

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038958.D
 Acq On : 5 May 2022 3:24
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 05 04:53:06 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 04:53:24 2022
 QLast Update : Thu May 05 04:53:24 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1370165	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3320044	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3114181	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2371658	9.63	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	416166	1.879	ppbv 96
3) Chlorodifluoromethane	2.99	51	350773	1.454	ppbv 97
4) Chloromethane	3.14	50	176658	1.971	ppbv 96
5) Vinyl Chloride	3.26	62	158183	1.727	ppbv 99
6) Bromomethane	3.47	94	72667	1.486	ppbv 96
7) Chloroethane	3.56	64	48505	1.550	ppbv 92
8) Dichlorotetrafluoroethane	3.19	85	402049	1.910	ppbv 97
9) Propene	3.01	41	150886	1.907	ppbv 99
10) Heptane	8.12	43	389091	1.920	ppbv 98
11) Trichlorofluoromethane	3.95	101	380749	1.728	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	259129	1.819	ppbv 94
13) Ethanol	3.61	45	1427	0.165	ppbv # 31
14) Bromoethene	3.74	108	99440	1.677	ppbv 88
15) Acetone	3.85	43	289386	2.138	ppbv 98
16) 1,3-Butadiene	3.33	39	149166	1.654	ppbv 98
17) tert-Butyl alcohol	4.29	59	173886	1.526	ppbv 98
18) 1,1-Dichloroethene	4.29	96	120721	1.918	ppbv 97
19) Isopropyl Alcohol	3.98	45	43008	0.595	ppbv # 95
20) Methylene Chloride	4.35	84	96025	1.575	ppbv 92
21) Allyl Chloride	4.41	41	172361	1.661	ppbv 92
22) trans-1,2-Dichloroethene	4.88	96	112261	1.881	ppbv 88
23) Vinyl Acetate	5.08	43	201004	0.978	ppbv # 96
24) 1,1-Dichloroethane	5.01	63	246158	1.554	ppbv 99
25) Ethyl Acetate	5.67	43	649971	2.028	ppbv 99
26) Hexane	5.68	57	291947	1.999	ppbv 99
27) Carbon Disulfide	4.55	76	261641	1.817	ppbv 95
28) Methyl tert-Butyl Ether	5.03	73	221667	1.374	ppbv 100
29) Chloroform	5.74	83	459209	1.935	ppbv 92
30) Cyclohexane	7.12	84	238374	2.015	ppbv # 85
31) cis-1,2-Dichloroethene	5.55	61	283592	1.987	ppbv 96
32) 1,1,1-Trichloroethane	6.51	97	452134	1.892	ppbv 97
34) 2-Butanone	5.24	43	355911	2.160	ppbv 98
35) Carbon Tetrachloride	7.01	117	454278	1.784	ppbv 98
36) Benzene	6.89	78	596550	1.969	ppbv 97
37) 1,2-Dichloroethane	6.30	62	363175	2.003	ppbv 100
38) Trichloroethene	7.83	130	245435	2.024	ppbv 94
39) 1,2-Dichloropropane	7.61	63	233047	1.899	ppbv 94
40) 1,4-Dioxane	7.83	88	77307	2.455	ppbv 68
41) Tetrahydrofuran	6.05	42	234258	2.862	ppbv 97
42) Bromodichloromethane	7.78	83	497688	2.020	ppbv # 94
43) Methyl Methacrylate	8.01	69	236057	2.259	ppbv 98

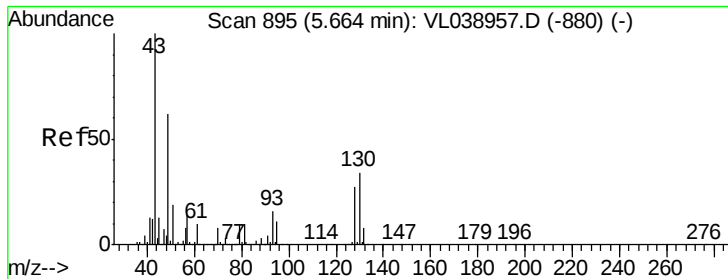
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038958.D
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Quant Time: May 05 04:53:06 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 04:53:24 2022
 QLast Update : Thu May 05 04:53:24 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	1069238	1.996	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	219501	1.852	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	299164	1.987	ppbv	95
47) 1,1,2-Trichloroethane	9.46	97	236303	1.892	ppbv	97
48) Dibromochloromethane	10.29	129	385888	2.010	ppbv	99
49) Bromoform	13.02	173	296704	1.931	ppbv	97
50) 4-Methyl-2-Pentanone	8.74	43	621563	2.523	ppbv	99
51) 2-Hexanone	10.13	43	454139	3.257	ppbv #	94
52) Tetrachloroethene	11.21	164	204288	1.827	ppbv	99
53) Toluene	9.80	91	674515	2.085	ppbv	99
54) 1,2-Dibromoethane	10.60	107	324911	1.848	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.11	131	282827	2.016	ppbv #	1
57) Chlorobenzene	12.13	112	472848	1.815	ppbv	97
58) Ethyl Benzene	12.70	91	927126	2.071	ppbv	96
59) m/p-Xylene	12.98	91	209401	0.535	ppbv #	1
60) o-Xylene	13.68	91	758615	2.006	ppbv	98
61) Styrene	13.51	104	403466	2.141	ppbv	98
62) Isopropylbenzene	14.65	105	1100053	2.136	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	434839	1.534	ppbv	99
64) n-propylbenzene	15.55	120	271772	2.163	ppbv	93
65) tert-Butylbenzene	16.73	119	971326	2.172	ppbv	97
66) Benzyl Chloride	16.97	91	45795	0.837	ppbv #	59
67) sec-Butylbenzene	17.28	105	1407345	2.217	ppbv	98
69) p-Isopropyltoluene	17.64	119	1151801	2.321	ppbv	99
70) n-Butylbenzene	18.54	91	1229017	2.362	ppbv	99
71) 2-Chlorotoluene	15.44	91	866922	2.237	ppbv	97
72) 4-Ethyltoluene	15.82	105	894310	2.153	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	795172	2.054	ppbv	95
74) 1,2,4-Trimethylbenzene	16.74	105	856728	2.050	ppbv #	89
75) 1,3-Dichlorobenzene	16.98	146	272023	1.162	ppbv #	35
76) 1,4-Dichlorobenzene	17.12	146	455217	1.952	ppbv	97
77) 1,2-Dichlorobenzene	17.80	146	445379	2.010	ppbv	95
78) Hexachloro-1,3-Butadiene	23.36	225	440595	2.209	ppbv	98
79) Naphthalene	22.18	128	754934	2.930	ppbv	97
80) Naphthalene, 2-methyl-	24.96	142	214295	3.811	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	408101	2.609	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 3:24

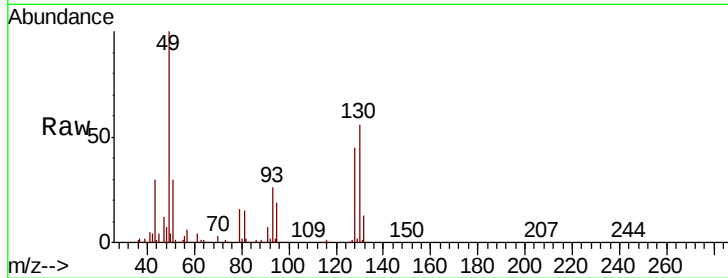
Tot Ion: 49 Resp: 1370165

Ion Ratio Lower Upper

49 100

128 46.5 23.3 69.8

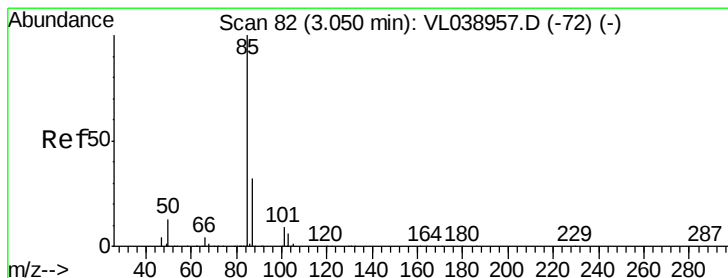
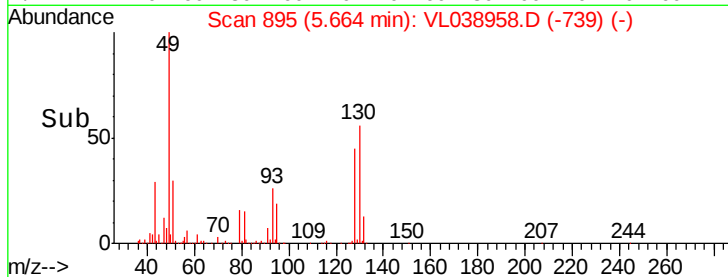
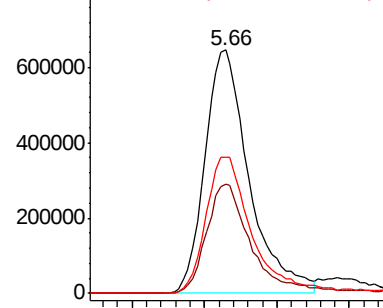
130 60.2 29.8 89.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 1.879 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL038958.D

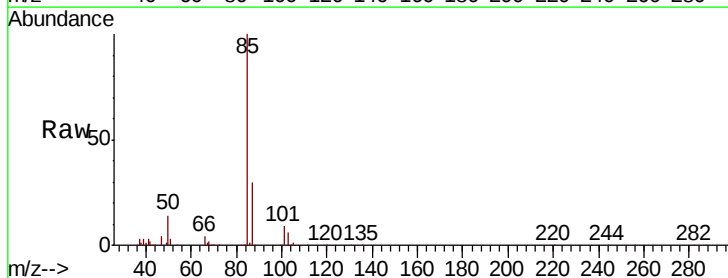
Acq: 5 May 2022 3:24

Tgt Ion: 85 Resp: 416166

Ion Ratio Lower Upper

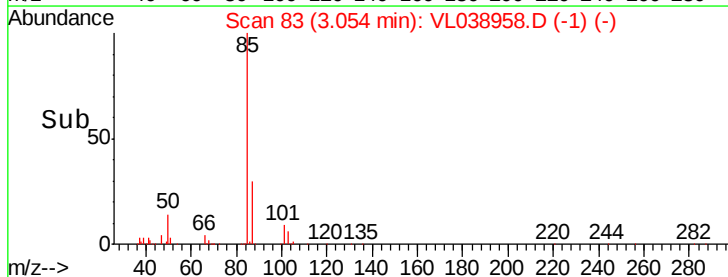
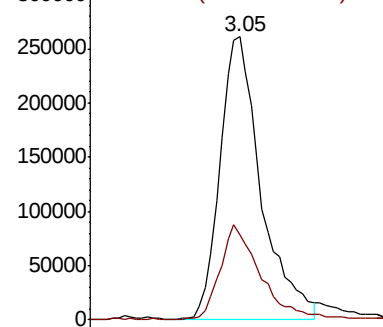
85 100

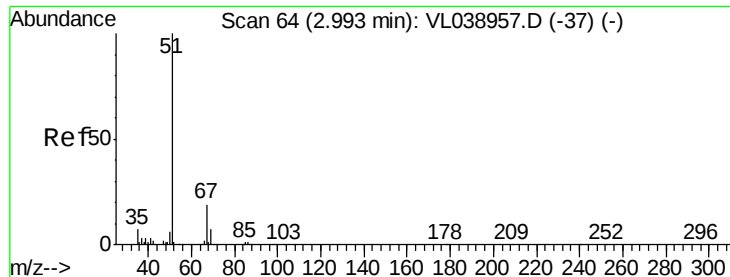
87 30.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.454 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

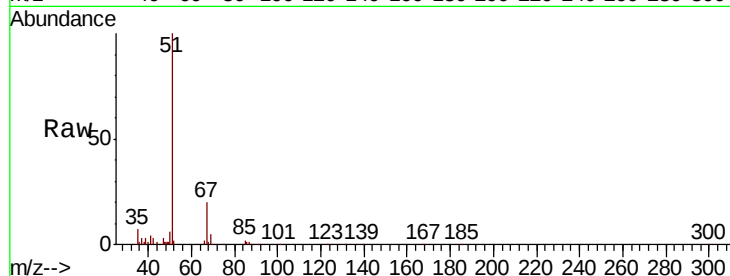
Acq: 5 May 2022 3:24

Tot Ion: 51 Resp: 350773

Ion Ratio Lower Upper

51 100

67 18.5 15.8 23.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

200000

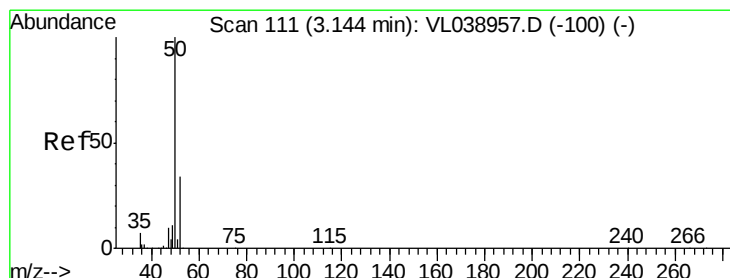
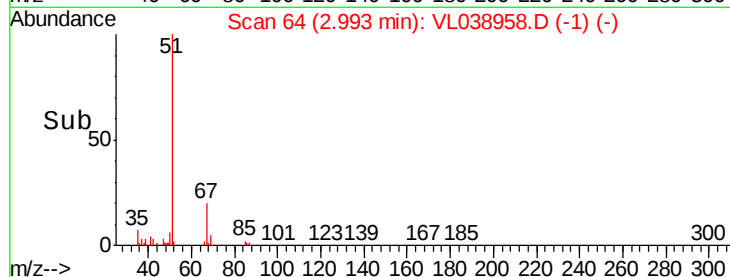
150000

100000

50000

0

Time-->



#4

Chloromethane

Concen: 1.971 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL038958.D

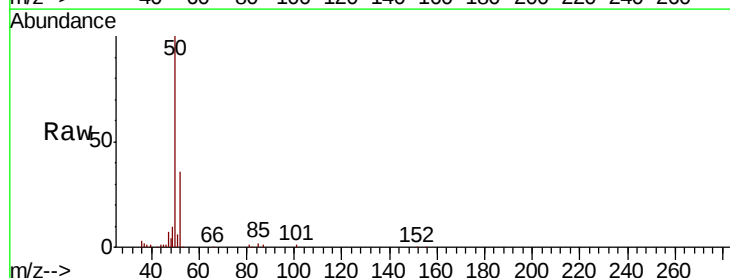
Acq: 5 May 2022 3:24

Tgt Ion: 50 Resp: 176658

Ion Ratio Lower Upper

50 100

52 36.2 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

120000

100000

80000

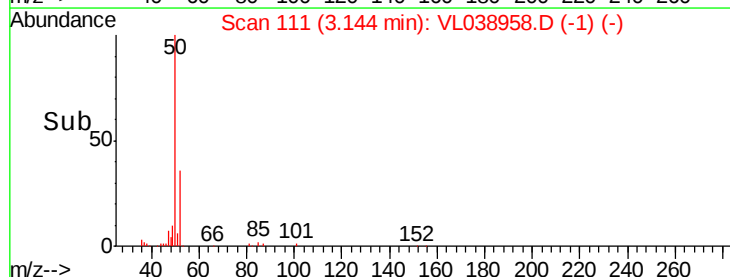
60000

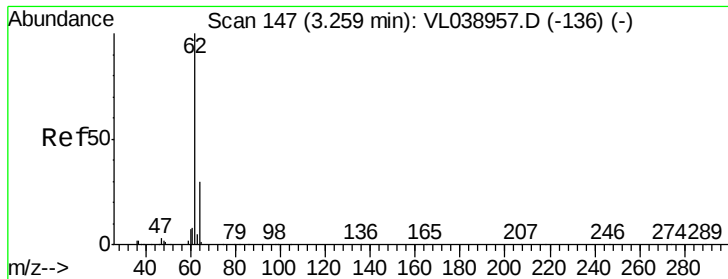
40000

20000

0

Time-->





#5

Vinyl Chloride

Concen: 1.727 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

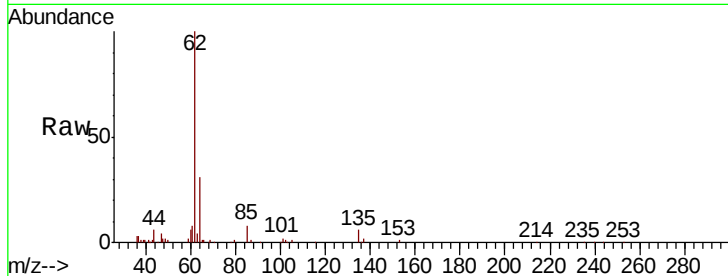
Acq: 5 May 2022 3:24

Tot Ion: 62 Resp: 158183

Ion Ratio Lower Upper

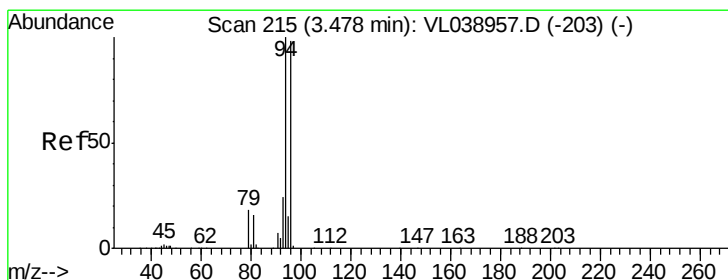
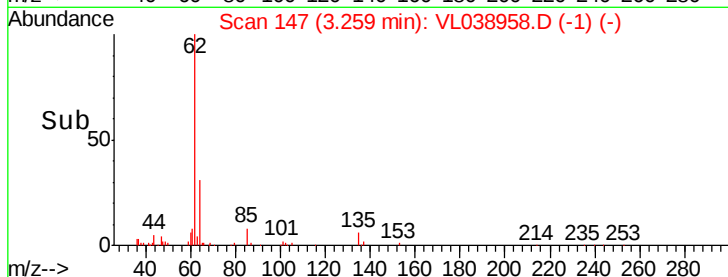
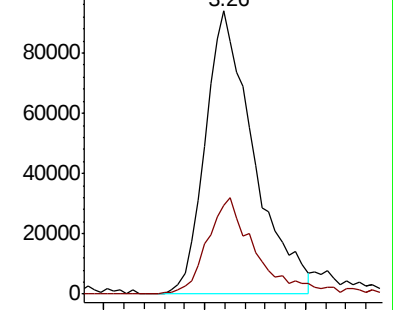
62 100

64 31.0 24.2 36.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.486 ppbv

RT: 3.47 min Scan# 214

Delta R.T. -0.00 min

Lab File: VL038958.D

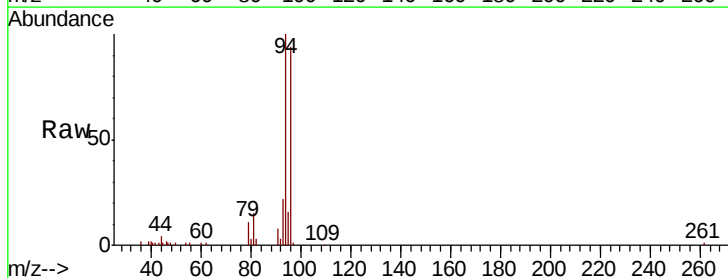
Acq: 5 May 2022 3:24

Tgt Ion: 94 Resp: 72667

Ion Ratio Lower Upper

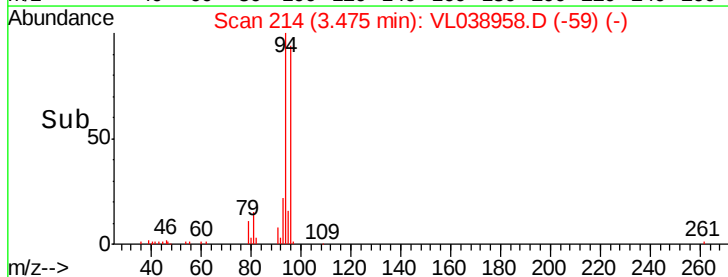
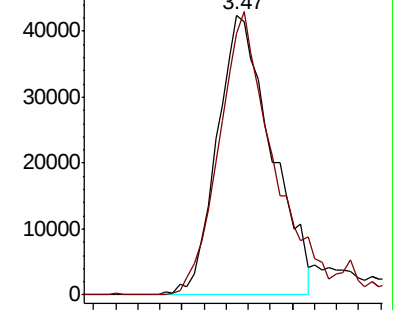
94 100

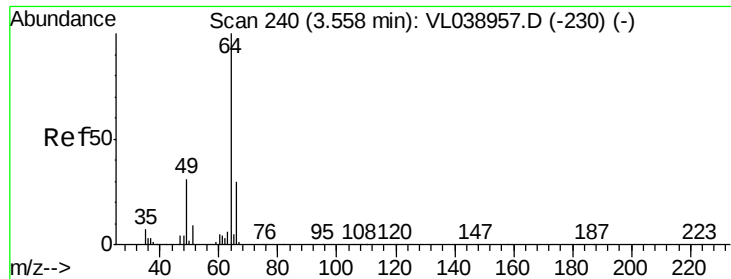
96 93.6 78.1 117.1



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.550 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

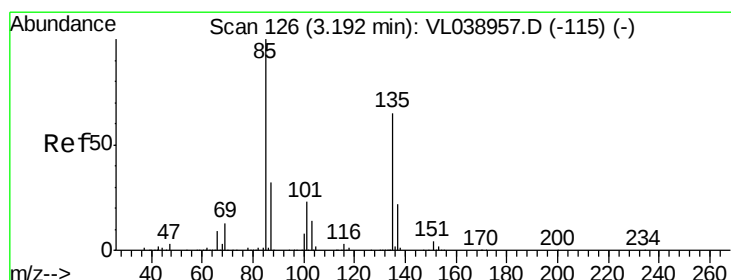
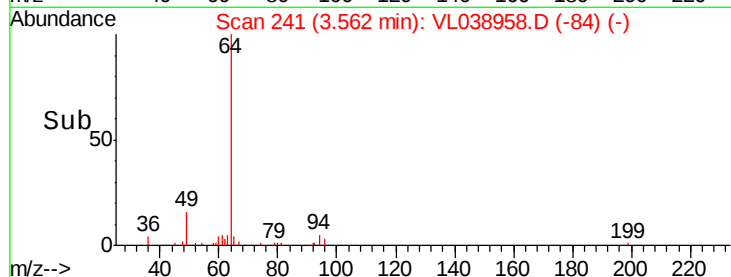
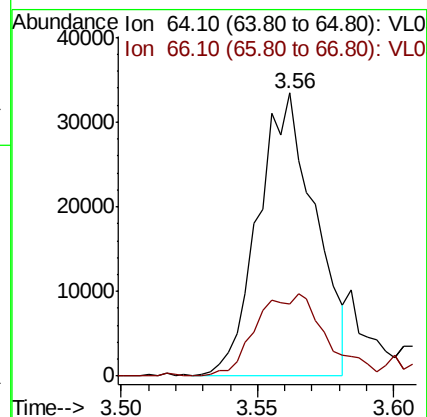
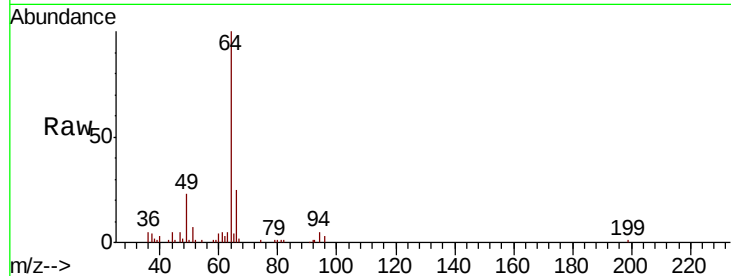
Acq: 5 May 2022 3:24

Tot Ion: 64 Resp: 48505

Ion Ratio Lower Upper

64 100

66 25.4 23.8 35.8



#8

Dichlorotetrafluoroethane

Concen: 1.910 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL038958.D

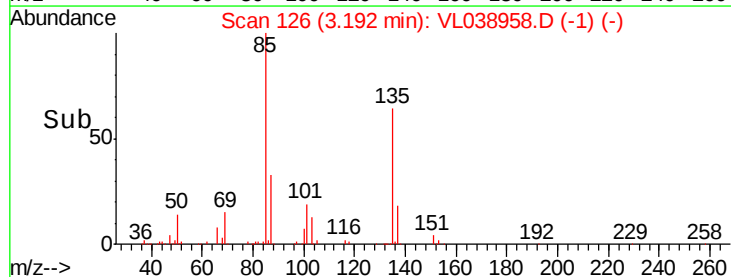
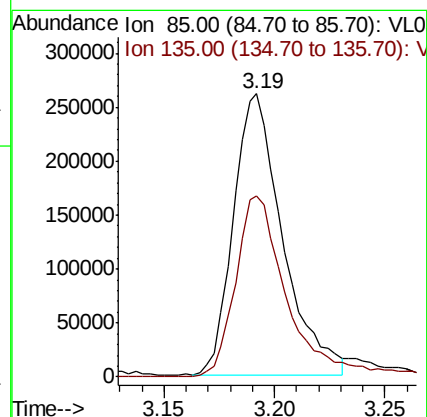
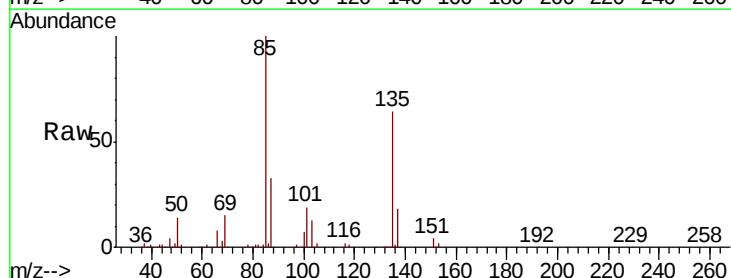
Acq: 5 May 2022 3:24

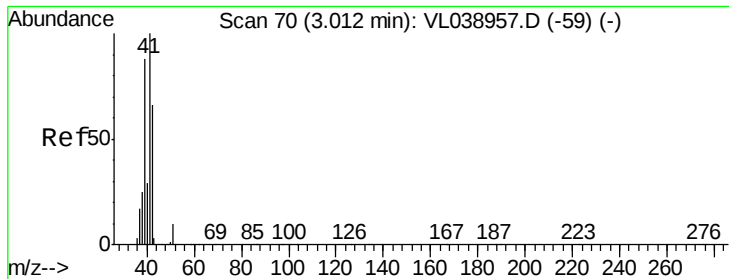
Tgt Ion: 85 Resp: 402049

Ion Ratio Lower Upper

85 100

135 69.7 53.6 80.4





#9

Propene

Concen: 1.907 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

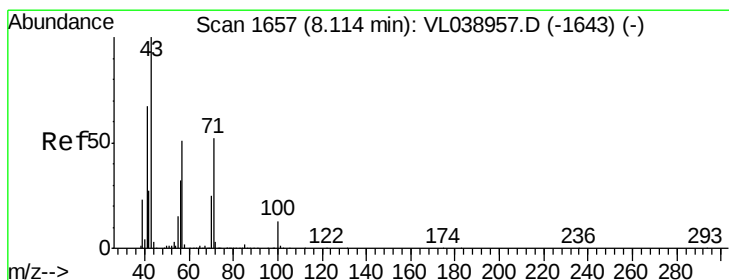
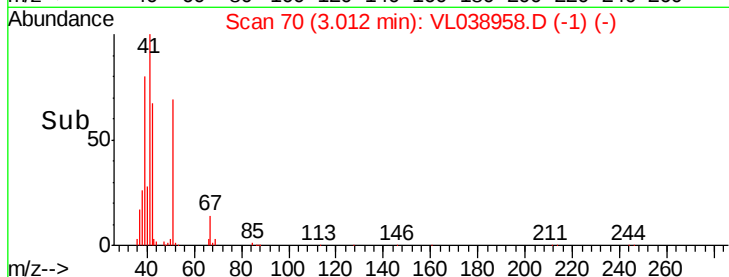
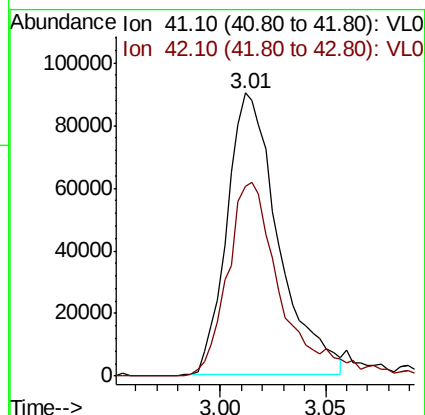
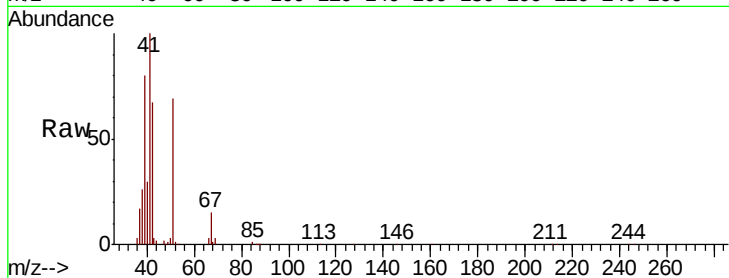
Acq: 5 May 2022 3:24

Tot Ion: 41 Resp: 150886

Ion Ratio Lower Upper

41 100

42 73.7 58.3 87.5



#10

Heptane

Concen: 1.920 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VL038958.D

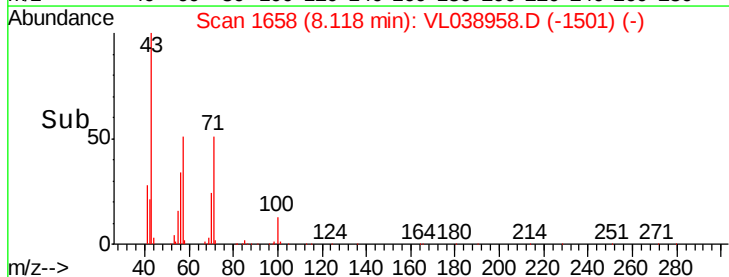
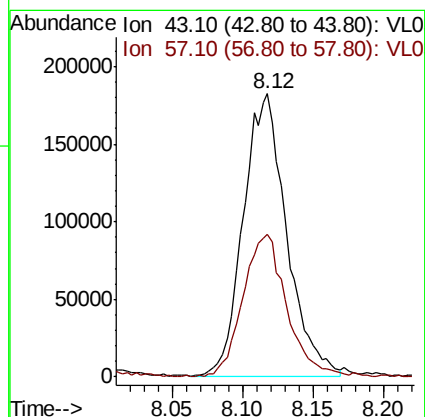
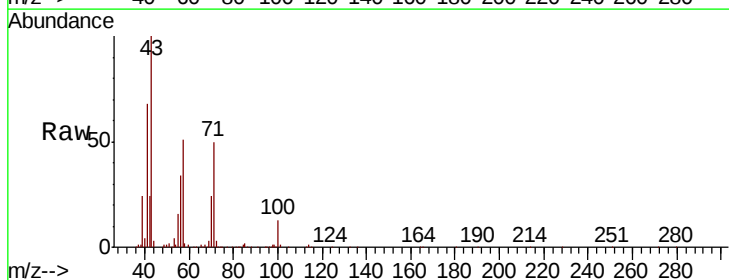
Acq: 5 May 2022 3:24

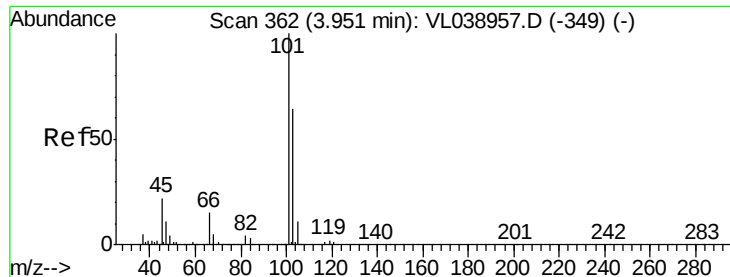
Tgt Ion: 43 Resp: 389091

Ion Ratio Lower Upper

43 100

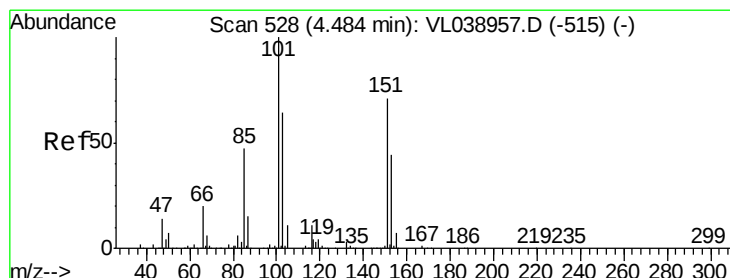
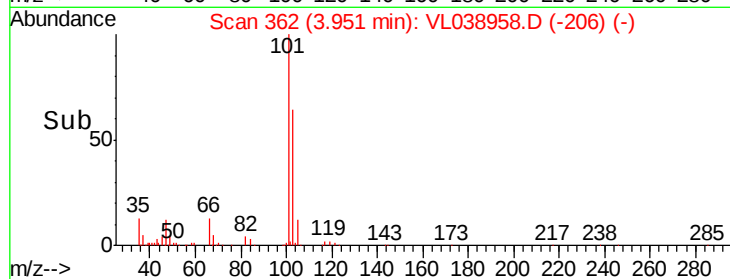
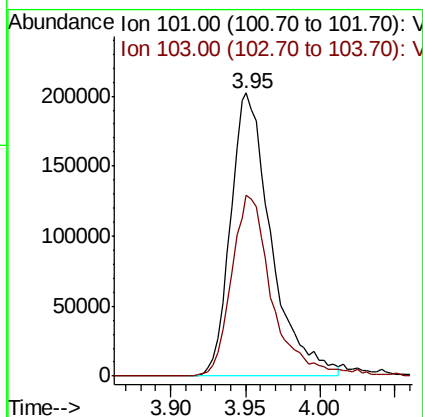
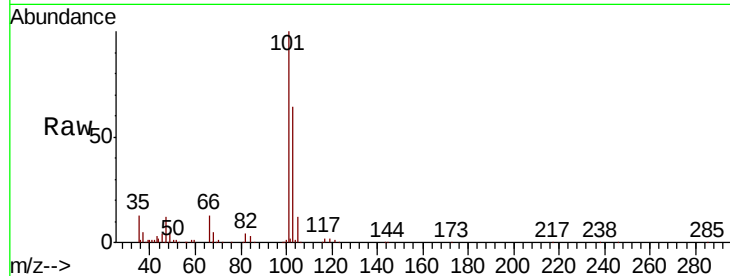
57 51.7 40.5 60.7





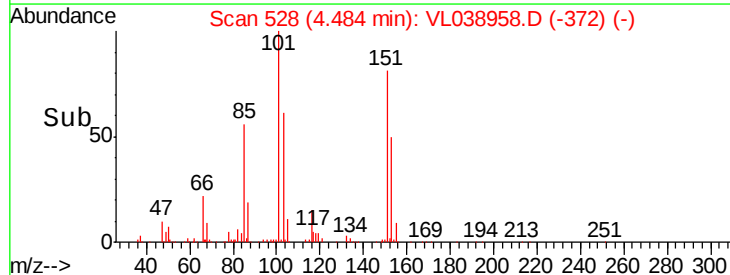
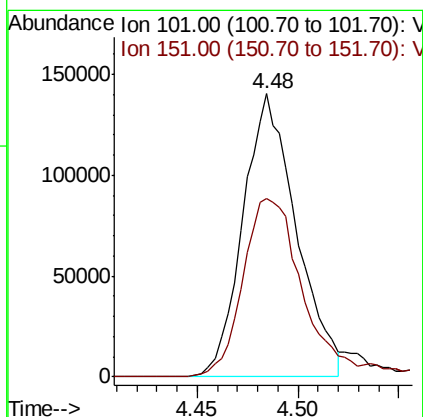
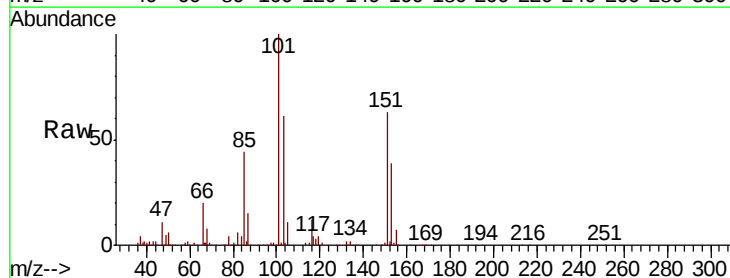
#11
 Trichlorofluoromethane
 Concen: 1.728 ppbv
 RT: 3.95 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 3:24

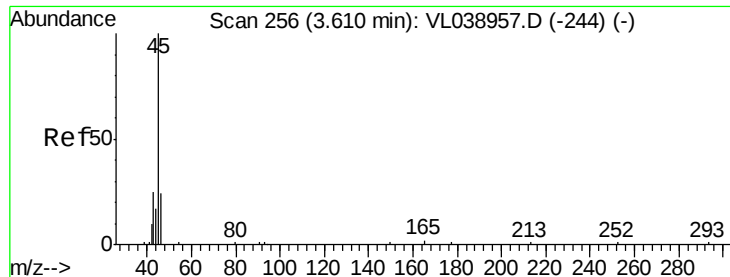
Tot Ion:101 Resp: 380749
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.819 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VL038958.D
 Acq: 5 May 2022 3:24

Tgt Ion:101 Resp: 259129
 Ion Ratio Lower Upper
 101 100
 151 74.1 55.4 83.0





#13

Ethanol

Concen: 0.165 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

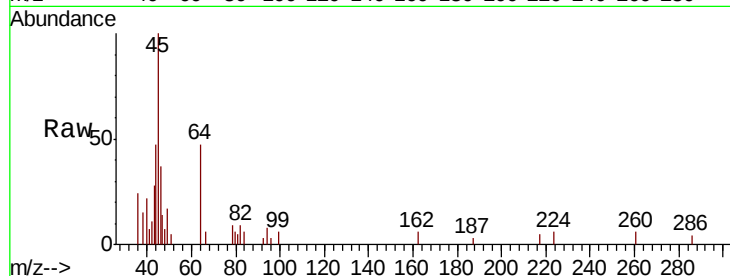
Acq: 5 May 2022 3:24

Tot Ion: 45 Resp: 1427

Ion Ratio Lower Upper

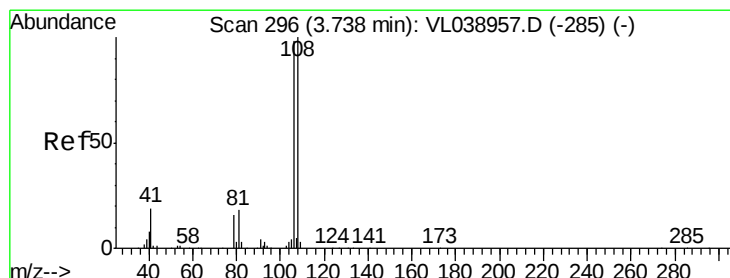
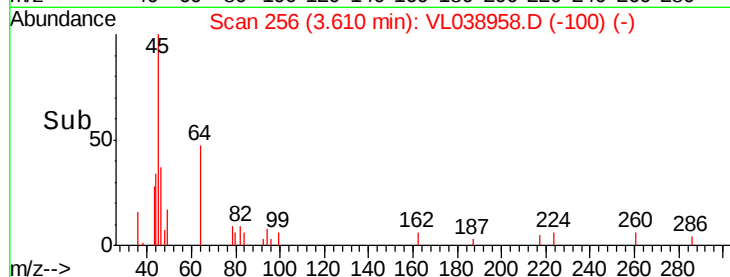
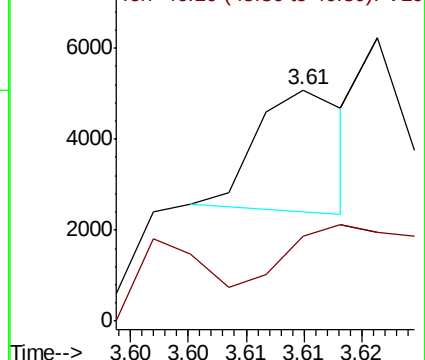
45 100

46 0.0 18.0 72.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 1.677 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.00 min

Lab File: VL038958.D

Acq: 5 May 2022 3:24

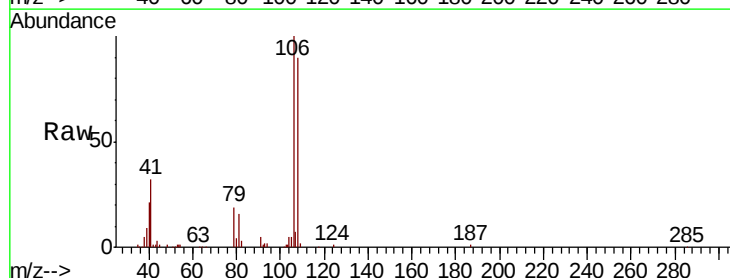
Tgt Ion: 108 Resp: 99440

Ion Ratio Lower Upper

108 100

106 127.1 90.3 135.5

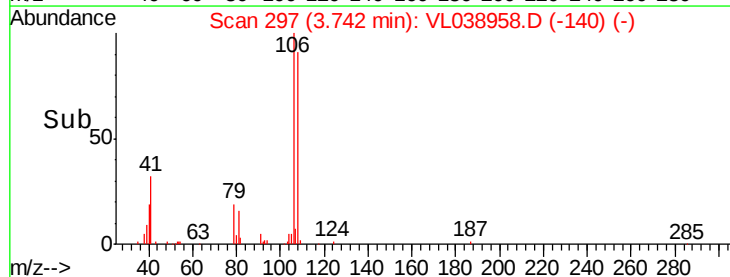
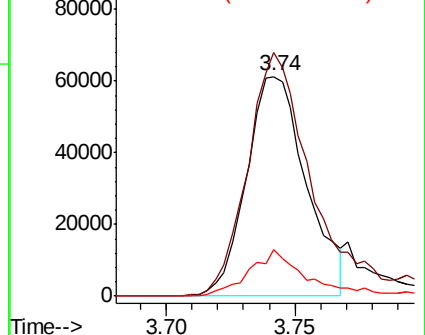
79 22.2 14.9 22.3

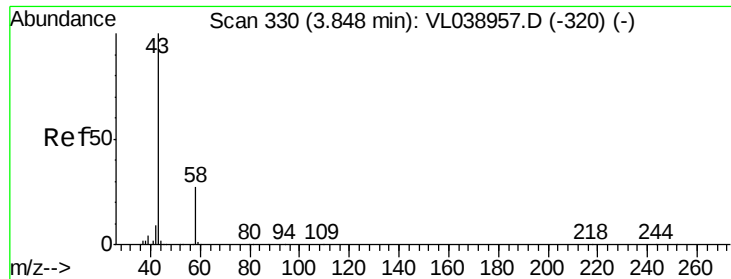


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 2.138 ppbv

RT: 3.85 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

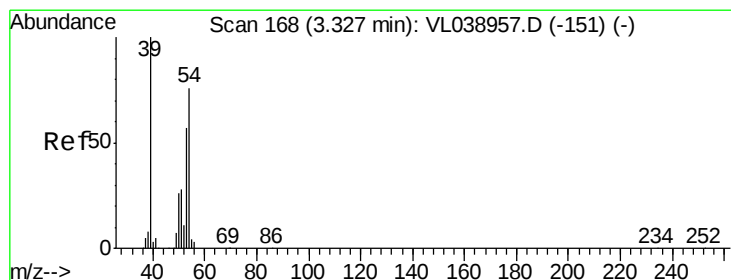
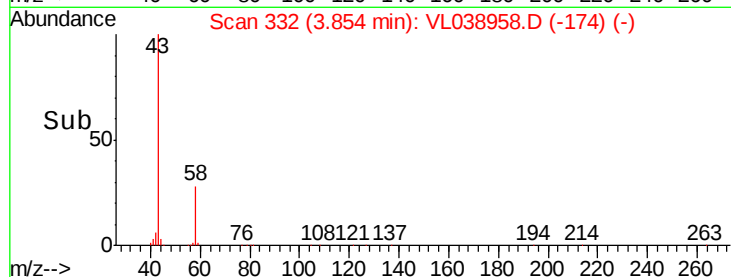
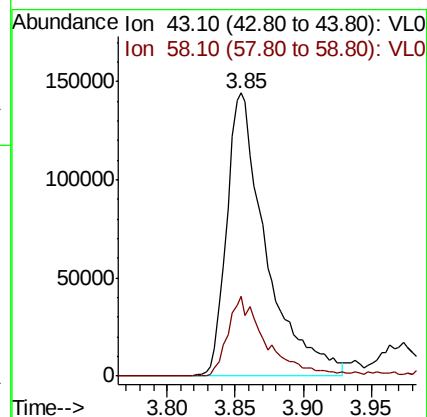
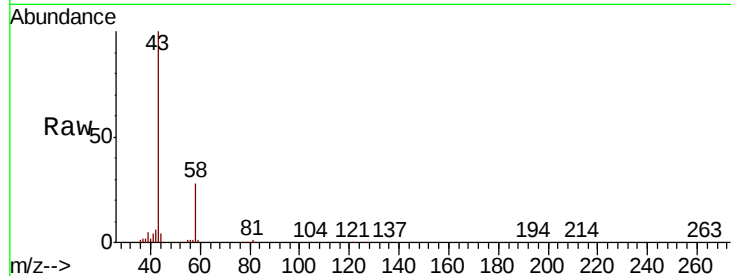
Acq: 5 May 2022 3:24

Tot Ion: 43 Resp: 289386

Ion Ratio Lower Upper

43 100

58 27.6 21.3 31.9



#16

1,3-Butadiene

Concen: 1.654 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.00 min

Lab File: VL038958.D

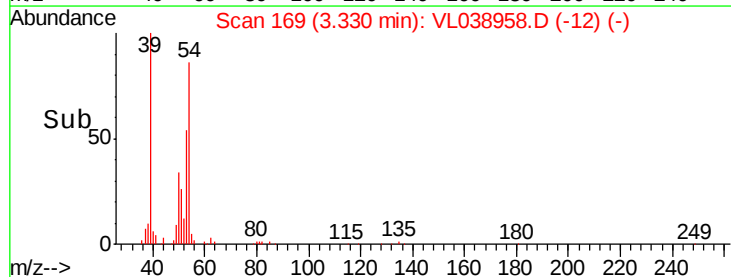
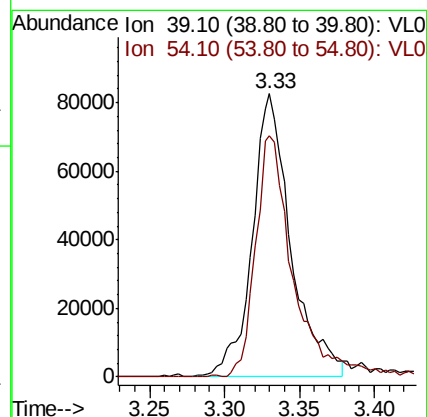
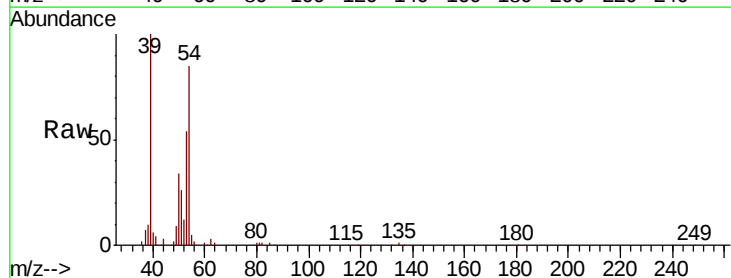
Acq: 5 May 2022 3:24

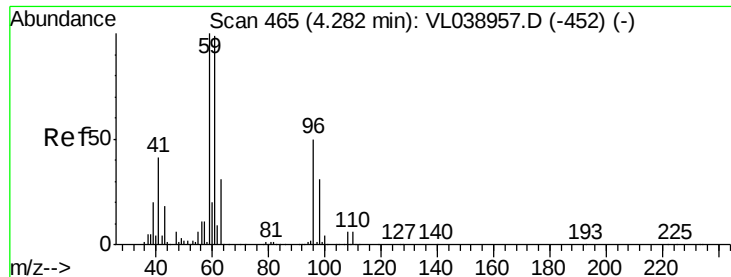
Tgt Ion: 39 Resp: 149166

Ion Ratio Lower Upper

39 100

54 83.6 65.2 97.8





#17

tert-Butyl alcohol

Concen: 1.526 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

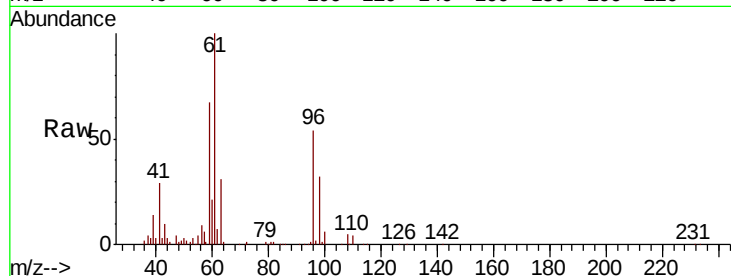
Acq: 5 May 2022 3:24

Tot Ion: 59 Resp: 173886

Ion Ratio Lower Upper

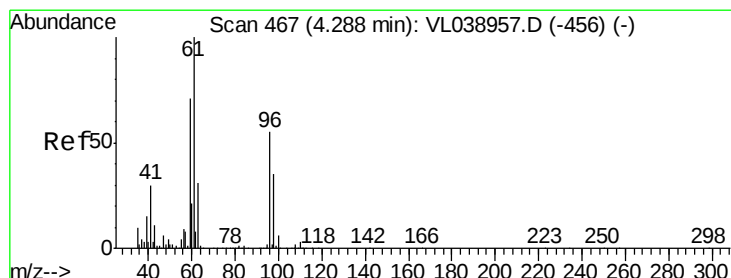
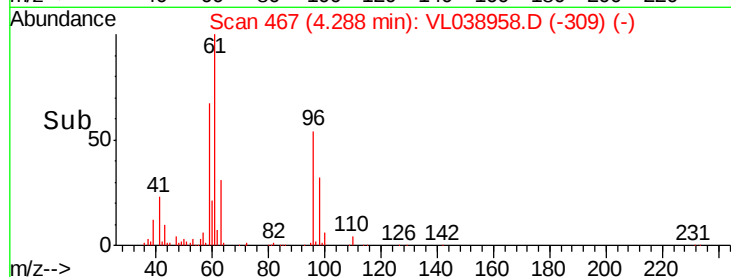
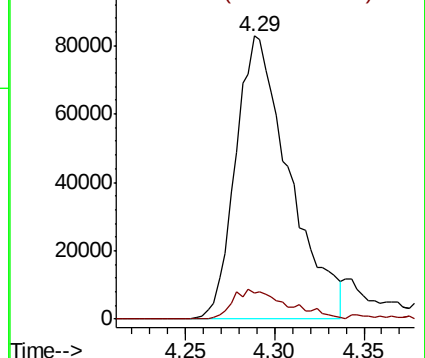
59 100

57 10.7 9.2 13.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 1.918 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL038958.D

Acq: 5 May 2022 3:24

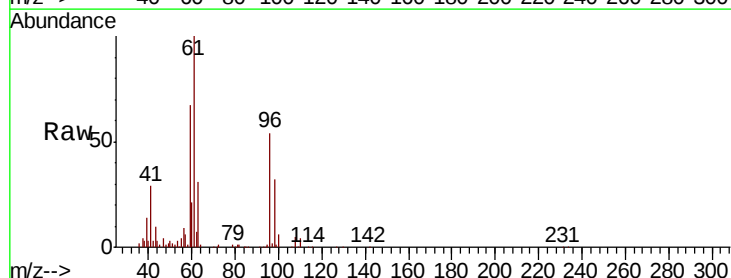
Tgt Ion: 96 Resp: 120721

Ion Ratio Lower Upper

96 100

61 186.0 146.3 219.5

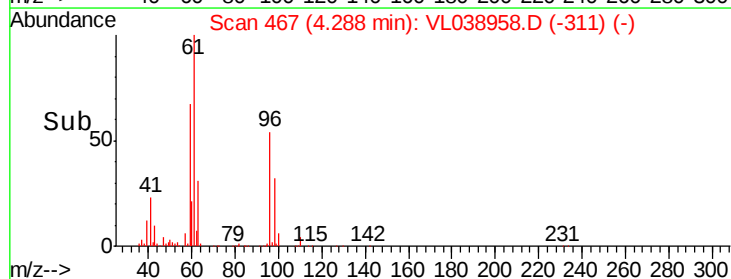
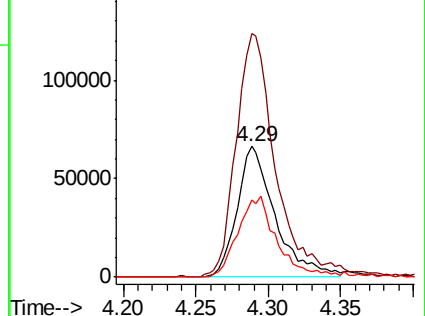
98 59.0 50.6 75.8

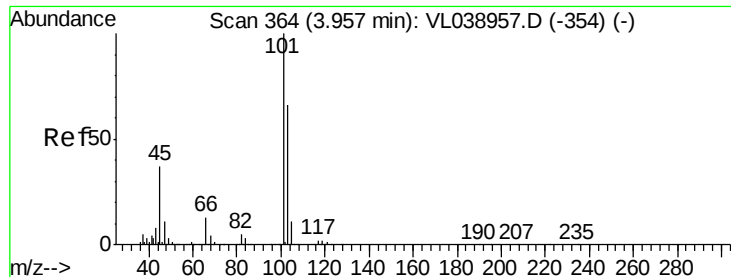


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.595 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

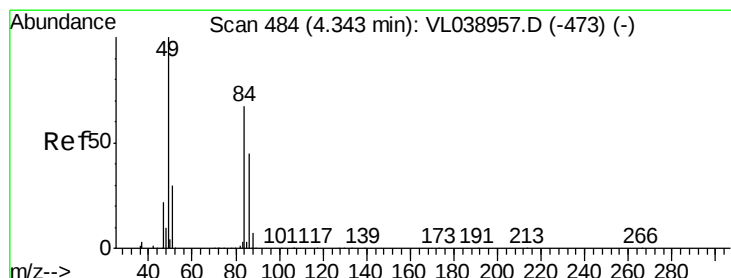
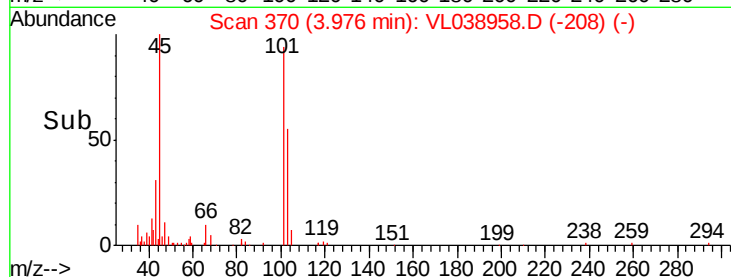
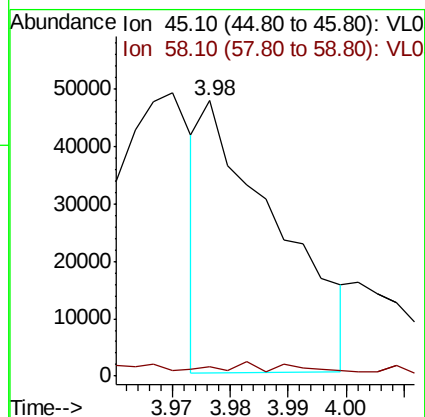
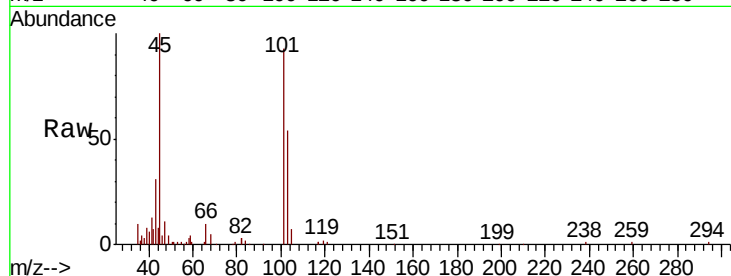
Acq: 5 May 2022 3:24

Tot Ion: 45 Resp: 43008

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.2#



#20

Methylene Chloride

Concen: 1.575 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL038958.D

Acq: 5 May 2022 3:24

Tgt Ion: 84 Resp: 96025

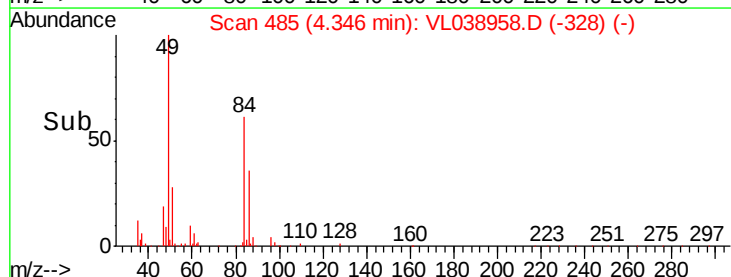
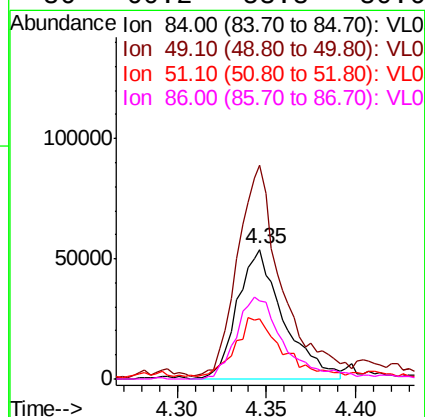
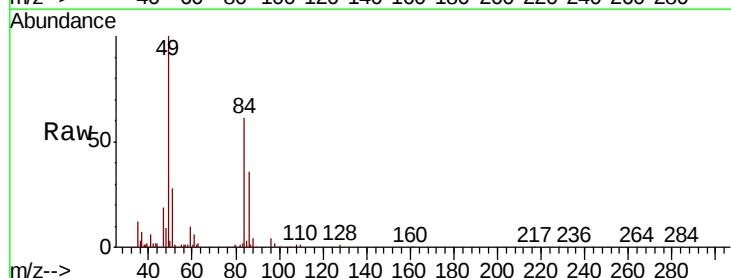
Ion Ratio Lower Upper

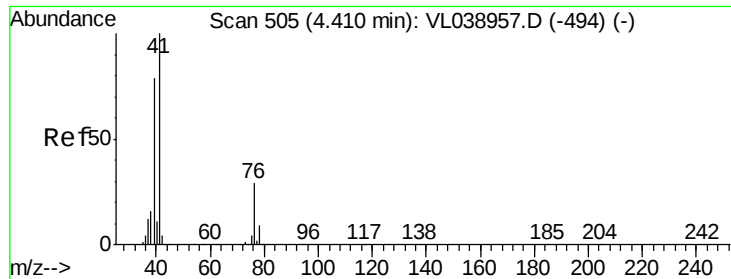
84 100

49 162.8 119.9 179.9

51 43.5 35.7 53.5

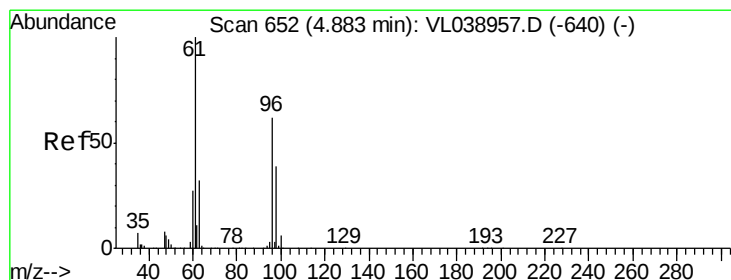
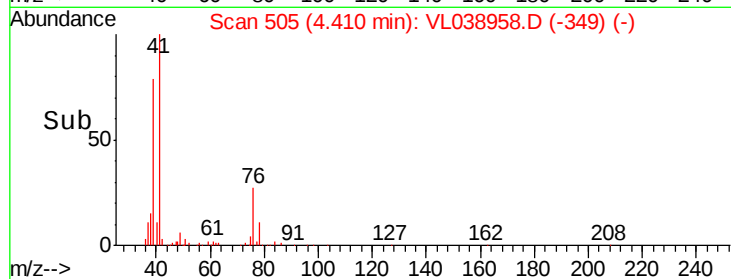
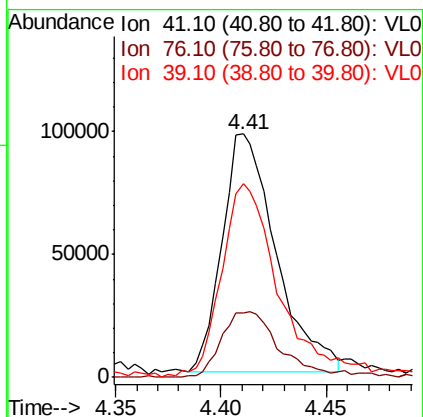
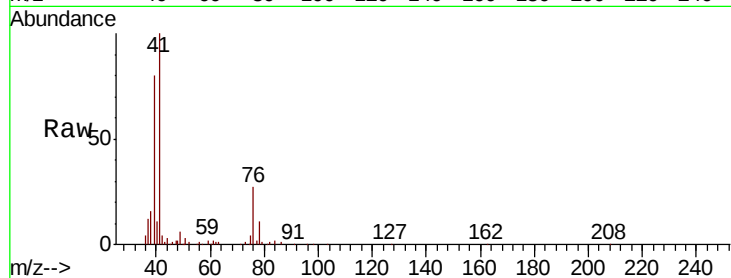
86 60.2 53.8 80.6





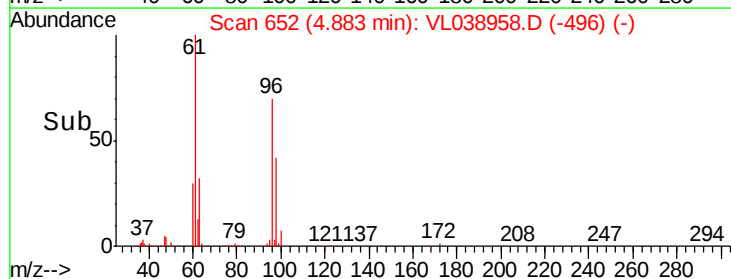
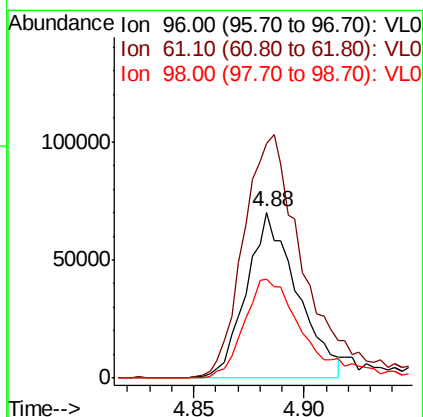
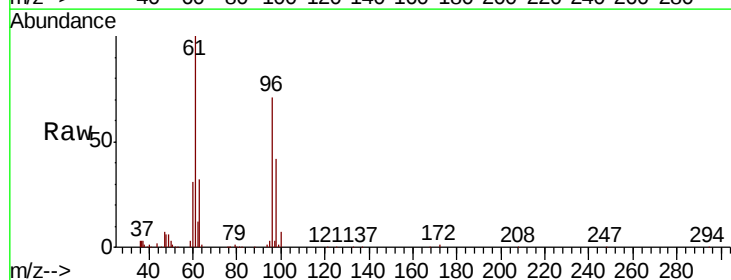
#21
 Allvl Chloride
 Concen: 1.661 ppbv
 RT: 4.41 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 3:24

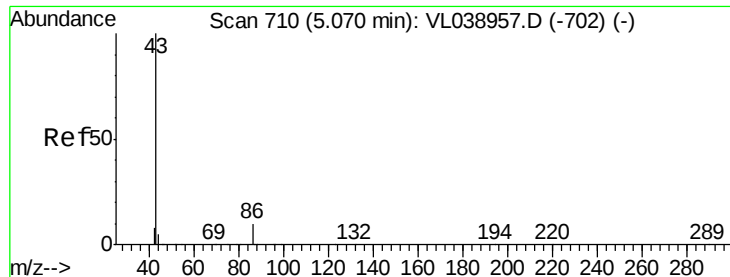
Tot Ion:	41	Resp:	172361
Ion	Ratio	Lower	Upper
41	100		
76	31.0	24.2	36.4
39	89.6	63.8	95.8



#22
 trans-1,2-Dichloroethene
 Concen: 1.881 ppbv
 RT: 4.88 min Scan# 652
 Delta R.T. 0.00 min
 Lab File: VL038958.D
 Acq: 5 May 2022 3:24

Tgt Ion:	96	Resp:	112261
Ion	Ratio	Lower	Upper
96	100		
61	140.7	128.2	192.2
98	59.3	50.1	75.1





#23

Vinyl Acetate

Concen: 0.978 ppbv

RT: 5.08 Instrument:

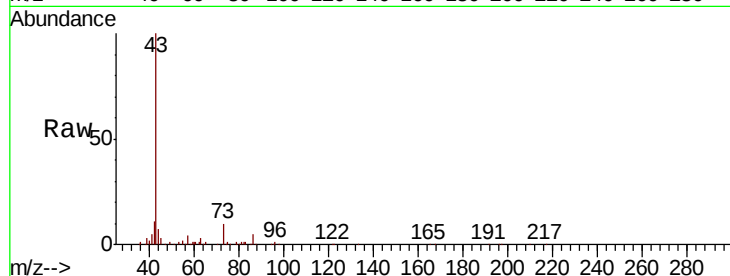
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

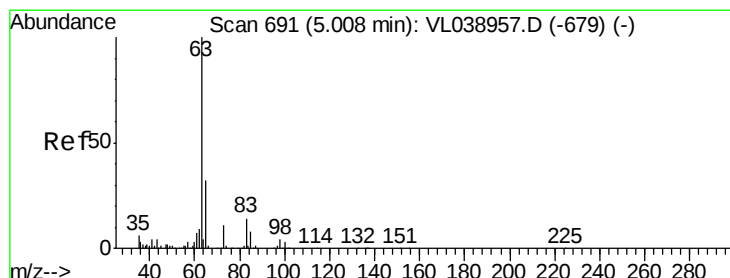
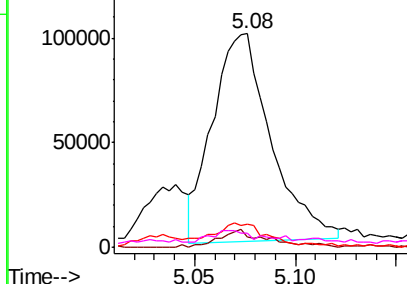
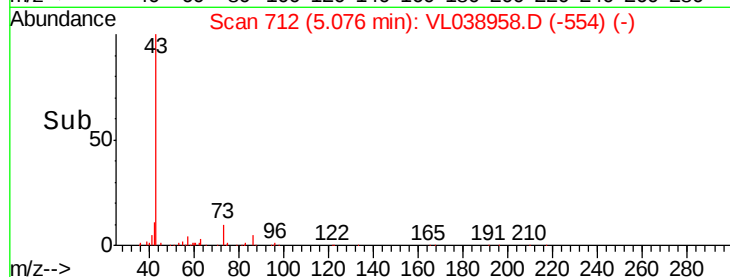
Acq: 5 May 2022 3:24

Tot Ion: 43 Resp: 201004

Ion	Ratio	Lower	Upper
43	100		
86	5.3	6.6	9.8#
42	11.1	8.1	12.1
44	4.2	3.5	5.3



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



#24

1,1-Dichloroethane

Concen: 1.554 ppbv

RT: 5.01 min Scan# 691

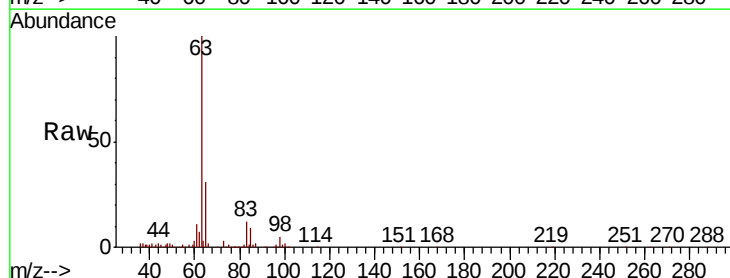
Delta R.T. 0.00 min

Lab File: VL038958.D

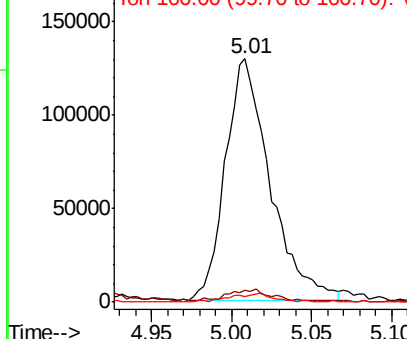
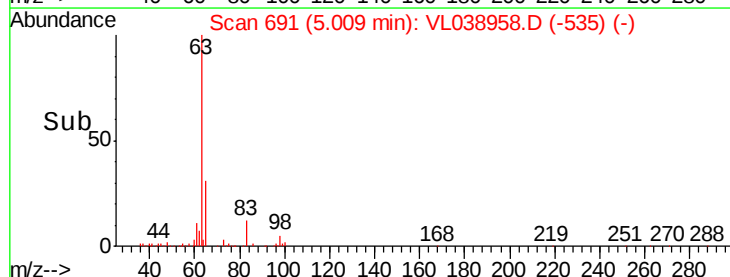
Acq: 5 May 2022 3:24

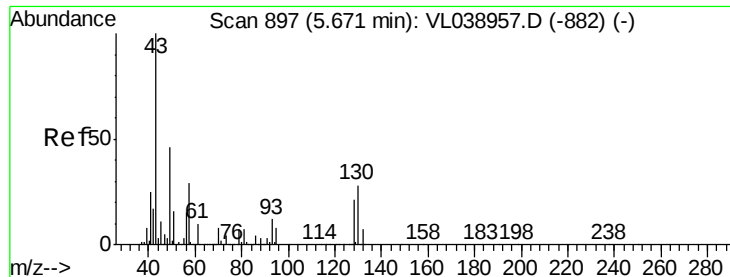
Tgt Ion: 63 Resp: 246158

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.2
100	2.1	1.4	4.2



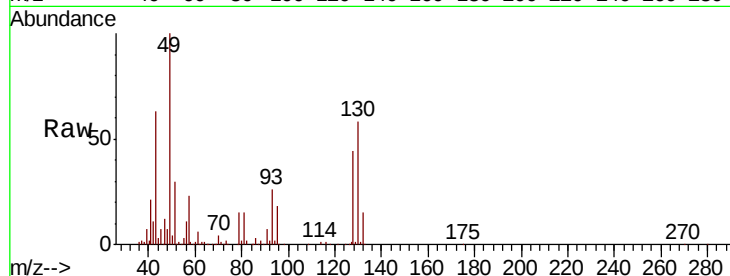
Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0



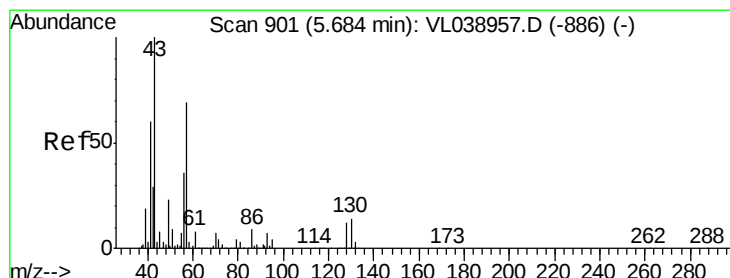
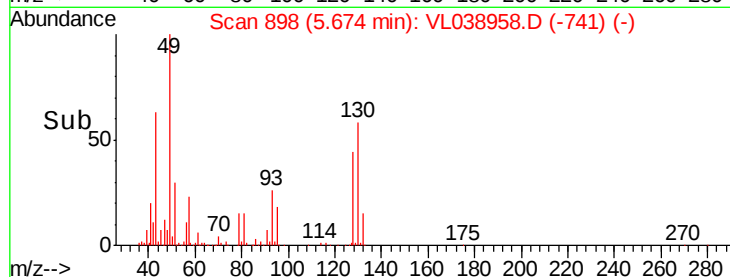
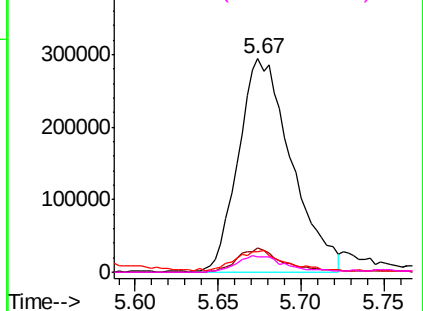


#25
Ethyl Acetate
Concen: 2.028 ppbv
RT: 5.67 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 3:24

Tot Ion:	43	Resp:	649971
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.1	12.1
61	10.5	7.8	11.6
70	7.3	5.6	8.4

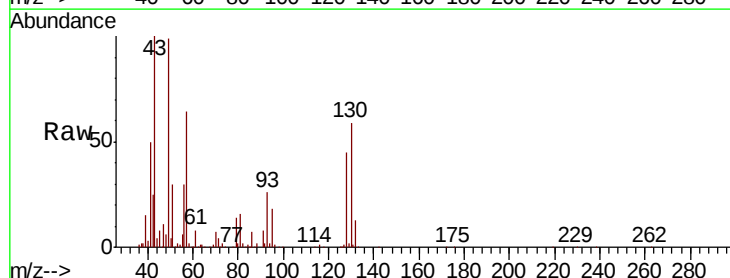


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

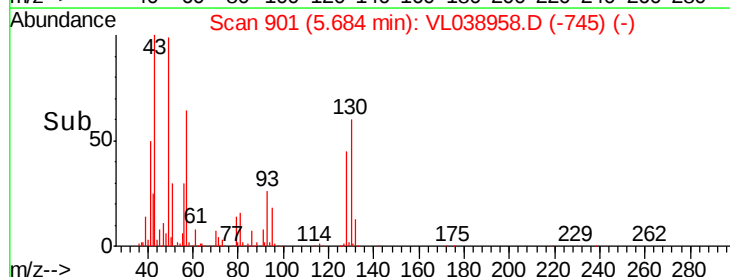
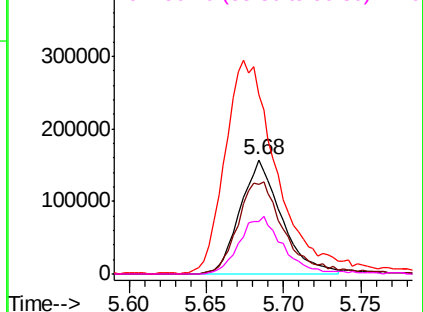


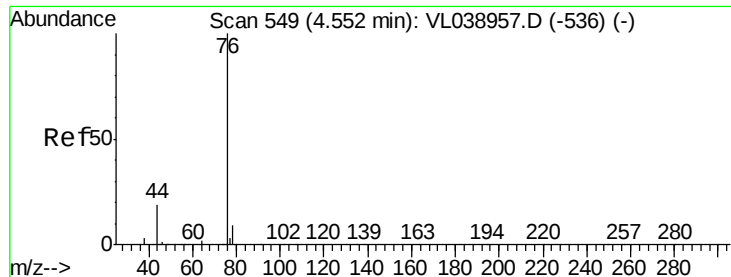
#26
Hexane
Concen: 1.999 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL038958.D
Acq: 5 May 2022 3:24

Tgt Ion:	57	Resp:	291947
Ion	Ratio	Lower	Upper
57	100		
41	93.3	75.2	112.8
43	240.5	190.8	286.2
56	53.9	43.0	64.6



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 1.817 ppbv

RT: 4.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 3:24

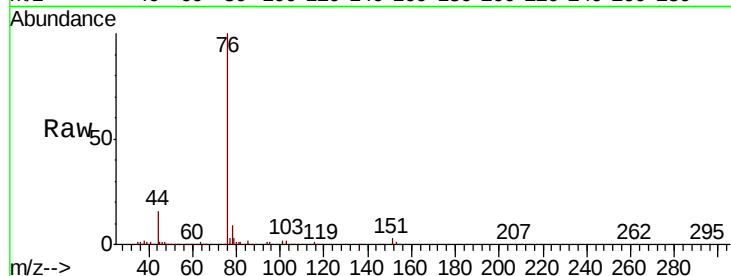
Tot Ion: 76 Resp: 261641

Ion Ratio Lower Upper

76 100

44 22.0 15.3 22.9

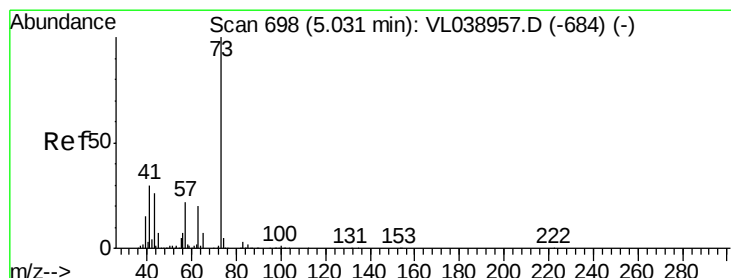
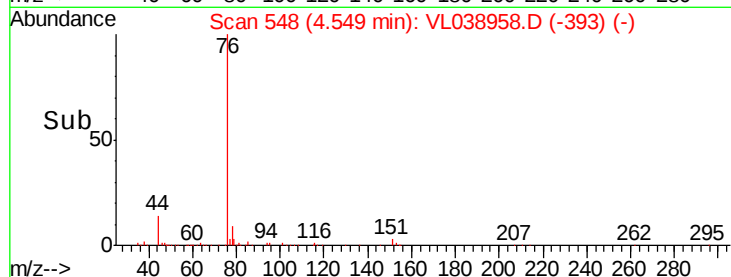
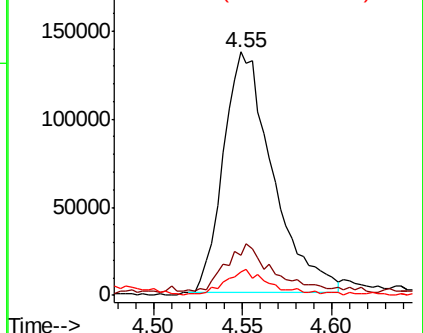
78 9.4 8.2 12.2



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 1.374 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.00 min

Lab File: VL038958.D

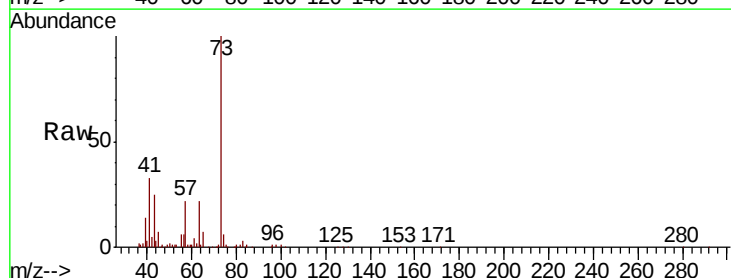
Acq: 5 May 2022 3:24

Tgt Ion: 73 Resp: 221667

Ion Ratio Lower Upper

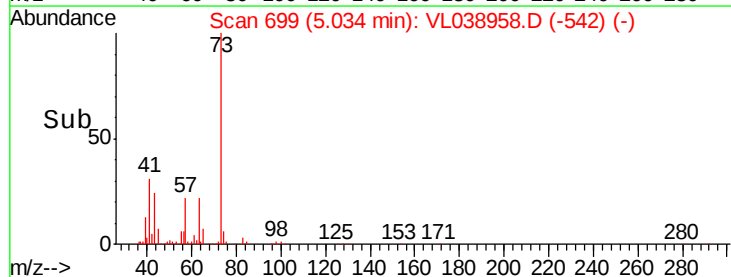
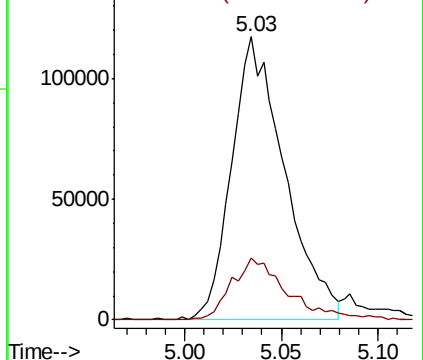
73 100

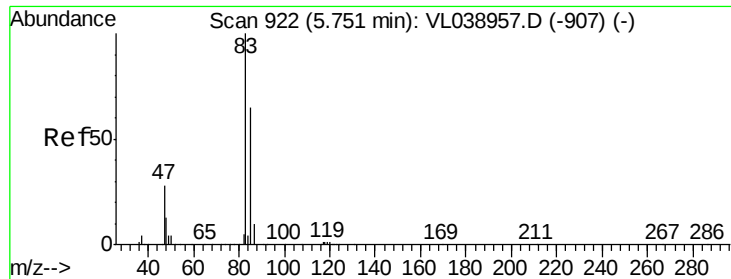
57 23.5 18.8 28.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 1.935 ppbv

RT: 5.74 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

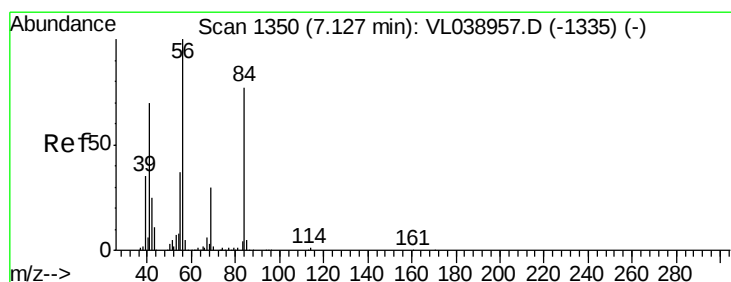
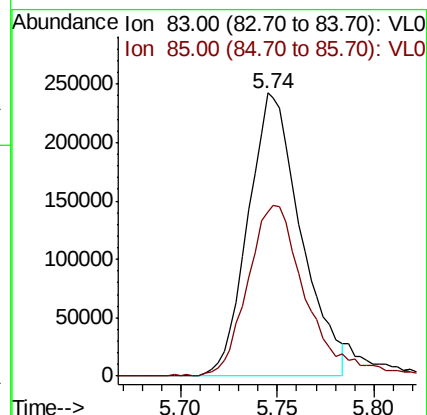
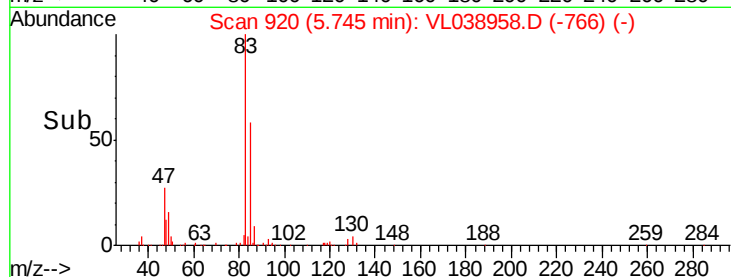
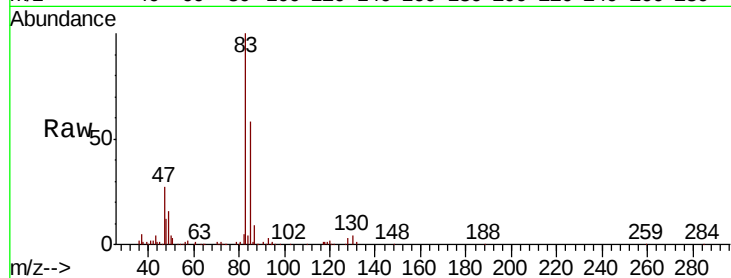
Acq: 5 May 2022 3:24

Tot Ion: 83 Resp: 459209

Ion Ratio Lower Upper

83 100

85 58.2 51.8 77.6



#30

Cyclohexane

Concen: 2.015 ppbv

RT: 7.12 min Scan# 1349

Delta R.T. -0.00 min

Lab File: VL038958.D

Acq: 5 May 2022 3:24

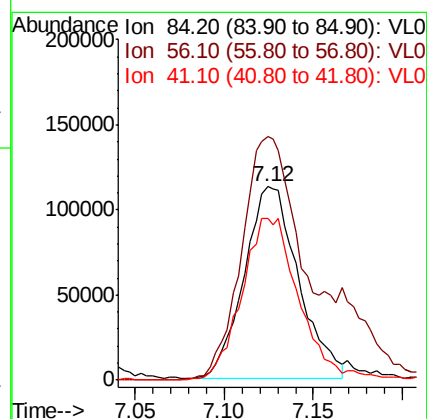
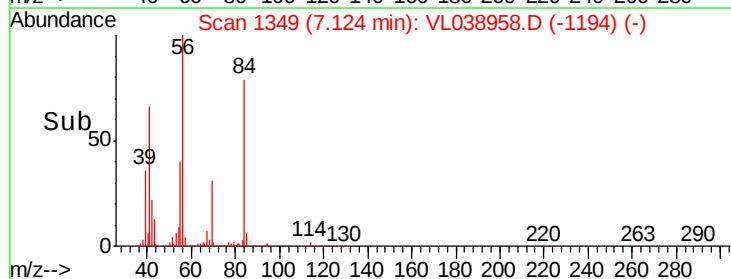
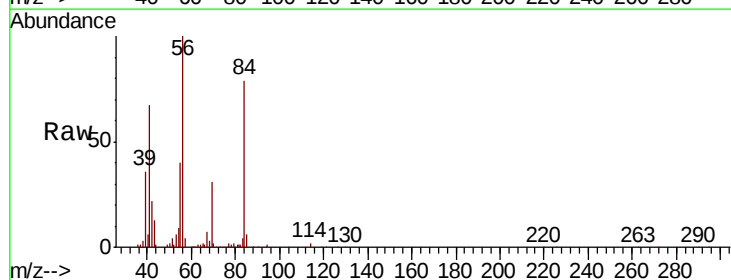
Tgt Ion: 84 Resp: 238374

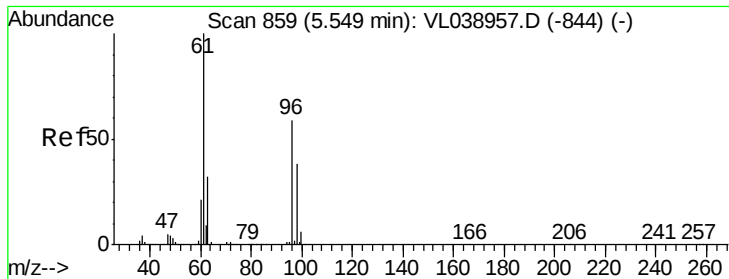
Ion Ratio Lower Upper

84 100

56 173.0 115.3 172.9#

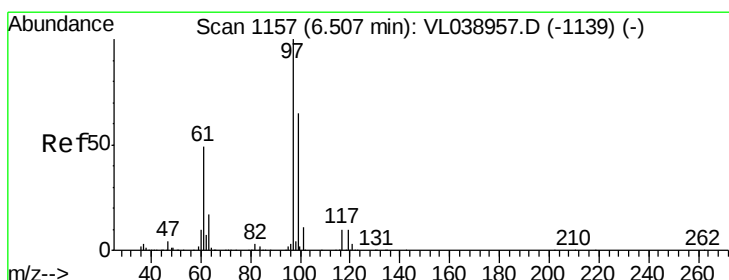
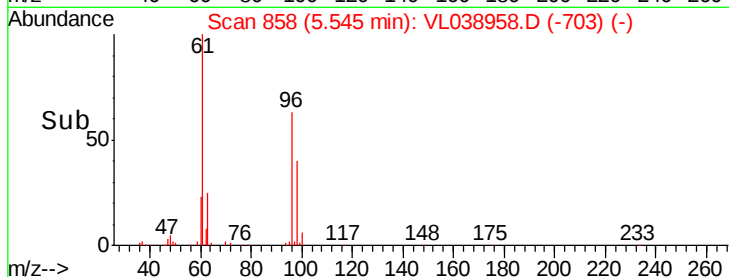
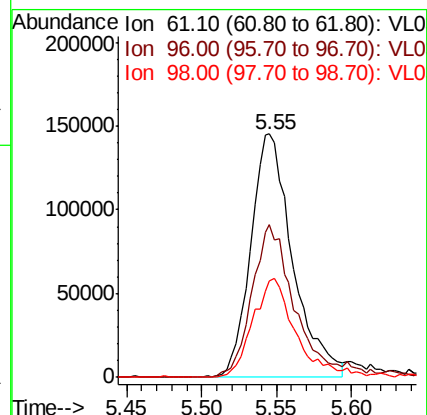
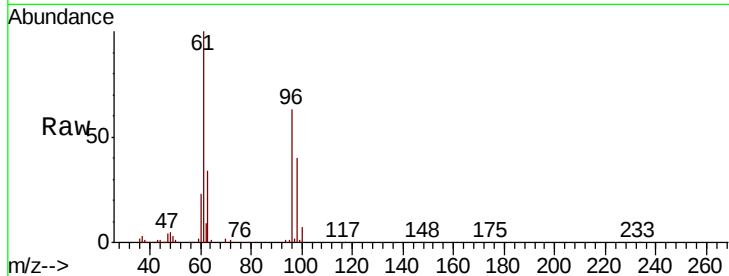
41 90.4 72.0 108.0





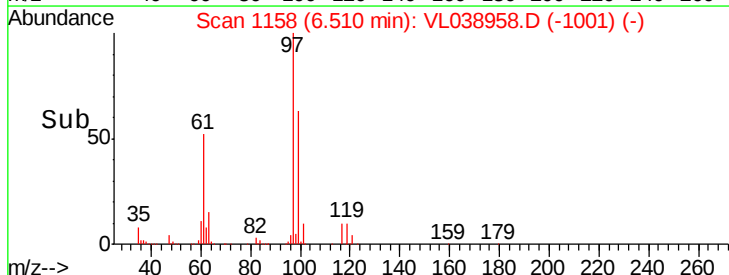
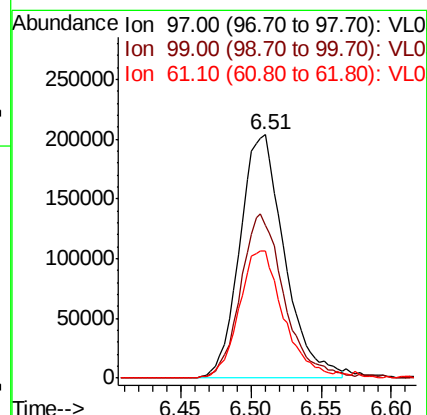
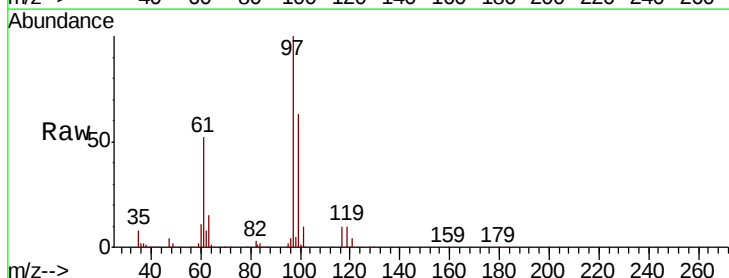
#31
 cis-1,2-Dichloroethene
 Concen: 1.987 ppbv
 RT: 5.55
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 5 May 2022 3:24

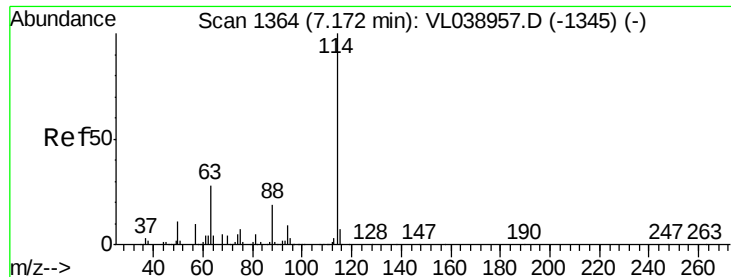
Tot Ion	61	Resp	283592
Ion	Ratio	Lower	Upper
61	100		
96	62.7	47.4	71.0
98	39.8	30.6	45.8



#32
 1,1,1-Trichloroethane
 Concen: 1.892 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: VL038958.D
 Acq: 5 May 2022 3:24

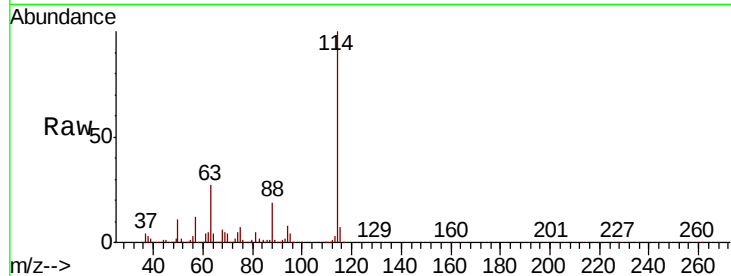
Tgt Ion	97	Resp	452134
Ion	Ratio	Lower	Upper
97	100		
99	66.5	51.9	77.9
61	53.5	40.9	61.3



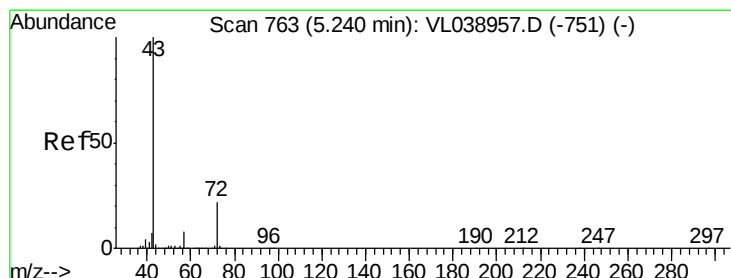
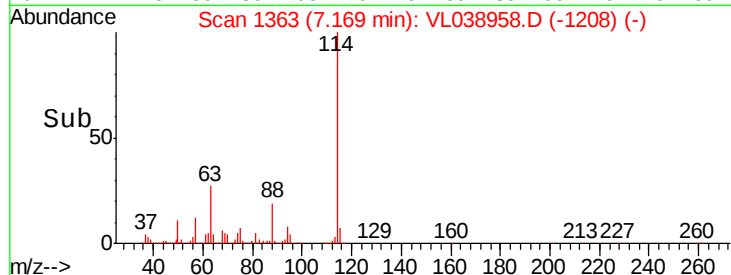
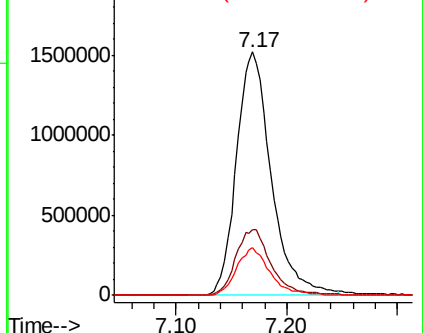


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 3:24

Tot Ion:114 Resp: 3320044
 Ion Ratio Lower Upper
 114 100
 63 27.9 22.6 33.8
 88 19.1 15.4 23.0

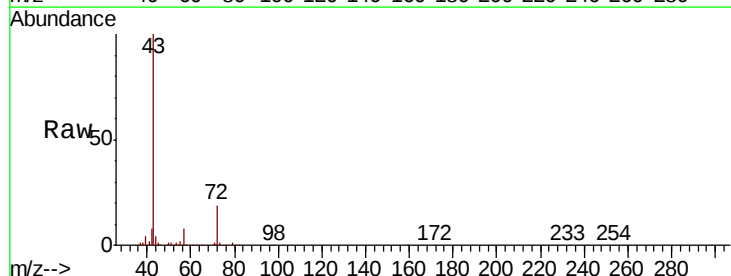


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

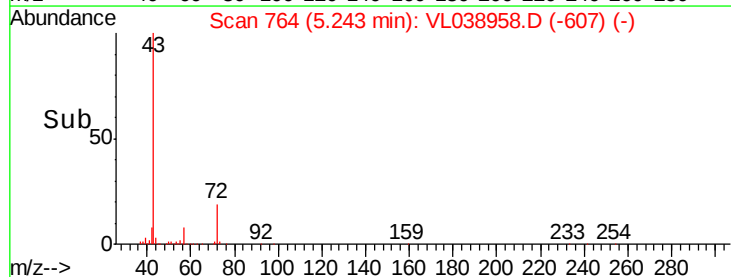
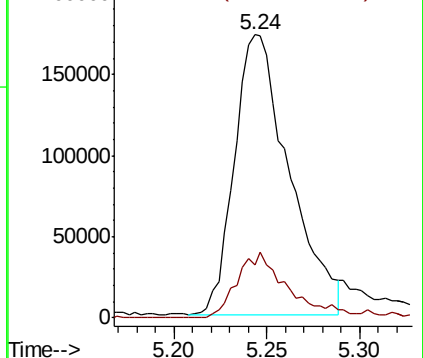


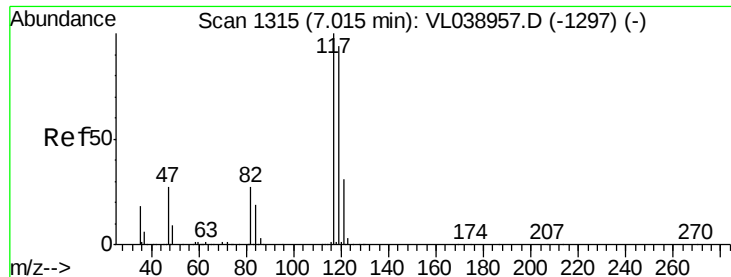
#34
 2-Butanone
 Concen: 2.160 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: VL038958.D
 Acq: 5 May 2022 3:24

Tgt Ion: 43 Resp: 355911
 Ion Ratio Lower Upper
 43 100
 72 23.3 17.8 26.6



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





#35

Carbon Tetrachloride

Concen: 1.784 ppbv

RT: 7.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 3:24

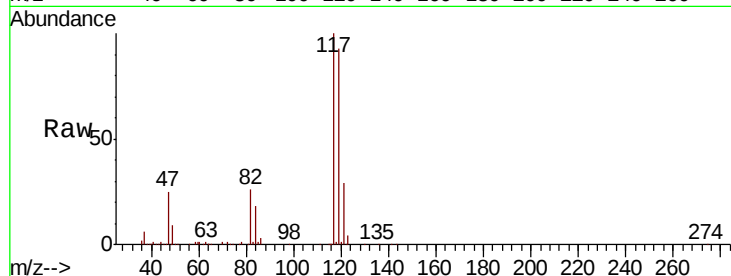
Tot Ion:117 Resp: 454278

Ion Ratio Lower Upper

117 100

119 93.2 75.2 112.8

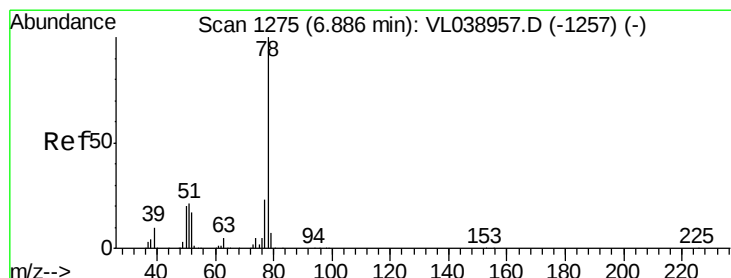
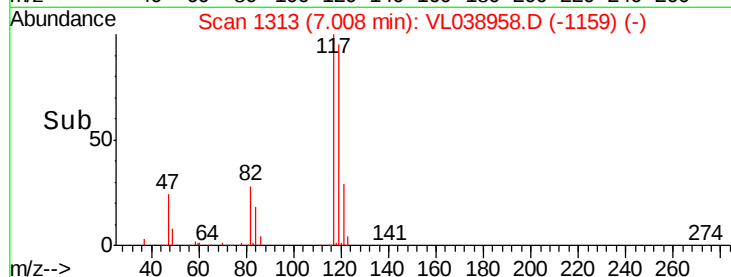
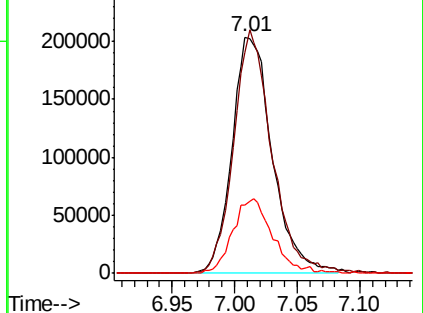
121 28.8 24.6 37.0



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: 1.969 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VL038958.D

Acq: 5 May 2022 3:24

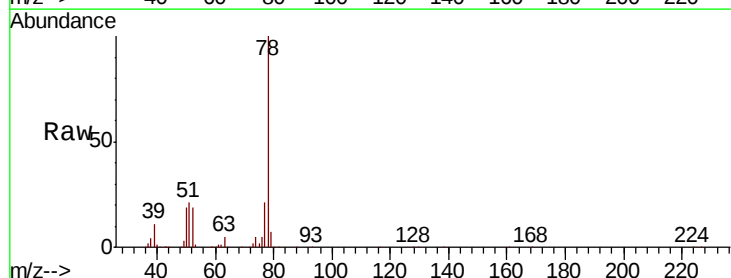
Tgt Ion: 78 Resp: 596550

Ion Ratio Lower Upper

78 100

77 21.0 18.6 28.0

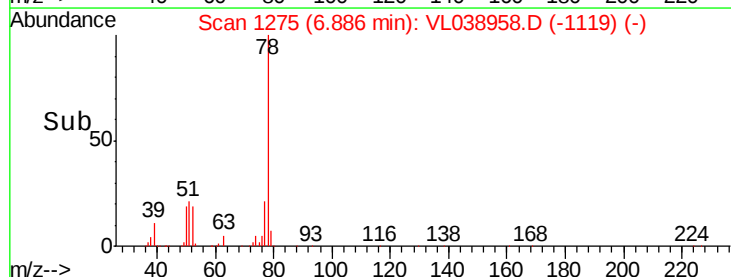
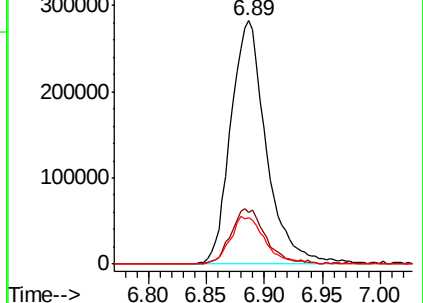
50 19.0 15.6 23.4

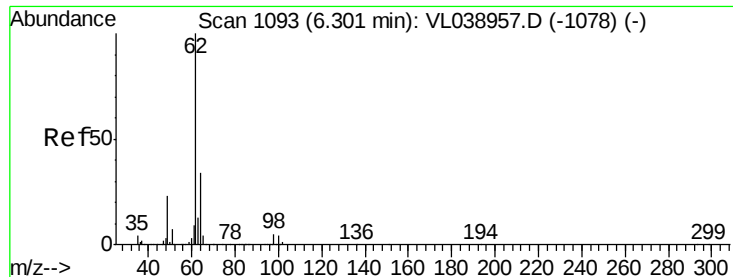


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 2.003 ppbv

RT: 6.30 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

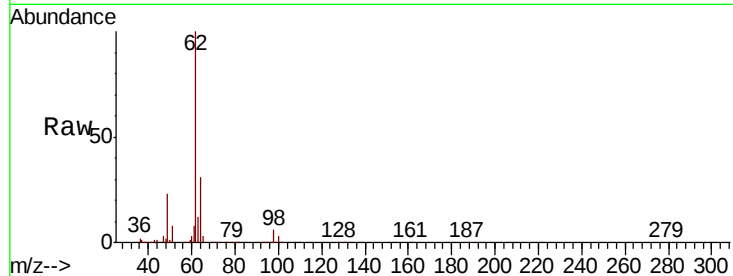
Acq: 5 May 2022 3:24

Tot Ion: 62 Resp: 363175

Ion Ratio Lower Upper

62 100

98 5.8 4.5 6.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.30

200000

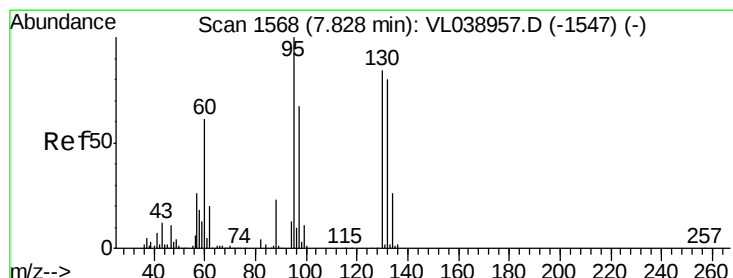
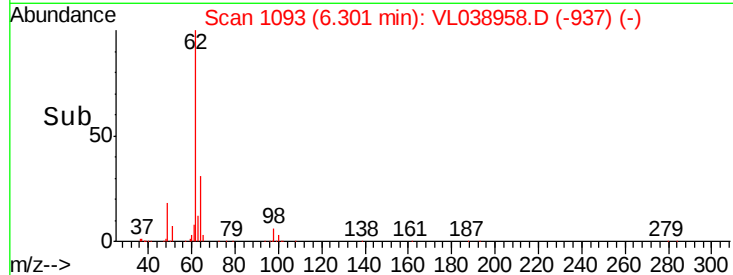
150000

100000

50000

0

Time-->



#38

Trichloroethene

Concen: 2.024 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VL038958.D

Acq: 5 May 2022 3:24

Tgt Ion: 130 Resp: 245435

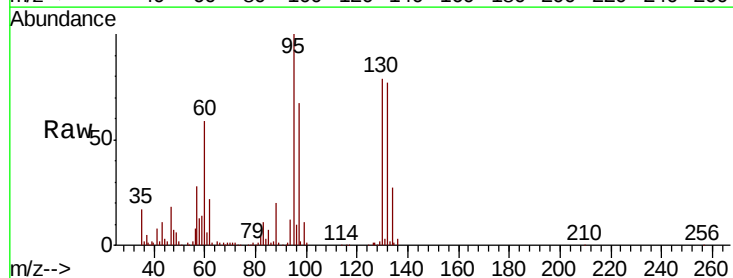
Ion Ratio Lower Upper

130 100

95 127.8 94.8 142.2

132 98.1 75.8 113.8

97 84.9 63.6 95.4



Abundance Ion 130.00 (129.70 to 130.70): VL0

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): VL0

Ion 97.00 (96.70 to 97.70): VL0

200000

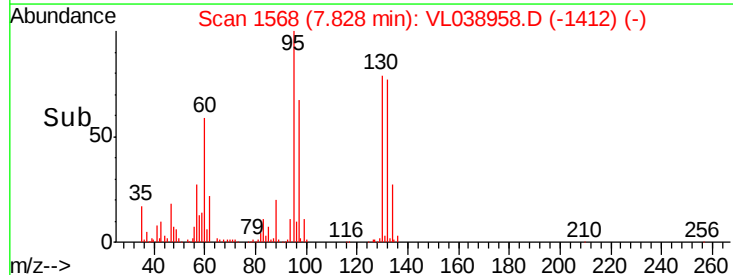
150000

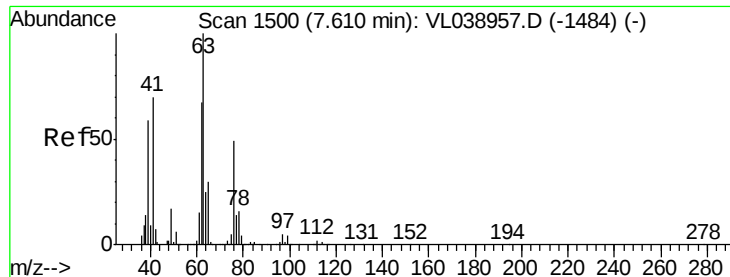
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 1.899 ppbv

RT: 7.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 3:24

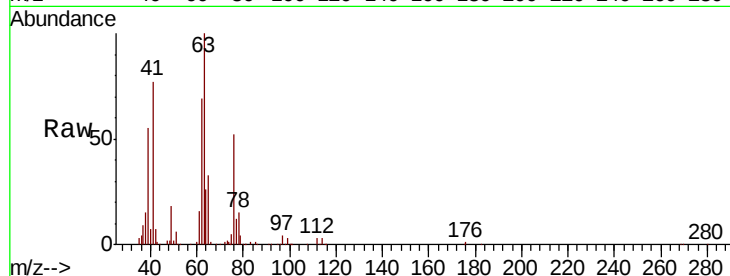
Tot Ion: 63 Resp: 233047

Ion Ratio Lower Upper

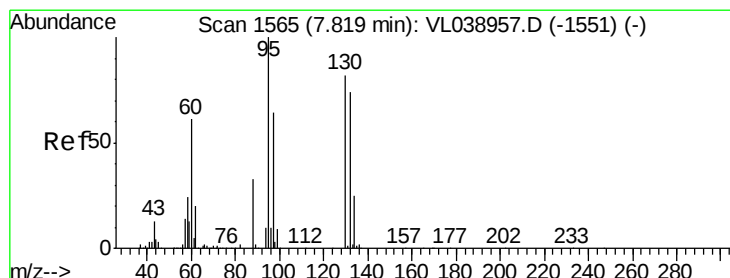
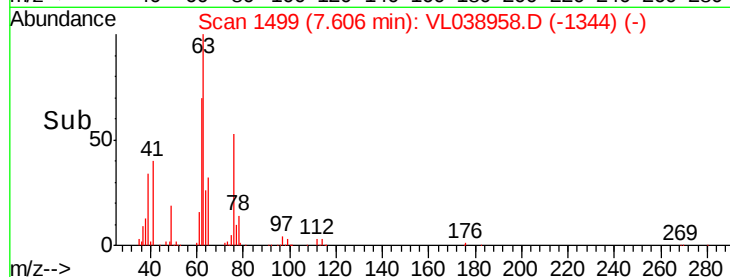
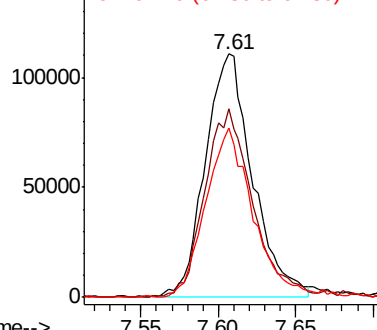
63 100

41 77.0 55.9 83.9

62 69.4 53.8 80.6



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 2.455 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VL038958.D

Acq: 5 May 2022 3:24

Tgt Ion: 88 Resp: 77307

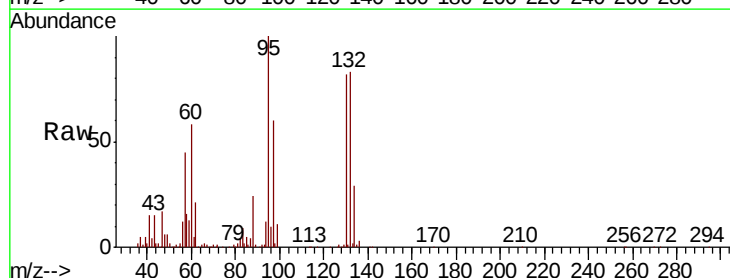
Ion Ratio Lower Upper

88 100

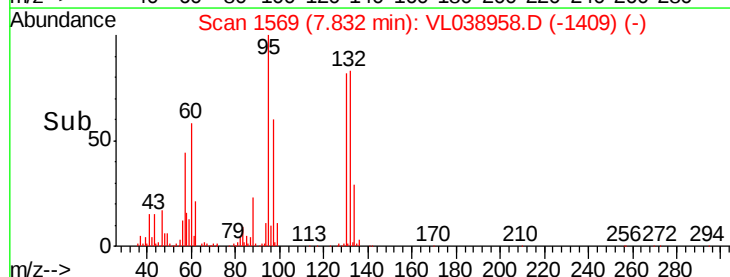
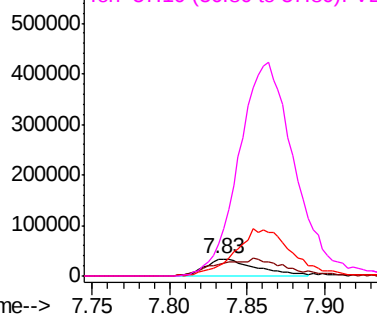
58 141.6 106.1 159.1

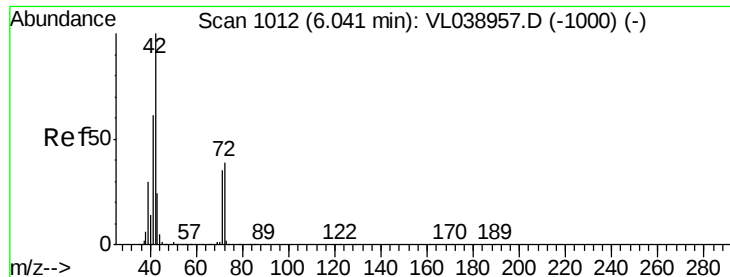
43 310.9 222.9 334.3

57 1393.2 957.6 1436.4



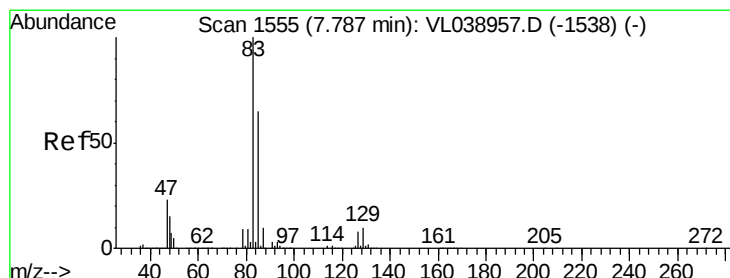
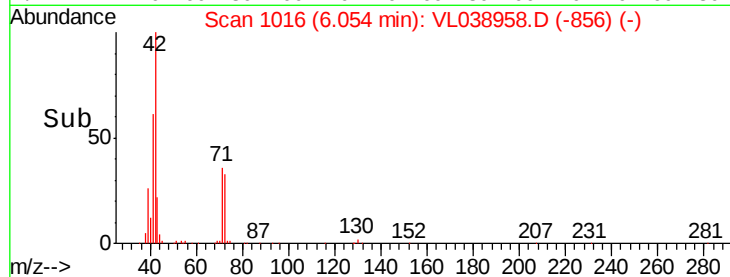
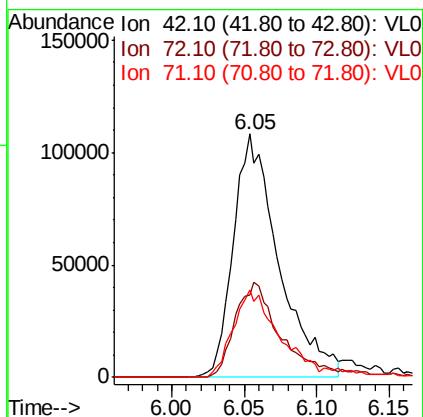
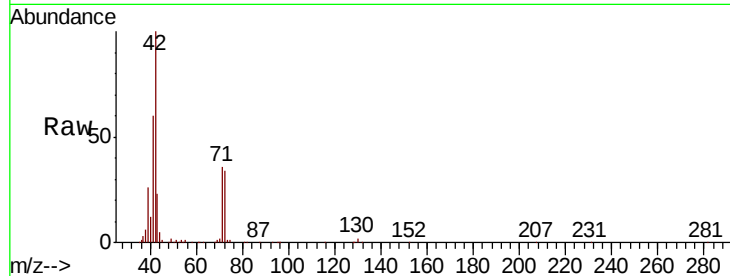
Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





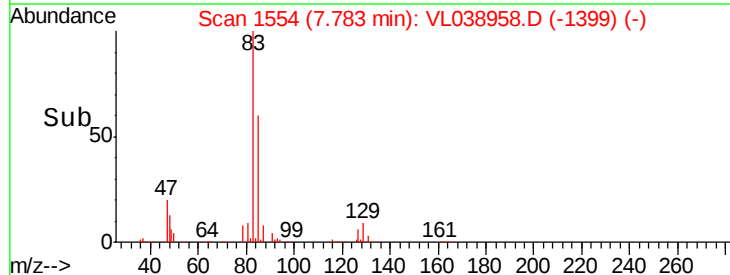
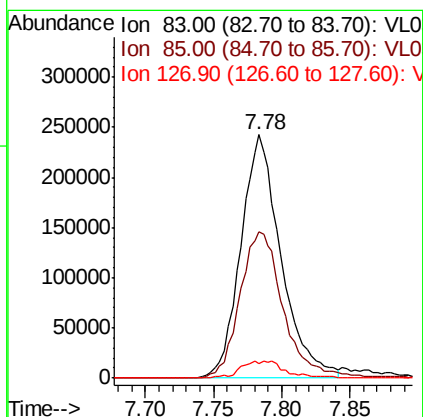
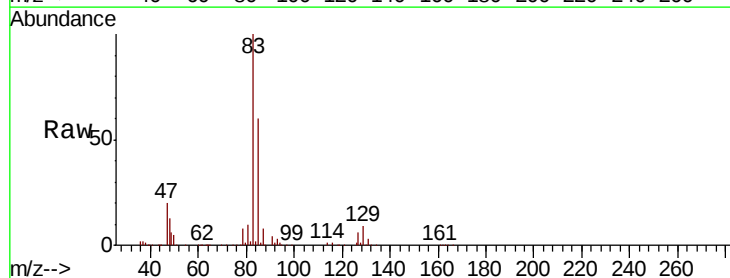
#41
Tetrahydrofuran
Concen: 2.862 ppbv
RT: 6.05
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 5 May 2022 3:24

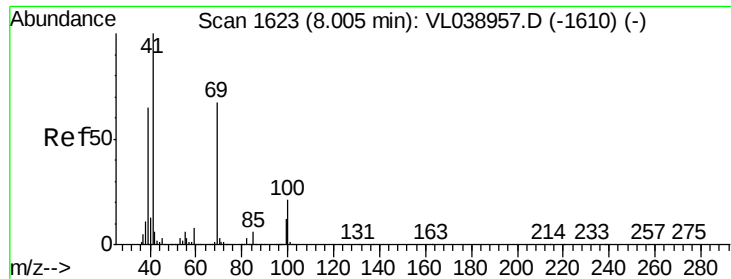
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	31.8	47.6
71	39.5	30.6	45.8



#42
Bromodichloromethane
Concen: 2.020 ppbv
RT: 7.78 min Scan# 1554
Delta R.T.: -0.00 min
Lab File: VL038958.D
Acq: 5 May 2022 3:24

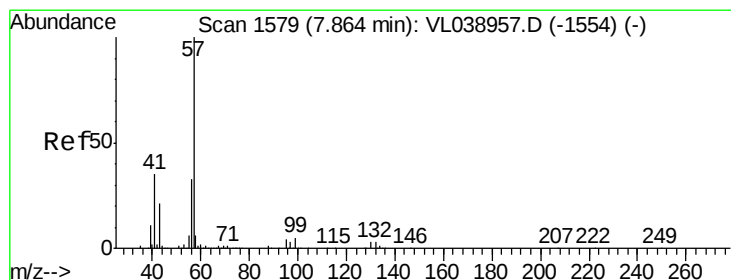
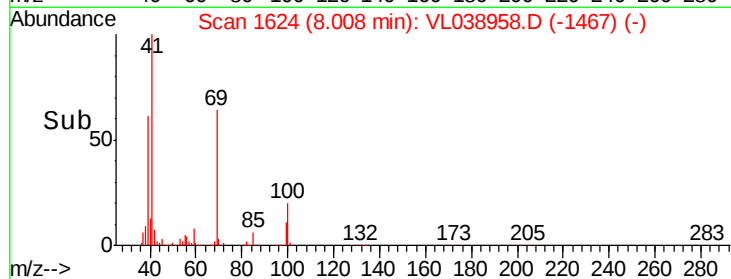
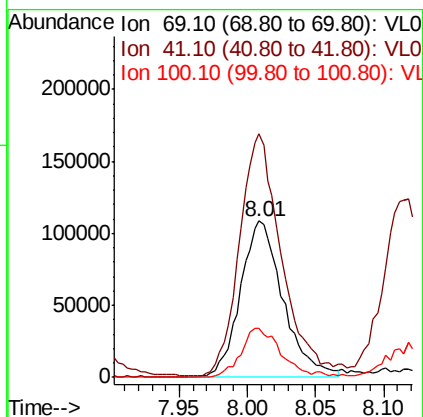
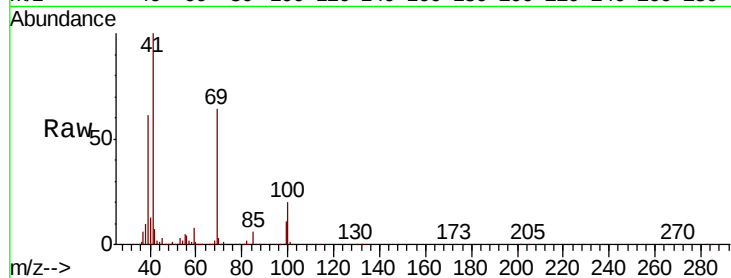
Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.8	52.0	78.0
127	5.9	6.0	9.0





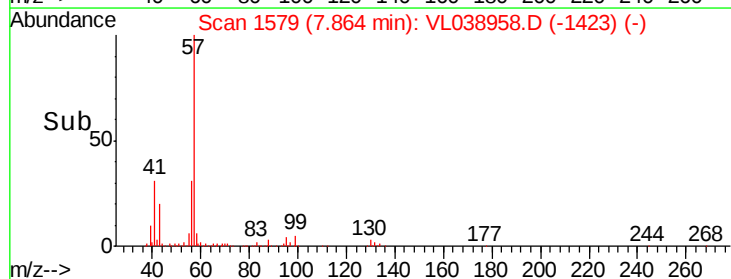
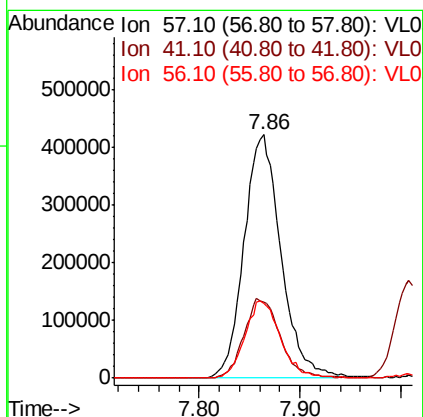
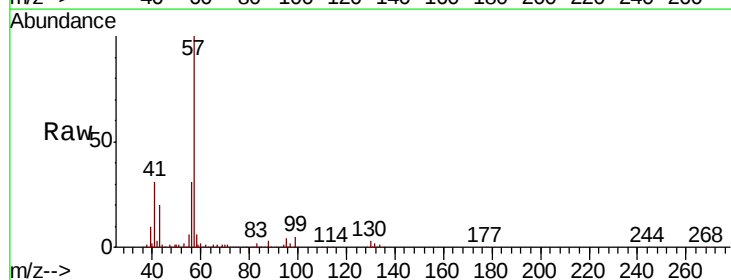
#43
Methvl Methacrilate
Concen: 2.259 ppbv
RT: 8.01
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId:
Acq: 5 May 2022 3:24

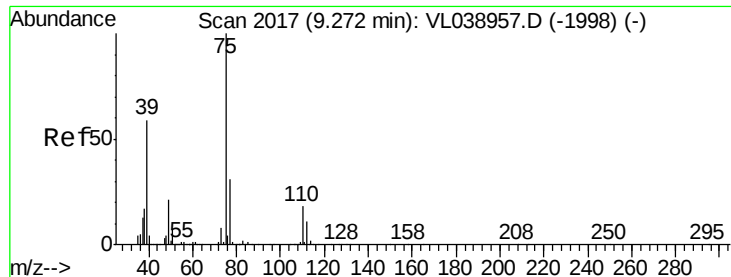
Tot Ion	69	Resp	236057
Ion Ratio	Lower	Upper	
69	100		
41	155.7	121.9	182.9
100	30.3	24.6	36.8



#44
2,2,4-Trimethylpentane
Concen: 1.996 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VL038958.D
Acq: 5 May 2022 3:24

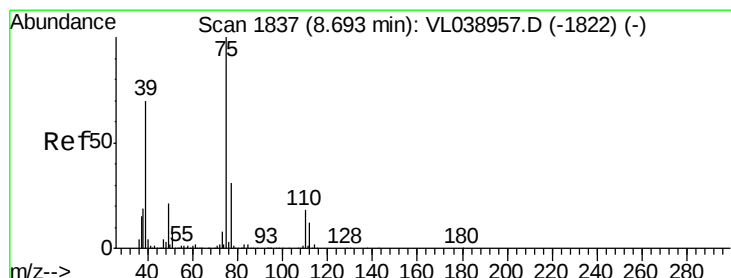
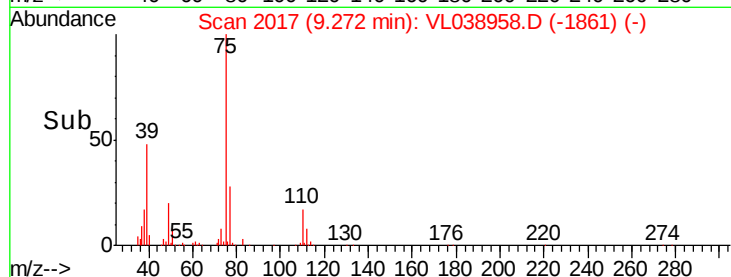
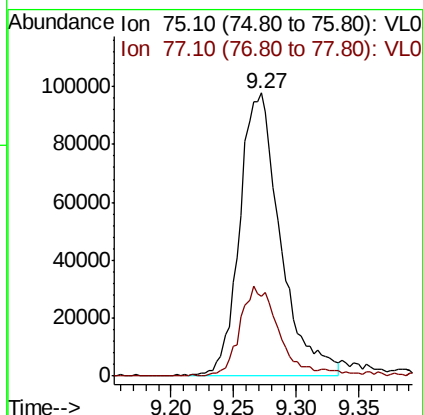
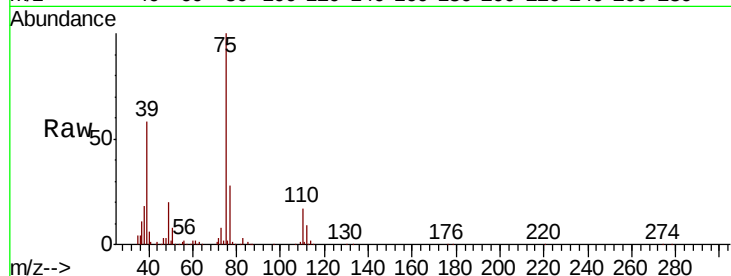
Tgt Ion	57	Resp	1069238
Ion Ratio	Lower	Upper	
57	100		
41	32.3	26.3	39.5
56	30.9	24.6	37.0





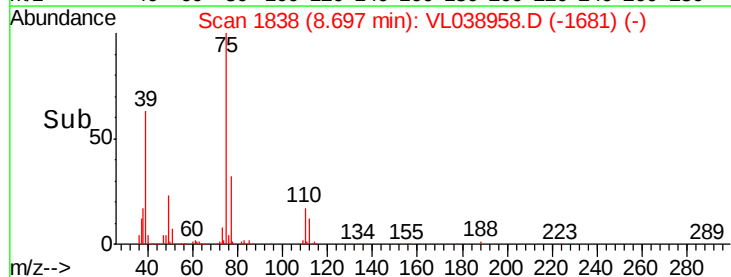
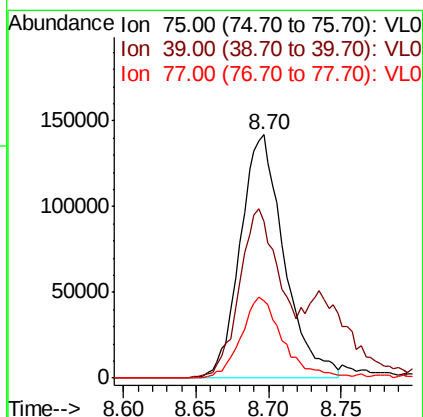
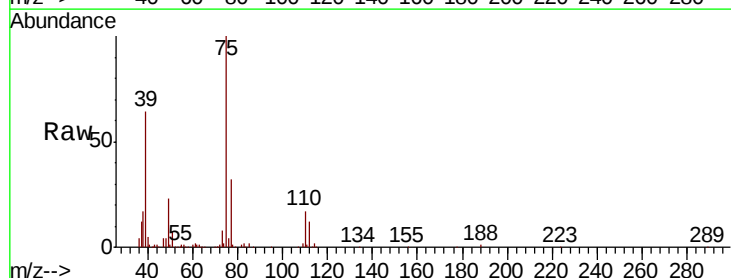
#45
t-1,3-Dichloropropene
Concen: 1.852 ppbv
RT: 9.27 Instrument :
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 3:24

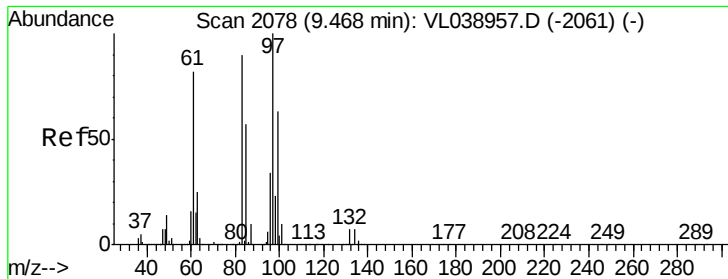
Tot Ion: 75 Resp: 219501
Ion Ratio Lower Upper
75 100
77 28.4 24.6 37.0



#46
cis-1,3-Dichloropropene
Concen: 1.987 ppbv
RT: 8.70 min Scan# 1838
Delta R.T. 0.00 min
Lab File: VL038958.D
Acq: 5 May 2022 3:24

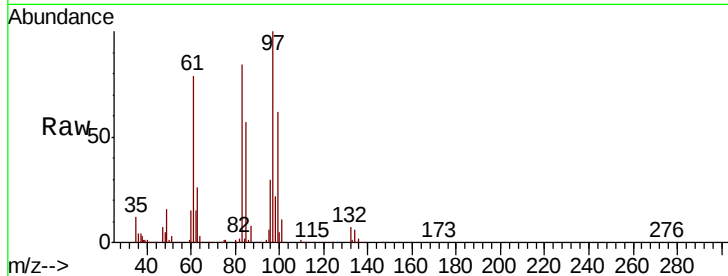
Tgt Ion: 75 Resp: 299164
Ion Ratio Lower Upper
75 100
39 63.9 55.8 83.6
77 31.5 24.8 37.2



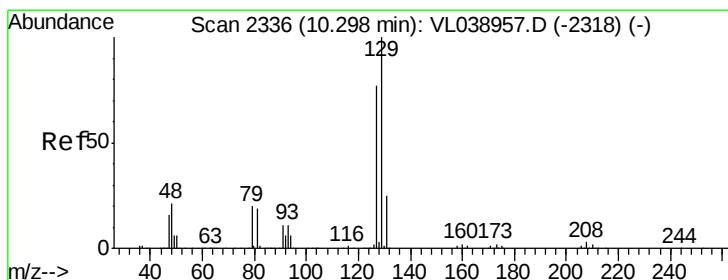
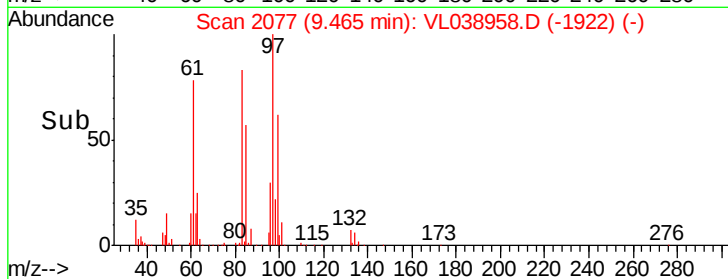
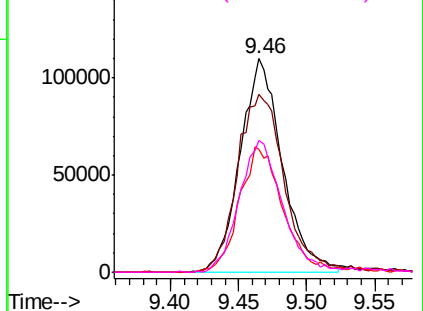


#47
 1,1,2-Trichloroethane
 Concen: 1.892 ppbv
 RT: 9.46
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 3:24

Tot Ion: 97 Resp: 236303
 Ion Ratio Lower Upper
 97 100
 83 83.6 72.0 108.0
 85 57.4 45.7 68.5
 99 62.0 50.2 75.4

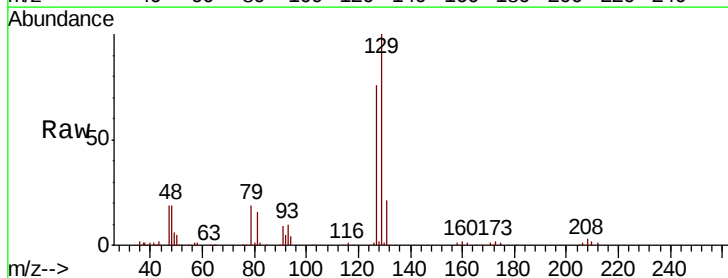


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

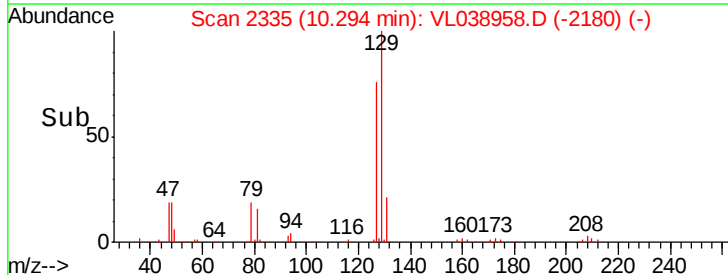
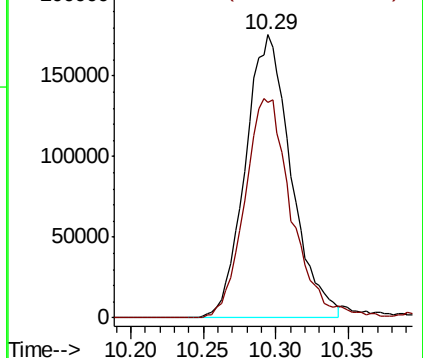


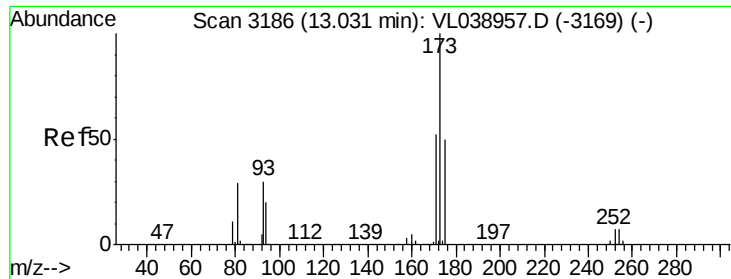
#48
 Dibromochloromethane
 Concen: 2.010 ppbv
 RT: 10.29 min Scan# 2335
 Delta R.T. -0.00 min
 Lab File: VL038958.D
 Acq: 5 May 2022 3:24

Tgt Ion: 129 Resp: 385888
 Ion Ratio Lower Upper
 129 100
 127 79.7 39.3 117.9



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





#49

Bromoform

Concen: 1.931 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 3:24

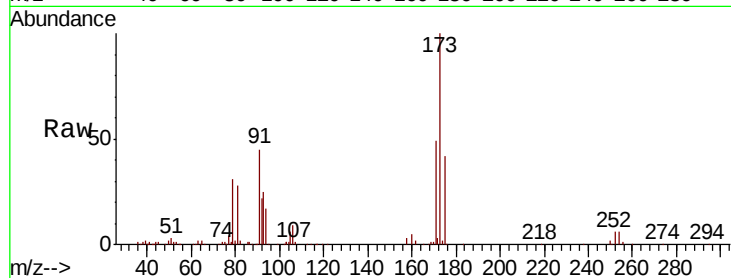
Tot Ion:173 Resp: 296704

Ion Ratio Lower Upper

173 100

175 50.0 41.0 61.6

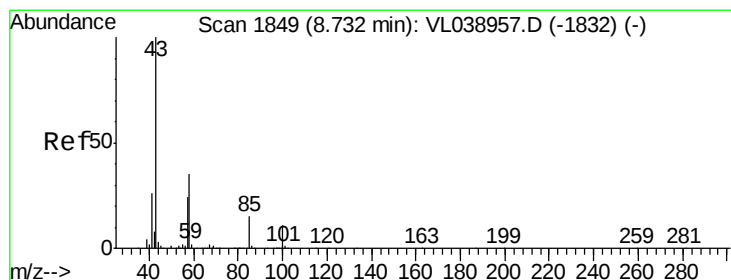
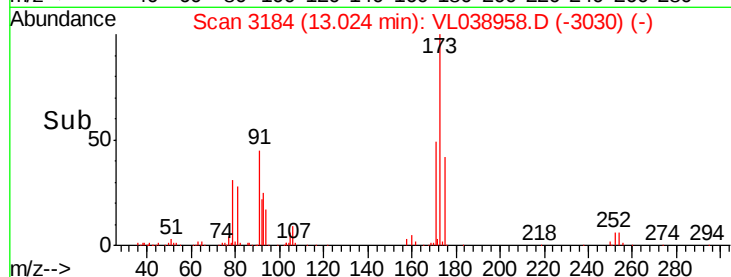
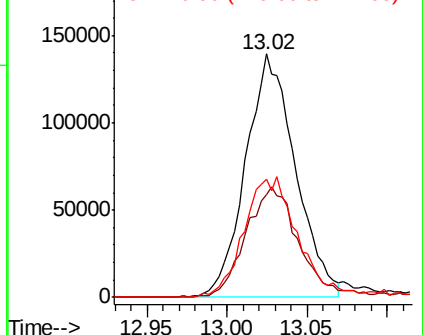
171 55.9 42.6 64.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 2.523 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.01 min

Lab File: VL038958.D

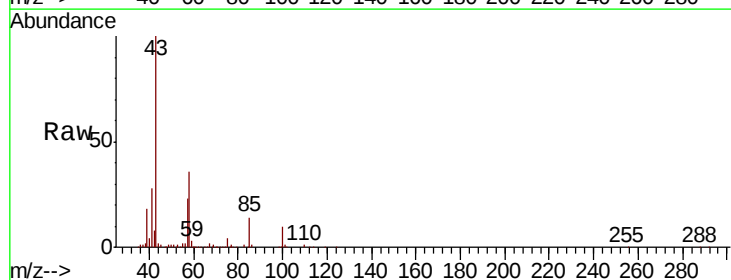
Acq: 5 May 2022 3:24

Tgt Ion: 43 Resp: 621563

Ion Ratio Lower Upper

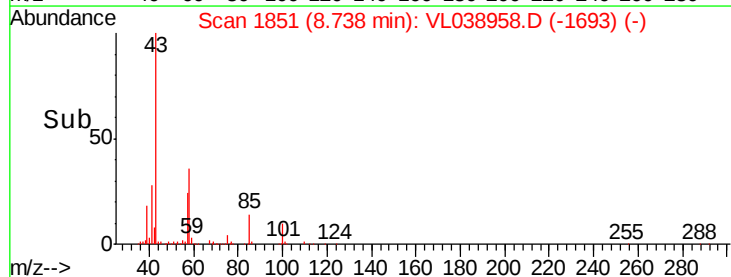
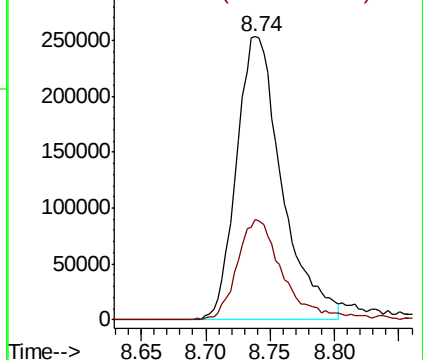
43 100

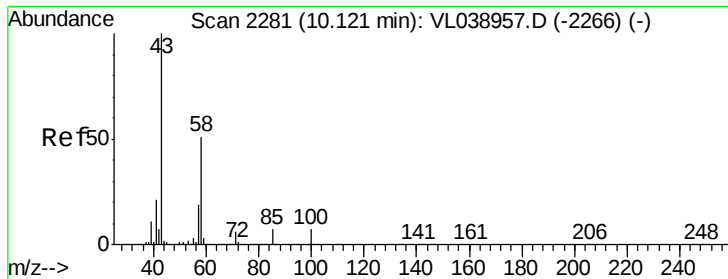
58 36.3 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

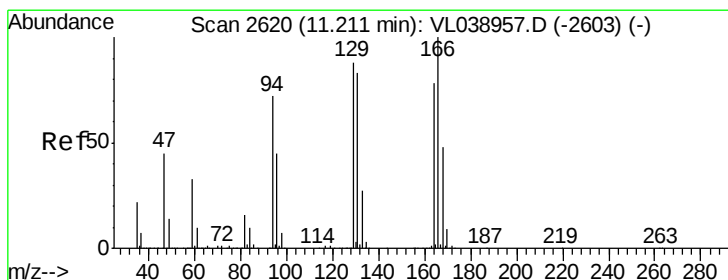
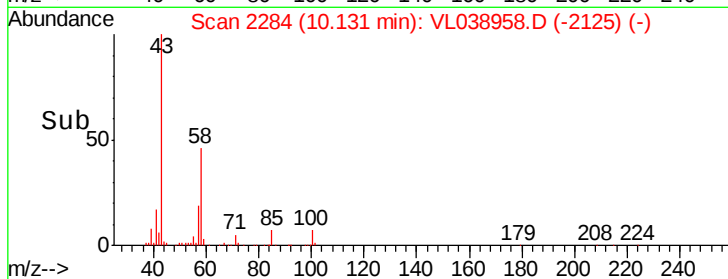
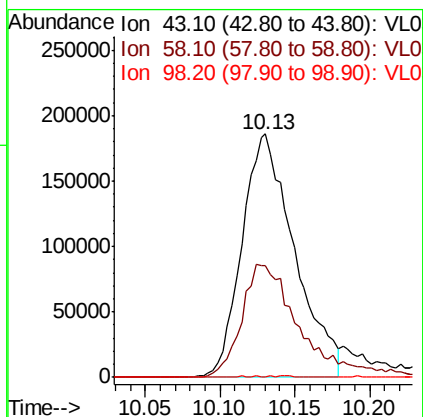
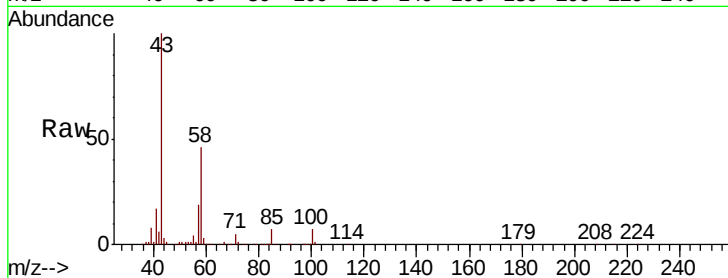
Ion 58.10 (57.80 to 58.80): VL0





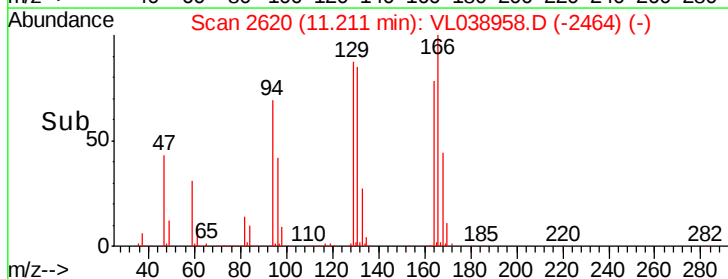
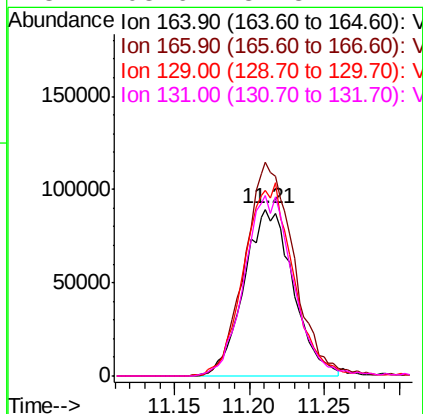
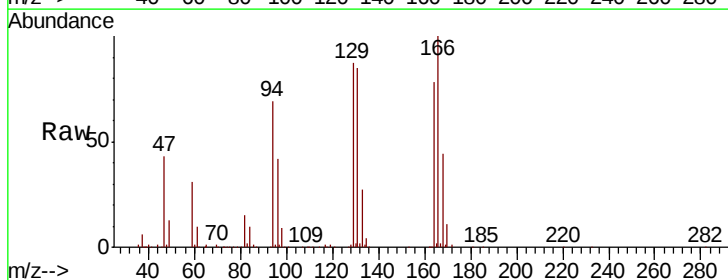
#51
2-Hexanone
Concen: 3.257 ppbv
RT: 10.13 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 3:24

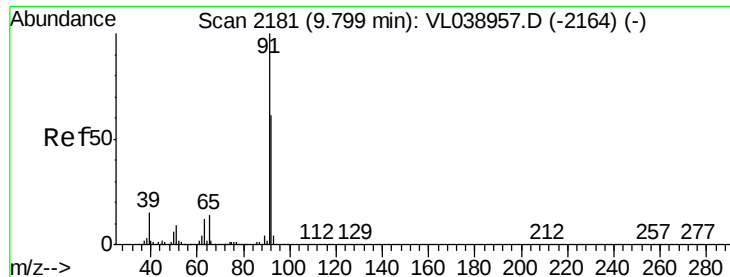
Tot Ion	Ratio	Lower	Upper
43	100		
58	53.0	39.3	58.9
98	0.5	0.2	0.2#



#52
Tetrachloroethene
Concen: 1.827 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. 0.00 min
Lab File: VL038958.D
Acq: 5 May 2022 3:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.5	153.7
129	111.3	90.1	135.1
131	108.6	84.8	127.2





#53

Toluene

Concen: 2.085 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

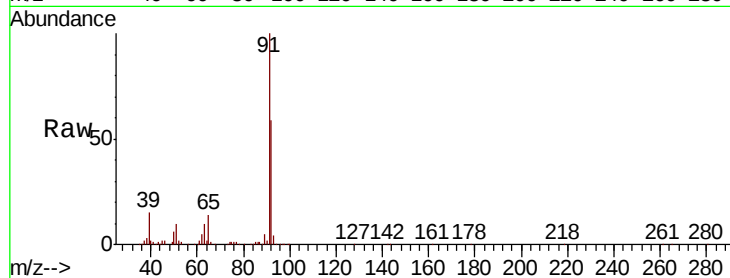
Acq: 5 May 2022 3:24

Tot Ion: 91 Resp: 674515

Ion Ratio Lower Upper

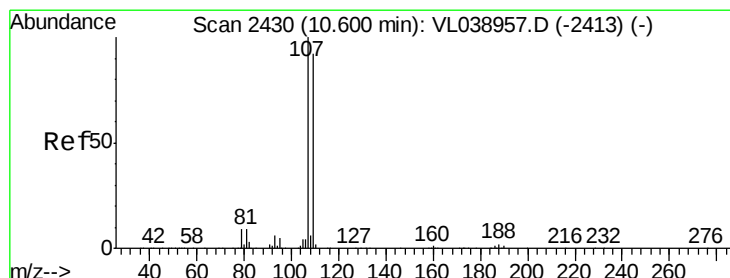
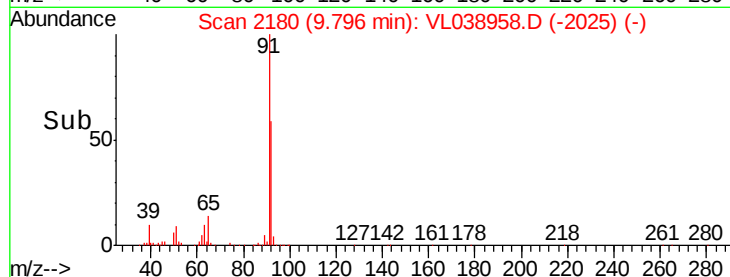
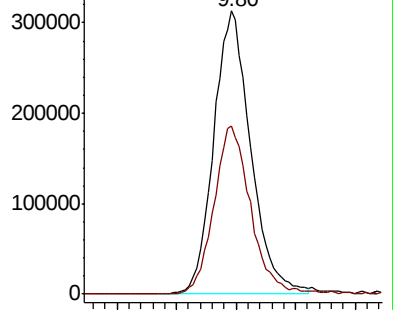
91 100

92 59.4 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 1.848 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VL038958.D

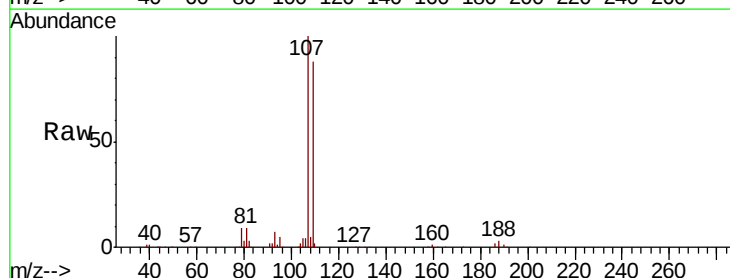
Acq: 5 May 2022 3:24

Tgt Ion: 107 Resp: 324911

Ion Ratio Lower Upper

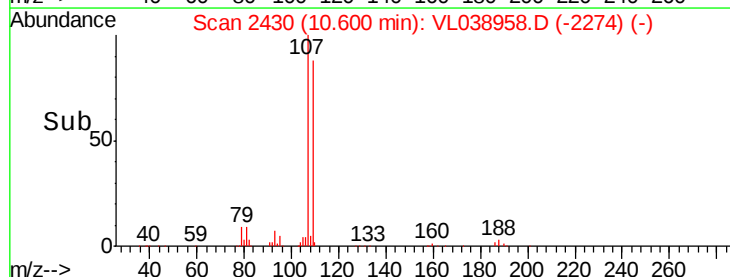
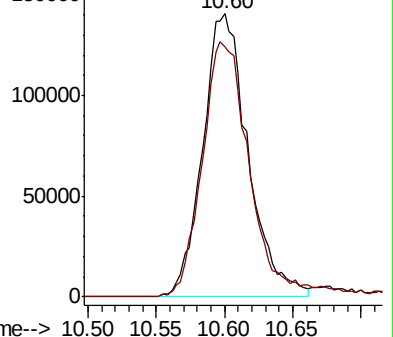
107 100

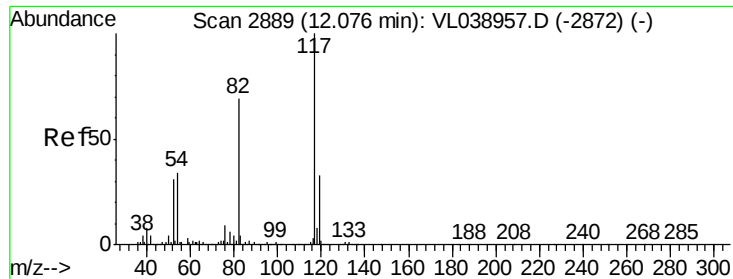
109 88.0 73.8 110.8



Abundance Ion 107.00 (106.70 to 107.70): V

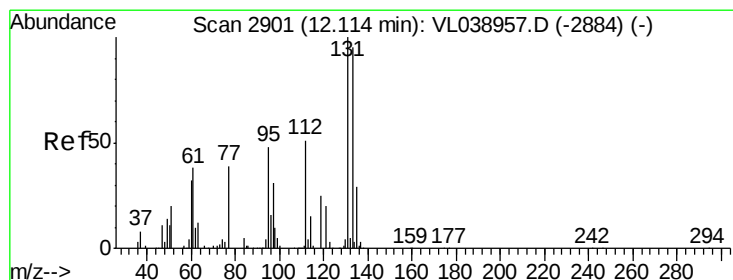
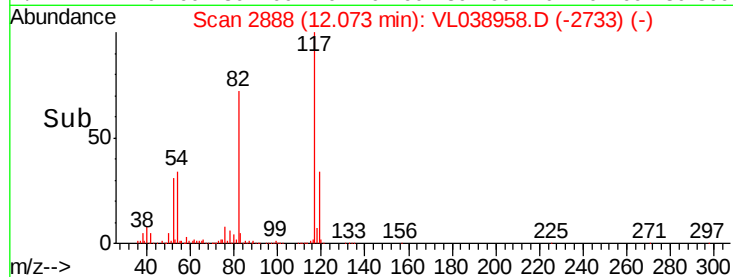
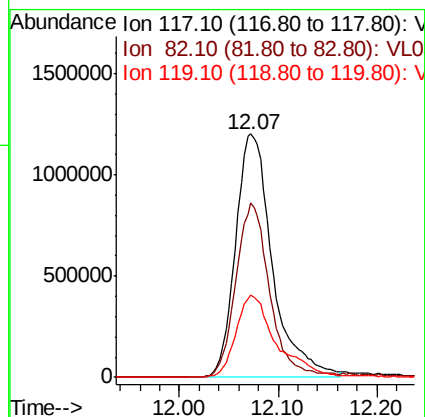
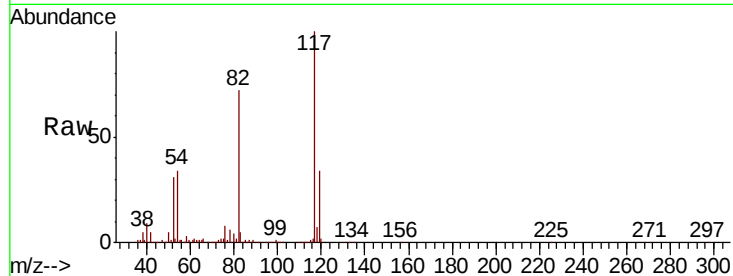
Ion 109.00 (108.70 to 109.70): V





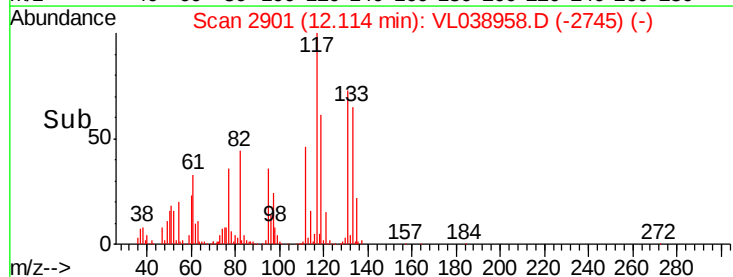
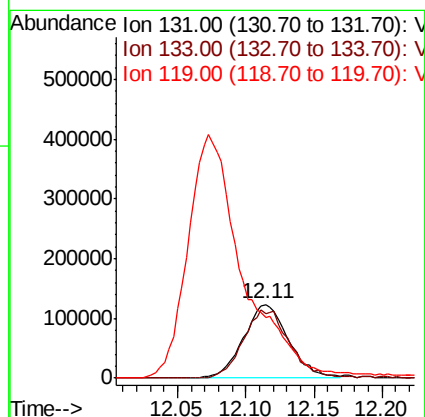
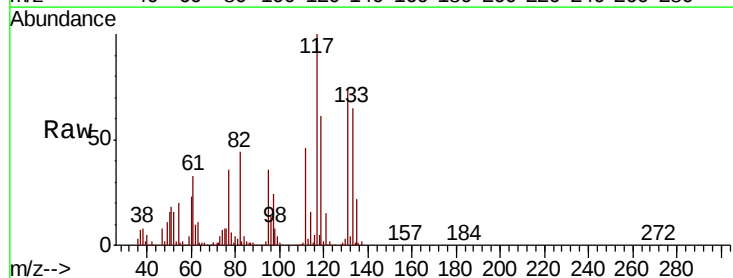
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 May 2022 3:24

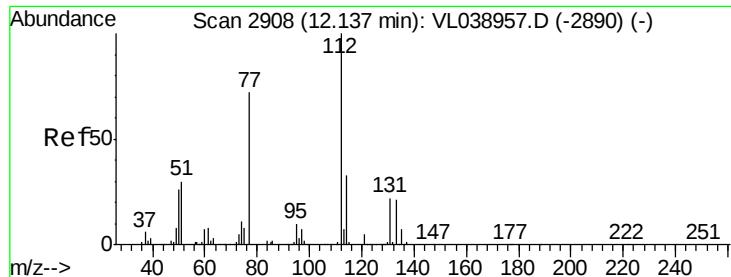
Tot Ion:	117	Resp:	3114181
Ion	Ratio	Lower	Upper
117	100		
82	68.1	57.0	85.6
119	37.3	27.2	40.8



#56
 1,1,1,2-Tetrachloroethane
 Concen: 2.016 ppbv
 RT: 12.11 min Scan# 2901
 Delta R.T.: 0.00 min
 Lab File: VL038958.D
 Acq: 5 May 2022 3:24

Tgt Ion:	131	Resp:	282827
Ion	Ratio	Lower	Upper
131	100		
133	94.5	76.9	115.3
119	408.4	47.4	71.0#





#57

Chlorobenzene

Concen: 1.815 ppbv

RT: 12.13

Delta R.T. MSVOA_L

Lab File:

Acq: 5 May 2022 3:24

Instrument :

ClientSampleId :

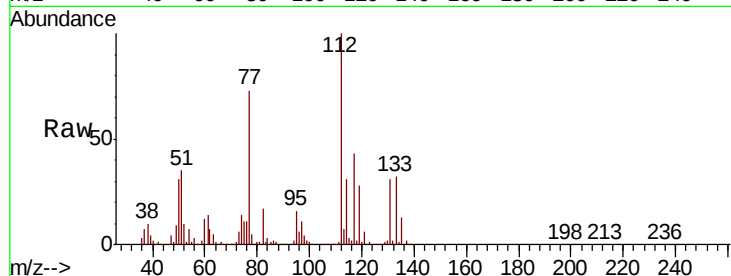
Tot Ion:112 Resp: 472848

Ion Ratio Lower Upper

112 100

77 70.1 57.7 86.5

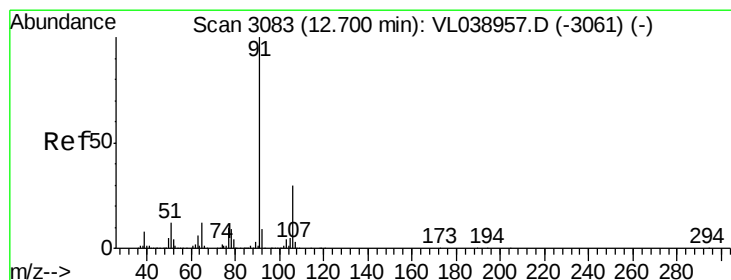
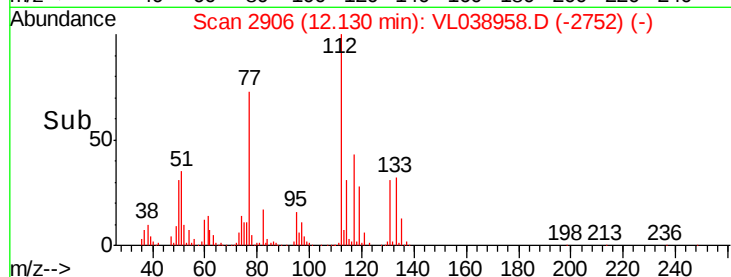
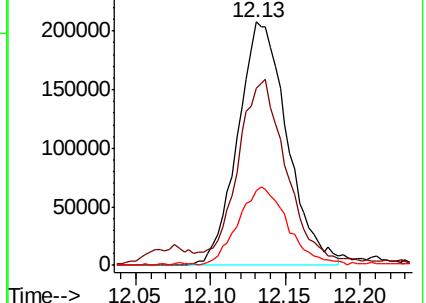
114 30.2 30.1 36.7



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: 2.071 ppbv

RT: 12.70 min Scan# 3082

Delta R.T. -0.00 min

Lab File: VL038958.D

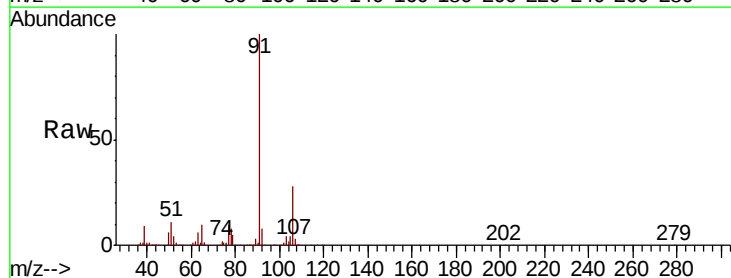
Acq: 5 May 2022 3:24

Tgt Ion: 91 Resp: 927126

Ion Ratio Lower Upper

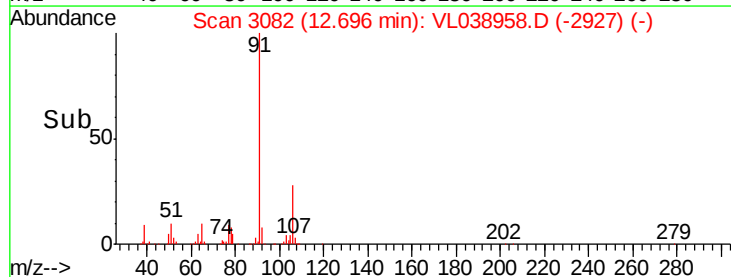
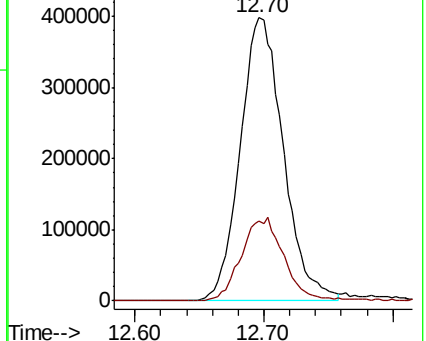
91 100

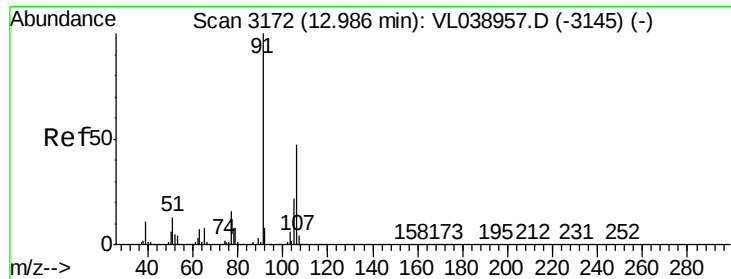
106 28.1 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

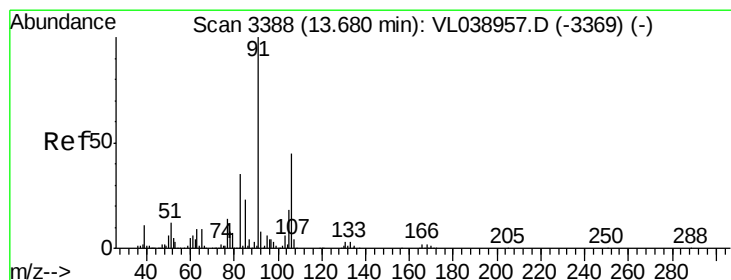
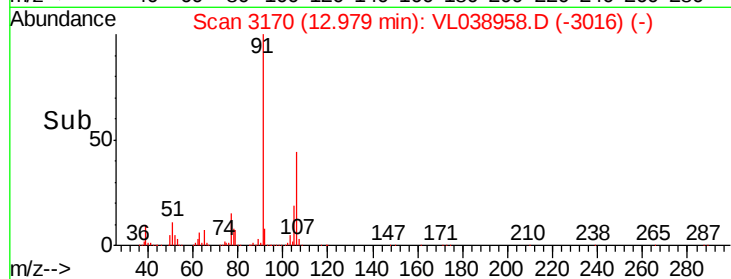
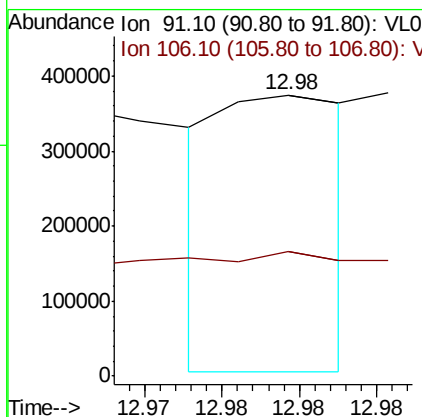
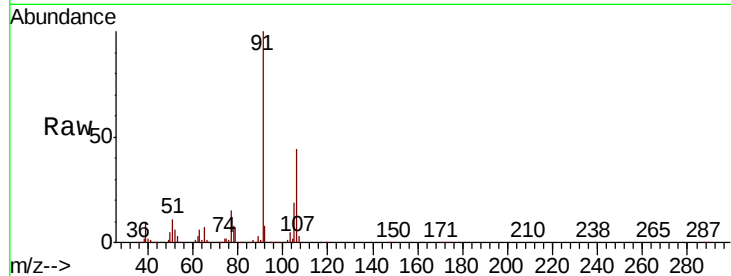
Ion 106.10 (105.80 to 106.80): V





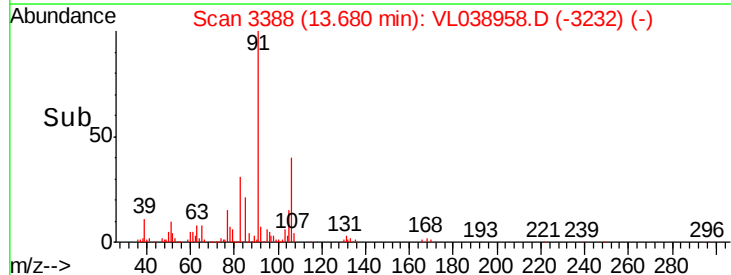
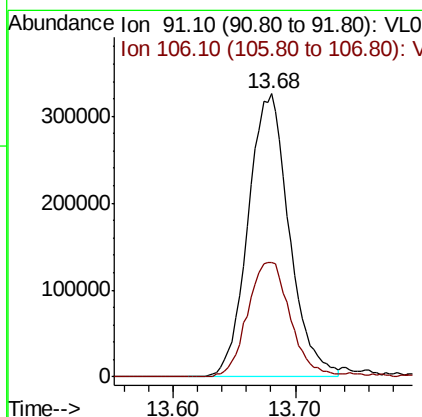
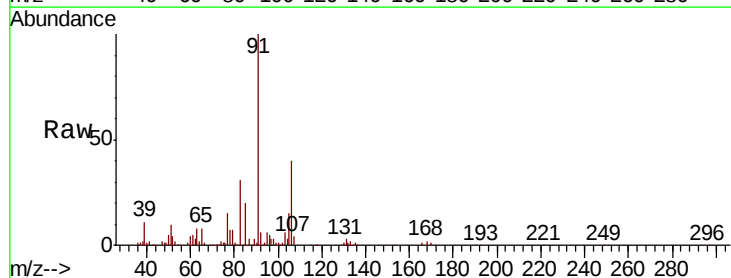
#59
m/p-Xylene
Concen: 0.535 ppbv
RT: 12.98 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 3:24

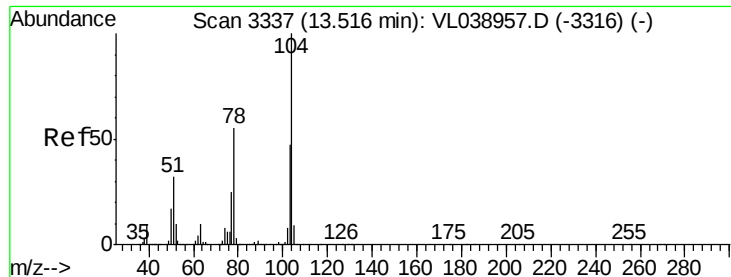
Tot Ion: 91 Resp: 209401
Ion Ratio Lower Upper
91 100
106 315.4 34.6 52.0#



#60
o-Xylene
Concen: 2.006 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. 0.00 min
Lab File: VL038958.D
Acq: 5 May 2022 3:24

Tgt Ion: 91 Resp: 758615
Ion Ratio Lower Upper
91 100
106 43.2 22.2 66.6





#61

Stvrene

Concen: 2.141 ppbv

RT: 13.51

Delta R.T. MSVOA_L

Lab File:

Acq: 5 May 2022 3:24

Instrument :

ClientSampleId :

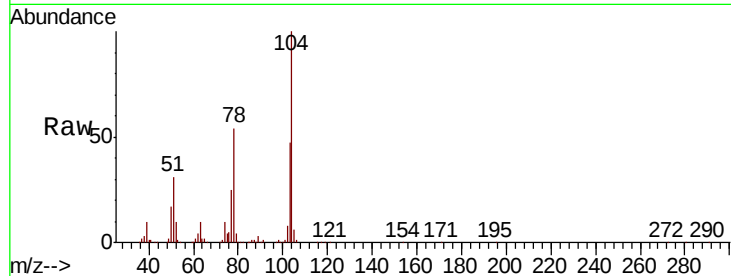
Tot Ion:104 Resp: 403466

Ion Ratio Lower Upper

104 100

78 56.8 46.4 69.6

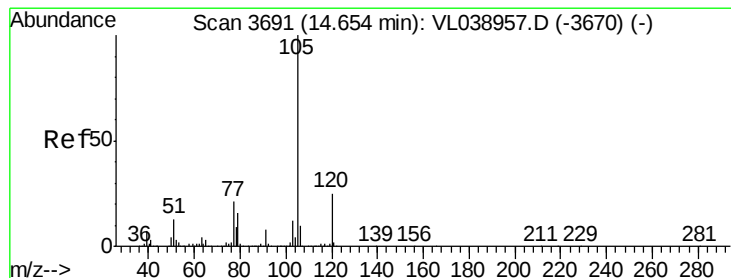
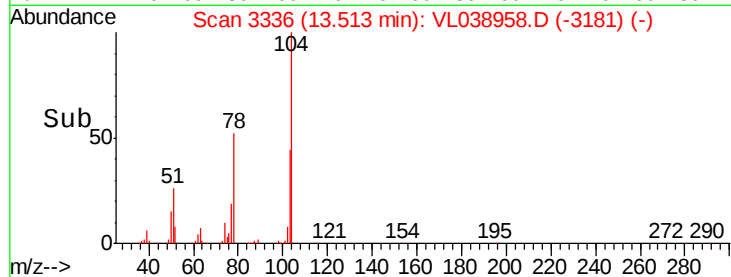
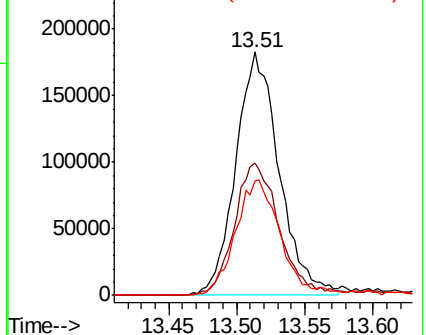
103 50.5 39.3 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 2.136 ppbv

RT: 14.65 min Scan# 3691

Delta R.T. 0.00 min

Lab File: VL038958.D

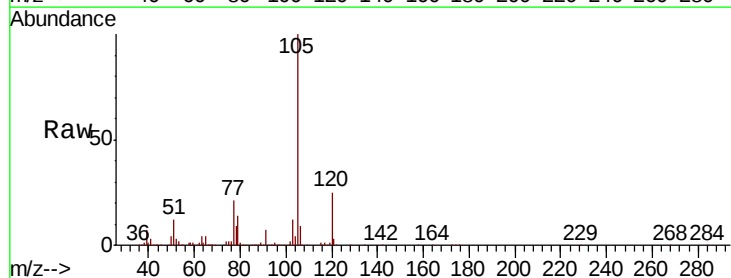
Acq: 5 May 2022 3:24

Tgt Ion:105 Resp: 1100053

Ion Ratio Lower Upper

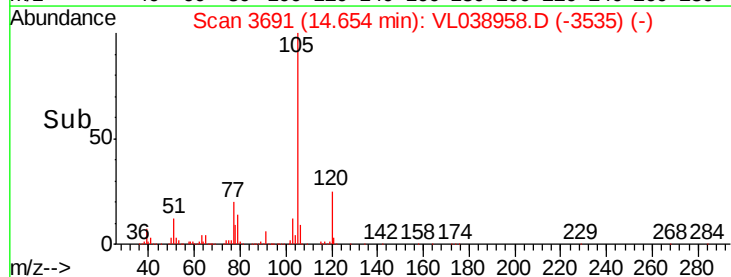
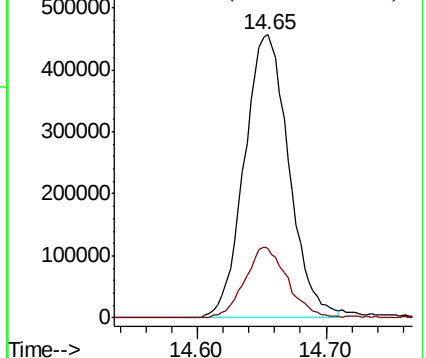
105 100

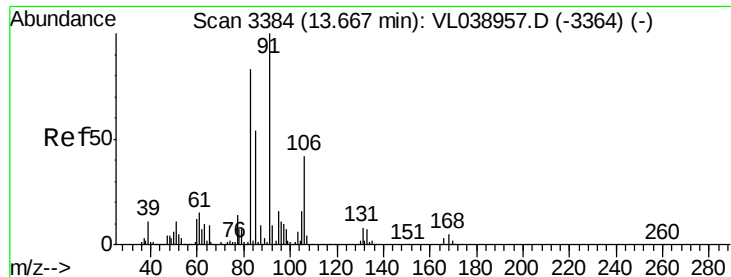
120 24.6 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 1.534 ppbv

RT: 13.66 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 3:24

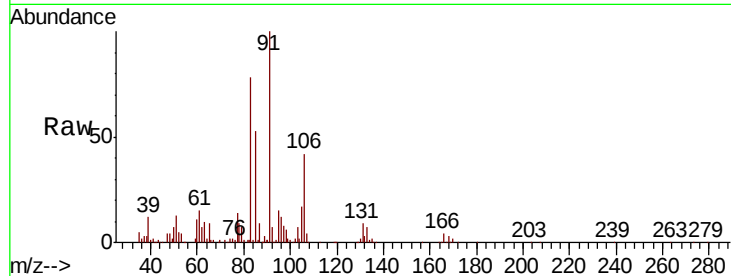
Tot Ion: 83 Resp: 434839

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.7

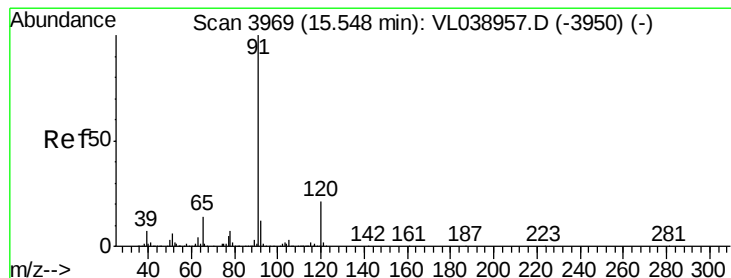
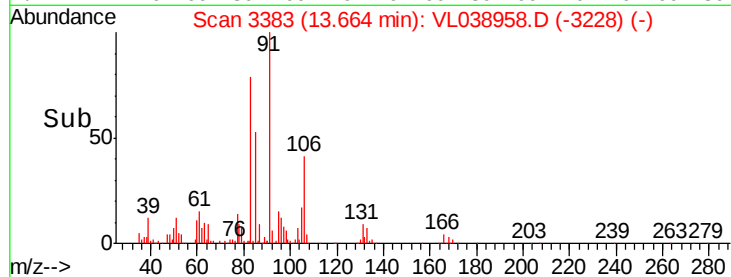
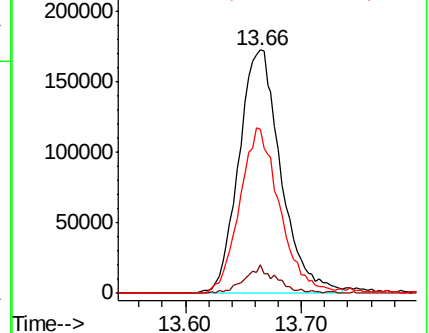
85 66.0 32.8 98.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 2.163 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. -0.00 min

Lab File: VL038958.D

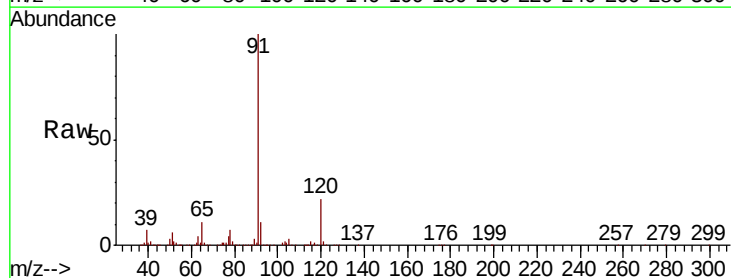
Acq: 5 May 2022 3:24

Tgt Ion: 120 Resp: 271772

Ion Ratio Lower Upper

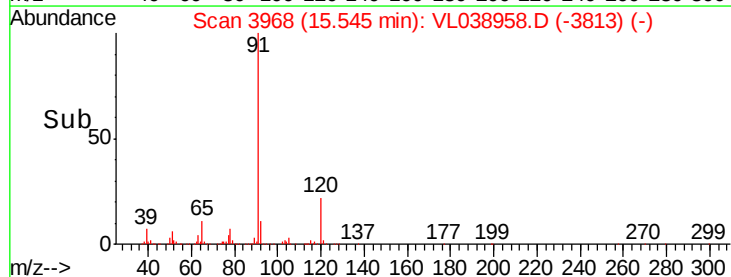
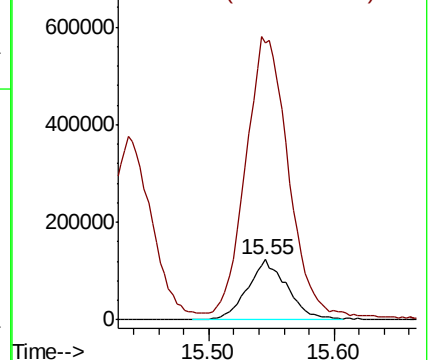
120 100

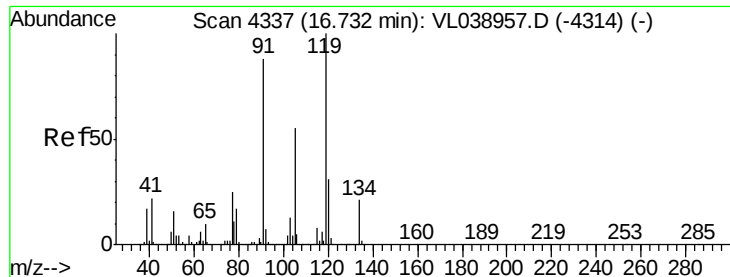
91 520.2 400.6 601.0



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 2.172 ppbv

RT: 16.73

Delta R.T. MSVOA_L

Lab File:

Acq: 5 May 2022 3:24

ClientSampleId :

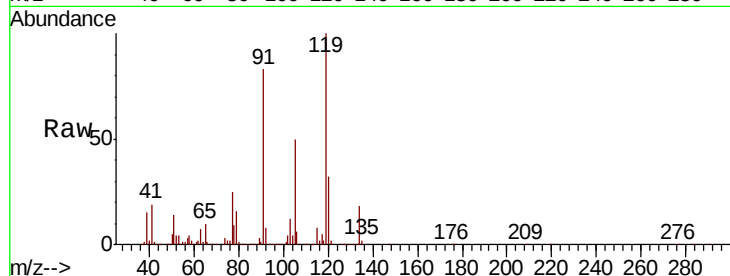
Tot Ion: 119 Resp: 971326

Ion Ratio Lower Upper

119 100

91 89.6 69.4 104.2

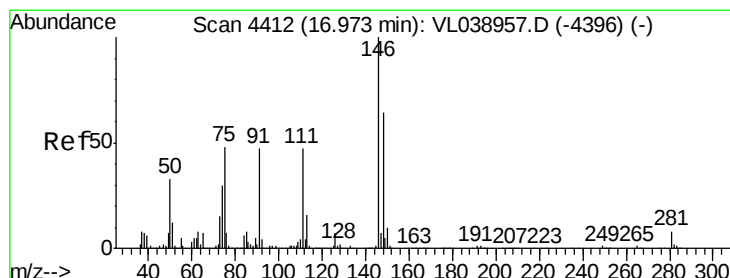
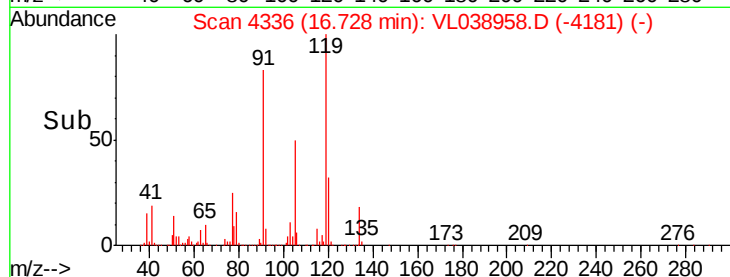
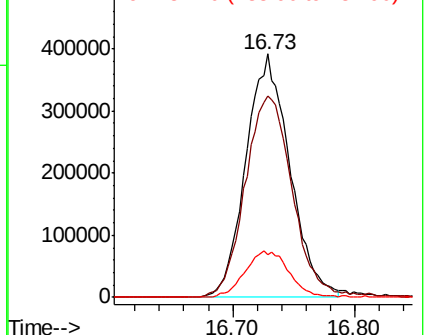
134 19.4 15.8 23.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.837 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. 0.00 min

Lab File: VL038958.D

Acq: 5 May 2022 3:24

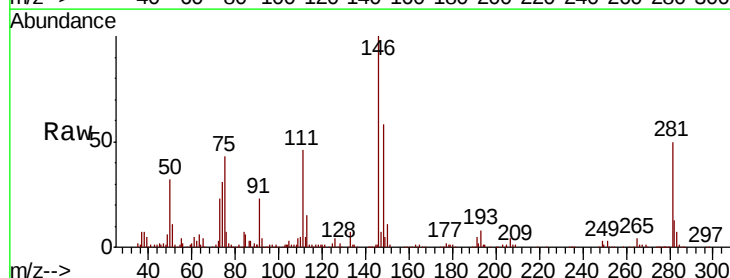
Tgt Ion: 91 Resp: 45795

Ion Ratio Lower Upper

91 100

126 34.3 11.8 17.6#

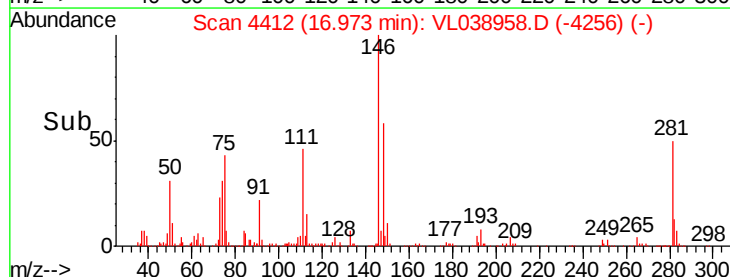
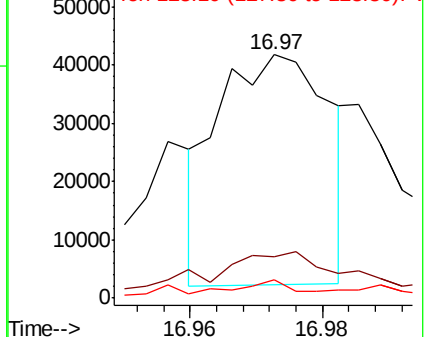
128 12.7 4.2 6.2#

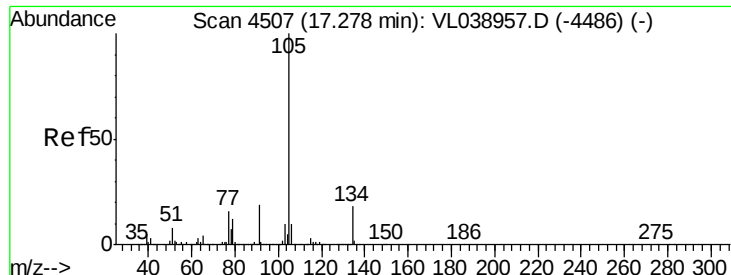


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 2.217 ppbv

RT: 17.28 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

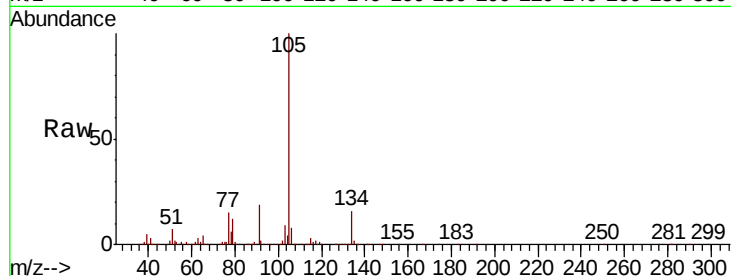
Acq: 5 May 2022 3:24

Tot Ion:105 Resp: 1407345

Ion Ratio Lower Upper

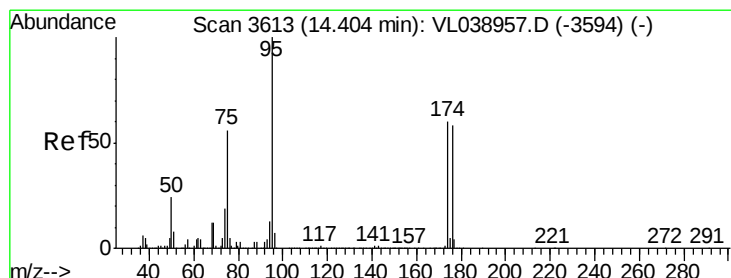
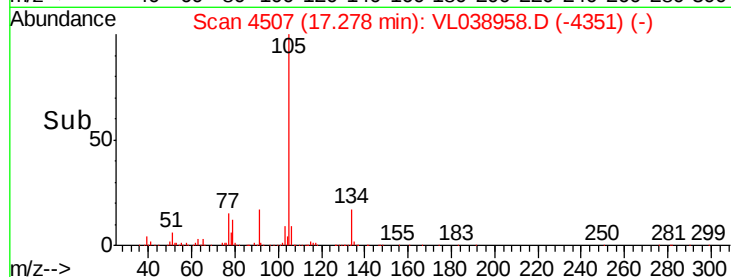
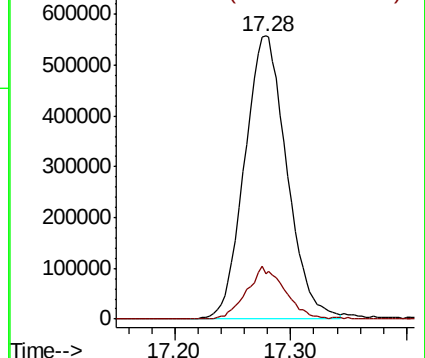
105 100

134 17.1 14.2 21.4



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: 9.628 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.00 min

Lab File: VL038958.D

Acq: 5 May 2022 3:24

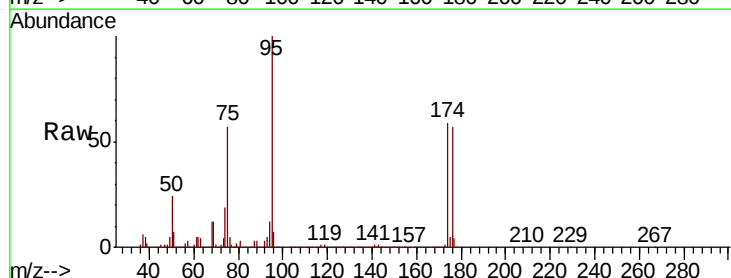
Tgt Ion: 95 Resp: 2371658

Ion Ratio Lower Upper

95 100

174 64.9 50.8 76.2

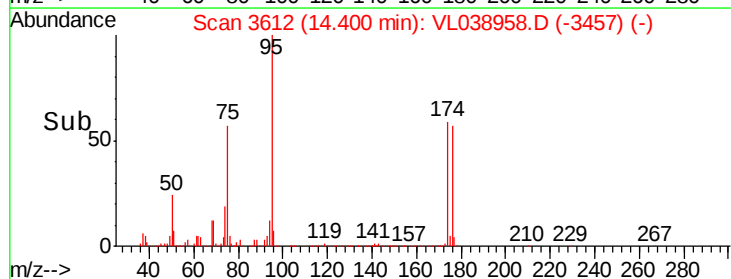
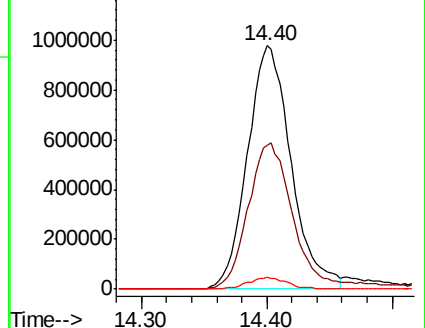
175 4.6 3.8 5.6

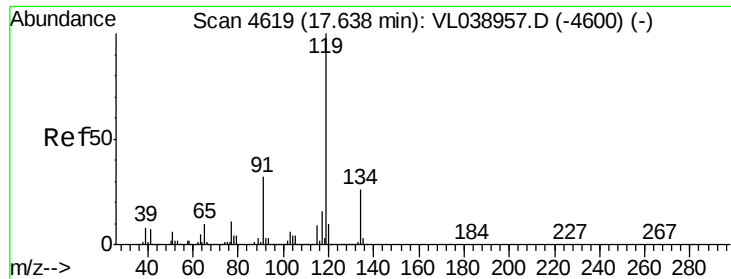


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

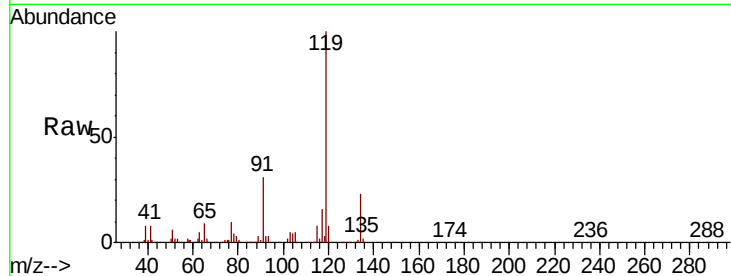
Ion 175.00 (174.70 to 175.70): V



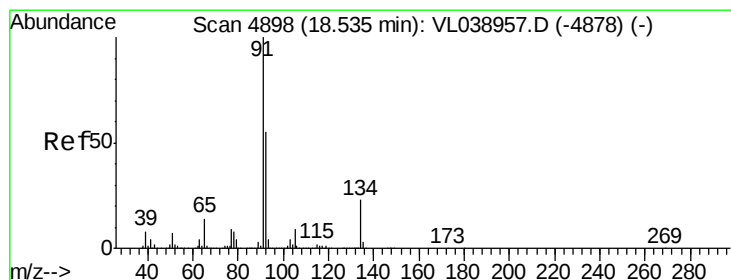
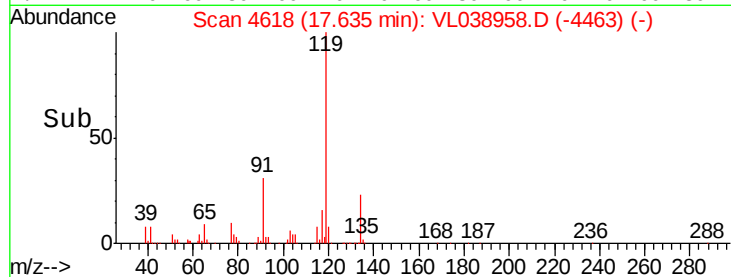
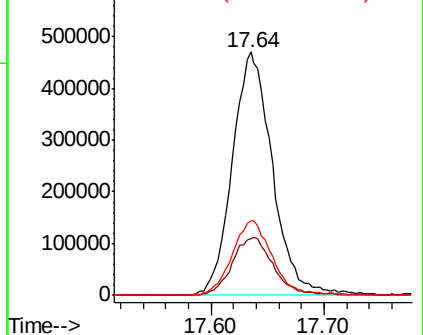


#69
 p-Isopropyltoluene
 Concen: 2.321 ppbv
 RT: 17.64 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 3:24

Tot Ion:	119	Resp:	1151801
Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.0	30.0
91	30.6	24.8	37.2

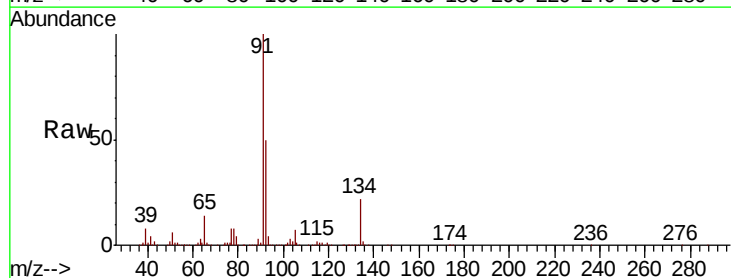


Abundance Ion 119.10 (118.80 to 119.80): VL0
 Ion 134.20 (133.90 to 134.90): VL0
 Ion 91.10 (90.80 to 91.80): VL0

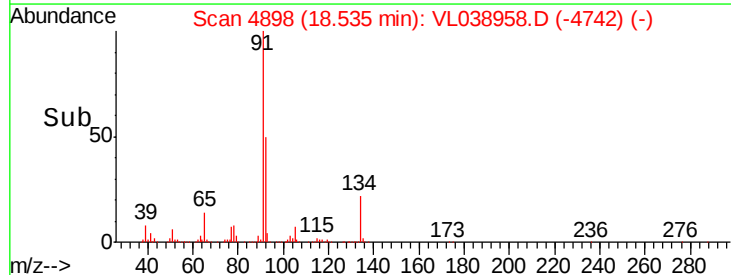
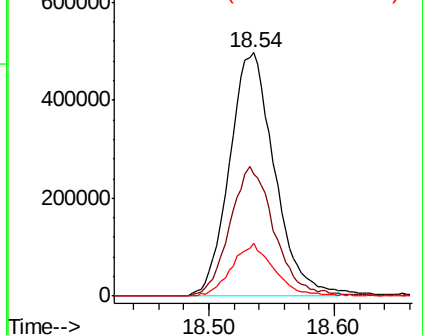


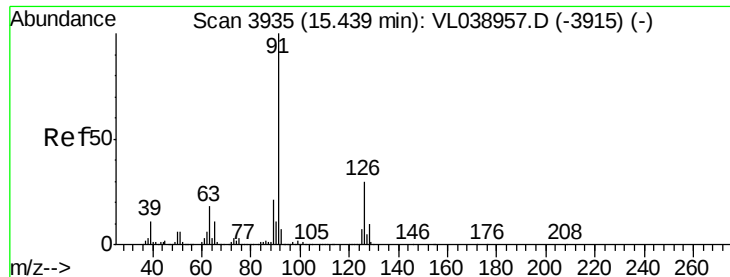
#70
 n-Butylbenzene
 Concen: 2.362 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. 0.00 min
 Lab File: VL038958.D
 Acq: 5 May 2022 3:24

Tgt Ion:	91	Resp:	1229017
Ion	Ratio	Lower	Upper
91	100		
92	53.4	43.1	64.7
134	20.6	17.0	25.4



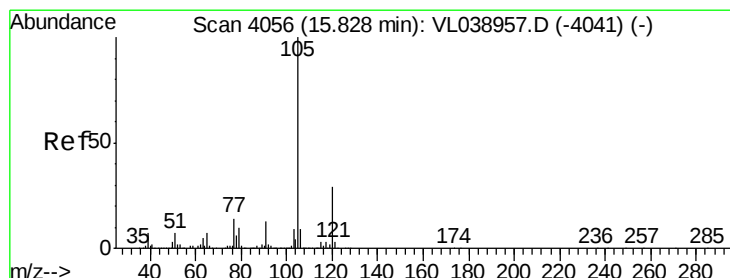
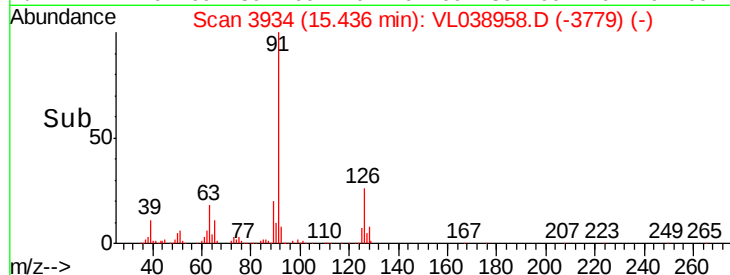
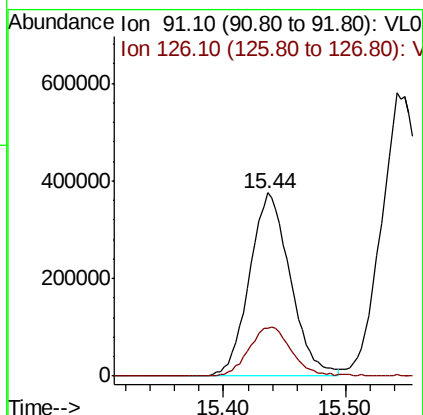
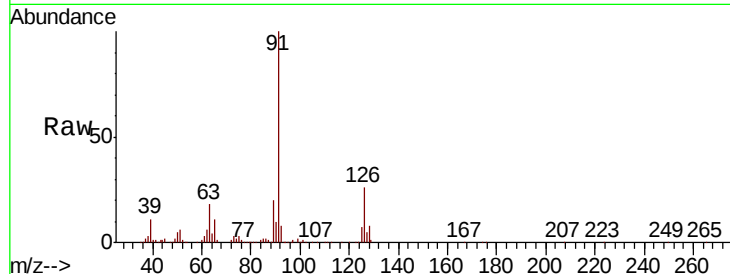
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): VL0





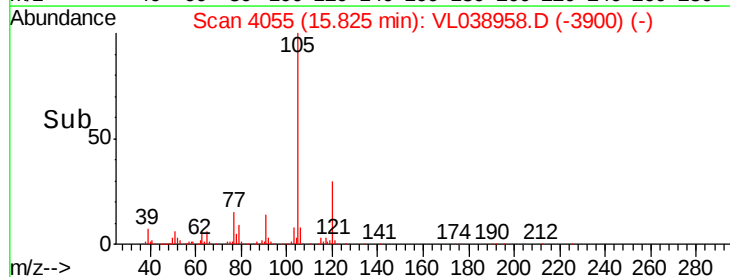
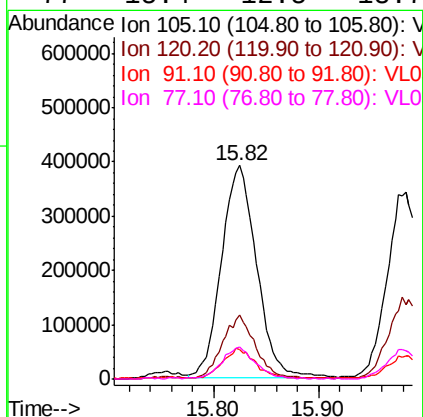
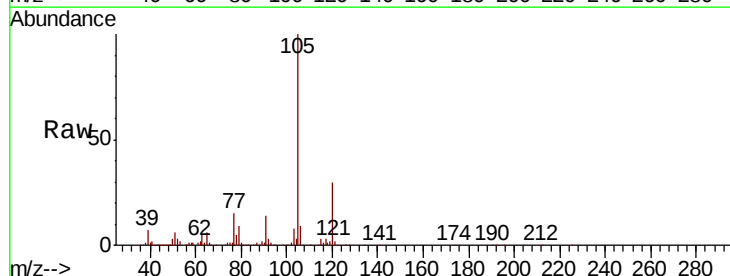
#71
 2-Chlorotoluene
 Concen: 2.237 ppbv
 RT: 15.44
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 May 2022 3:24

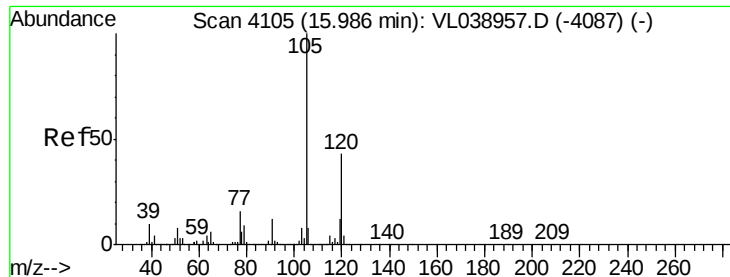
Tot Ion: 91 Resp: 866922
 Ion Ratio Lower Upper
 91 100
 126 28.2 11.9 47.5



#72
 4-Ethyltoluene
 Concen: 2.153 ppbv
 RT: 15.82 min Scan# 4055
 Delta R.T. -0.00 min
 Lab File: VL038958.D
 Acq: 5 May 2022 3:24

Tgt Ion:105 Resp: 894310
 Ion Ratio Lower Upper
 105 100
 120 27.8 23.4 35.0
 91 13.3 10.6 16.0
 77 15.4 12.5 18.7





#73

1,3,5-Trimethylbenzene

Concen: 2.054 ppbv

RT: 15.98 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

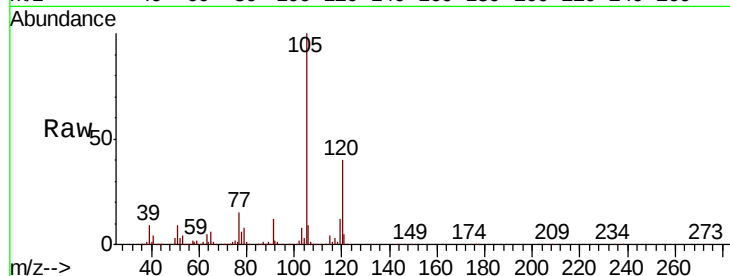
Acq: 5 May 2022 3:24

Tot Ion:105 Resp: 795172

Ion Ratio Lower Upper

105 100

120 39.8 34.4 51.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.98

400000

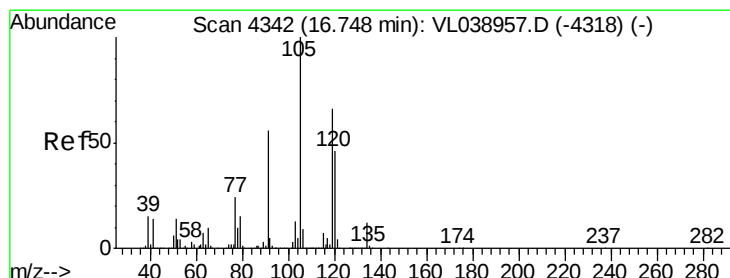
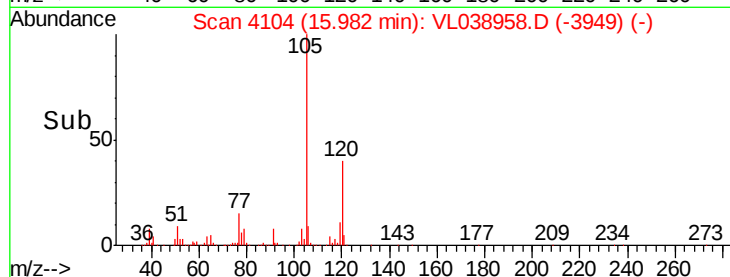
300000

200000

100000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 2.050 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.01 min

Lab File: VL038958.D

Acq: 5 May 2022 3:24

Tgt Ion:105 Resp: 856728

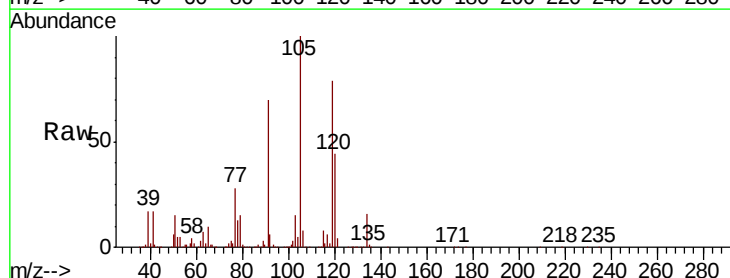
Ion Ratio Lower Upper

105 100

120 44.1 36.9 55.3

91 70.0 45.0 67.4#

77 28.1 19.2 28.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

500000

400000

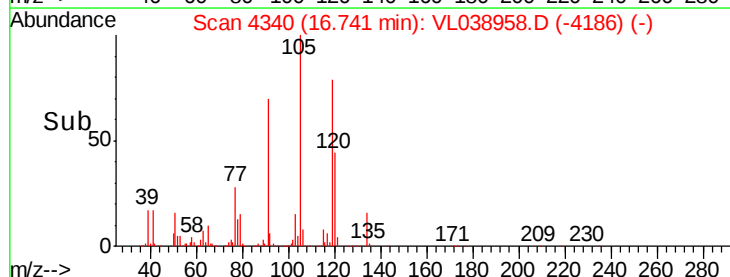
300000

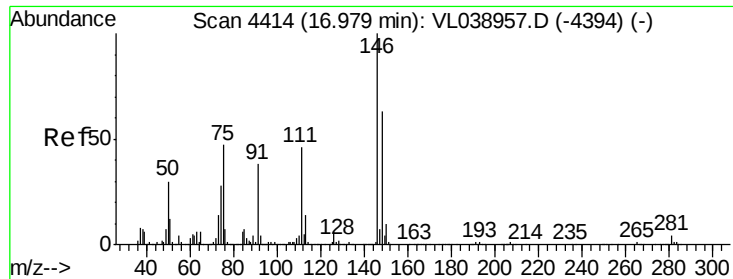
200000

100000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 1.162 ppbv

RT: 16.98

Delta R.T. MSVOA_L

Lab File:

Acq: 5 May 2022 3:24

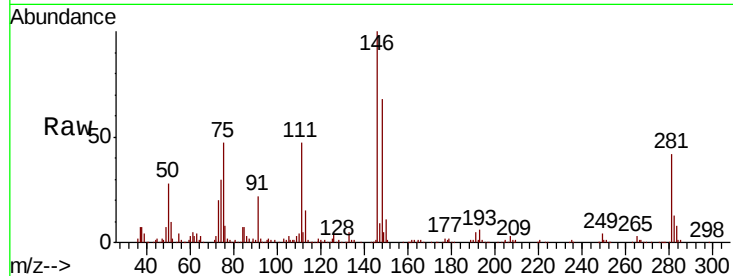
Tot Ion:146 Resp: 272023

Ion Ratio Lower Upper

146 100

111 0.0 24.1 72.2#

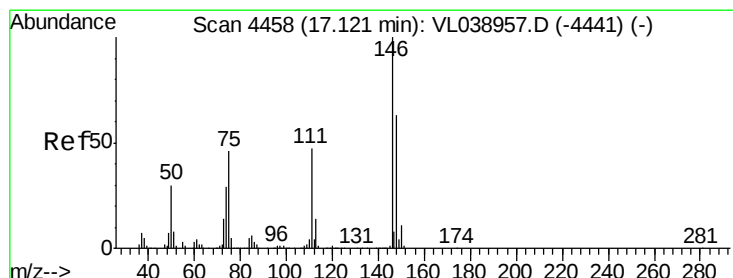
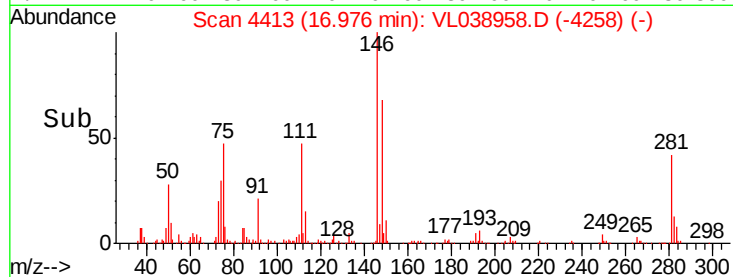
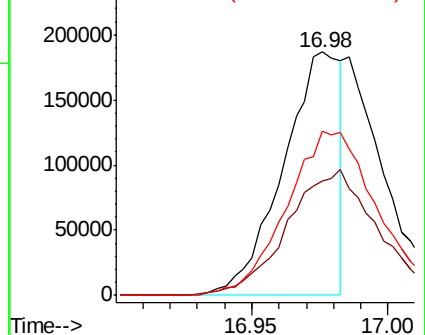
148 111.8 32.4 97.2#



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: 1.952 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. 0.00 min

Lab File: VL038958.D

Acq: 5 May 2022 3:24

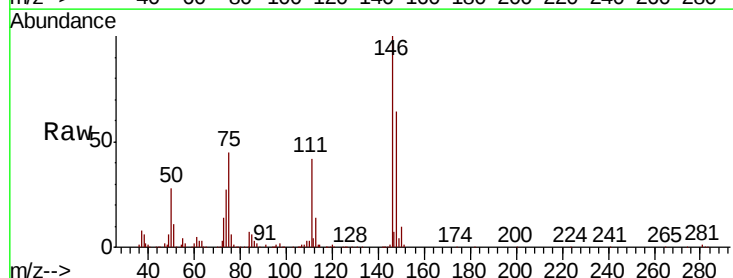
Tgt Ion:146 Resp: 455217

Ion Ratio Lower Upper

146 100

111 49.6 23.6 71.0

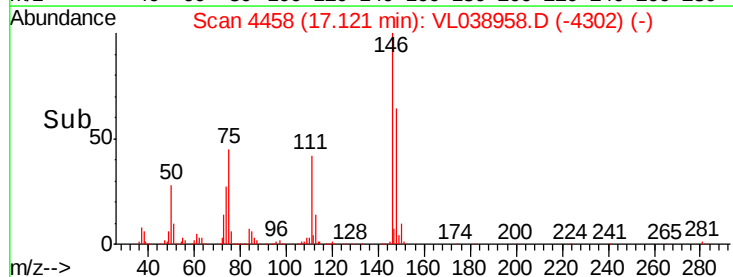
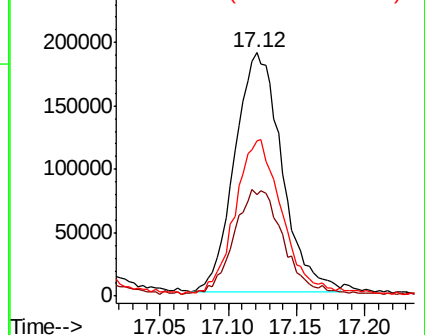
148 66.7 32.2 96.6

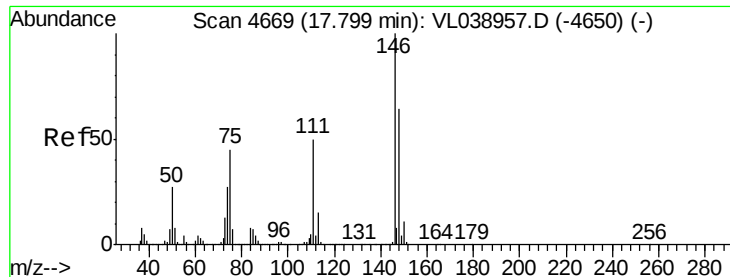


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

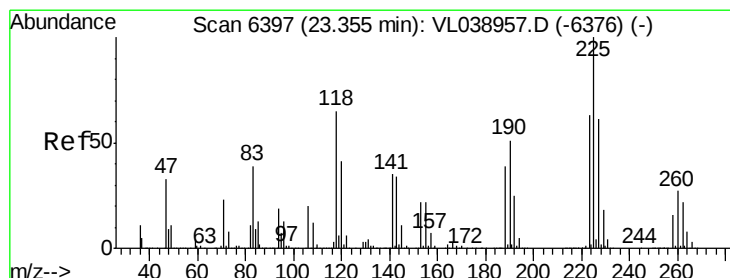
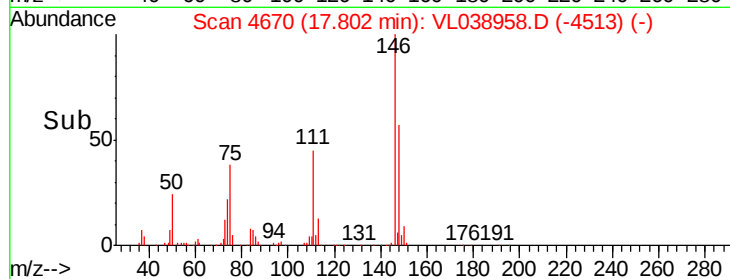
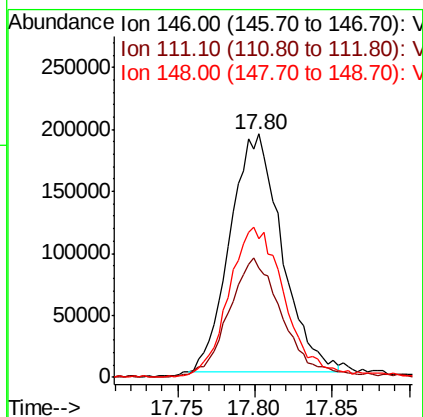
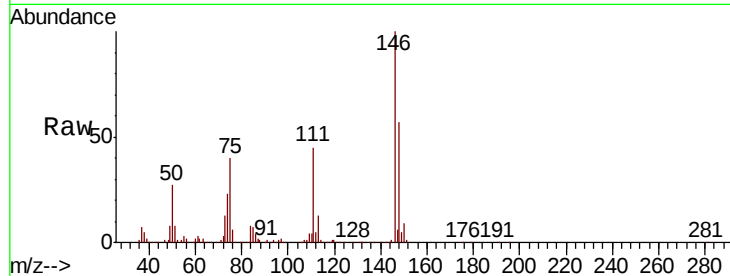
Ion 148.00 (147.70 to 148.70): V





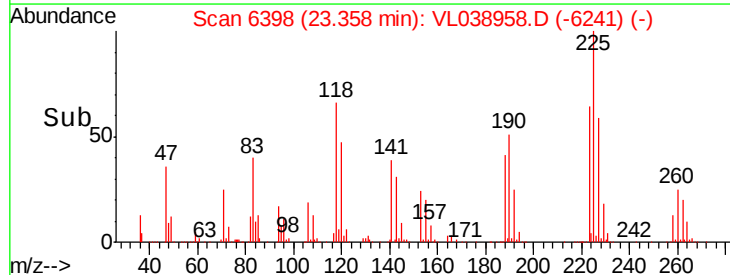
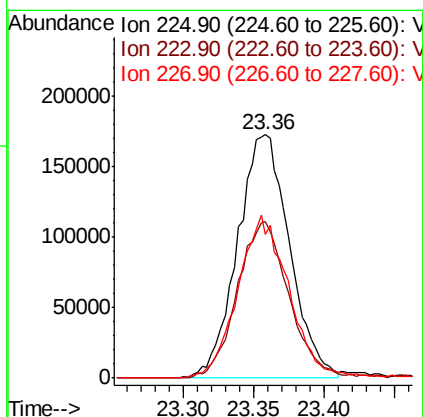
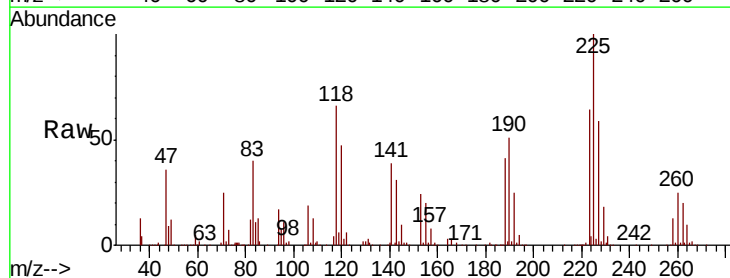
#77
 1,2-Dichlorobenzene
 Concen: 2.010 ppbv
 RT: 17.80 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 May 2022 3:24

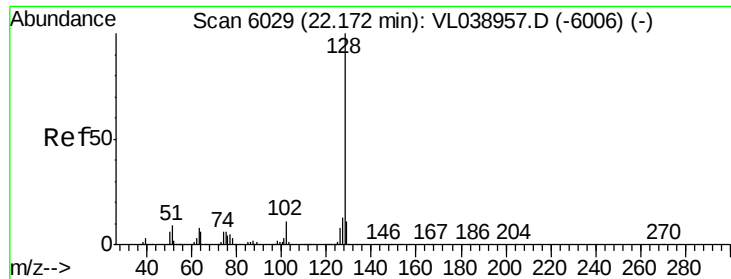
Tot Ion:	146	Resp:	445379
Ion	Ratio	Lower	Upper
146	100		
111	53.5	25.3	75.9
148	69.5	32.3	96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 2.209 ppbv
 RT: 23.36 min Scan# 6398
 Delta R.T.: 0.00 min
 Lab File: VL038958.D
 Acq: 5 May 2022 3:24

Tgt Ion:	225	Resp:	440595
Ion	Ratio	Lower	Upper
225	100		
223	64.5	51.4	77.0
227	66.4	51.4	77.0





#79

Naphthalene

Concen: 2.930 ppbv

RT: 22.18

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 3:24

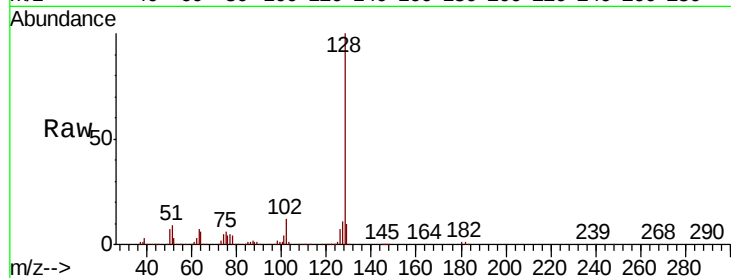
Tot Ion:128 Resp: 754934

Ion Ratio Lower Upper

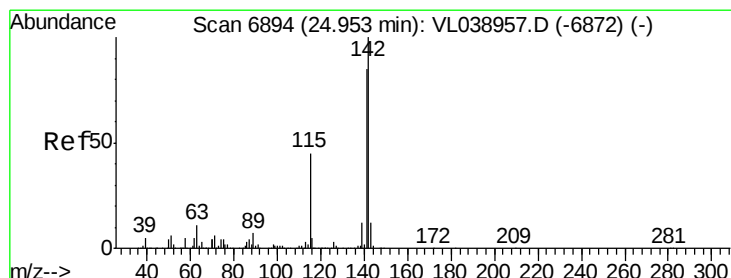
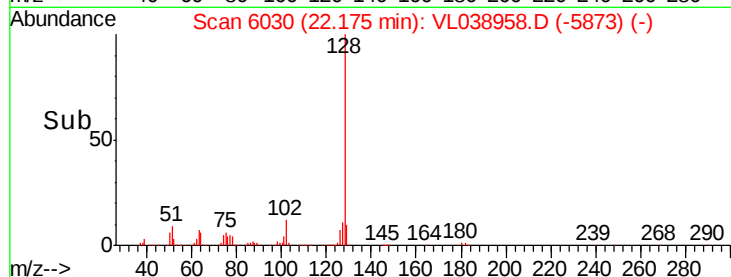
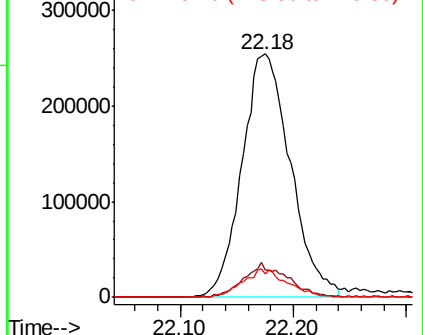
128 100

127 11.5 10.2 15.2

129 9.7 8.9 13.3



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



#80

Naphthalene, 2-methyl-

Concen: 3.811 ppbv

RT: 24.96 min Scan# 6895

Delta R.T. 0.00 min

Lab File: VL038958.D

Acq: 5 May 2022 3:24

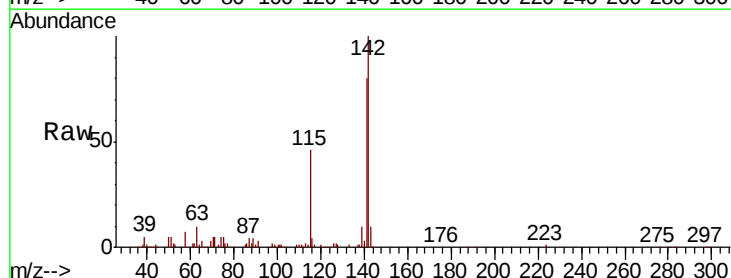
Tgt Ion:142 Resp: 214295

Ion Ratio Lower Upper

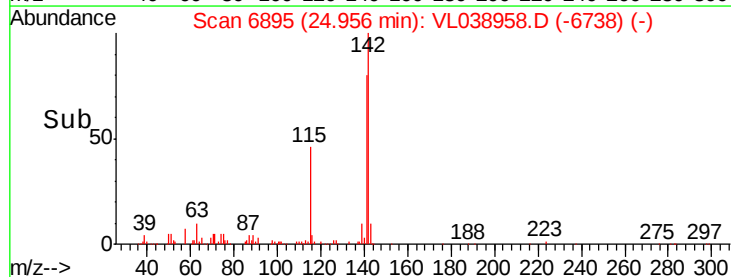
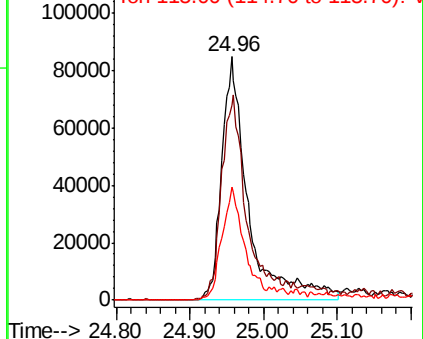
142 100

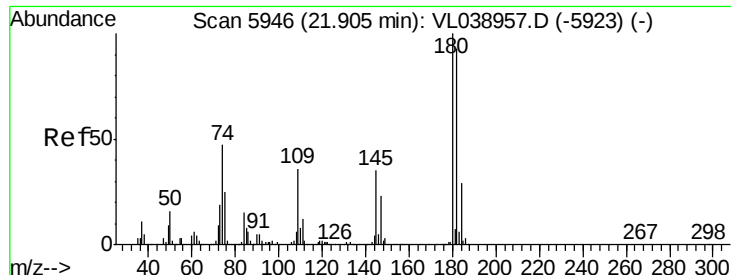
141 87.9 70.8 106.2

115 41.6 35.1 52.7



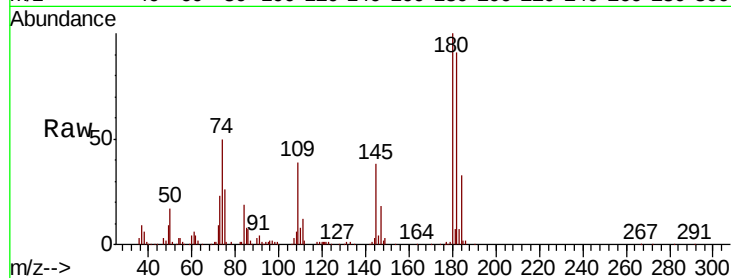
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 2.609 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 3.24

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.7	78.4	117.6
184	30.9	24.4	36.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

