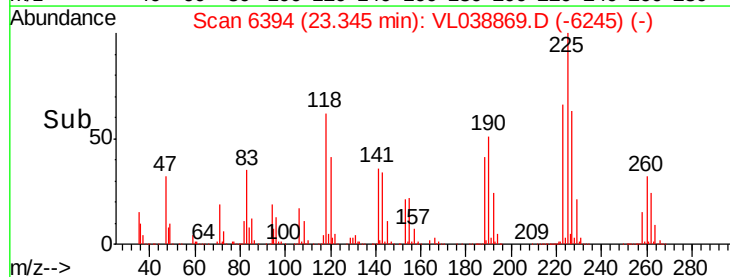
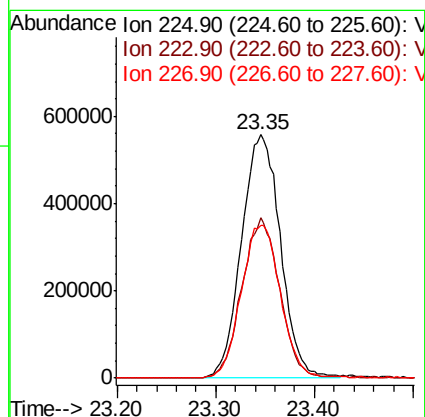
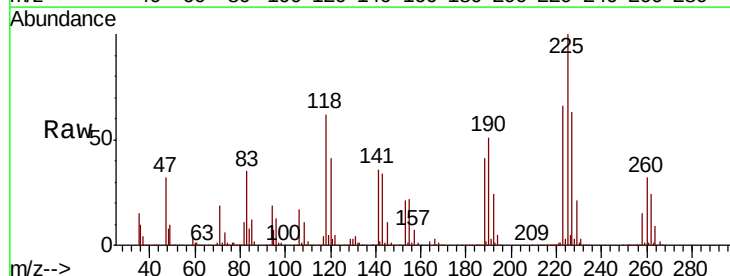
#77
 1,2-Dichlorobenzene
 Concen: 8.414 ppbv
 RT: 17.79
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 11 Apr 2022 10:22

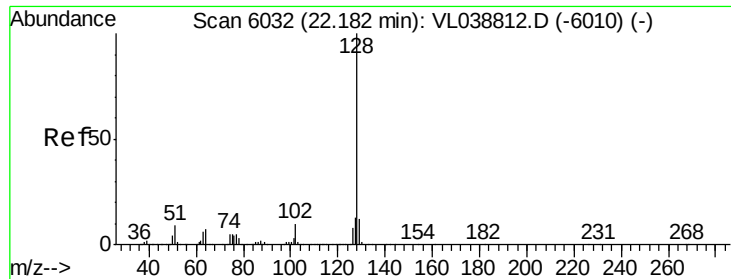
Tot Ion:146 Resp: 2160857
 Ion Ratio Lower Upper
 146 100
 111 50.0 24.8 74.3
 148 64.4 31.9 95.7



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.527 ppbv
 RT: 23.35 min Scan# 6394
 Delta R.T. -0.02 min
 Lab File: VL038869.D
 Acq: 11 Apr 2022 10:22

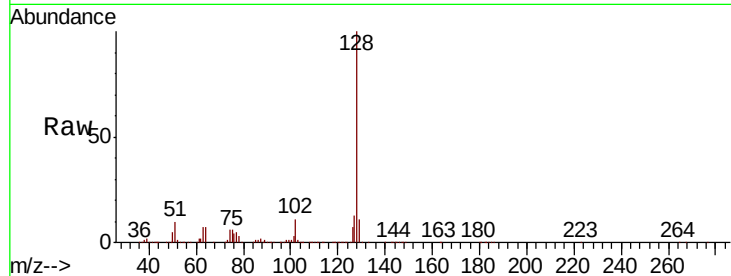
Tgt Ion:225 Resp: 1527363
 Ion Ratio Lower Upper
 225 100
 223 64.6 51.6 77.4
 227 63.8 52.3 78.5



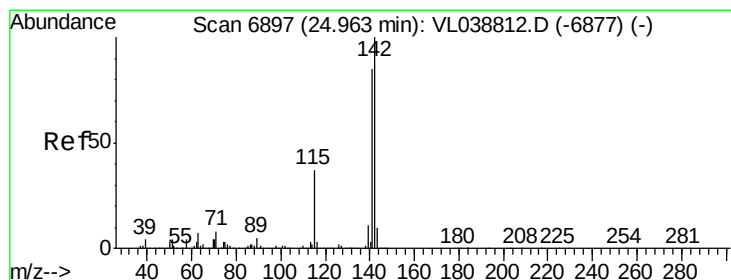
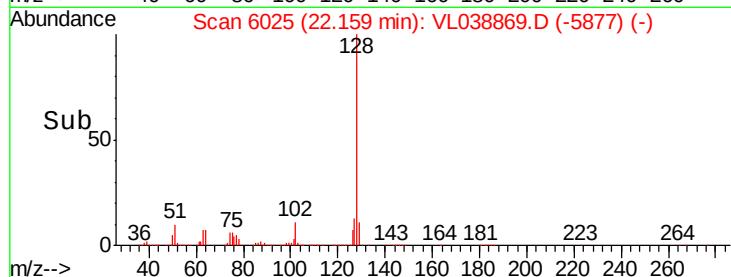
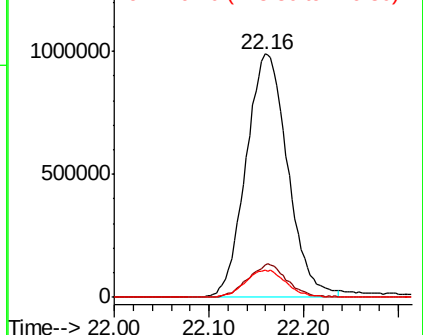


#79
Naphthalene
Concen: 9.031 ppbv
RT: 22.16 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 11 Apr 2022 10:22

Tot Ion:128 Resp: 3031336
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 11.2 9.4 14.0

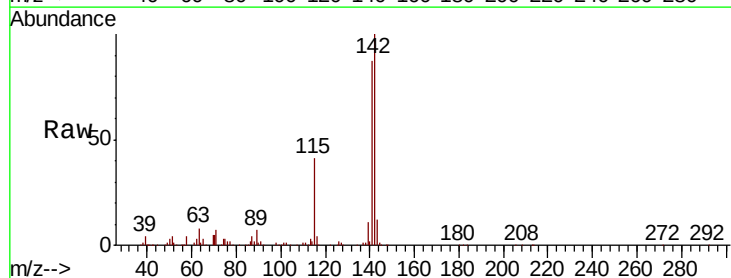


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

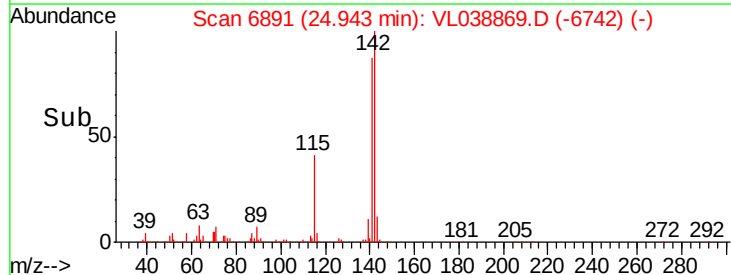
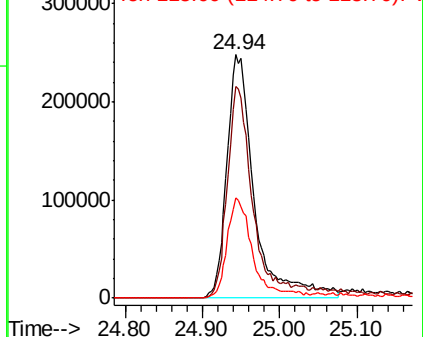


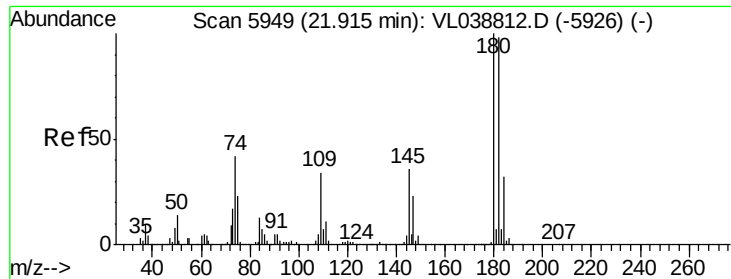
#80
Naphthalene, 2-methyl-
Concen: 7.375 ppbv
RT: 24.94 min Scan# 6891
Delta R.T. -0.02 min
Lab File: VL038869.D
Acq: 11 Apr 2022 10:22

Tgt Ion:142 Resp: 610012
Ion Ratio Lower Upper
142 100
141 86.5 68.8 103.2
115 41.4 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: 3.979 ppbv
 RT: 21.89
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 11 Apr 2022 10:22

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	79.4	119.0#
184	0.0	25.0	37.6#

