

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041322\
 Data File : VL038914.D
 Acq On : 14 Apr 2022 9:42
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Apr 25 08:31:02 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	1091105	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2709691	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	3189771	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2073749	8.57	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	1378378	8.906	ppbv	100
3) Chlorodifluoromethane	3.00	51	1355750	10.181	ppbv	93
4) Chloromethane	3.15	50	688631	9.987	ppbv	94
5) Vinyl Chloride	3.27	62	659278	10.348	ppbv	97
6) Bromomethane	3.48	94	333689	10.825	ppbv	94
7) Chloroethane	3.57	64	228131	10.738	ppbv	93
8) Dichlorotetrafluoroethane	3.20	85	1578196	10.916	ppbv	94
9) Propene	3.02	41	569074	8.077	ppbv	93
10) Heptane	8.14	43	1464321	8.252	ppbv	96
11) Trichlorofluoromethane	3.96	101	1499058	12.054	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1075284	11.288	ppbv	92
13) Ethanol	3.62	45	37742	8.815	ppbv #	100
14) Bromoethene	3.75	108	453791	10.832	ppbv	97
15) Acetone	3.86	43	1174436	10.811	ppbv	97
16) 1,3-Butadiene	3.34	39	611446	9.846	ppbv	98
17) tert-Butyl alcohol	4.29	59	889282	9.129	ppbv	99
18) 1,1-Dichloroethene	4.30	96	476078	10.963	ppbv	93
19) Isopropyl Alcohol	3.97	45	616134	11.097	ppbv #	100
20) Methylene Chloride	4.36	84	388553	9.863	ppbv	94
21) Allyl Chloride	4.43	41	761048	9.357	ppbv	95
22) trans-1,2-Dichloroethene	4.90	96	501476	11.406	ppbv	97
23) Vinyl Acetate	5.09	43	1071943	10.133	ppbv	98
24) 1,1-Dichloroethane	5.02	63	990825	10.364	ppbv	99
25) Ethyl Acetate	5.69	43	2570739	9.327	ppbv	99
26) Hexane	5.70	57	1121139	8.936	ppbv	99
27) Carbon Disulfide	4.56	76	1217150	10.579	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	922657	9.522	ppbv	98
29) Chloroform	5.77	83	1856088	10.574	ppbv	98
30) Cyclohexane	7.15	84	916646	8.290	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1185698	10.278	ppbv	92
32) 1,1,1-Trichloroethane	6.53	97	1852906	10.477	ppbv	97
34) 2-Butanone	5.26	43	1439440	13.444	ppbv	98
35) Carbon Tetrachloride	7.03	117	1928376	11.871	ppbv	98
36) Benzene	6.91	78	2270011	9.209	ppbv	95
37) 1,2-Dichloroethane	6.32	62	1522162	13.506	ppbv #	93
38) Trichloroethene	7.85	130	919235	9.088	ppbv	94
39) 1,2-Dichloropropane	7.63	63	902154	9.568	ppbv	91
40) 1,4-Dioxane	7.85	88	236104	7.374	ppbv #	20
41) Tetrahydrofuran	6.06	42	926464	9.111	ppbv	98
42) Bromodichloromethane	7.81	83	2088091	11.733	ppbv	98
43) Methyl Methacrylate	8.02	69	952631	10.090	ppbv	95

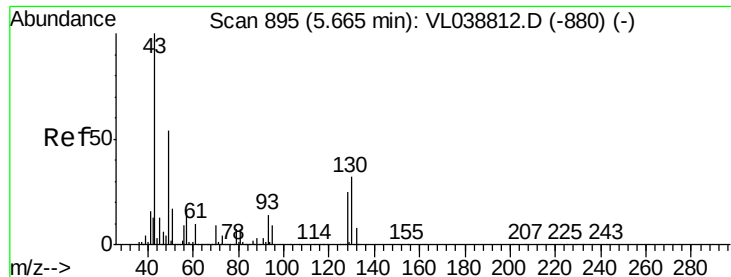
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041322\
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 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

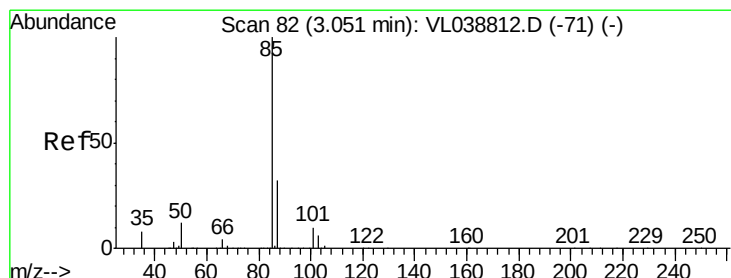
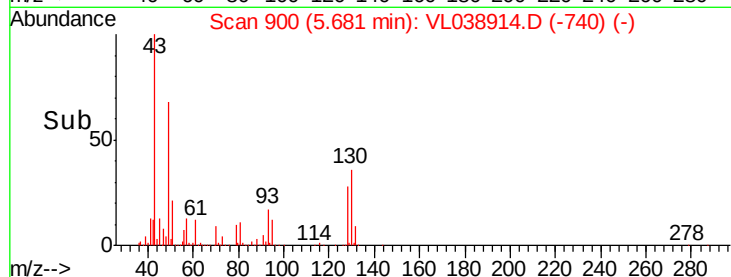
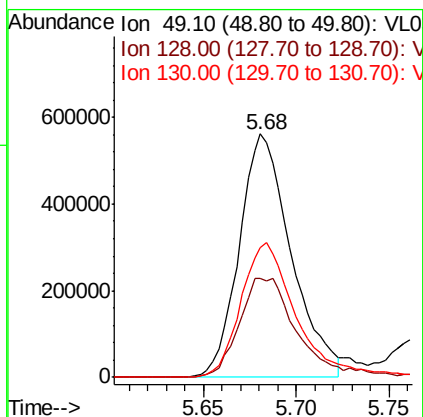
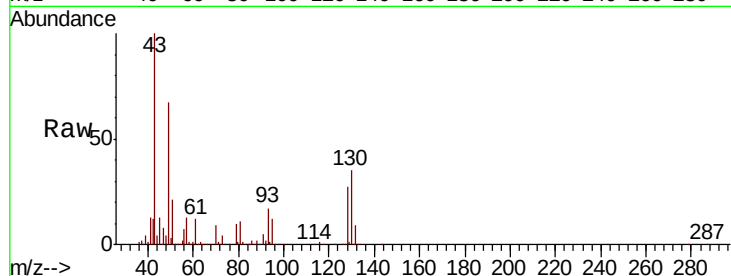
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3911030	9.371	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	1057117	10.708	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1318534	10.130	ppbv	95
47) 1,1,2-Trichloroethane	9.49	97	924536	9.570	ppbv	98
48) Dibromochloromethane	10.32	129	1659295	10.958	ppbv	99
49) Bromoform	13.06	173	1306368	10.893	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2372037	9.849	ppbv	99
51) 2-Hexanone	10.14	43	1808513	9.966	ppbv #	99
52) Tetrachloroethene	11.24	164	783188	9.096	ppbv	99
53) Toluene	9.82	91	2610246	9.173	ppbv	98
54) 1,2-Dibromoethane	10.63	107	1370457	10.212	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	1096491	7.844	ppbv #	91
57) Chlorobenzene	12.16	112	1843184	7.055	ppbv	94
58) Ethyl Benzene	12.73	91	3578984	7.509	ppbv	94
59) m/p-Xylene	13.01	91	2910140	7.267	ppbv #	33
60) o-Xylene	13.71	91	2904778	7.752	ppbv	94
61) Styrene	13.54	104	1658135	7.263	ppbv	95
62) Isopropylbenzene	14.68	105	4062237	7.223	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	1793332	7.556	ppbv	100
64) n-propylbenzene	15.58	120	1026114	7.026	ppbv	70
65) tert-Butylbenzene	16.76	119	3614019	7.243	ppbv	91
66) Benzyl Chloride	17.00	91	529326	5.210	ppbv #	93
67) sec-Butylbenzene	17.31	105	5200196	7.427	ppbv	97
69) p-Isopropyltoluene	17.66	119	4304849	7.488	ppbv	96
70) n-Butylbenzene	18.56	91	4777124	8.248	ppbv	96
71) 2-Chlorotoluene	15.47	91	3169902	7.495	ppbv	96
72) 4-Ethyltoluene	15.85	105	3551982	7.938	ppbv	96
73) 1,3,5-Trimethylbenzene	16.01	105	3098029	7.708	ppbv	94
74) 1,2,4-Trimethylbenzene	16.78	105	3321295	7.817	ppbv	92
75) 1,3-Dichlorobenzene	17.01	146	1851457	7.505	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	1784368	7.343	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	1748889	7.191	ppbv	97
78) Hexachloro-1,3-Butadiene	23.38	225	706281	3.676	ppbv #	32
79) Naphthalene	22.21	128	2588860	8.145	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	716939	9.153	ppbv	94
81) 1,2,4-Trichlorobenzene	21.94	180	742874	3.994	ppbv #	18

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



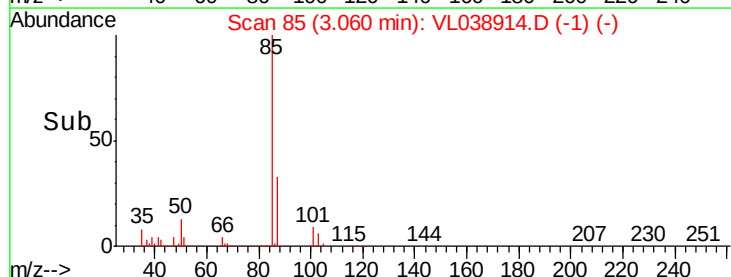
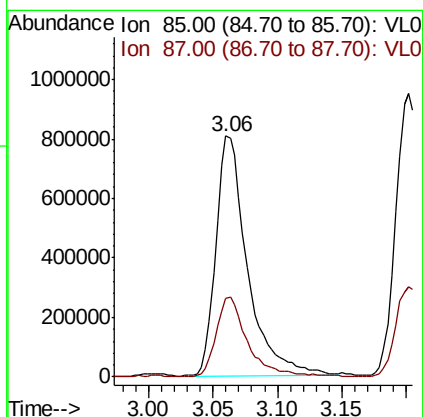
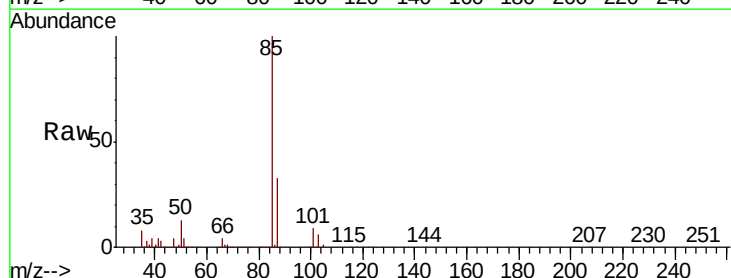
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 14 Apr 2022 9:42

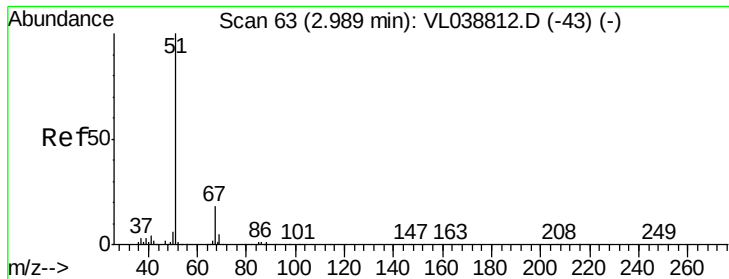
Tot Ion: 49 Resp: 1091105
 Ion Ratio Lower Upper
 49 100
 128 46.9 24.1 72.3
 130 59.9 30.9 92.8



#2
 Dichlorodifluoromethane
 Concen: 8.906 ppbv
 RT: 3.06 min Scan# 85
 Delta R.T. 0.01 min
 Lab File: VL038914.D
 Acq: 14 Apr 2022 9:42

Tgt Ion: 85 Resp: 1378378
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.9 38.9





#3

Chlorodifluoromethane

Concen: 10.181 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

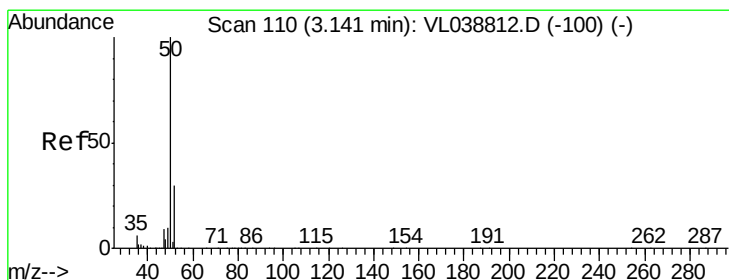
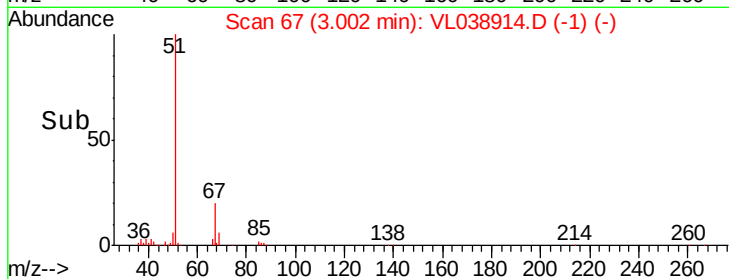
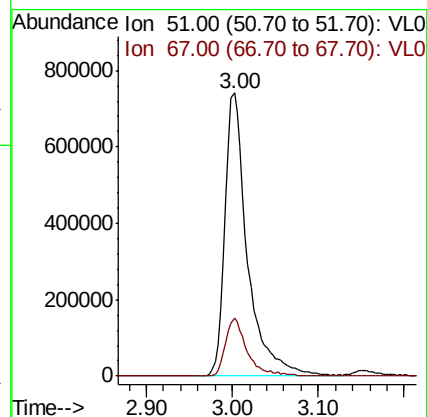
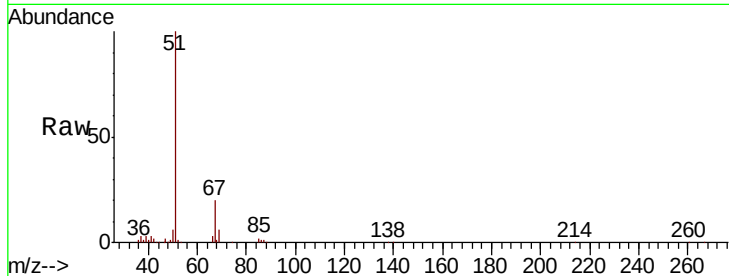
Acq: 14 Apr 2022 9:42 VSTDCCC010EC

Tot Ion: 51 Resp: 1355750

Ion Ratio Lower Upper

51 100

67 19.8 13.4 20.0



#4

Chloromethane

Concen: 9.987 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL038914.D

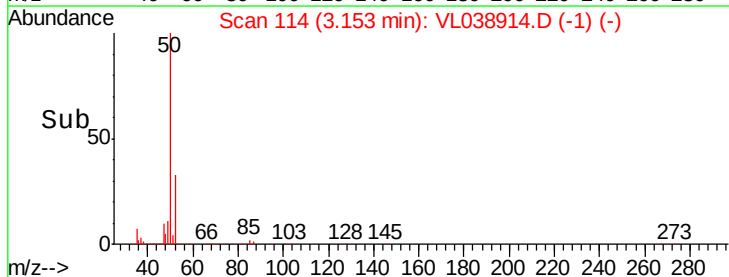
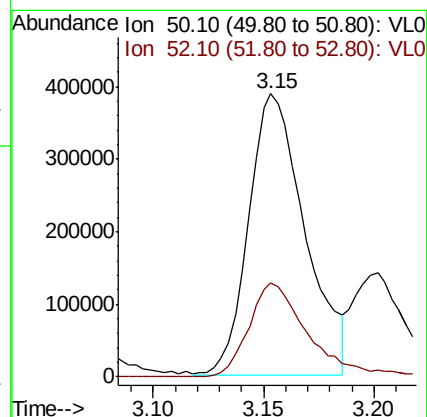
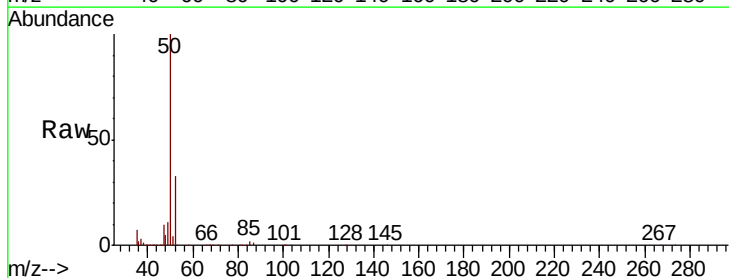
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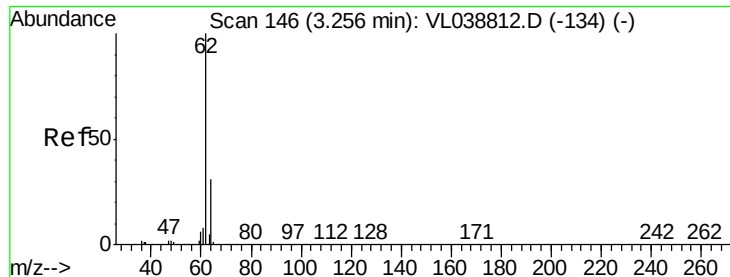
Tgt Ion: 50 Resp: 688631

Ion Ratio Lower Upper

50 100

52 33.5 24.3 36.5





#5

Vinyl Chloride

Concen: 10.348 ppbv

RT: 3.27 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

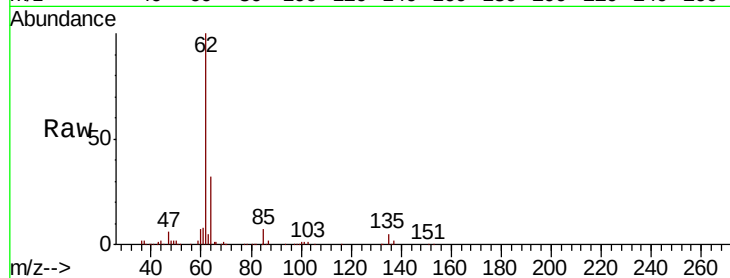
Acq: 14 Apr 2022 9:42 VSTDCCC010EC

Tot Ion: 62 Resp: 659278

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

3.27

400000

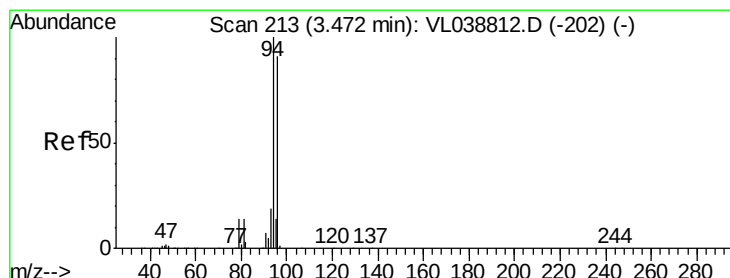
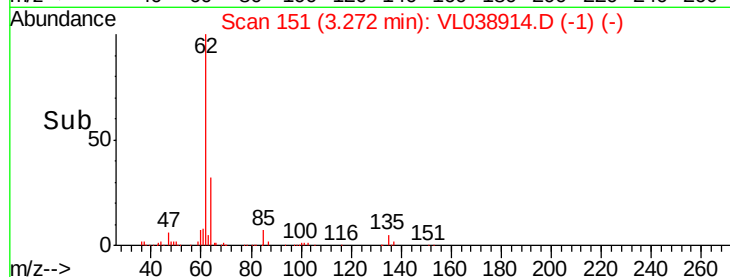
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.825 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.01 min

Lab File: VL038914.D

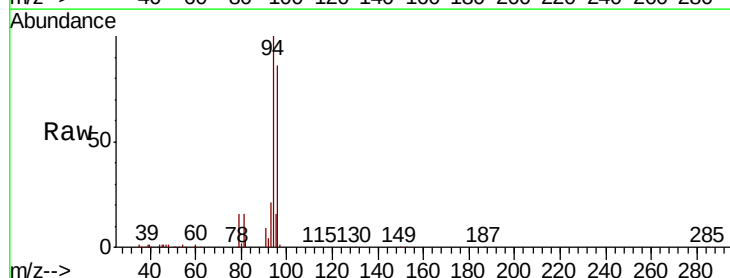
Acq: 14 Apr 2022 9:42

Tgt Ion: 94 Resp: 333689

Ion Ratio Lower Upper

94 100

96 85.8 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

200000

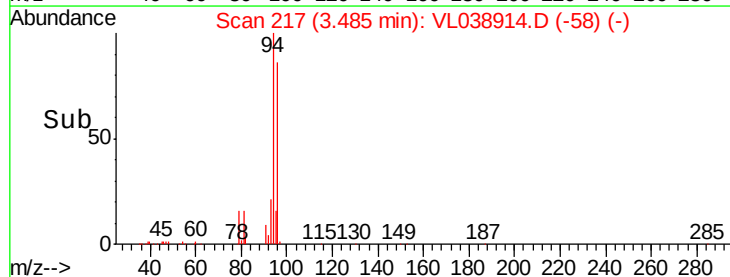
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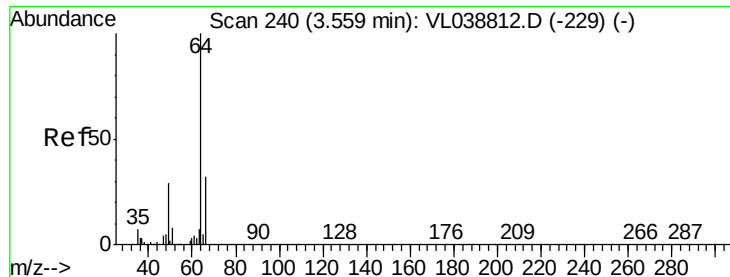
100000

50000

0

Time-->





#7

Chloroethane

Concen: 10.738 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

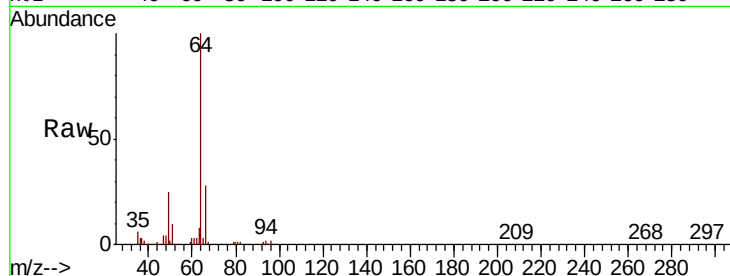
Acq: 14 Apr 2022 9:42 VSTDCCC010EC

Tot Ion: 64 Resp: 228131

Ion Ratio Lower Upper

64 100

66 27.7 25.4 38.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.57

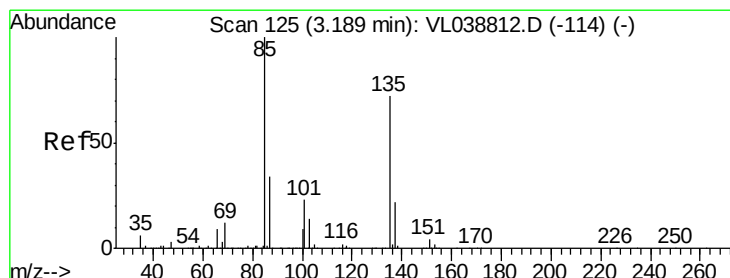
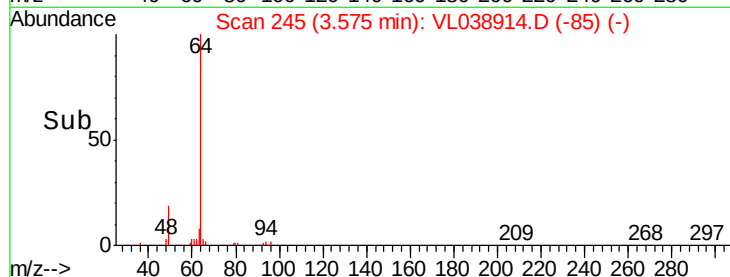
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.916 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.01 min

Lab File: VL038914.D

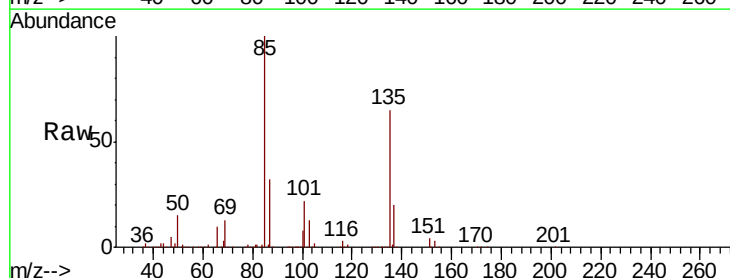
Acq: 14 Apr 2022 9:42

Tgt Ion: 85 Resp: 1578196

Ion Ratio Lower Upper

85 100

135 66.6 57.0 85.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.20

1000000

800000

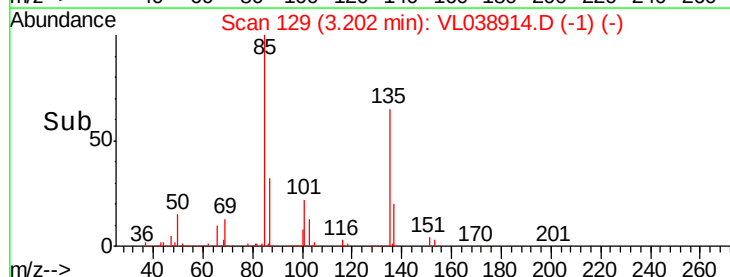
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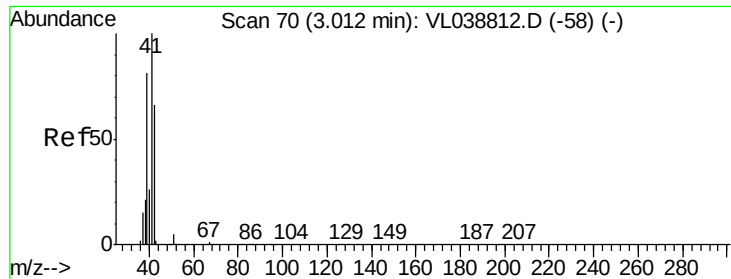
400000

200000

0

Time-->





#9

Propene

Concen: 8.077 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.02

Lab File: ClientSampleId: VSTDCCC010EC

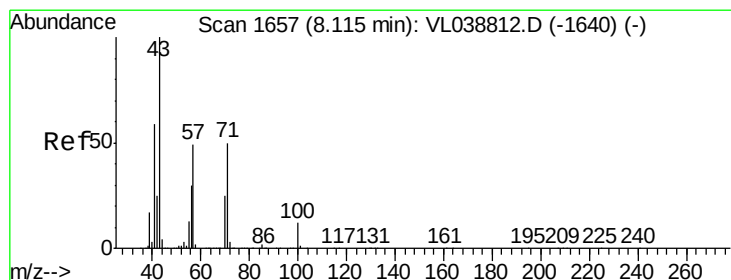
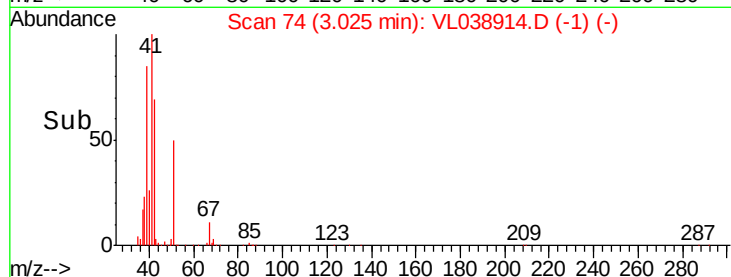
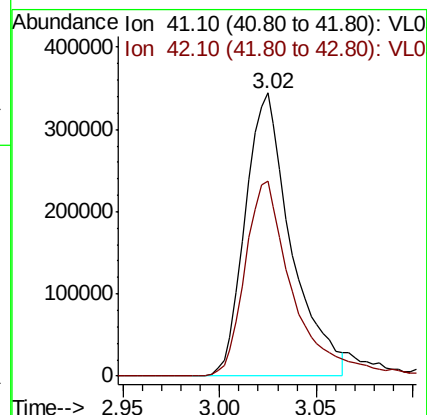
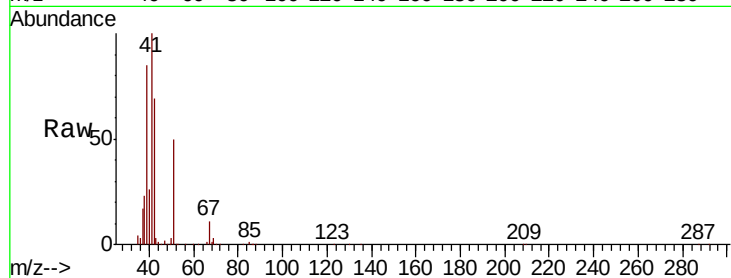
Acq: 14 Apr 2022 9:42

Tot Ion: 41 Resp: 569074

Ion Ratio Lower Upper

41 100

42 73.3 54.2 81.4



#10

Heptane

Concen: 8.252 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.02 min

Lab File: VL038914.D

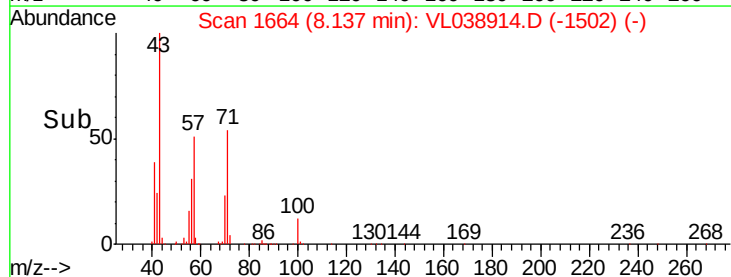
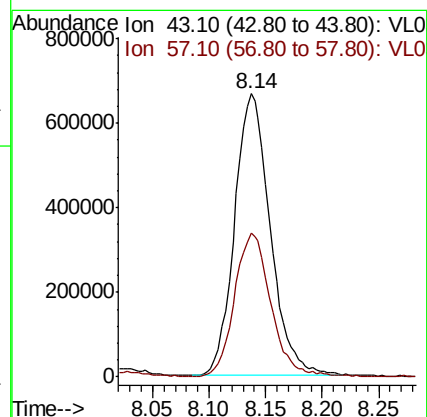
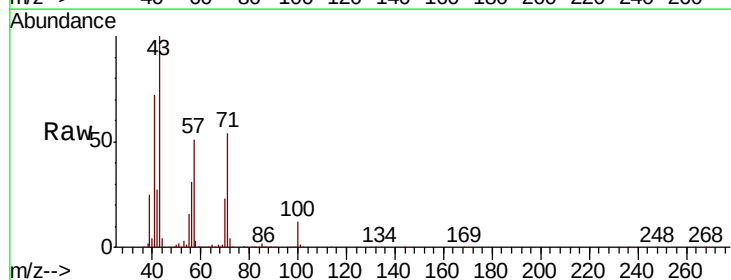
Acq: 14 Apr 2022 9:42

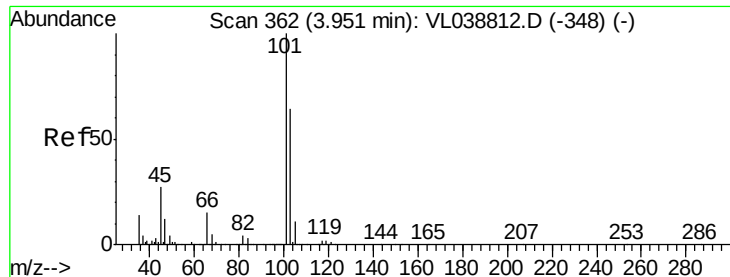
Tgt Ion: 43 Resp: 1464321

Ion Ratio Lower Upper

43 100

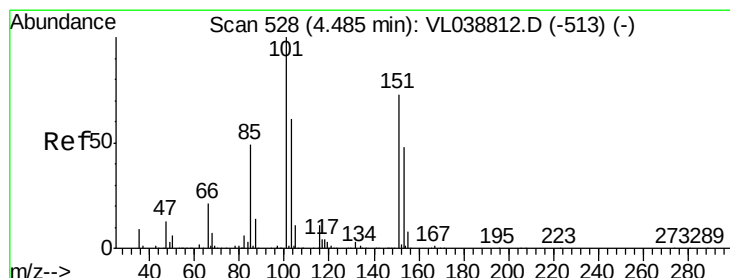
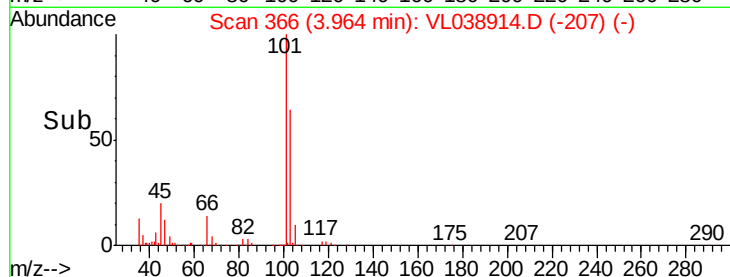
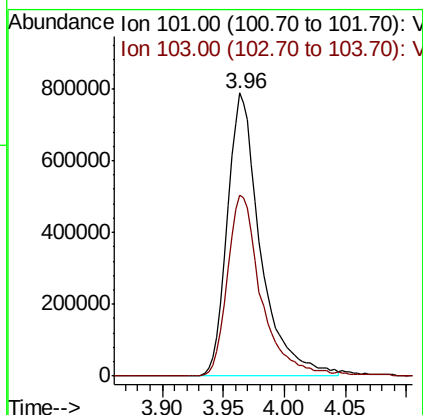
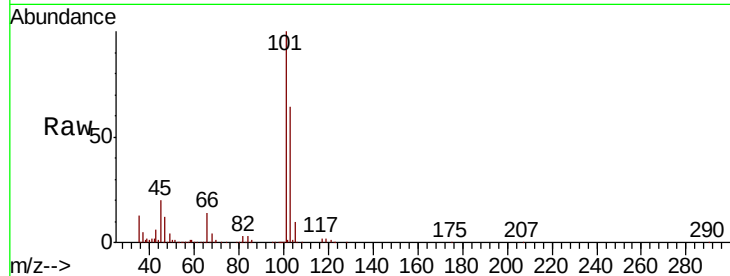
57 51.6 39.3 58.9





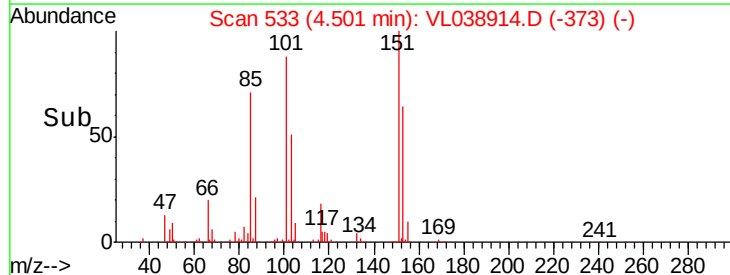
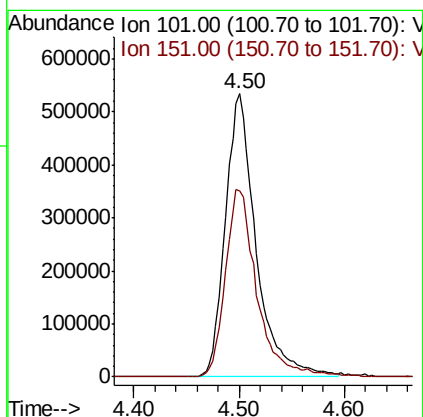
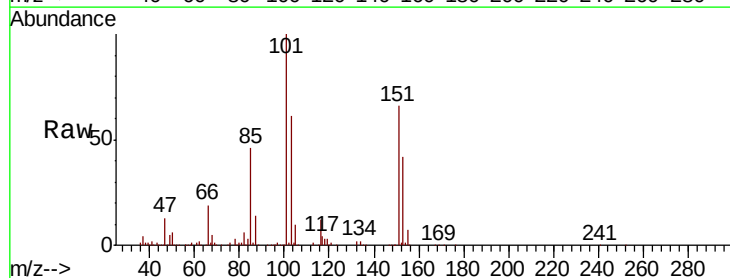
#11
 Trichlorofluoromethane
 Concen: 12.054 ppbv
 RT: 3.96
 Instrument: MSVOA_1
 Delta R.T.:
 ClientSampleId:
 Lab File: VSTDCCC010EC
 Acq: 14 Apr 2022 9:42

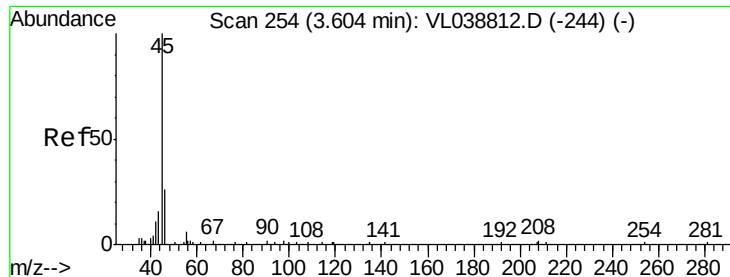
Tot Ion:101 Resp: 1499058
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.288 ppbv
 RT: 4.50 min Scan# 533
 Delta R.T.: 0.02 min
 Lab File: VL038914.D
 Acq: 14 Apr 2022 9:42

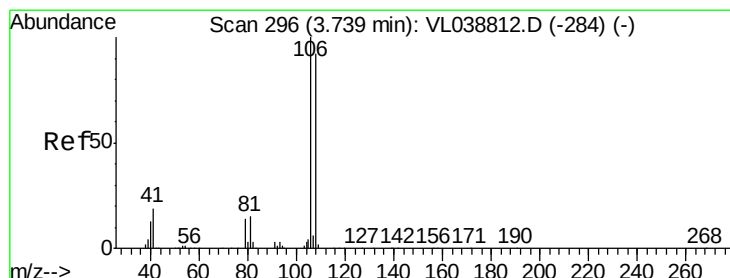
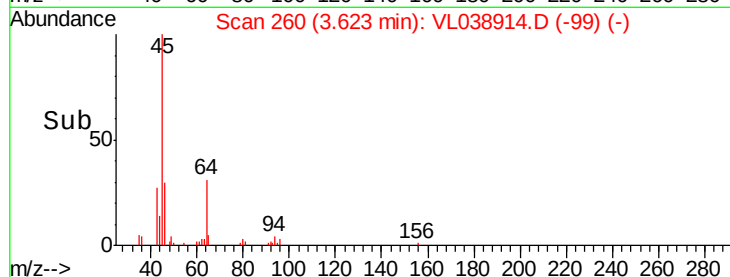
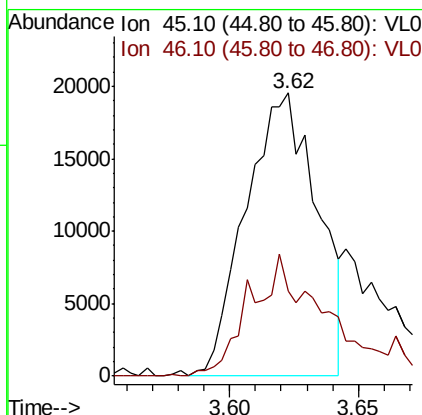
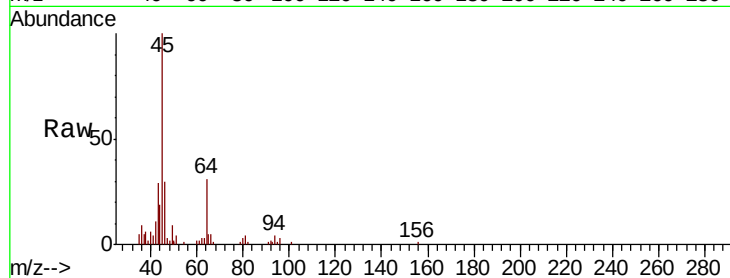
Tgt Ion:101 Resp: 1075284
 Ion Ratio Lower Upper
 101 100
 151 68.4 59.9 89.9





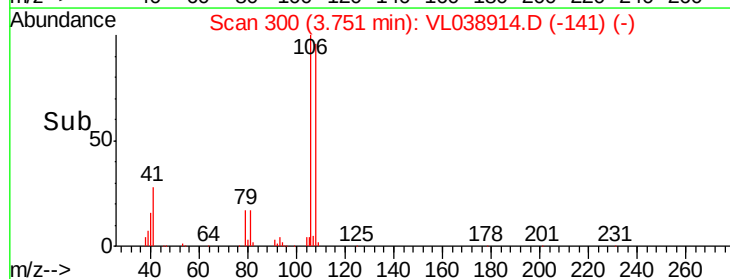
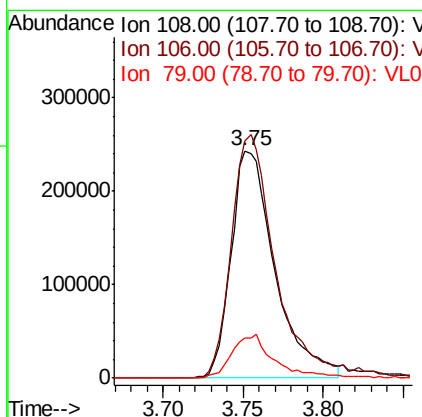
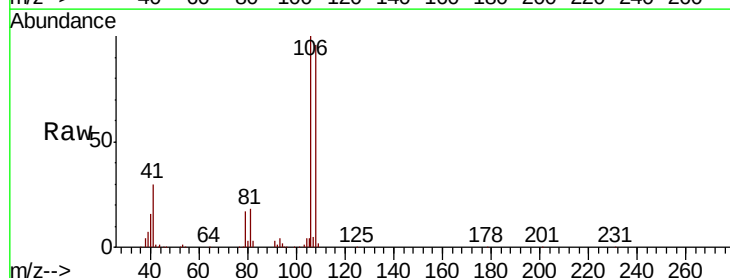
#13
Ethanol
Concen: 8.815 ppbv
RT: 3.62
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Apr 2022 9:42

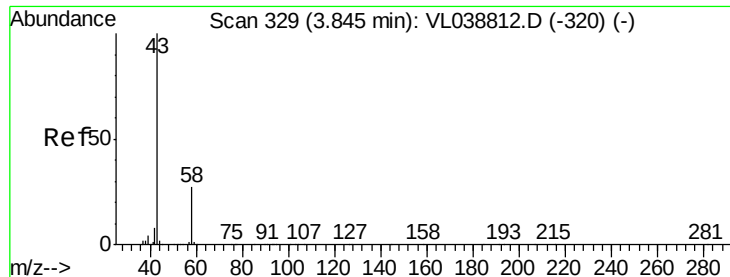
Tot Ion: 45 Resp: 37742
Ion Ratio Lower Upper
45 100
46 48.0 0.0 0.0#



#14
Bromoethene
Concen: 10.832 ppbv
RT: 3.75 min Scan# 300
Delta R.T.: 0.01 min
Lab File: VL038914.D
Acq: 14 Apr 2022 9:42

Tgt Ion: 108 Resp: 453791
Ion Ratio Lower Upper
108 100
106 111.1 91.5 137.3
79 19.3 13.7 20.5





#15

Acetone

Concen: 10.811 ppbv

RT: 3.86 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

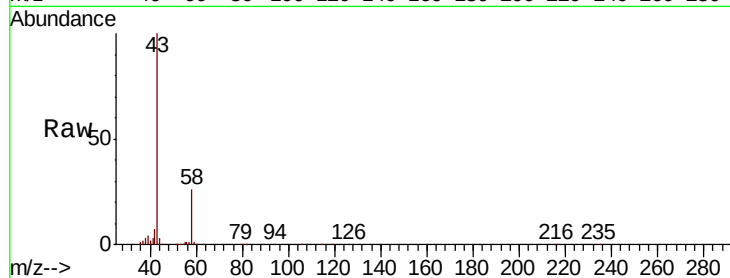
Acq: 14 Apr 2022 9:42 VSTDCCC010EC

Tot Ion: 43 Resp: 1174436

Ion Ratio Lower Upper

43 100

58 26.6 22.5 33.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.86

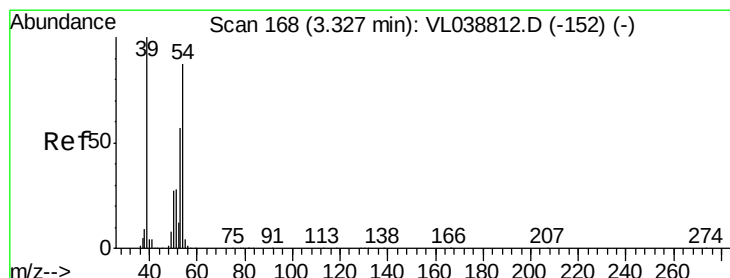
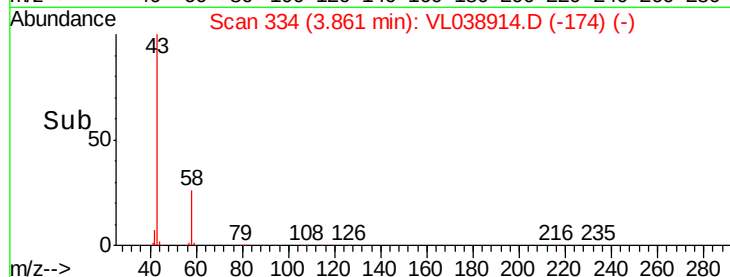
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 9.846 ppbv

RT: 3.34 min Scan# 172

Delta R.T. 0.01 min

Lab File: VL038914.D

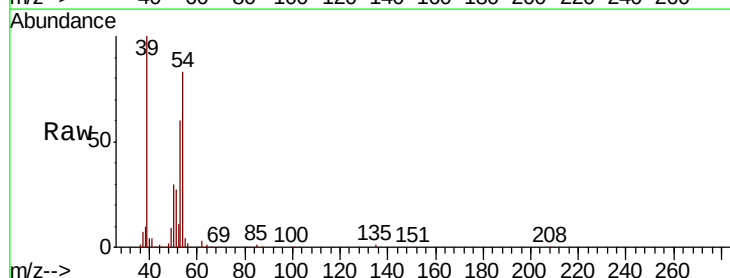
Acq: 14 Apr 2022 9:42

Tgt Ion: 39 Resp: 611446

Ion Ratio Lower Upper

39 100

54 82.9 64.8 97.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.34

400000

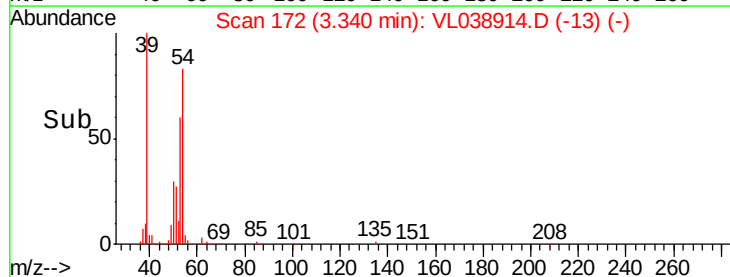
300000

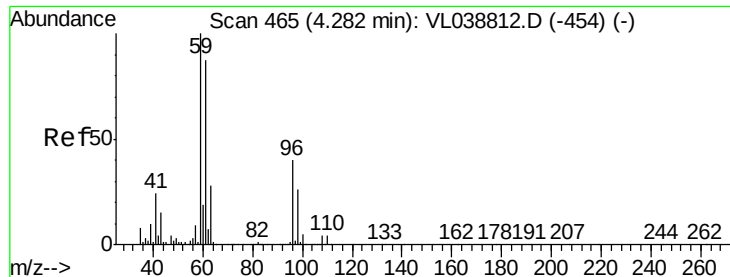
200000

100000

0

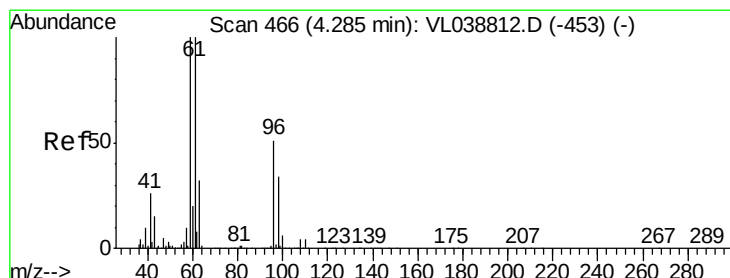
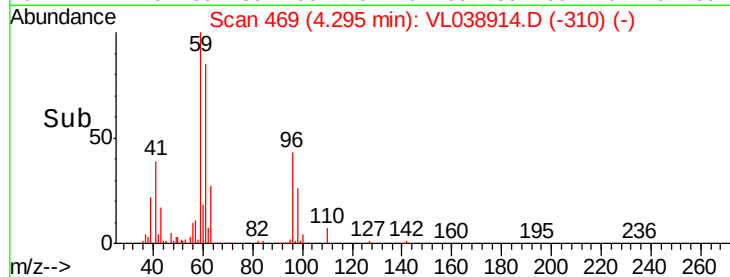
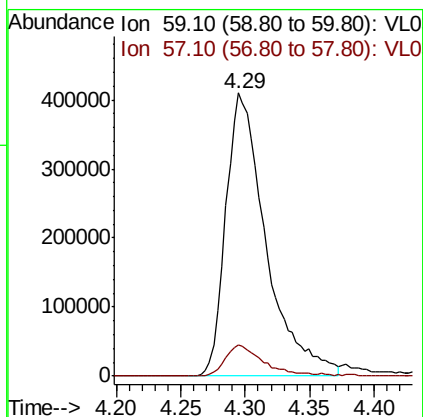
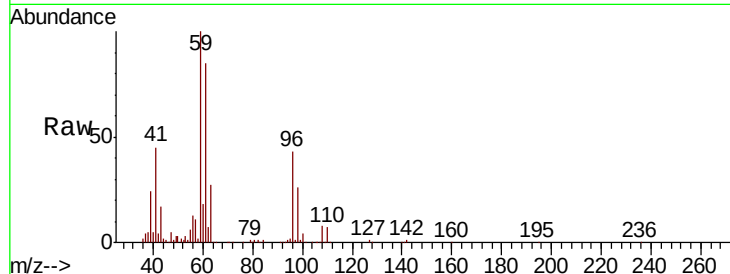
Time-->





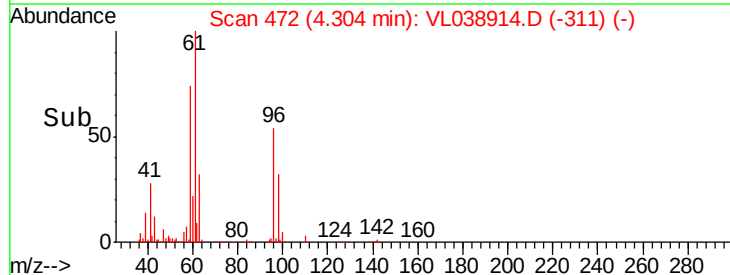
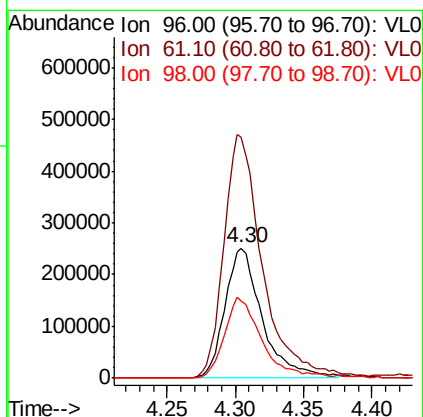
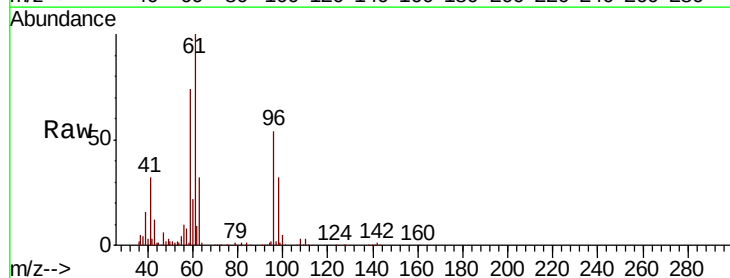
#17
 tert-Butyl alcohol
 Concen: 9.129 ppbv
 RT: 4.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 14 Apr 2022 9:42

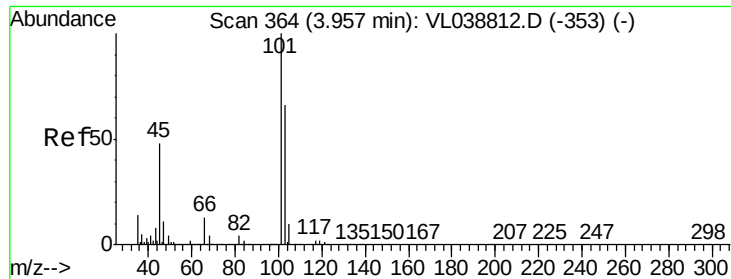
Tot Ion: 59 Resp: 889282
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.5 12.7



#18
 1,1-Dichloroethene
 Concen: 10.963 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.02 min
 Lab File: VL038914.D
 Acq: 14 Apr 2022 9:42

Tgt Ion: 96 Resp: 476078
 Ion Ratio Lower Upper
 96 100
 61 184.9 156.1 234.1
 98 59.2 53.0 79.6





#19

Isopropyl Alcohol

Concen: 11.097 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

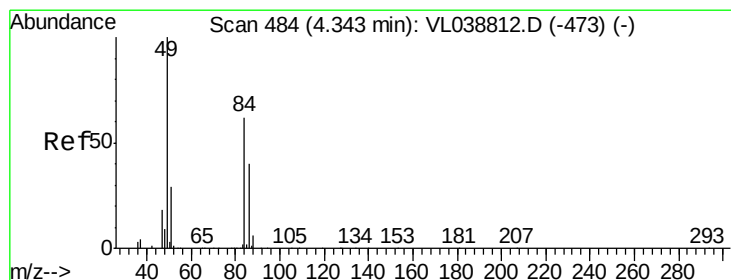
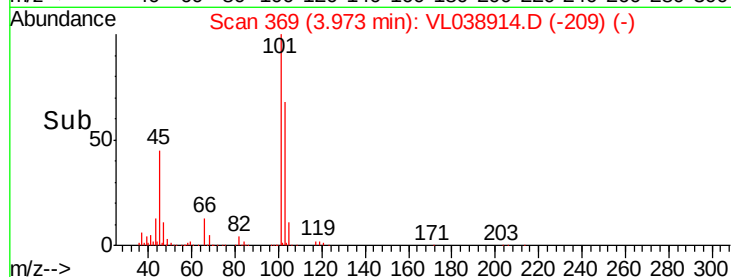
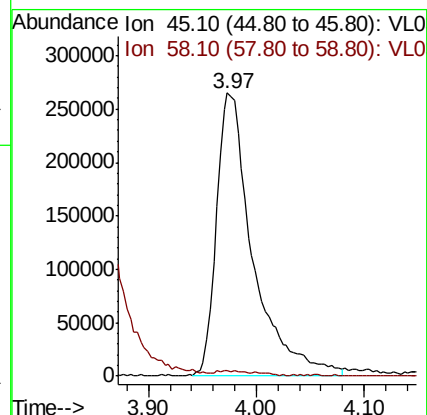
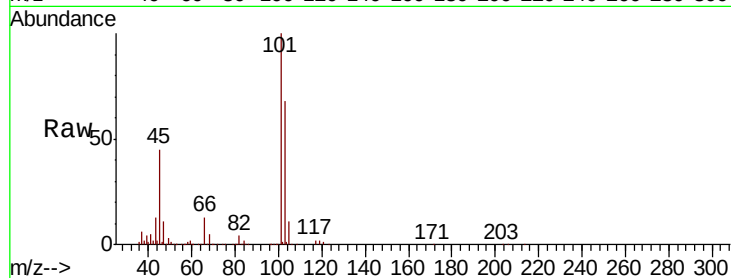
Acq: 14 Apr 2022 9:42 VSTDCCC010EC

Tot Ion: 45 Resp: 616134

Ion Ratio Lower Upper

45 100

58 1.8 0.0 0.0#



#20

Methylene Chloride

Concen: 9.863 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.02 min

Lab File: VL038914.D

Acq: 14 Apr 2022 9:42

Tgt Ion: 84 Resp: 388553

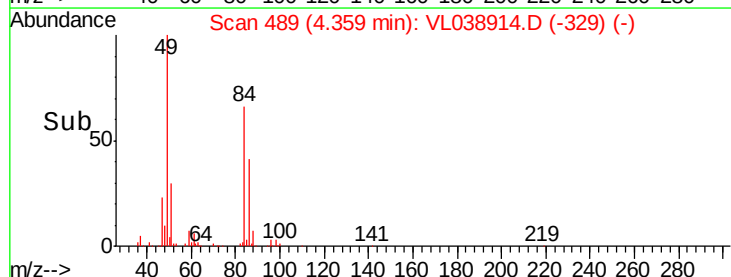
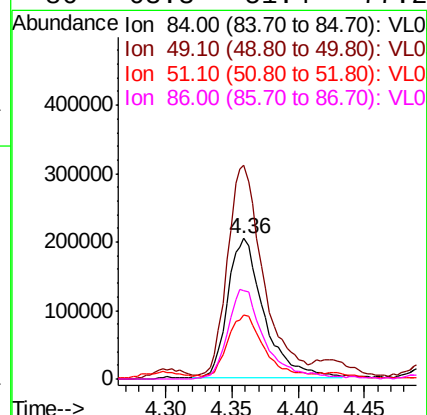
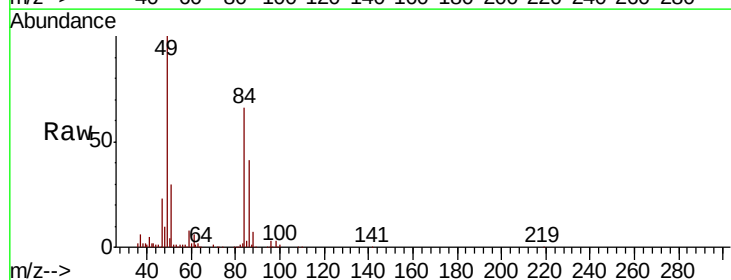
Ion Ratio Lower Upper

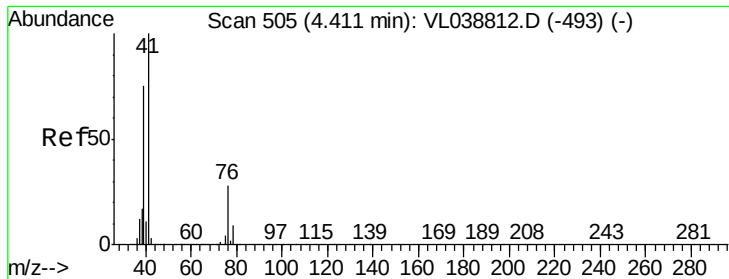
84 100

49 150.5 129.4 194.0

51 44.6 37.4 56.2

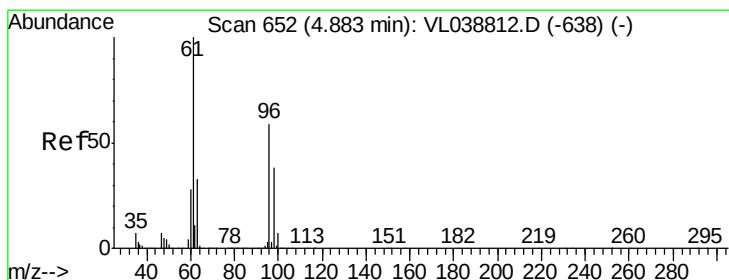
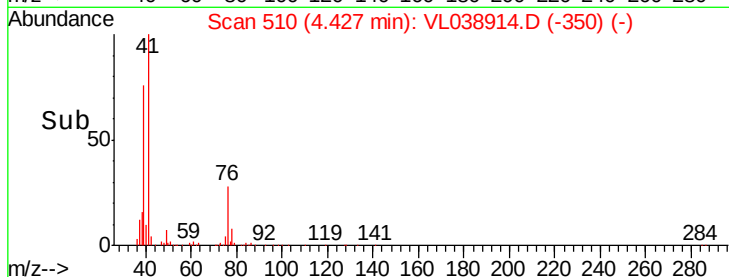
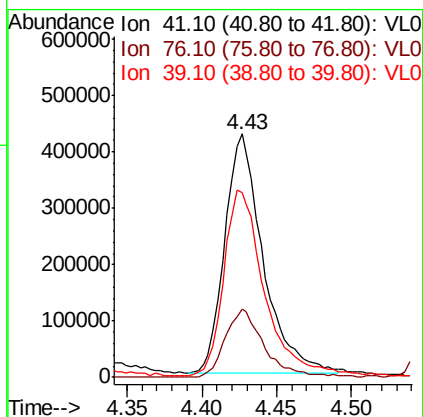
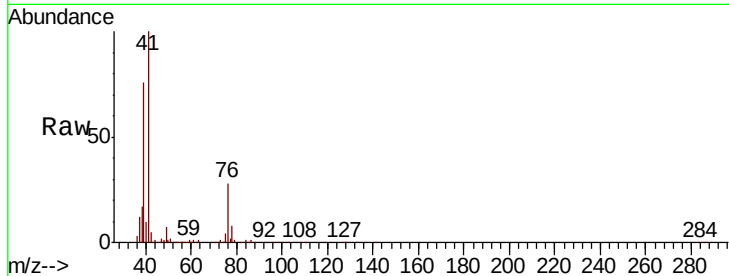
86 63.3 51.4 77.2





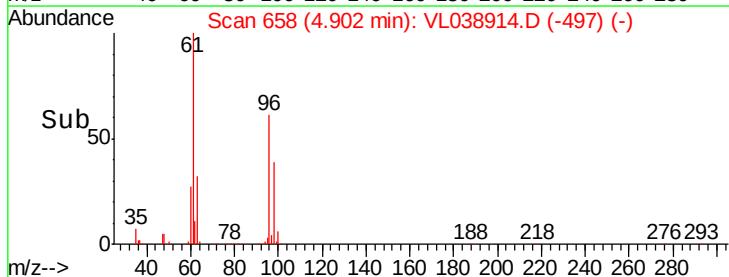
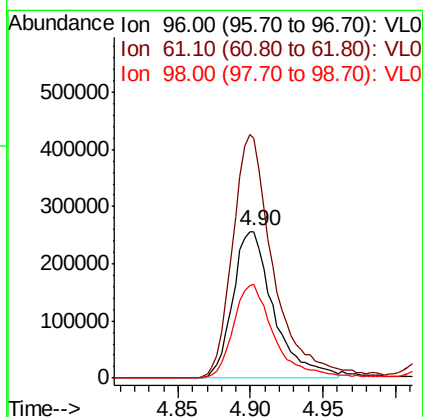
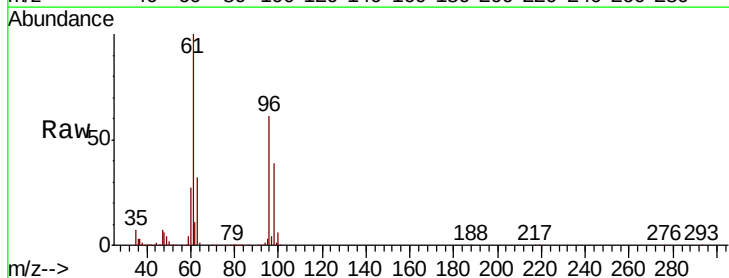
#21
 Allvl Chloride
 Concen: 9.357 ppbv
 RT: 4.43
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 14 Apr 2022 9:42

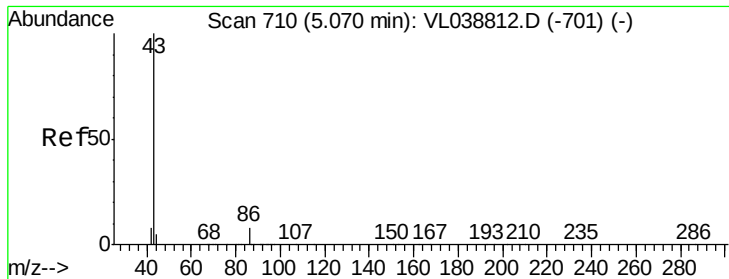
Tot Ion	41	Resp	761048
Ion Ratio	100	Lower	Upper
76	29.2	23.7	35.5
39	83.2	62.0	93.0



#22
 trans-1,2-Dichloroethene
 Concen: 11.406 ppbv
 RT: 4.90 min Scan# 658
 Delta R.T. 0.02 min
 Lab File: VL038914.D
 Acq: 14 Apr 2022 9:42

Tgt Ion	96	Resp	501476
Ion Ratio	100	Lower	Upper
61	163.6	134.8	202.2
98	64.1	51.9	77.9





#23

Vinyl Acetate

Concen: 10.133 ppbv

RT: 5.09 Instrument:

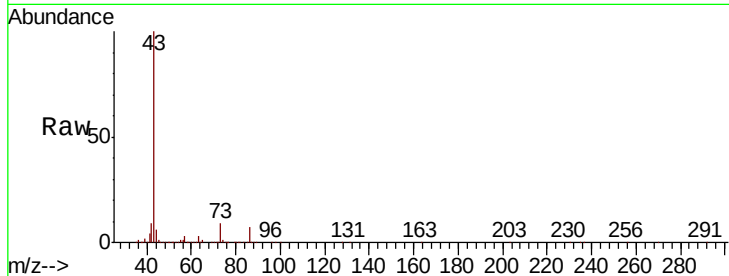
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 14 Apr 2022 9:42 VSTDCCC010EC

Tot Ion: 43 Resp: 1071943

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.8	8.6
42	8.8	7.8	11.6
44	5.3	3.6	5.4

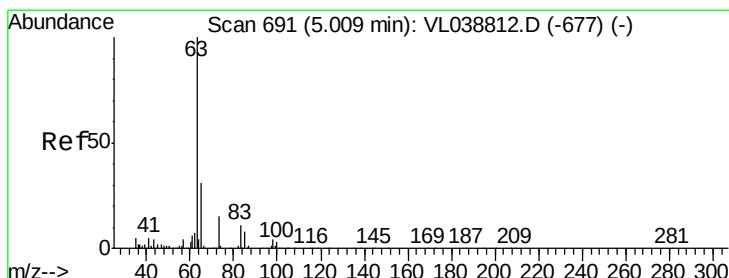
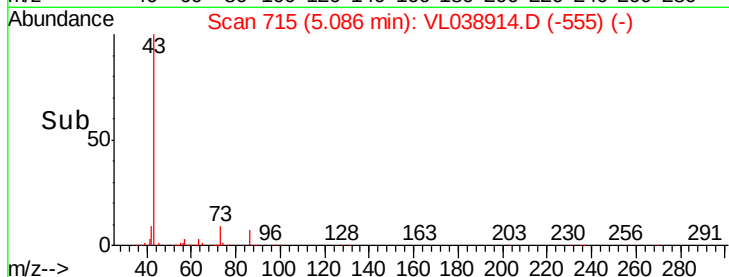
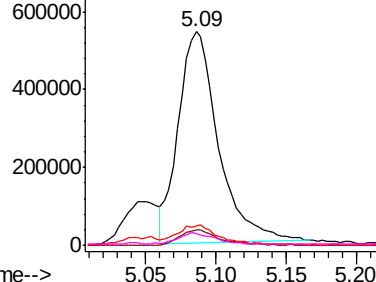


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.364 ppbv

RT: 5.02 min Scan# 696

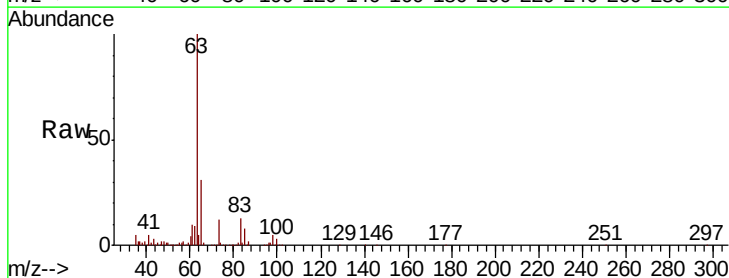
Delta R.T. 0.02 min

Lab File: VL038914.D

Acq: 14 Apr 2022 9:42

Tgt Ion: 63 Resp: 990825

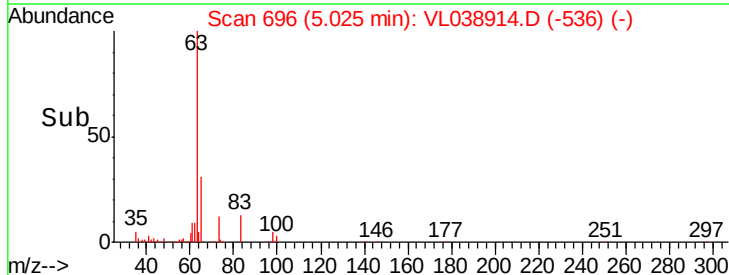
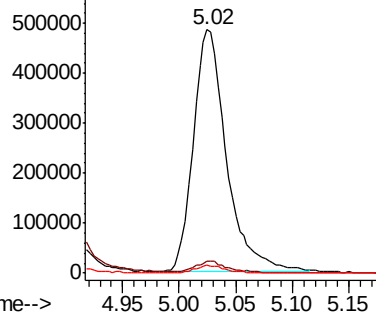
Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.2	6.6
100	3.1	1.4	4.0

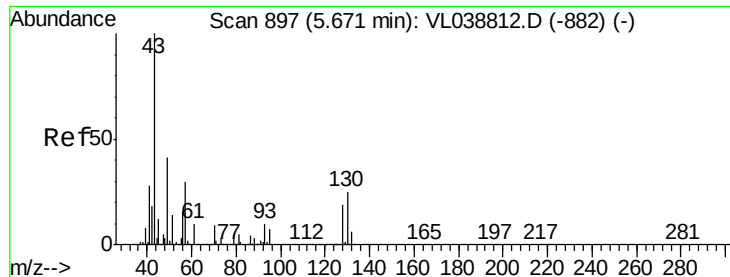


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

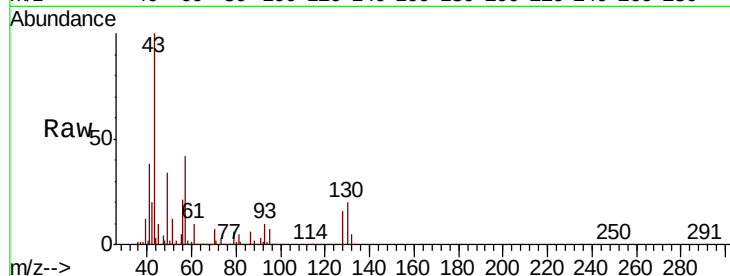




#25
Ethyl Acetate
Concen: 9.327 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 Apr 2022 9:42

Tot Ion: 43 Resp: 2570739

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.4	12.6
61	10.3	7.9	11.9
70	6.9	5.6	8.4



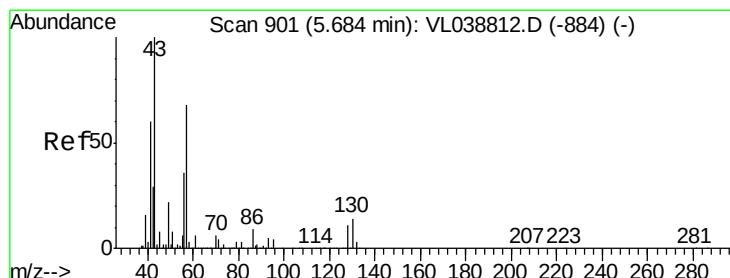
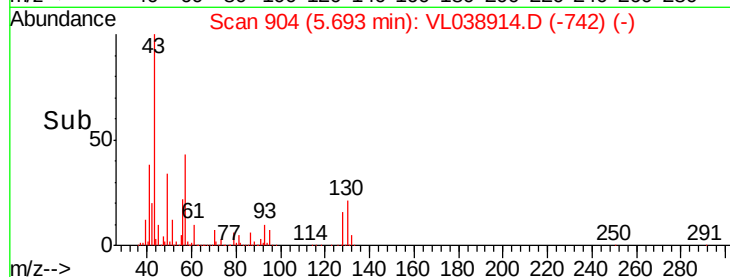
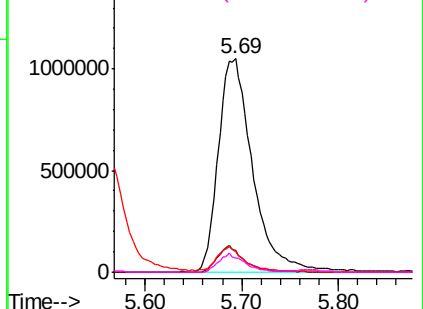
Abundance

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

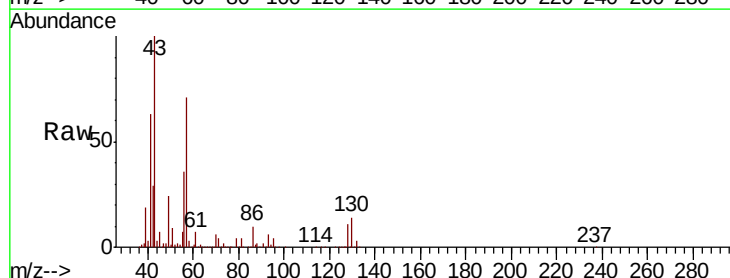
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.936 ppbv
RT: 5.70 min Scan# 907
Delta R.T.: 0.02 min
Lab File: VL038914.D
Acq: 14 Apr 2022 9:42

Tgt Ion: 57 Resp: 1121139

Ion	Ratio	Lower	Upper
57	100		
41	91.8	72.0	108.0
43	231.2	186.6	280.0
56	53.4	42.8	64.2



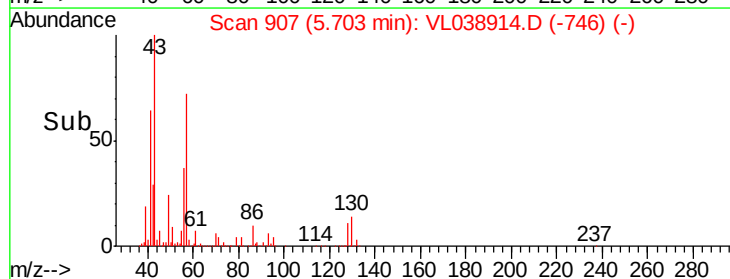
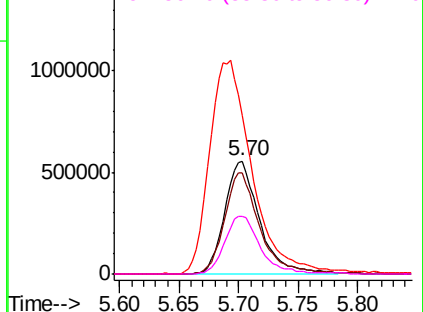
Abundance

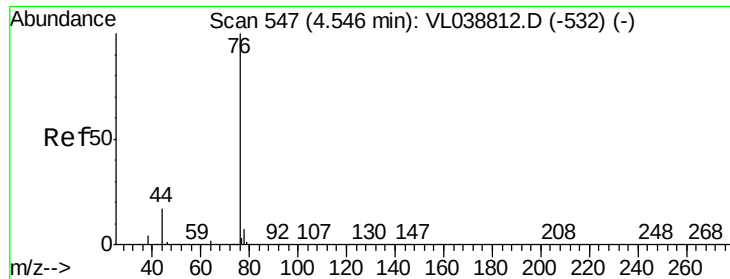
Ion 57.10 (56.80 to 57.80): VL0

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: 10.579 ppbv

RT: 4.56 Instrument: MSVOA_1

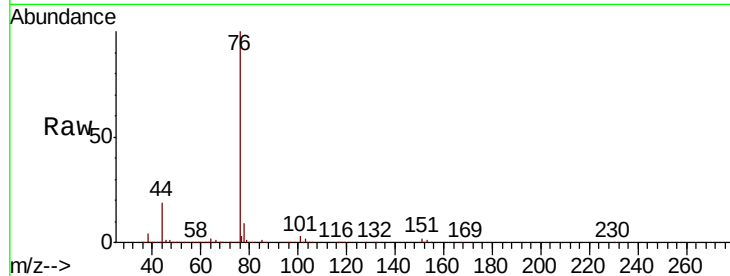
Delta R.T. 0.02 min

Lab File: ClientSampleId: VSTDCCC010EC

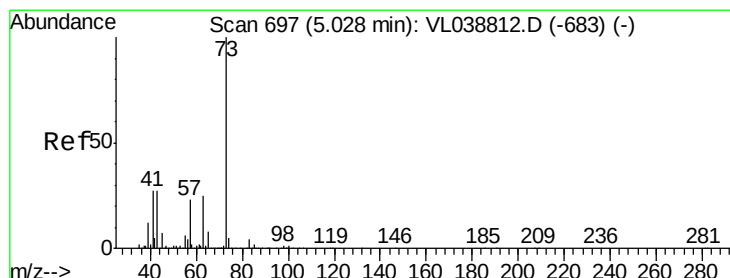
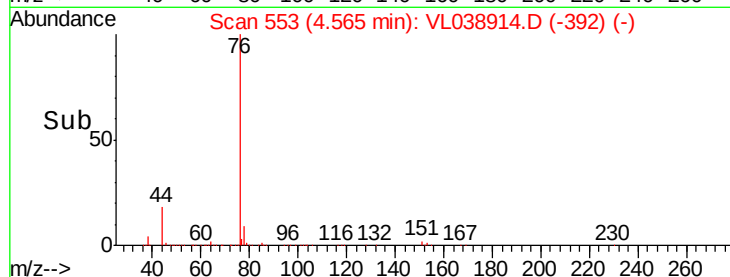
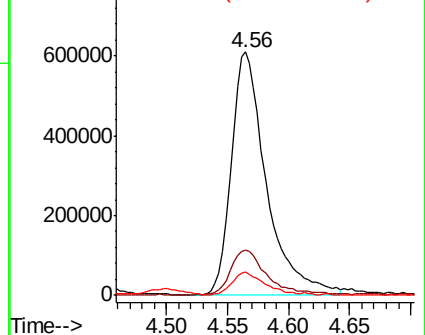
Acq: 14 Apr 2022 9:42

Tot Ion: 76 Resp: 1217150

Ion	Ratio	Lower	Upper
76	100		
44	19.1	15.7	23.5
78	9.5	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: 9.522 ppbv

RT: 5.05 min Scan# 703

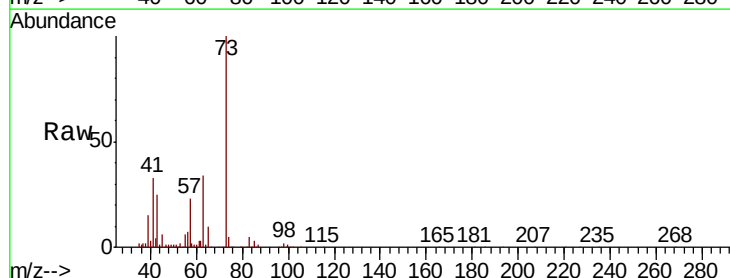
Delta R.T. 0.02 min

Lab File: VL038914.D

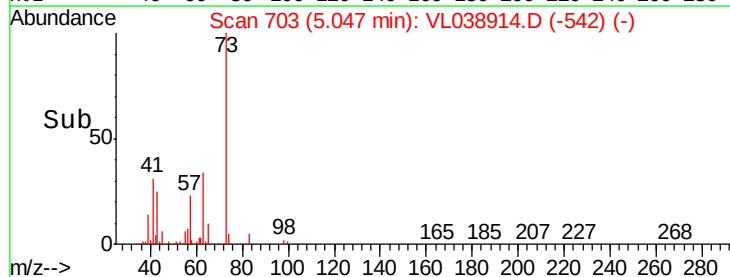
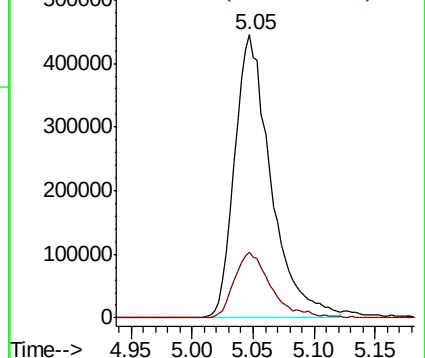
Acq: 14 Apr 2022 9:42

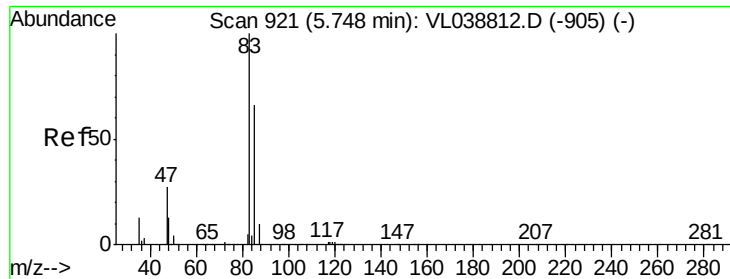
Tgt Ion: 73 Resp: 922657

Ion	Ratio	Lower	Upper
73	100		
57	23.7	19.7	29.5



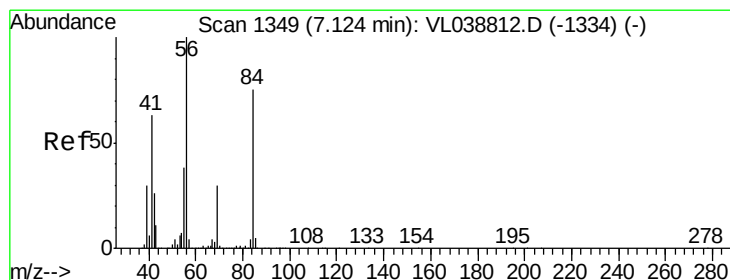
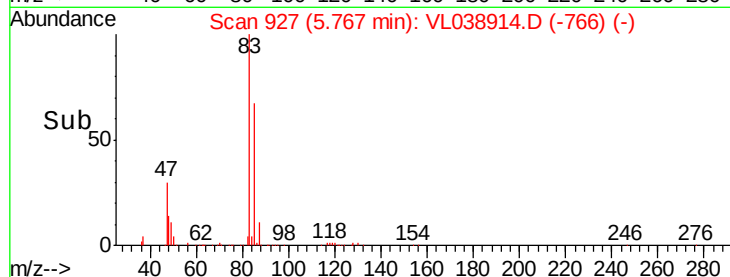
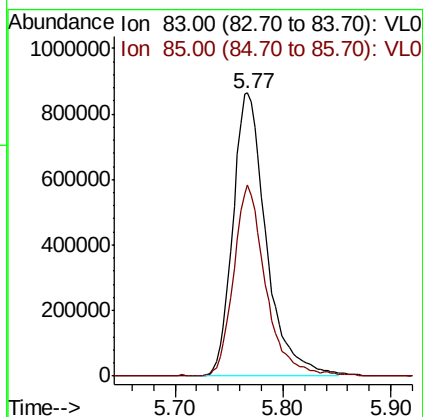
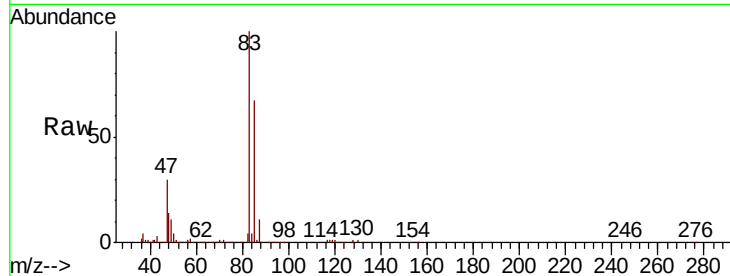
Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





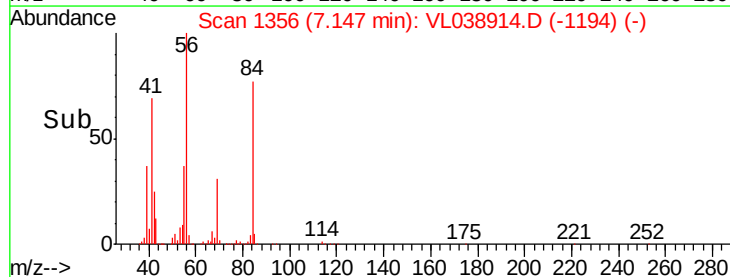
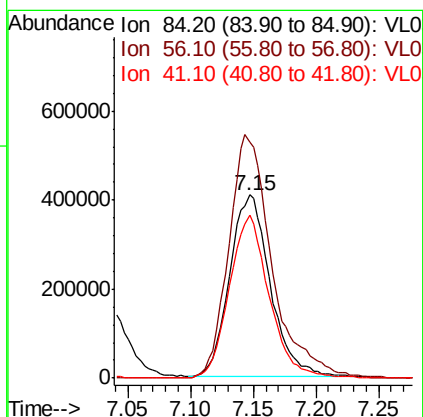
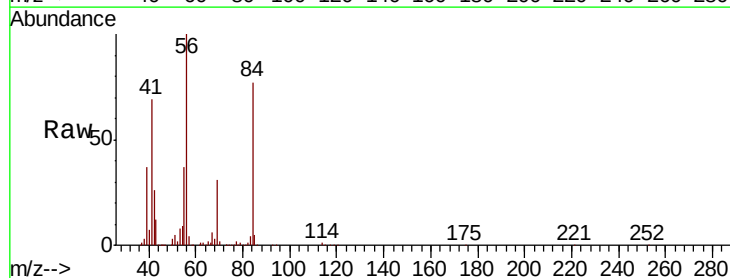
#29
Chloroform
Concen: 10.574 ppbv
RT: 5.77
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Apr 2022 9:42

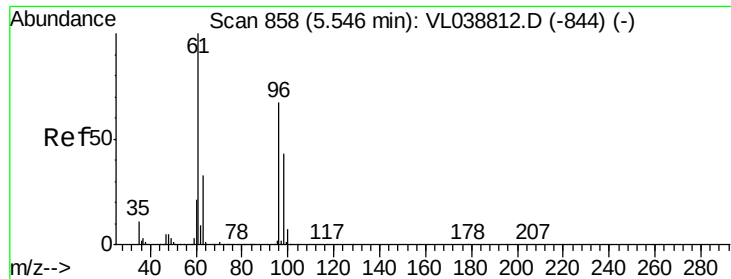
Tot Ion: 83 Resp: 1856088
Ion Ratio Lower Upper
83 100
85 67.2 52.5 78.7



#30
Cyclohexane
Concen: 8.290 ppbv
RT: 7.15 min Scan# 1356
Delta R.T.: 0.02 min
Lab File: VL038914.D
Acq: 14 Apr 2022 9:42

Tgt Ion: 84 Resp: 916646
Ion Ratio Lower Upper
84 100
56 143.8 114.4 171.6
41 88.7 69.0 103.4





#31

cis-1,2-Dichloroethene

Concen: 10.278 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 9:42 VSTDCCC010EC

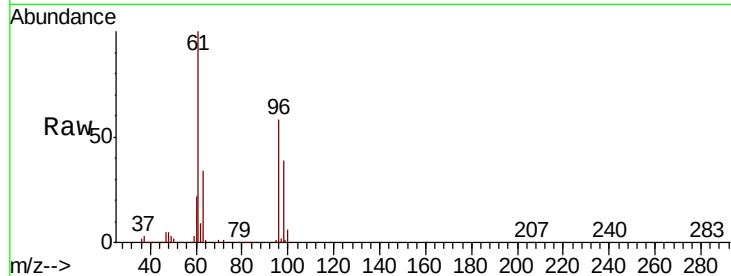
Tot Ion: 61 Resp: 1185698

Ion Ratio Lower Upper

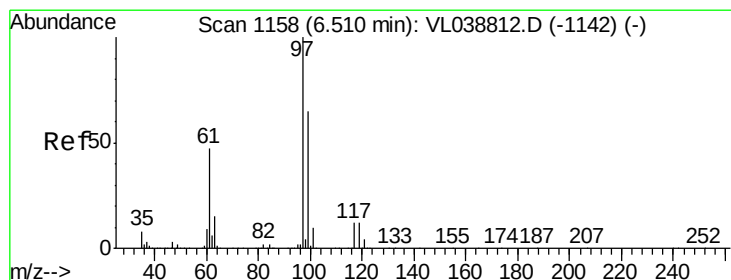
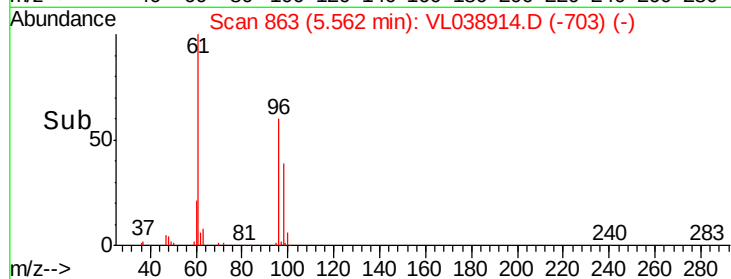
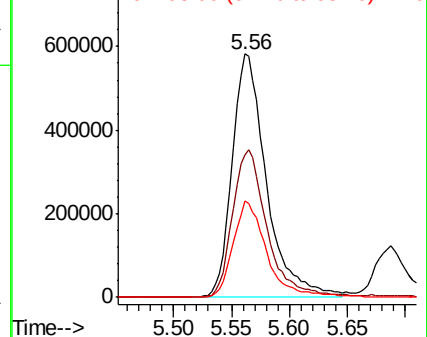
61 100

96 58.3 53.4 80.0

98 39.4 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: 10.477 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.02 min

Lab File: VL038914.D

Acq: 14 Apr 2022 9:42

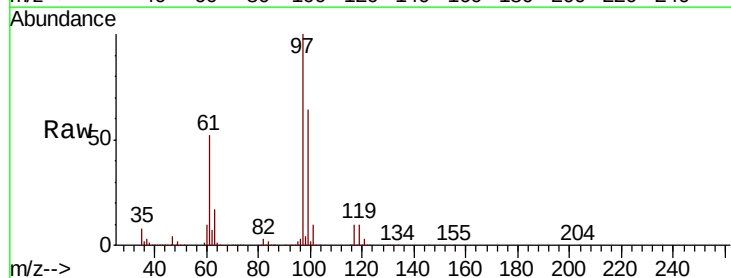
Tgt Ion: 97 Resp: 1852906

Ion Ratio Lower Upper

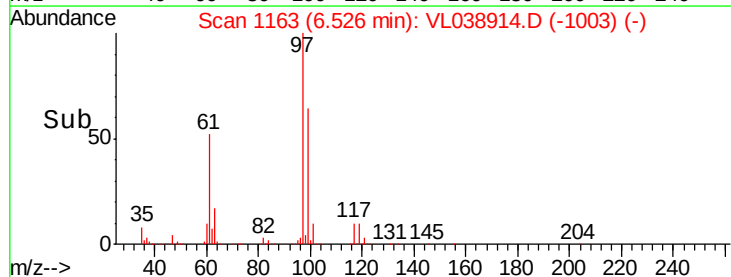
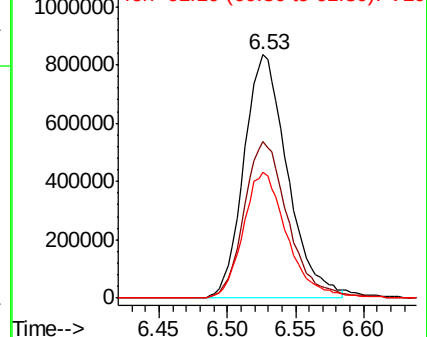
97 100

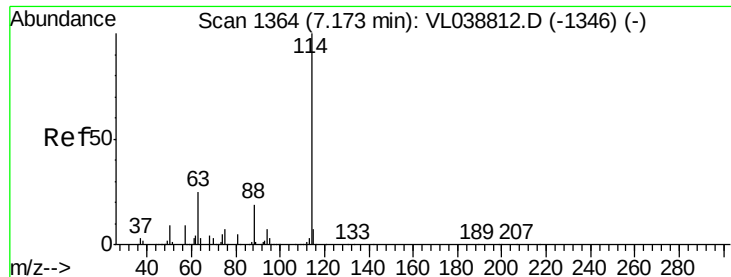
99 65.2 52.4 78.6

61 52.6 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: 7.19

Instrument: MSVOA_1

Delta R.T.:

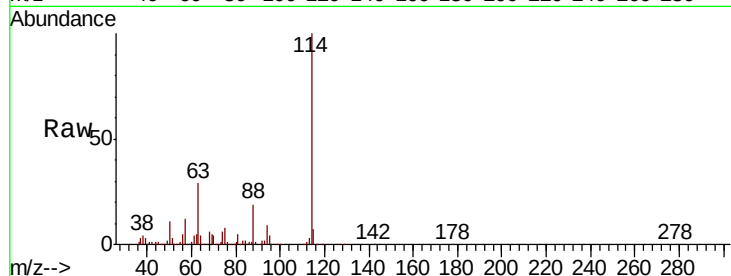
ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 14 Apr 2022 9:42

Tot Ion:114 Resp: 2709691

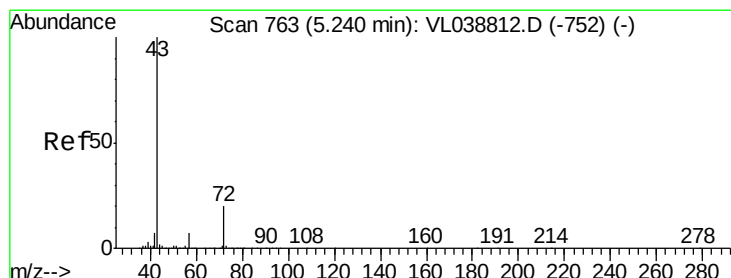
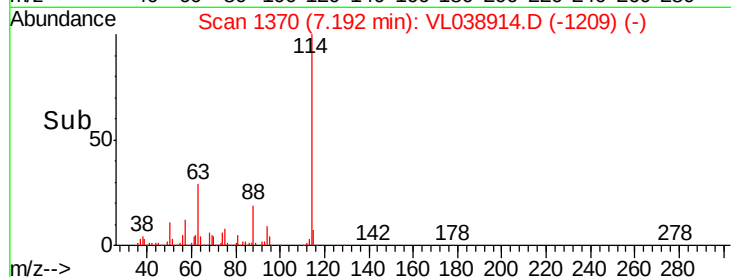
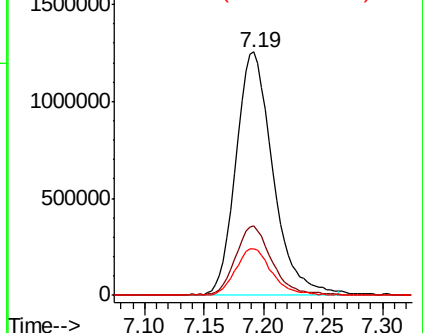
Ion	Ratio	Lower	Upper
114	100		
63	28.6	19.8	29.8
88	19.0	14.2	21.4



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: 13.444 ppbv

RT: 5.26 min Scan# 768

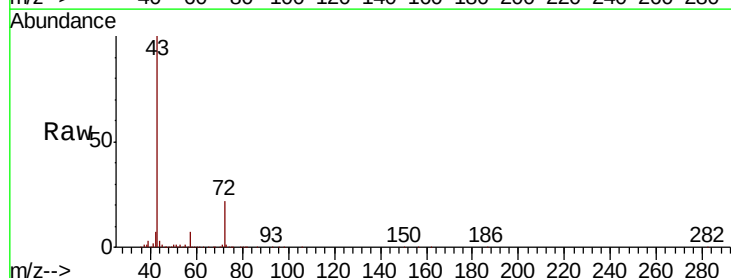
Delta R.T. 0.02 min

Lab File: VL038914.D

Acq: 14 Apr 2022 9:42

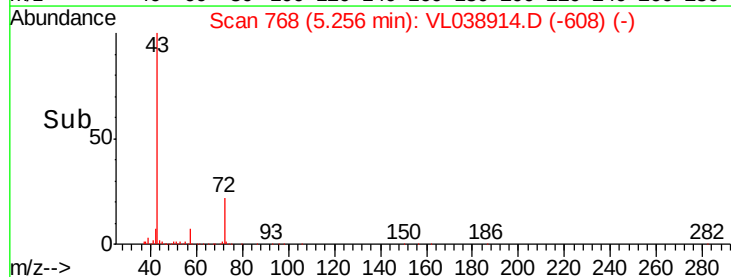
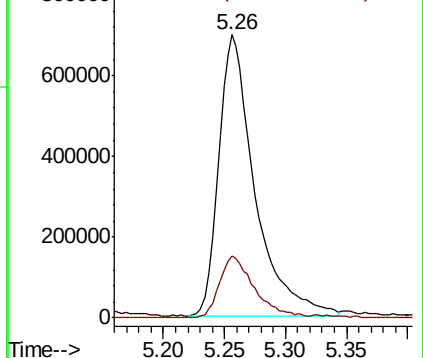
Tgt Ion: 43 Resp: 1439440

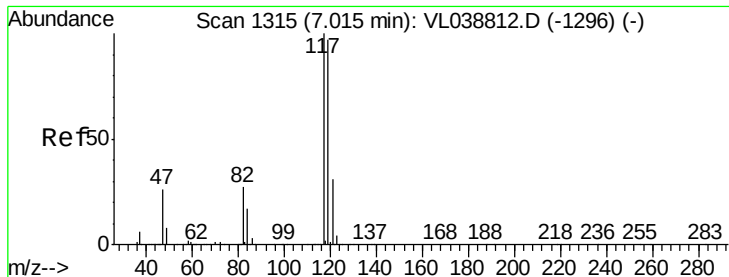
Ion	Ratio	Lower	Upper
43	100		
72	22.2	16.9	25.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 11.871 ppbv

RT: 7.03 Instrument: MSVOA_L

Delta R.T.

Lab File: ClientSampleId: VSTDCCC010EC

Acq: 14 Apr 2022 9:42

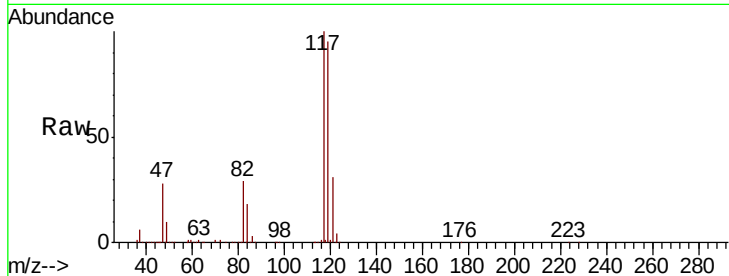
Tot Ion:117 Resp: 1928376

Ion Ratio Lower Upper

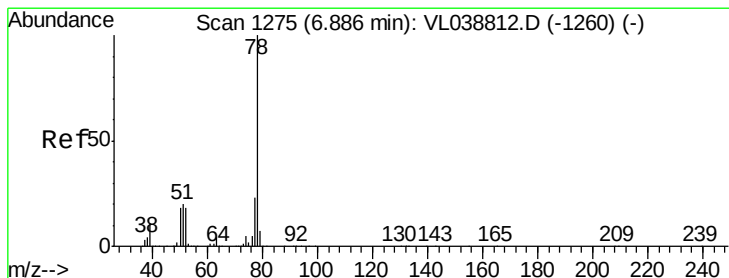
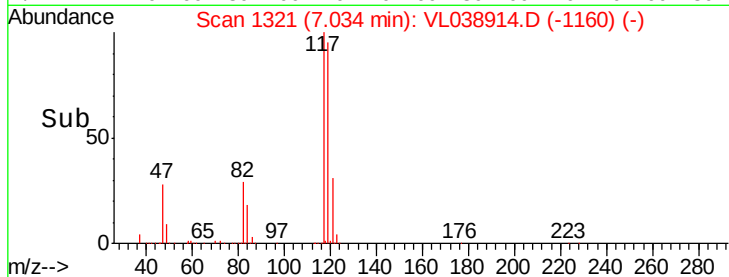
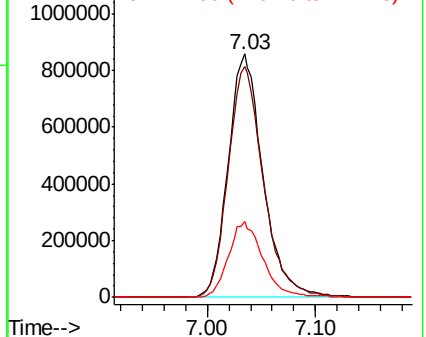
117 100

119 94.8 77.7 116.5

121 31.1 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: 9.209 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.02 min

Lab File: VL038914.D

Acq: 14 Apr 2022 9:42

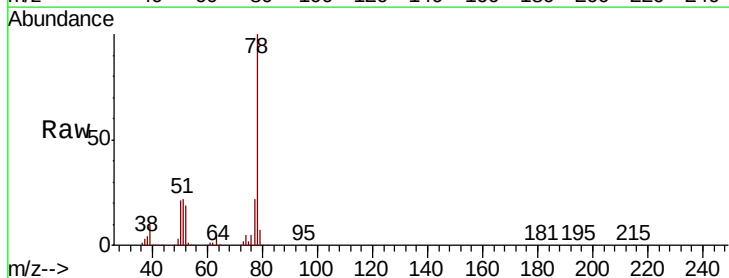
Tgt Ion: 78 Resp: 2270011

Ion Ratio Lower Upper

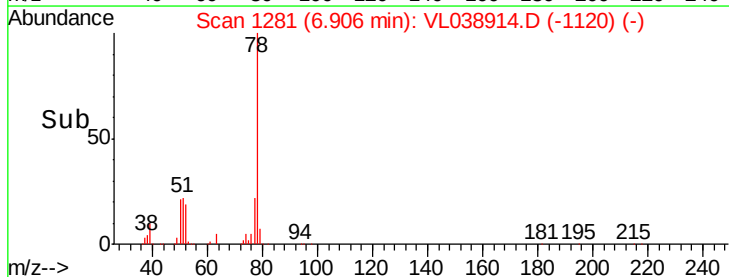
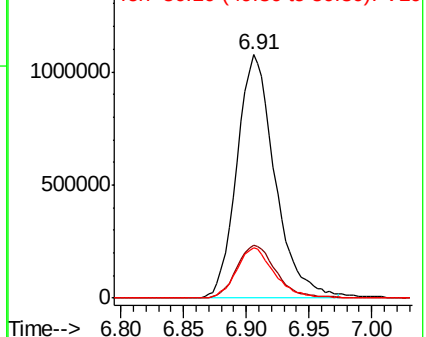
78 100

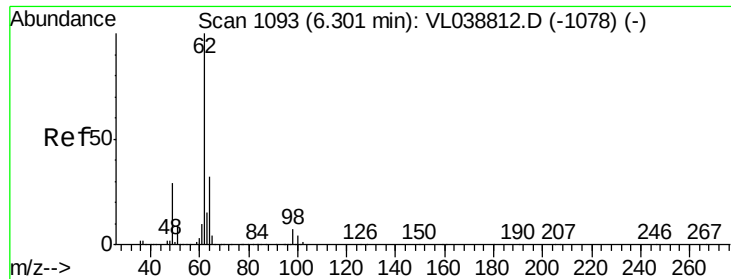
77 21.7 18.2 27.2

50 20.9 14.0 21.0



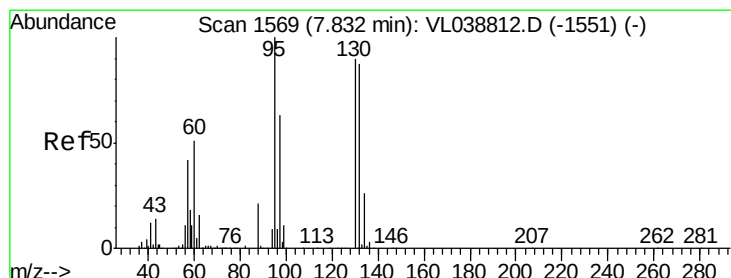
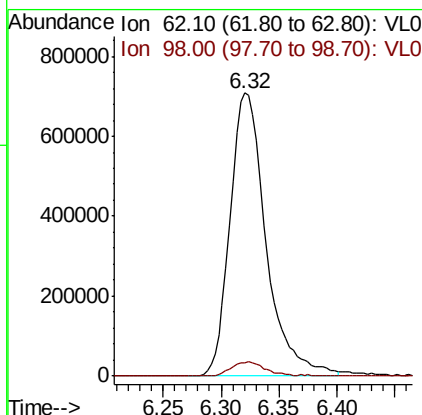
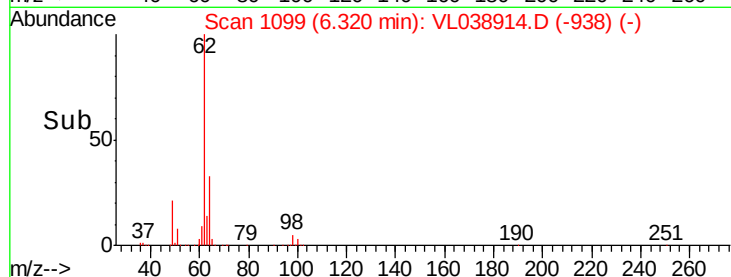
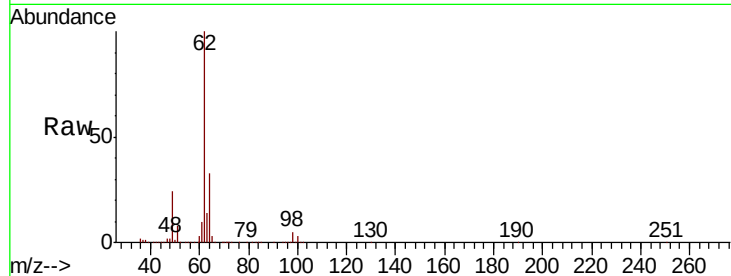
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





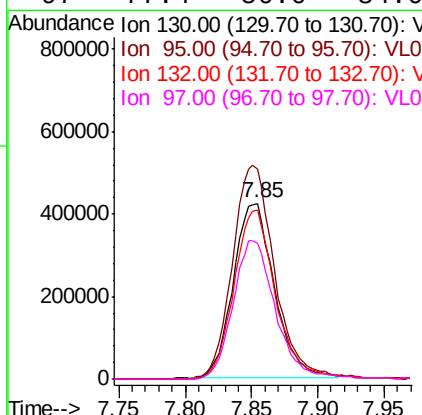
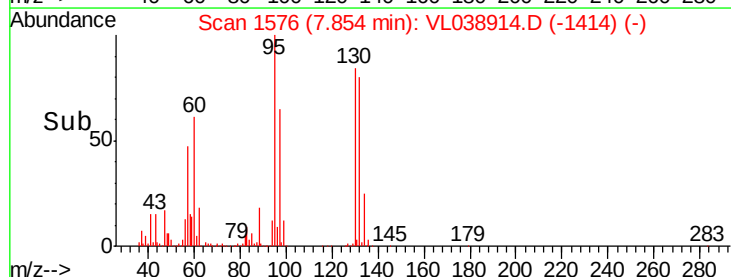
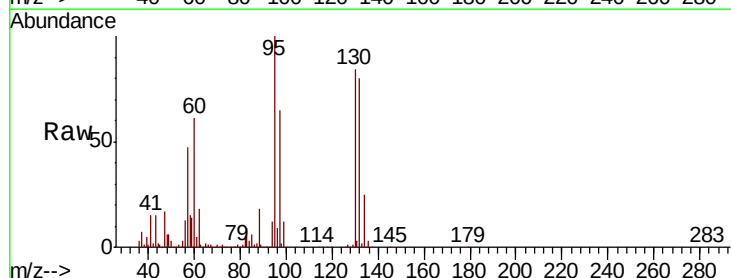
#37
 1,2-Dichloroethane
 Concen: 13.506 ppbv
 RT: 6.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 14 Apr 2022 9:42

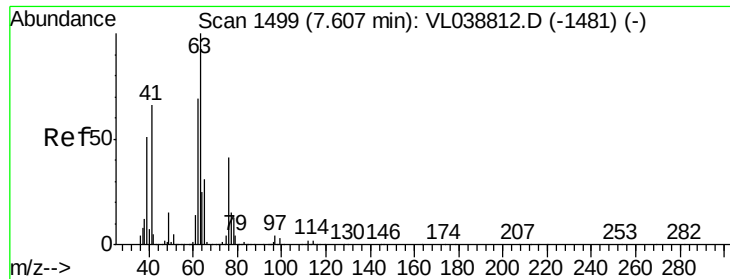
Tot Ion: 62 Resp: 1522162
 Ion Ratio Lower Upper
 62 100
 98 5.1 5.9 8.9#



#38
 Trichloroethene
 Concen: 9.088 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.02 min
 Lab File: VL038914.D
 Acq: 14 Apr 2022 9:42

Tgt Ion: 130 Resp: 919235
 Ion Ratio Lower Upper
 130 100
 95 119.7 89.4 134.0
 132 96.3 77.7 116.5
 97 77.4 56.0 84.0





#39

1,2-Dichloropropane

Concen: 9.568 ppbv

RT: 7.63 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 9:42 VSTDCCC010EC

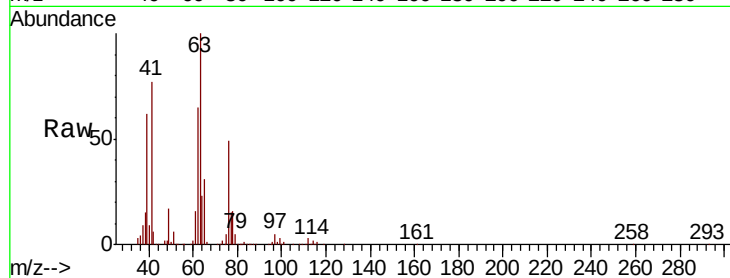
Tot Ion: 63 Resp: 902154

Ion Ratio Lower Upper

63 100

41 76.9 53.0 79.6

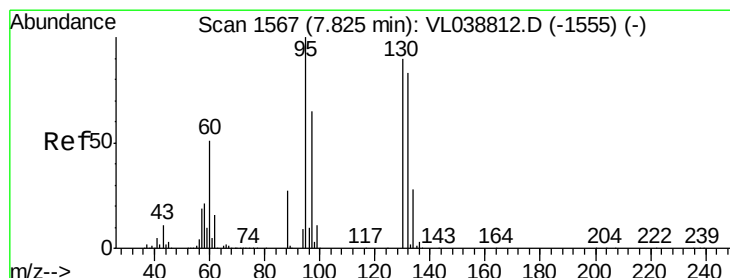
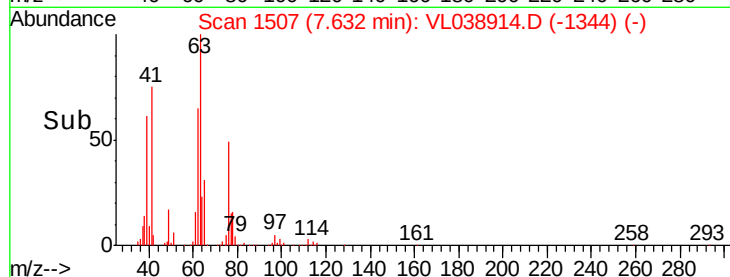
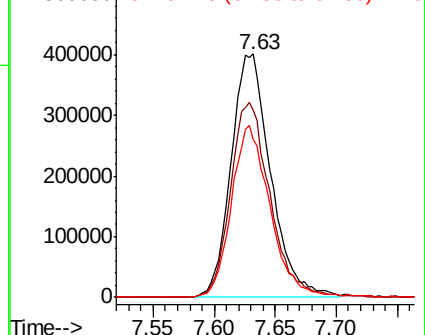
62 64.7 55.0 82.4



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: 7.374 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VL038914.D

Acq: 14 Apr 2022 9:42

Tgt Ion: 88 Resp: 236104

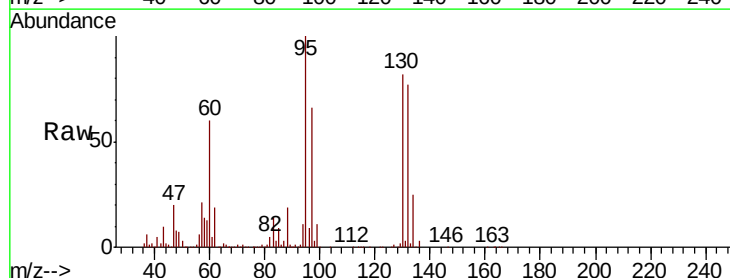
Ion Ratio Lower Upper

88 100

58 0.0 49.4 74.0#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

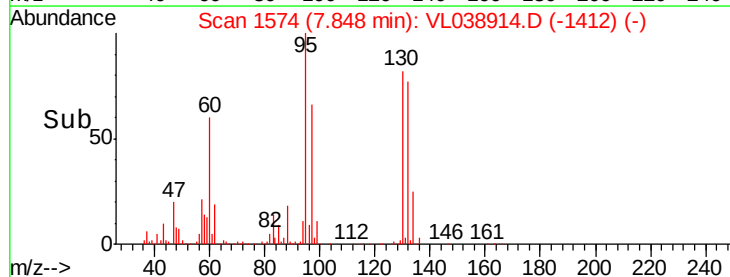
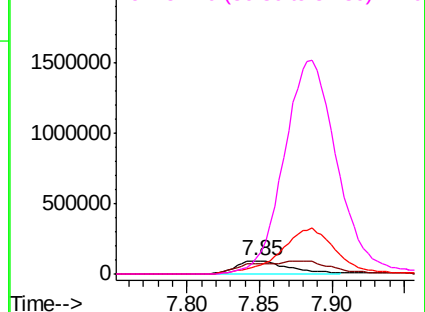


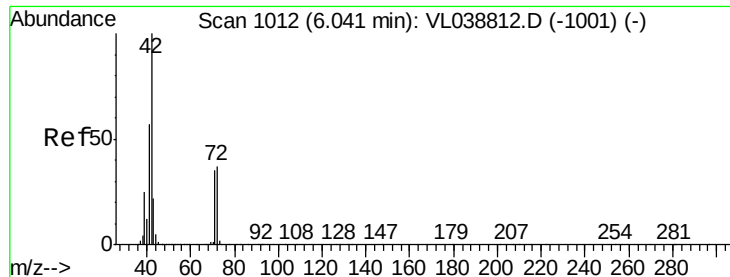
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 9.111 ppbv

RT: 6.06 Instrument: MSVOA_L

Delta R.T. 0.02 min

Lab File: ClientSampleId: VSTDCCC010EC

Acq: 14 Apr 2022 9:42

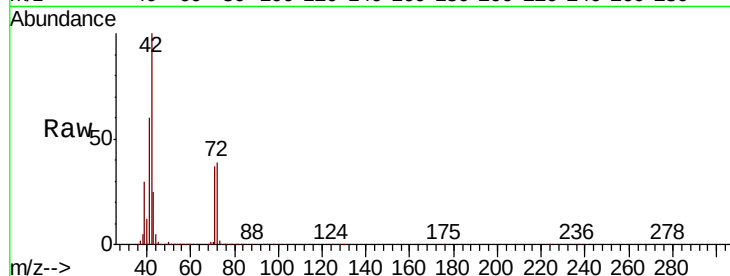
Tot Ion: 42 Resp: 926464

Ion Ratio Lower Upper

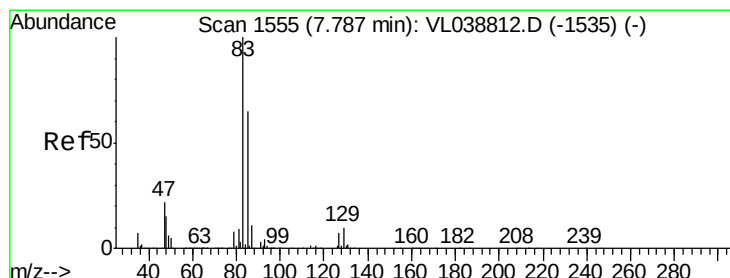
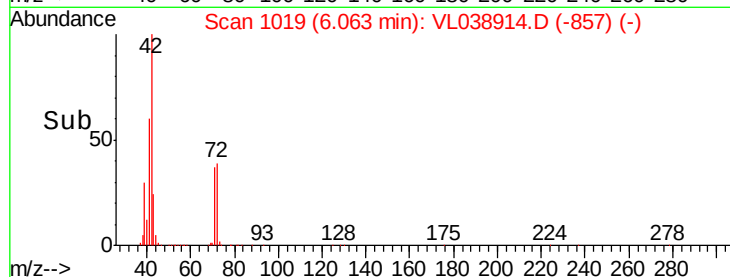
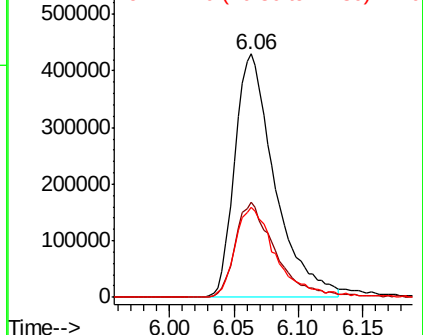
42 100

72 40.4 31.4 47.0

71 39.1 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: 11.733 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. 0.02 min

Lab File: VL038914.D

Acq: 14 Apr 2022 9:42

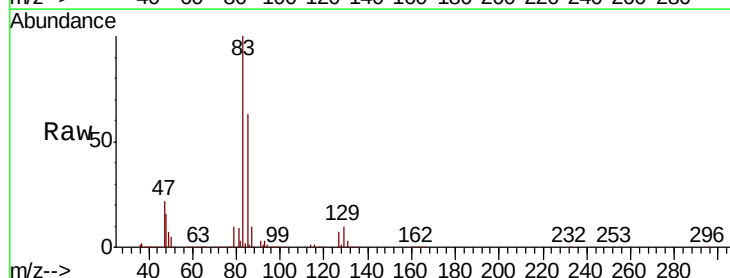
Tgt Ion: 83 Resp: 2088091

Ion Ratio Lower Upper

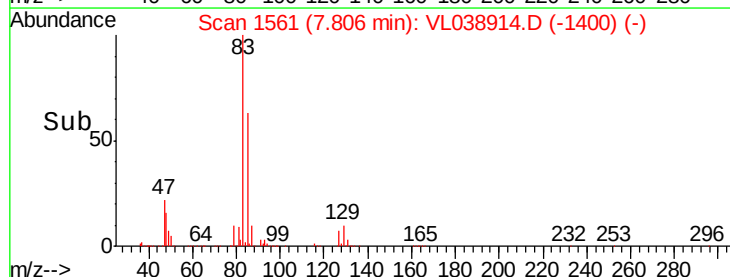
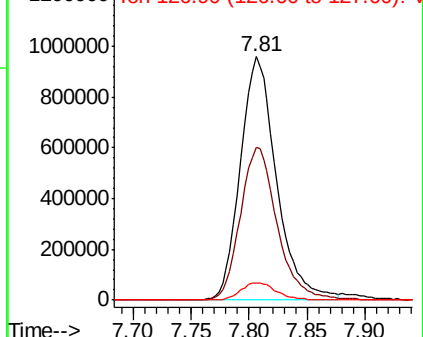
83 100

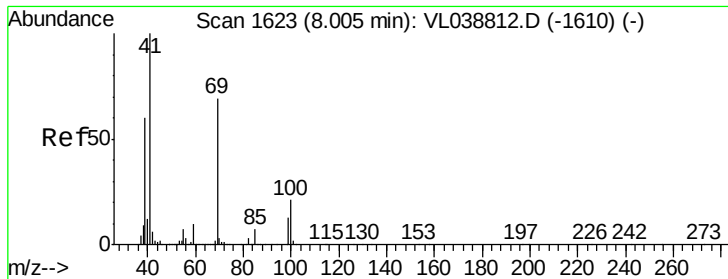
85 62.9 51.7 77.5

127 7.2 5.9 8.9



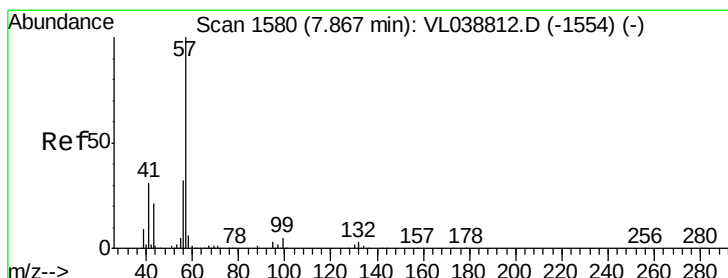
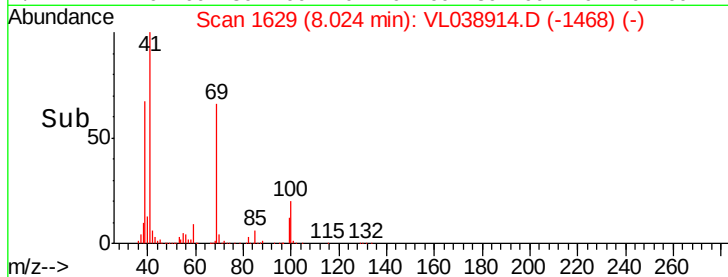
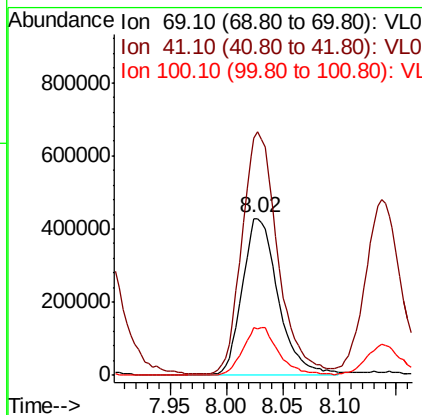
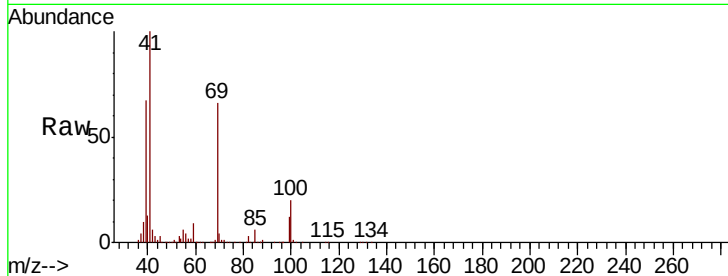
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





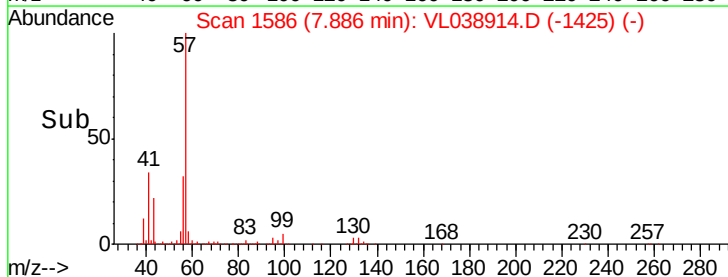
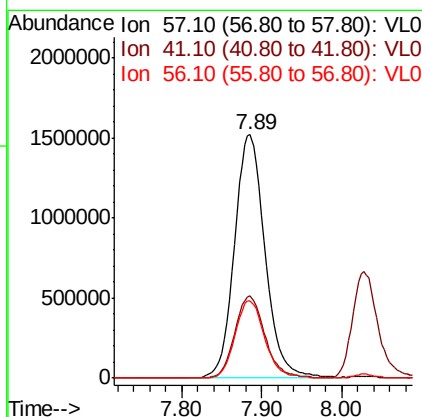
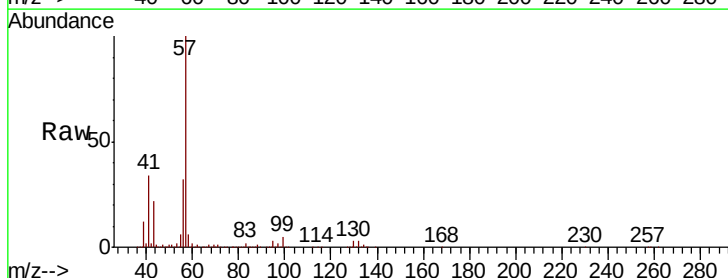
#43
Methyl Methacrylate
Concen: 10.090 ppbv
RT: 8.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 14 Apr 2022 9:42

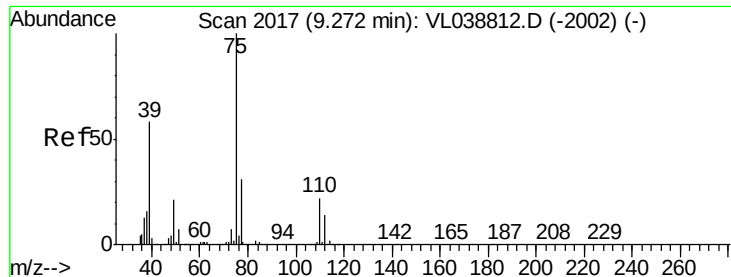
Tot Ion: 69 Resp: 952631
Ion Ratio Lower Upper
69 100
41 154.6 119.0 178.4
100 30.3 26.4 39.6



#44
2,2,4-Trimethylpentane
Concen: 9.371 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.02 min
Lab File: VL038914.D
Acq: 14 Apr 2022 9:42

Tgt Ion: 57 Resp: 3911030
Ion Ratio Lower Upper
57 100
41 33.2 25.0 37.4
56 31.0 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 10.708 ppbv

RT: 9.29 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

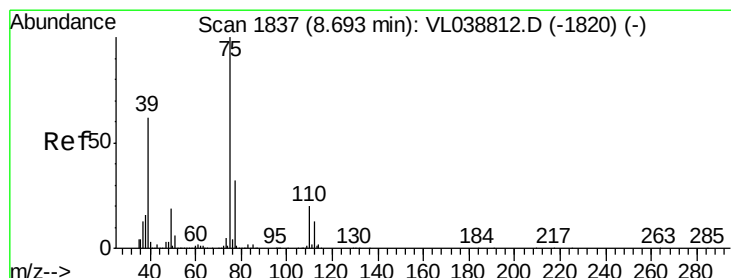
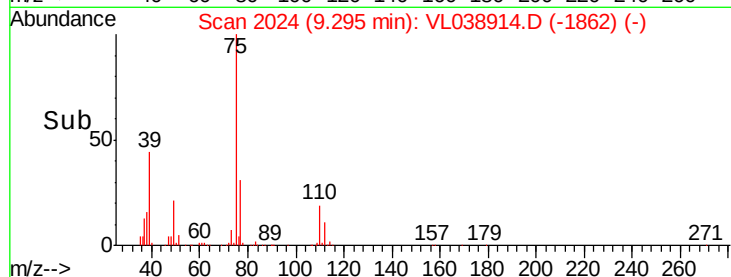
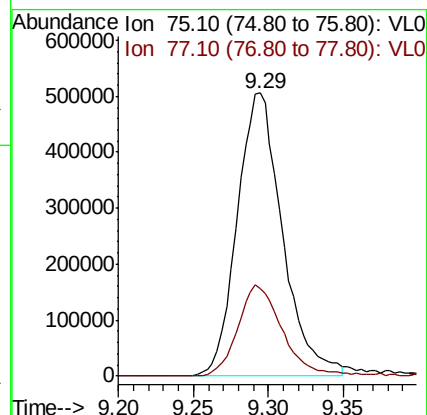
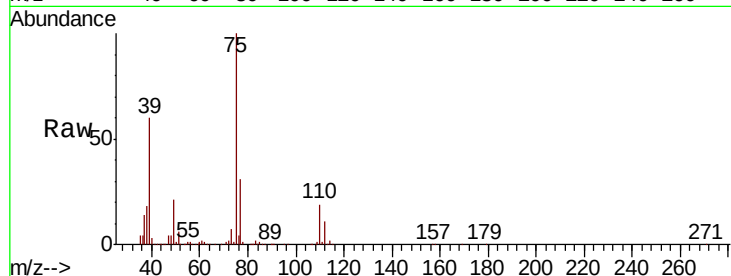
Acq: 14 Apr 2022 9:42 VSTDCCC010EC

Tot Ion: 75 Resp: 1057117

Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.4



#46

cis-1,3-Dichloropropene

Concen: 10.130 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. 0.02 min

Lab File: VL038914.D

Acq: 14 Apr 2022 9:42

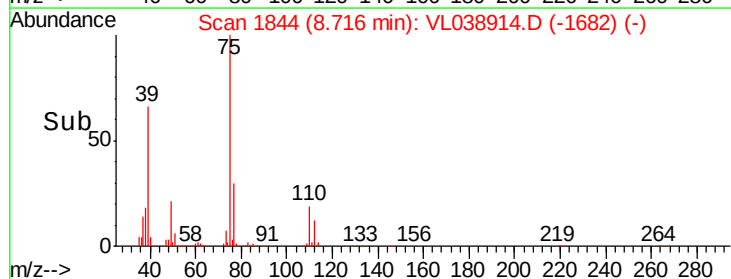
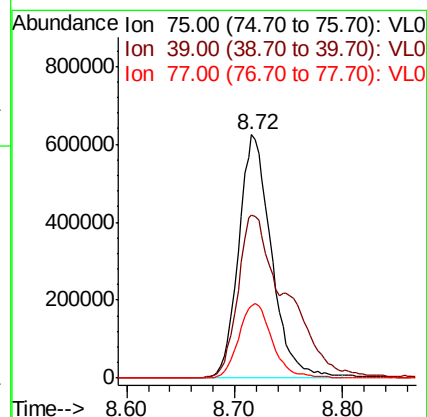
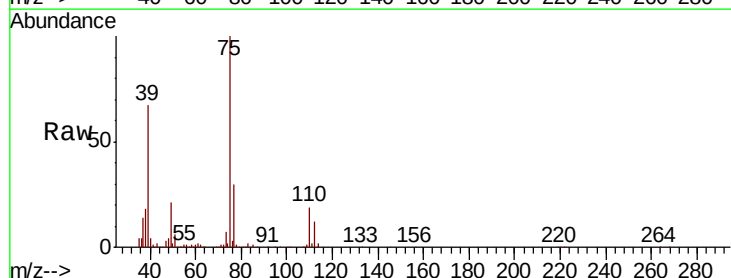
Tgt Ion: 75 Resp: 1318534

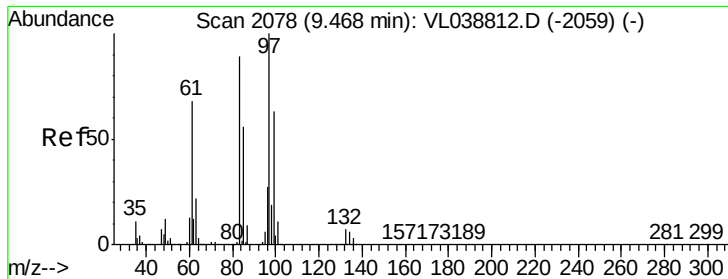
Ion Ratio Lower Upper

75 100

39 66.6 49.7 74.5

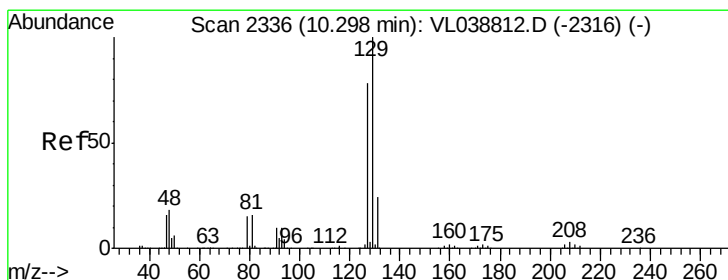
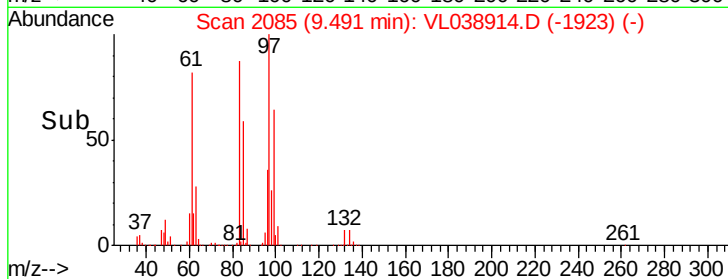
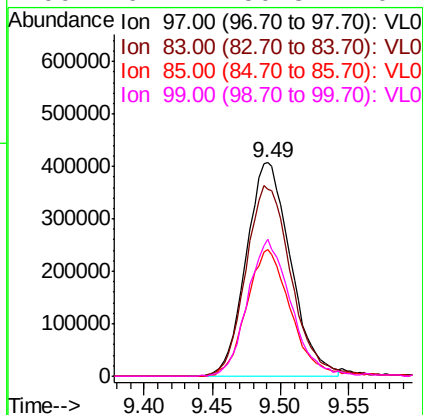
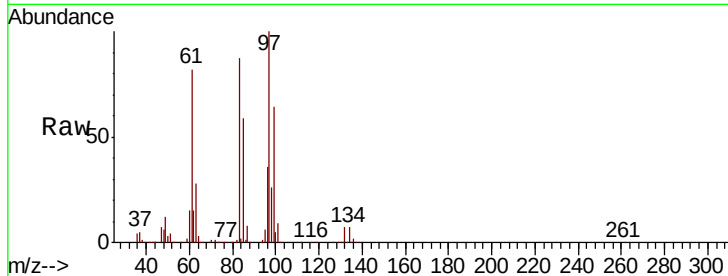
77 29.8 25.6 38.4





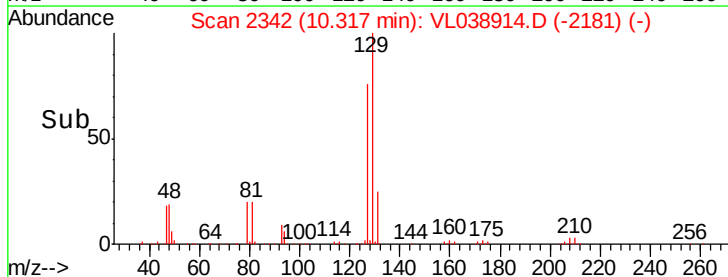
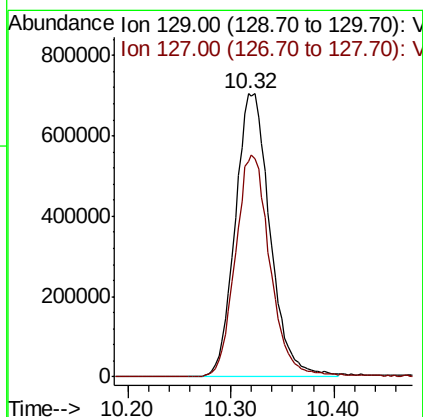
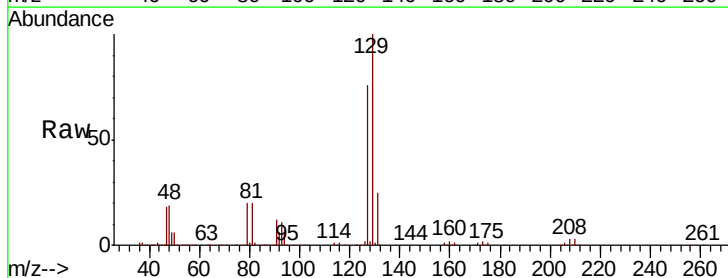
#47
 1,1,2-Trichloroethane
 Concen: 9.570 ppbv
 RT: 9.49
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 14 Apr 2022 9:42

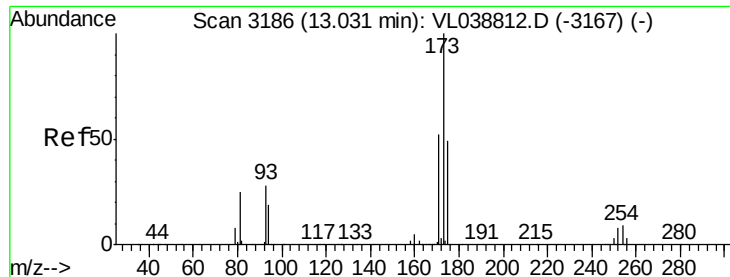
Tot Ion:	97	Resp:	924536
Ion	Ratio	Lower	Upper
97	100		
83	87.2	71.1	106.7
85	59.2	45.1	67.7
99	64.1	50.8	76.2



#48
 Dibromochloromethane
 Concen: 10.958 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.02 min
 Lab File: VL038914.D
 Acq: 14 Apr 2022 9:42

Tgt Ion:	129	Resp:	1659295
Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.9	116.6





#49

Bromoform

Concen: 10.893 ppbv

RT: 13.06

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Apr 2022 9:42

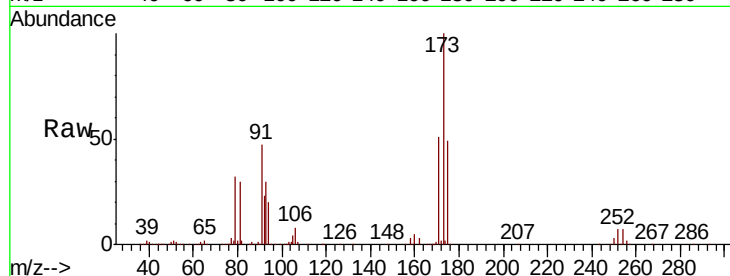
Tot Ion:173 Resp: 1306368

Ion Ratio Lower Upper

173 100

175 51.9 39.9 59.9

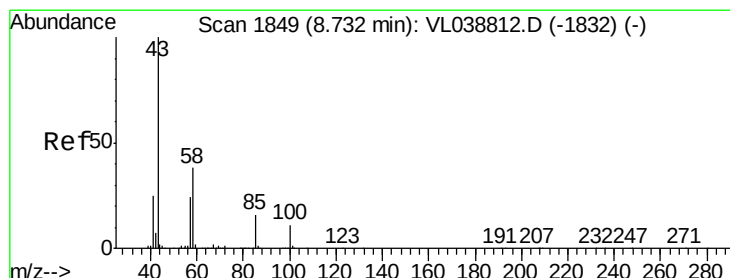
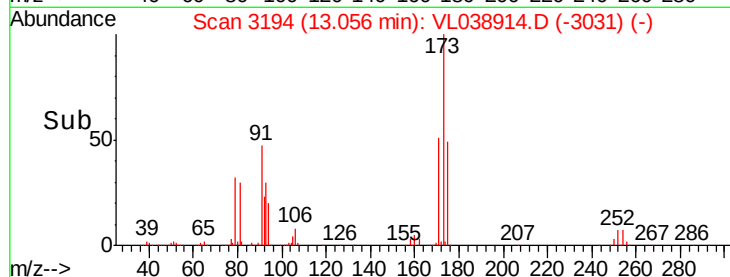
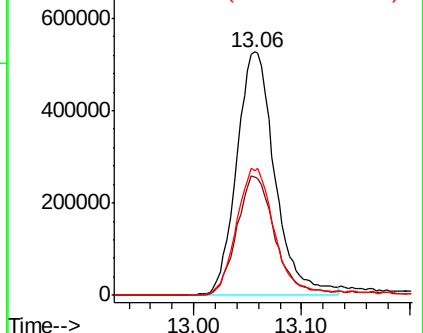
171 54.2 43.4 65.0



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: 9.849 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.02 min

Lab File: VL038914.D

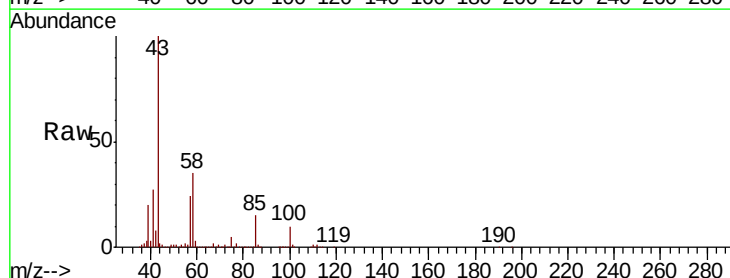
Acq: 14 Apr 2022 9:42

Tgt Ion: 43 Resp: 2372037

Ion Ratio Lower Upper

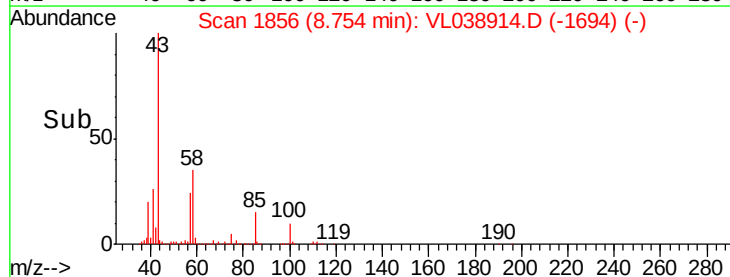
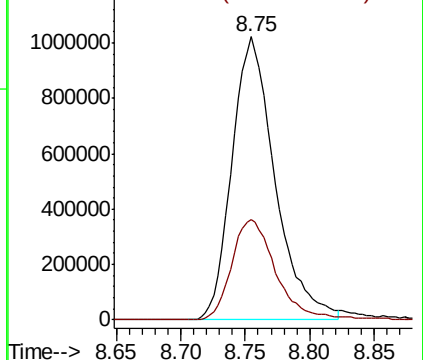
43 100

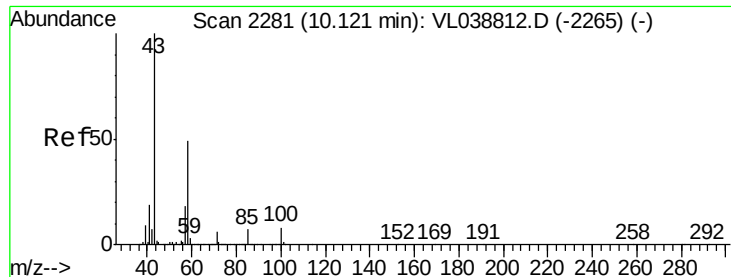
58 36.8 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

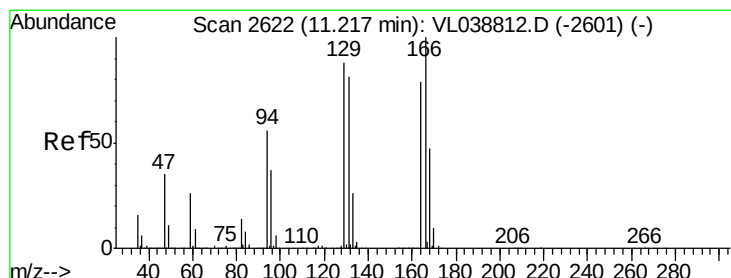
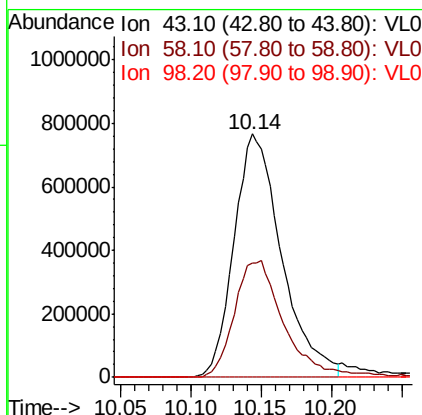
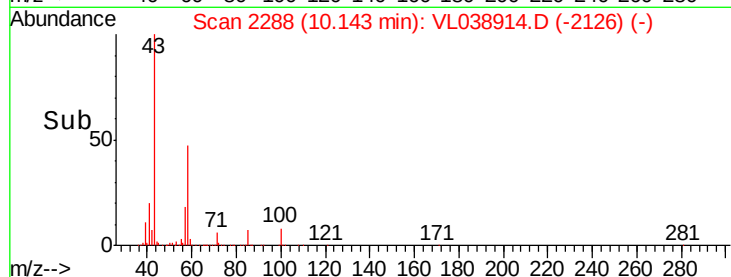
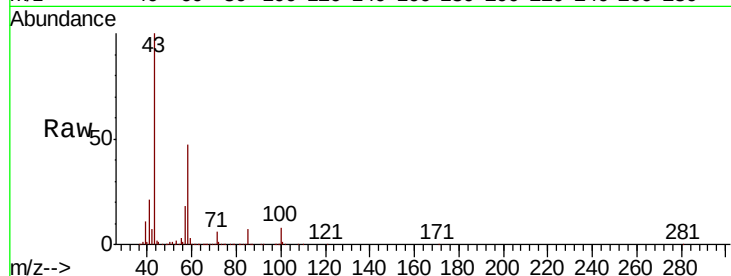
Ion 58.10 (57.80 to 58.80): VL0





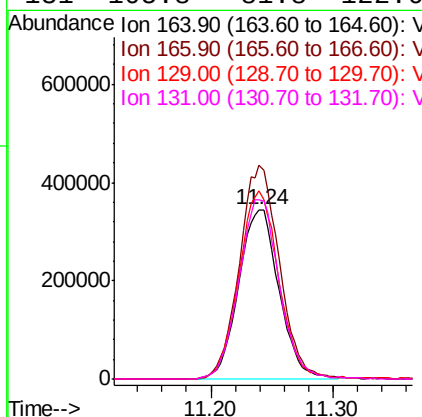
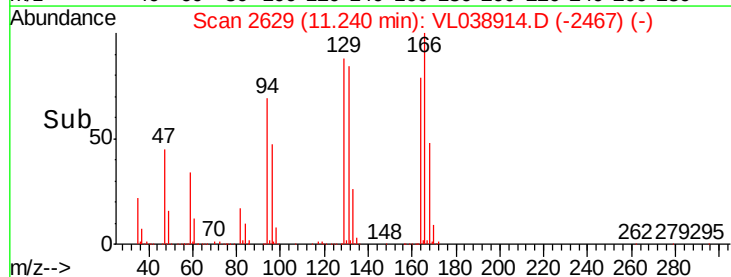
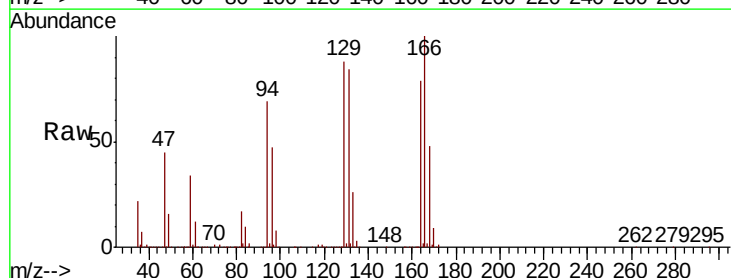
#51
2-Hexanone
Concen: 9.966 ppbv
RT: 10.14 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Apr 2022 9:42

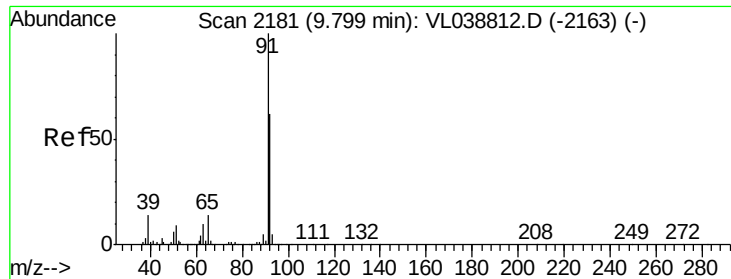
Tot Ion: 43 Resp: 1808513
Ion Ratio Lower Upper
43 100
58 50.9 41.4 62.0
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.096 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. 0.02 min
Lab File: VL038914.D
Acq: 14 Apr 2022 9:42

Tgt Ion: 164 Resp: 783188
Ion Ratio Lower Upper
164 100
166 126.1 101.0 151.6
129 110.8 88.7 133.1
131 105.8 81.8 122.6





#53

Toluene

Concen: 9.173 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

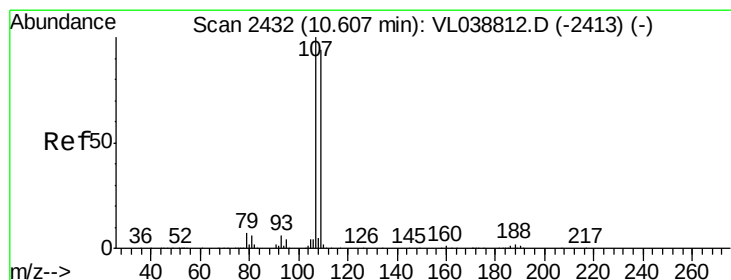
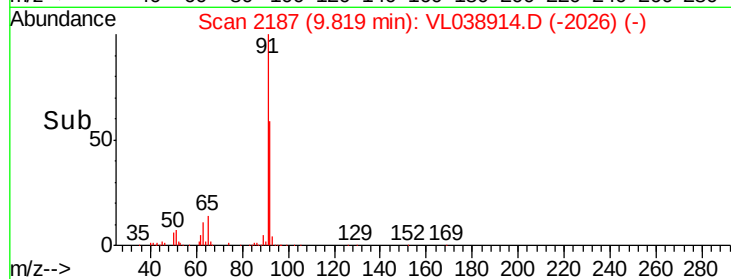
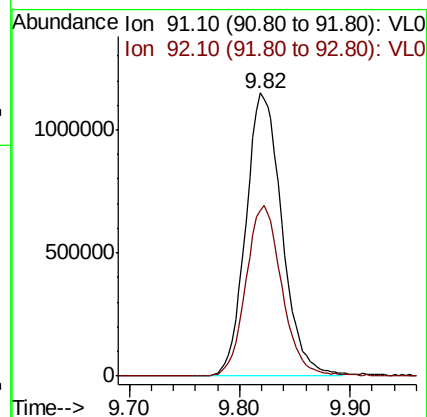
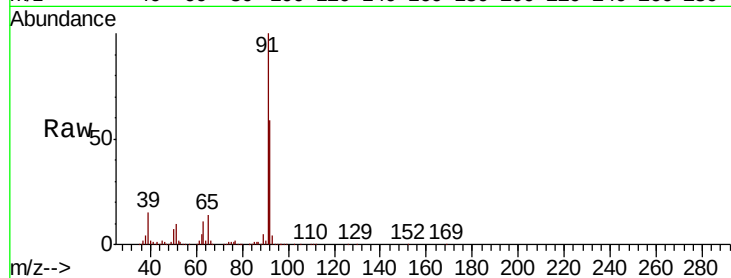
Acq: 14 Apr 2022 9:42 VSTDCCC010EC

Tot Ion: 91 Resp: 2610246

Ion Ratio Lower Upper

91 100

92 60.2 49.2 73.8



#54

1,2-Dibromoethane

Concen: 10.212 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. 0.02 min

Lab File: VL038914.D

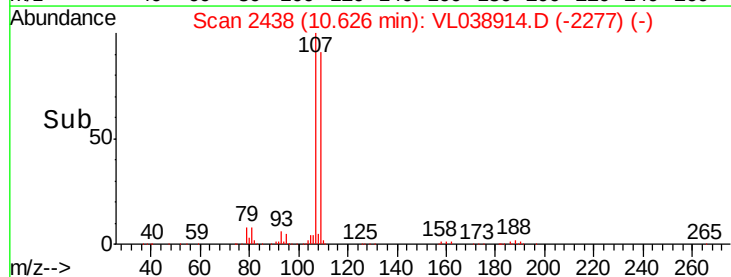
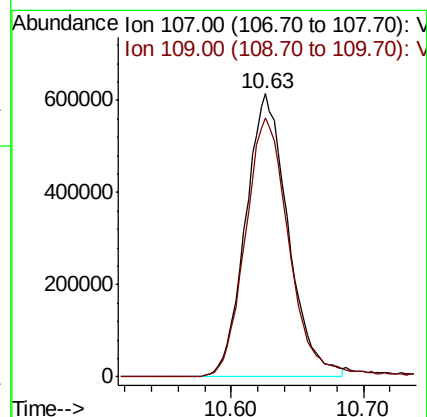
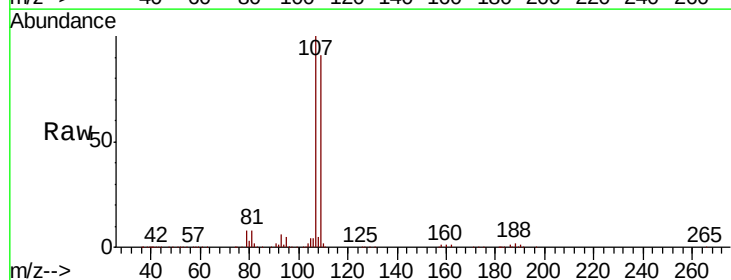
Acq: 14 Apr 2022 9:42

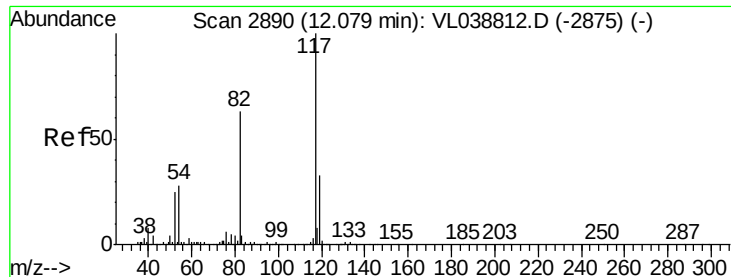
Tgt Ion:107 Resp: 1370457

Ion Ratio Lower Upper

107 100

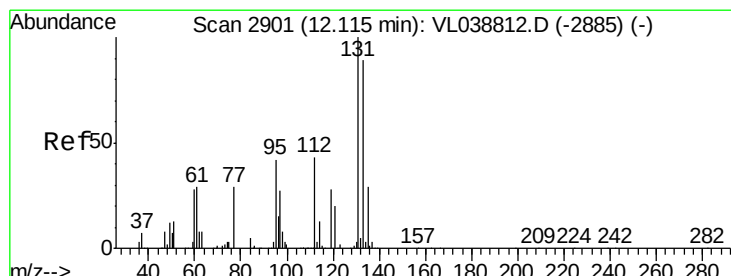
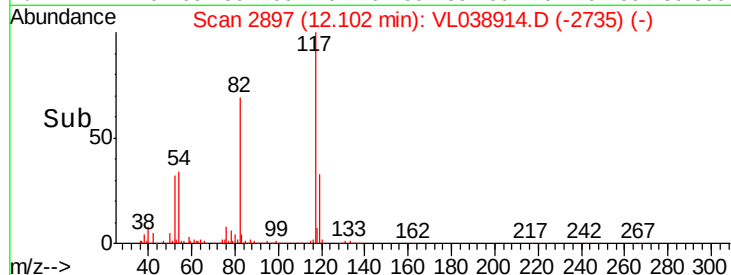
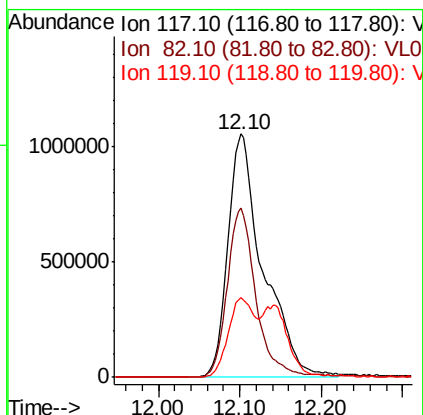
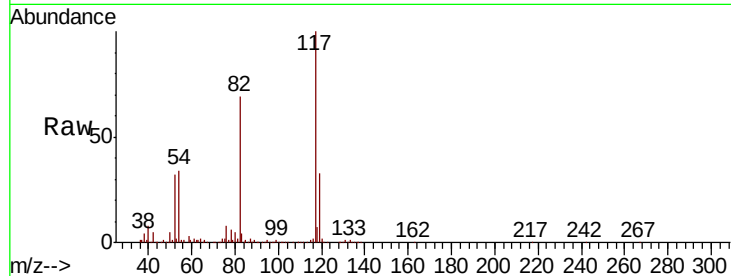
109 91.3 75.5 113.3





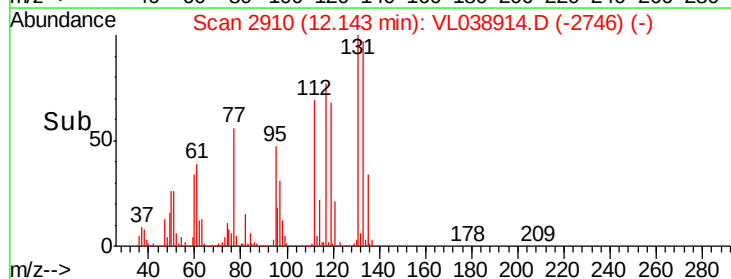
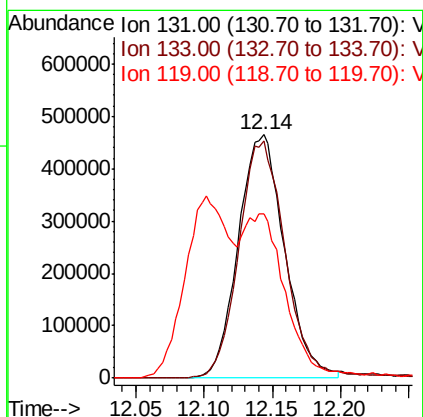
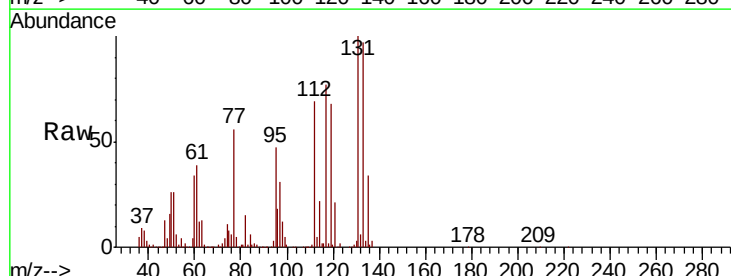
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Apr 2022 9:42

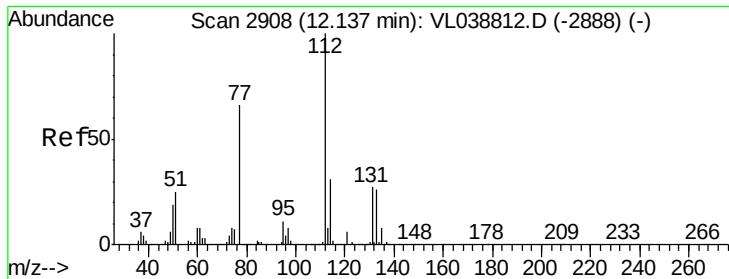
Tot Ion:117 Resp: 3189771
Ion Ratio Lower Upper
117 100
82 58.3 53.0 79.6
119 23.8 24.9 37.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.844 ppbv
RT: 12.14 min Scan# 2910
Delta R.T.: 0.03 min
Lab File: VL038914.D
Acq: 14 Apr 2022 9:42

Tgt Ion:131 Resp: 1096491
Ion Ratio Lower Upper
131 100
133 99.5 78.2 117.4
119 57.1 58.6 87.8#





#57

Chlorobenzene

Concen: 7.055 ppbv

RT: 12.16

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 9:42

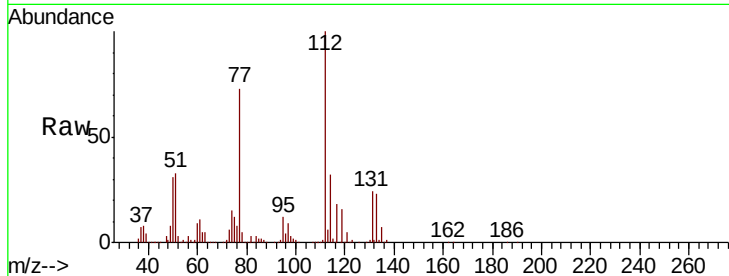
Tot Ion: 112 Resp: 1843184

Ion Ratio Lower Upper

112 100

77 71.6 52.4 78.6

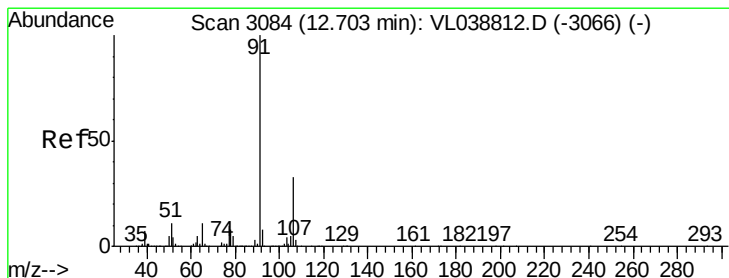
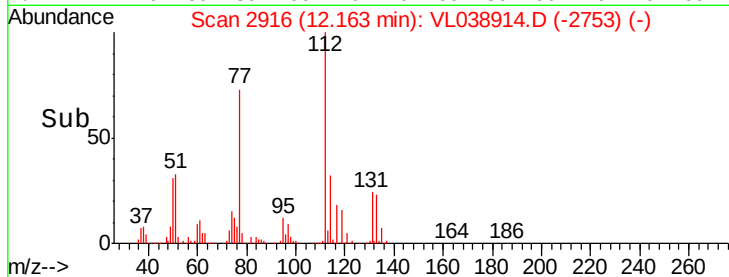
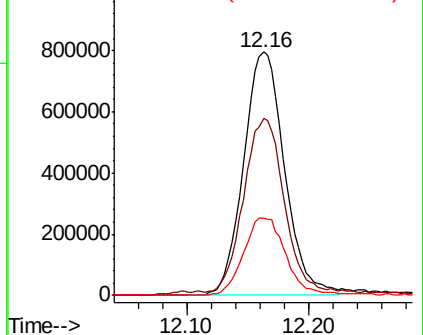
114 31.9 28.1 34.3



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: 7.509 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. 0.02 min

Lab File: VL038914.D

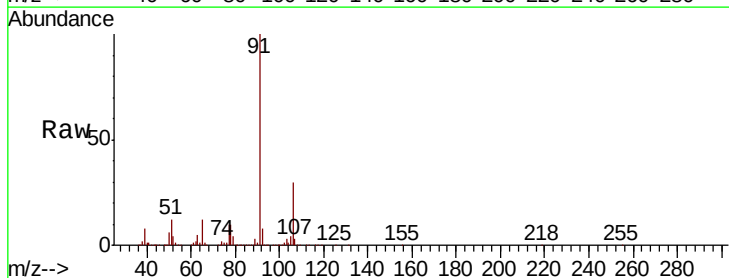
Acq: 14 Apr 2022 9:42

Tgt Ion: 91 Resp: 3578984

Ion Ratio Lower Upper

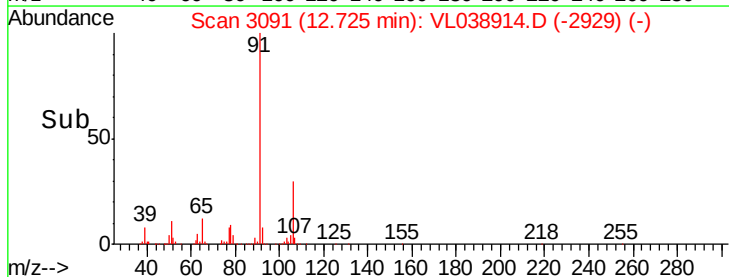
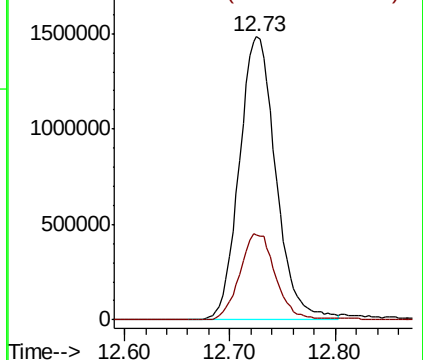
91 100

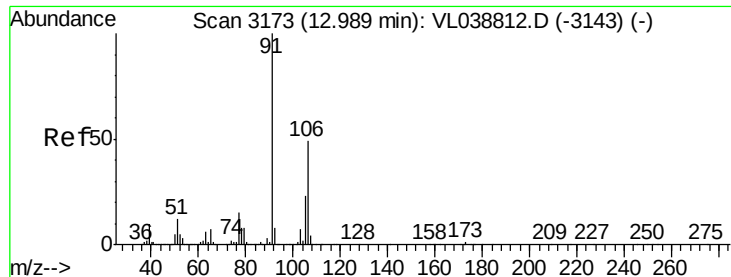
106 29.9 26.7 40.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

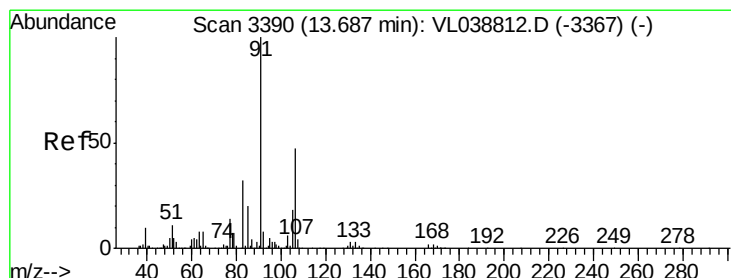
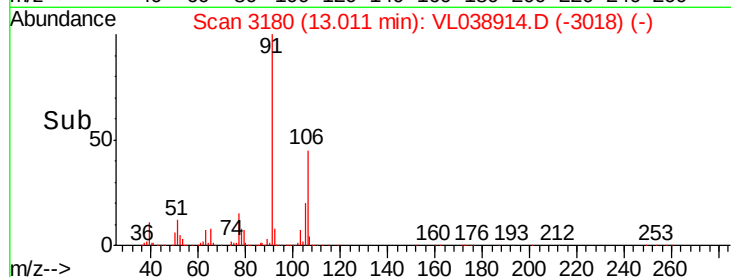
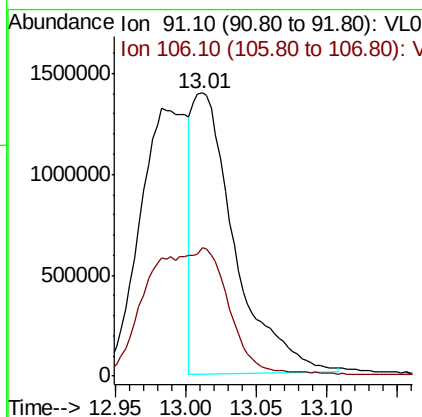
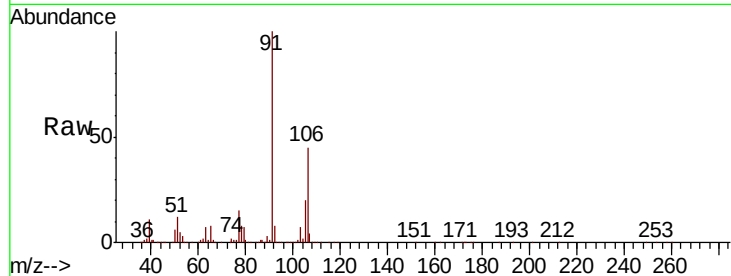
Ion 106.10 (105.80 to 106.80): V





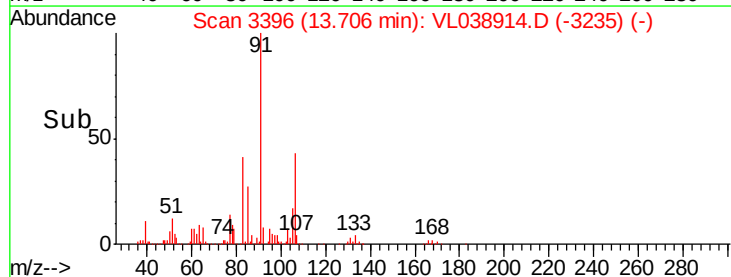
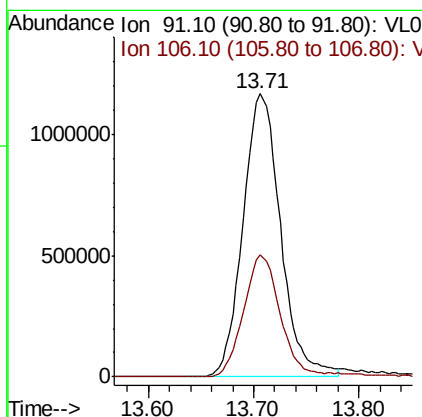
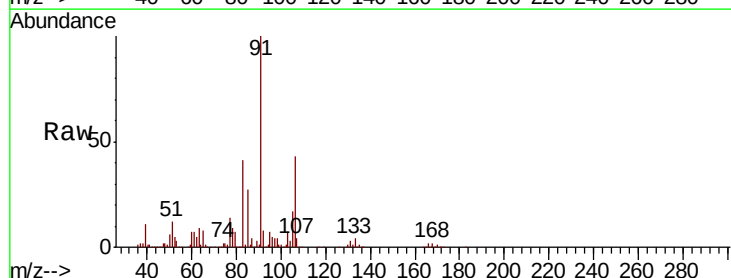
#59
m/p-Xylene
Concen: 7.267 ppbv
RT: 13.01 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Apr 2022 9:42

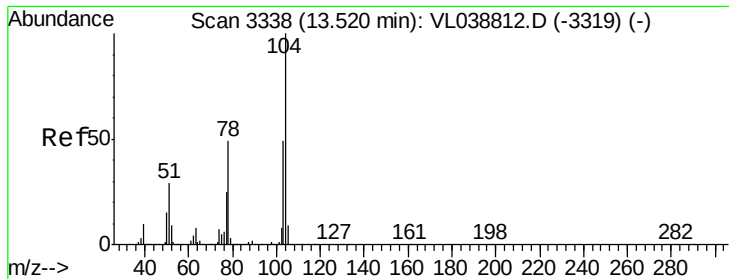
Tot Ion: 91 Resp: 2910140
Ion Ratio Lower Upper
91 100
106 90.6 37.1 55.7#



#60
o-Xylene
Concen: 7.752 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.02 min
Lab File: VL038914.D
Acq: 14 Apr 2022 9:42

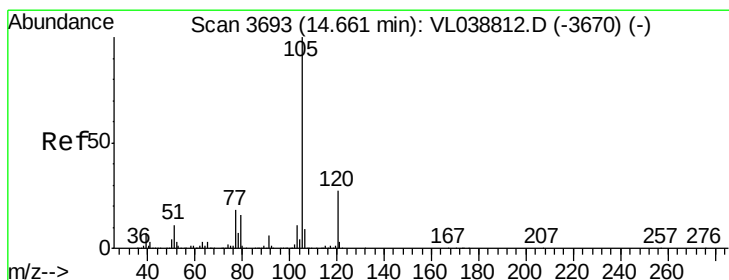
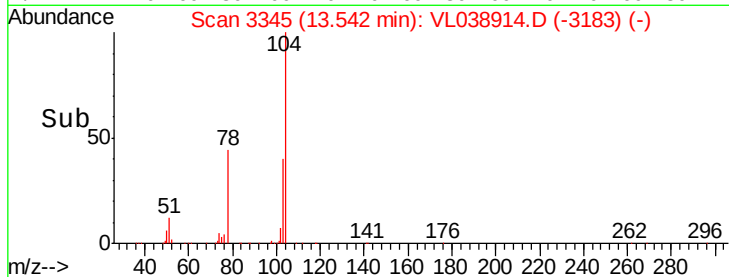
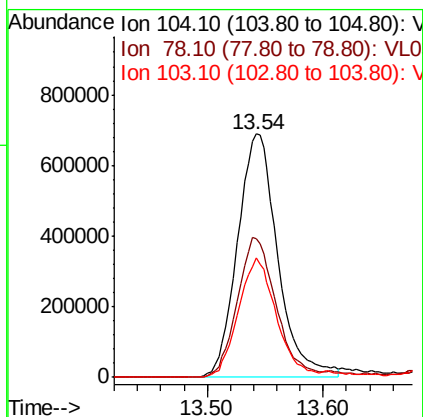
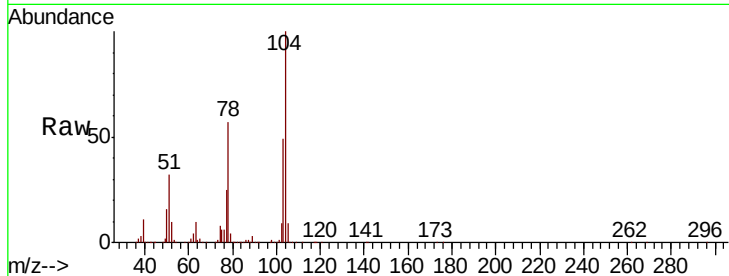
Tgt Ion: 91 Resp: 2904778
Ion Ratio Lower Upper
91 100
106 43.7 23.8 71.4





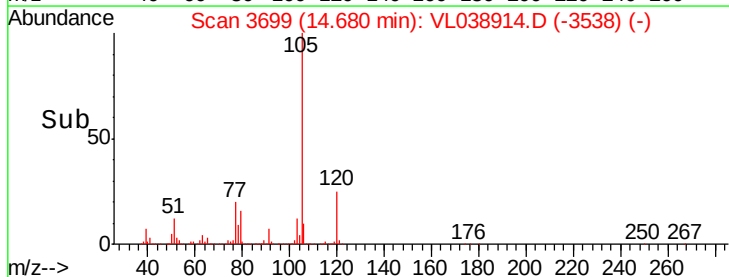
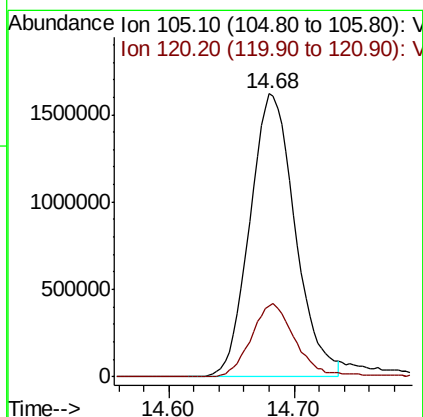
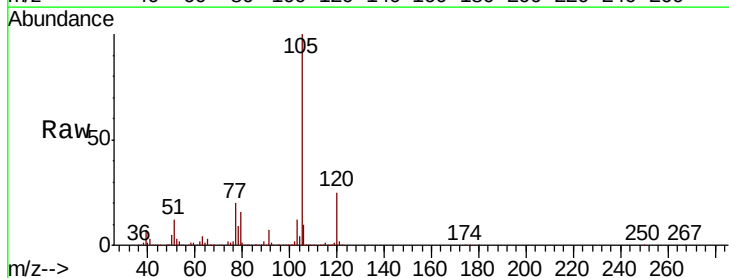
#61
Stvrene
Concen: 7.263 ppbv
RT: 13.54 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Apr 2022 9:42

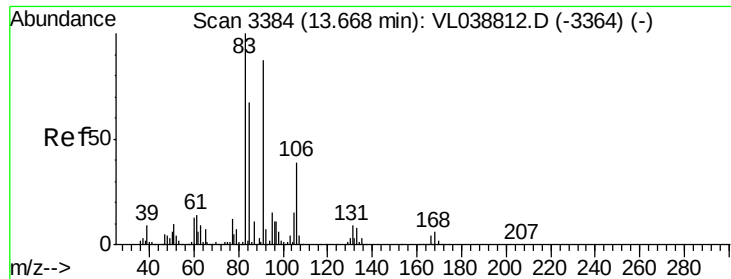
Tot Ion:104 Resp: 1658135
Ion Ratio Lower Upper
104 100
78 57.6 40.5 60.7
103 48.4 39.0 58.4



#62
Isopropylbenzene
Concen: 7.223 ppbv
RT: 14.68 min Scan# 3699
Delta R.T. 0.02 min
Lab File: VL038914.D
Acq: 14 Apr 2022 9:42

Tgt Ion:105 Resp: 4062237
Ion Ratio Lower Upper
105 100
120 26.0 21.8 32.8

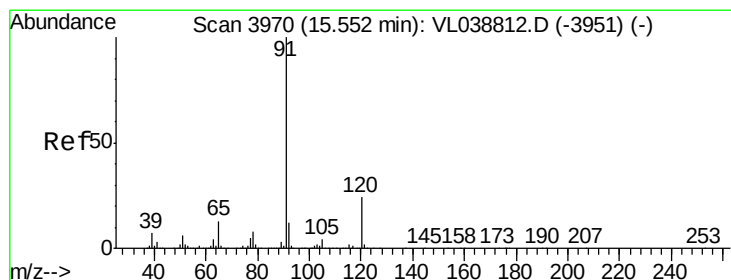
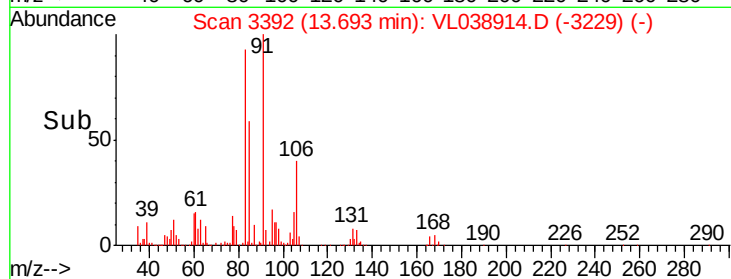
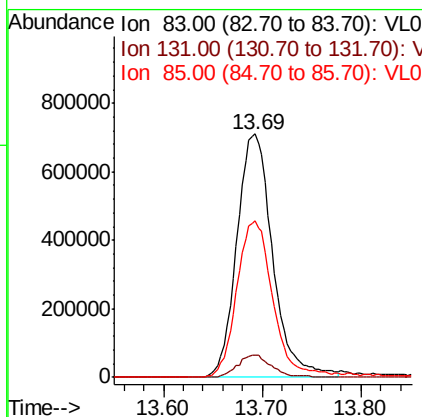
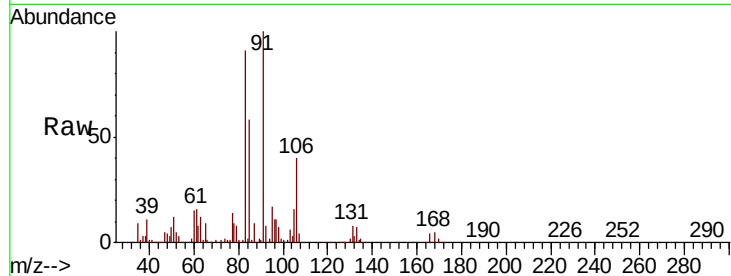




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.556 ppbv
 RT: 13.69 min
 Delta R.T. 0.03 min
 Lab File: VL038914.D
 Acq: 14 Apr 2022 9:42

Tot Ion: 83 Resp: 1793332

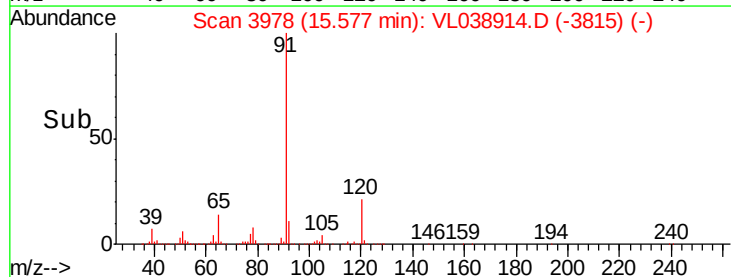
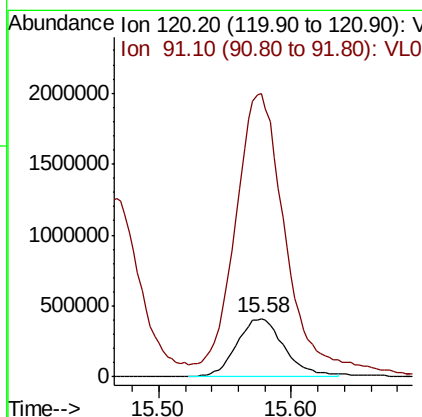
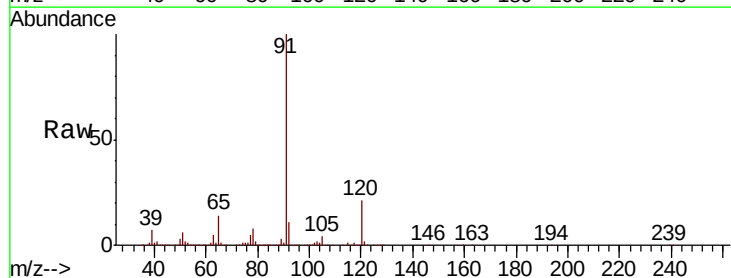
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.6	13.8
85	66.3	33.0	99.0

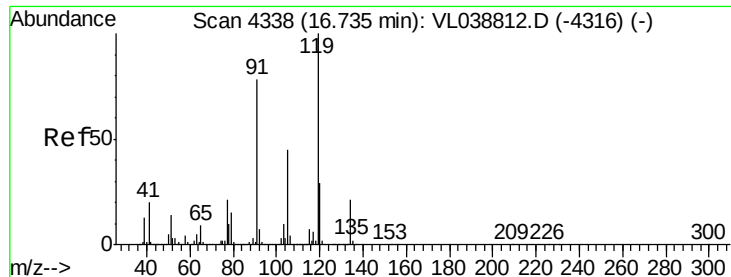


#64
 n-propylbenzene
 Concen: 7.026 ppbv
 RT: 15.58 min Scan# 3978
 Delta R.T. 0.03 min
 Lab File: VL038914.D
 Acq: 14 Apr 2022 9:42

Tgt Ion: 120 Resp: 1026114

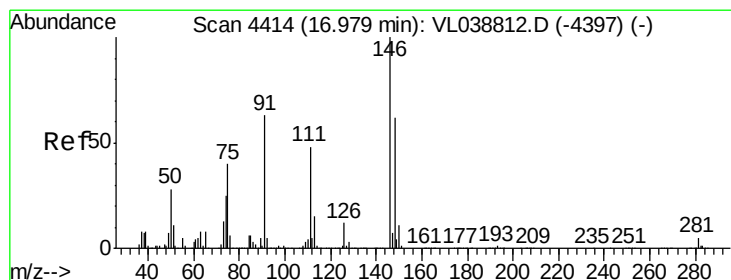
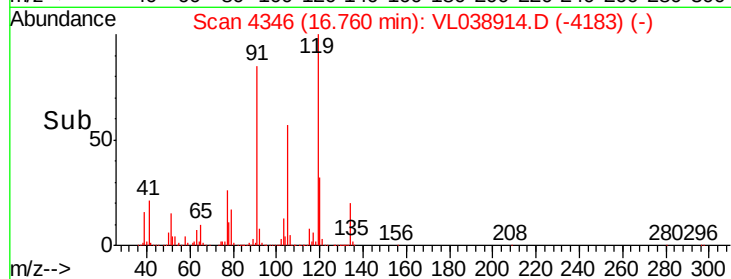
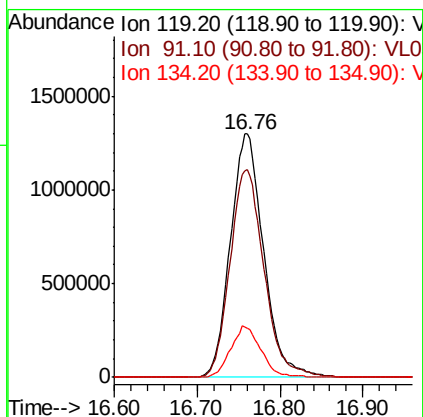
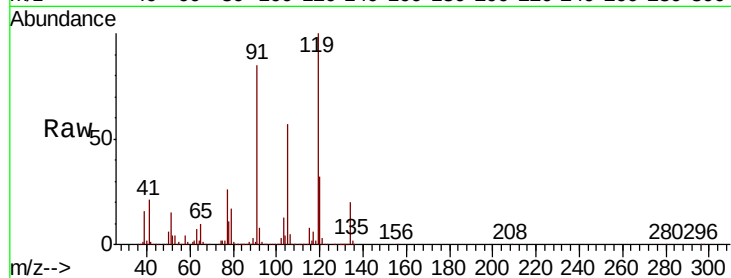
Ion	Ratio	Lower	Upper
120	100		
91	527.7	360.6	540.8





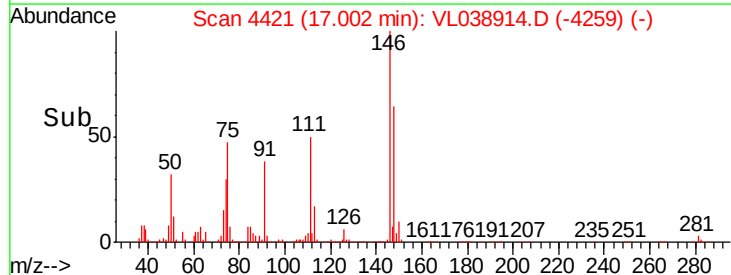
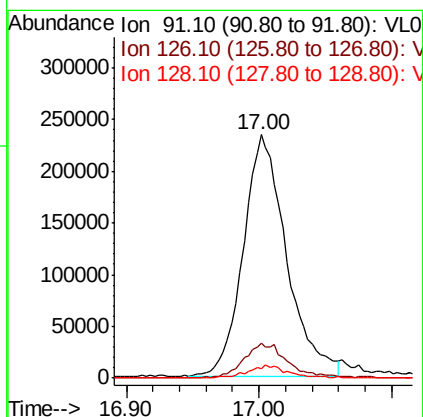
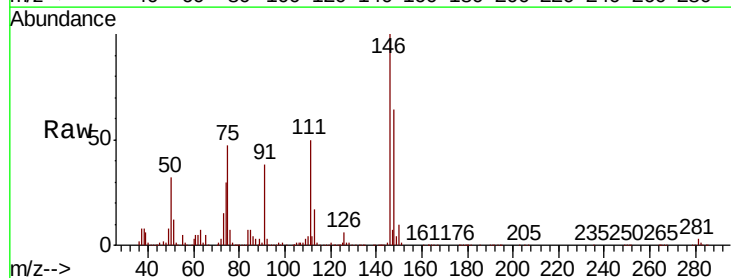
#65
 tert-Butylbenzene
 Concen: 7.243 ppbv
 RT: 16.76 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 14 Apr 2022 9:42

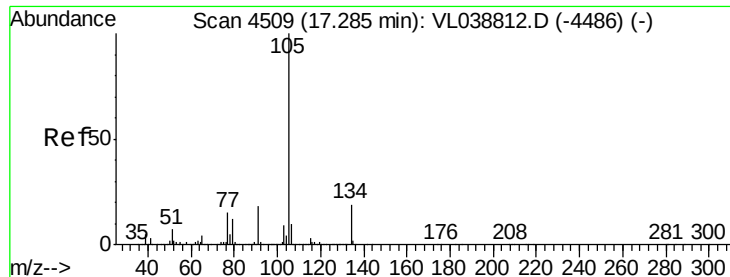
Tot Ion: 119 Resp: 3614019
 Ion Ratio Lower Upper
 119 100
 91 87.6 62.8 94.2
 134 19.3 16.2 24.4



#66
 Benzyl Chloride
 Concen: 5.210 ppbv
 RT: 17.00 min Scan# 4421
 Delta R.T. 0.02 min
 Lab File: VL038914.D
 Acq: 14 Apr 2022 9:42

Tgt Ion: 91 Resp: 529326
 Ion Ratio Lower Upper
 91 100
 126 15.3 15.4 23.0#
 128 5.1 4.7 7.1





#67

sec-Butylbenzene

Concen: 7.427 ppbv

RT: 17.31

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

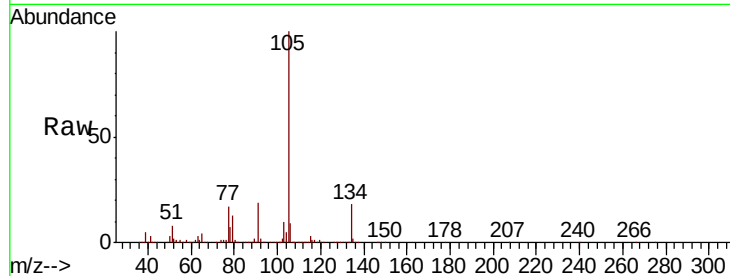
Acq: 14 Apr 2022 9:42

Tot Ion: 105 Resp: 5200196

Ion Ratio Lower Upper

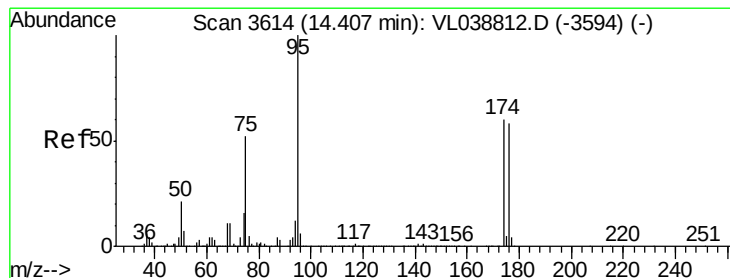
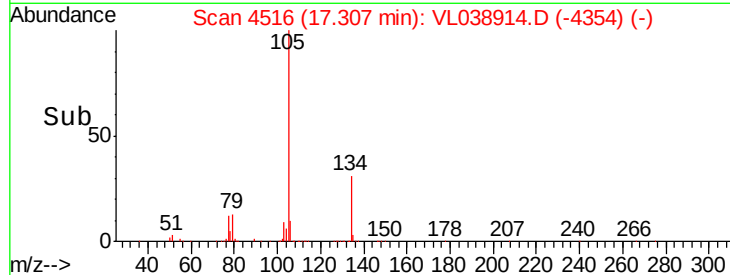
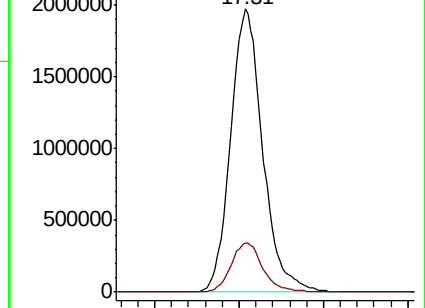
105 100

134 17.4 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: 8.571 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. 0.03 min

Lab File: VL038914.D

Acq: 14 Apr 2022 9:42

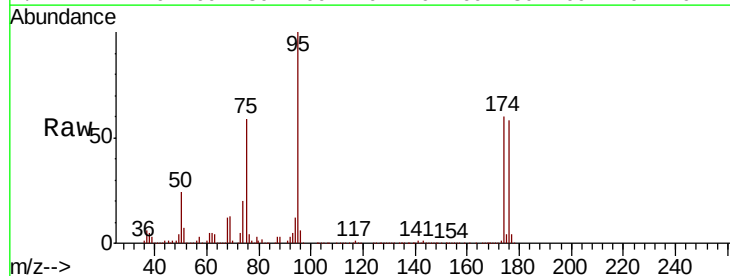
Tgt Ion: 95 Resp: 2073749

Ion Ratio Lower Upper

95 100

174 63.0 52.0 78.0

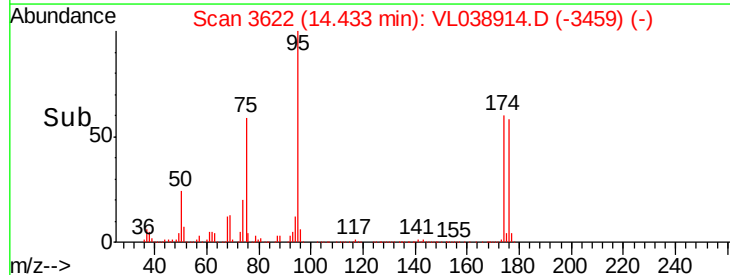
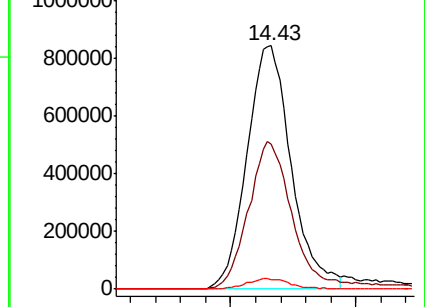
175 4.6 4.0 6.0

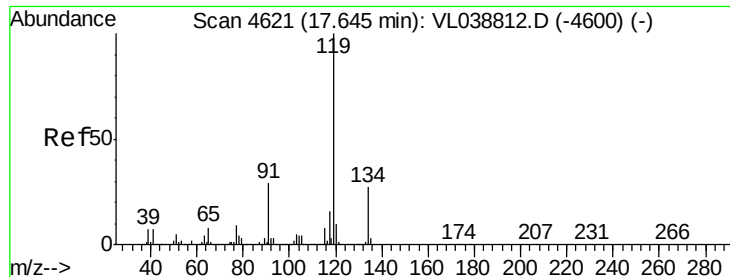


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

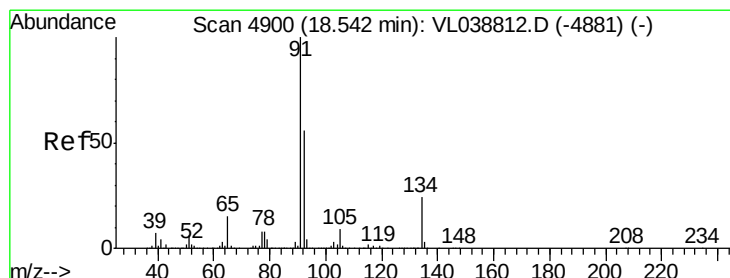
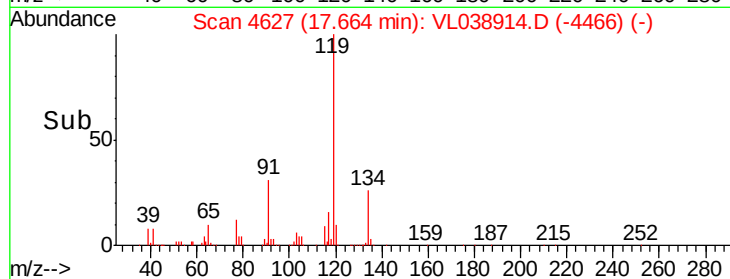
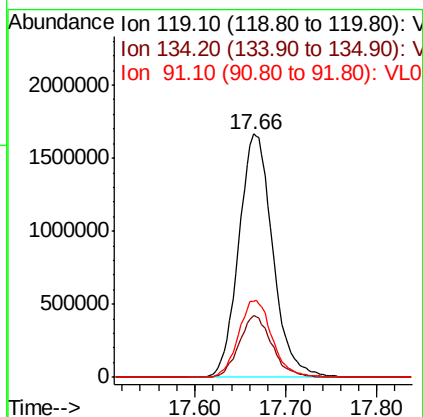
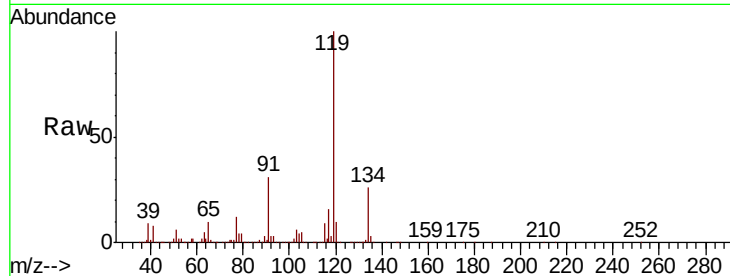
Ion 175.00 (174.70 to 175.70): V





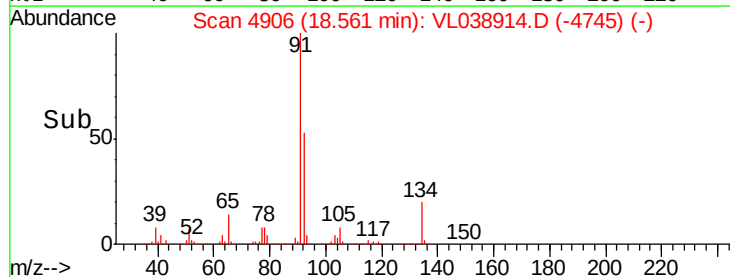
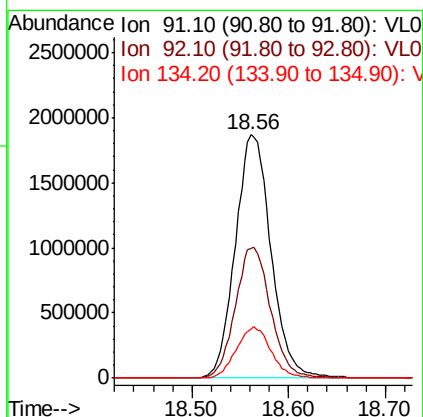
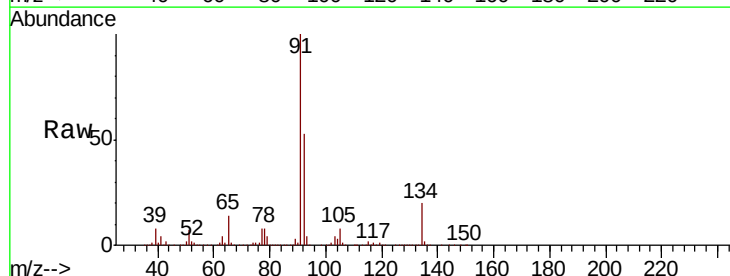
#69
 p-Isopropyltoluene
 Concen: 7.488 ppbv
 RT: 17.66 min
 Delta R.T. 0.02 min
 Lab File: VL038914.D
 Acq: 14 Apr 2022 9:42

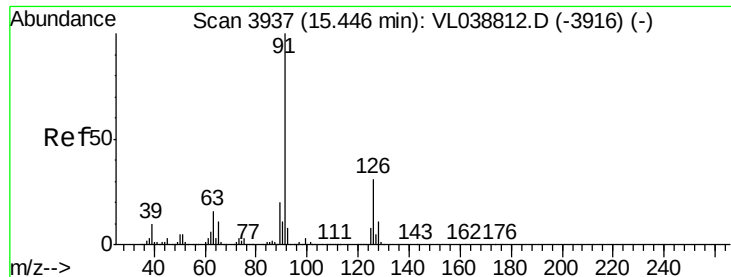
Tot Ion: 119	Resp: 4304849
Ion Ratio	Lower Upper
119 100	
134 24.7	20.8 31.2
91 31.5	22.6 34.0



#70
 n-Butylbenzene
 Concen: 8.248 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. 0.02 min
 Lab File: VL038914.D
 Acq: 14 Apr 2022 9:42

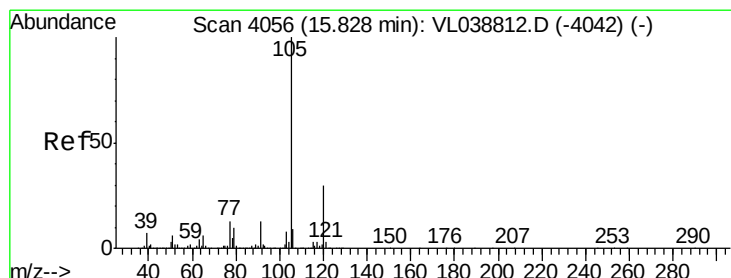
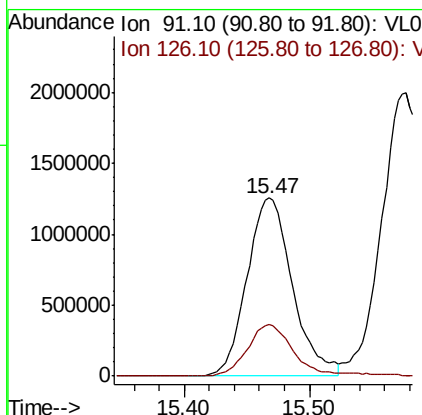
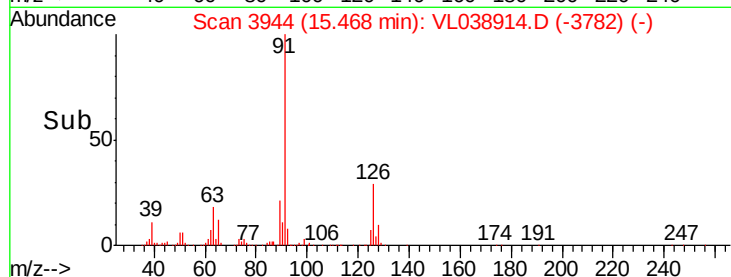
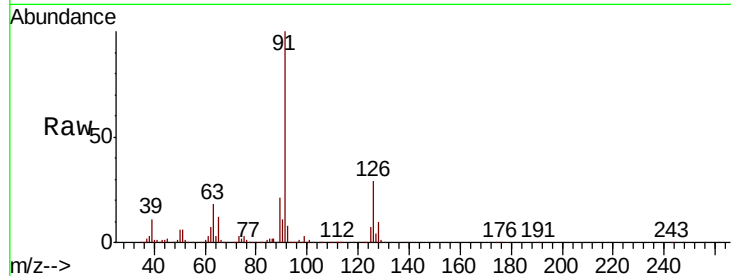
Tgt Ion	91	Resp: 4777124	
Ion	Ratio	Lower	Upper
91	100		
92	53.5	44.6	66.8
134	20.7	19.2	28.8





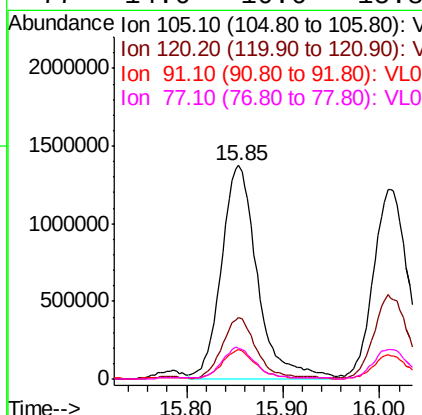
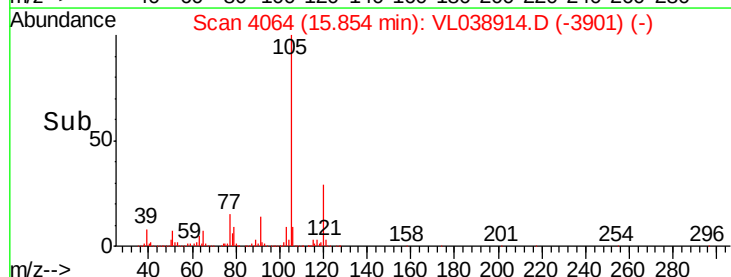
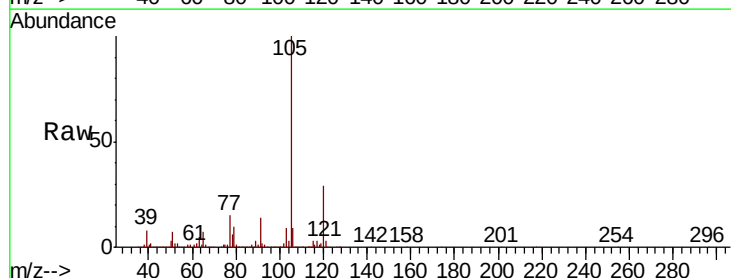
#71
 2-Chlorotoluene
 Concen: 7.495 ppbv
 RT: 15.47 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 14 Apr 2022 9:42

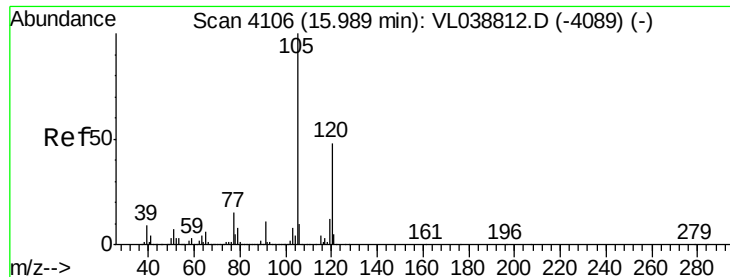
Tot Ion: 91 Resp: 3169902
 Ion Ratio Lower Upper
 91 100
 126 30.4 13.0 51.8



#72
 4-Ethyltoluene
 Concen: 7.938 ppbv
 RT: 15.85 min Scan# 4064
 Delta R.T.: 0.03 min
 Lab File: VL038914.D
 Acq: 14 Apr 2022 9:42

Tgt Ion:105 Resp: 3551982
 Ion Ratio Lower Upper
 105 100
 120 27.9 24.3 36.5
 91 12.7 9.4 14.2
 77 14.6 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 7.708 ppbv

RT: 16.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

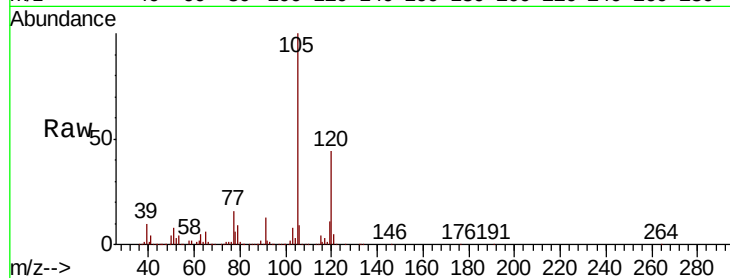
Acq: 14 Apr 2022 9:42

Tot Ion:105 Resp: 3098029

Ion Ratio Lower Upper

105 100

120 44.6 38.7 58.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

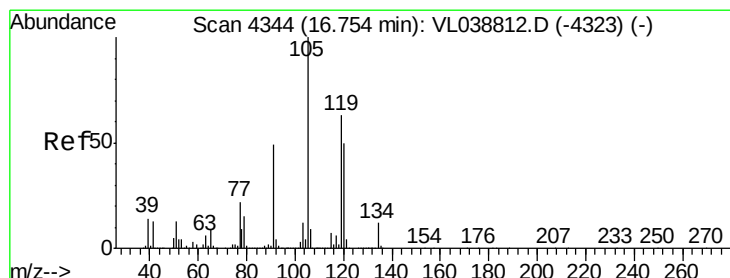
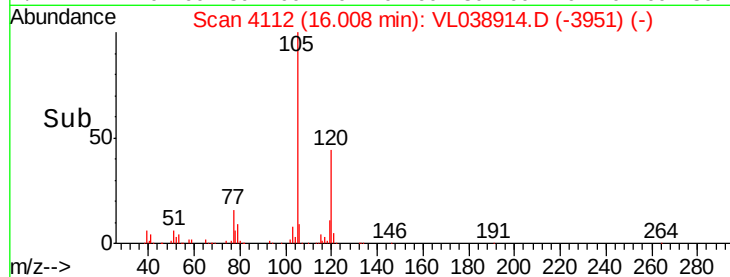
16.01

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.817 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. 0.02 min

Lab File: VL038914.D

Acq: 14 Apr 2022 9:42

Tgt Ion:105 Resp: 3321295

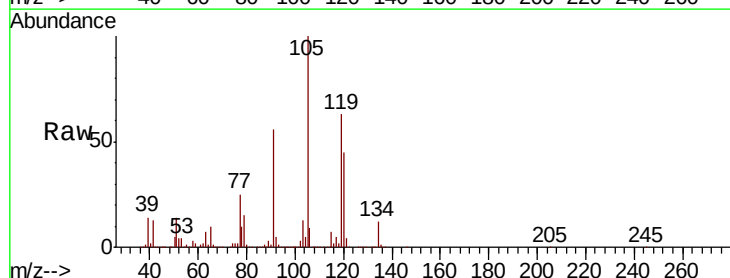
Ion Ratio Lower Upper

105 100

120 44.9 39.8 59.8

91 55.7 39.4 59.0

77 24.8 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

2000000

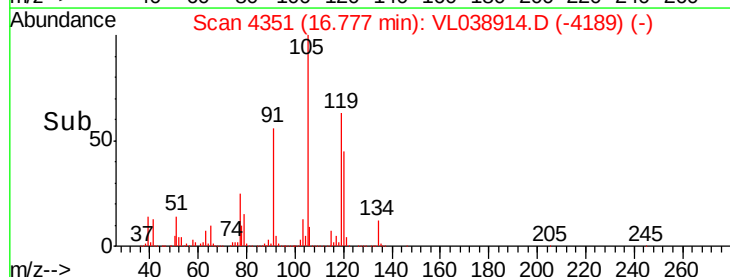
1500000

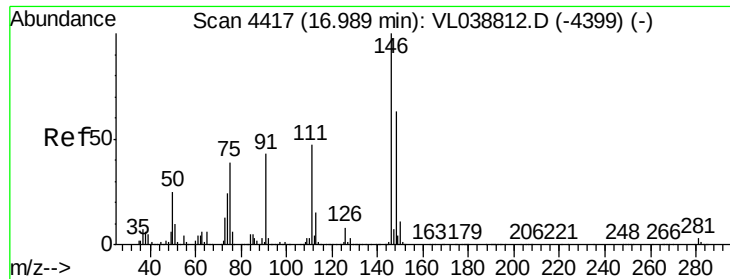
1000000

500000

0

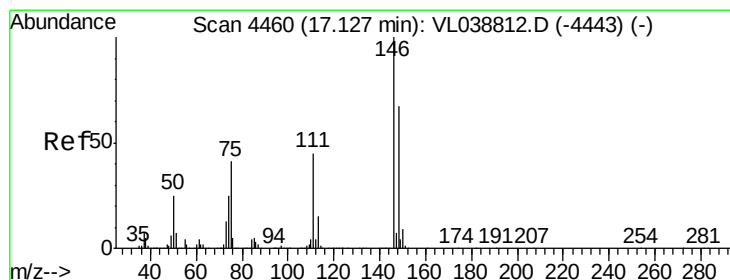
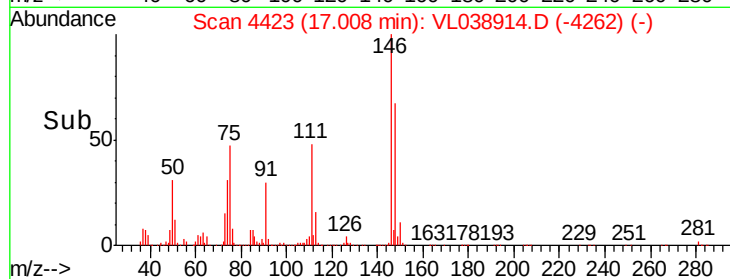
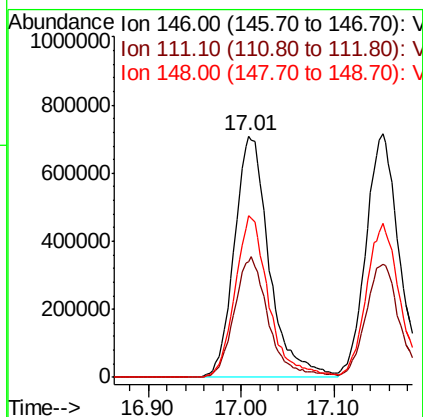
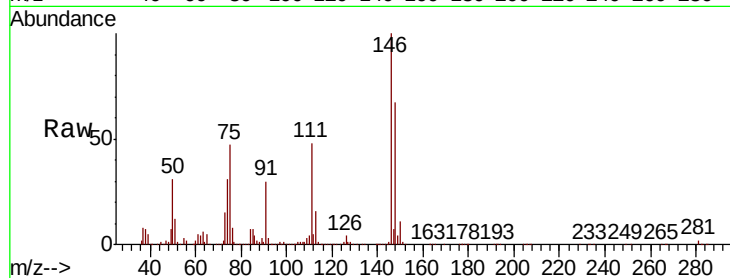
Time-->





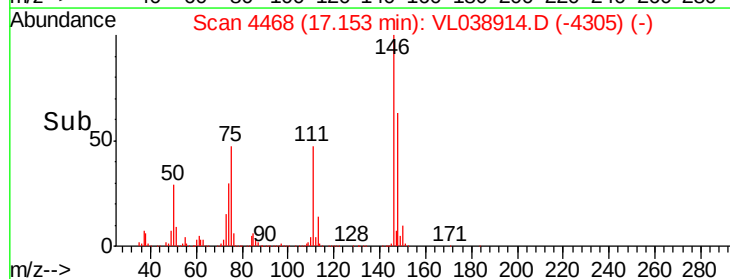
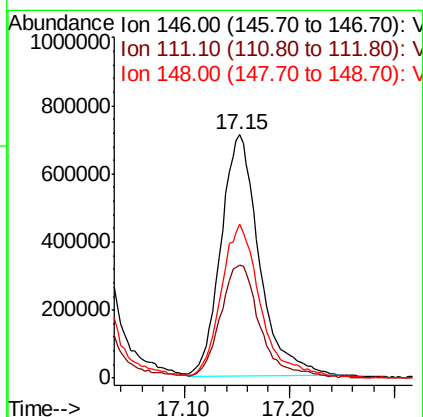
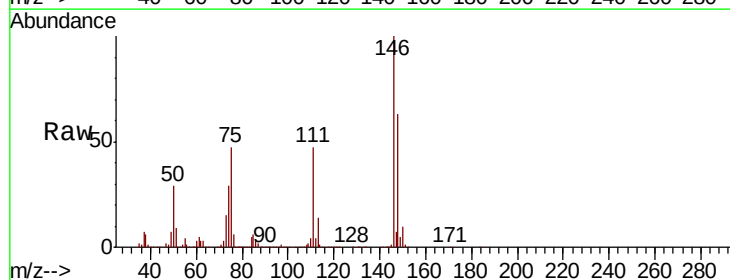
#75
 1,3-Dichlorobenzene
 Concen: 7.505 ppbv
 RT: 17.01 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 14 Apr 2022 9:42

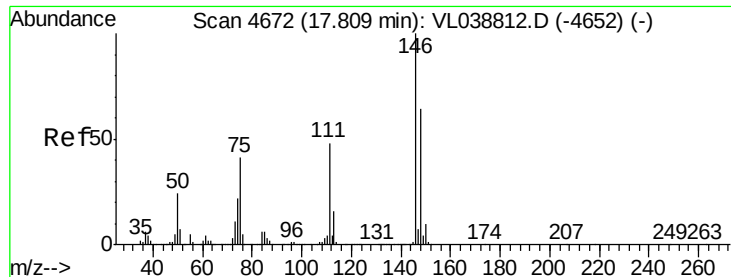
Tot Ion:146 Resp: 1851457
 Ion Ratio Lower Upper
 146 100
 111 48.7 23.8 71.2
 148 64.6 31.8 95.4



#76
 1,4-Dichlorobenzene
 Concen: 7.343 ppbv
 RT: 17.15 min Scan# 4468
 Delta R.T. 0.03 min
 Lab File: VL038914.D
 Acq: 14 Apr 2022 9:42

Tgt Ion:146 Resp: 1784368
 Ion Ratio Lower Upper
 146 100
 111 49.4 23.6 70.8
 148 66.0 33.6 100.6





#77

1,2-Dichlorobenzene

Concen: 7.191 ppbv

RT: 17.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 9:42

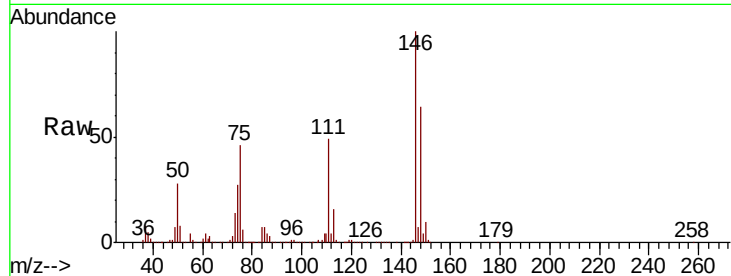
Tot Ion:146 Resp: 1748889

Ion Ratio Lower Upper

146 100

111 52.0 24.8 74.3

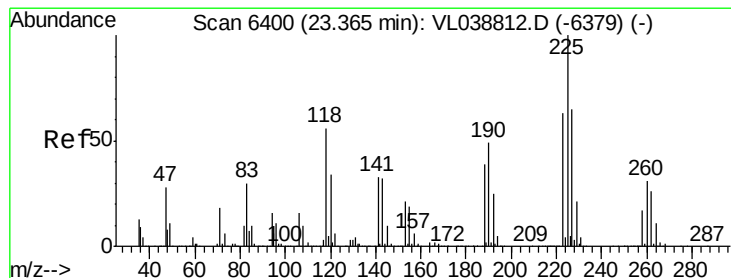
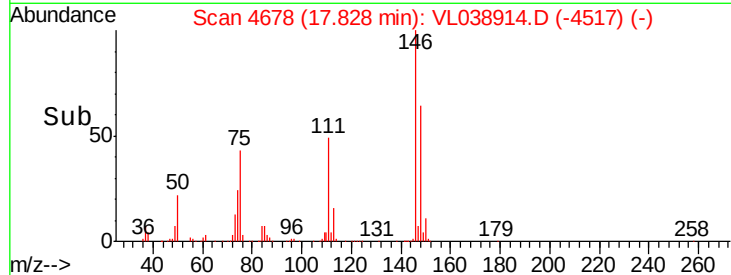
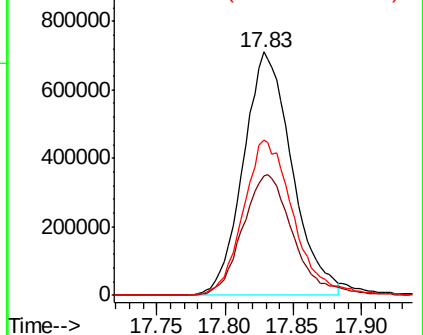
148 66.3 31.9 95.7



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: 3.676 ppbv

RT: 23.38 min Scan# 6406

Delta R.T. 0.02 min

Lab File: VL038914.D

Acq: 14 Apr 2022 9:42

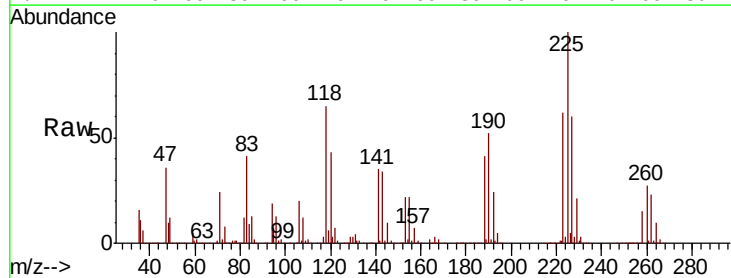
Tgt Ion:225 Resp: 706281

Ion Ratio Lower Upper

225 100

223 118.1 51.6 77.4#

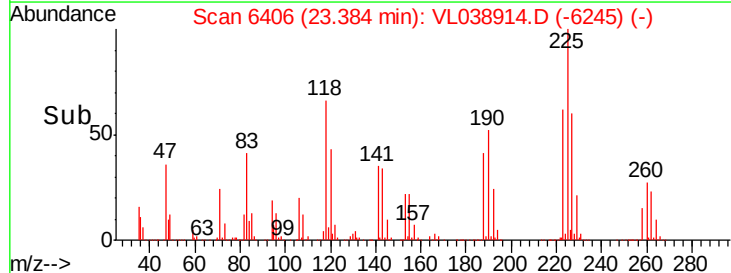
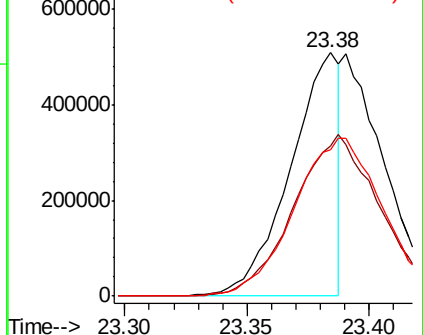
227 119.1 52.3 78.5#

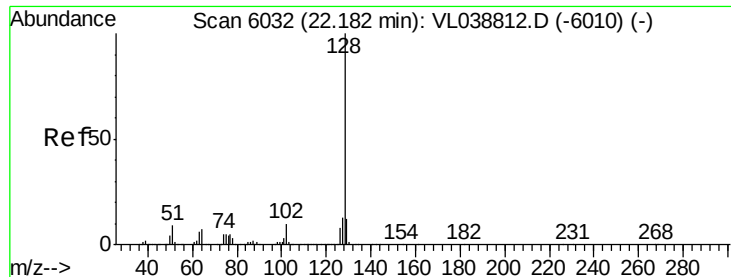


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

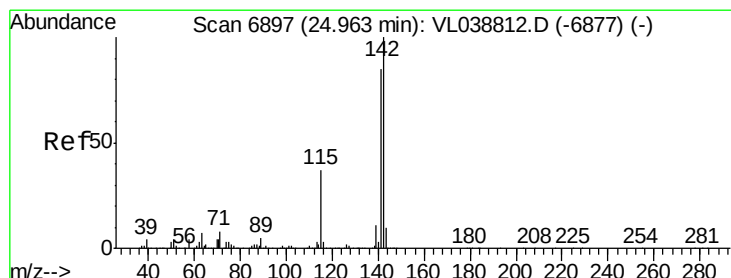
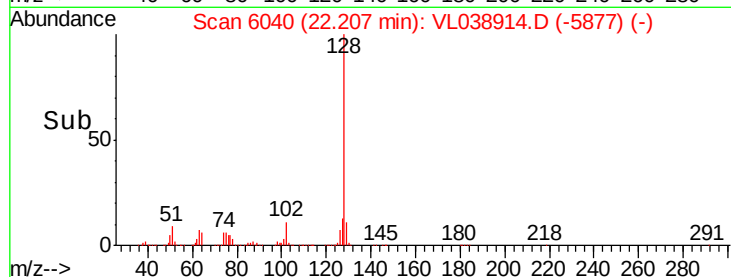
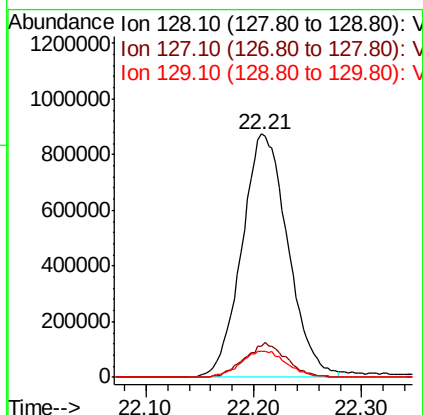
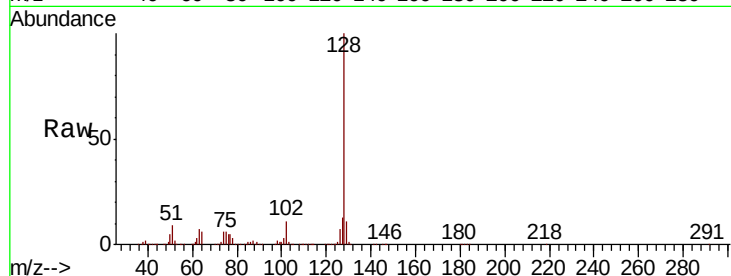




#79
Naphthalene
Concen: 8.145 ppbv
RT: 22.21 min
Instrument: MSVOA_L
Delta R.T.: 0.02 min
Lab File: VL038914.D
ClientSampleId: VSTDCCC010EC
Acq: 14 Apr 2022 9:42

Tot Ion:128 Resp: 2588860

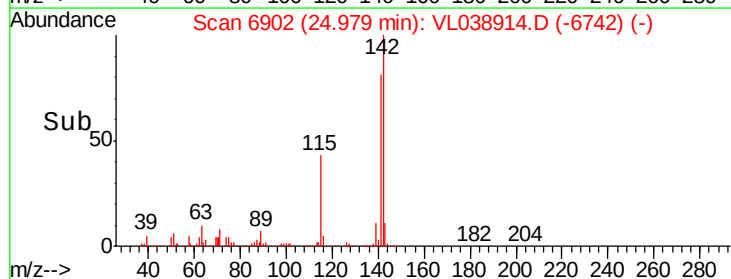
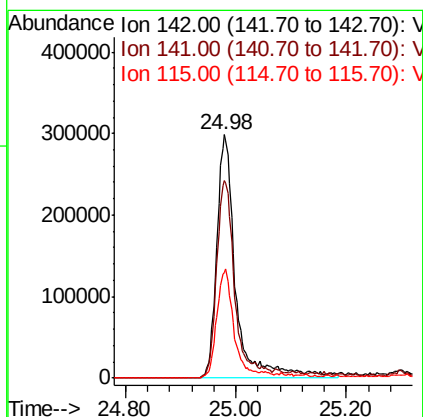
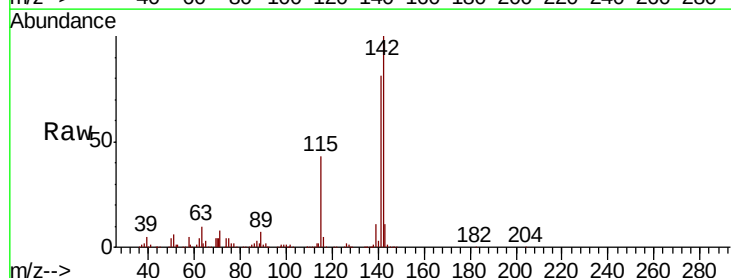
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.7	9.4	14.0

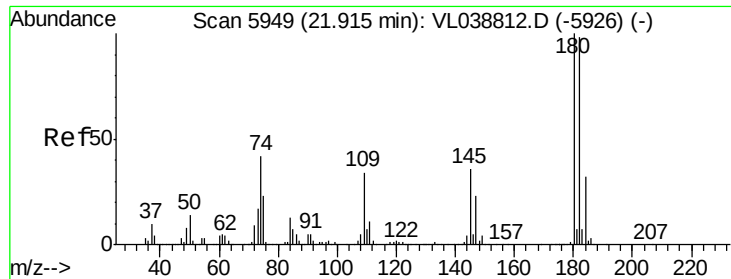


#80
Naphthalene, 2-methyl-
Concen: 9.153 ppbv
RT: 24.98 min Scan# 6902
Delta R.T.: 0.02 min
Lab File: VL038914.D
Acq: 14 Apr 2022 9:42

Tgt Ion:142 Resp: 716939

Ion	Ratio	Lower	Upper
142	100		
141	80.5	68.8	103.2
115	42.4	31.6	47.4





#81
 1,2,4-Trichlorobenzene
 Concen: 3.994 ppbv
 RT: 21.94
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 14 Apr 2022 9.42

Tot Ion:	180	Resp:	742874
Ion Ratio	Lower	Upper	
180	100		
182	190.0	79.4	119.0#
184	60.6	25.0	37.6#

