

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081722\
 Data File : VL039537.D
 Acq On : 17 Aug 2022 4:18
 Operator : SY/AP
 Sample : VSTDICC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICC002

Quant Time: Aug 17 04:48:42 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 17 04:35:27 2022
 QLast Update : Wed Aug 17 04:35:27 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.20	49	1133745	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	6.66	114	2993315	10.00	ppbv	0.00
55) Chlorobenzene-d5	11.47	117	2893489	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.78	95	2133696	9.93	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.75	85	277686	1.737	ppbv	100
3) Chlorodifluoromethane	2.70	51	289371	2.031	ppbv	99
4) Chloromethane	2.83	50	177438	2.239	ppbv	96
5) Vinyl Chloride	2.94	62	138735	1.797	ppbv	99
6) Bromomethane	3.14	94	58832	1.857	ppbv	92
7) Chloroethane	3.22	64	47914	1.758	ppbv	96
8) Dichlorotetrafluoroethane	2.88	85	346106	1.966	ppbv	96
9) Propene	2.72	41	136387	2.114	ppbv	100
10) Heptane	7.59	43	311558	2.070	ppbv	100
11) Trichlorofluoromethane	3.58	101	352740	1.968	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.09	101	273559	2.060	ppbv	96
13) Ethanol	3.26	45	4081	1.087	ppbv #	1
14) Bromoethene	3.39	108	100077	1.785	ppbv #	90
15) Acetone	3.49	43	270877	2.051	ppbv	96
16) 1,3-Butadiene	3.00	39	142694	2.071	ppbv	99
17) tert-Butyl alcohol	3.90	59	224060	2.019	ppbv	100
18) 1,1-Dichloroethene	3.90	96	113869	1.892	ppbv	98
19) Isopropyl Alcohol	3.60	45	109687	1.569	ppbv #	100
20) Methylene Chloride	3.95	84	114363	2.175	ppbv	93
21) Allyl Chloride	4.01	41	170570	1.863	ppbv	94
22) trans-1,2-Dichloroethene	4.46	96	110208	1.902	ppbv	98
23) Vinyl Acetate	4.64	43	111332	1.324	ppbv #	95
24) 1,1-Dichloroethane	4.58	63	236791	1.899	ppbv	99
25) Ethyl Acetate	5.22	43	578207	2.120	ppbv	99
26) Hexane	5.22	57	243273	2.236	ppbv	98
27) Carbon Disulfide	4.14	76	243479	1.856	ppbv	96
28) Methyl tert-Butyl Ether	4.61	73	194533	1.692	ppbv	98
29) Chloroform	5.28	83	371451	1.966	ppbv	98
30) Cyclohexane	6.61	84	196108	1.978	ppbv #	100
31) cis-1,2-Dichloroethene	5.09	61	216730	1.876	ppbv	95
32) 1,1,1-Trichloroethane	6.01	97	340777	1.826	ppbv	99
34) 2-Butanone	4.81	43	312880	2.103	ppbv	95
35) Carbon Tetrachloride	6.50	117	350972	1.925	ppbv	100
36) Benzene	6.38	78	491581	2.132	ppbv	97
37) 1,2-Dichloroethane	5.82	62	265673	1.972	ppbv	100
38) Trichloroethene	7.30	130	267787	2.130	ppbv	94
39) 1,2-Dichloropropane	7.08	63	190515	2.214	ppbv	91
40) 1,4-Dioxane	7.31	88	60337	1.772	ppbv #	1
41) Tetrahydrofuran	5.58	42	188080	2.162	ppbv	97
42) Bromodichloromethane	7.26	83	366849	2.017	ppbv	98
43) Methyl Methacrylate	7.49	69	174899	2.006	ppbv	96

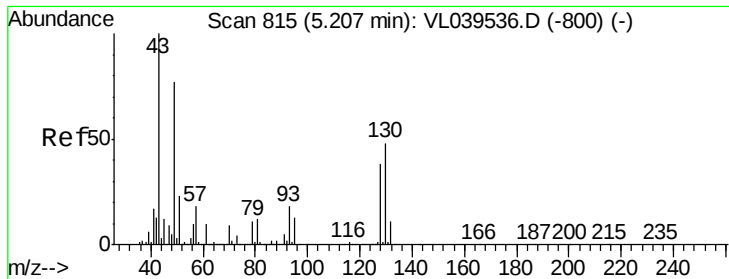
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081722\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.34	57	857217	2.196	ppbv	99
45) t-1,3-Dichloropropene	8.72	75	63446	0.834	ppbv	97
46) cis-1,3-Dichloropropene	8.15	75	200754	1.890	ppbv	97
47) 1,1,2-Trichloroethane	8.90	97	97790	1.013	ppbv	92
48) Dibromochloromethane	9.71	129	307196	2.017	ppbv	97
49) Bromoform	12.41	173	257855	2.095	ppbv #	100
50) 4-Methyl-2-Pentanone	8.19	43	512068	2.248	ppbv	99
51) 2-Hexanone	9.56	43	158025	0.920	ppbv #	31
52) Tetrachloroethene	10.62	164	189594	2.050	ppbv	91
53) Toluene	9.23	91	568316	2.146	ppbv	99
54) 1,2-Dibromoethane	10.01	107	238123	2.012	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.51	131	257363	2.055	ppbv #	1
57) Chlorobenzene	11.53	112	460325	2.088	ppbv	98
58) Ethyl Benzene	12.09	91	747274	2.044	ppbv	98
59) m/p-Xylene	12.38	91	698580	2.171	ppbv #	100
60) o-Xylene	13.06	91	644433	2.110	ppbv	98
61) Styrene	12.90	104	179704	1.088	ppbv #	31
62) Isopropylbenzene	14.03	105	966202	2.080	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.05	83	286864	1.803	ppbv	97
64) n-propylbenzene	14.91	120	164632	1.403	ppbv #	5
65) tert-Butylbenzene	16.09	119	899578	2.105	ppbv	99
66) Benzyl Chloride	16.33	91	40528	1.047	ppbv #	86
67) sec-Butylbenzene	16.64	105	1247176	2.160	ppbv	100
69) p-Isopropyltoluene	17.00	119	1052141	2.156	ppbv	99
70) n-Butylbenzene	17.89	91	1032380	2.174	ppbv	100
71) 2-Chlorotoluene	14.80	91	709943	2.132	ppbv	98
72) 4-Ethyltoluene	15.20	105	748336	2.079	ppbv #	100
73) 1,3,5-Trimethylbenzene	15.35	105	677631	2.059	ppbv	98
74) 1,2,4-Trimethylbenzene	16.11	105	769758	2.121	ppbv	99
75) 1,3-Dichlorobenzene	16.33	146	466681	2.156	ppbv	99
76) 1,4-Dichlorobenzene	16.47	146	442577	2.039	ppbv	94
77) 1,2-Dichlorobenzene	17.15	146	449620	2.100	ppbv	98
78) Hexachloro-1,3-Butadiene	22.63	225	179650	1.036	ppbv #	100
79) Naphthalene	21.38	128	622696	2.472	ppbv	97
80) Naphthalene, 2-methyl-	24.38	142	221190	2.456	ppbv #	100
81) 1,2,4-Trichlorobenzene	21.14	180	373336	2.284	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.20 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC002

Acq: 17 Aug 2022 4:18

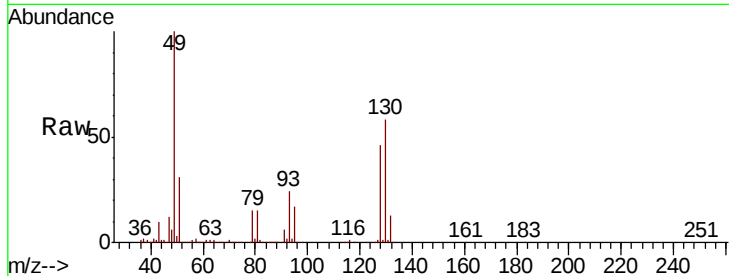
Tot Ion: 49 Resp: 1133745

Ion Ratio Lower Upper

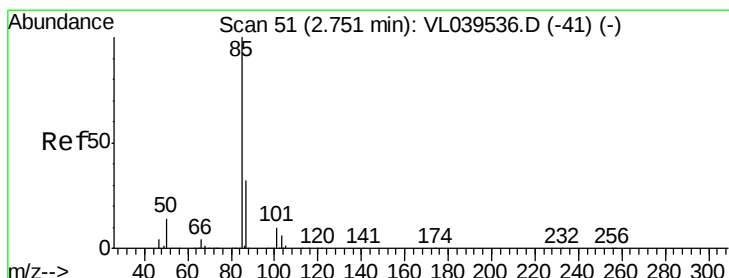
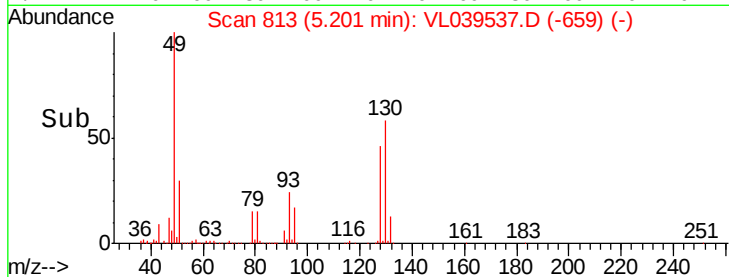
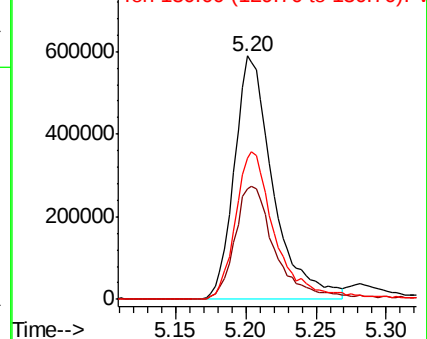
49 100

128 50.1 25.7 77.0

130 63.2 31.6 95.0



Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 1.737 ppbv

RT: 2.75 min Scan# 50

Delta R.T. -0.00 min

Lab File: VL039537.D

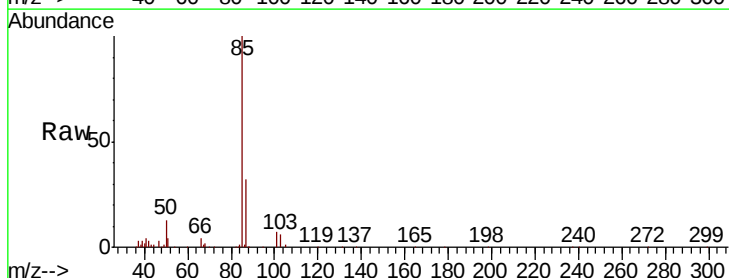
Acq: 17 Aug 2022 4:18

Tgt Ion: 85 Resp: 277686

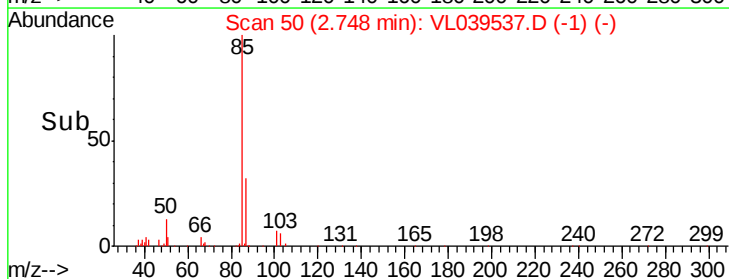
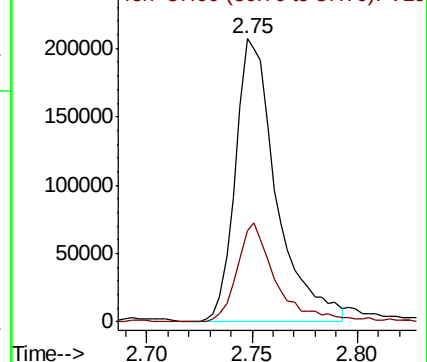
Ion Ratio Lower Upper

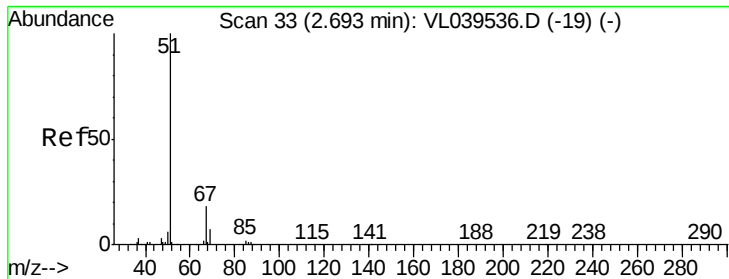
85 100

87 32.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.031 ppbv

RT: 2.70 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC002

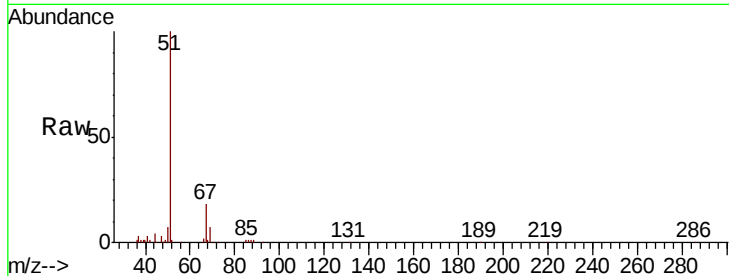
Acq: 17 Aug 2022 4:18

Tot Ion: 51 Resp: 289371

Ion Ratio Lower Upper

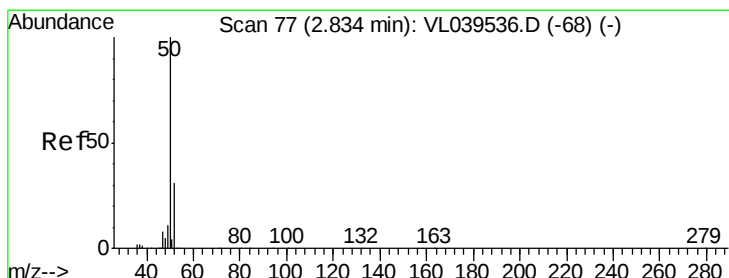
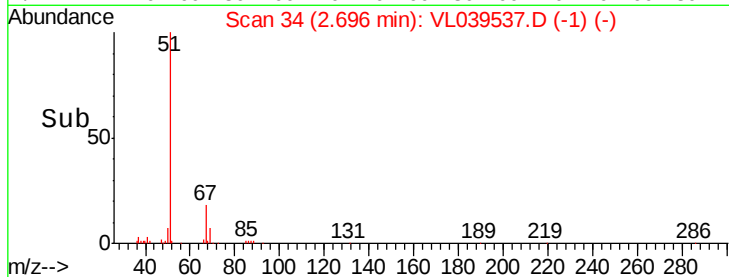
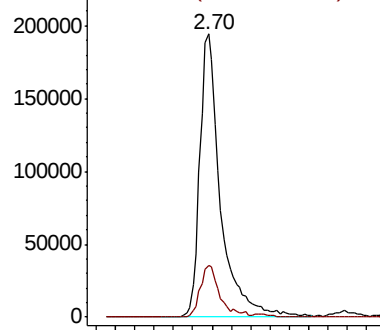
51 100

67 18.1 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 2.239 ppbv

RT: 2.83 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL039537.D

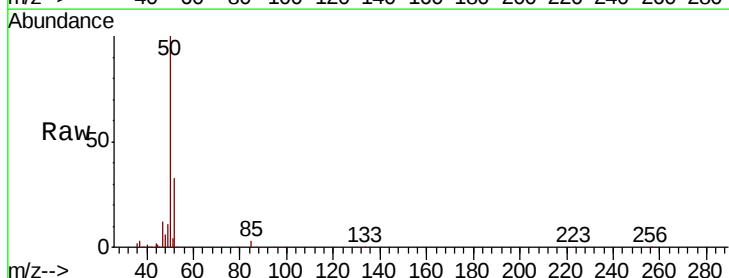
Acq: 17 Aug 2022 4:18

Tgt Ion: 50 Resp: 177438

Ion Ratio Lower Upper

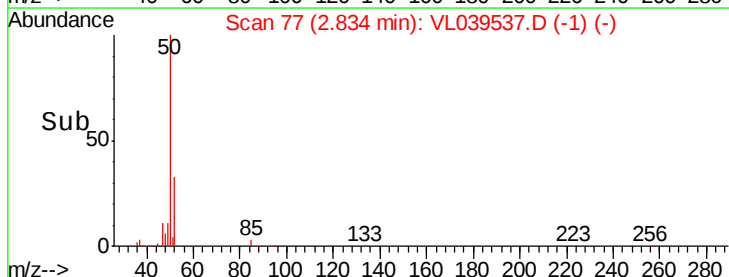
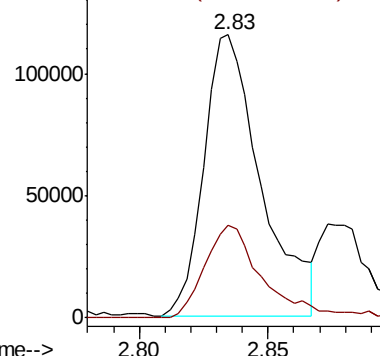
50 100

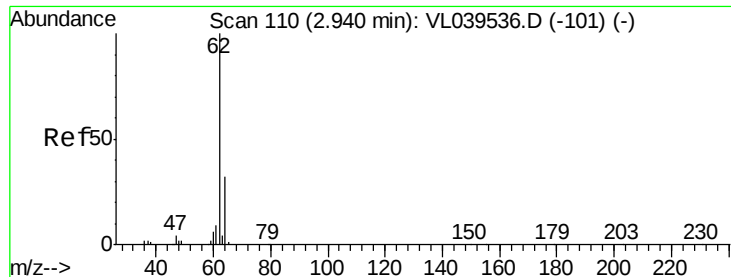
52 32.8 24.3 36.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.797 ppbv

RT: 2.94 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC002

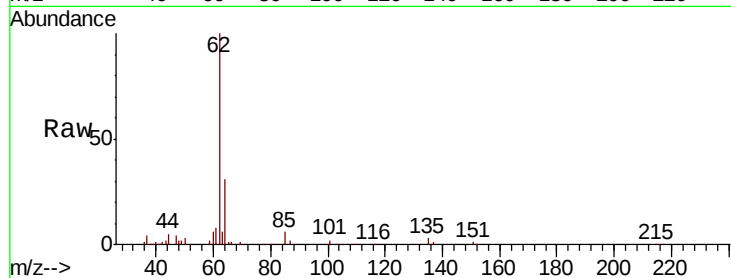
Acq: 17 Aug 2022 4:18

Tot Ion: 62 Resp: 138735

Ion Ratio Lower Upper

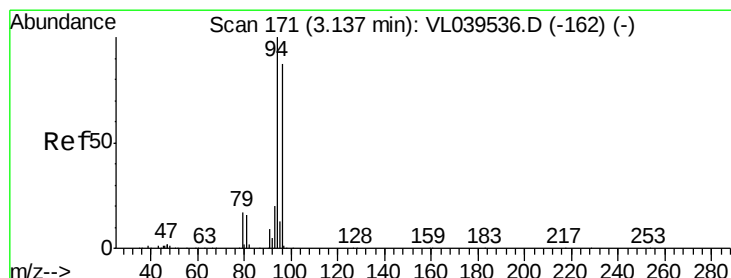
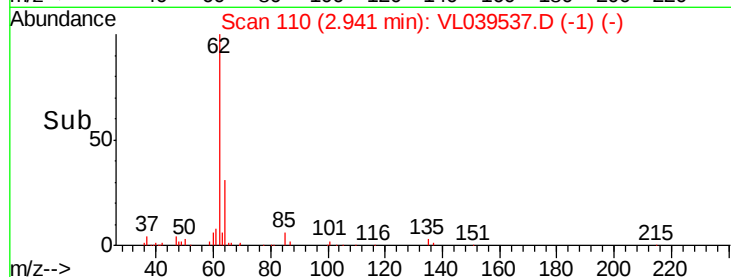
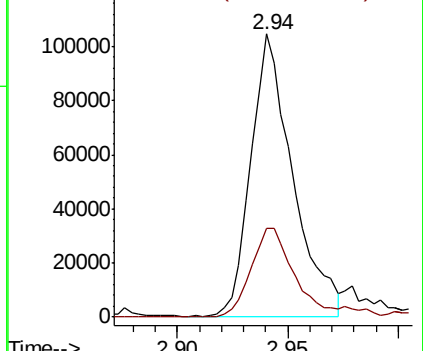
62 100

64 31.3 25.5 38.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.857 ppbv

RT: 3.14 min Scan# 172

Delta R.T. 0.00 min

Lab File: VL039537.D

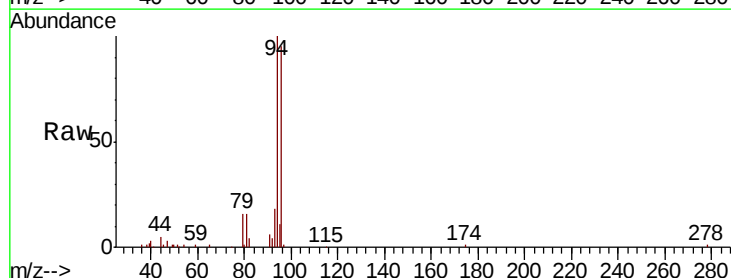
Acq: 17 Aug 2022 4:18

Tgt Ion: 94 Resp: 58832

Ion Ratio Lower Upper

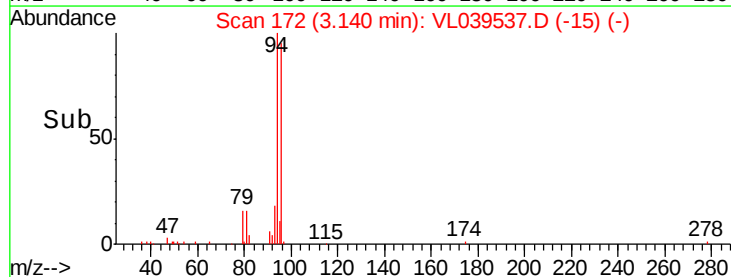
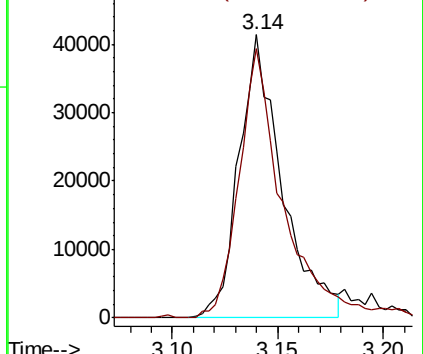
94 100

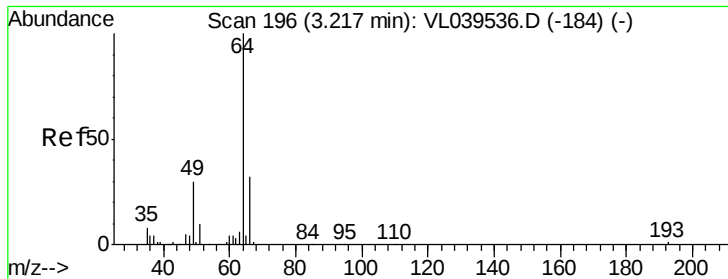
96 95.0 69.8 104.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.758 ppbv

RT: 3.22 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

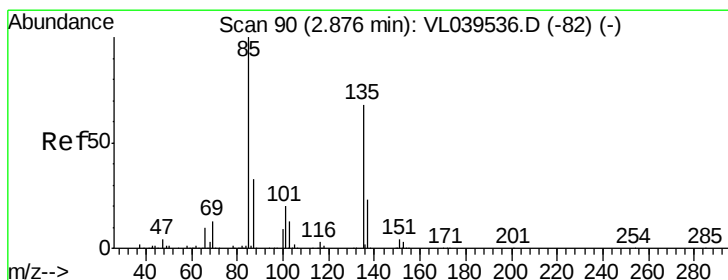
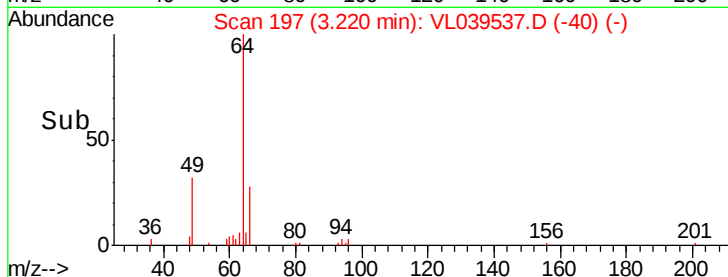
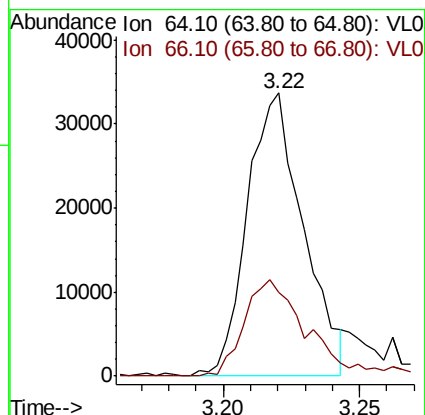
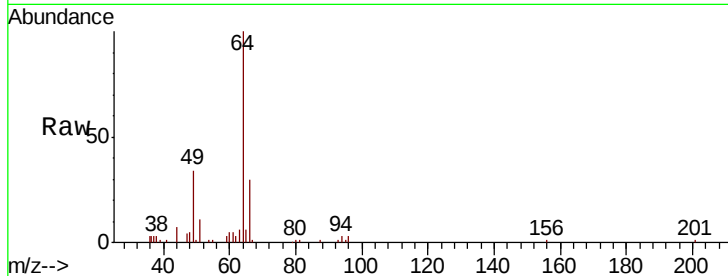
Acq: 17 Aug 2022 4:18 VSTDIC002

Tot Ion: 64 Resp: 47914

Ion Ratio Lower Upper

64 100

66 29.7 25.6 38.4



#8

Dichlorotetrafluoroethane

Concen: 1.966 ppbv

RT: 2.88 min Scan# 90

Delta R.T. 0.00 min

Lab File: VL039537.D

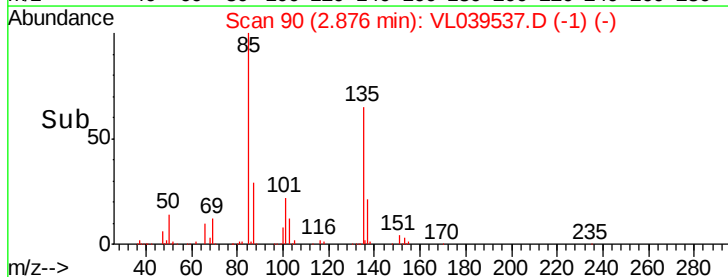
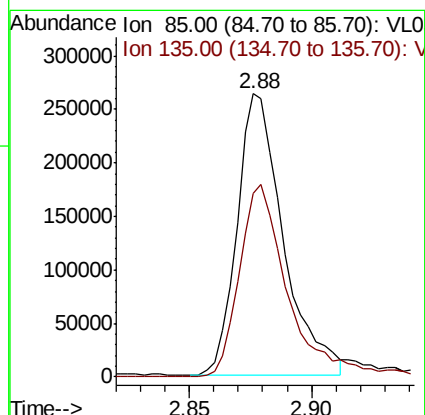
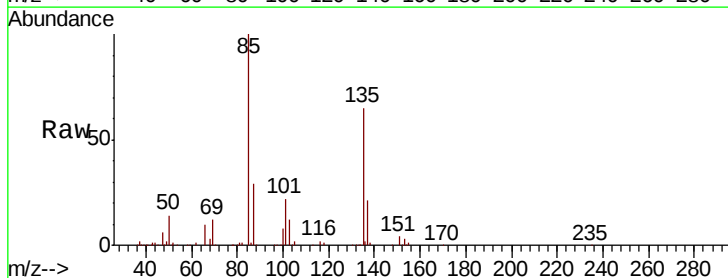
Acq: 17 Aug 2022 4:18

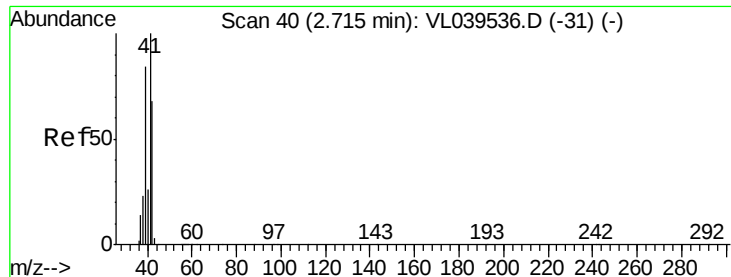
Tgt Ion: 85 Resp: 346106

Ion Ratio Lower Upper

85 100

135 73.5 56.3 84.5





#9

Propene

Concen: 2.114 ppbv

RT: 2.72 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC002

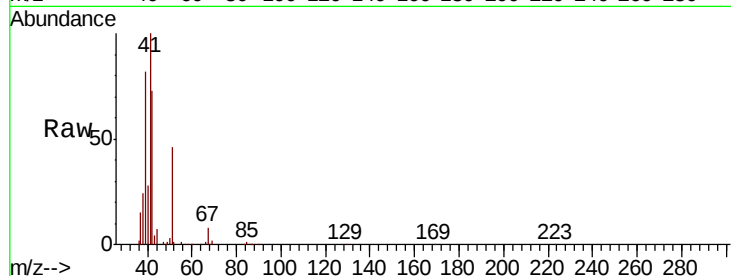
Acq: 17 Aug 2022 4:18

Tot Ion: 41 Resp: 136387

Ion Ratio Lower Upper

41 100

42 69.5 55.4 83.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.72

100000

80000

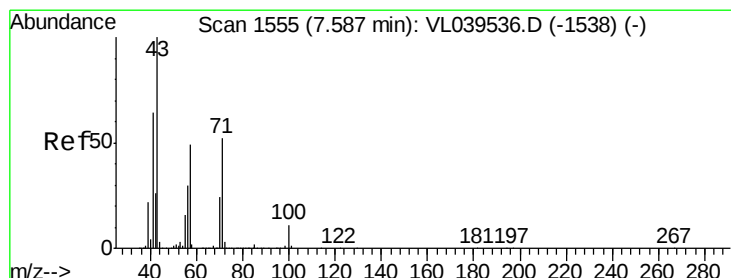
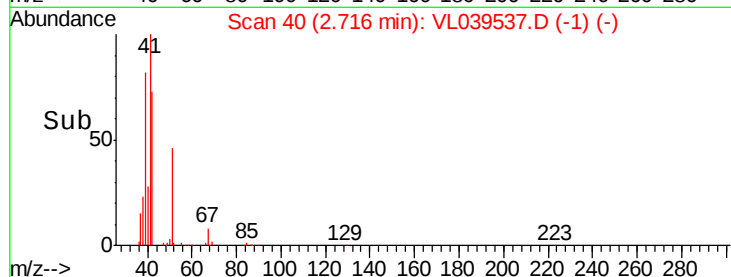
60000

40000

20000

0

Time-->



#10

Heptane

Concen: 2.070 ppbv

RT: 7.59 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VL039537.D

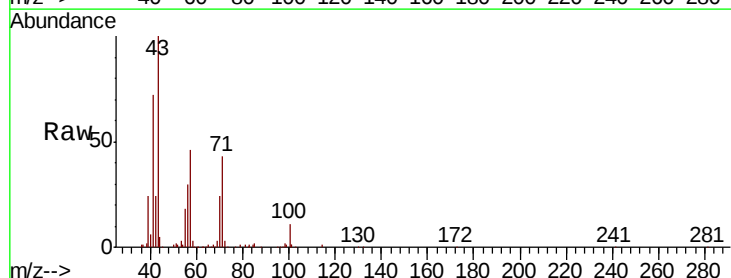
Acq: 17 Aug 2022 4:18

Tgt Ion: 43 Resp: 311558

Ion Ratio Lower Upper

43 100

57 50.0 39.8 59.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

7.59

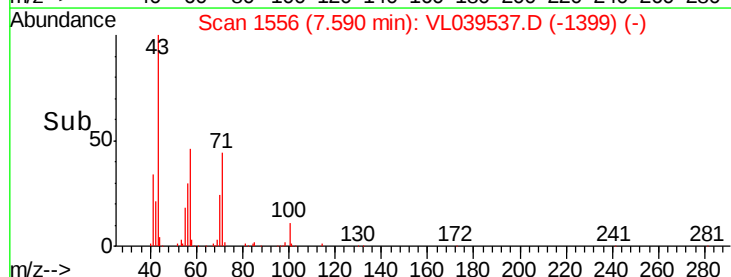
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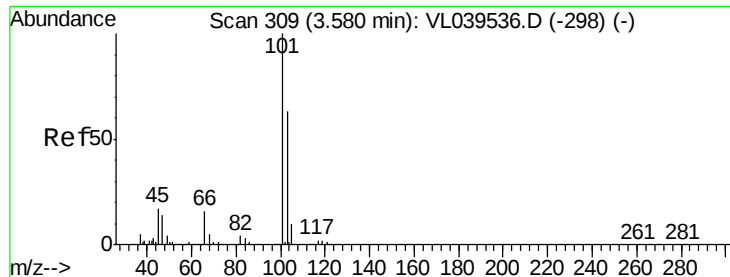
100000

50000

0

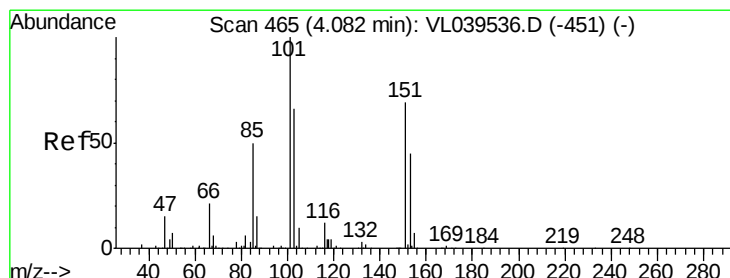
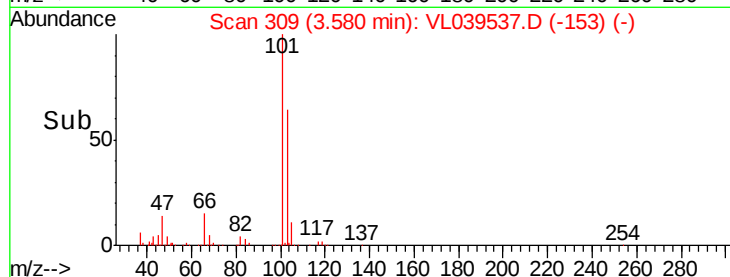
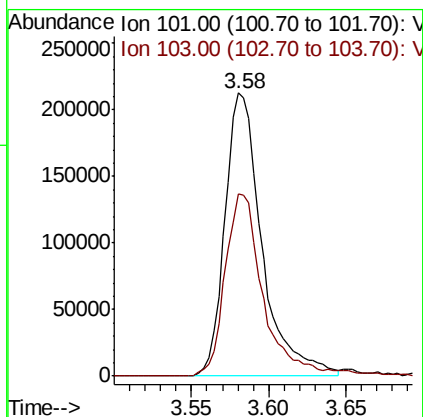
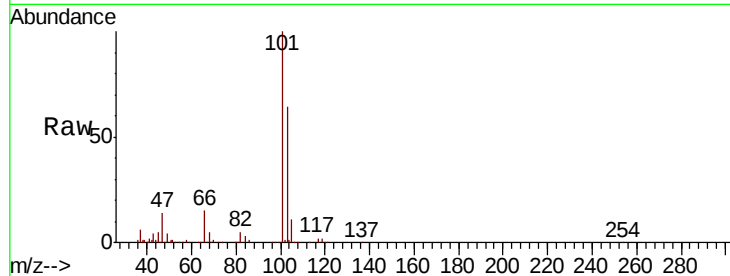
Time-->





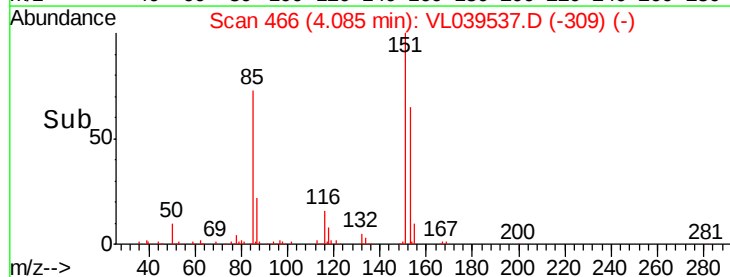
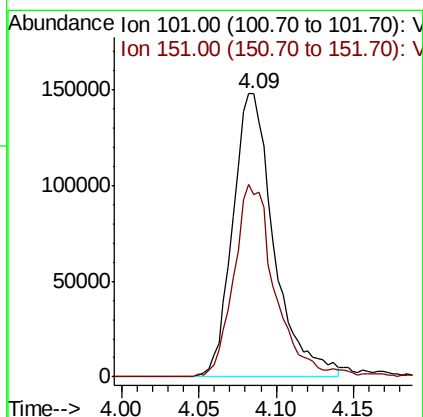
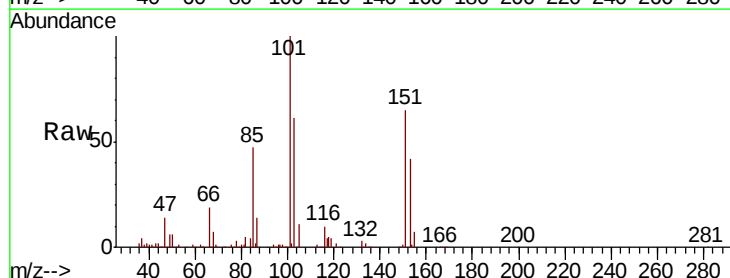
#11
 Trichlorofluoromethane
 Concen: 1.968 ppbv
 RT: 3.58
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC002
 Acq: 17 Aug 2022 4:18

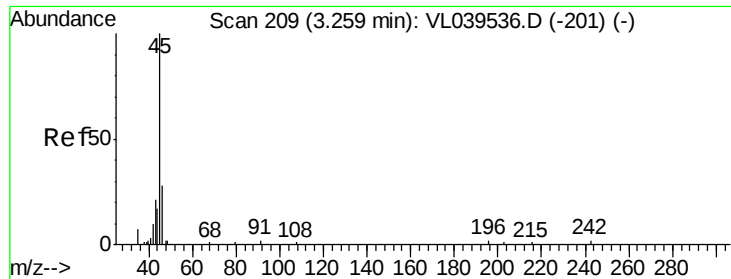
Tot Ion:101 Resp: 352740
 Ion Ratio Lower Upper
 101 100
 103 64.4 50.6 76.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.060 ppbv
 RT: 4.09 min Scan# 466
 Delta R.T.: 0.00 min
 Lab File: VL039537.D
 Acq: 17 Aug 2022 4:18

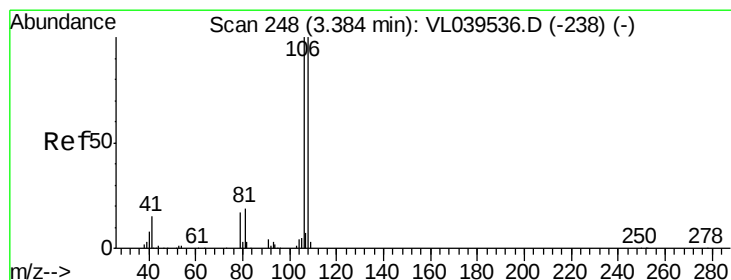
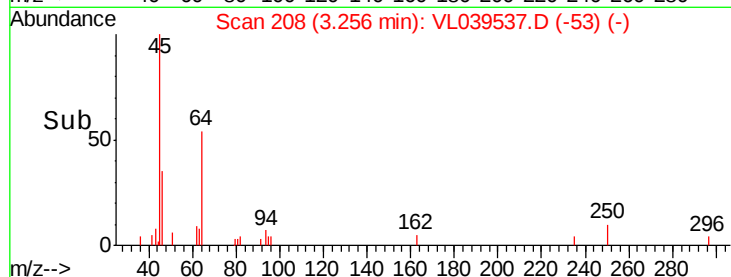
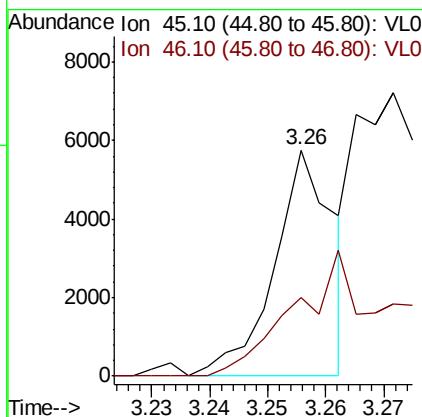
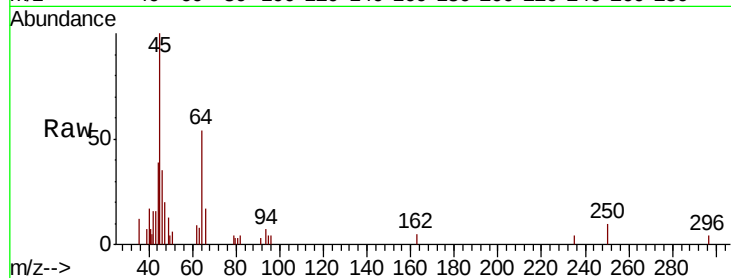
Tgt Ion:101 Resp: 273559
 Ion Ratio Lower Upper
 101 100
 151 69.5 58.6 87.8





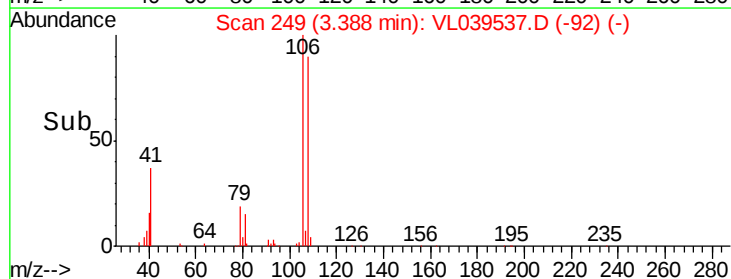
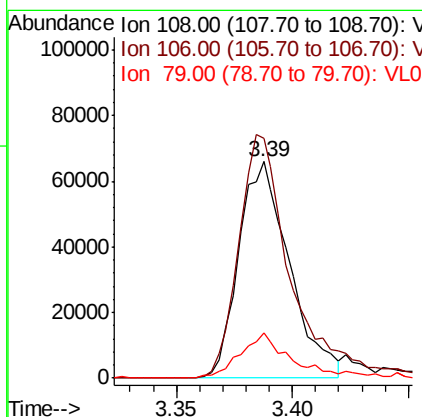
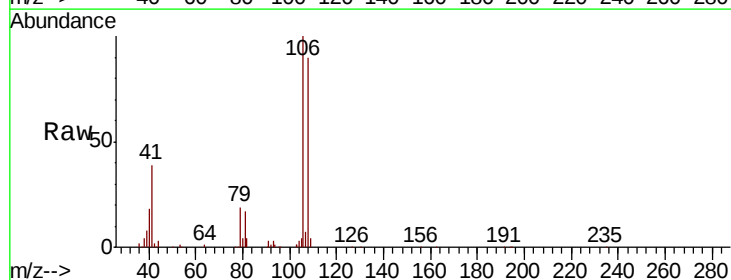
#13
Ethanol
Concen: 1.087 ppbv
RT: 3.26
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Aug 2022 4:18

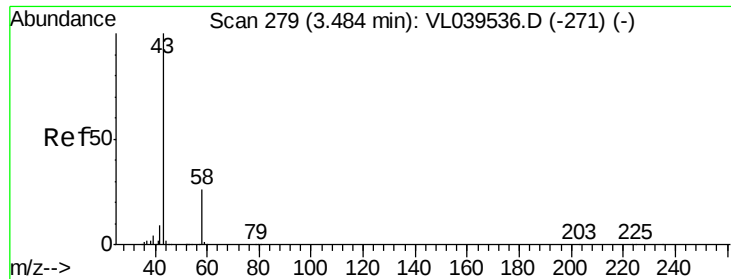
Tot Ion: 45 Resp: 4081
Ion Ratio Lower Upper
45 100
46 146.5 19.3 77.1#



#14
Bromoethene
Concen: 1.785 ppbv
RT: 3.39 min Scan# 249
Delta R.T. 0.00 min
Lab File: VL039537.D
Acq: 17 Aug 2022 4:18

Tgt Ion: 108 Resp: 100077
Ion Ratio Lower Upper
108 100
106 119.4 86.6 130.0
79 22.8 15.1 22.7#





#15

Acetone

Concen: 2.051 ppbv

RT: 3.49 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

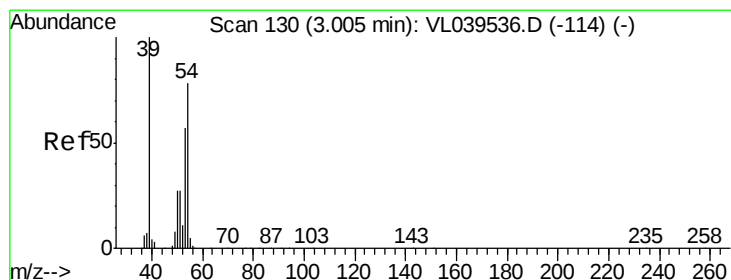
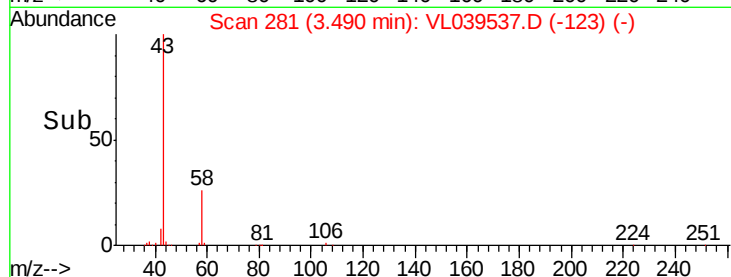
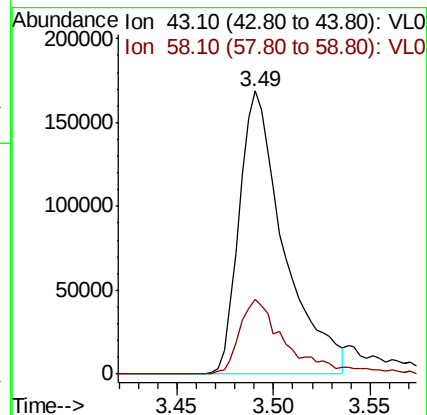
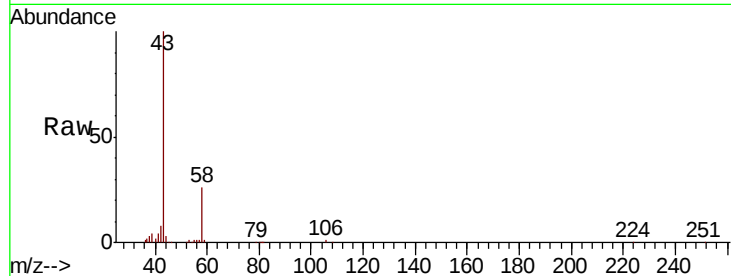
Acq: 17 Aug 2022 4:18

Tot Ion: 43 Resp: 270877

Ion Ratio Lower Upper

43 100

58 28.2 20.7 31.1



#16

1,3-Butadiene

Concen: 2.071 ppbv

RT: 3.00 min Scan# 130

Delta R.T. 0.00 min

Lab File: VL039537.D

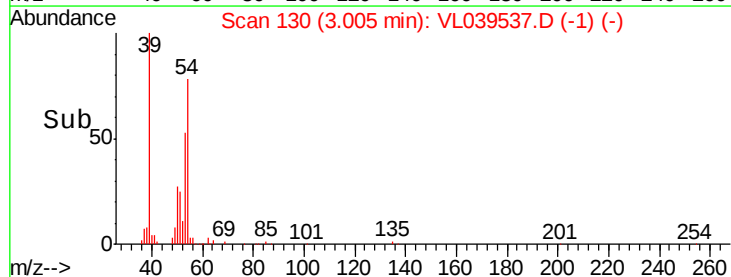
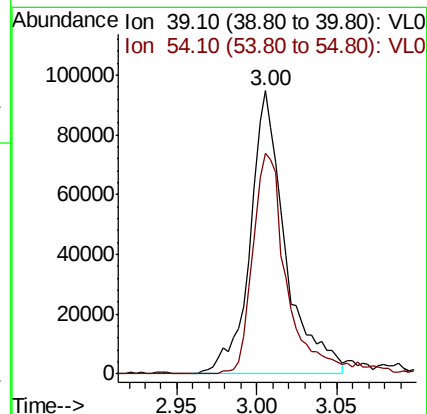
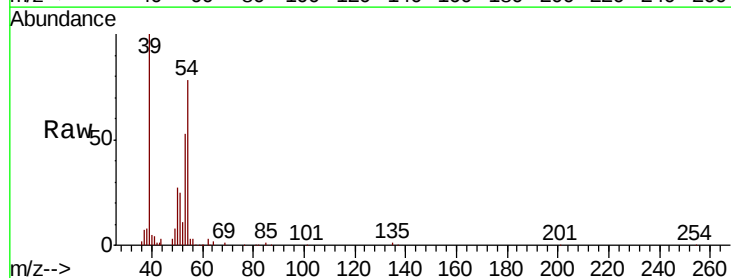
Acq: 17 Aug 2022 4:18

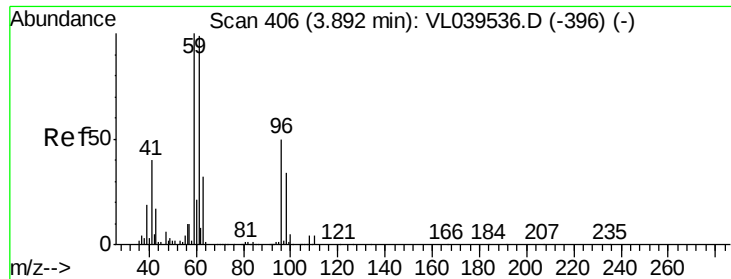
Tgt Ion: 39 Resp: 142694

Ion Ratio Lower Upper

39 100

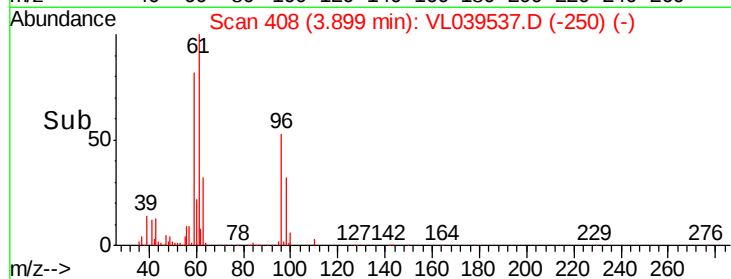
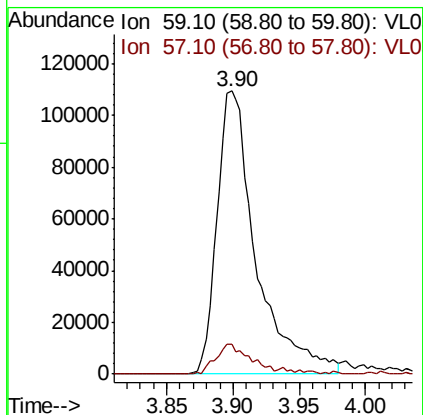
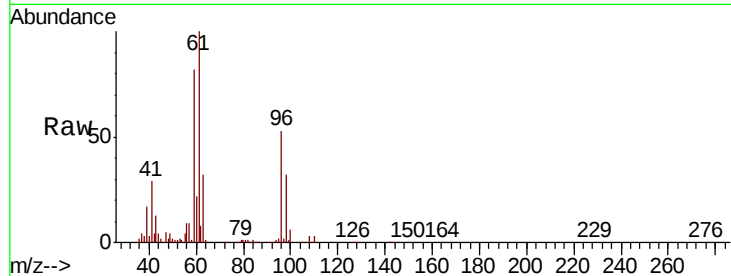
54 77.9 61.8 92.8





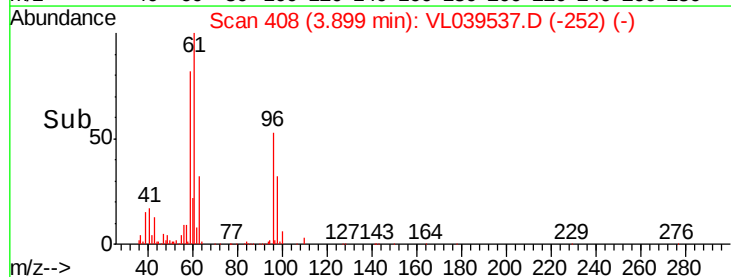
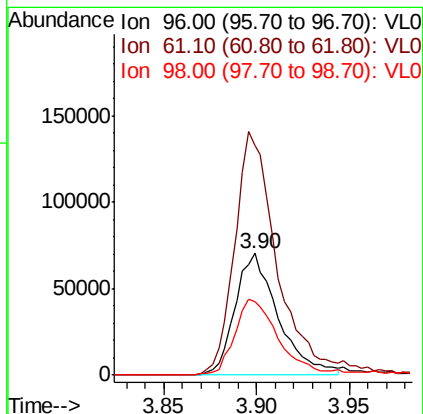
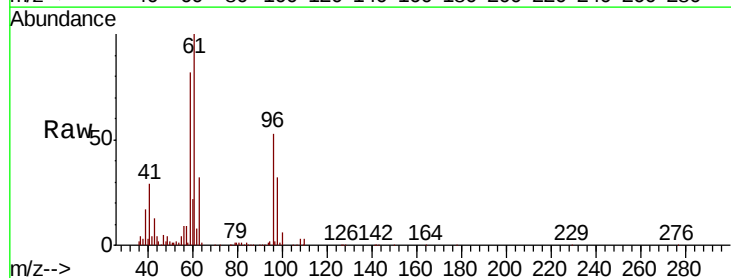
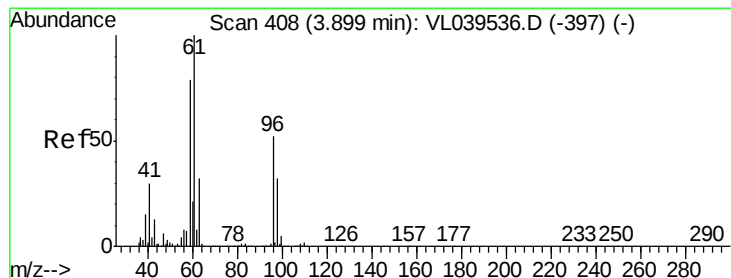
#17
 tert-Butyl alcohol
 Concen: 2.019 ppbv
 RT: 3.90 min
 Delta R.T. 0.00 min
 Lab File: VL039536.D
 Acq: 17 Aug 2022 4:18

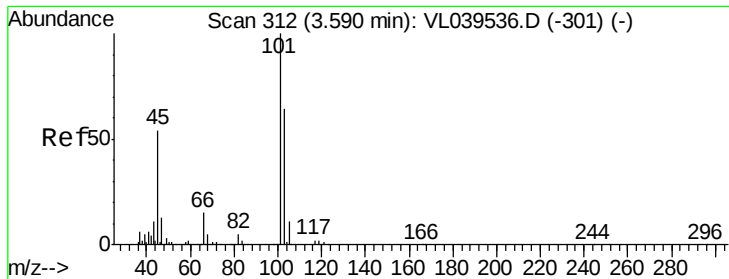
Tot Ion: 59 Resp: 224060
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.6 12.8



#18
 1,1-Dichloroethene
 Concen: 1.892 ppbv
 RT: 3.90 min Scan# 408
 Delta R.T. 0.00 min
 Lab File: VL039537.D
 Acq: 17 Aug 2022 4:18

Tgt Ion: 96 Resp: 113869
 Ion Ratio Lower Upper
 96 100
 61 188.8 153.8 230.6
 98 60.6 48.6 73.0





#19

Isopropyl Alcohol

Concen: 1.569 ppbv

RT: 3.60 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC002

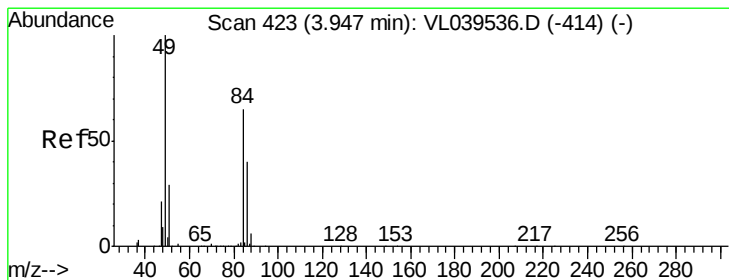
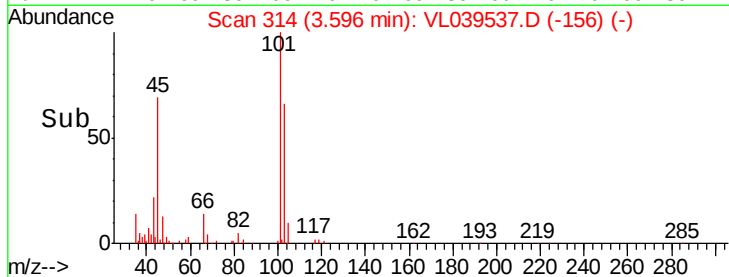
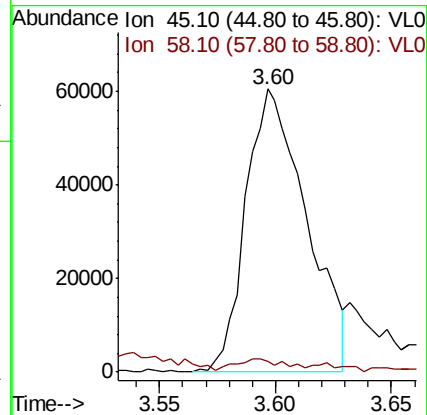
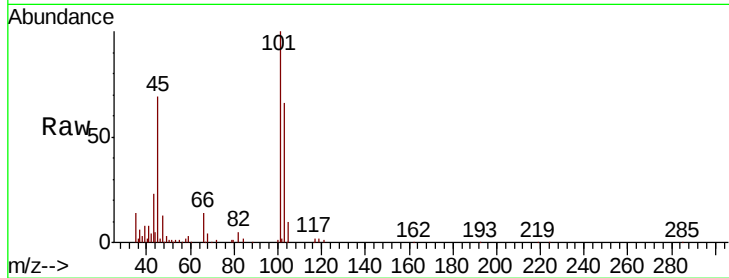
Acq: 17 Aug 2022 4:18

Tot Ion: 45 Resp: 109687

Ion Ratio Lower Upper

45 100

58 7.8 0.0 0.0#



#20

Methylene Chloride

Concen: 2.175 ppbv

RT: 3.95 min Scan# 424

Delta R.T. 0.00 min

Lab File: VL039537.D

Acq: 17 Aug 2022 4:18

Tgt Ion: 84 Resp: 114363

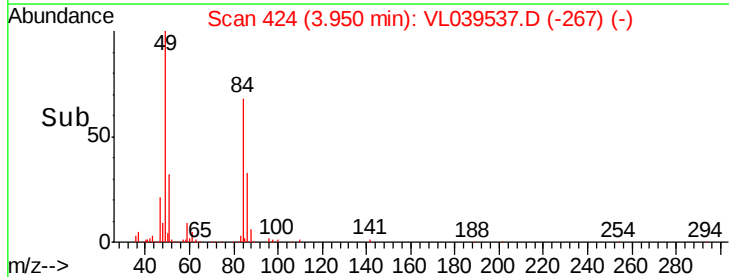
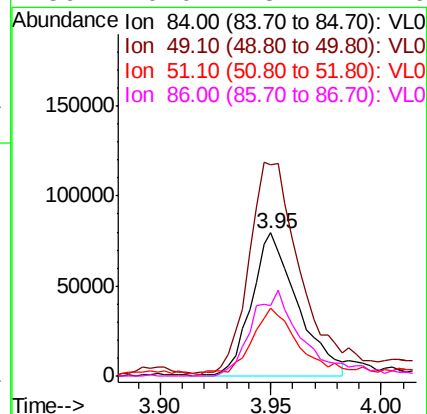
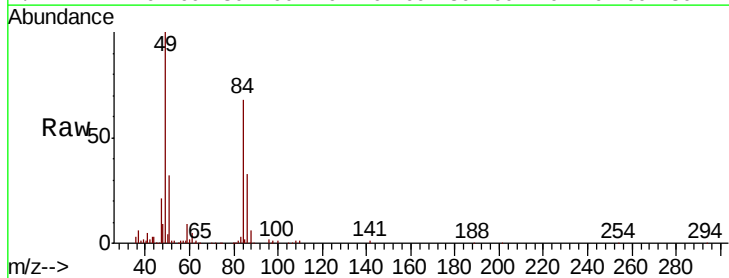
Ion Ratio Lower Upper

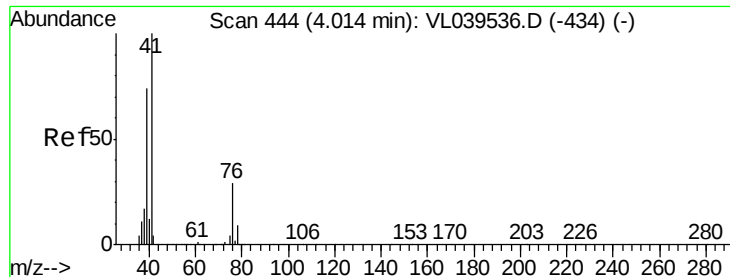
84 100

49 146.1 122.2 183.4

51 45.5 35.8 53.6

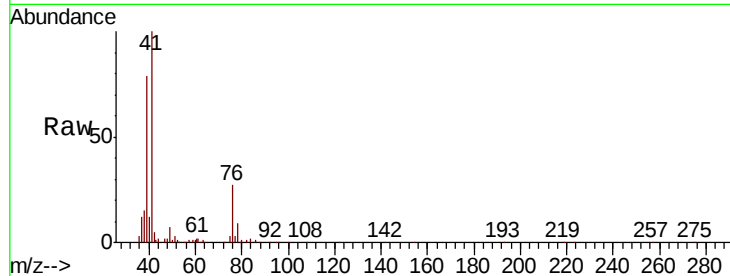
86 49.0 48.4 72.6



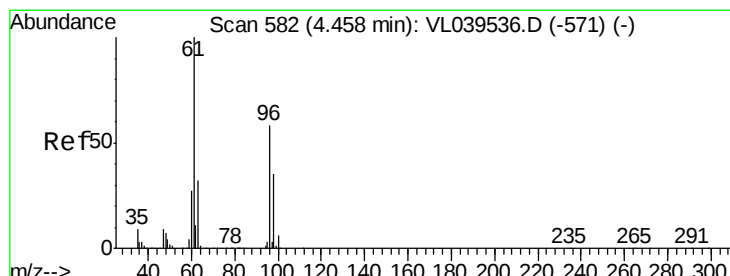
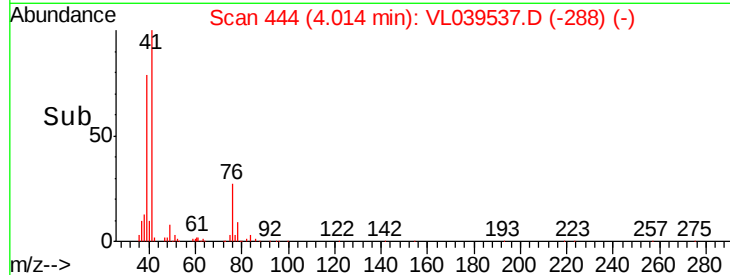
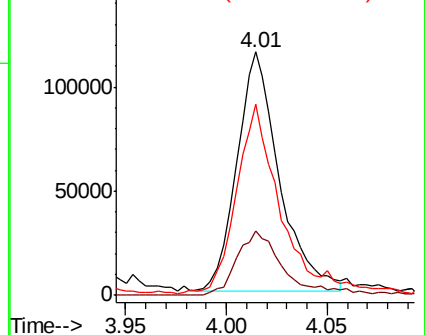


#21
 Allvl Chloride
 Concen: 1.863 ppbv
 RT: 4.01
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 17 Aug 2022 4:18

Tot Ion:	41	Resp:	170570
Ion	Ratio	Lower	Upper
41	100		
76	30.3	23.1	34.7
39	85.4	63.4	95.2

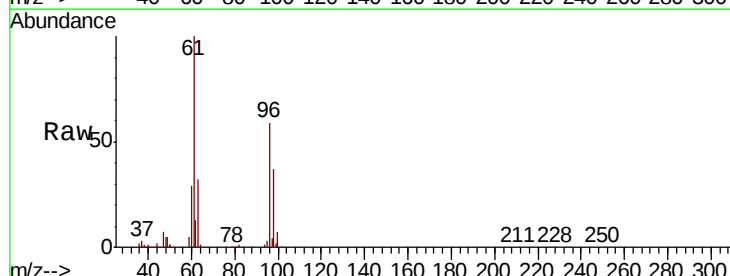


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

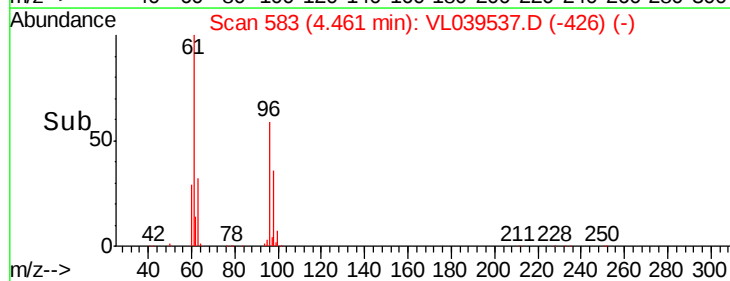
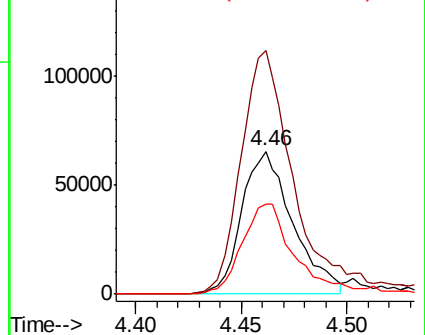


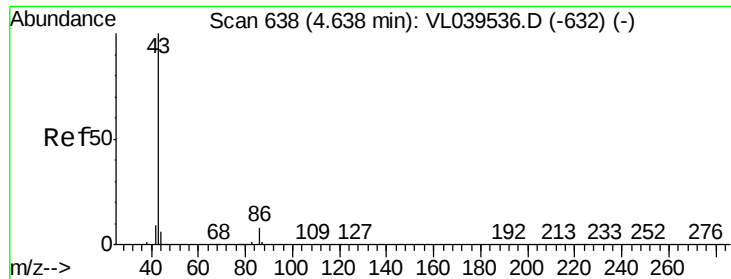
#22
 trans-1,2-Dichloroethene
 Concen: 1.902 ppbv
 RT: 4.46 min Scan# 583
 Delta R.T. 0.00 min
 Lab File: VL039537.D
 Acq: 17 Aug 2022 4:18

Tgt Ion:	96	Resp:	110208
Ion	Ratio	Lower	Upper
96	100		
61	170.2	138.1	207.1
98	63.3	48.8	73.2



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





#23

Vinyl Acetate

Concen: 1.324 ppbv

RT: 4.64 Instrument: MSVOA_1

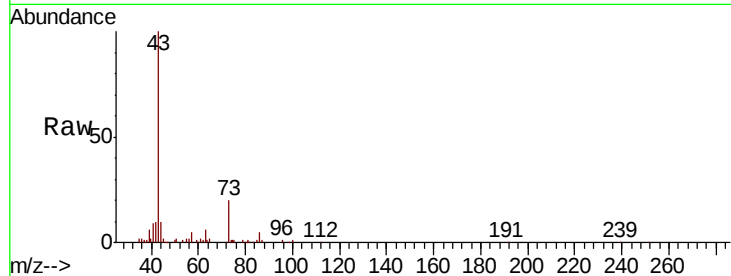
Delta R.T. ClientSampleId:

Lab File: VSTDIC002

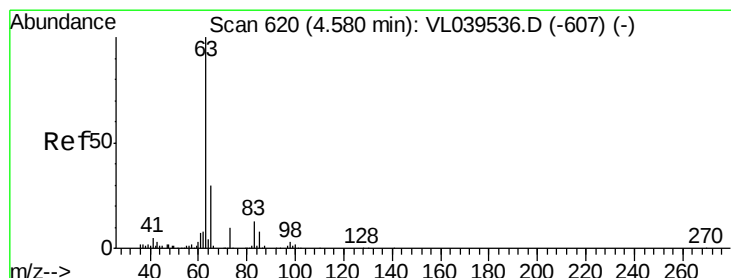
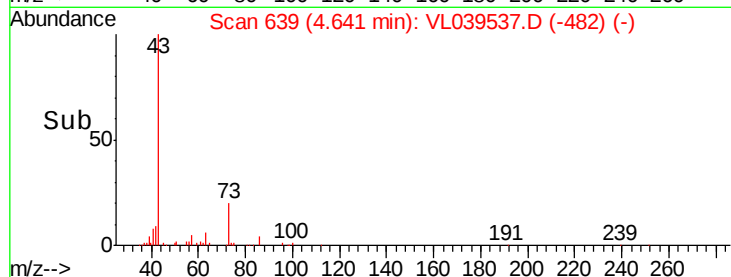
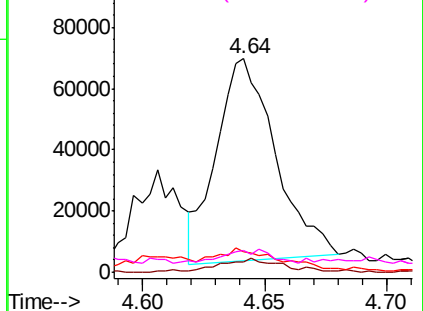
Acq: 17 Aug 2022 4:18

Tot Ion: 43 Resp: 111332

Ion	Ratio	Lower	Upper
43	100		
86	4.6	5.3	7.9#
42	9.0	8.7	13.1
44	5.6	5.1	7.7



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: 1.899 ppbv

RT: 4.58 min Scan# 620

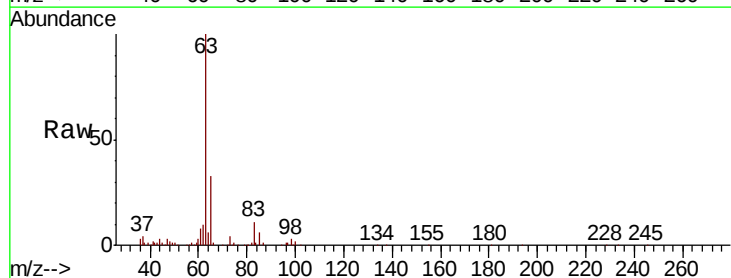
Delta R.T. 0.00 min

Lab File: VL039537.D

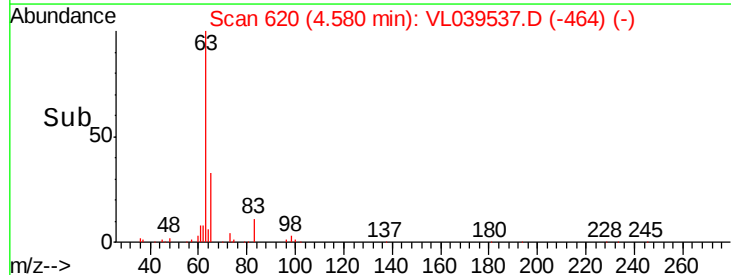
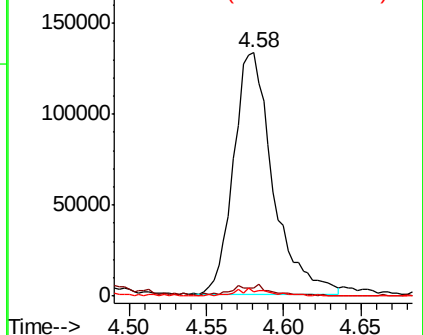
Acq: 17 Aug 2022 4:18

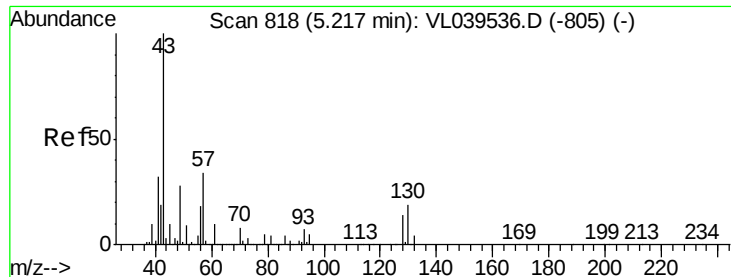
Tgt Ion: 63 Resp: 236791

Ion	Ratio	Lower	Upper
63	100		
98	2.9	1.7	5.0
100	2.0	1.1	3.3



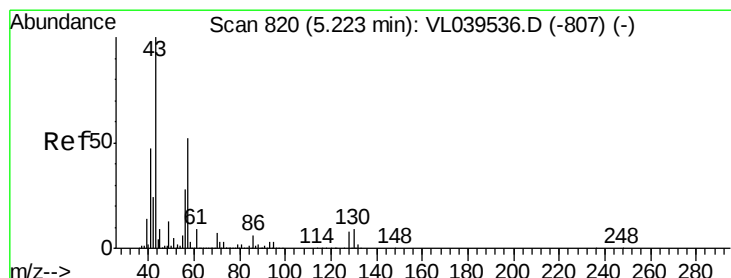
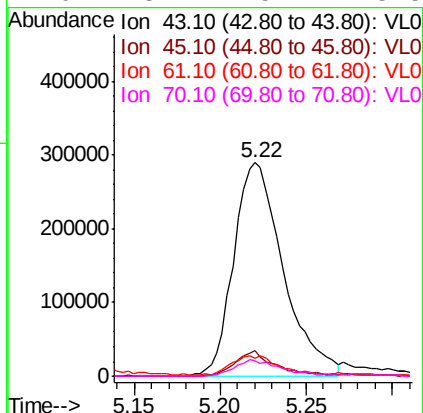
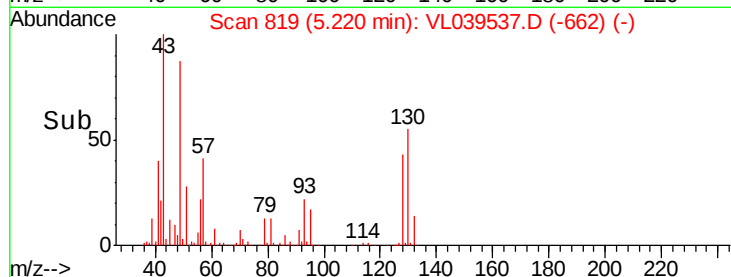
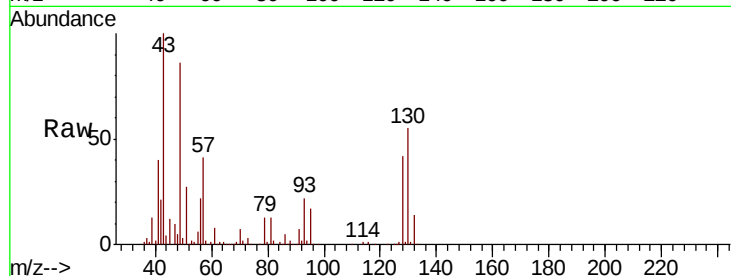
Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





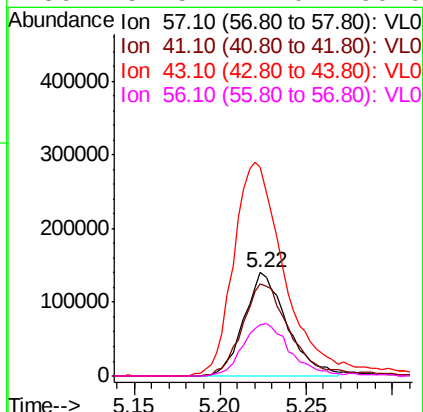
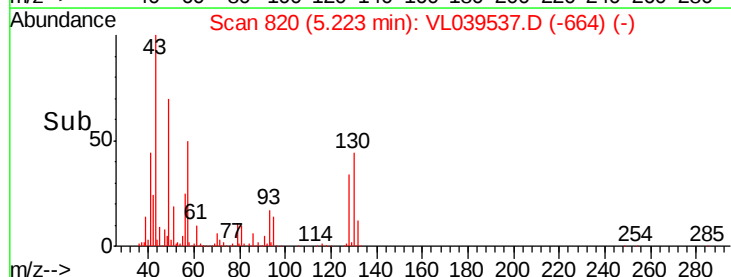
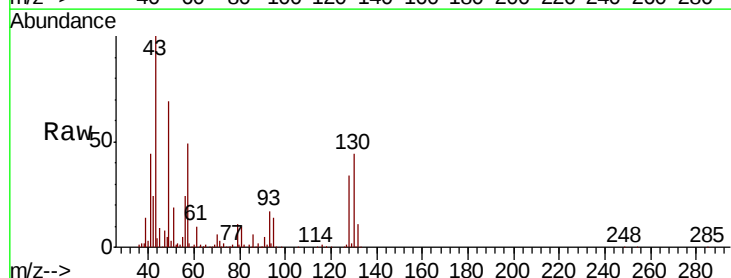
#25
Ethyl Acetate
Concen: 2.120 ppbv
RT: 5.22
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Aug 2022 4:18

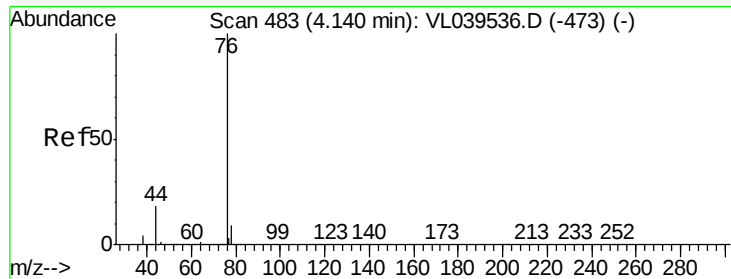
Tot Ion:	43	Resp:	578207
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.2	12.4
61	10.6	8.6	12.8
70	8.4	5.7	8.5



#26
Hexane
Concen: 2.236 ppbv
RT: 5.22 min Scan# 820
Delta R.T. 0.00 min
Lab File: VL039537.D
Acq: 17 Aug 2022 4:18

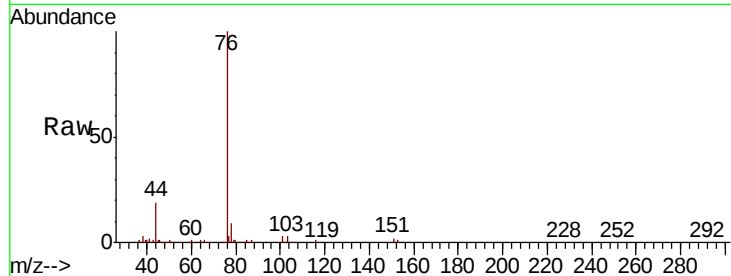
Tgt Ion:	57	Resp:	243273
Ion	Ratio	Lower	Upper
57	100		
41	102.6	79.4	119.2
43	251.2	199.7	299.5
56	57.5	44.0	66.0



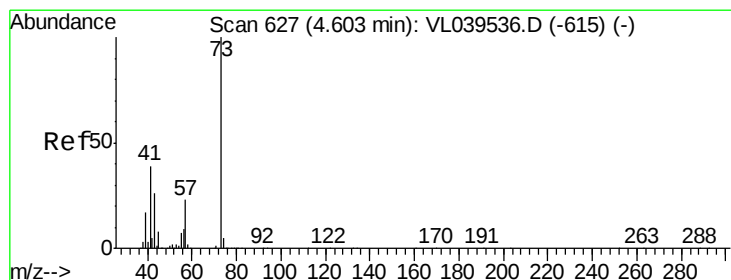
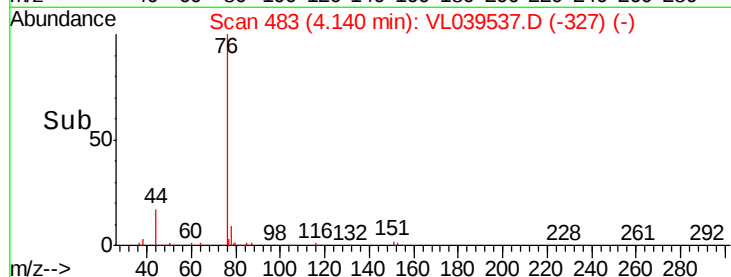
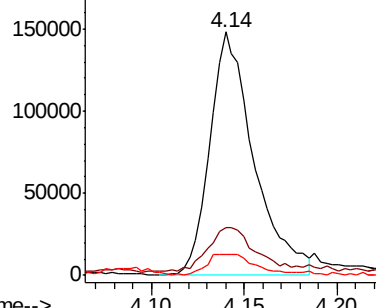


#27
Carbon Disulfide
Concen: 1.856 ppbv
RT: 4.14
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Aug 2022 4:18

Tot Ion: 76 Resp: 243479
Ion Ratio Lower Upper
76 100
44 22.4 16.3 24.5
78 10.5 7.8 11.6

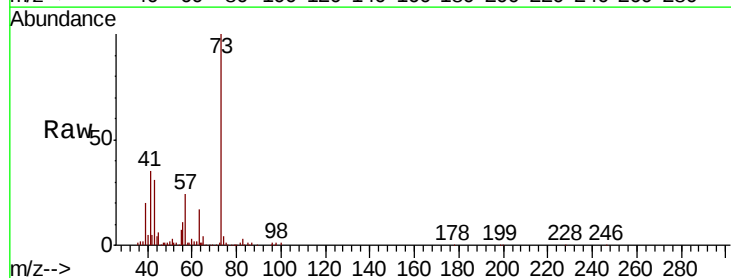


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

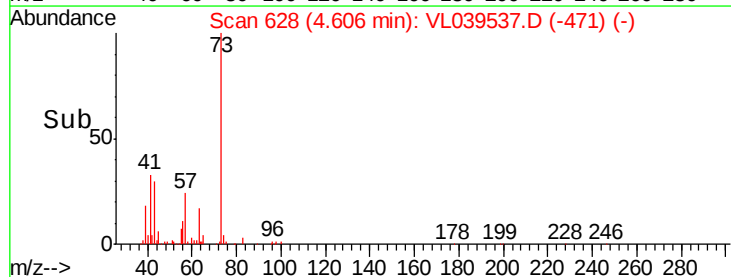
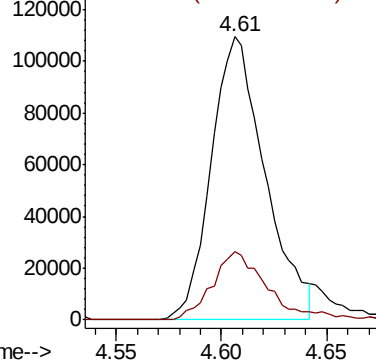


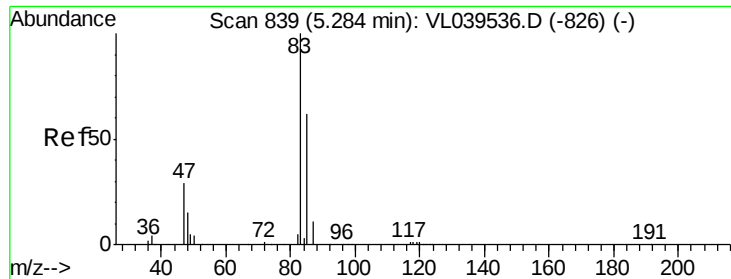
#28
Methyl tert-Butyl Ether
Concen: 1.692 ppbv
RT: 4.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VL039537.D
Acq: 17 Aug 2022 4:18

Tgt Ion: 73 Resp: 194533
Ion Ratio Lower Upper
73 100
57 25.6 19.8 29.6



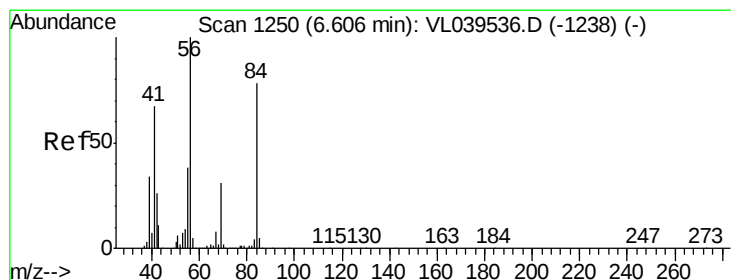
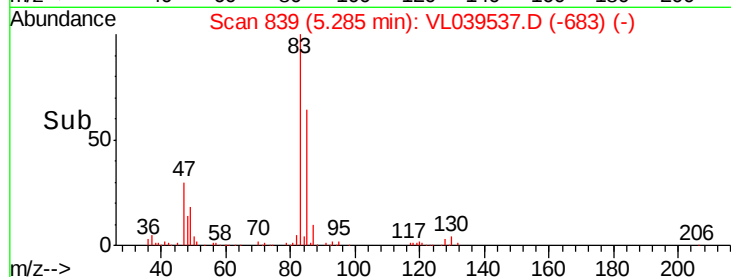
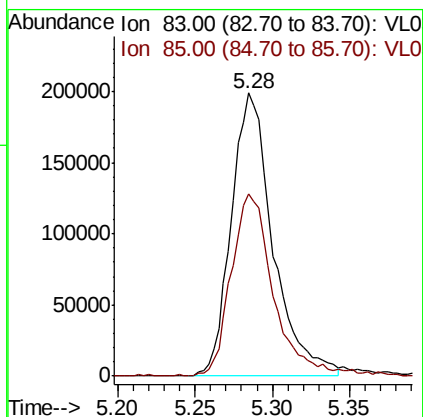
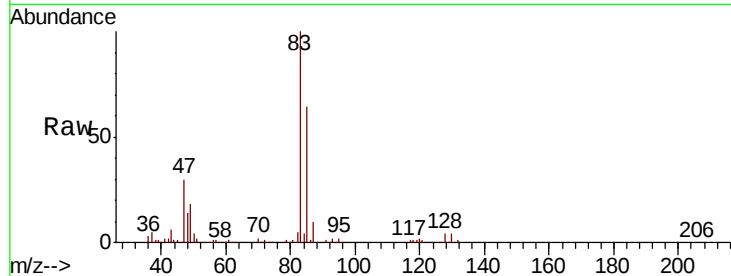
Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





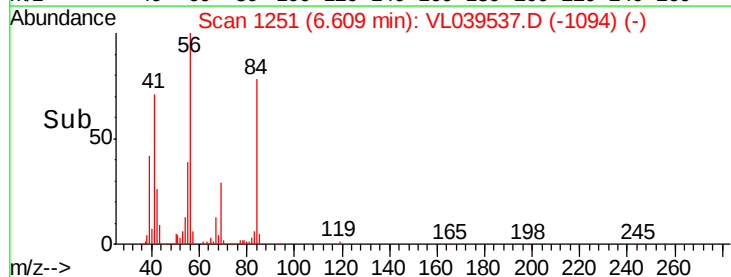
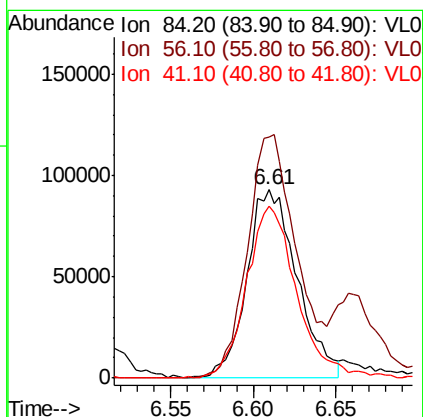
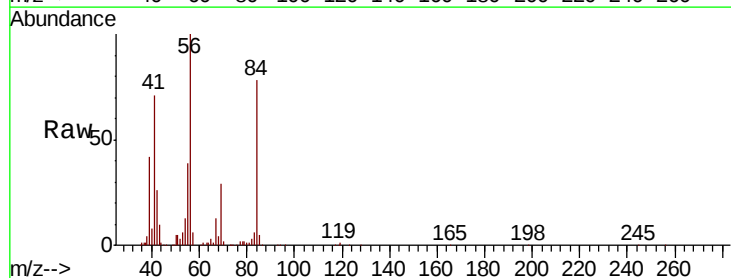
#29
Chloroform
Concen: 1.966 ppbv
RT: 5.28
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Aug 2022 4:18

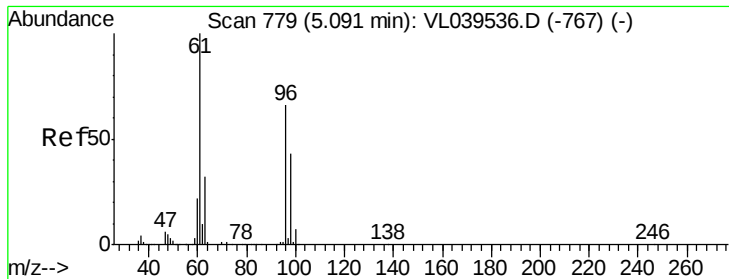
Tot Ion: 83 Resp: 371451
Ion Ratio Lower Upper
83 100
85 64.2 49.8 74.8



#30
Cyclohexane
Concen: 1.978 ppbv
RT: 6.61 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VL039537.D
Acq: 17 Aug 2022 4:18

Tgt Ion: 84 Resp: 196108
Ion Ratio Lower Upper
84 100
56 130.3 0.0 0.0#
41 92.7 0.0 0.0#





#31

cis-1,2-Dichloroethene

Concen: 1.876 ppbv

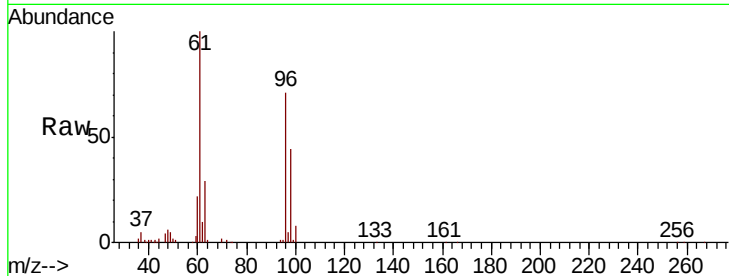
RT: 5.09 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

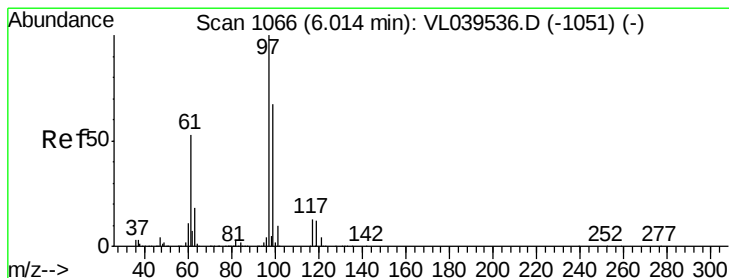
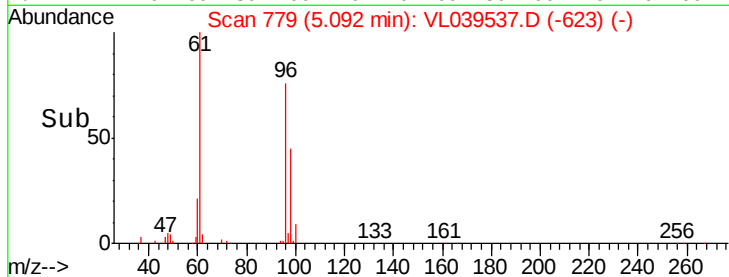
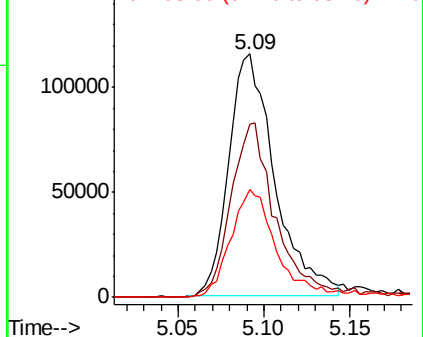
Lab File: VSTDIC002

Acq: 17 Aug 2022 4:18

Tot Ion:	61	Resp:	216730
Ion	Ratio	Lower	Upper
61	100		
96	71.3	52.9	79.3
98	44.3	34.5	51.7



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: 1.826 ppbv

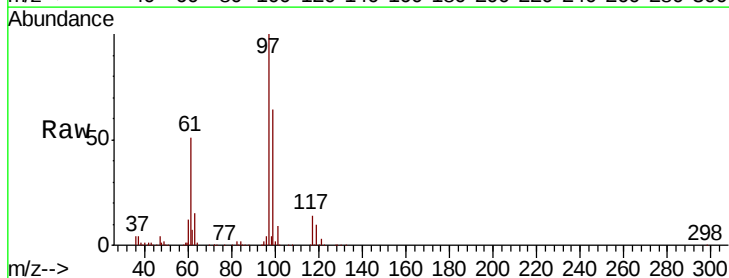
RT: 6.01 min Scan# 1066

Delta R.T. 0.00 min

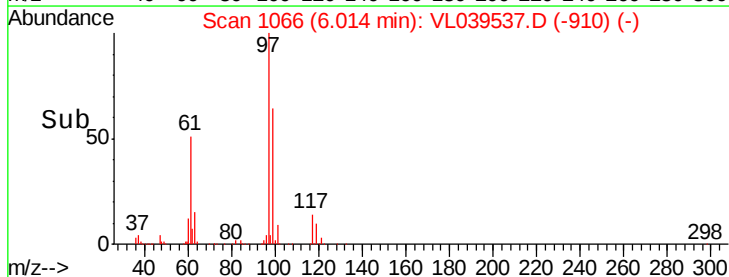
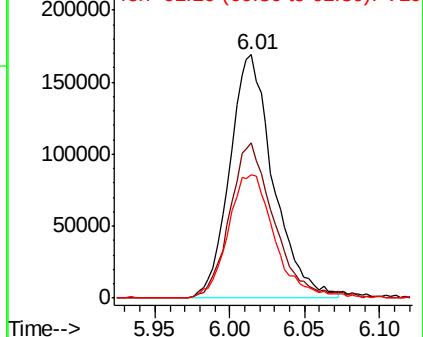
Lab File: VL039537.D

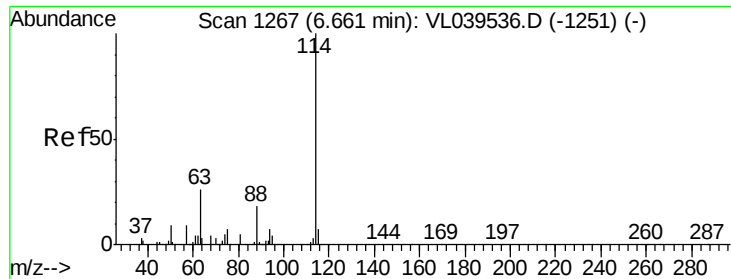
Acq: 17 Aug 2022 4:18

Tgt Ion:	97	Resp:	340777
Ion	Ratio	Lower	Upper
97	100		
99	65.8	52.4	78.6
61	54.9	42.9	64.3



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

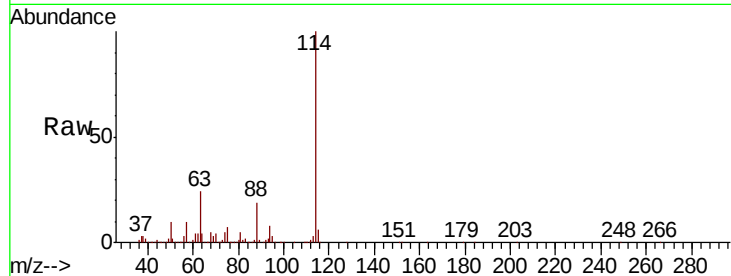




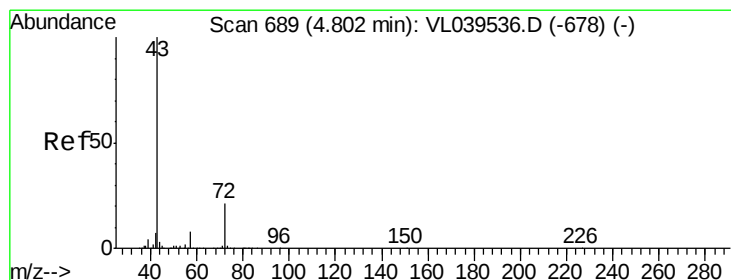
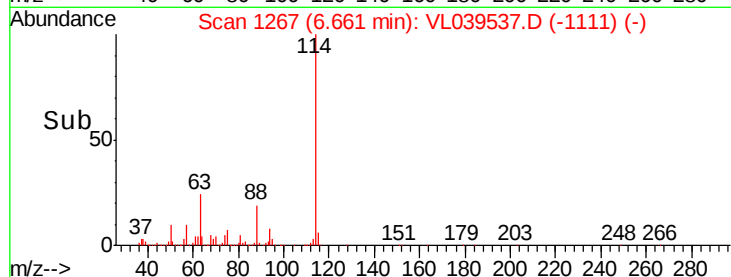
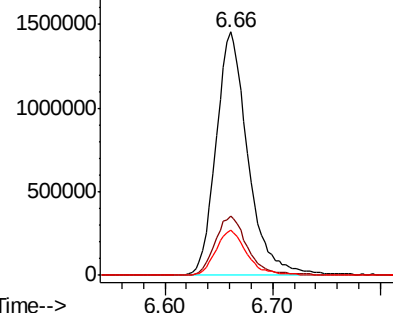
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.66 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 17 Aug 2022 4:18

Tot Ion:114 Resp: 2993315

Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.6	31.0
88	18.3	14.6	22.0



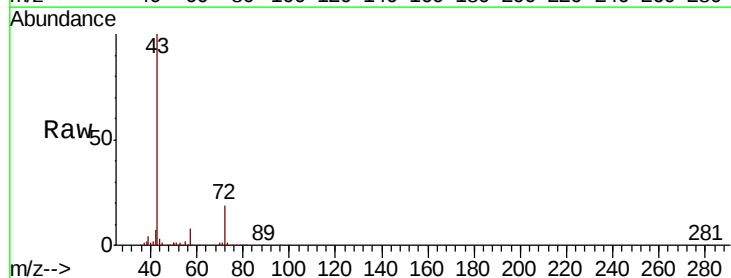
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



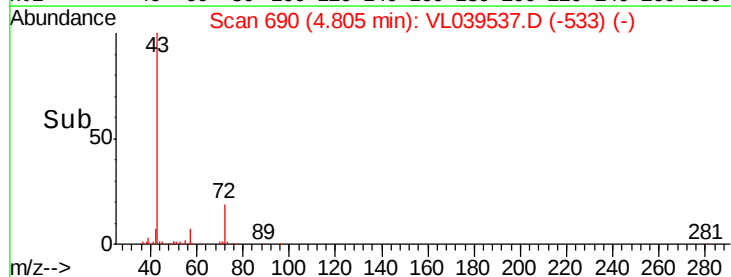
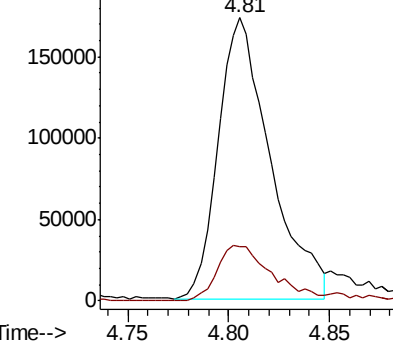
#34
 2-Butanone
 Concen: 2.103 ppbv
 RT: 4.81 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VL039537.D
 Acq: 17 Aug 2022 4:18

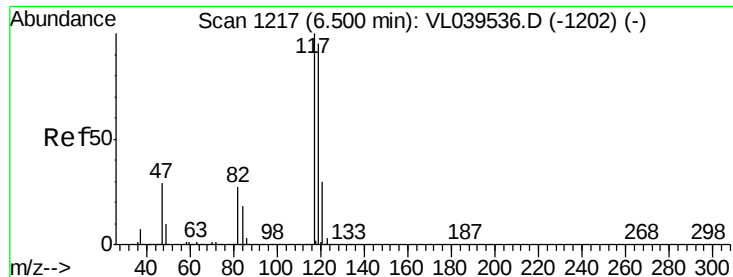
Tgt Ion: 43 Resp: 312880

Ion	Ratio	Lower	Upper
43	100		
72	24.0	17.4	26.0



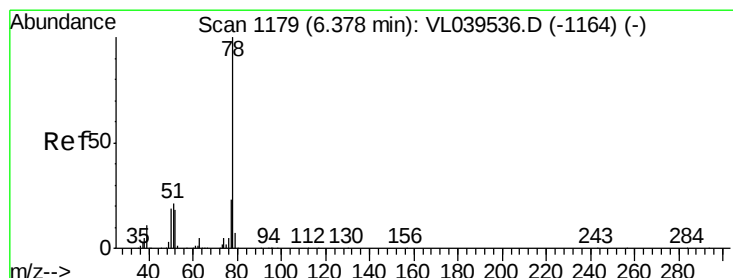
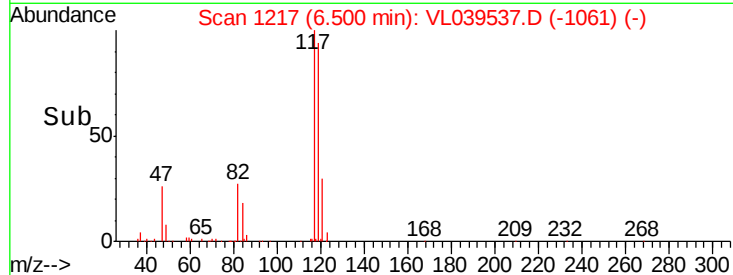
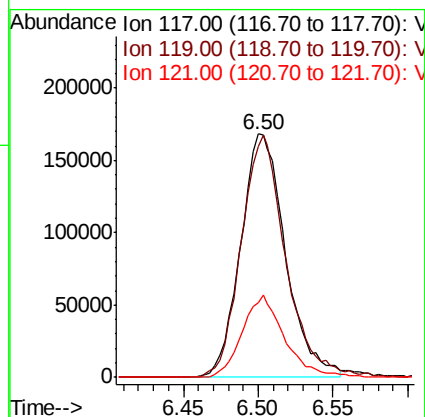
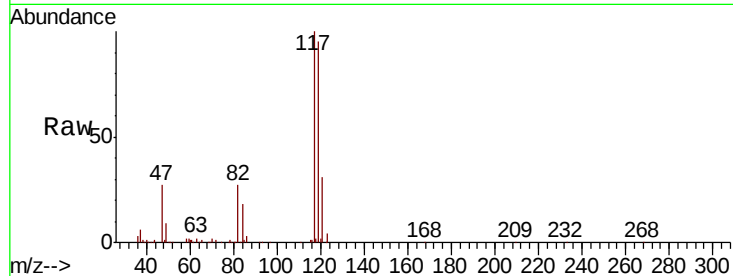
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





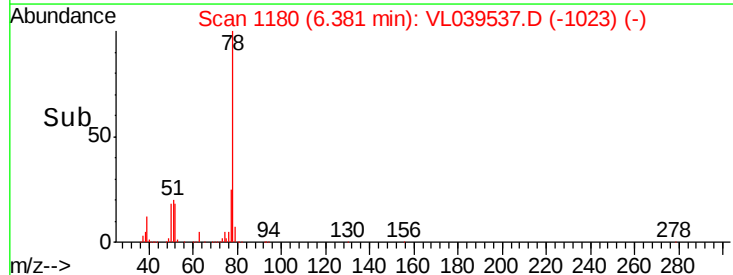
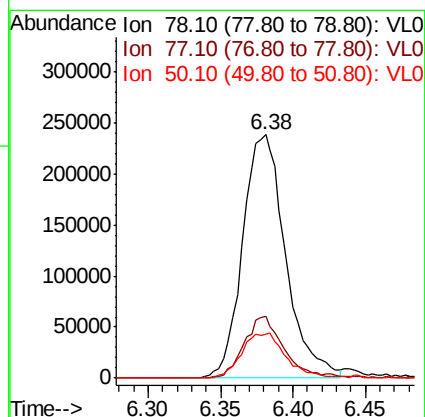
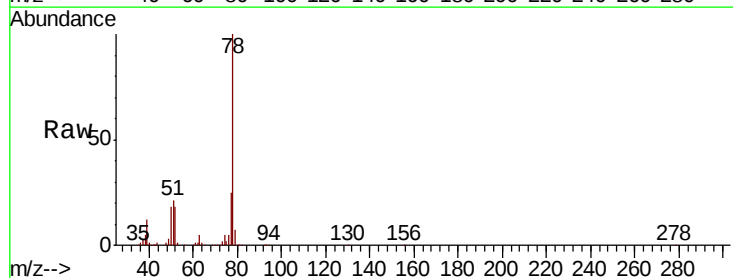
#35
Carbon Tetrachloride
Concen: 1.925 ppbv
RT: 6.50
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Aug 2022 4:18

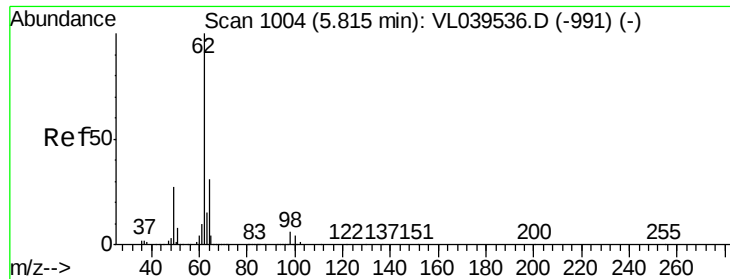
Tot Ion:117 Resp: 350972
Ion Ratio Lower Upper
117 100
119 95.0 76.2 114.4
121 30.7 24.4 36.6



#36
Benzene
Concen: 2.132 ppbv
RT: 6.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VL039537.D
Acq: 17 Aug 2022 4:18

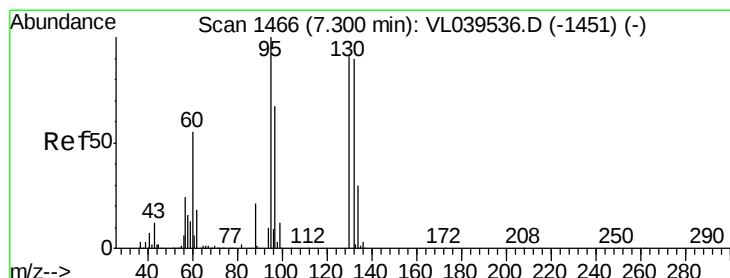
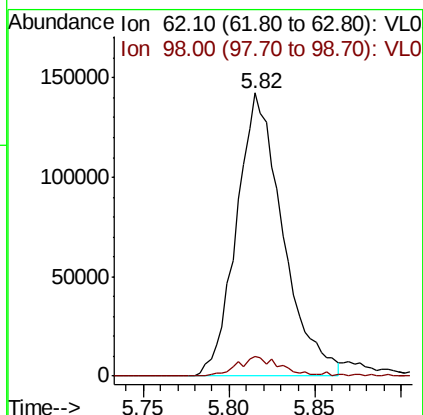
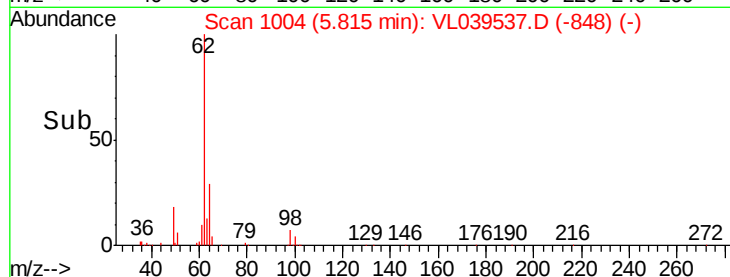
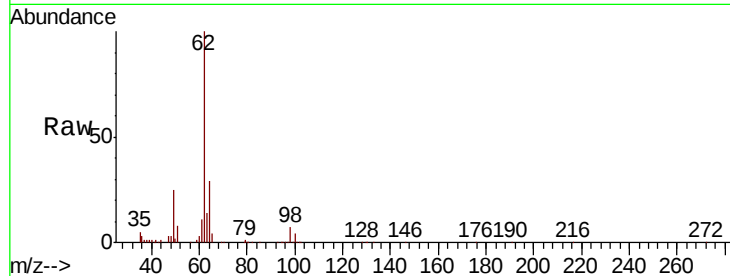
Tgt Ion: 78 Resp: 491581
Ion Ratio Lower Upper
78 100
77 25.3 18.6 27.8
50 17.9 15.0 22.4





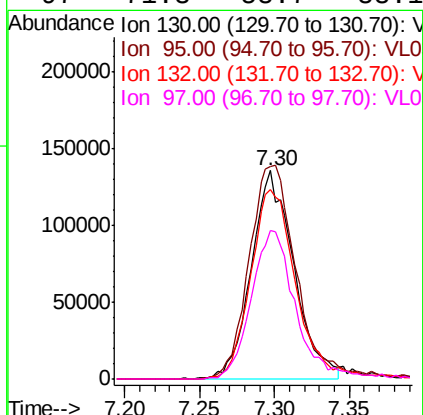
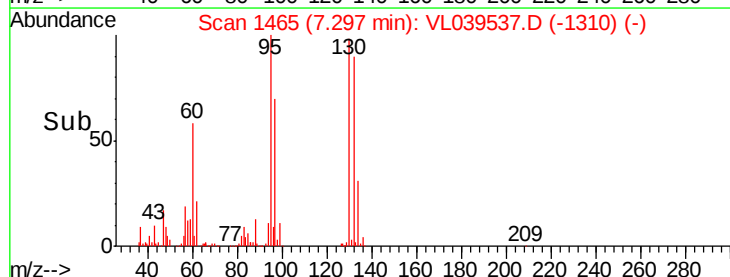
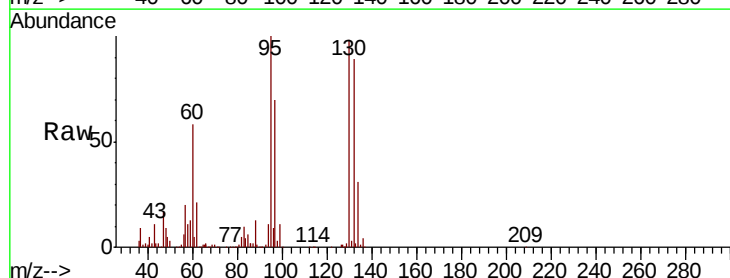
#37
 1,2-Dichloroethane
 Concen: 1.972 ppbv
 RT: 5.82
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 17 Aug 2022 4:18

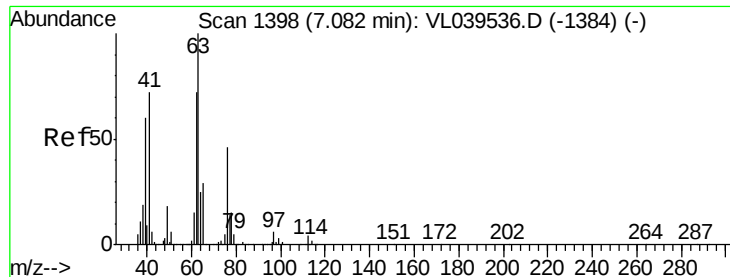
Tot Ion: 62 Resp: 265673
 Ion Ratio Lower Upper
 62 100
 98 6.9 5.4 8.2



#38
 Trichloroethene
 Concen: 2.130 ppbv
 RT: 7.30 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VL039537.D
 Acq: 17 Aug 2022 4:18

Tgt Ion: 130 Resp: 267787
 Ion Ratio Lower Upper
 130 100
 95 102.1 88.0 132.0
 132 91.2 79.1 118.7
 97 71.3 58.7 88.1





#39

1,2-Dichloropropane

Concen: 2.214 ppbv

RT: 7.08 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Aug 2022 4:18

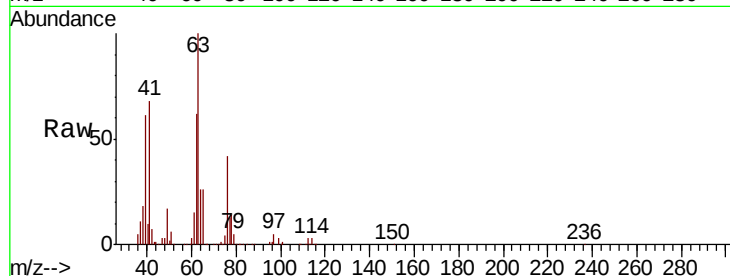
Tot Ion: 63 Resp: 190515

Ion Ratio Lower Upper

63 100

41 67.7 58.0 87.0

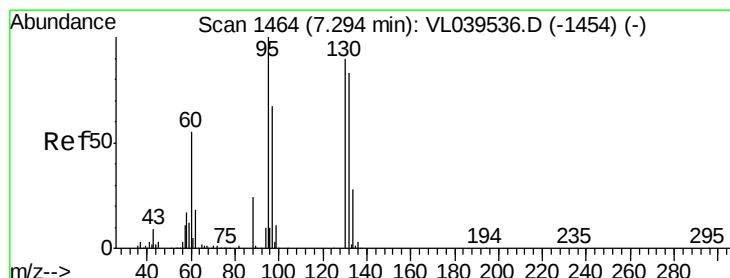
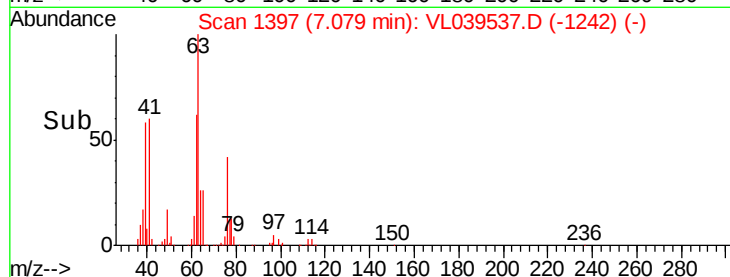
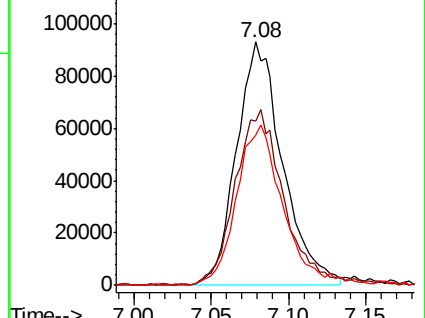
62 62.0 57.8 86.8



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: 1.772 ppbv

RT: 7.31 min Scan# 1468

Delta R.T. 0.01 min

Lab File: VL039537.D

Acq: 17 Aug 2022 4:18

Tgt Ion: 88 Resp: 60337

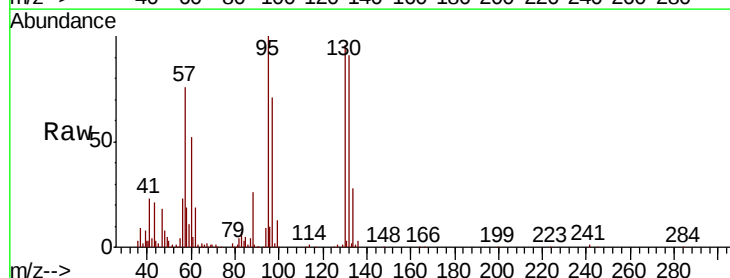
Ion Ratio Lower Upper

88 100

58 148.3 102.8 154.2

43 0.0 216.2 324.2#

57 0.0 910.0 1365.0#

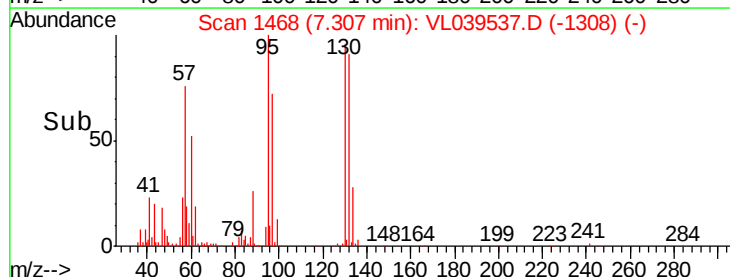
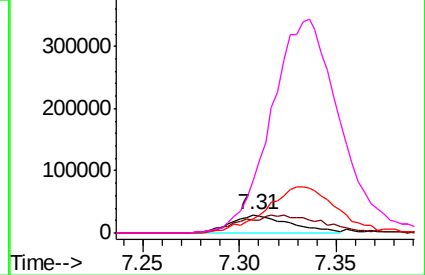


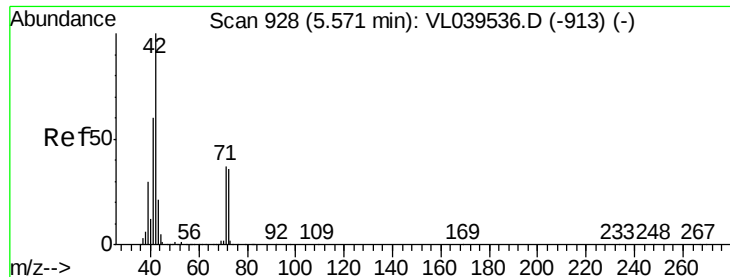
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 2.162 ppbv

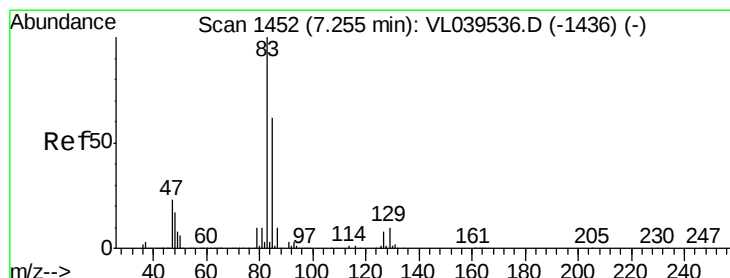
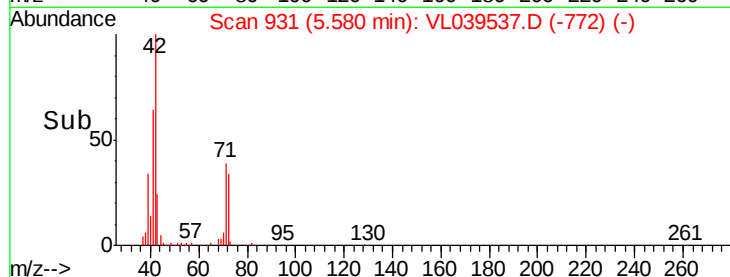
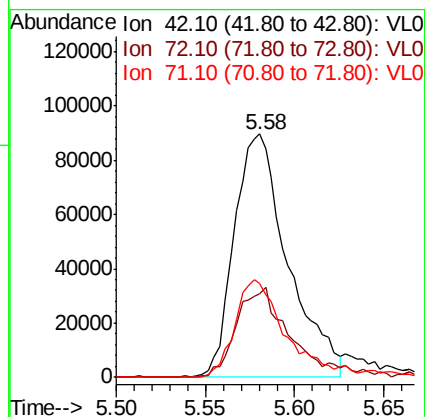
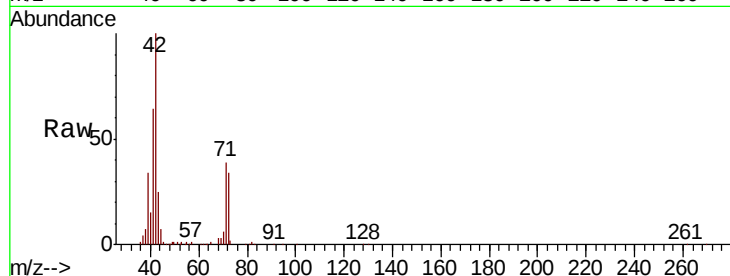
RT: 5.58 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC002

Acq: 17 Aug 2022 4:18

Tot Ion:	42	Resp:	188080
Ion	Ratio	Lower	Upper
42	100		
72	39.4	30.6	45.8
71	40.6	30.7	46.1



#42

Bromodichloromethane

Concen: 2.017 ppbv

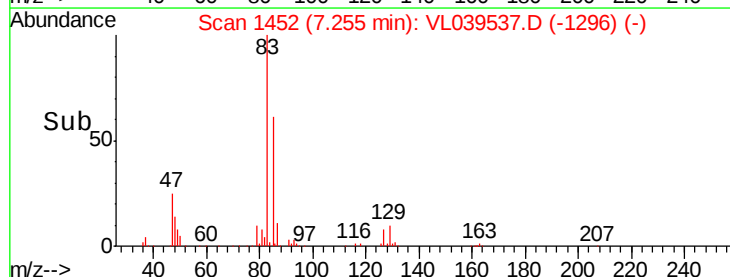
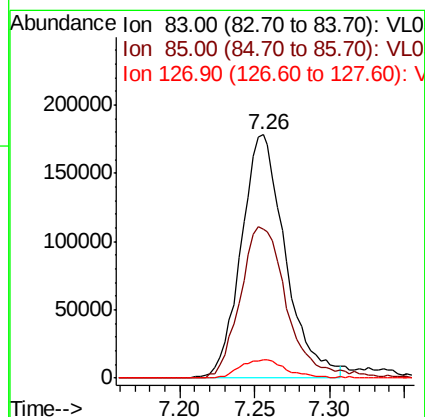
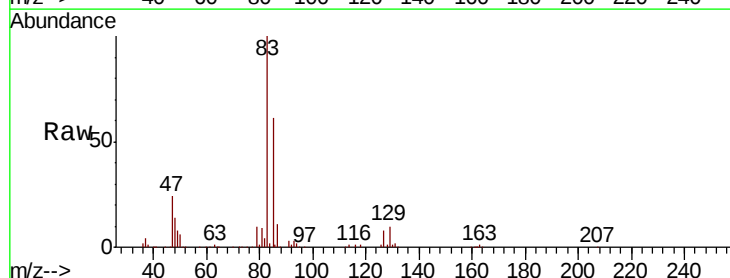
RT: 7.26 min Scan# 1452

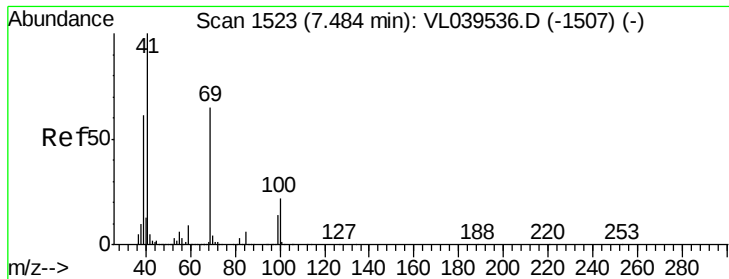
Delta R.T. 0.00 min

Lab File: VL039537.D

Acq: 17 Aug 2022 4:18

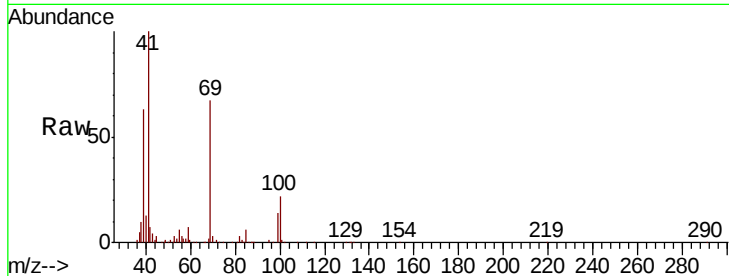
Tgt Ion:	83	Resp:	366849
Ion	Ratio	Lower	Upper
83	100		
85	60.9	49.9	74.9
127	7.6	6.7	10.1



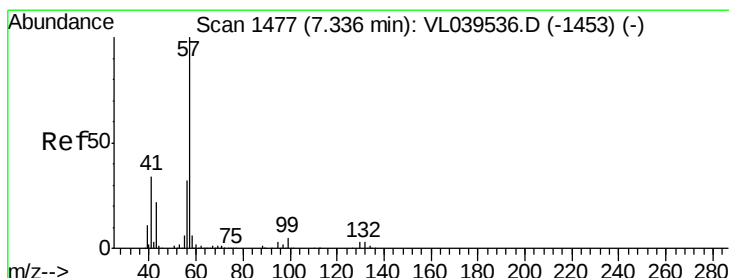
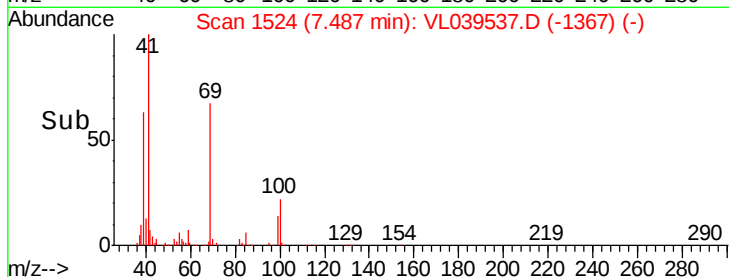
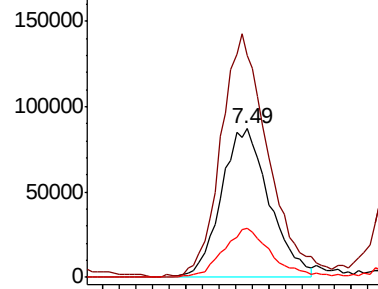


#43
Methyl Methacrylate
Concen: 2.006 ppbv
RT: 7.49
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC002
Acq: 17 Aug 2022 4:18

Tot Ion	69	Resp	174899
Ion Ratio	Lower	Upper	
69	100		
41	160.0	123.0	184.6
100	33.3	27.4	41.2

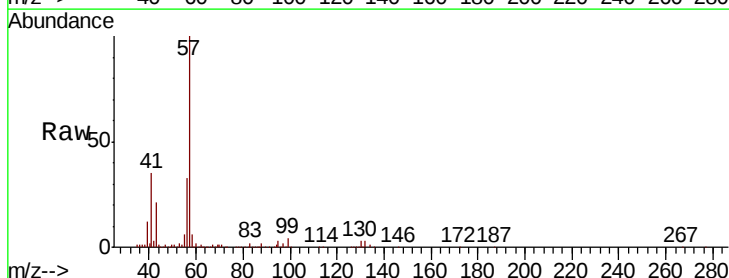


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

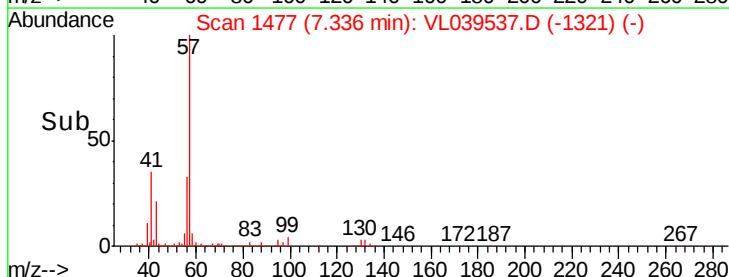
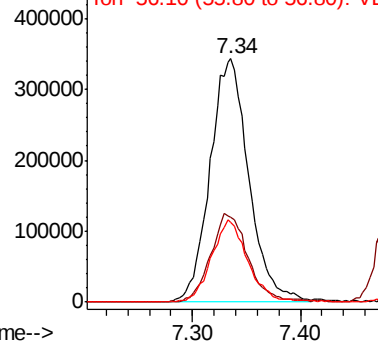


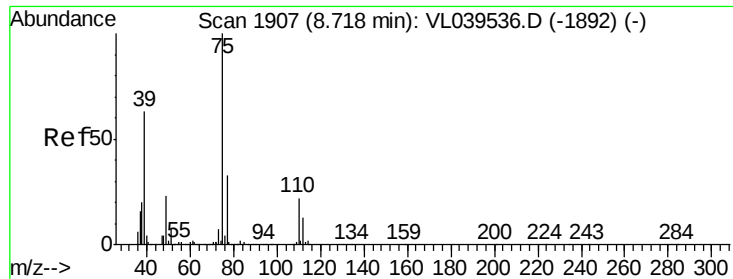
#44
2,2,4-Trimethylpentane
Concen: 2.196 ppbv
RT: 7.34 min Scan# 1477
Delta R.T.: 0.00 min
Lab File: VL039537.D
Acq: 17 Aug 2022 4:18

Tgt Ion	57	Resp	857217
Ion Ratio	Lower	Upper	
57	100		
41	35.3	27.8	41.6
56	31.7	25.5	38.3



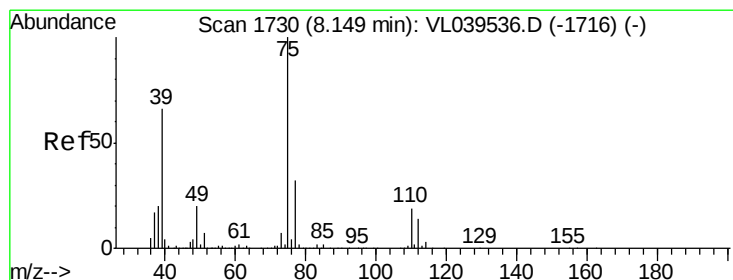
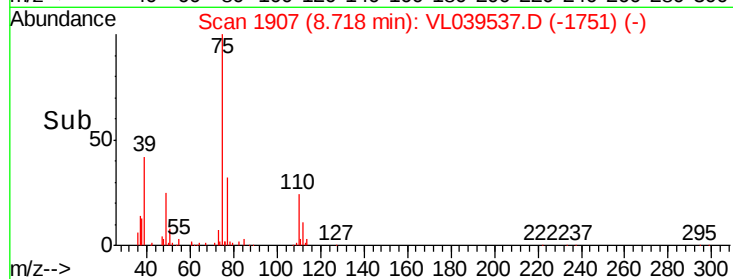
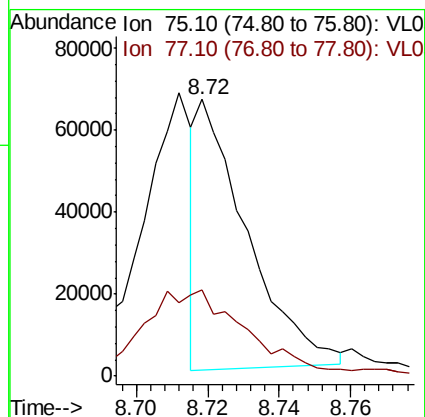
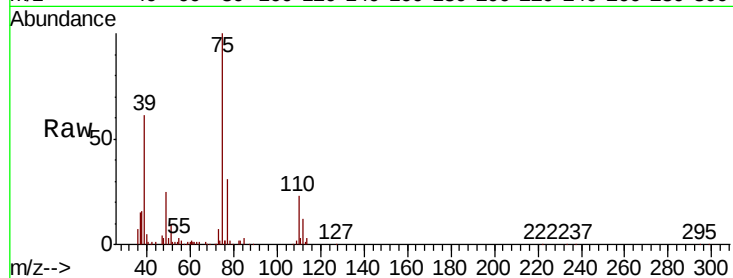
Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





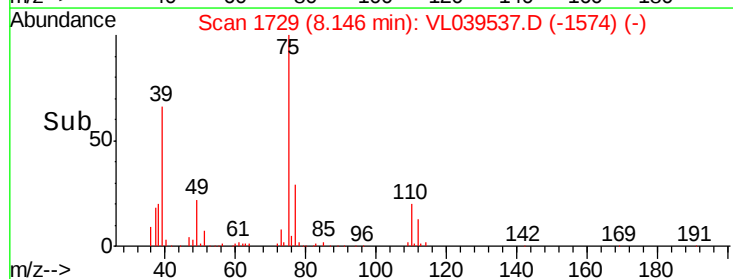
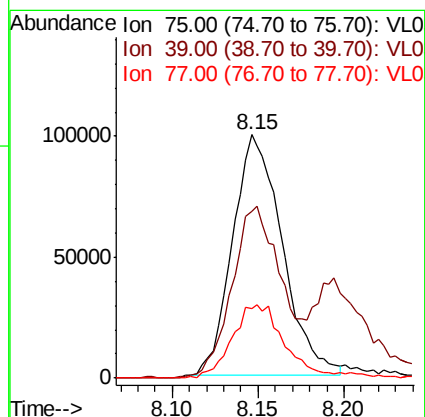
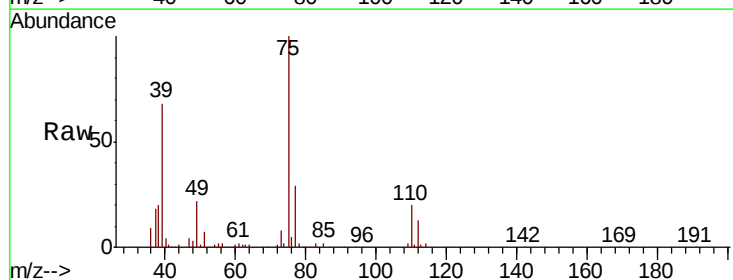
#45
t-1,3-Dichloropropene
Concen: 0.834 ppbv
RT: 8.72 Instrument : MSVOA_1
Delta R.T. ClientSampleId :
Lab File: VSTDIC002
Acq: 17 Aug 2022 4:18

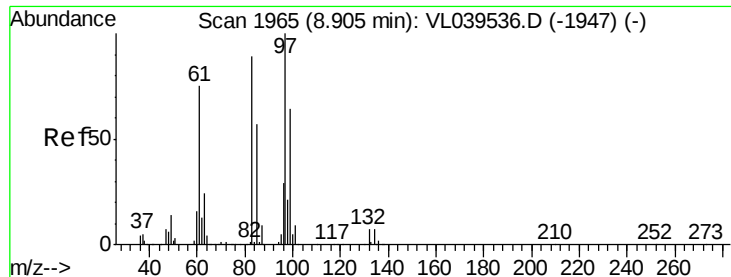
Tot Ion: 75 Resp: 63446
Ion Ratio Lower Upper
75 100
77 31.1 26.2 39.2



#46
cis-1,3-Dichloropropene
Concen: 1.890 ppbv
RT: 8.15 min Scan# 1729
Delta R.T. -0.00 min
Lab File: VL039537.D
Acq: 17 Aug 2022 4:18

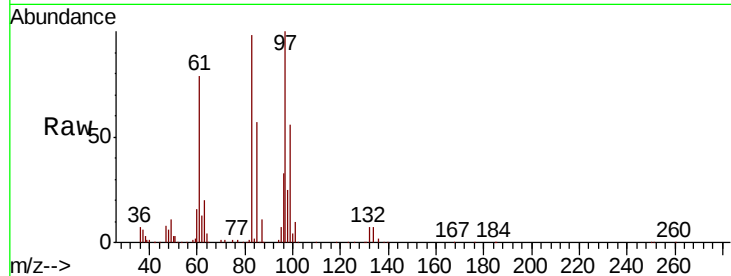
Tgt Ion: 75 Resp: 200754
Ion Ratio Lower Upper
75 100
39 68.0 52.8 79.2
77 28.6 25.3 37.9



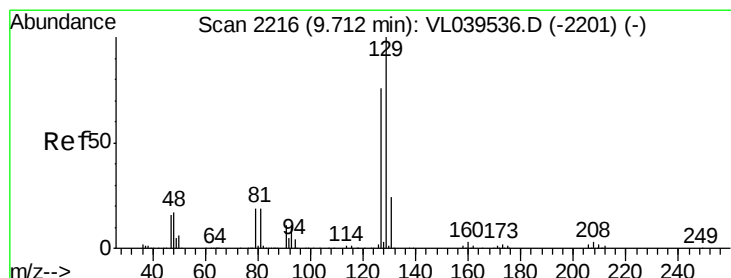
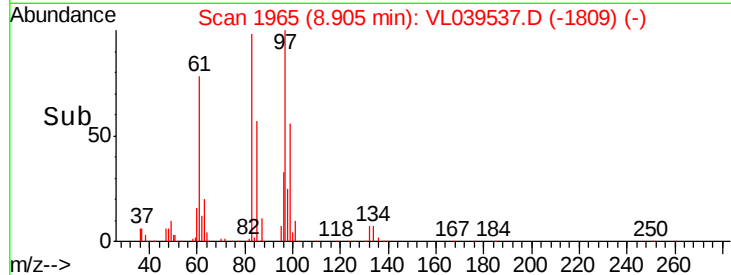
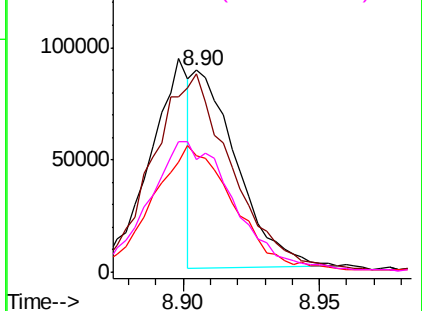


#47
 1,1,2-Trichloroethane
 Concen: 1.013 ppbv
 RT: 8.90
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 17 Aug 2022 4:18

Tot Ion:	97	Resp:	97790
Ion	Ratio	Lower	Upper
97	100		
83	98.7	70.8	106.2
85	57.3	45.4	68.2
99	55.0	51.5	77.3

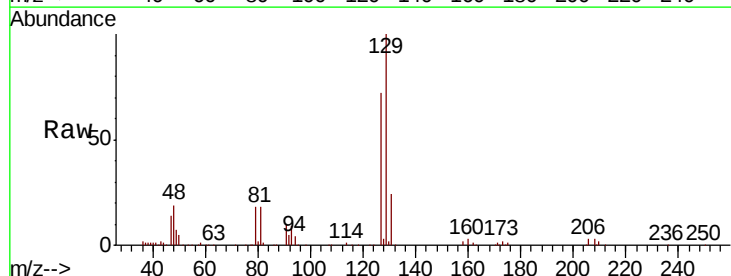


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

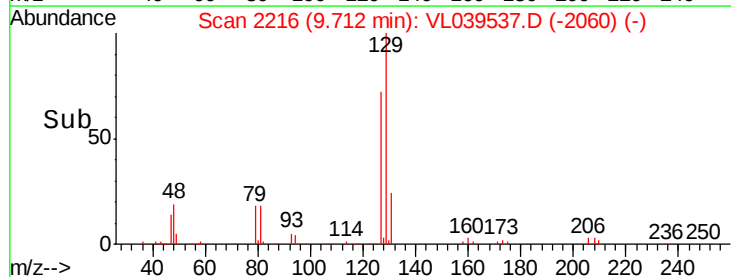
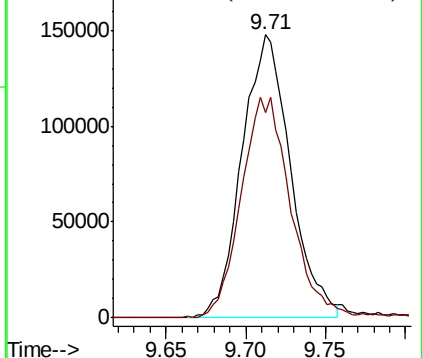


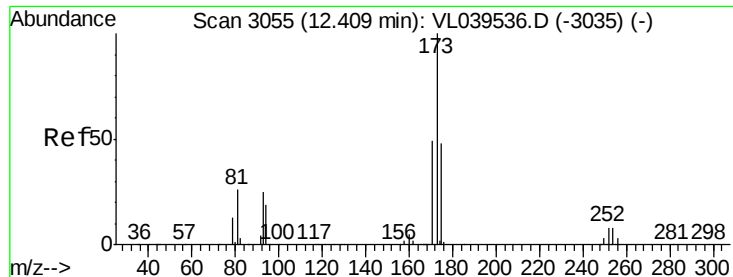
#48
 Dibromochloromethane
 Concen: 2.017 ppbv
 RT: 9.71 min Scan# 2216
 Delta R.T. 0.00 min
 Lab File: VL039537.D
 Acq: 17 Aug 2022 4:18

Tgt Ion:	129	Resp:	307196
Ion	Ratio	Lower	Upper
129	100		
127	80.4	38.8	116.3



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





#49

Bromoform

Concen: 2.095 ppbv

RT: 12.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 17 Aug 2022 4:18

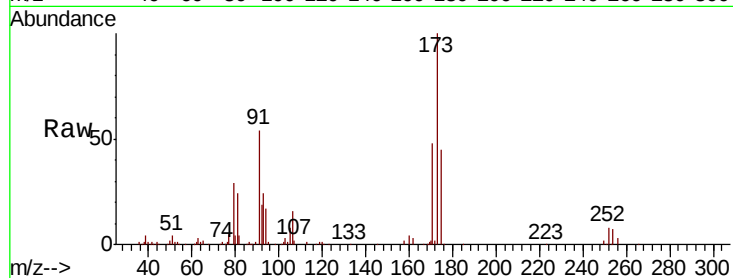
Tot Ion: 173 Resp: 257855

Ion Ratio Lower Upper

173 100

175 49.3 0.0 0.0#

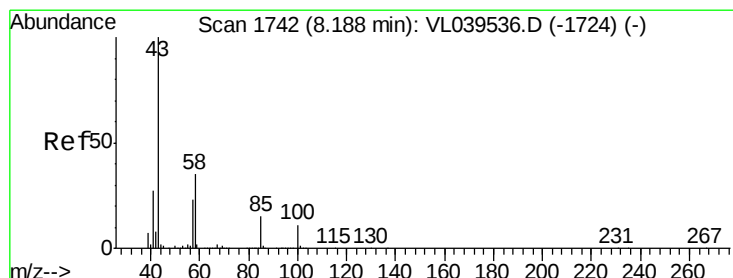
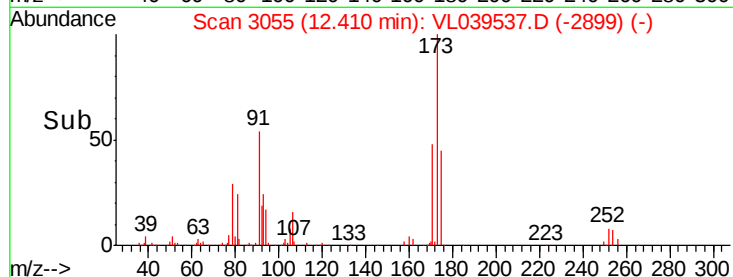
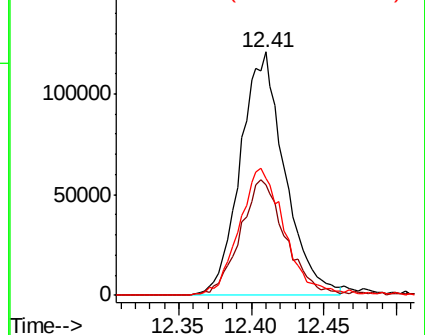
171 54.8 0.0 0.0#



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: 2.248 ppbv

RT: 8.19 min Scan# 1744

Delta R.T. 0.01 min

Lab File: VL039537.D

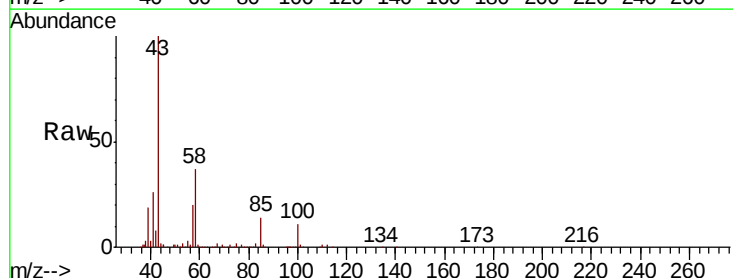
Acq: 17 Aug 2022 4:18

Tgt Ion: 43 Resp: 512068

Ion Ratio Lower Upper

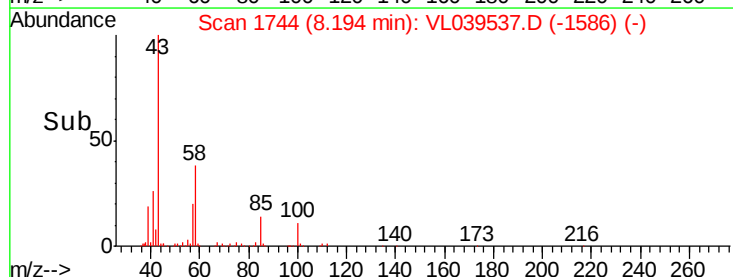
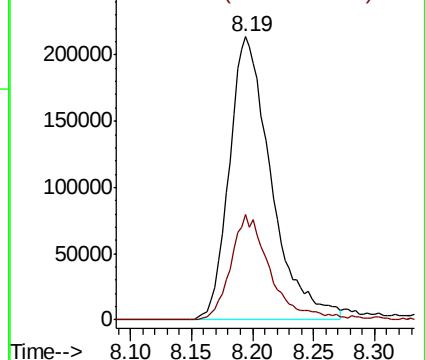
43 100

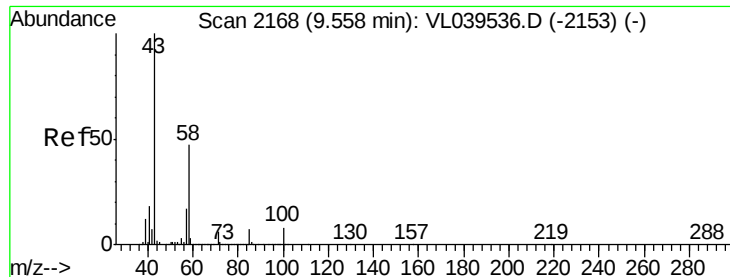
58 35.3 28.0 42.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

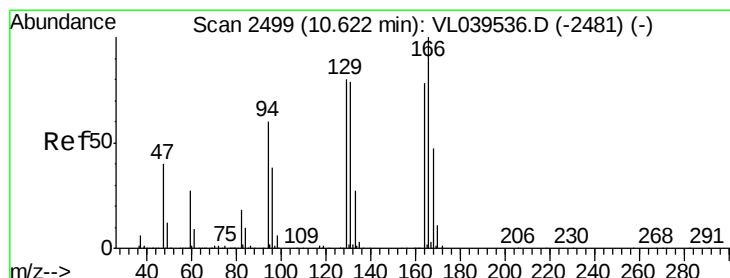
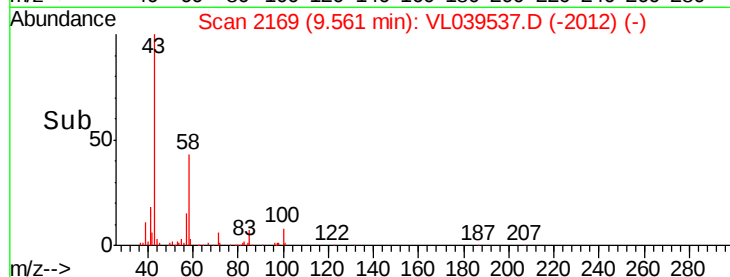
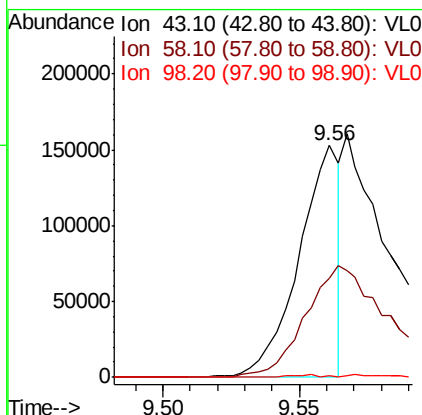
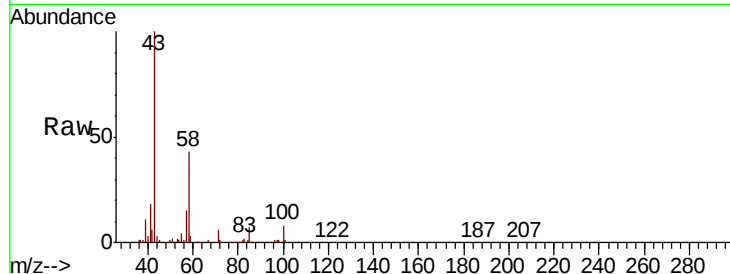
Ion 58.10 (57.80 to 58.80): VL0





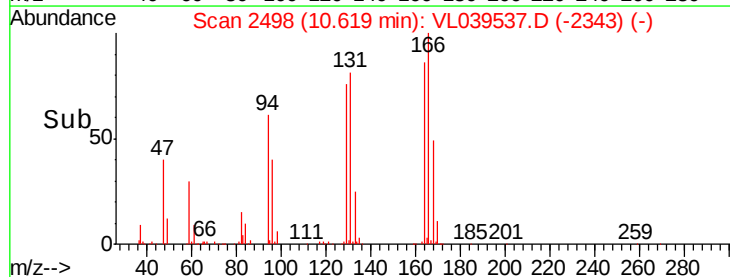
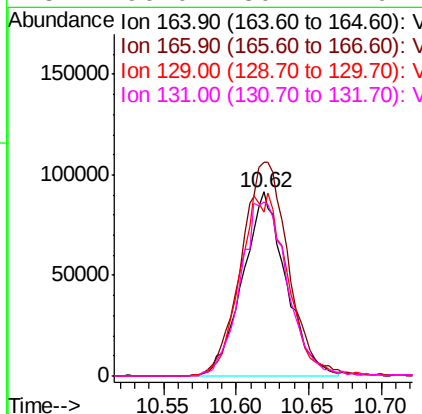
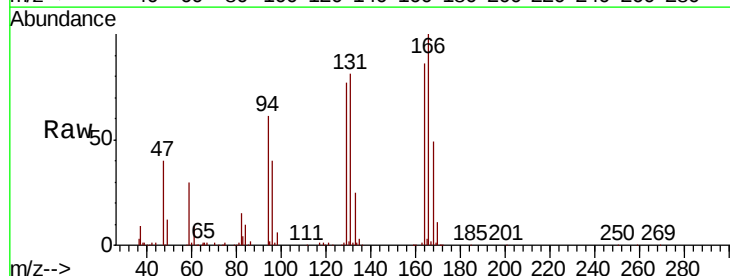
#51
2-Hexanone
Concen: 0.920 ppbv
RT: 9.56
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Aug 2022 4:18

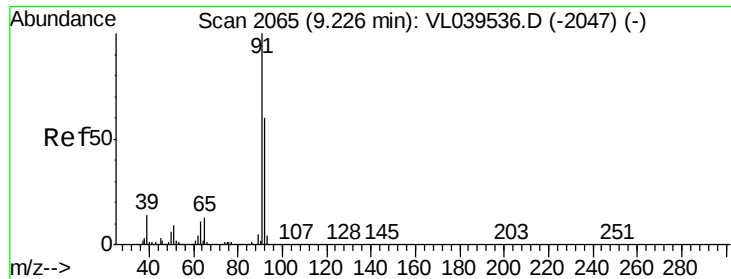
Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	37.5	56.3#
98	0.0	0.5	0.7#



#52
Tetrachloroethene
Concen: 2.050 ppbv
RT: 10.62 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VL039537.D
Acq: 17 Aug 2022 4:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	116.3	102.0	153.0
129	89.0	81.7	122.5
131	96.0	80.2	120.2





#53

Toluene

Concen: 2.146 ppbv

RT: 9.23 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

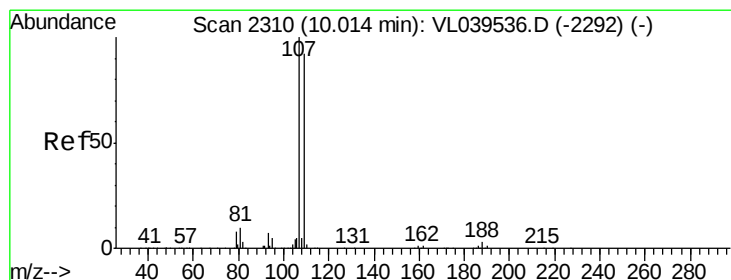
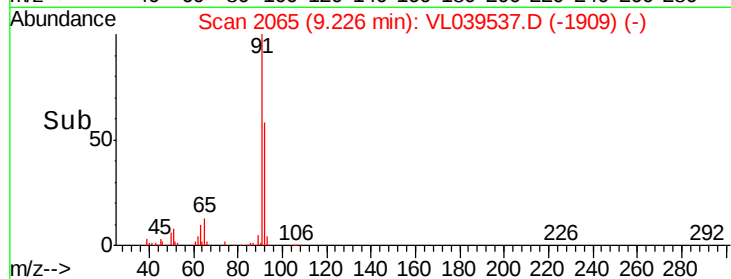
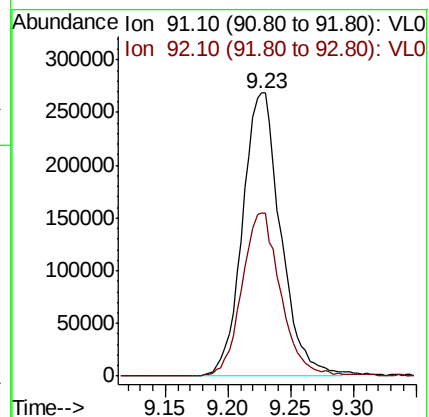
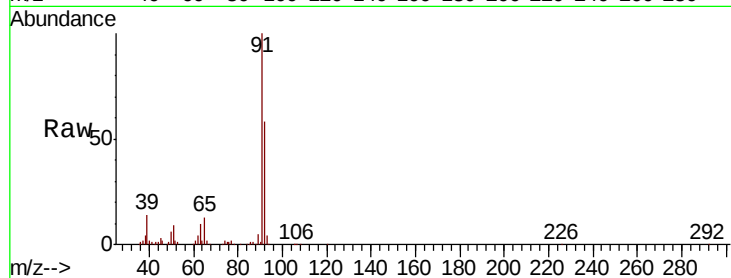
Acq: 17 Aug 2022 4:18 VSTDIC002

Tot Ion: 91 Resp: 568316

Ion Ratio Lower Upper

91 100

92 59.0 47.9 71.9



#54

1,2-Dibromoethane

Concen: 2.012 ppbv

RT: 10.01 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VL039537.D

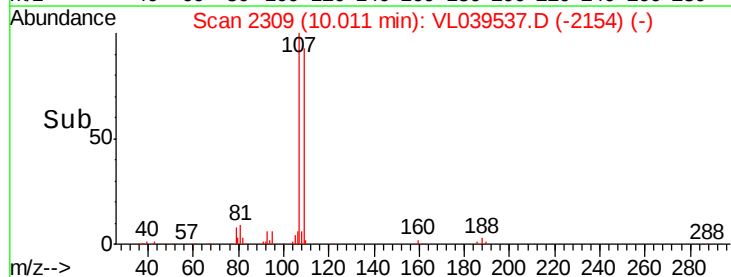
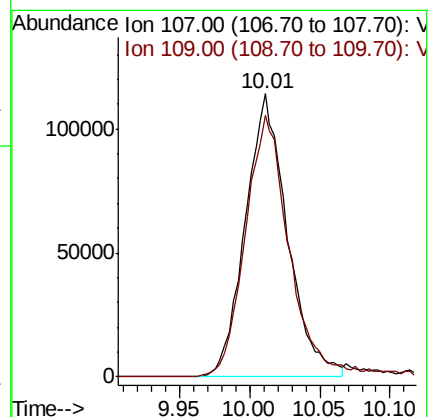
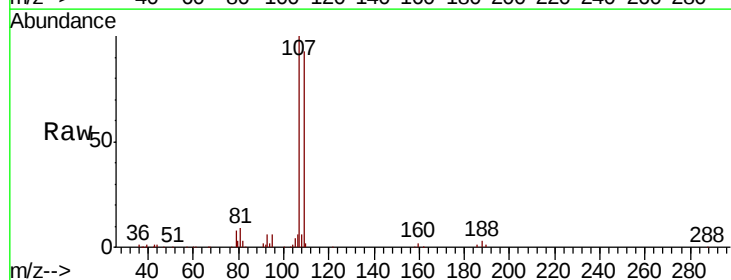
Acq: 17 Aug 2022 4:18

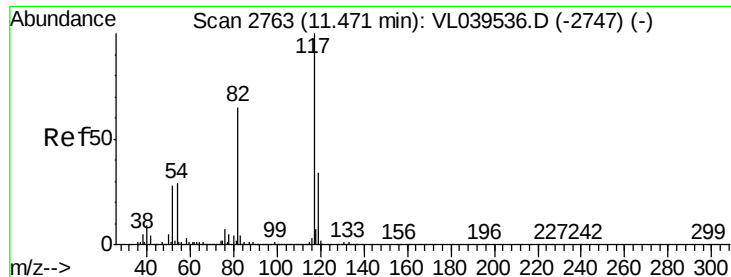
Tgt Ion: 107 Resp: 238123

Ion Ratio Lower Upper

107 100

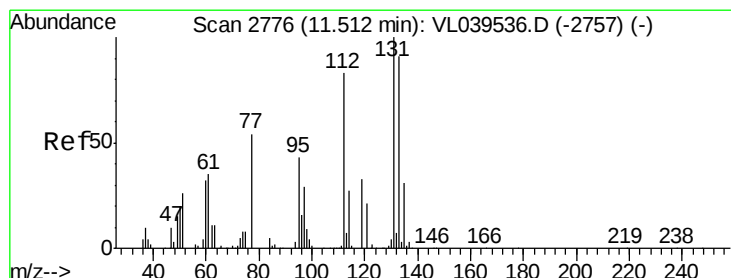
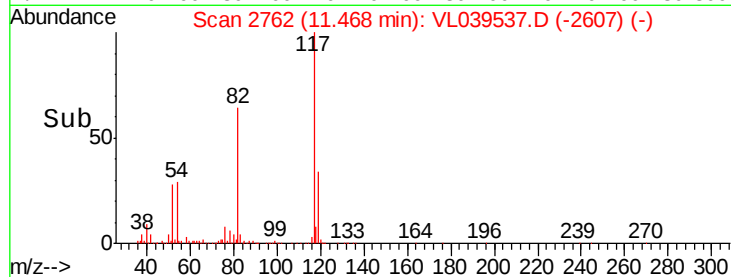
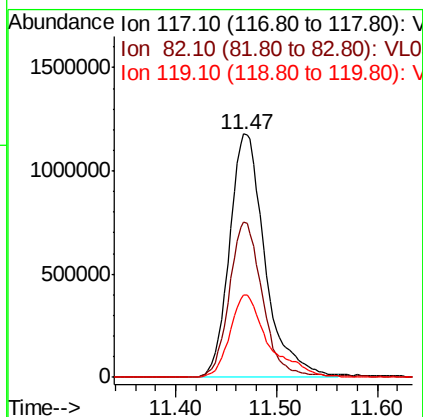
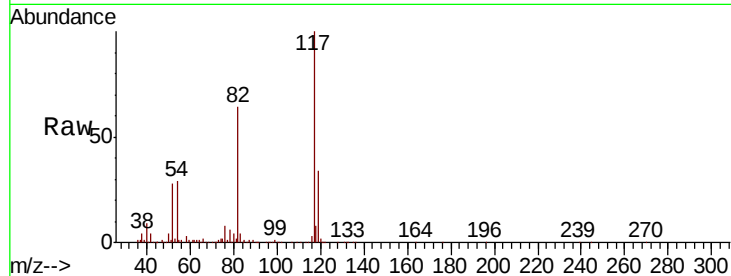
109 92.6 73.4 110.2





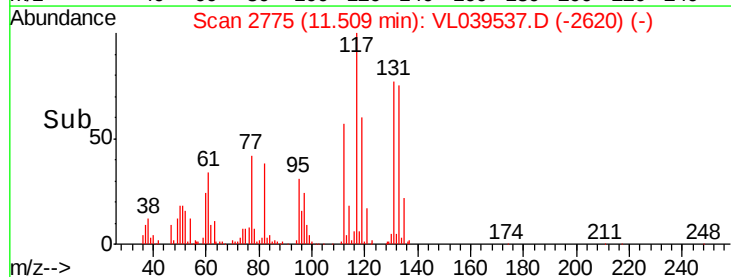
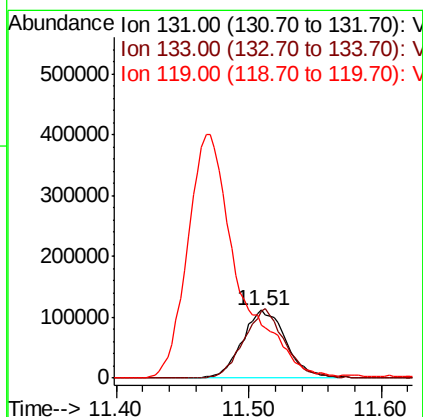
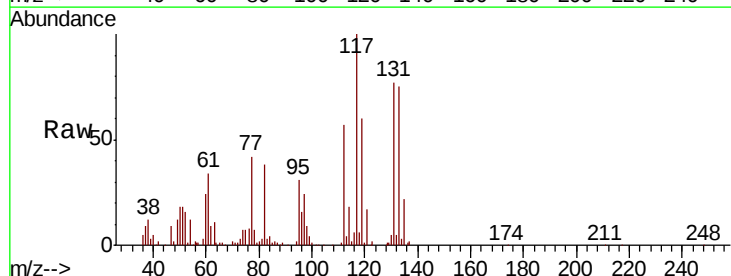
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.47 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC002
Acq: 17 Aug 2022 4:18

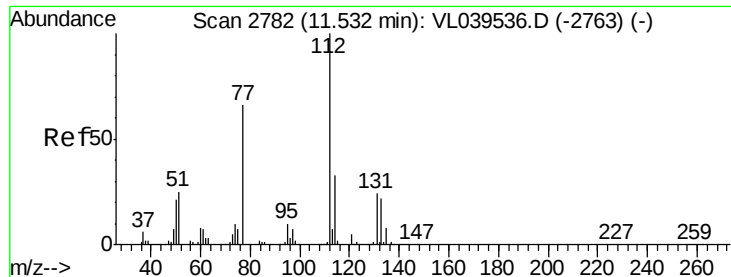
Tot Ion:117 Resp: 2893489
Ion Ratio Lower Upper
117 100
82 60.8 49.1 73.7
119 37.1 25.9 38.9



#56
1,1,1,2-Tetrachloroethane
Concen: 2.055 ppbv
RT: 11.51 min Scan# 2775
Delta R.T. -0.00 min
Lab File: VL039537.D
Acq: 17 Aug 2022 4:18

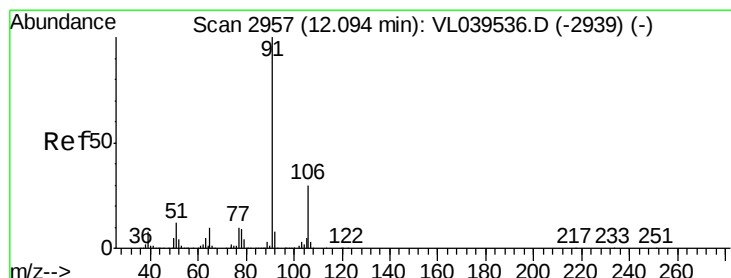
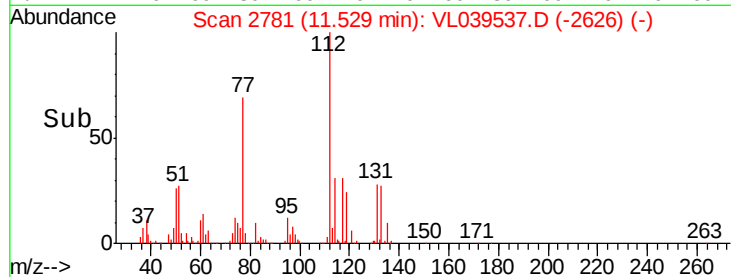
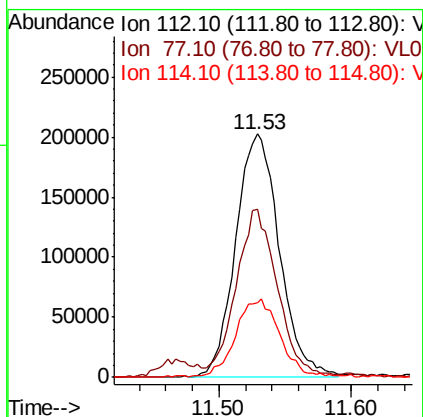
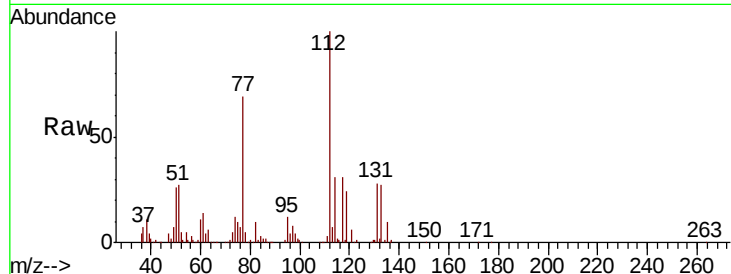
Tgt Ion:131 Resp: 257363
Ion Ratio Lower Upper
131 100
133 95.8 75.4 113.2
119 416.7 47.4 71.2#





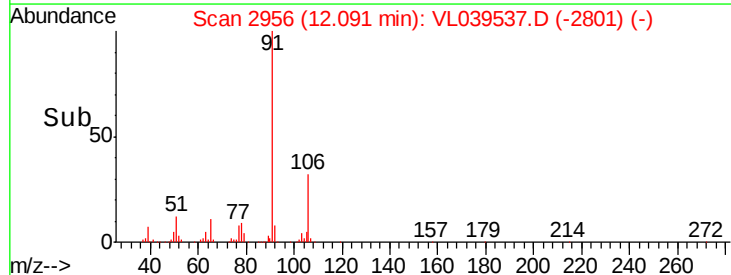
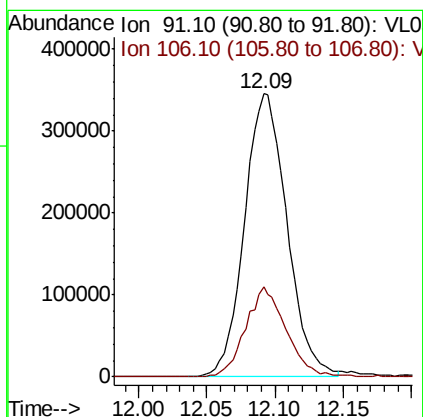
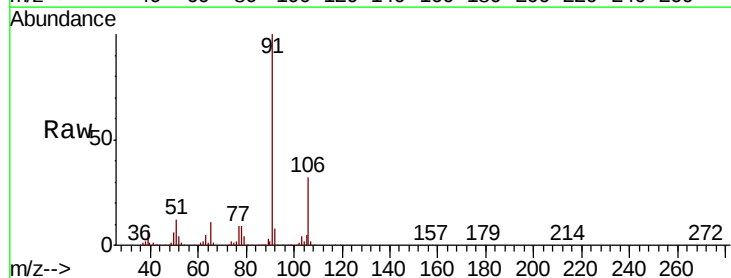
#57
Chlorobenzene
Concen: 2.088 ppbv
RT: 11.53 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC002
Acq: 17 Aug 2022 4:18

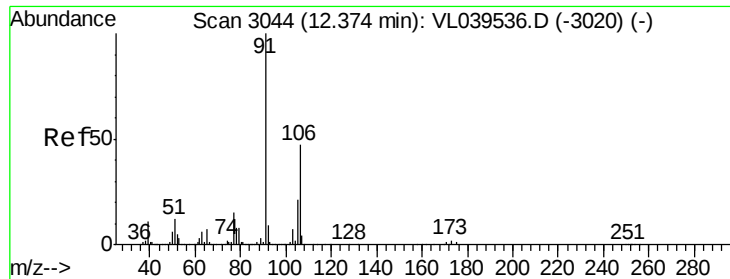
Tot Ion	Ratio	Lower	Upper
112	100		
77	67.9	53.4	80.0
114	30.3	29.5	36.1



#58
Ethyl Benzene
Concen: 2.044 ppbv
RT: 12.09 min Scan# 2956
Delta R.T.: -0.00 min
Lab File: VL039537.D
Acq: 17 Aug 2022 4:18

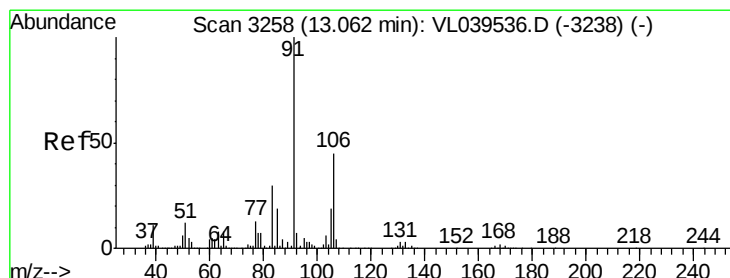
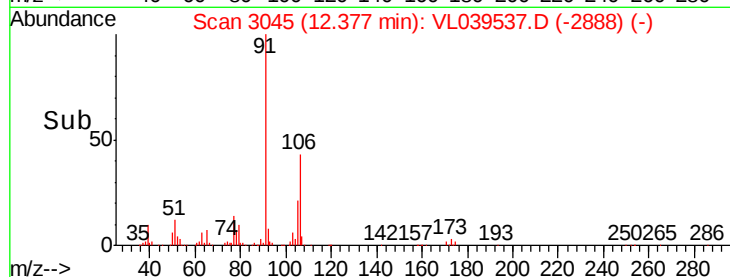
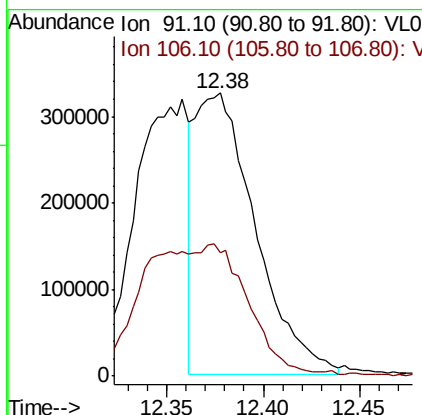
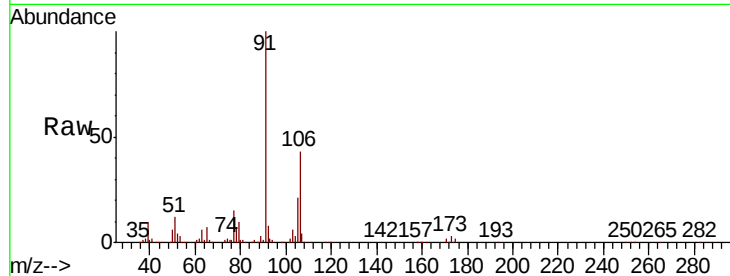
Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.2	36.4





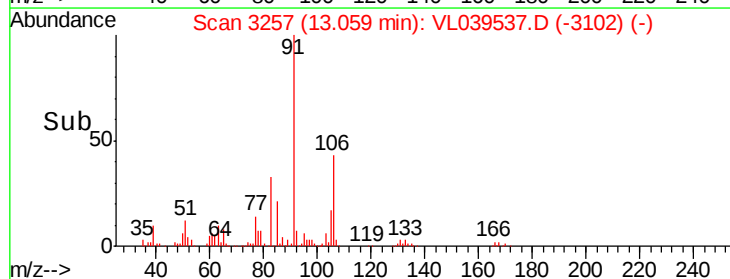
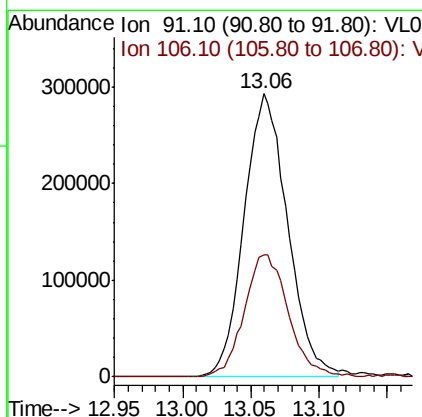
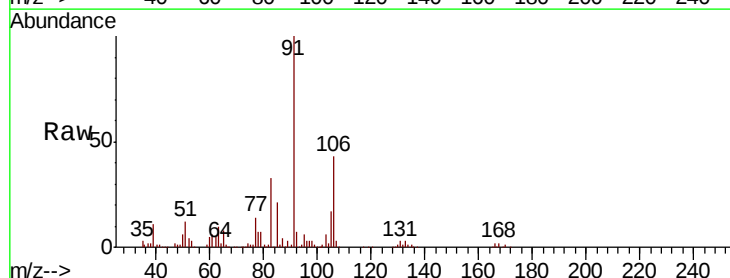
#59
m/p-Xylene
Concen: 2.171 ppbv
RT: 12.38
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC002
Acq: 17 Aug 2022 4:18

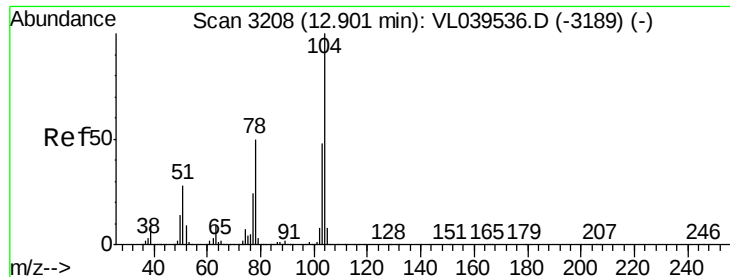
Tot Ion: 91 Resp: 698580
Ion Ratio Lower Upper
91 100
106 84.4 0.0 0.0#



#60
o-Xylene
Concen: 2.110 ppbv
RT: 13.06 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VL039537.D
Acq: 17 Aug 2022 4:18

Tgt Ion: 91 Resp: 644433
Ion Ratio Lower Upper
91 100
106 44.3 22.7 68.0





#61

Stvrene

Concen: 1.088 ppbv

RT: 12.90 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Aug 2022 4:18

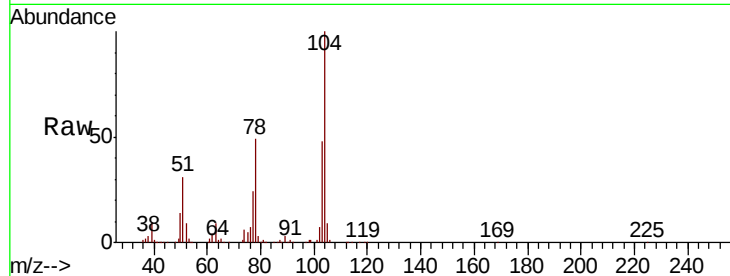
Tot Ion:104 Resp: 179704

Ion Ratio Lower Upper

104 100

78 96.1 40.0 60.0#

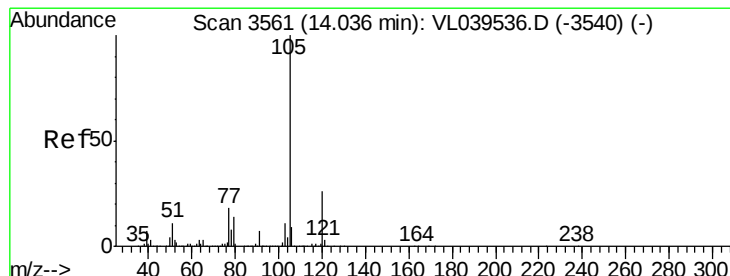
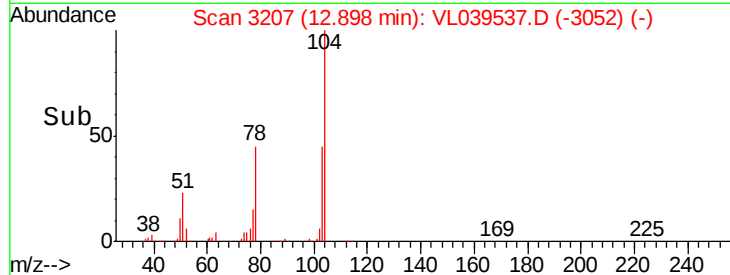
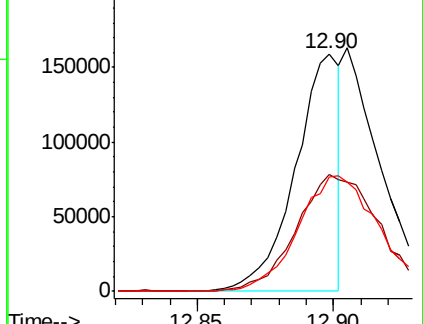
103 0.0 38.2 57.2#



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: 2.080 ppbv

RT: 14.03 min Scan# 3560

Delta R.T. -0.00 min

Lab File: VL039537.D

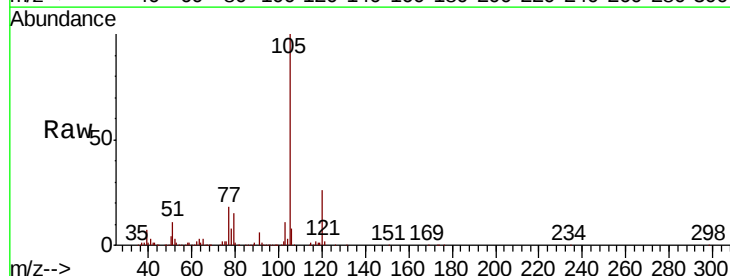
Acq: 17 Aug 2022 4:18

Tgt Ion:105 Resp: 966202

Ion Ratio Lower Upper

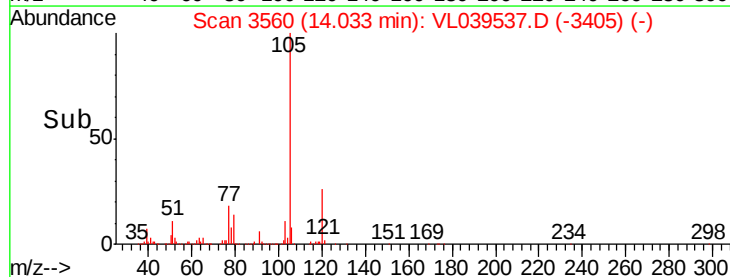
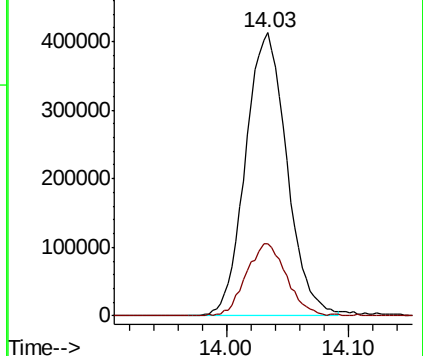
105 100

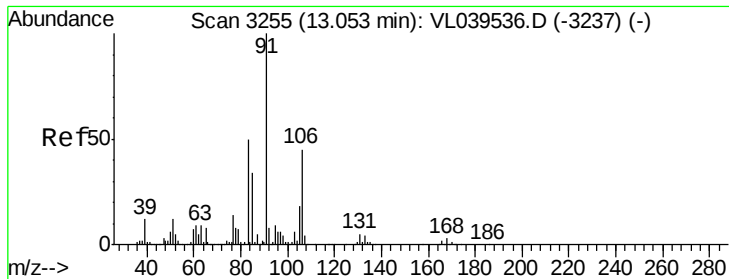
120 25.3 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

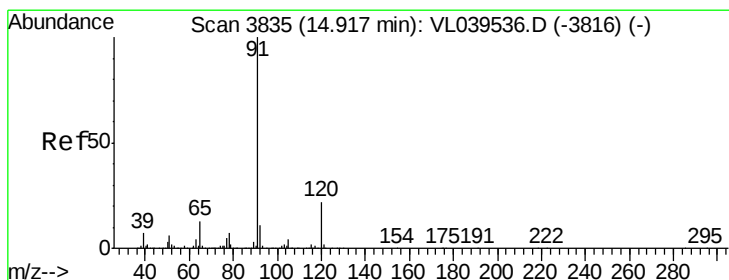
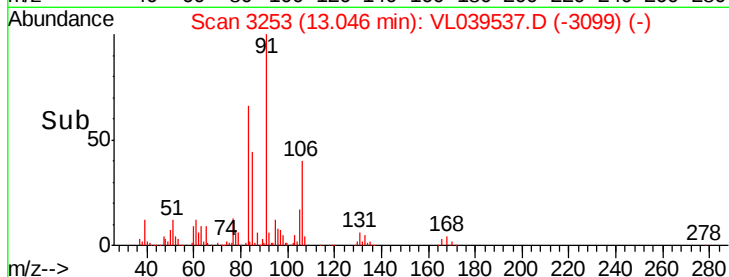
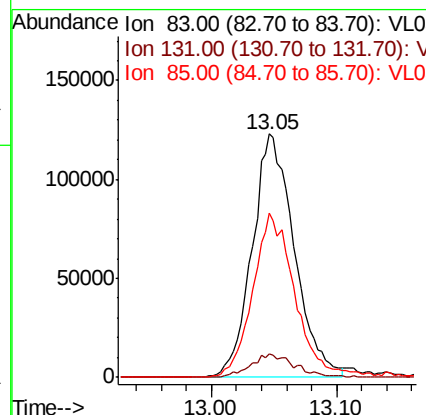
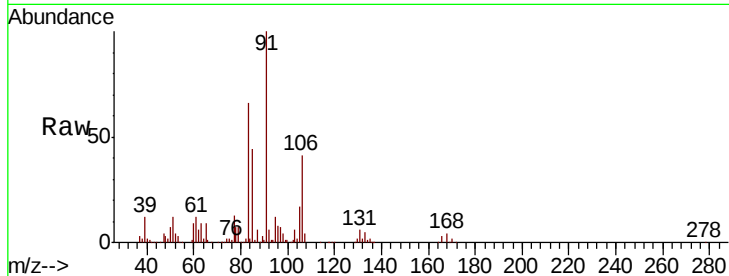
Ion 120.20 (119.90 to 120.90): V





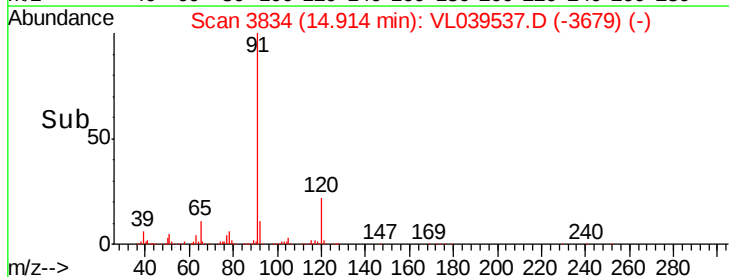
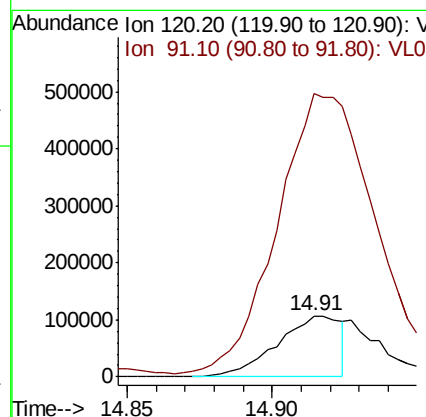
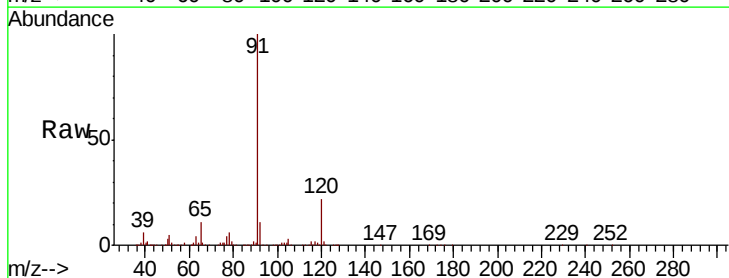
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.803 ppbv
 RT: 13.05 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 17 Aug 2022 4:18

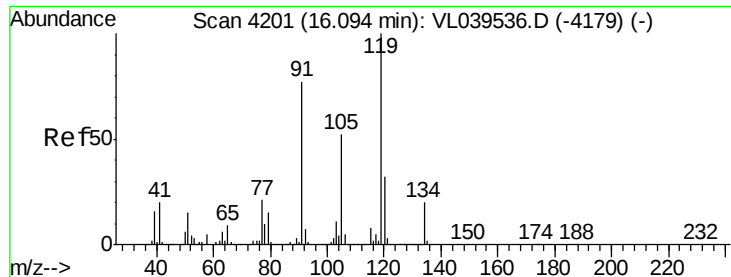
Tot Ion	83	Resp	286864
Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	68.7	33.2	99.6



#64
 n-propylbenzene
 Concen: 1.403 ppbv
 RT: 14.91 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VL039537.D
 Acq: 17 Aug 2022 4:18

Tgt Ion	120	Resp	164632
Ion	Ratio	Lower	Upper
120	100		
91	714.1	372.6	559.0#





#65

tert-Butylbenzene

Concen: 2.105 ppbv

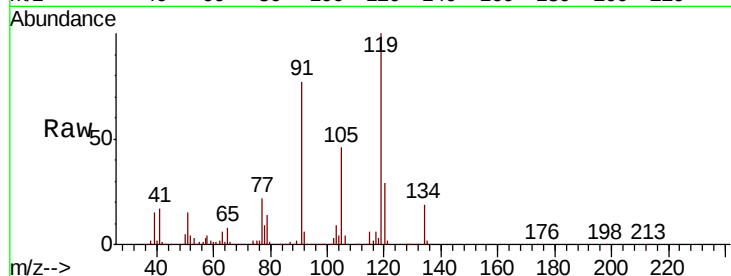
RT: 16.09

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Aug 2022 4:18

Tot Ion:	119	Resp:	899578
Ion	Ratio	Lower	Upper
119	100		
91	79.0	63.8	95.8
134	19.0	15.4	23.2



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

16.09

400000

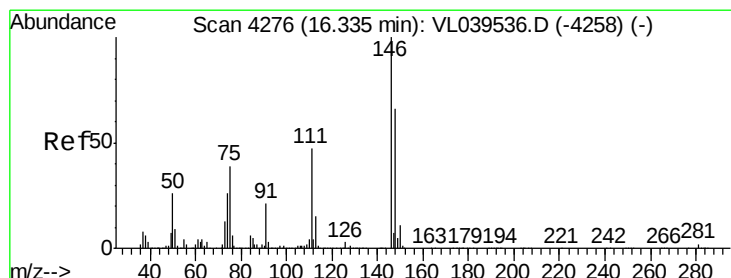
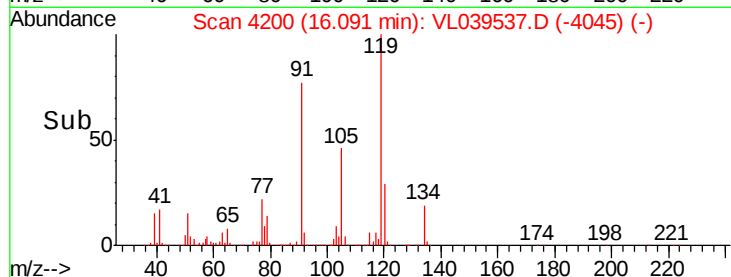
300000

200000

100000

0

Time-->



#66

Benzyl Chloride

Concen: 1.047 ppbv

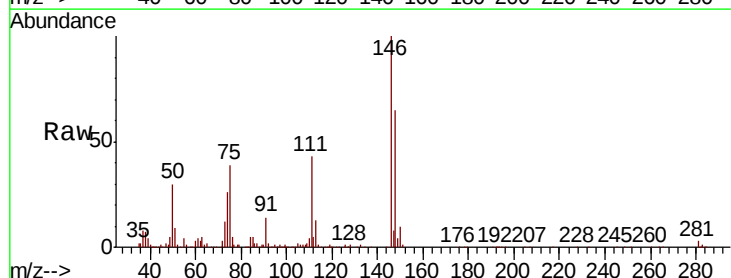
RT: 16.33 min Scan# 4273

Delta R.T. -0.01 min

Lab File: VL039537.D

Acq: 17 Aug 2022 4:18

Tgt Ion:	91	Resp:	40528
Ion	Ratio	Lower	Upper
91	100		
126	20.0	0.0	0.0#
128	7.0	1.5	2.3#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

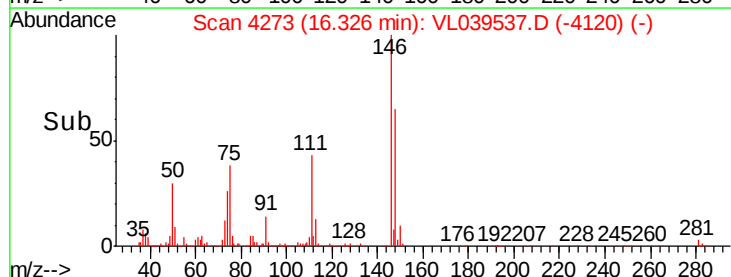
30000

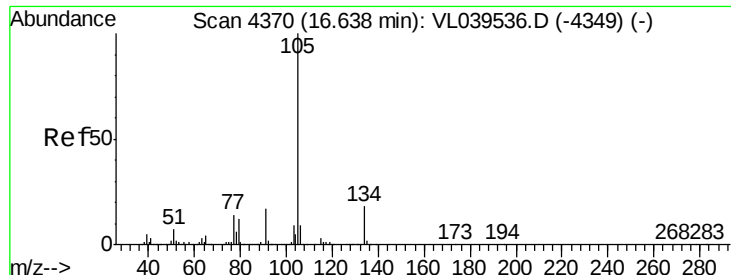
20000

10000

0

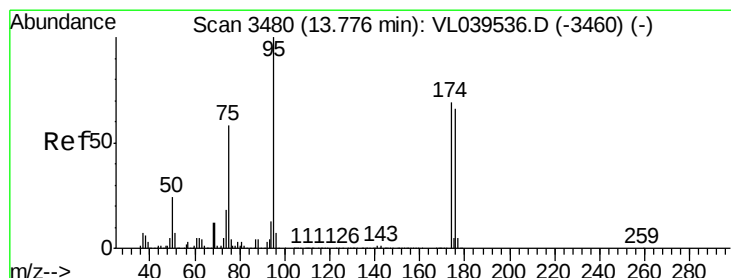
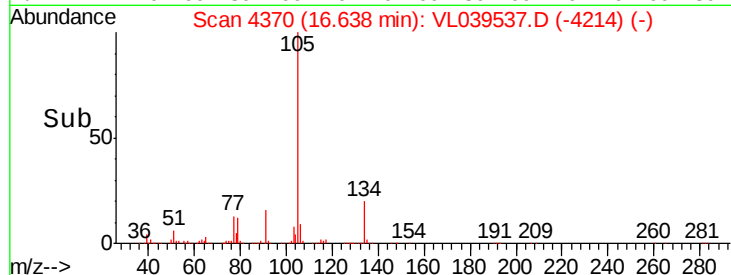
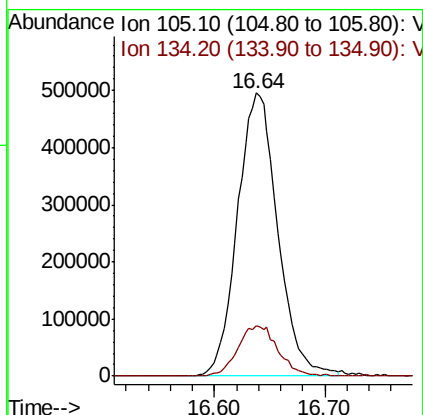
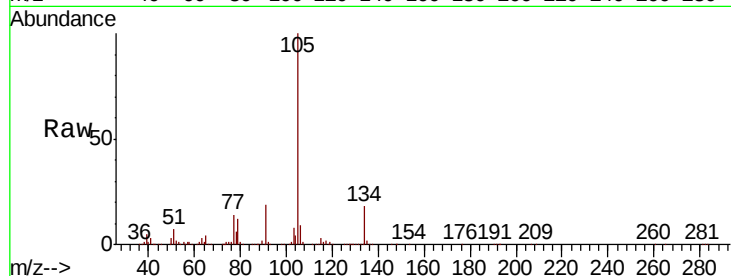
Time-->





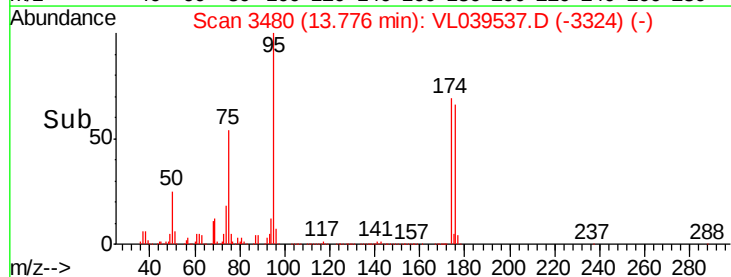
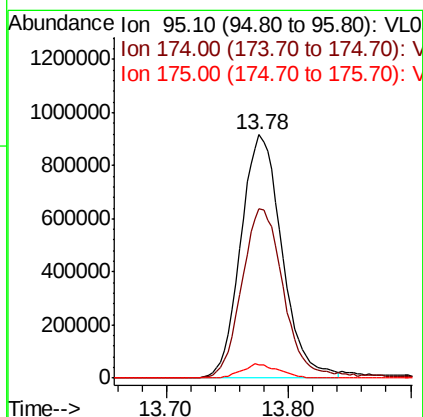
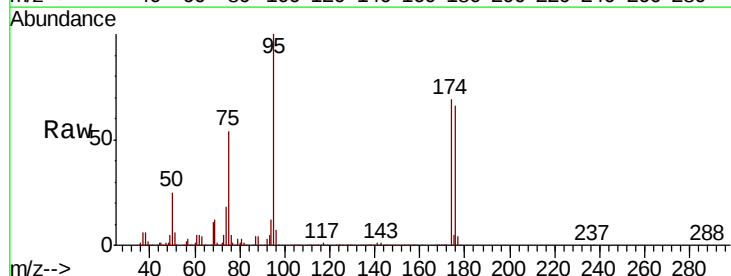
#67
 sec-Butylbenzene
 Concen: 2.160 ppbv
 RT: 16.64 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VSTDIC002
 Acq: 17 Aug 2022 4:18

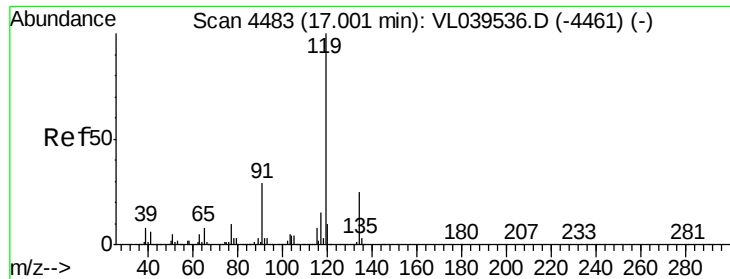
Tot Ion: 105 Resp: 1247176
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.3 21.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.931 ppbv
 RT: 13.78 min Scan# 3480
 Delta R.T.: 0.00 min
 Lab File: VL039537.D
 Acq: 17 Aug 2022 4:18

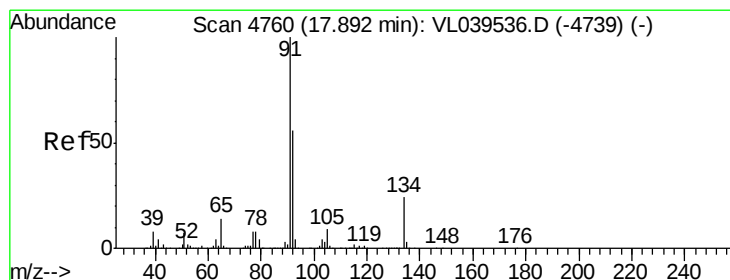
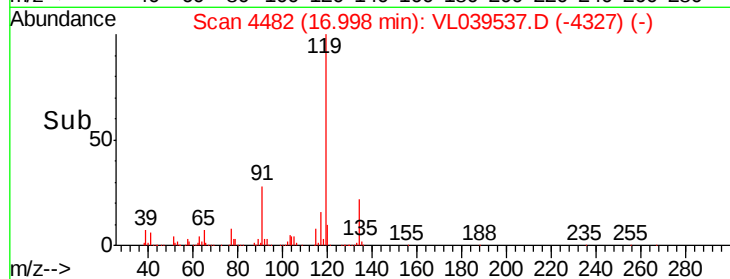
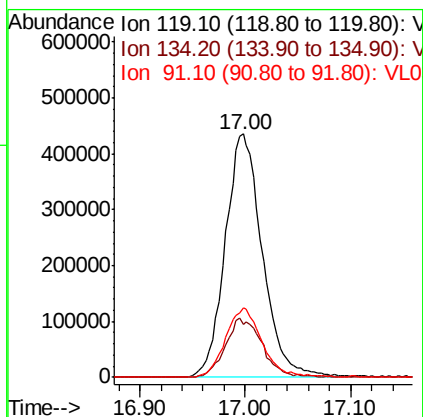
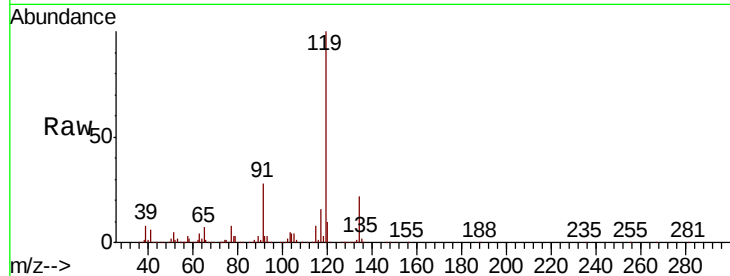
Tgt Ion: 95 Resp: 2133696
 Ion Ratio Lower Upper
 95 100
 174 72.5 56.3 84.5
 175 5.4 4.3 6.5





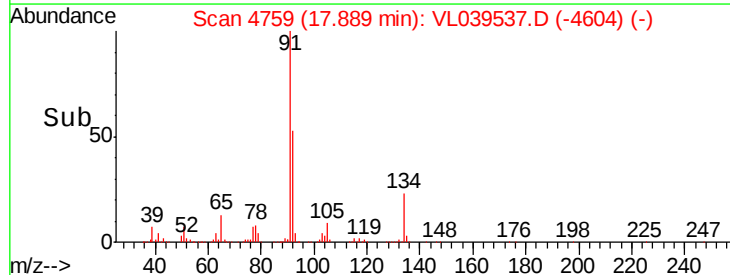
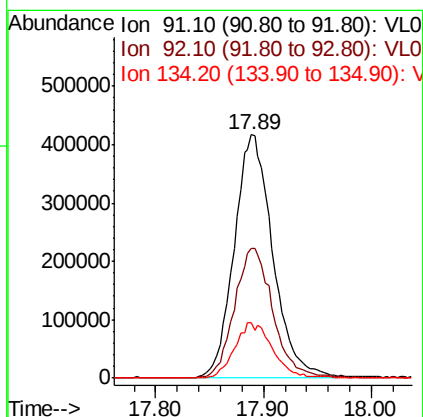
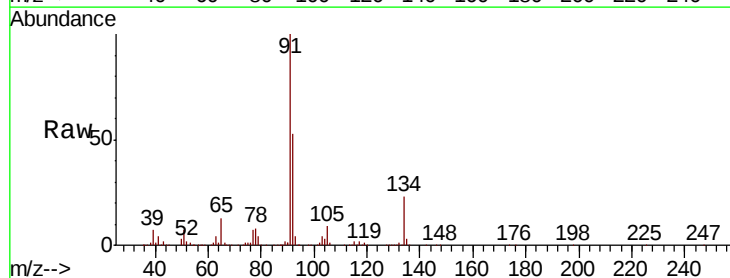
#69
 p-Isopropyltoluene
 Concen: 2.156 ppbv
 RT: 17.00 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 17 Aug 2022 4:18

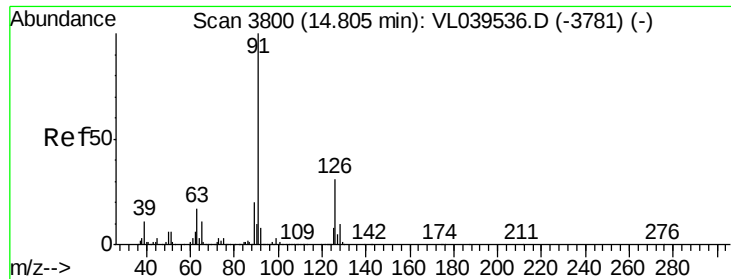
Tot Ion	Ratio	Lower	Upper
119	100		
134	24.5	19.8	29.6
91	28.6	22.6	33.8



#70
 n-Butylbenzene
 Concen: 2.174 ppbv
 RT: 17.89 min Scan# 4759
 Delta R.T. -0.00 min
 Lab File: VL039537.D
 Acq: 17 Aug 2022 4:18

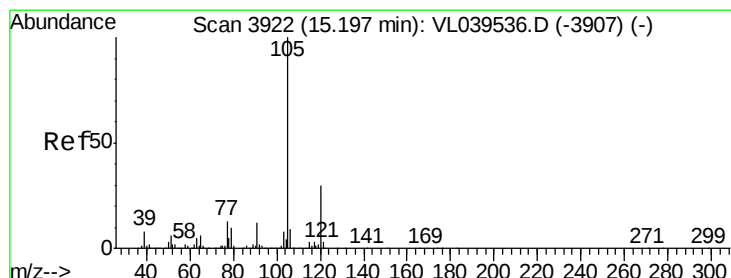
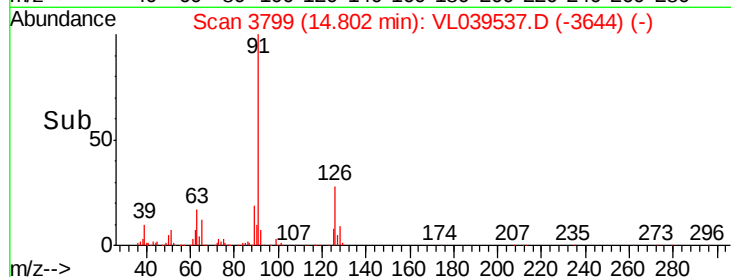
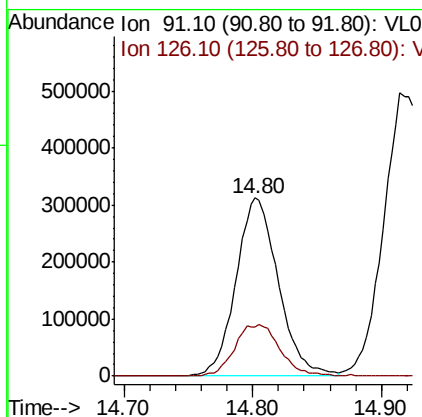
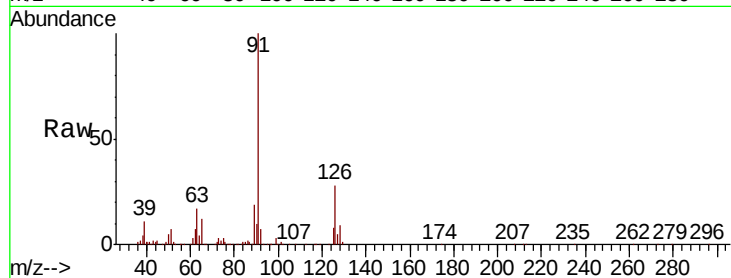
Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.8	43.0	64.6
134	22.8	18.1	27.1





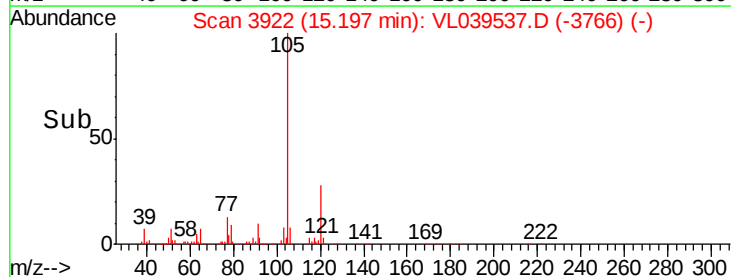
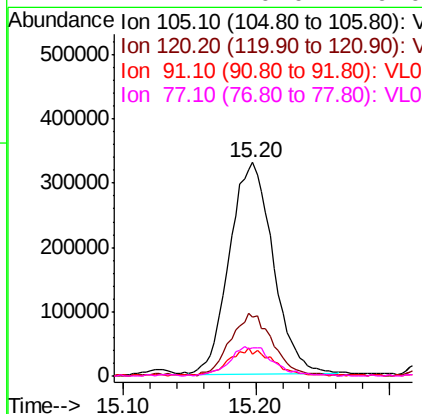
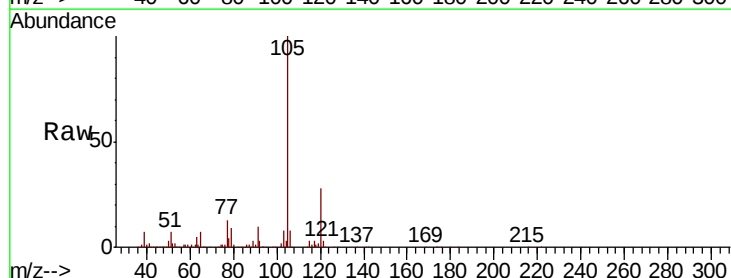
#71
 2-Chlorotoluene
 Concen: 2.132 ppbv
 RT: 14.80 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 17 Aug 2022 4:18

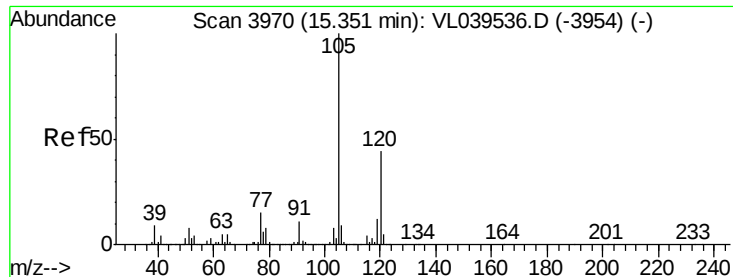
Tot Ion: 91 Resp: 709943
 Ion Ratio Lower Upper
 91 100
 126 31.1 12.9 51.5



#72
 4-Ethyltoluene
 Concen: 2.079 ppbv
 RT: 15.20 min Scan# 3922
 Delta R.T. 0.00 min
 Lab File: VL039537.D
 Acq: 17 Aug 2022 4:18

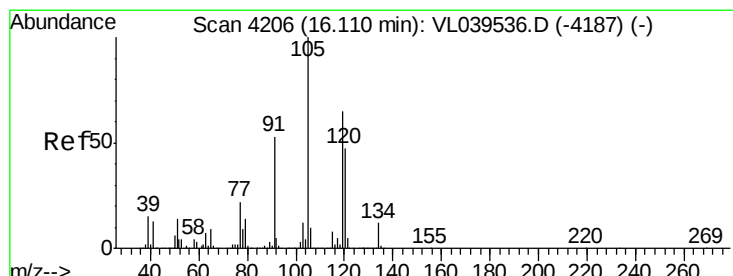
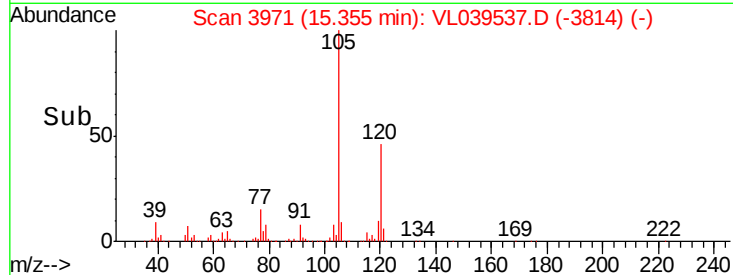
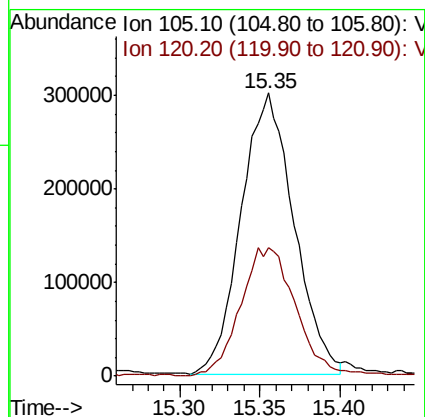
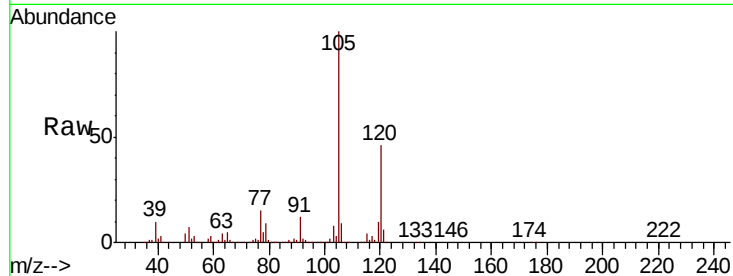
Tgt Ion:105 Resp: 748336
 Ion Ratio Lower Upper
 105 100
 120 28.5 0.0 0.0#
 91 12.2 0.0 0.0#
 77 14.2 0.0 0.0#





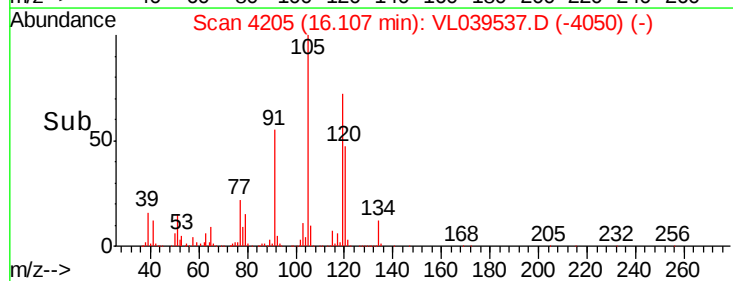
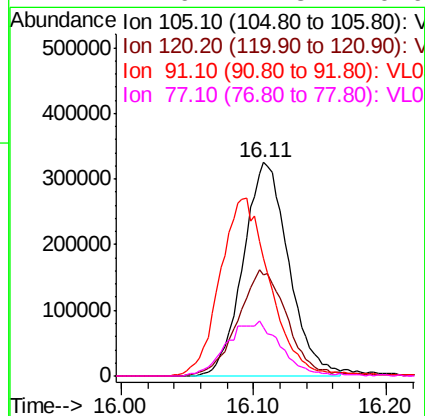
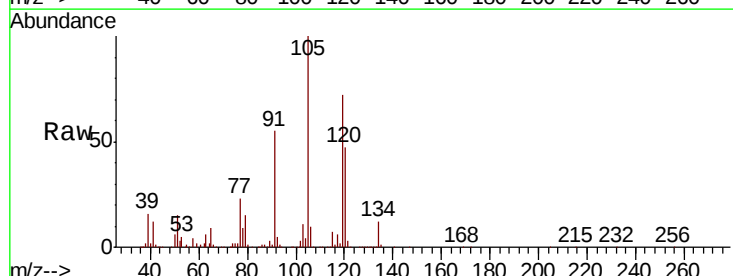
#73
 1,3,5-Trimethylbenzene
 Concen: 2.059 ppbv
 RT: 15.35 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VSTDIC002
 Acq: 17 Aug 2022 4:18

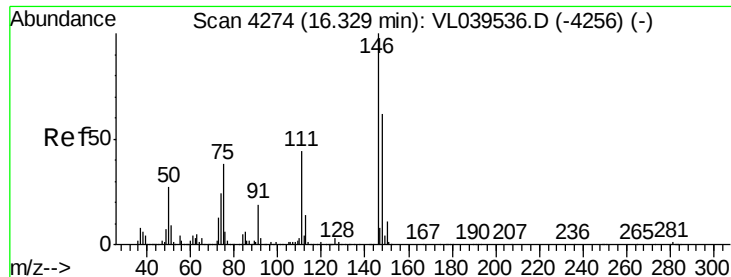
Tot Ion:105 Resp: 677631
 Ion Ratio Lower Upper
 105 100
 120 45.5 35.4 53.2



#74
 1,2,4-Trimethylbenzene
 Concen: 2.121 ppbv
 RT: 16.11 min Scan# 4205
 Delta R.T. -0.00 min
 Lab File: VL039537.D
 Acq: 17 Aug 2022 4:18

Tgt Ion:105 Resp: 769758
 Ion Ratio Lower Upper
 105 100
 120 46.8 37.8 56.8
 91 54.1 43.8 65.6
 77 21.6 17.8 26.6





#75

1,3-Dichlorobenzene

Concen: 2.156 ppbv

RT: 16.33

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Aug 2022 4:18

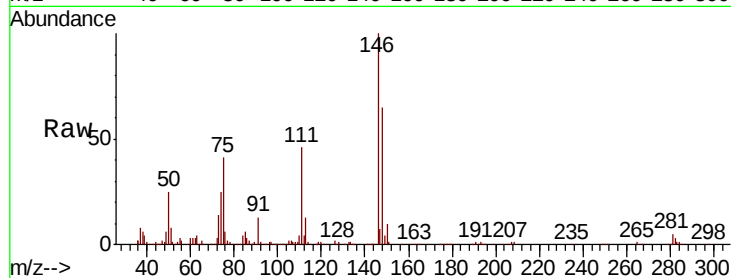
Tot Ion:146 Resp: 466681

Ion Ratio Lower Upper

146 100

111 46.9 22.9 68.5

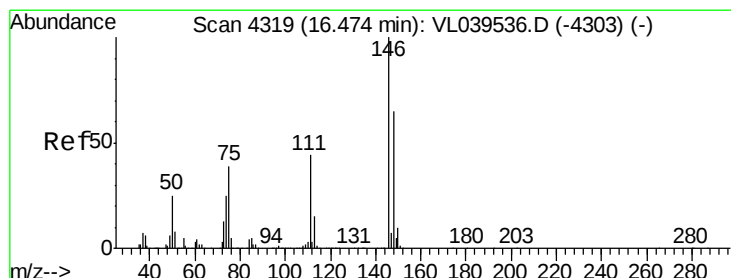
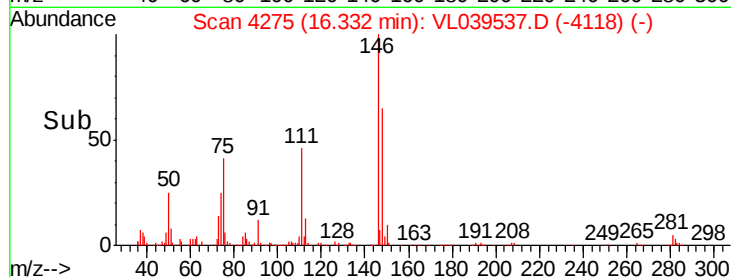
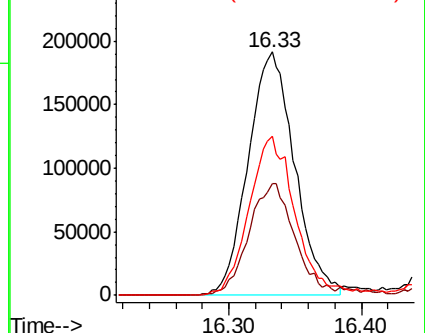
148 64.8 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 2.039 ppbv

RT: 16.47 min Scan# 4319

Delta R.T. 0.00 min

Lab File: VL039537.D

Acq: 17 Aug 2022 4:18

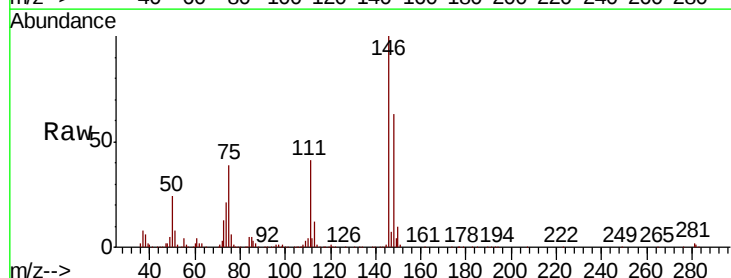
Tgt Ion:146 Resp: 442577

Ion Ratio Lower Upper

146 100

111 46.1 22.3 66.8

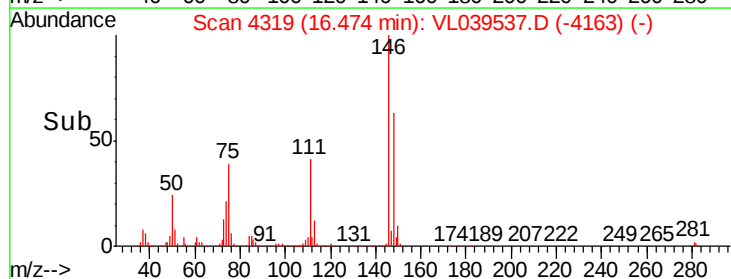
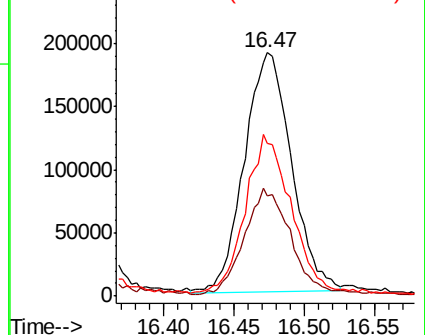
148 70.0 31.5 94.5

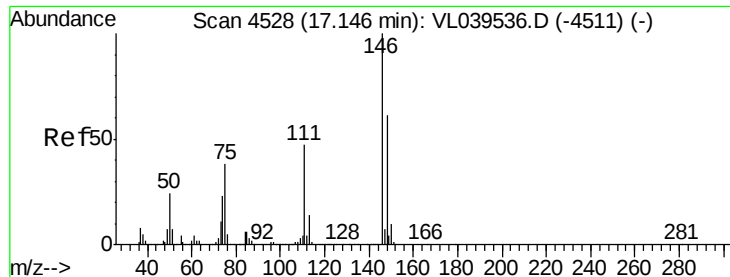


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

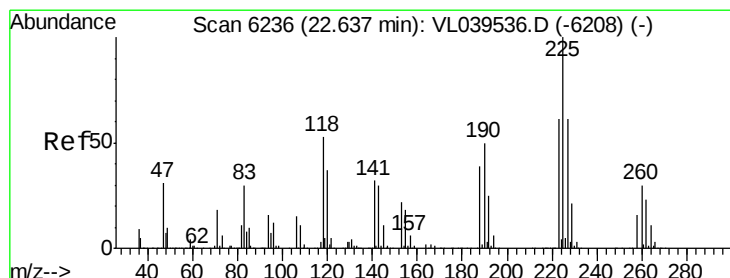
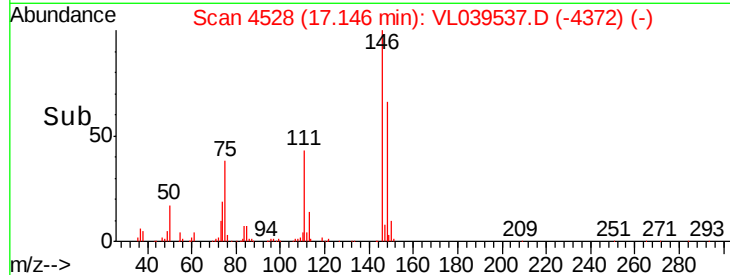
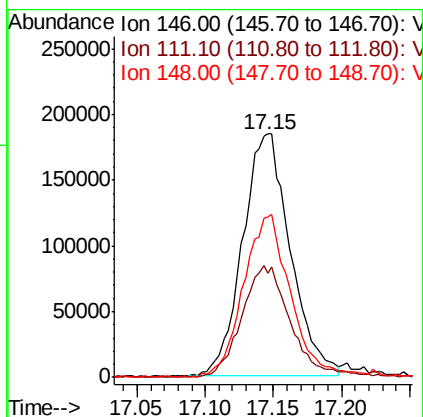
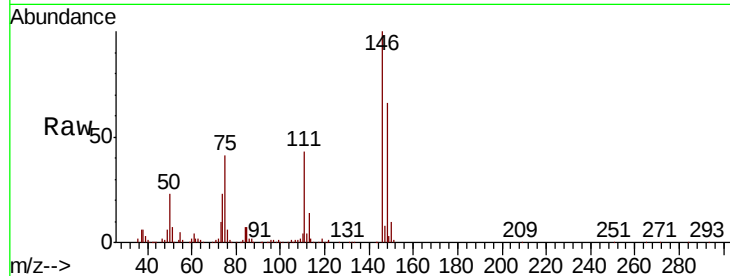
Ion 148.00 (147.70 to 148.70): V





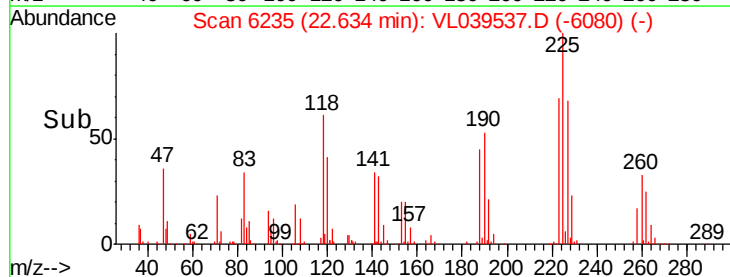
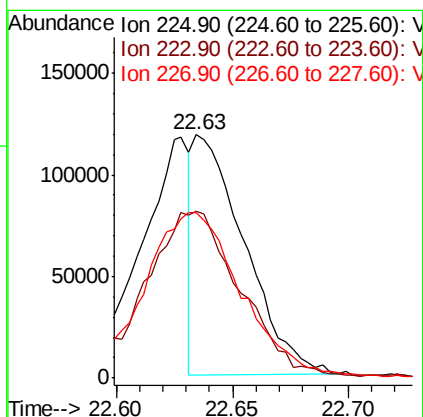
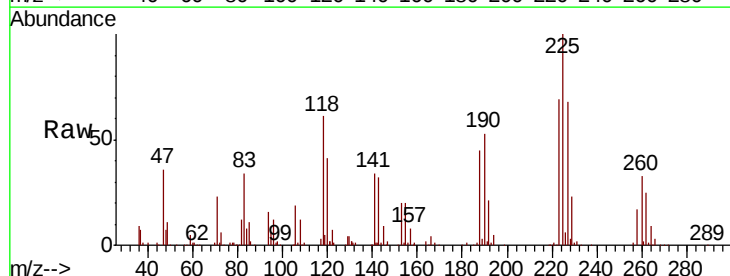
#77
 1,2-Dichlorobenzene
 Concen: 2.100 ppbv
 RT: 17.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 17 Aug 2022 4:18

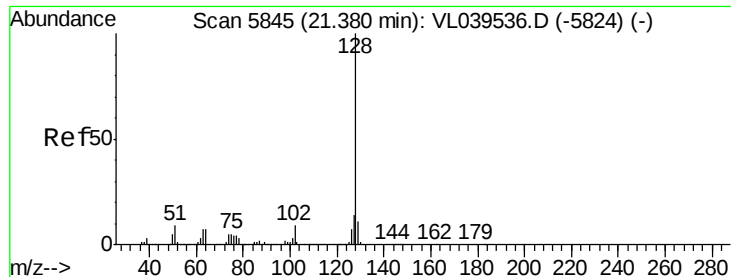
Tot Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.9	71.8
148	66.9	32.6	97.7



#78
 Hexachloro-1,3-Butadiene
 Concen: 1.036 ppbv
 RT: 22.63 min Scan# 6235
 Delta R.T. -0.00 min
 Lab File: VL039537.D
 Acq: 17 Aug 2022 4:18

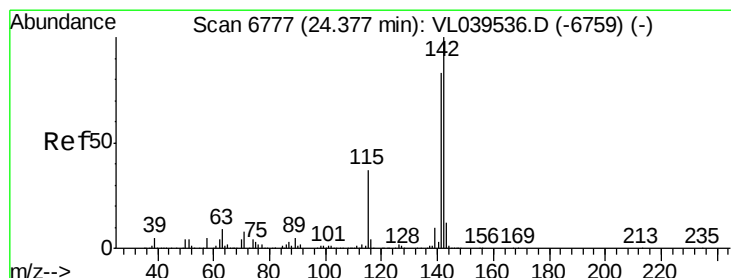
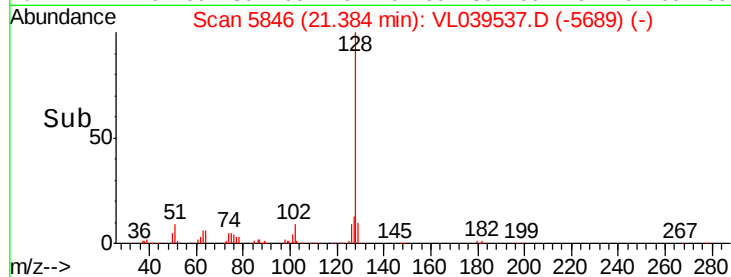
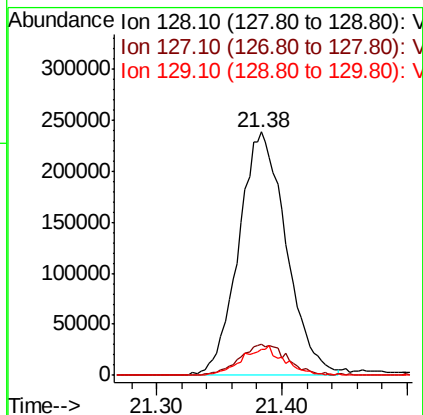
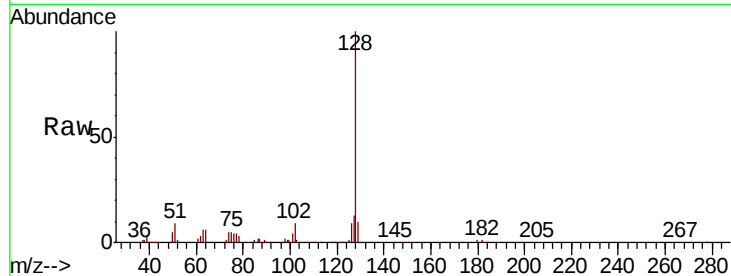
Tgt Ion	Ratio	Lower	Upper
225	100		
223	134.3	0.0	0.0#
227	135.0	0.0	0.0#





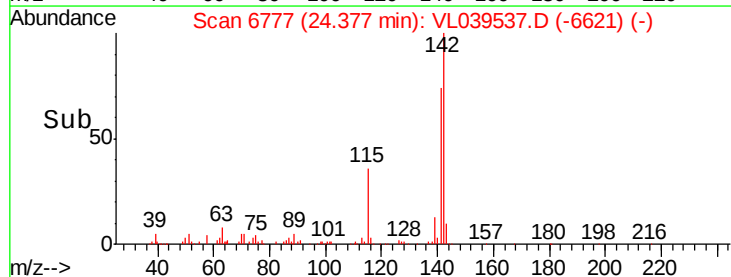
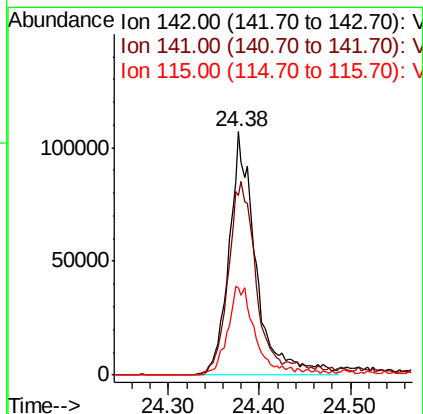
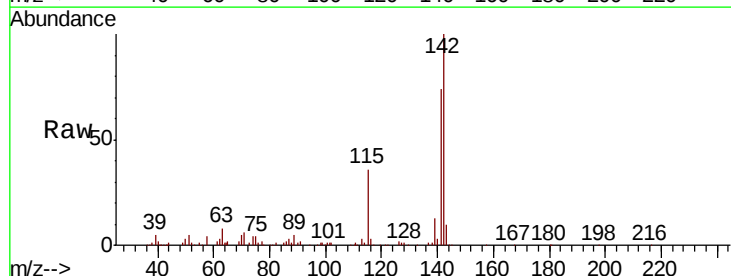
#79
Naphthalene
Concen: 2.472 ppbv
RT: 21.38 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC002
Acq: 17 Aug 2022 4:18

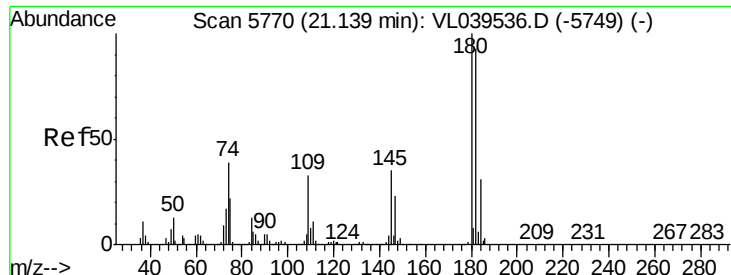
Tot Ion:128	Resp:	622696
Ion Ratio	Lower	Upper
128	100	
127	12.4	10.8 16.2
129	10.5	9.1 13.7



#80
Naphthalene, 2-methyl-
Concen: 2.456 ppbv
RT: 24.38 min Scan# 6777
Delta R.T.: 0.00 min
Lab File: VL039537.D
Acq: 17 Aug 2022 4:18

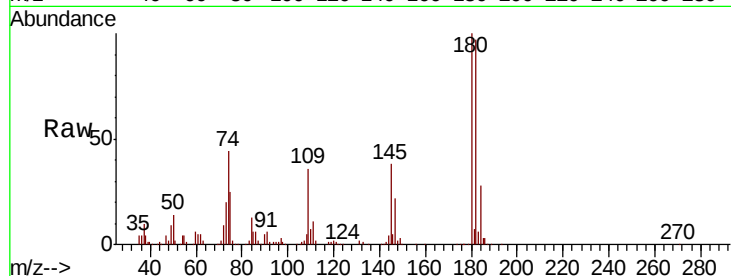
Tgt Ion:142	Resp:	221190
Ion Ratio	Lower	Upper
142	100	
141	87.2	0.0 0.0#
115	38.0	0.0 0.0#





#81
 1,2,4-Trichlorobenzene
 Concen: 2.284 ppbv
 RT: 21.14
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 17 Aug 2022 4.18

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	0.0	0.0#
184	30.1	0.0	0.0#



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

