

Data File : VL038254.D

Acq On : 24 Jan 2022 10:08

Operator : SY/AP

Sample : VSTDICC002

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Quant Time: Jan 24 11:15:50 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 11:15:25 2022

QLast Update : Mon Jan 24 11:15:25 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	801239	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2319873	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2052150	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1542271	9.75	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	274321	1.817	ppbv	93
3) Chlorodifluoromethane	3.00	51	346502	2.058	ppbv	98
4) Chloromethane	3.15	50	114018	1.953	ppbv	98
5) Vinyl Chloride	3.27	62	113881	1.941	ppbv	94
6) Bromomethane	3.48	94	63247	2.115	ppbv	91
7) Chloroethane	3.57	64	39361	1.992	ppbv	98
8) Dichlorotetrafluoroethane	3.20	85	294745	2.057	ppbv	98
9) Propene	3.02	41	115999	1.984	ppbv	97
10) Heptane	8.12	43	294622	1.987	ppbv	100
11) Trichlorofluoromethane	3.96	101	290615	2.096	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	215757	2.060	ppbv	96
13) Ethanol	3.62	45	6626	0.669	ppbv #	1
14) Bromoethene	3.75	108	85867	2.058	ppbv	100
15) Acetone	3.86	43	156171	1.942	ppbv	93
16) 1,3-Butadiene	3.34	39	104551	1.909	ppbv	94
17) tert-Butyl alcohol	4.30	59	151373	1.714	ppbv	100
18) 1,1-Dichloroethene	4.30	96	93885	2.047	ppbv	98
19) Isopropyl Alcohol	3.98	45	83656	1.668	ppbv #	96
20) Methylene Chloride	4.35	84	84059	1.852	ppbv	98
21) Allyl Chloride	4.42	41	136480	2.006	ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	99331	2.123	ppbv	93
23) Vinyl Acetate	5.08	43	215538	1.980	ppbv	99
24) 1,1-Dichloroethane	5.01	63	200703	2.061	ppbv	99
25) Ethyl Acetate	5.68	43	425218	1.952	ppbv	98
26) Hexane	5.69	57	197582	1.808	ppbv	97
27) Carbon Disulfide	4.56	76	231370	2.405	ppbv	96
28) Methyl tert-Butyl Ether	5.05	73	215155	1.959	ppbv	100
29) Chloroform	5.76	83	320291	1.975	ppbv	99
30) Cyclohexane	7.14	84	170075	1.757	ppbv #	81
31) cis-1,2-Dichloroethene	5.56	61	148326	1.730	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	328692	2.042	ppbv	99
34) 2-Butanone	5.25	43	151763	2.177	ppbv	99
35) Carbon Tetrachloride	7.02	117	341593	2.385	ppbv	95
36) Benzene	6.89	78	442170	2.043	ppbv	100
37) 1,2-Dichloroethane	6.31	62	229905	2.117	ppbv #	96
38) Trichloroethene	7.83	130	157311	1.910	ppbv	96
39) 1,2-Dichloropropane	7.62	63	176300	2.117	ppbv	98
40) 1,4-Dioxane	7.84	88	12398	0.512	ppbv #	1
41) Tetrahydrofuran	6.07	42	104195	2.040	ppbv	97
42) Bromodichloromethane	7.79	83	368245	2.384	ppbv	97
43) Methyl Methacrylate	8.02	69	151206	2.030	ppbv	95

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 11:15:25 2022

QLast Update : Mon Jan 24 11:15:25 2022

Response via : Initial Calibration

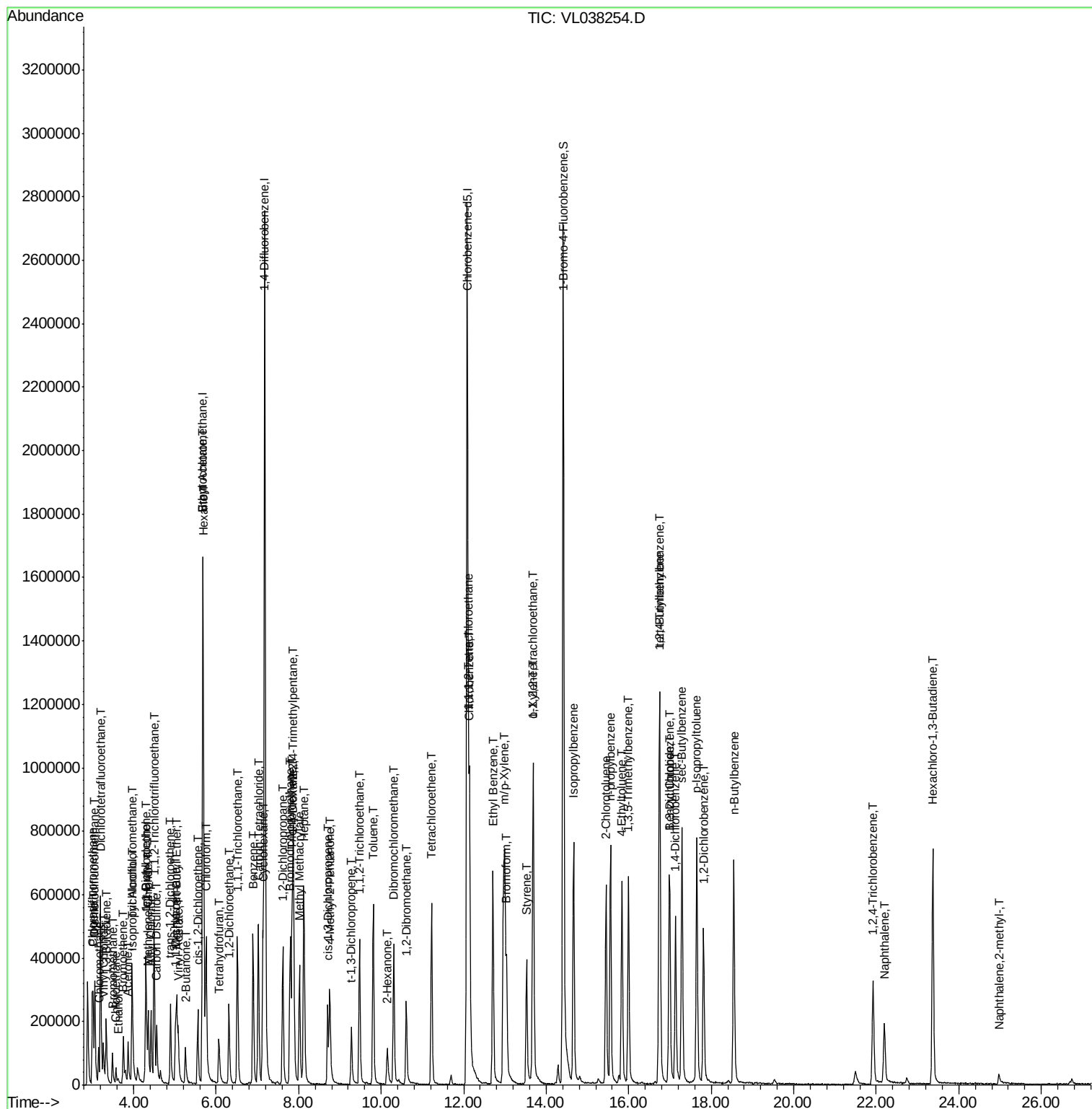
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	788947	2.146	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	115908	2.103	ppbv	93
46) cis-1,3-Dichloropropene	8.70	75	158040	2.072	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	170507	1.973	ppbv	95
48) Dibromochloromethane	10.30	129	283715	2.334	ppbv	94
49) Bromoform	13.04	173	103988	1.204	ppbv #	20
50) 4-Methyl-2-Pentanone	8.75	43	284221	2.242	ppbv	99
51) 2-Hexanone	10.15	43	118348	1.950	ppbv #	92
52) Tetrachloroethene	11.22	164	142439	1.783	ppbv	97
53) Toluene	9.81	91	489480	1.960	ppbv	99
54) 1,2-Dibromoethane	10.61	107	242404	1.977	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	190317	2.230	ppbv #	1
57) Chlorobenzene	12.14	112	348576	1.959	ppbv	98
58) Ethyl Benzene	12.71	91	642795	2.018	ppbv	98
59) m/p-Xylene	12.99	91	236941	0.870	ppbv #	1
60) o-Xylene	13.69	91	512139	2.029	ppbv	99
61) Styrene	13.53	104	240209	1.879	ppbv	99
62) Isopropylbenzene	14.67	105	704253	1.987	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	373193	1.923	ppbv	100
64) n-propylbenzene	15.56	120	171040	1.941	ppbv	89
65) tert-Butylbenzene	16.74	119	606112	1.943	ppbv	99
66) Benzyl Chloride	16.99	91	13813	1.188	ppbv #	73
67) sec-Butylbenzene	17.29	105	841818	1.964	ppbv	99
69) p-Isopropyltoluene	17.65	119	655027	1.900	ppbv	99
70) n-Butylbenzene	18.55	91	647432	1.975	ppbv	99
71) 2-Chlorotoluene	15.45	91	522699	1.982	ppbv	97
72) 4-Ethyltoluene	15.84	105	561210	1.931	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	502675	1.932	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	542385	1.985	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	283332	1.920	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	266222	1.818	ppbv	96
77) 1,2-Dichlorobenzene	17.82	146	264884	1.875	ppbv	97
78) Hexachloro-1,3-Butadiene	23.37	225	187725	2.153	ppbv	99
79) Naphthalene	22.20	128	256606	1.818	ppbv	99
80) Naphthalene,2-methyl-	24.98	142	27497	0.982	ppbv #	83
81) 1,2,4-Trichlorobenzene	21.92	180	84370	1.045	ppbv #	27

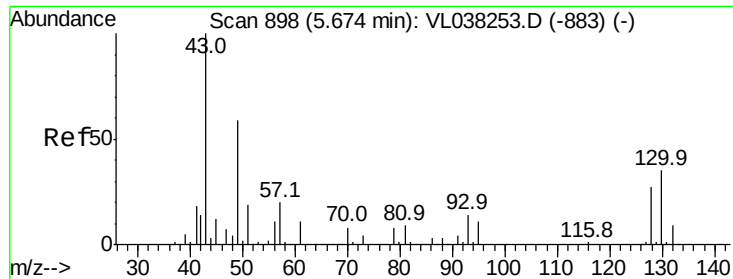
(#)=qualifier out of range (m)=manual integration (+)=signals summed

ALS Vial : 1 Sample Multiplier: 1

VSTDICC002

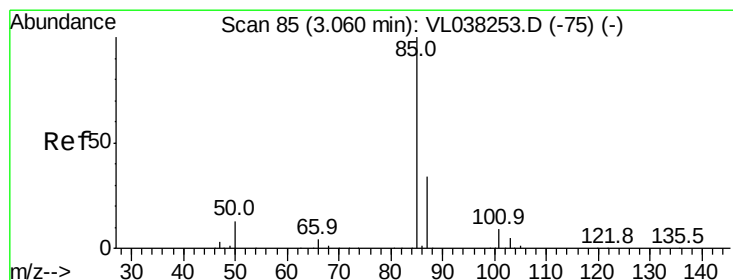
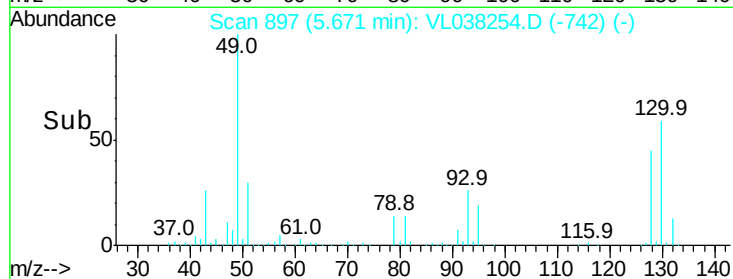
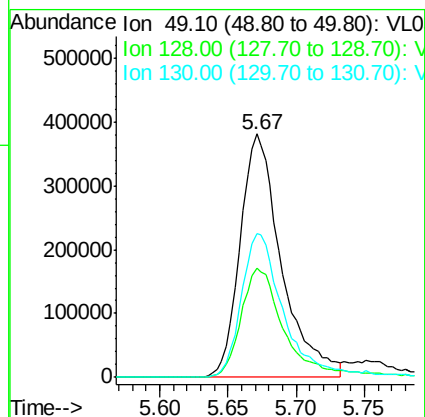
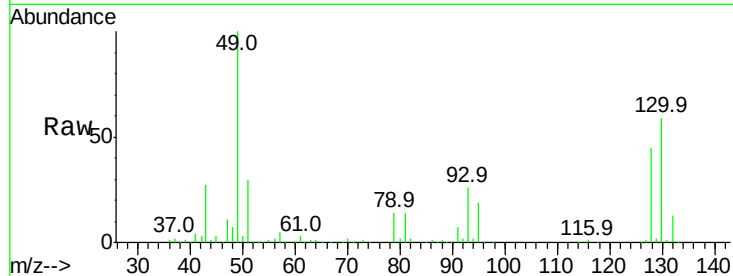
Response via : Initial Calibration





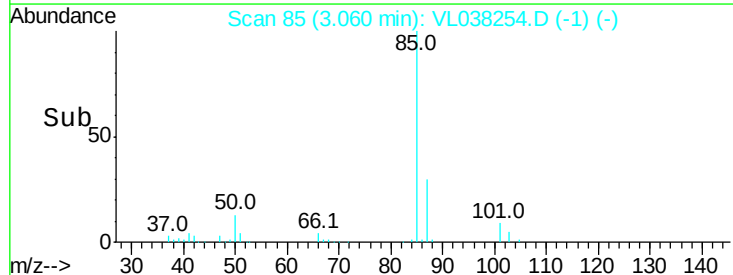
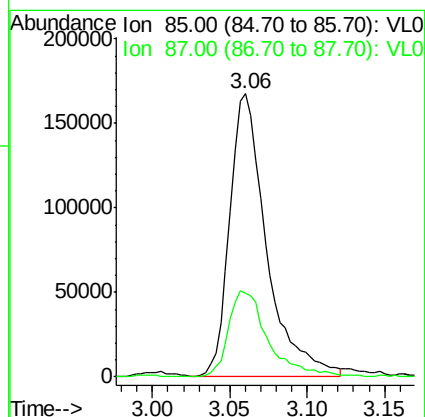
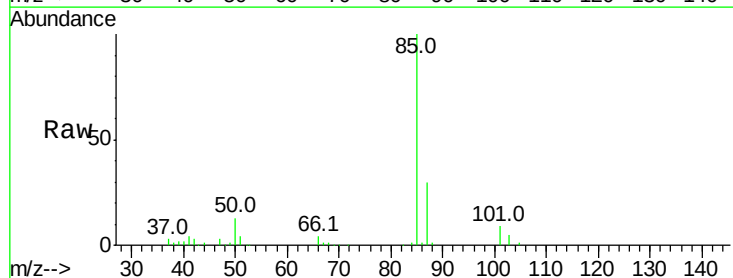
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 24 Jan 2022 10:08

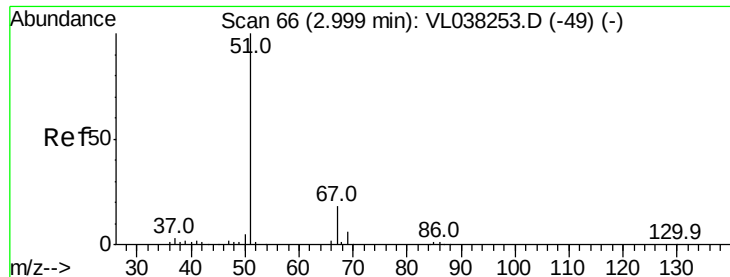
Tgt Ion: 49 Resp: 801239
 Ion Ratio Lower Upper
 49 100
 128 49.3 24.5 73.5
 130 62.7 30.1 90.5



#2
 Dichlorodifluoromethane
 Concen: 1.817 ppbv
 RT: 3.06 min Scan# 85
 Delta R.T. 0.00 min
 Lab File: VL038254.D
 Acq: 24 Jan 2022 10:08

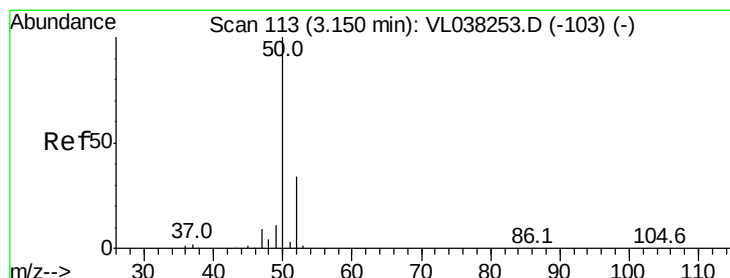
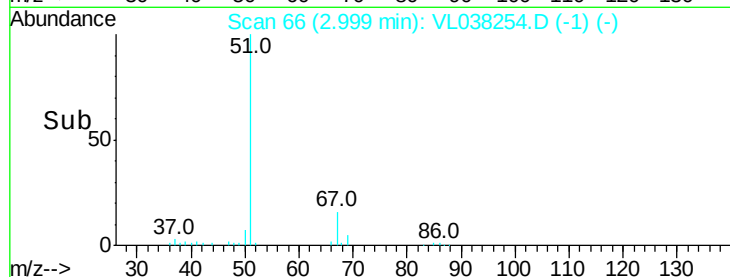
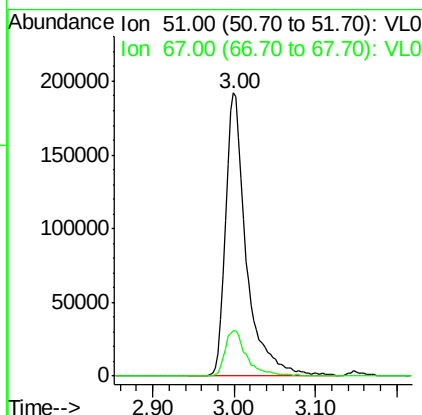
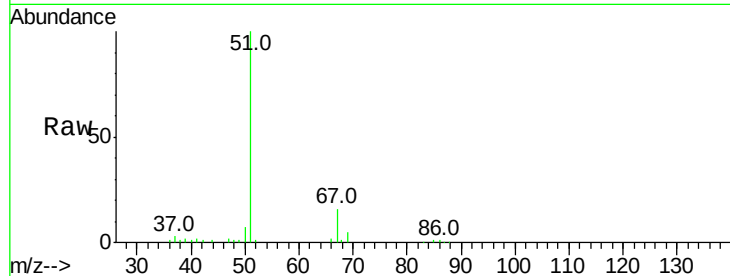
Tgt Ion: 85 Resp: 274321
 Ion Ratio Lower Upper
 85 100
 87 29.7 27.0 40.6





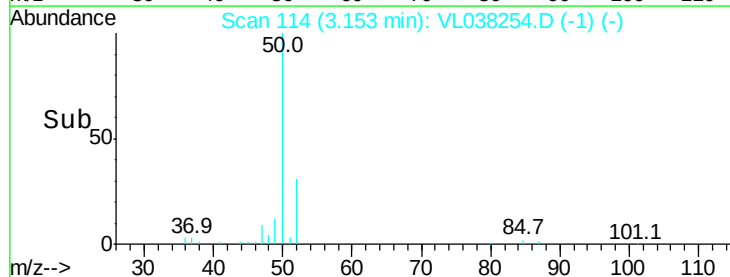
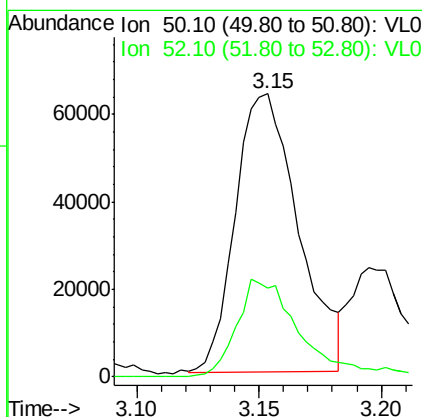
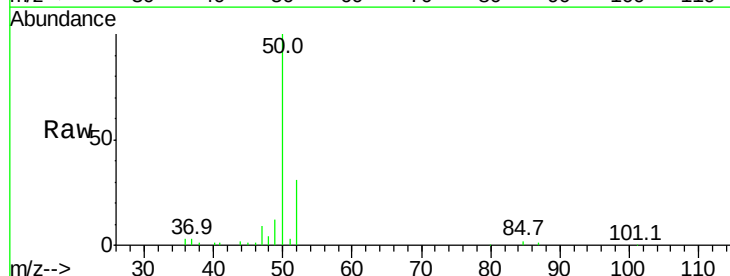
#3
 Chlorodifluoromethane
 Concen: 2.058 ppbv
 RT: 3.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 24 Jan 2022 10:08

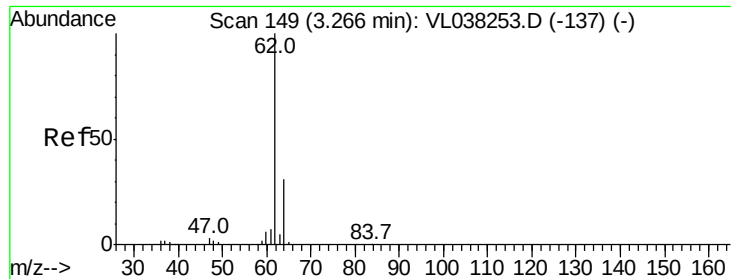
Tgt Ion: 51 Resp: 346502
 Ion Ratio Lower Upper
 51 100
 67 17.1 14.4 21.6



#4
 Chloromethane
 Concen: 1.953 ppbv
 RT: 3.15 min Scan# 114
 Delta R.T. 0.00 min
 Lab File: VL038254.D
 Acq: 24 Jan 2022 10:08

Tgt Ion: 50 Resp: 114018
 Ion Ratio Lower Upper
 50 100
 52 32.7 27.1 40.7





#5

Vinyl Chloride

Concen: 1.941 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

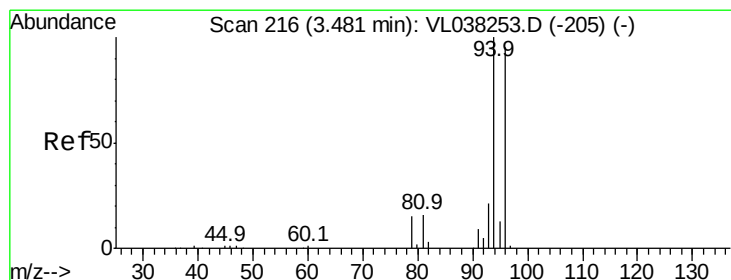
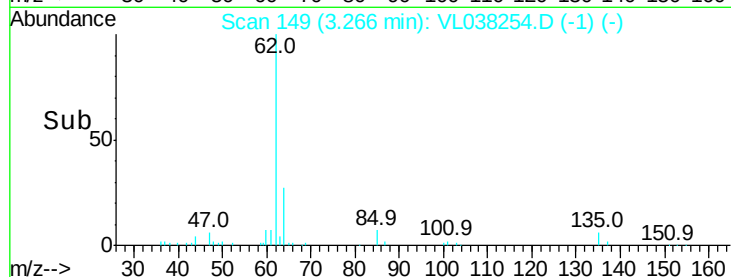
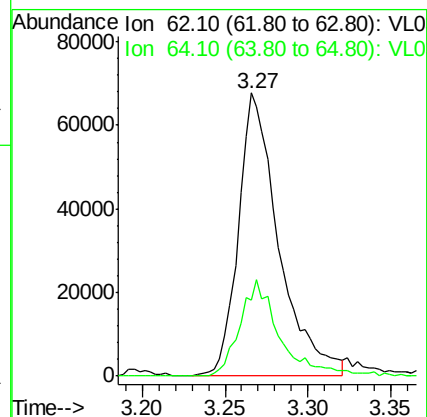
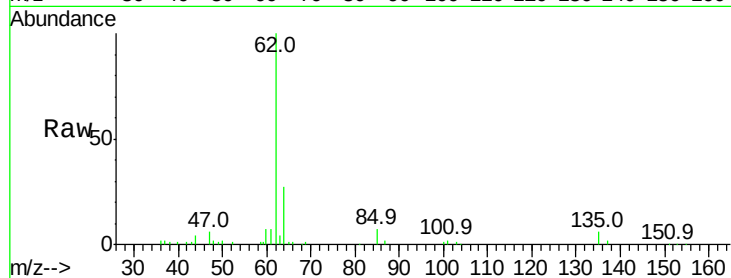
Acq: 24 Jan 2022 10:08

Tgt Ion: 62 Resp: 113881

Ion Ratio Lower Upper

62 100

64 27.2 24.4 36.6



#6

Bromomethane

Concen: 2.115 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.00 min

Lab File: VL038254.D

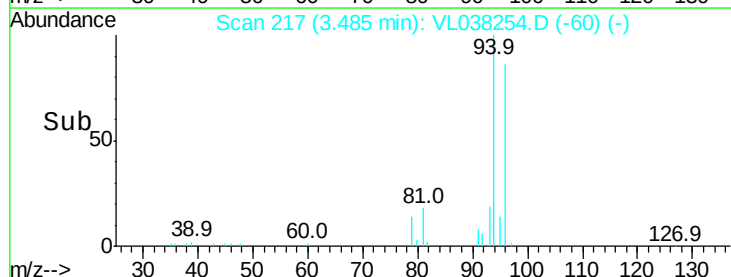
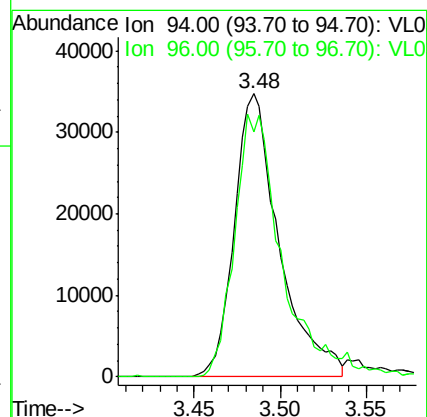
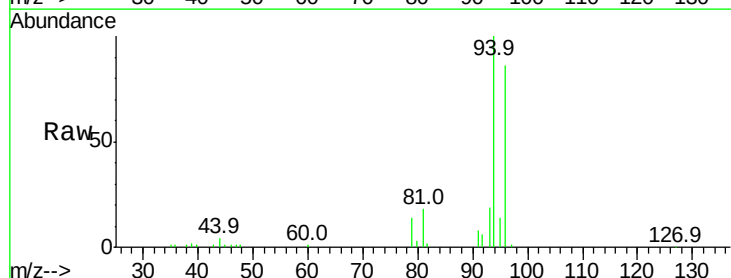
Acq: 24 Jan 2022 10:08

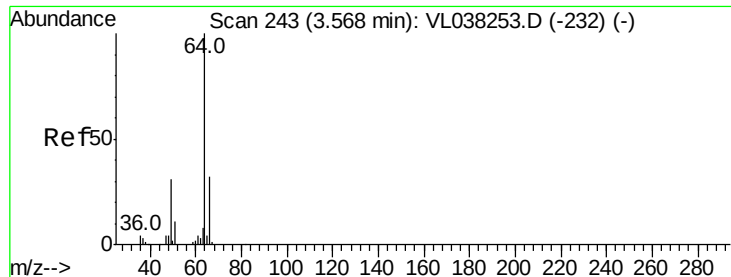
Tgt Ion: 94 Resp: 63247

Ion Ratio Lower Upper

94 100

96 86.4 76.0 114.0





#7

Chloroethane

Concen: 1.992 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

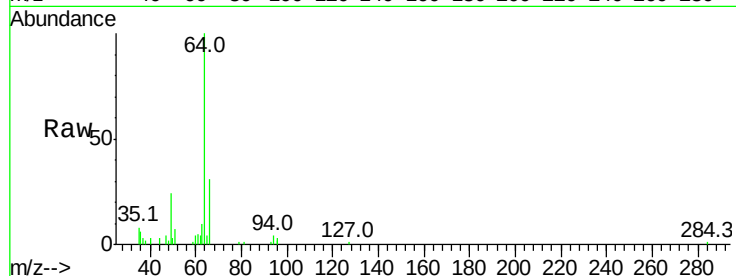
Acq: 24 Jan 2022 10:08 VSTDIC002

Tgt Ion: 64 Resp: 39361

Ion Ratio Lower Upper

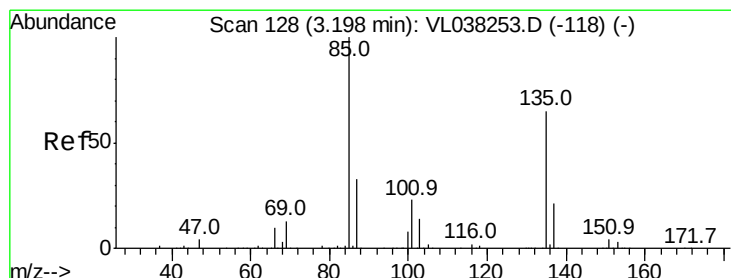
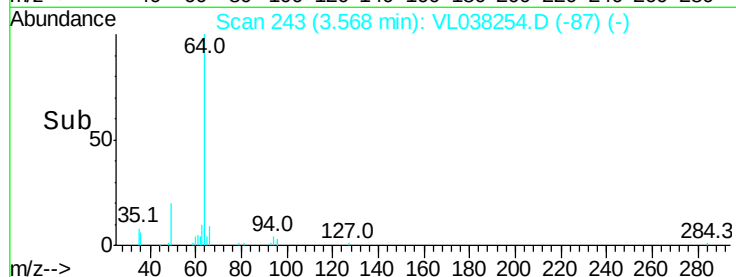
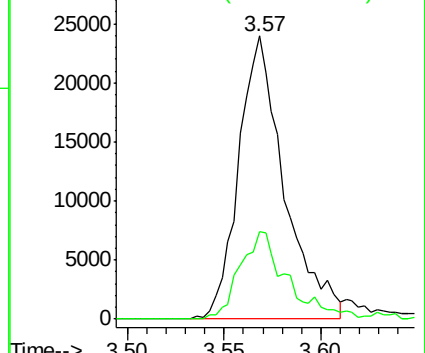
64 100

66 31.0 25.8 38.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 2.057 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.00 min

Lab File: VL038254.D

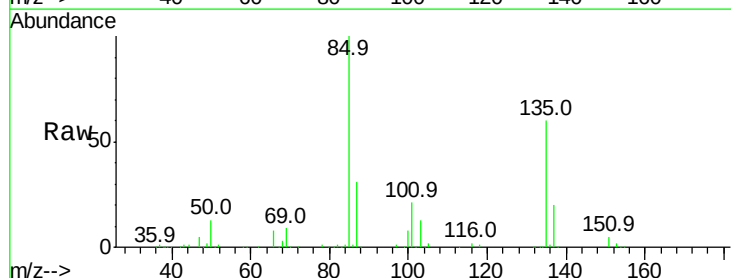
Acq: 24 Jan 2022 10:08

Tgt Ion: 85 Resp: 294745

Ion Ratio Lower Upper

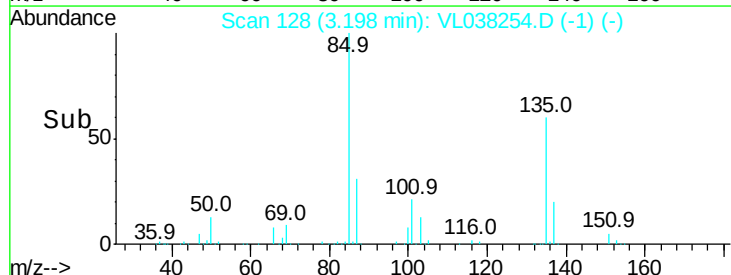
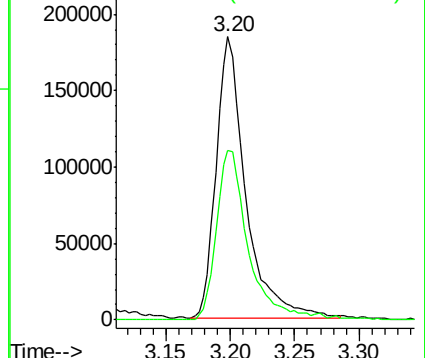
85 100

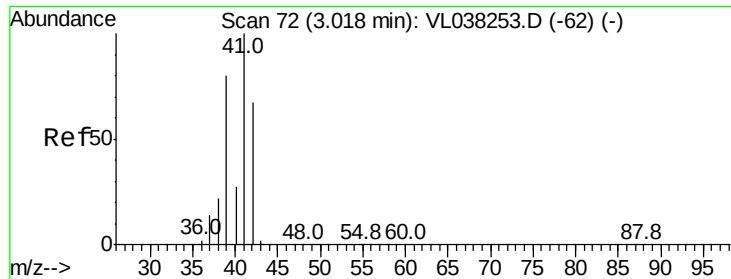
135 65.8 53.7 80.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.984 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: ClientSampleId: VSTDIC002

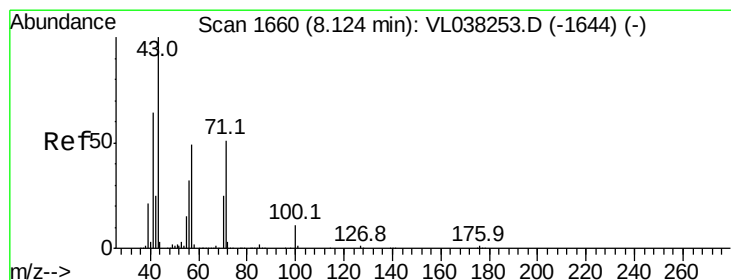
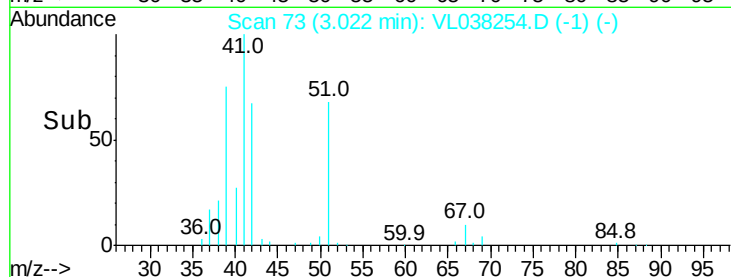
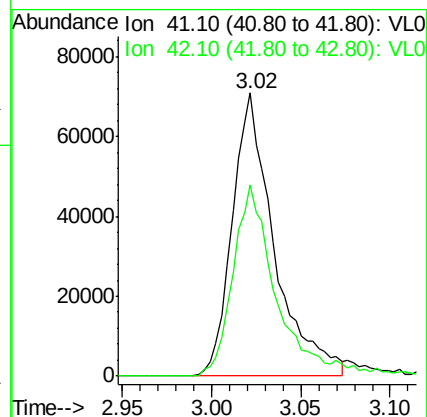
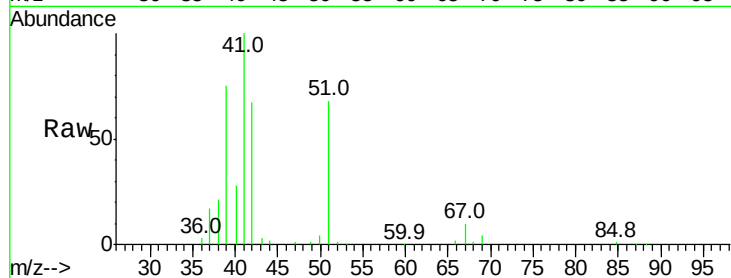
Acq: 24 Jan 2022 10:08

Tgt Ion: 41 Resp: 115999

Ion Ratio Lower Upper

41 100

42 71.2 54.9 82.3



#10

Heptane

Concen: 1.987 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VL038254.D

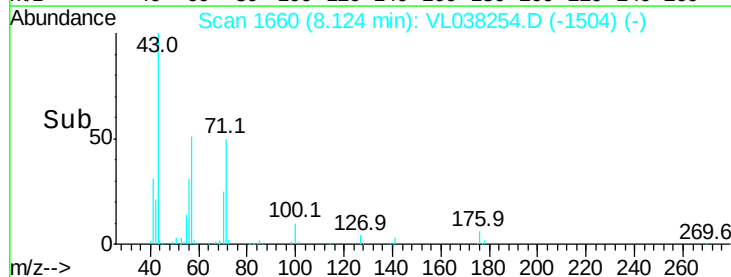
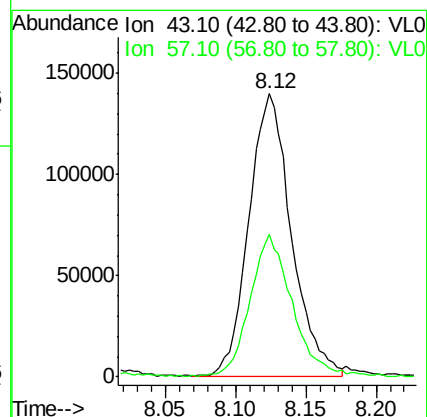
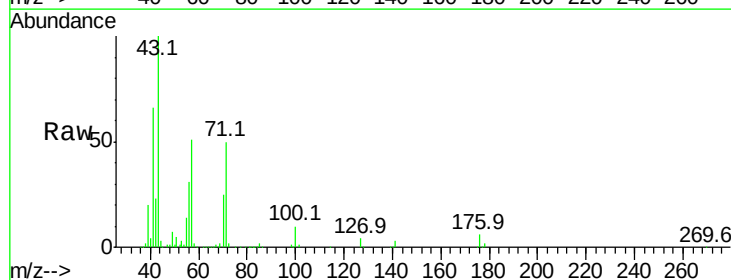
Acq: 24 Jan 2022 10:08

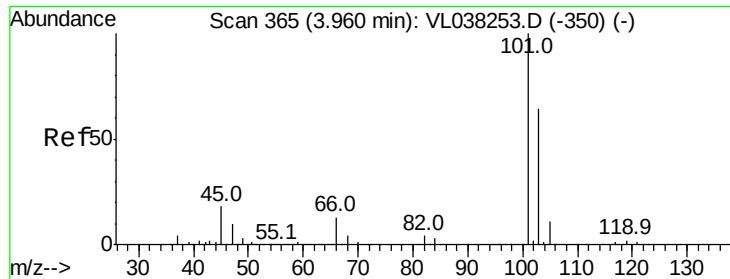
Tgt Ion: 43 Resp: 294622

Ion Ratio Lower Upper

43 100

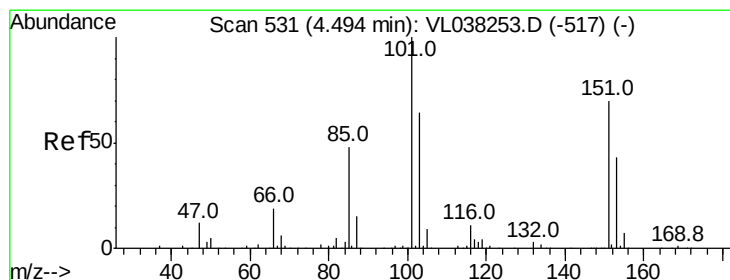
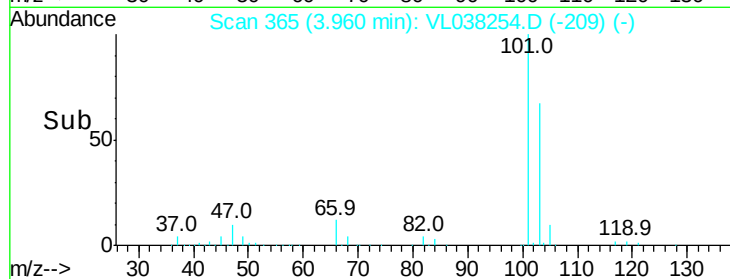
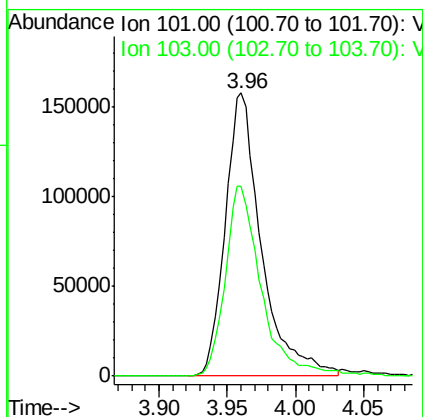
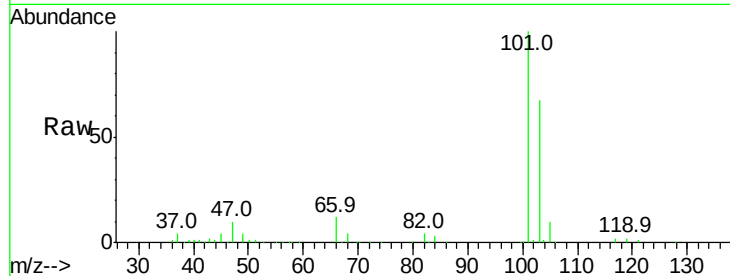
57 49.3 39.5 59.3





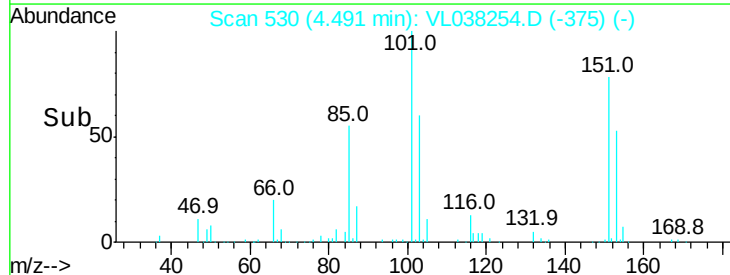
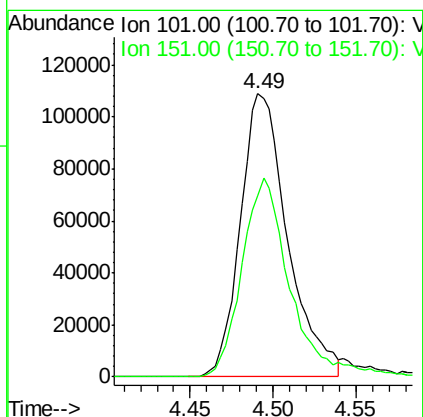
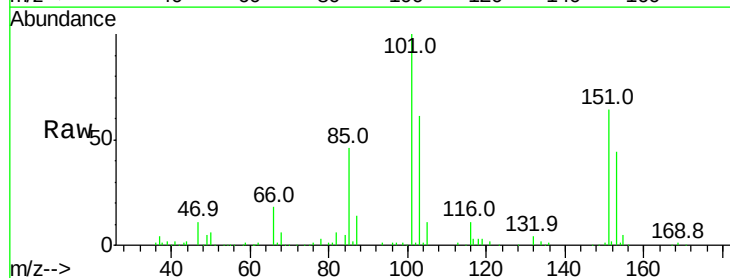
#11
 Trichlorofluoromethane
 Concen: 2.096 ppbv
 RT: 3.96
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC002
 Acq: 24 Jan 2022 10:08

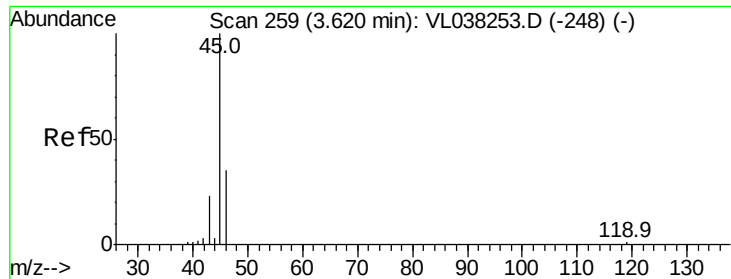
Tgt Ion:101 Resp: 290615
 Ion Ratio Lower Upper
 101 100
 103 67.0 51.2 76.8



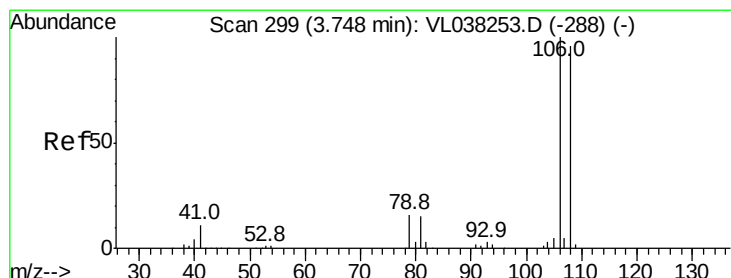
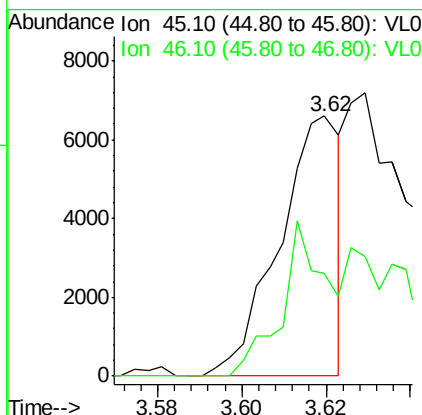
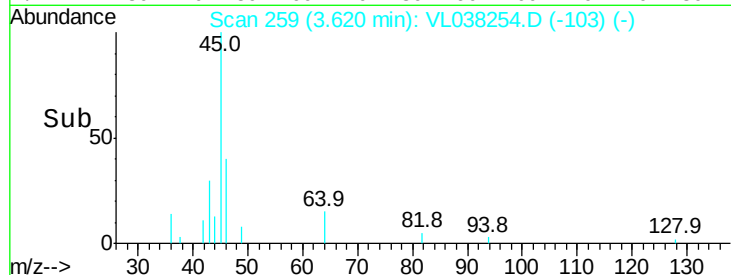
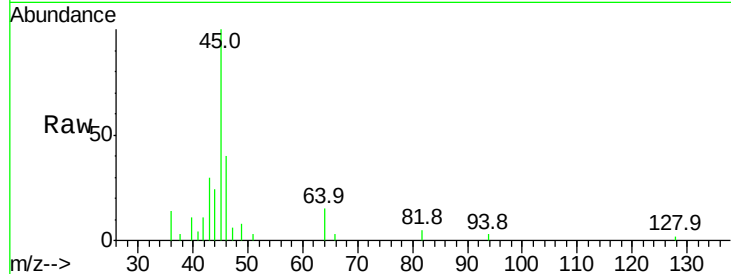
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.060 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T.: -0.00 min
 Lab File: VL038254.D
 Acq: 24 Jan 2022 10:08

Tgt Ion:101 Resp: 215757
 Ion Ratio Lower Upper
 101 100
 151 72.3 55.3 82.9

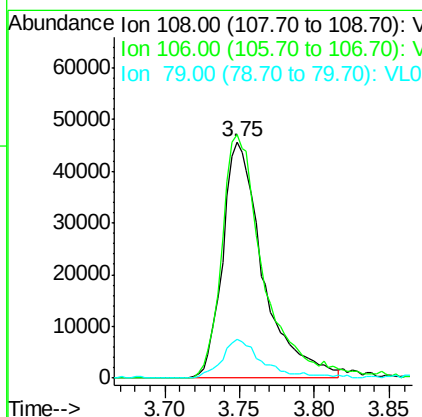
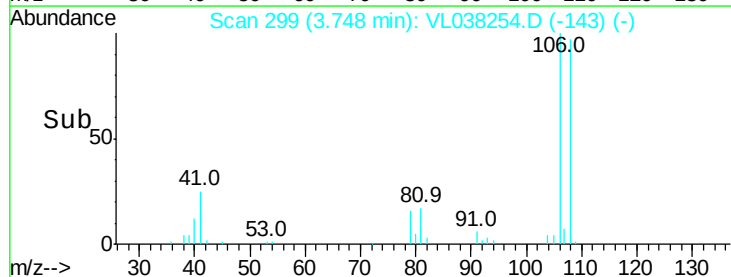
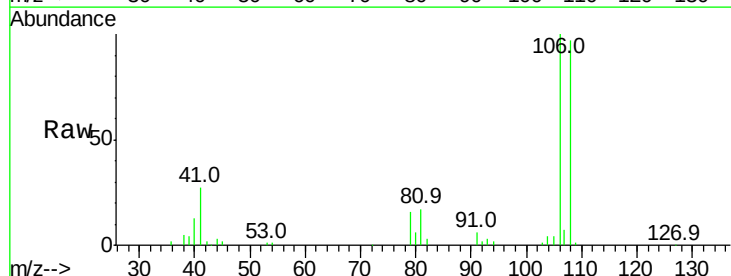


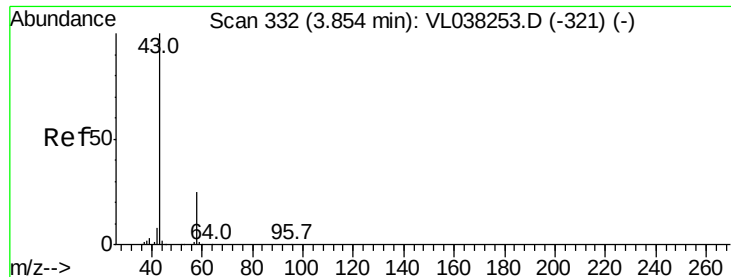


#13
Ethanol
Concen: 0.669 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Jan 2022 10:08
Tgt Ion: 45 Resp: 6626
Ion Ratio Lower Upper
45 100
46 126.3 15.4 61.6#



#14
Bromoethene
Concen: 2.058 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08
Tgt Ion: 108 Resp: 85867
Ion Ratio Lower Upper
108 100
106 108.3 86.4 129.6
79 17.3 14.1 21.1





#15

Acetone

Concen: 1.942 ppbv

RT: 3.86 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

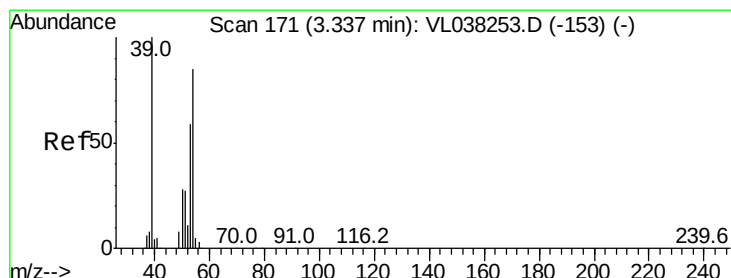
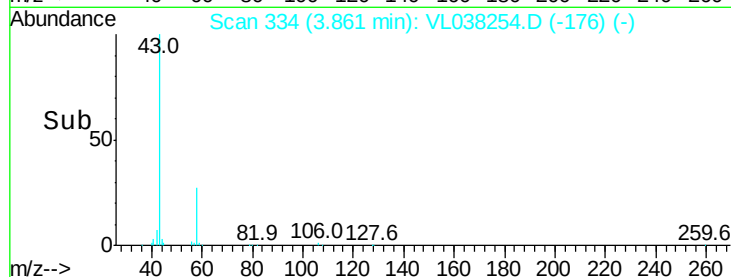
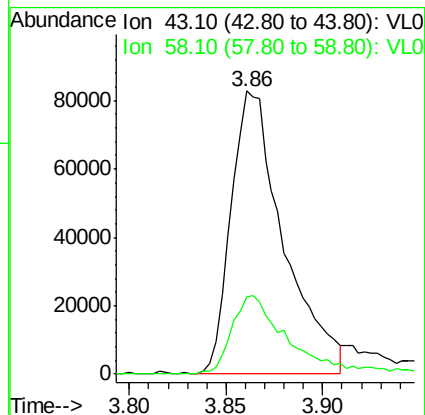
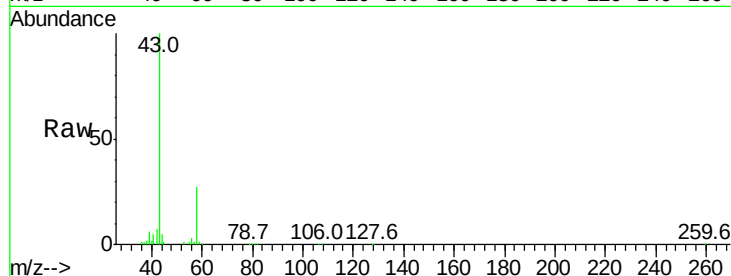
Acq: 24 Jan 2022 10:08 VSTDIC002

Tgt Ion: 43 Resp: 156171

Ion Ratio Lower Upper

43 100

58 30.5 21.5 32.3



#16

1,3-Butadiene

Concen: 1.909 ppbv

RT: 3.34 min Scan# 172

Delta R.T. 0.00 min

Lab File: VL038254.D

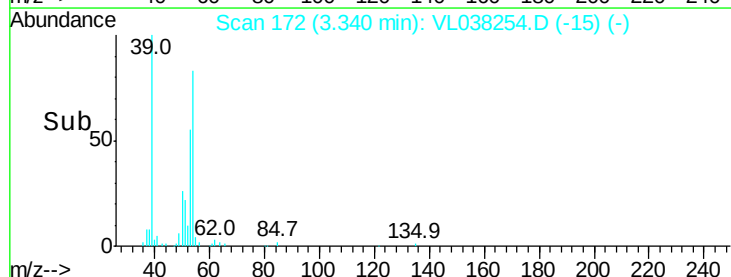
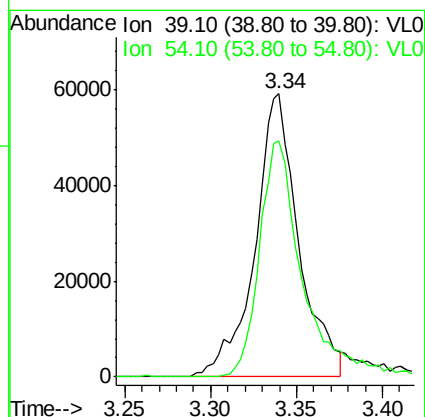
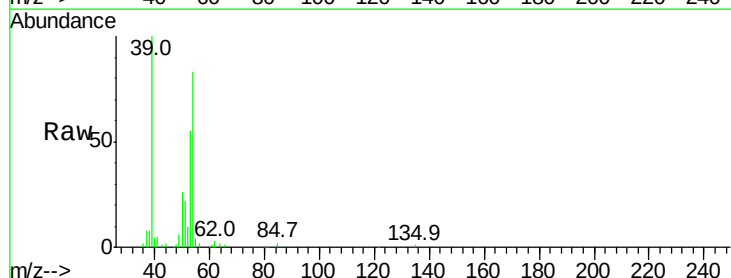
Acq: 24 Jan 2022 10:08

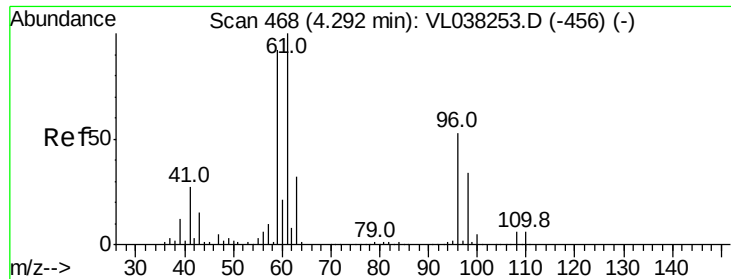
Tgt Ion: 39 Resp: 104551

Ion Ratio Lower Upper

39 100

54 83.2 62.6 94.0





#17

tert-Butyl alcohol

Concen: 1.714 ppbv

RT: 4.30 min

Delta R.T. 0.00 min

Lab File: VSTDIC002

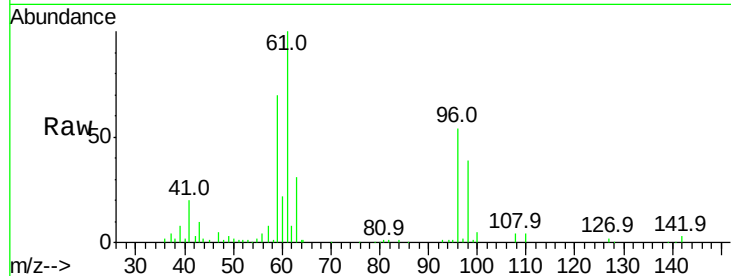
Acq: 24 Jan 2022 10:08

Tgt Ion: 59 Resp: 151373

Ion Ratio Lower Upper

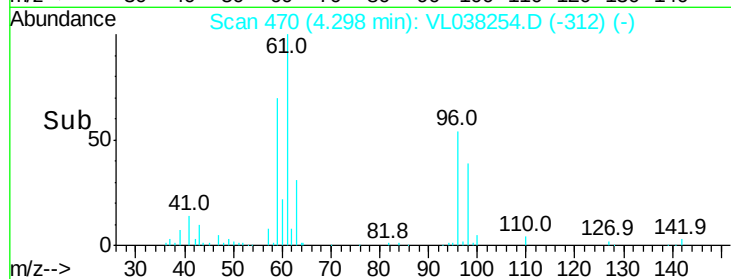
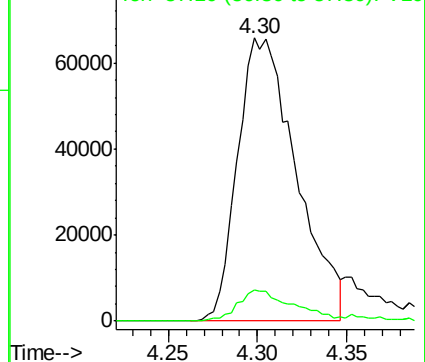
59 100

57 11.6 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: 2.047 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.00 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

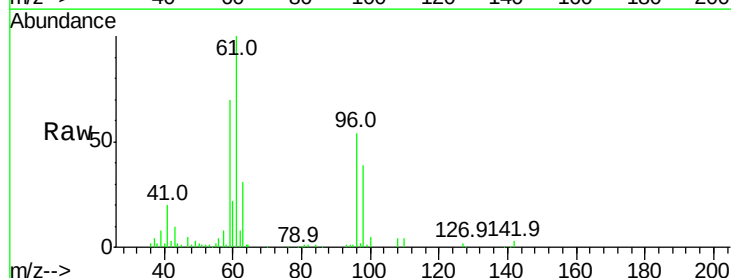
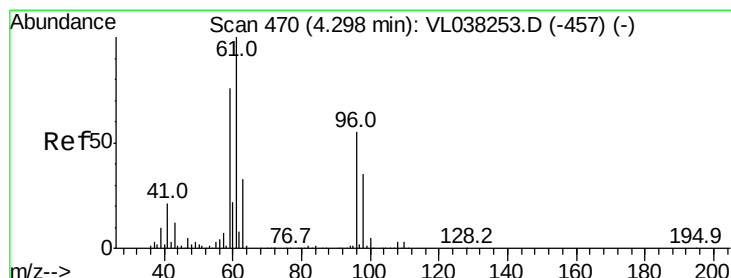
Tgt Ion: 96 Resp: 93885

Ion Ratio Lower Upper

96 100

61 183.8 146.5 219.7

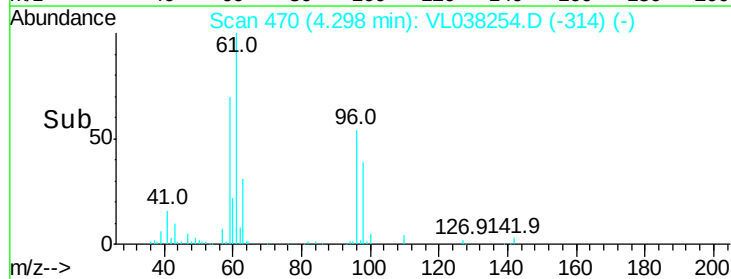
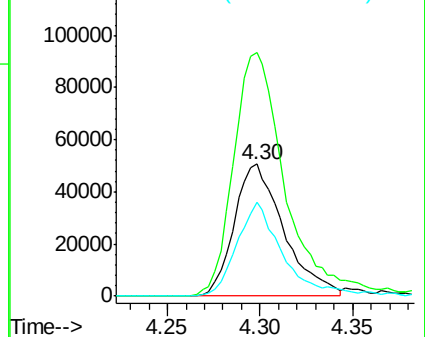
98 70.9 51.9 77.9

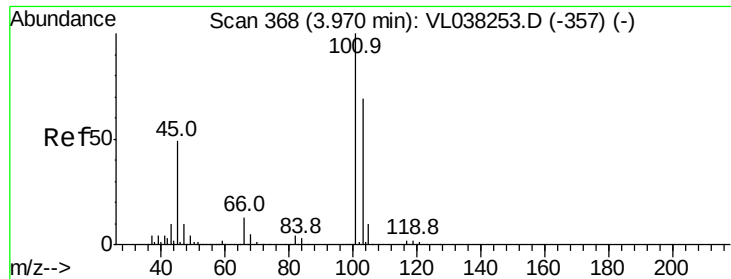


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 1.668 ppbv

RT: 3.98 Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: ClientSampleId: VSTDIC002

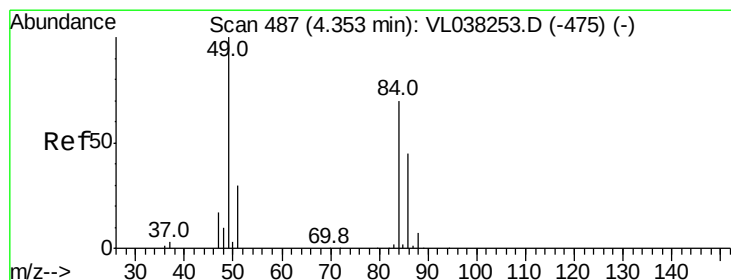
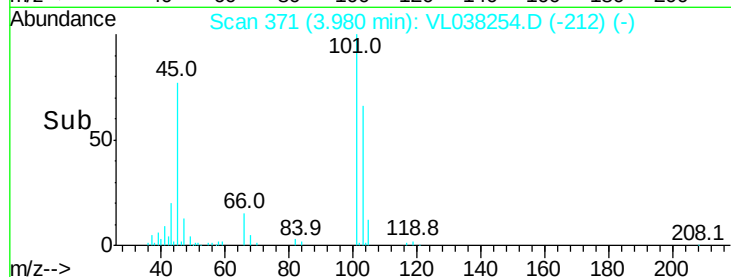
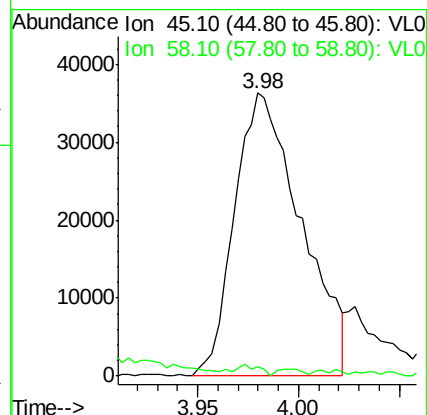
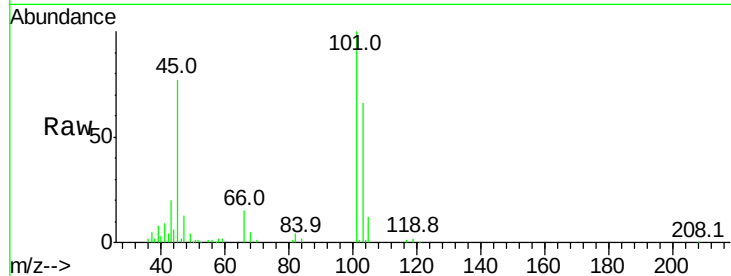
Acq: 24 Jan 2022 10:08

Tgt Ion: 45 Resp: 83656

Ion Ratio Lower Upper

45 100

58 4.2 2.3 3.5#



#20

Methylene Chloride

Concen: 1.852 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.00 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

Tgt Ion: 84 Resp: 84059

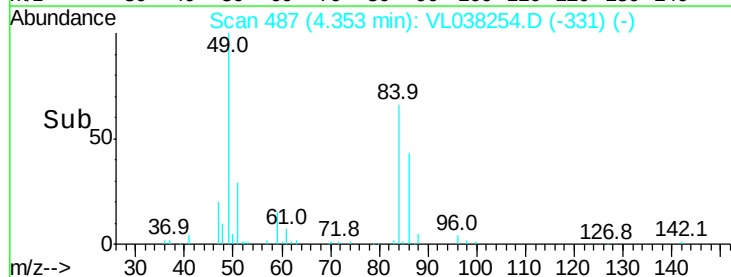
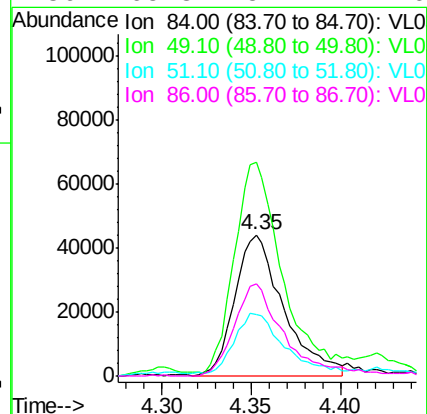
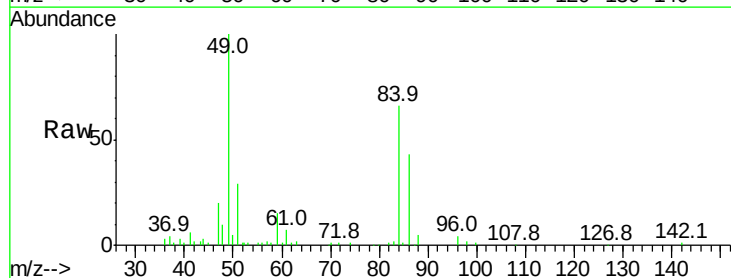
Ion Ratio Lower Upper

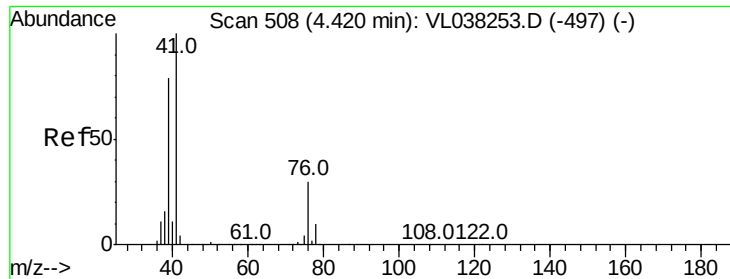
84 100

49 147.1 115.0 172.6

51 42.2 35.0 52.6

86 65.3 51.4 77.0





#21

Allyl Chloride

Concen: 2.006 ppbv

RT: 4.42 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 24 Jan 2022 10:08

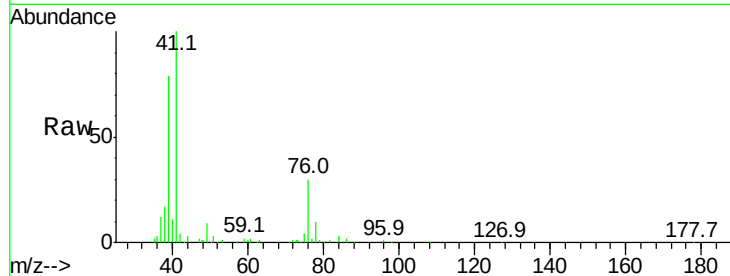
Tgt Ion: 41 Resp: 136480

Ion Ratio Lower Upper

41 100

76 32.8 25.0 37.6

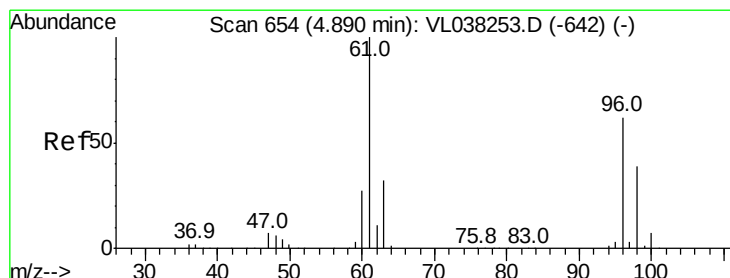
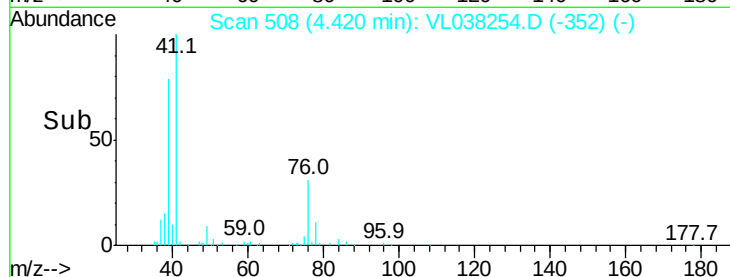
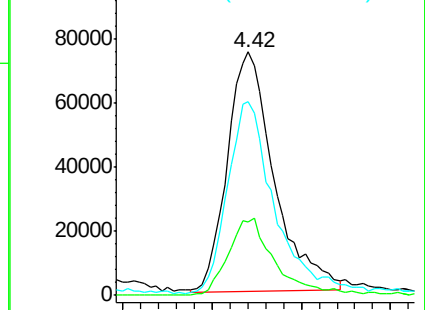
39 82.5 63.0 94.6



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: 2.123 ppbv

RT: 4.89 min Scan# 655

Delta R.T. 0.00 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

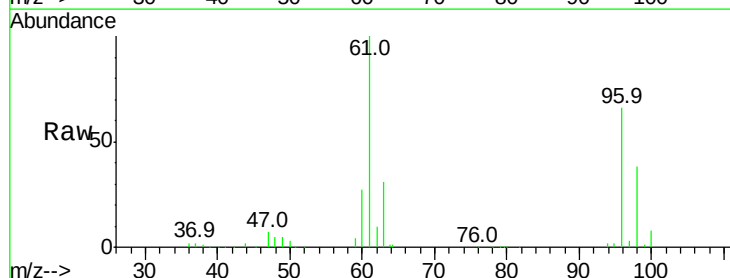
Tgt Ion: 96 Resp: 99331

Ion Ratio Lower Upper

96 100

61 151.8 128.8 193.2

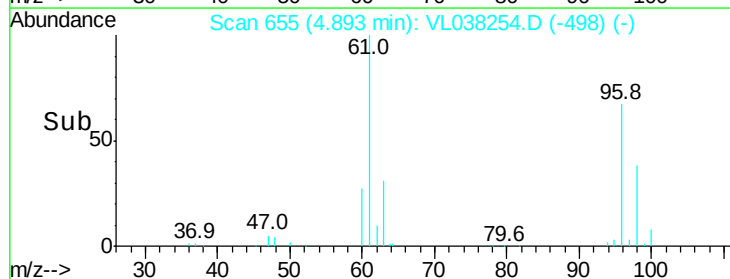
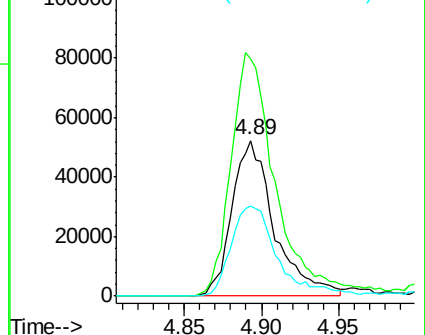
98 57.7 49.8 74.8

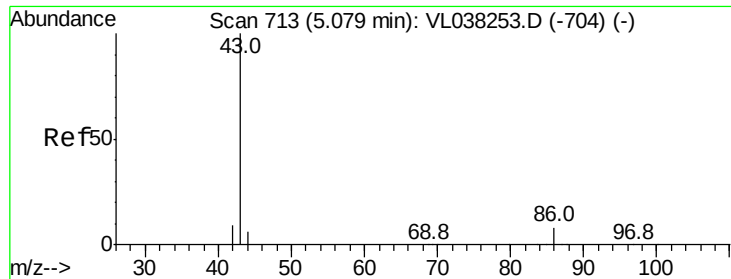


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 1.980 ppbv

RT: 5.08 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC002

Acq: 24 Jan 2022 10:08

Tgt Ion: 43 Resp: 215538

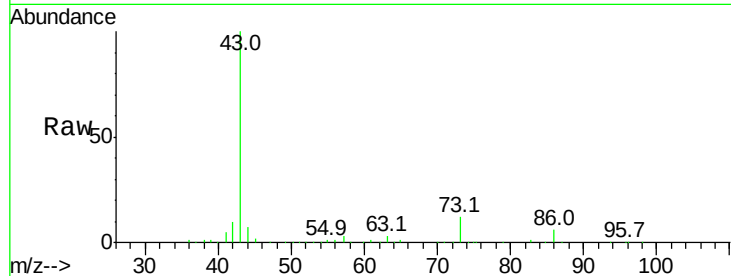
Ion Ratio Lower Upper

43 100

86 6.6 5.7 8.5

42 9.1 7.7 11.5

44 4.9 4.2 6.4

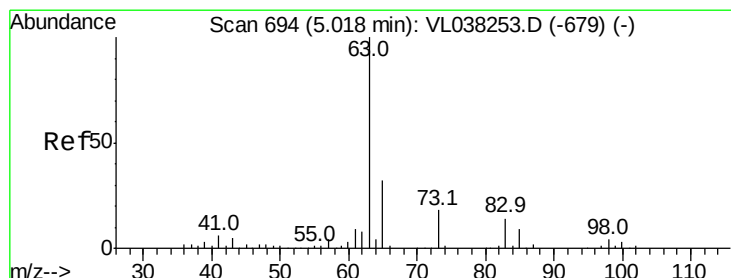
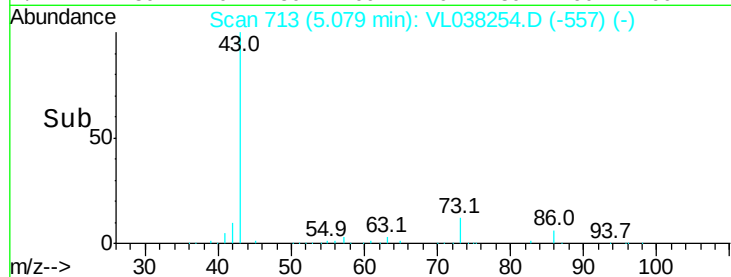
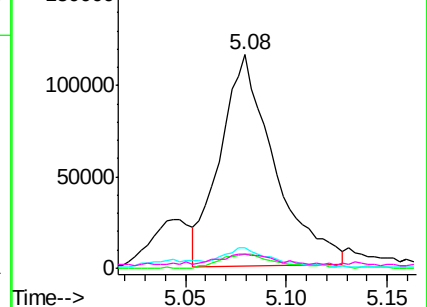


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 2.061 ppbv

RT: 5.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

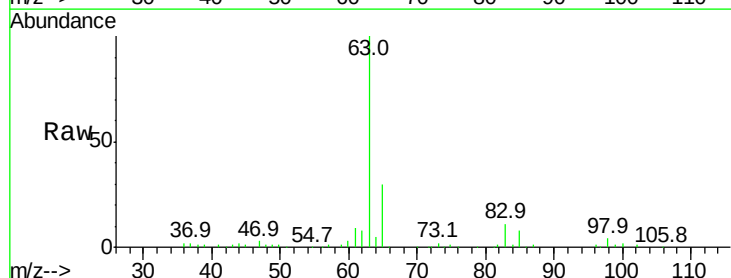
Tgt Ion: 63 Resp: 200703

Ion Ratio Lower Upper

63 100

98 4.1 2.3 6.8

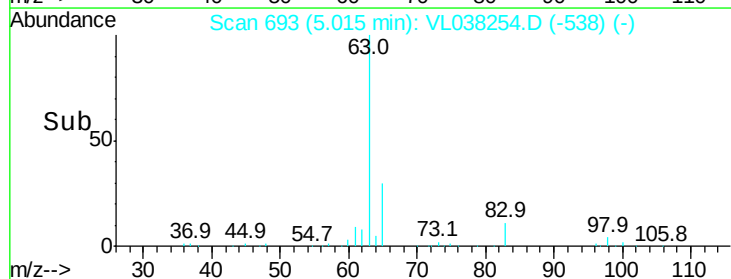
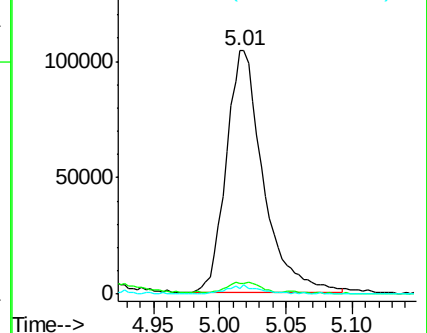
100 2.2 1.3 3.9

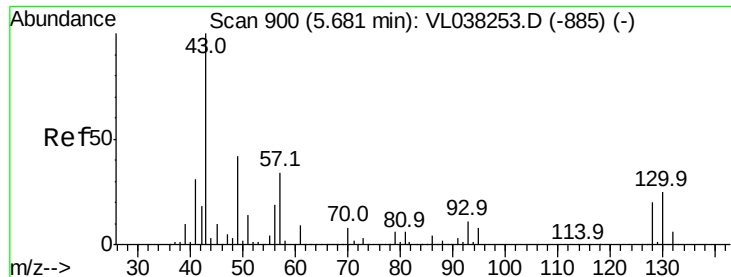


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

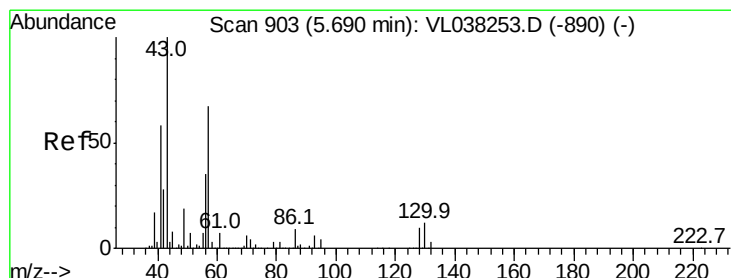
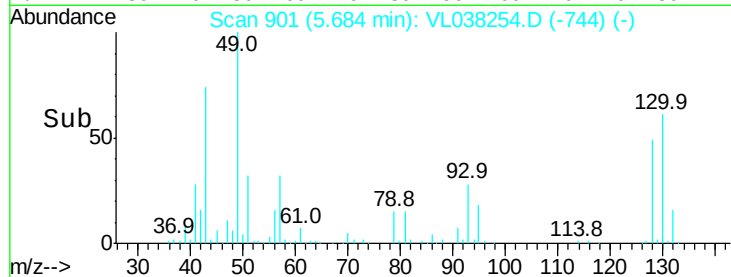
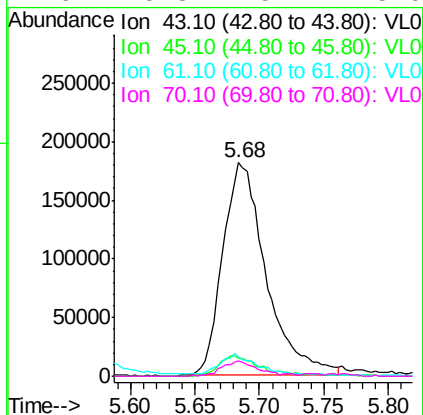
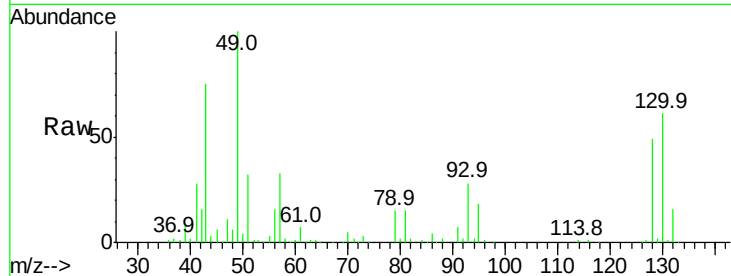
Ion 100.00 (99.70 to 100.70): VL0





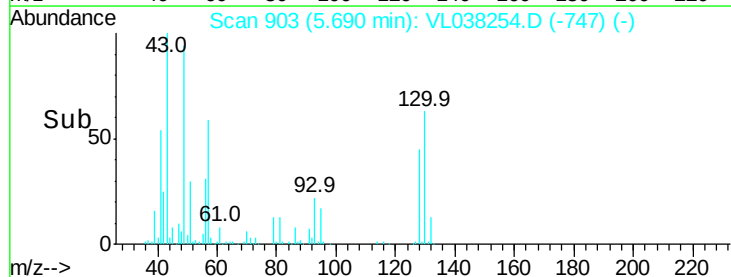
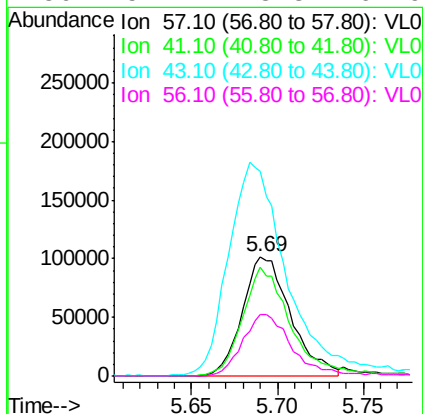
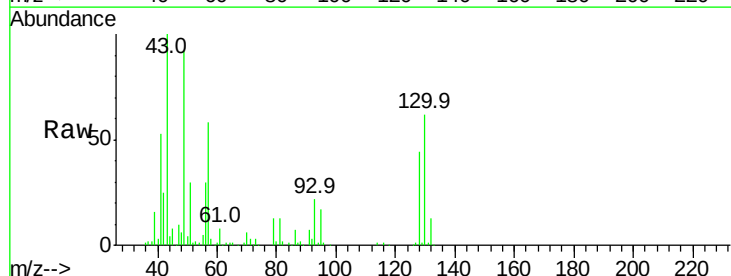
#25
Ethyl Acetate
Concen: 1.952 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC002
Acq: 24 Jan 2022 10:08

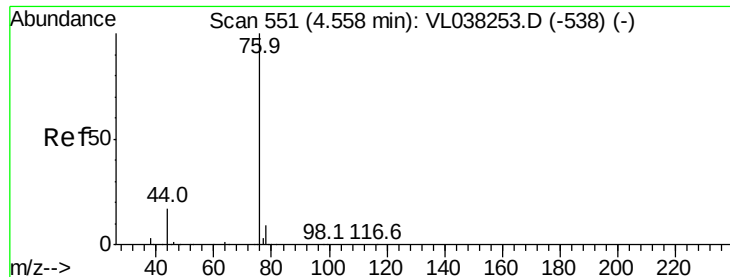
Tgt Ion:	43	Resp:	425218
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	11.3	7.8	11.8
70	6.3	5.4	8.0



#26
Hexane
Concen: 1.808 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: 0.00 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08

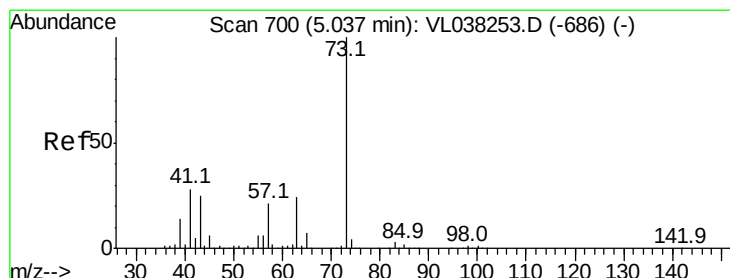
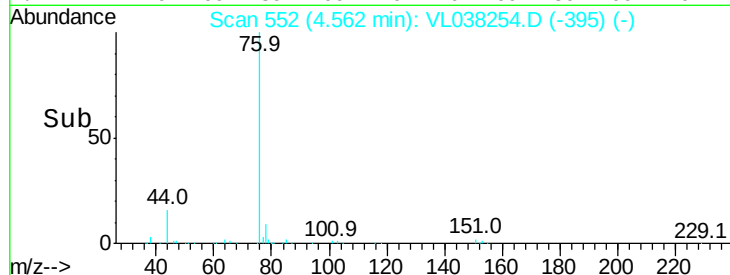
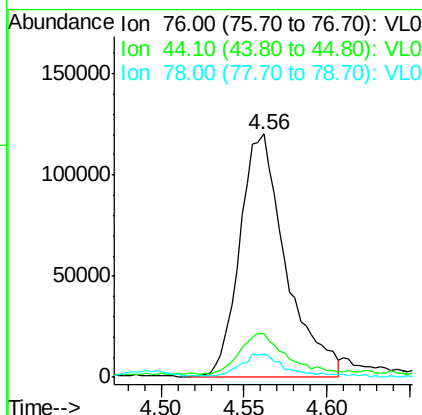
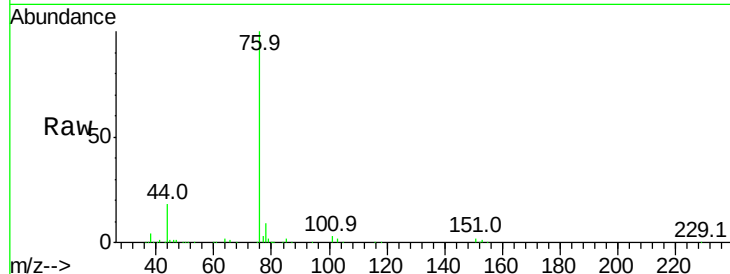
Tgt Ion:	57	Resp:	197582
Ion	Ratio	Lower	Upper
57	100		
41	93.9	72.8	109.2
43	226.0	177.0	265.6
56	54.4	43.3	64.9





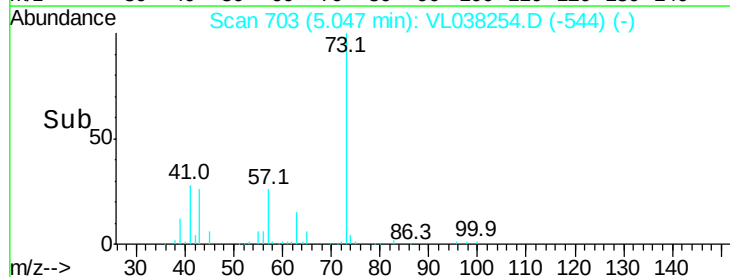
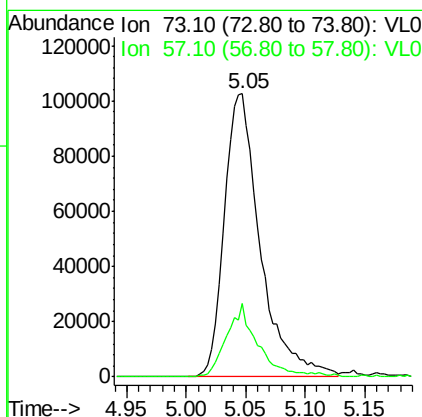
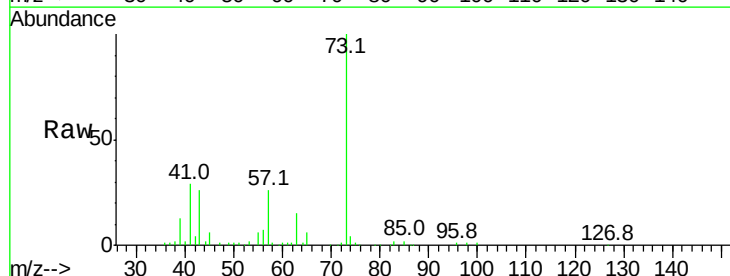
#27
Carbon Disulfide
Concen: 2.405 ppbv
RT: 4.56
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDIC002
Acq: 24 Jan 2022 10:08

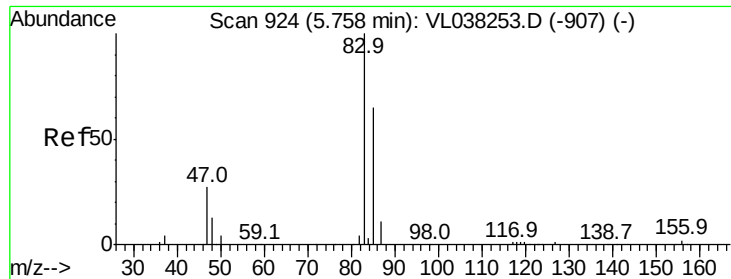
Tgt Ion: 76 Resp: 231370
Ion Ratio Lower Upper
76 100
44 20.9 14.8 22.2
78 10.8 7.9 11.9



#28
Methyl tert-Butyl Ether
Concen: 1.959 ppbv
RT: 5.05 min Scan# 703
Delta R.T. 0.01 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08

Tgt Ion: 73 Resp: 215155
Ion Ratio Lower Upper
73 100
57 22.8 18.2 27.4





#29

Chloroform

Concen: 1.975 ppbv

RT: 5.76 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

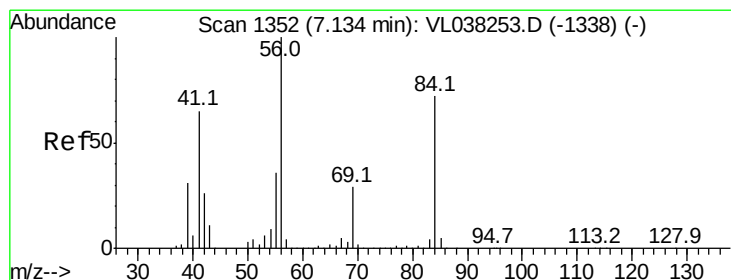
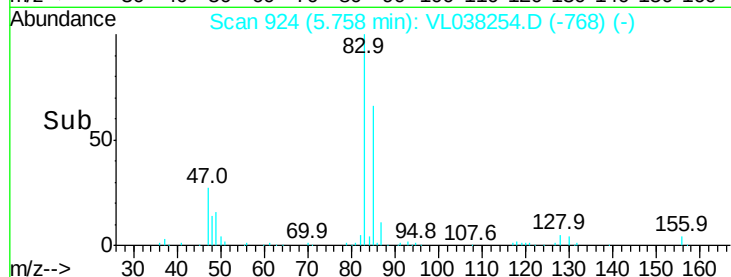
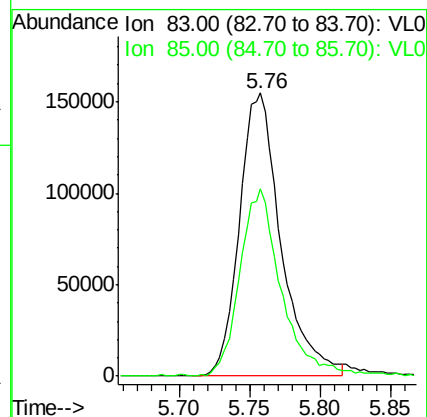
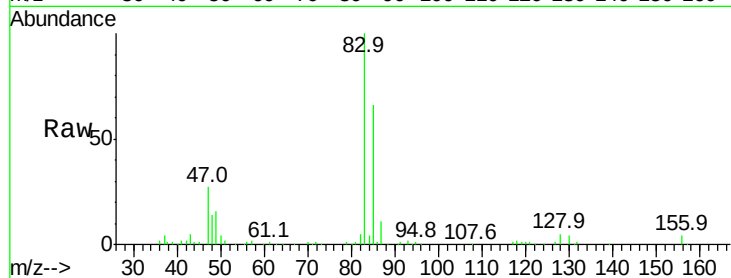
Acq: 24 Jan 2022 10:08 VSTDIC002

Tgt Ion: 83 Resp: 320291

Ion Ratio Lower Upper

83 100

85 66.0 51.9 77.9



#30

Cyclohexane

Concen: 1.757 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. 0.00 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

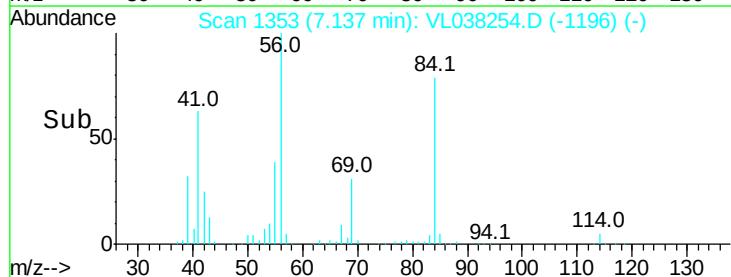
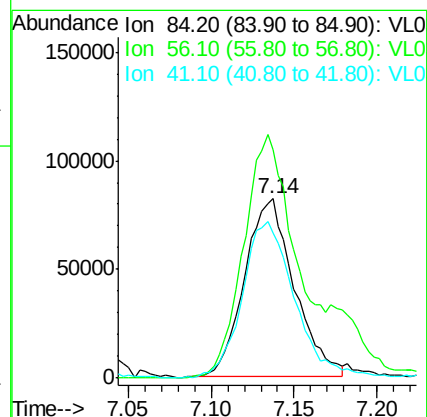
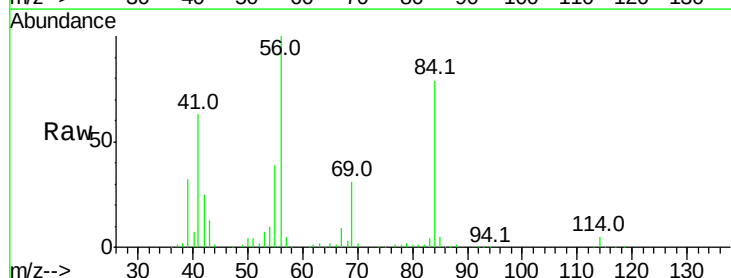
Tgt Ion: 84 Resp: 170075

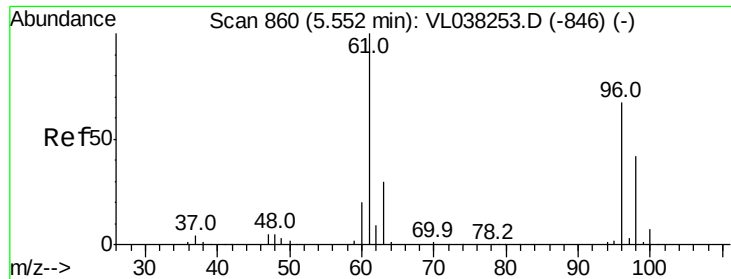
Ion Ratio Lower Upper

84 100

56 173.9 112.7 169.1#

41 95.0 71.1 106.7





#31

cis-1,2-Dichloroethene

Concen: 1.730 ppbv

RT: 5.56 Instrument: MSVOA_1

Delta R.T. -0.00

Lab File: ClientSampleId: VSTDIC002

Acq: 24 Jan 2022 10:08

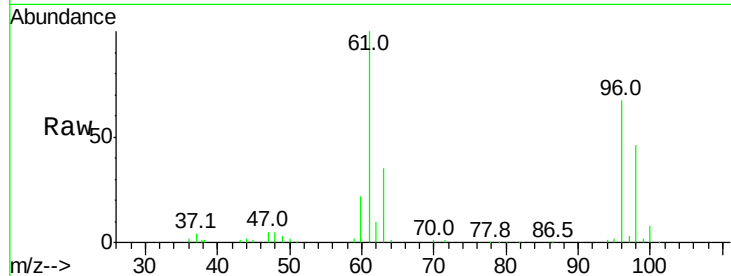
Tgt Ion: 61 Resp: 148326

Ion Ratio Lower Upper

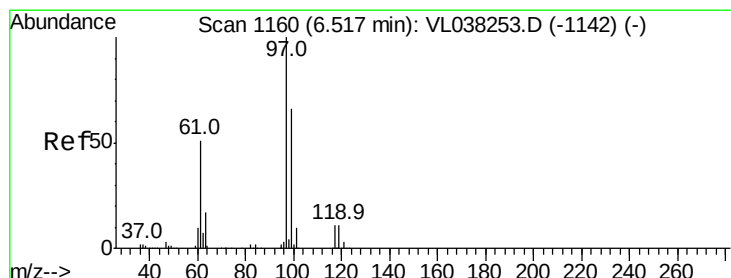
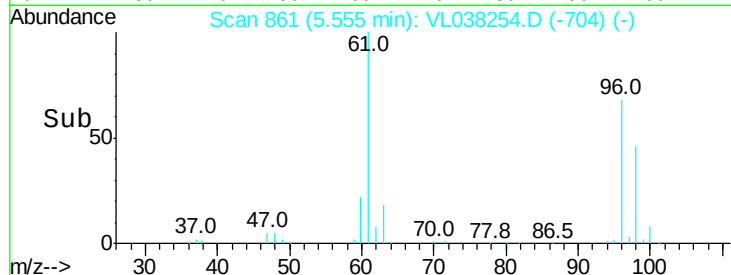
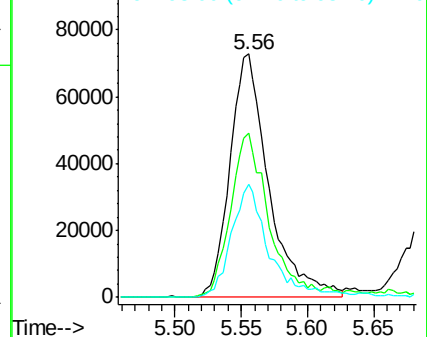
61 100

96 67.2 53.3 79.9

98 46.4 33.7 50.5



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: 2.042 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

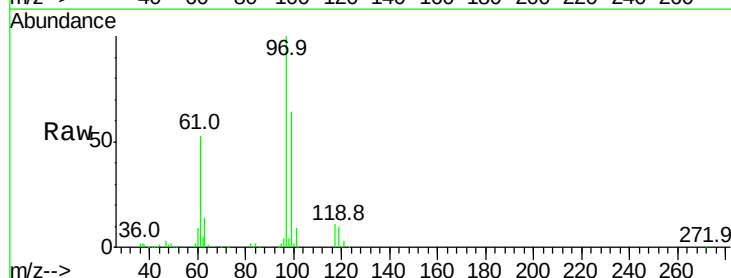
Tgt Ion: 97 Resp: 328692

Ion Ratio Lower Upper

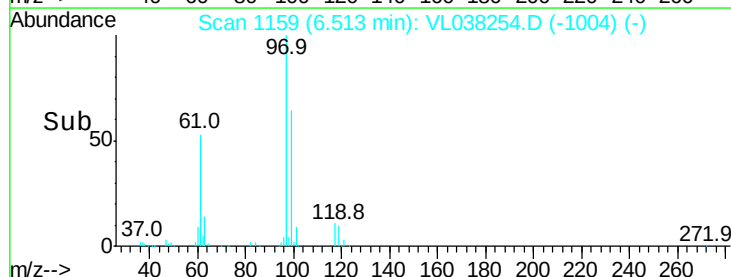
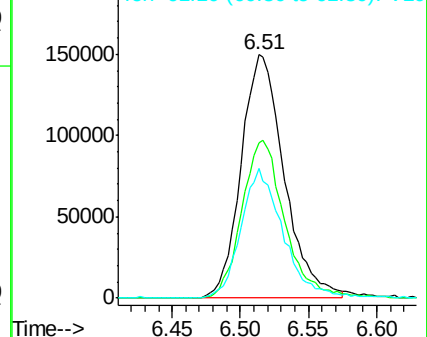
97 100

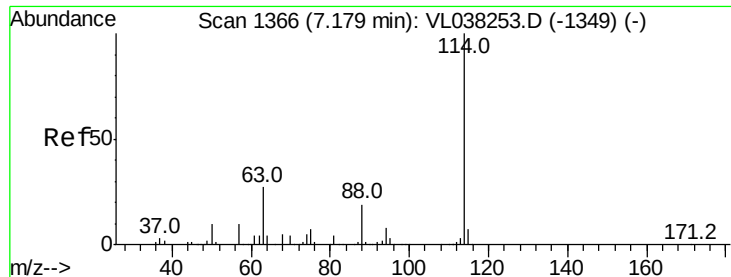
99 64.8 51.5 77.3

61 52.3 40.5 60.7



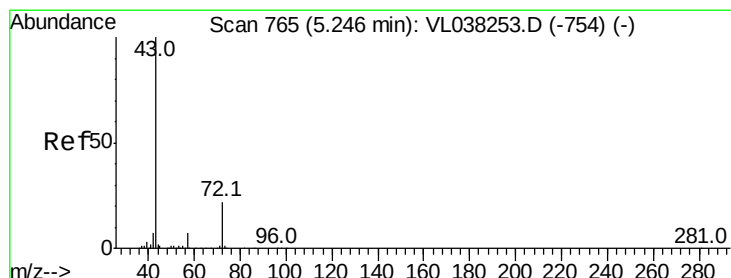
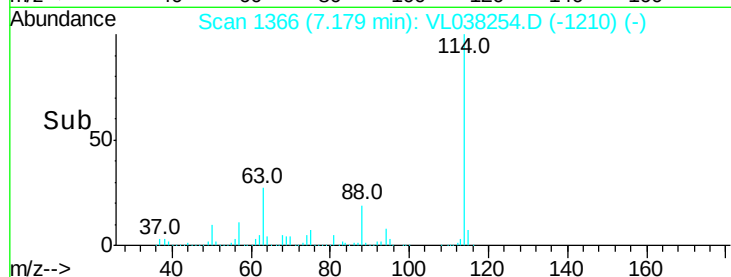
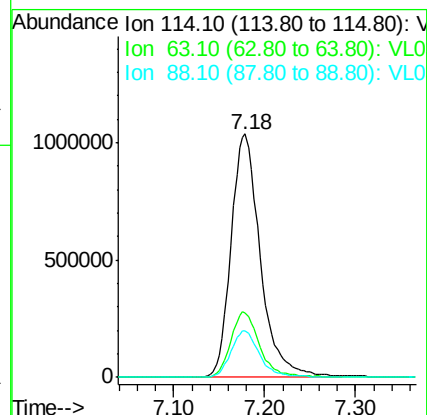
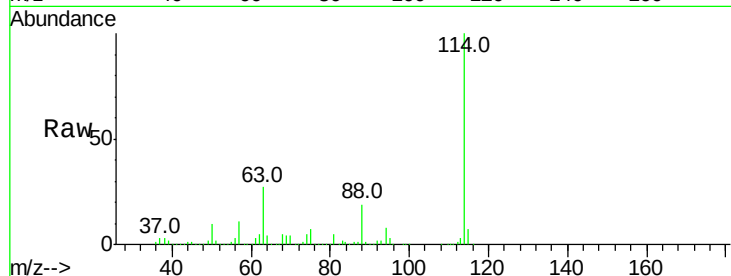
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





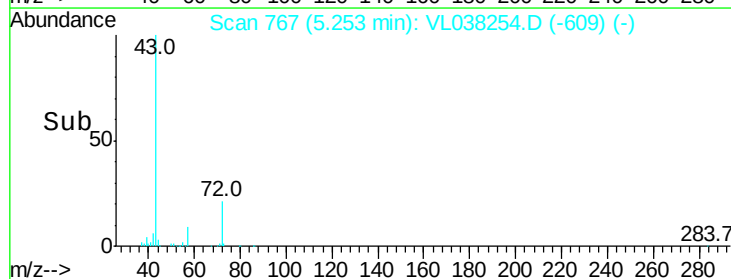
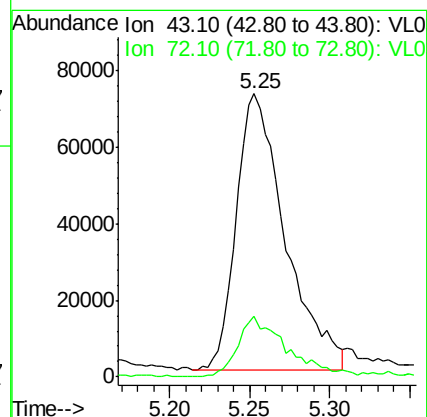
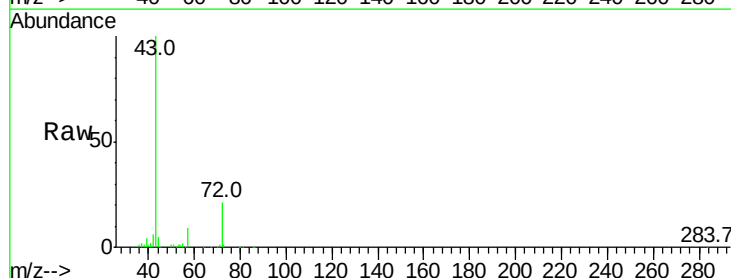
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 24 Jan 2022 10:08

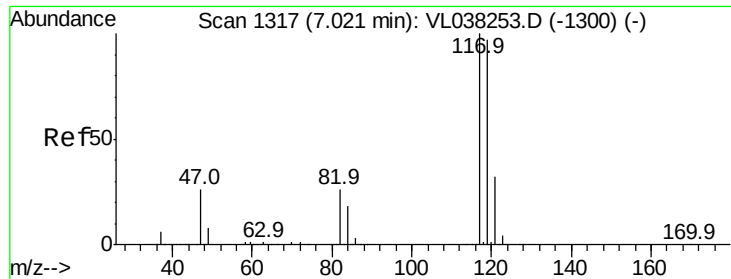
Tgt Ion: 114 Resp: 2319873
 Ion Ratio Lower Upper
 114 100
 63 26.9 22.0 33.0
 88 19.0 15.0 22.6



#34
 2-Butanone
 Concen: 2.177 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: VL038254.D
 Acq: 24 Jan 2022 10:08

Tgt Ion: 43 Resp: 151763
 Ion Ratio Lower Upper
 43 100
 72 23.1 18.1 27.1





#35

Carbon Tetrachloride

Concen: 2.385 ppbv

RT: 7.02 Instrument: MSVOA_1

Delta R.T. -0.00

Lab File: ClientSampleId: VSTDIC002

Acq: 24 Jan 2022 10:08

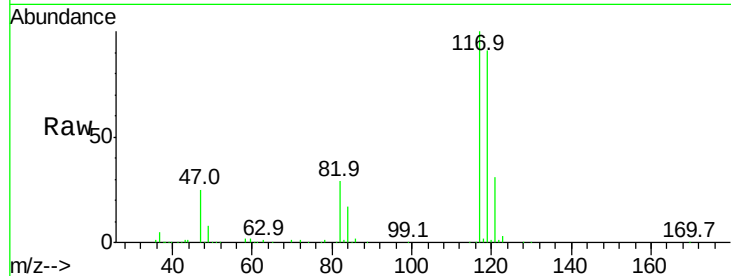
Tgt Ion: 117 Resp: 341593

Ion Ratio Lower Upper

117 100

119 91.2 77.9 116.9

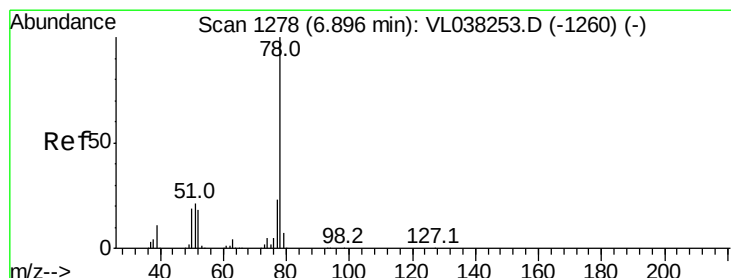
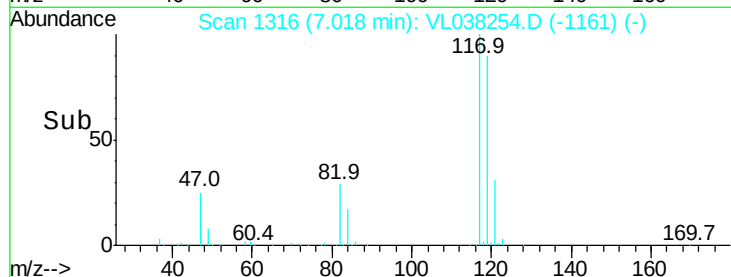
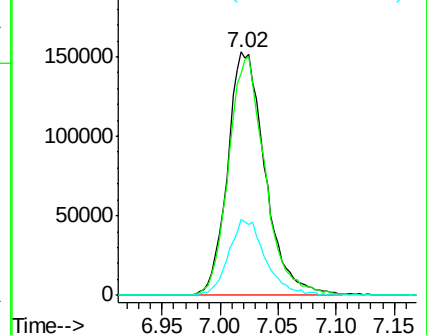
121 31.2 25.4 38.2



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: 2.043 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

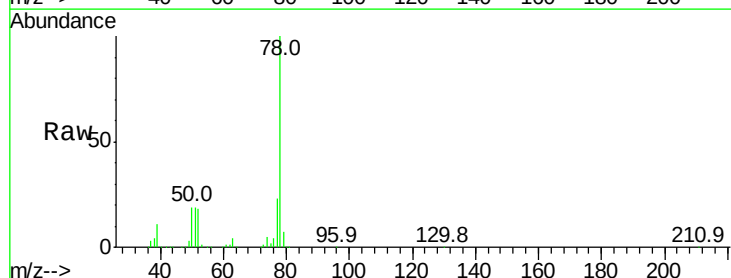
Tgt Ion: 78 Resp: 442170

Ion Ratio Lower Upper

78 100

77 22.5 18.2 27.2

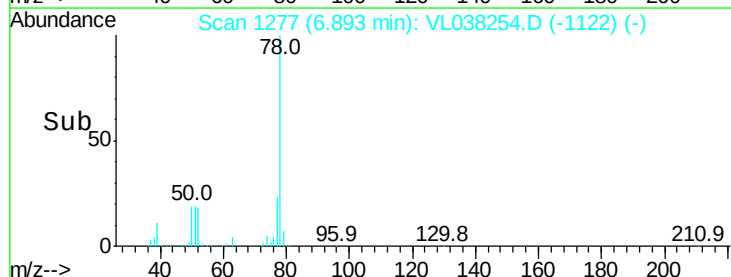
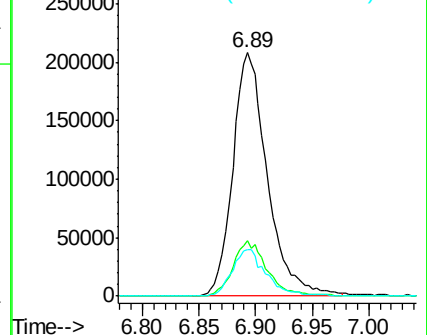
50 19.0 15.1 22.7

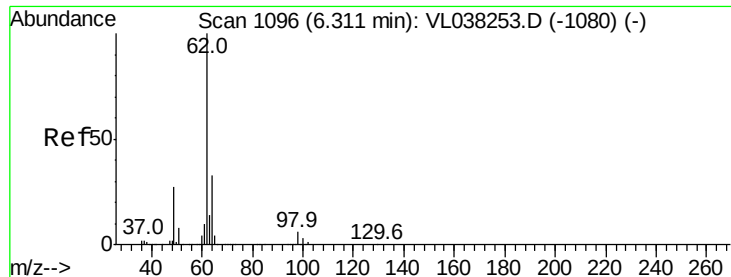


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

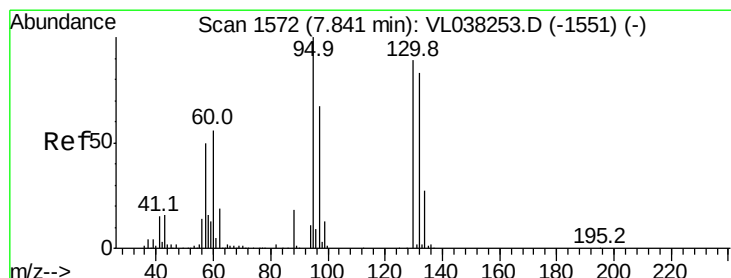
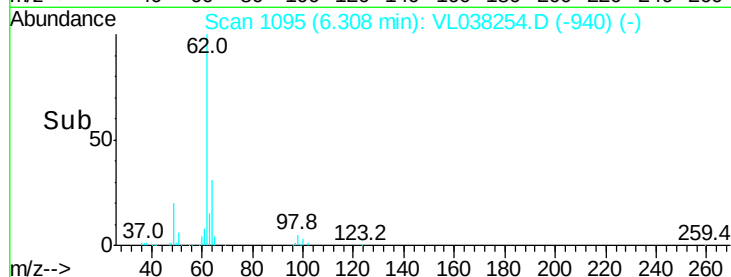
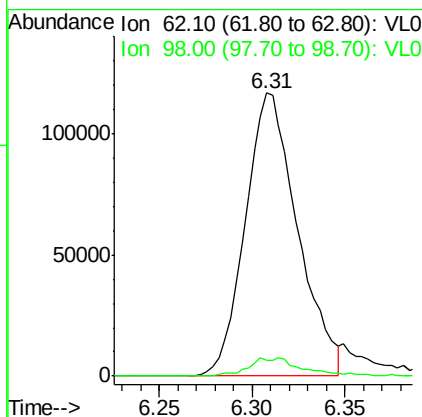
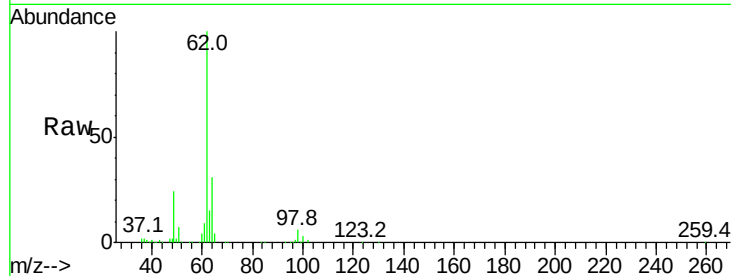
Ion 50.10 (49.80 to 50.80): VL0





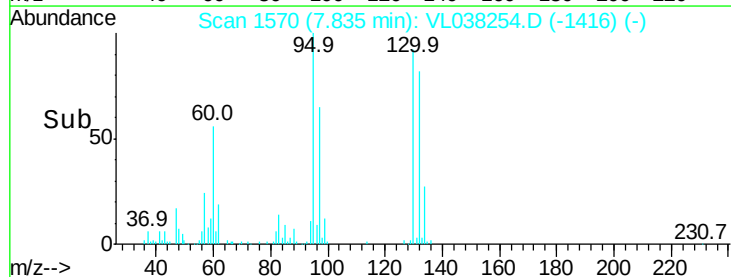
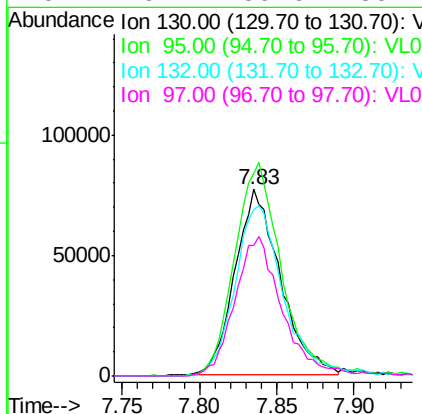
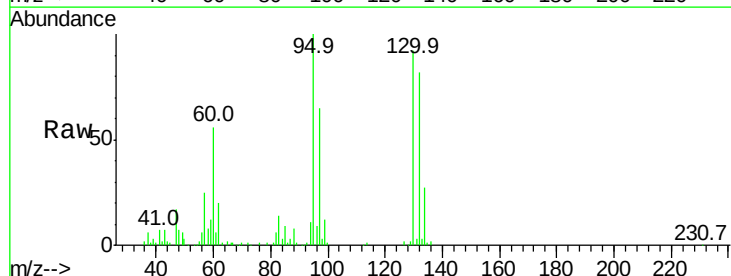
#37
 1,2-Dichloroethane
 Concen: 2.117 ppbv
 RT: 6.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 24 Jan 2022 10:08

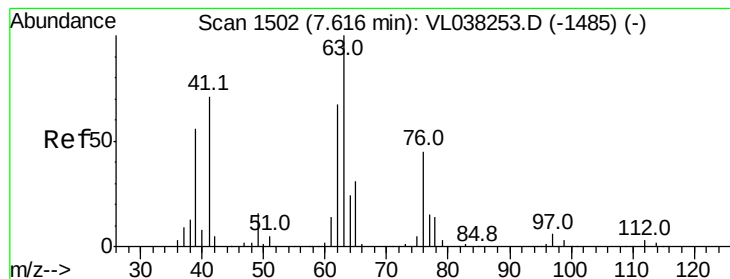
Tgt Ion: 62 Resp: 229905
 Ion Ratio Lower Upper
 62 100
 98 6.9 4.5 6.7#



#38
 Trichloroethene
 Concen: 1.910 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL038254.D
 Acq: 24 Jan 2022 10:08

Tgt Ion: 130 Resp: 157311
 Ion Ratio Lower Upper
 130 100
 95 108.3 89.4 134.2
 132 88.9 74.6 111.8
 97 70.1 59.6 89.4





#39

1,2-Dichloropropane

Concen: 2.117 ppbv

RT: 7.62 Instrument: MSVOA_1

Delta R.T. 0.01

Lab File: ClientSampleId: VSTDIC002

Acq: 24 Jan 2022 10:08

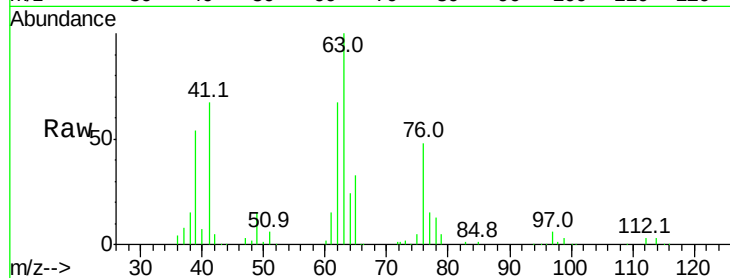
Tgt Ion: 63 Resp: 176300

Ion Ratio Lower Upper

63 100

41 67.3 56.6 85.0

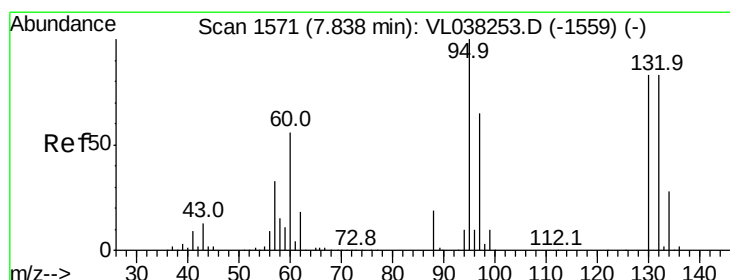
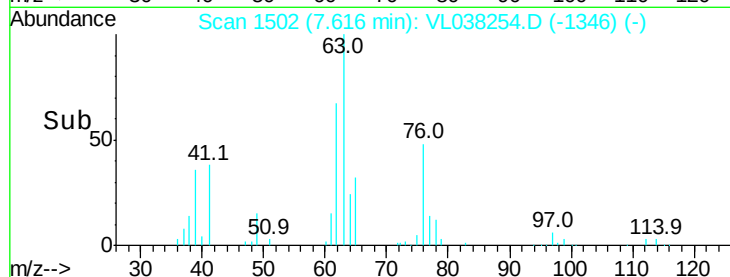
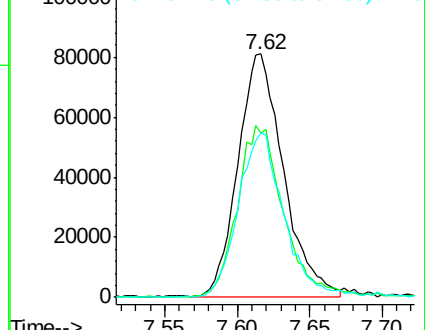
62 67.3 53.9 80.9



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: 0.512 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

Tgt Ion: 88 Resp: 12398

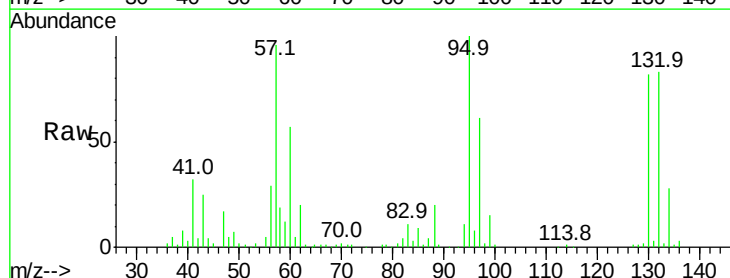
Ion Ratio Lower Upper

88 100

58 0.0 138.6 208.0#

43 0.0 346.9 520.3#

57 0.0 1527.9 2291.9#

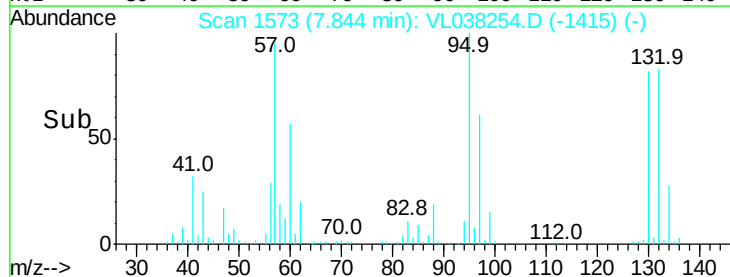
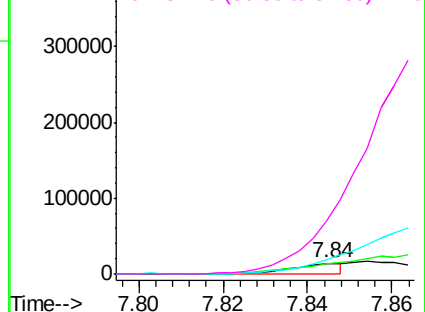


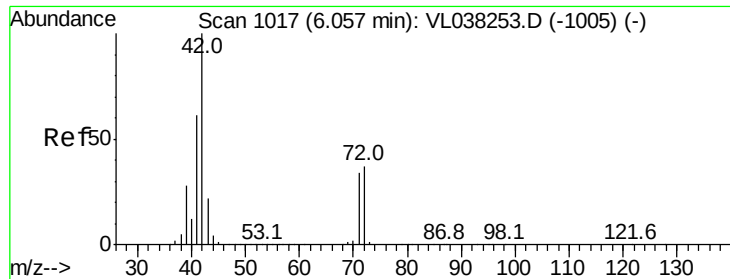
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 2.040 ppbv

RT: 6.07 Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: ClientSampleId: VSTDIC002

Acq: 24 Jan 2022 10:08

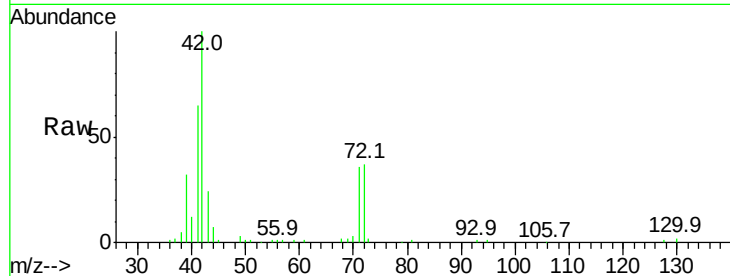
Tgt Ion: 42 Resp: 104195

Ion Ratio Lower Upper

42 100

72 38.8 29.7 44.5

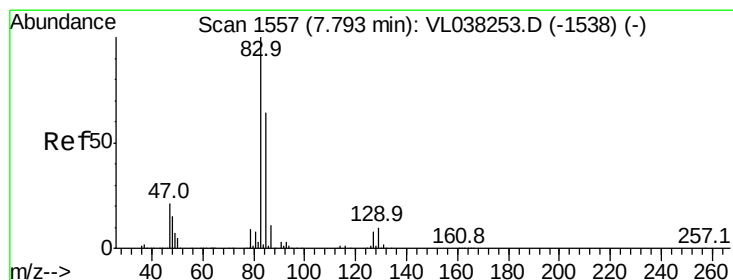
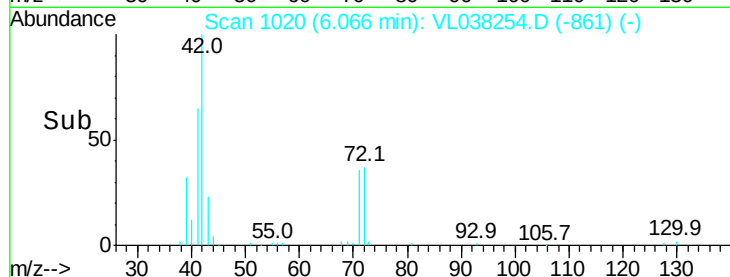
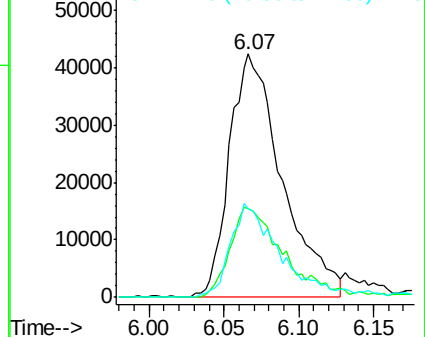
71 38.4 29.4 44.2



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 2.384 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

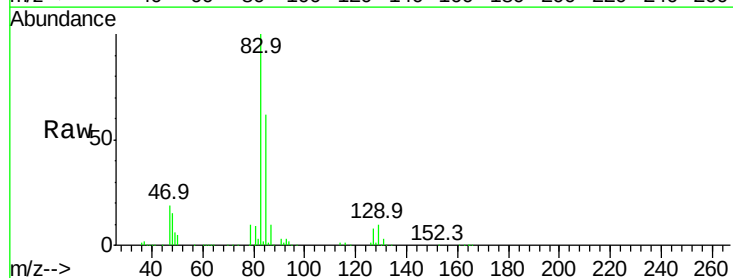
Tgt Ion: 83 Resp: 368245

Ion Ratio Lower Upper

83 100

85 61.7 51.5 77.3

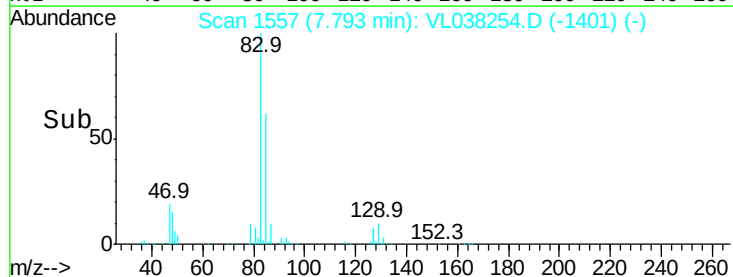
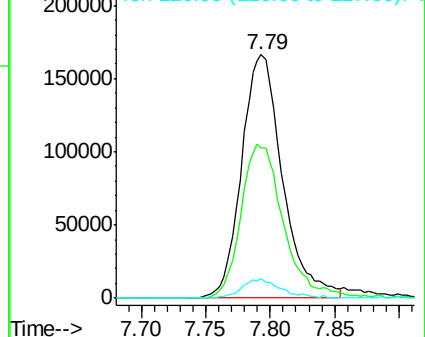
127 7.9 6.2 9.4

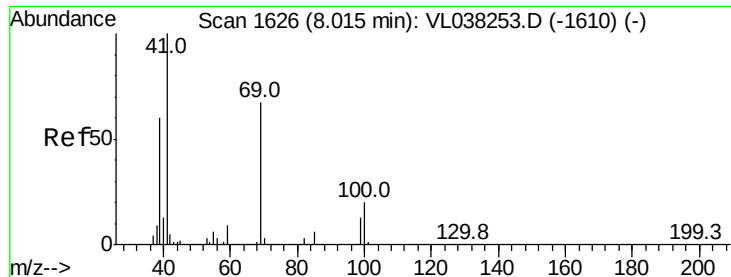


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

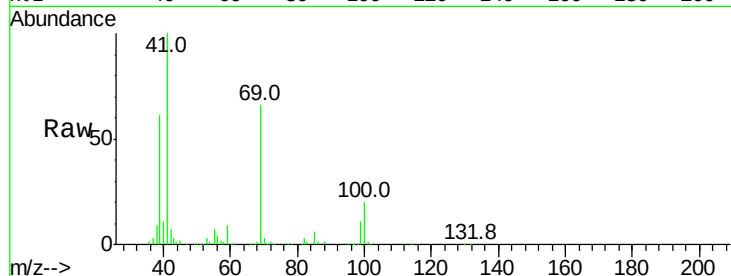
Ion 126.90 (126.60 to 127.60): V



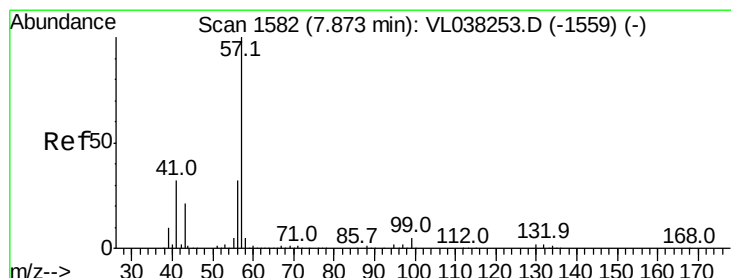
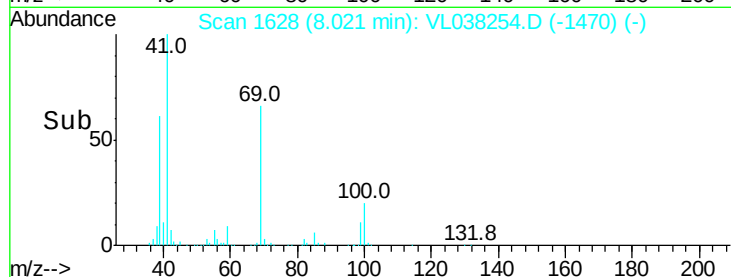
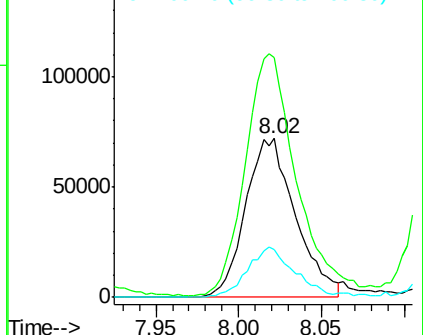


#43
Methyl Methacrylate
Concen: 2.030 ppbv
RT: 8.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC002
Acq: 24 Jan 2022 10:08

Tgt Ion	Ratio	Lower	Upper
69	100		
41	157.6	120.9	181.3
100	30.8	23.4	35.0

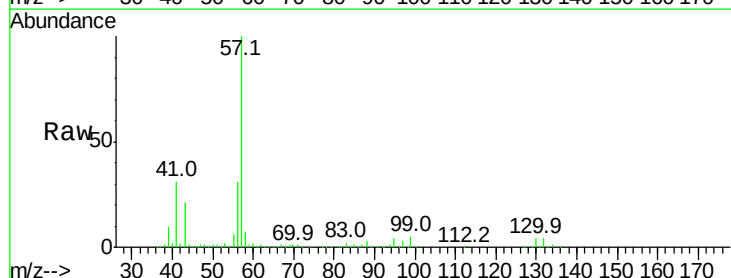


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

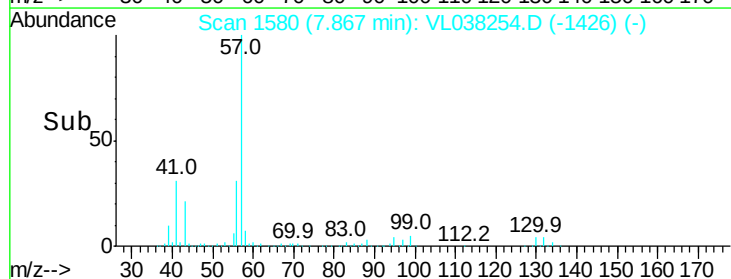
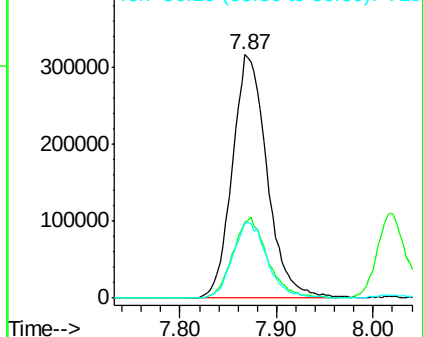


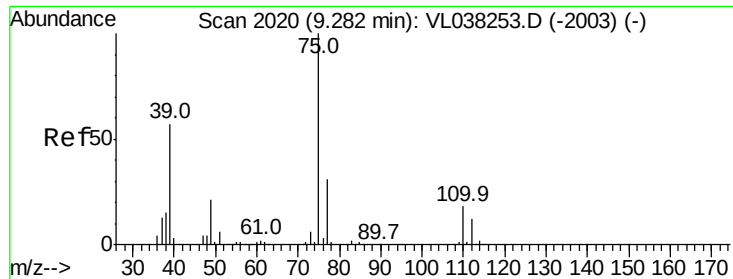
#44
2,2,4-Trimethylpentane
Concen: 2.146 ppbv
RT: 7.87 min Scan# 1580
Delta R.T.: -0.01 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.3	39.5
56	31.1	25.2	37.8



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: 2.103 ppbv

RT: 9.28 Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: ClientSampleId: VSTDIC002

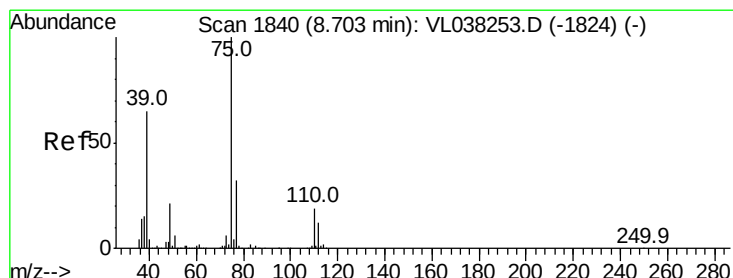
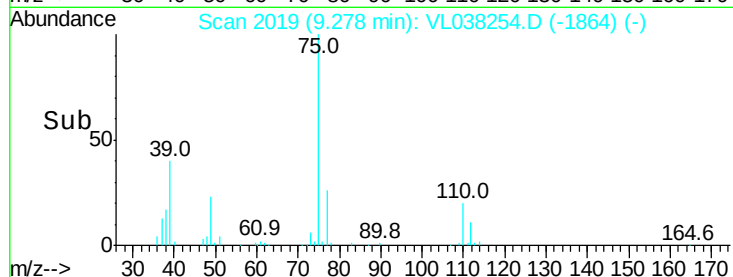
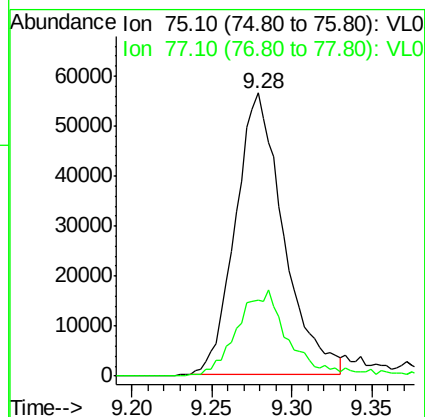
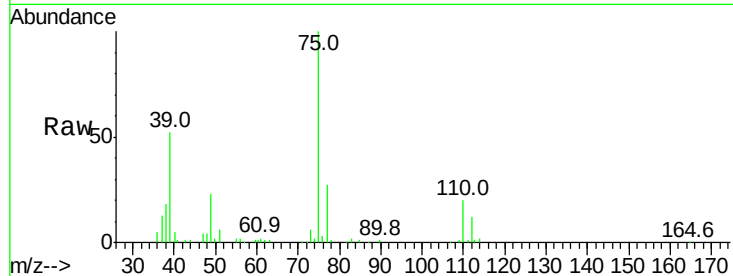
Acq: 24 Jan 2022 10:08

Tgt Ion: 75 Resp: 115908

Ion Ratio Lower Upper

75 100

77 27.1 24.9 37.3



#46

cis-1,3-Dichloropropene

Concen: 2.072 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

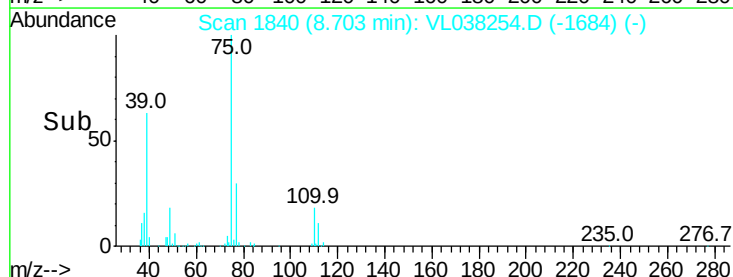
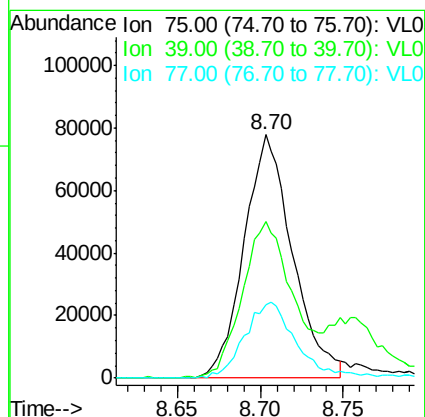
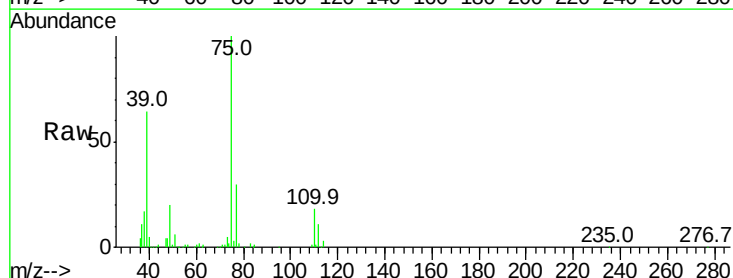
Tgt Ion: 75 Resp: 158040

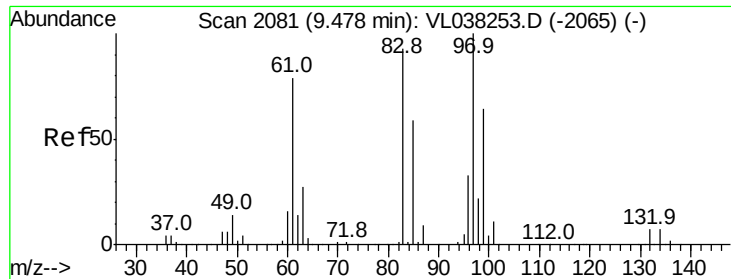
Ion Ratio Lower Upper

75 100

39 63.7 52.3 78.5

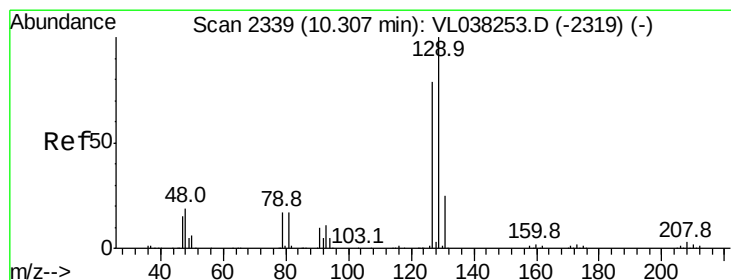
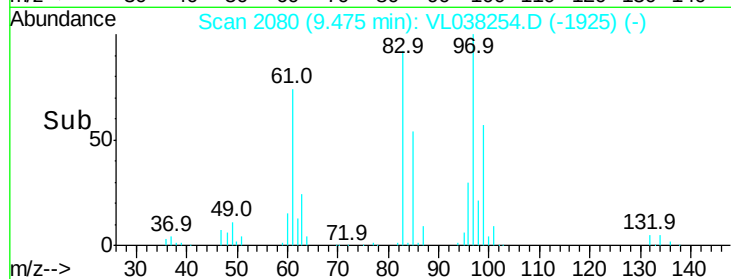
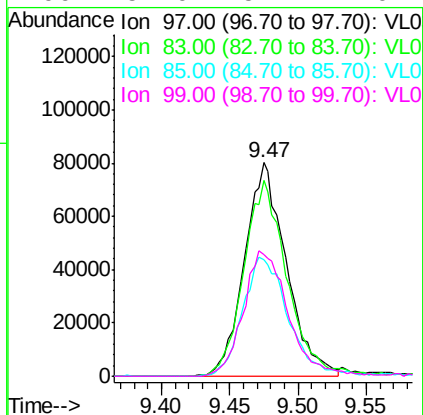
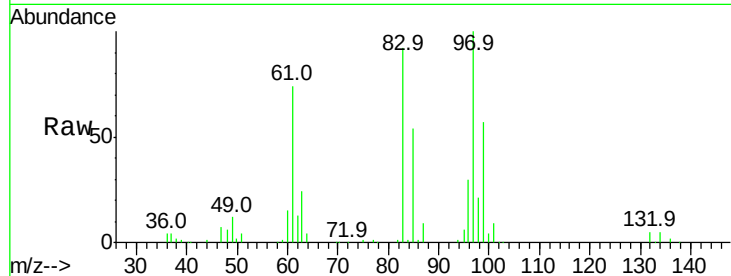
77 30.2 25.4 38.0





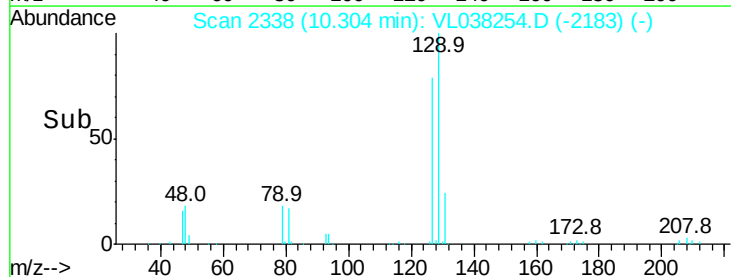
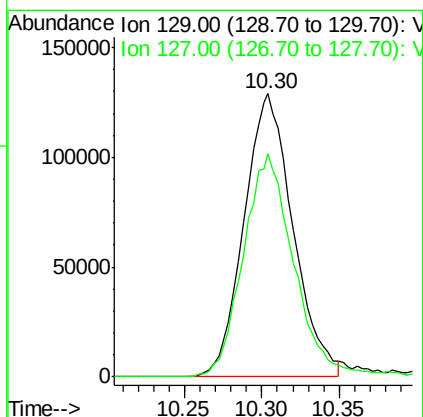
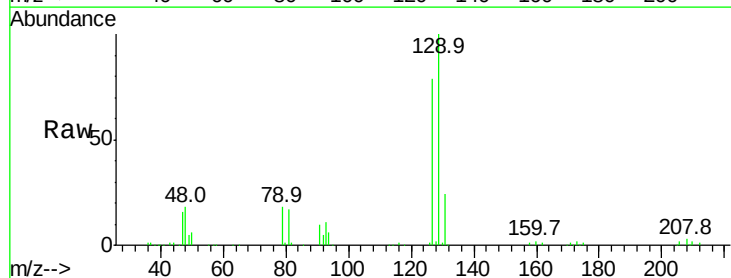
#47
 1,1,2-Trichloroethane
 Concen: 1.973 ppbv
 RT: 9.47
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 24 Jan 2022 10:08

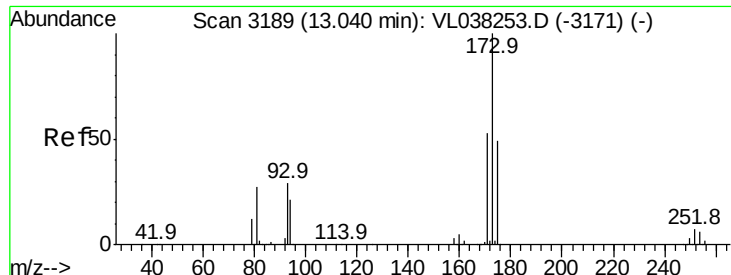
Tgt Ion:	97	Resp:	170507
Ion	Ratio	Lower	Upper
97	100		
83	91.7	74.3	111.5
85	54.4	47.5	71.3
99	57.0	51.1	76.7



#48
 Dibromochloromethane
 Concen: 2.334 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.00 min
 Lab File: VL038254.D
 Acq: 24 Jan 2022 10:08

Tgt Ion:	129	Resp:	283715
Ion	Ratio	Lower	Upper
129	100		
127	83.1	39.1	117.3





#49

Bromoform

Concen: 1.204 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Jan 2022 10:08

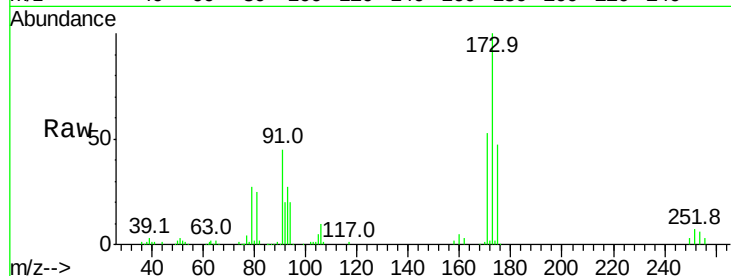
Tgt Ion: 173 Resp: 103988

Ion Ratio Lower Upper

173 100

175 103.1 39.7 59.5#

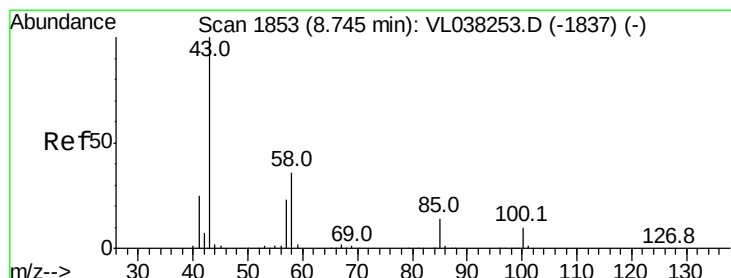
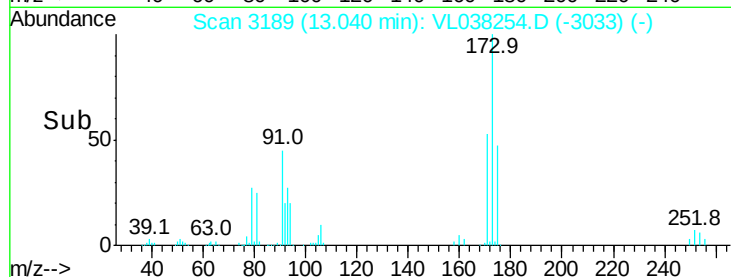
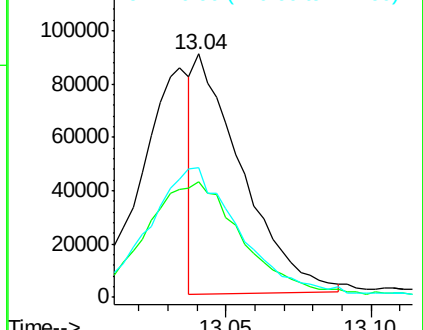
171 110.2 42.1 63.1#



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: 2.242 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL038254.D

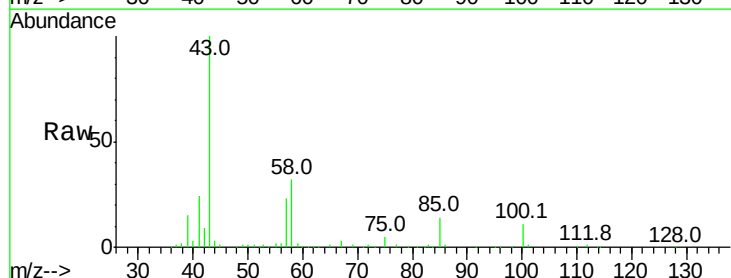
Acq: 24 Jan 2022 10:08

Tgt Ion: 43 Resp: 284221

Ion Ratio Lower Upper

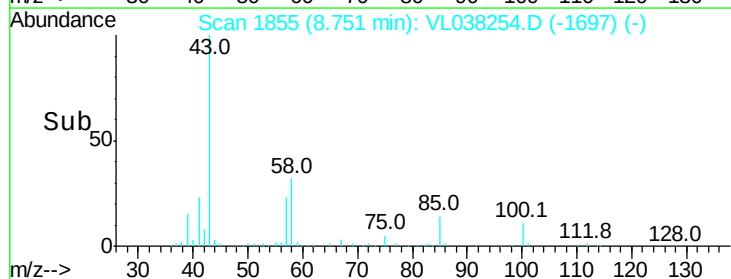
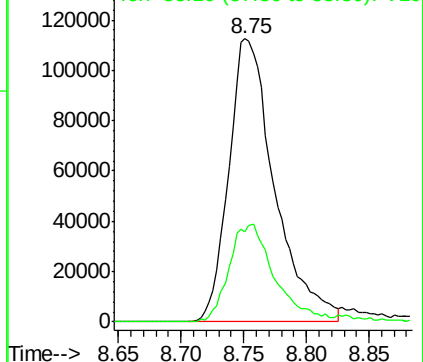
43 100

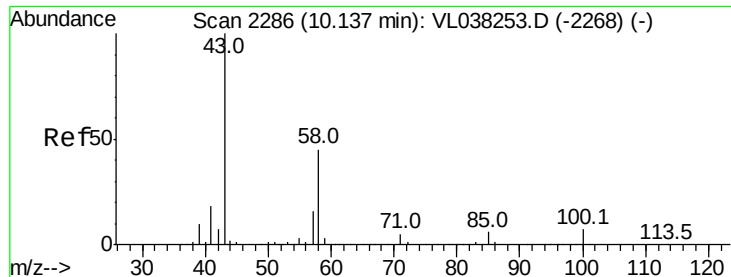
58 34.5 28.2 42.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 1.950 ppbv

RT: 10.15

Delta R.T. MSVOA_1

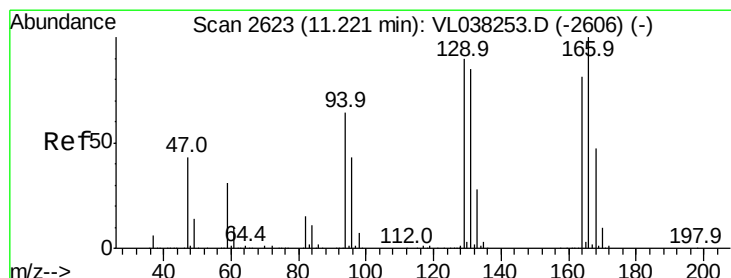
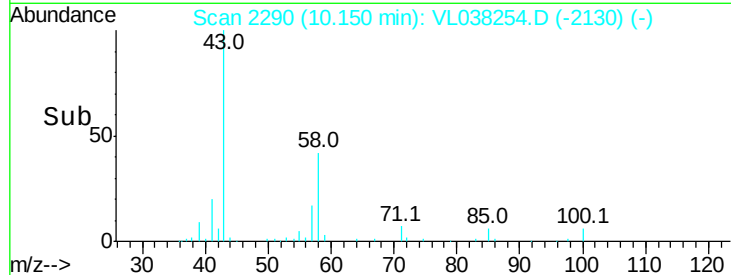
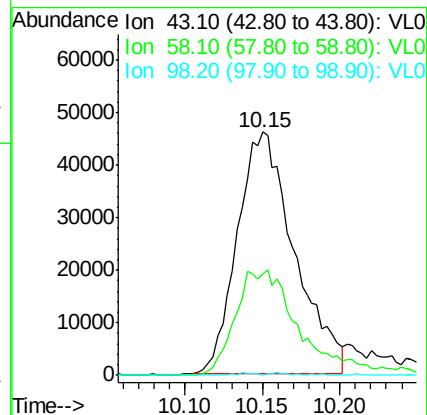
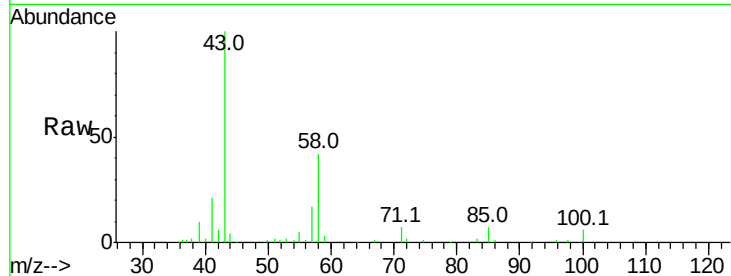
Lab File: ClientSampleId:

Acq: 24 Jan 2022 10:08

Tgt Ion: 43 Resp: 118348

Ion Ratio Lower Upper

43	100		
58	51.6	37.0	55.4
98	0.8	0.2	0.2#



#52

Tetrachloroethene

Concen: 1.783 ppbv

RT: 11.22 min Scan# 2623

Delta R.T. 0.00 min

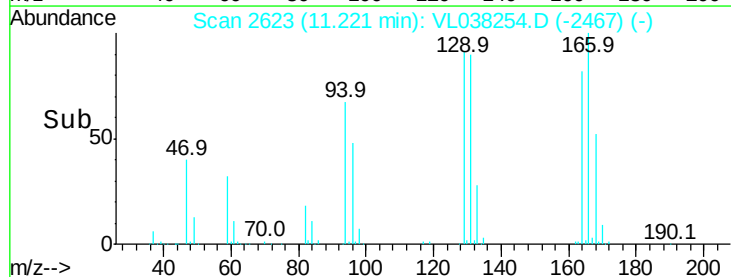
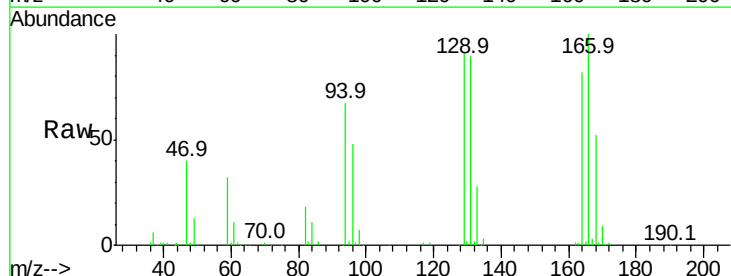
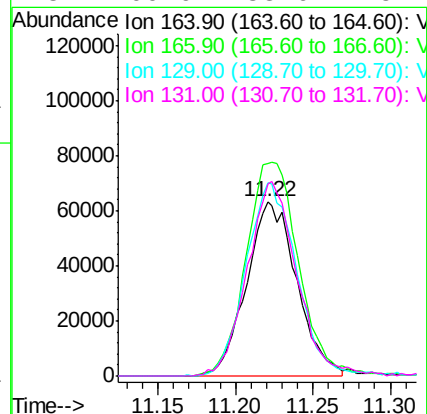
Lab File: VL038254.D

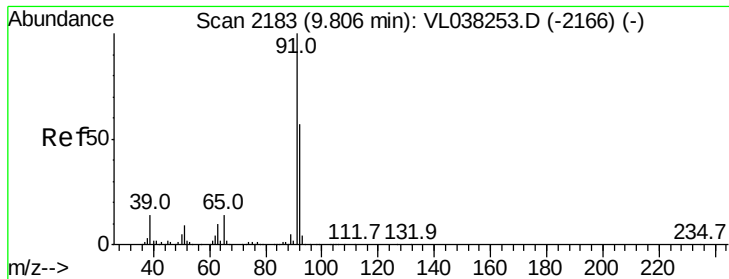
Acq: 24 Jan 2022 10:08

Tgt Ion: 164 Resp: 142439

Ion Ratio Lower Upper

164	100		
166	121.1	98.8	148.2
129	110.5	89.2	133.8
131	109.9	83.6	125.4





#53

Toluene

Concen: 1.960 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

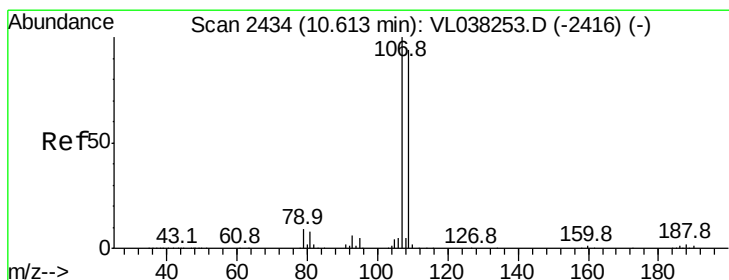
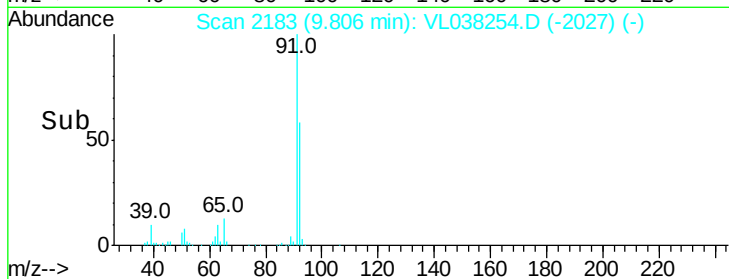
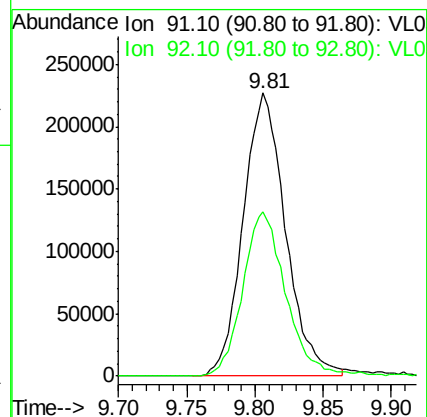
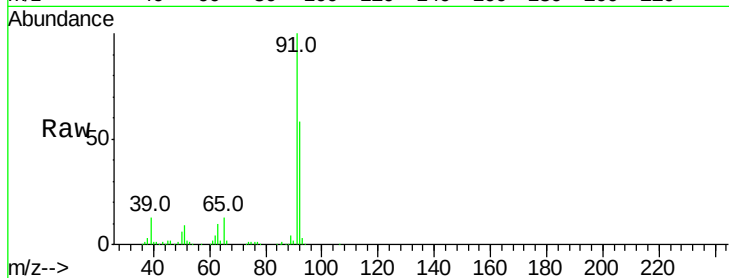
Acq: 24 Jan 2022 10:08 VSTDIC002

Tgt Ion: 91 Resp: 489480

Ion Ratio Lower Upper

91 100

92 59.7 47.4 71.0



#54

1,2-Dibromoethane

Concen: 1.977 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.00 min

Lab File: VL038254.D

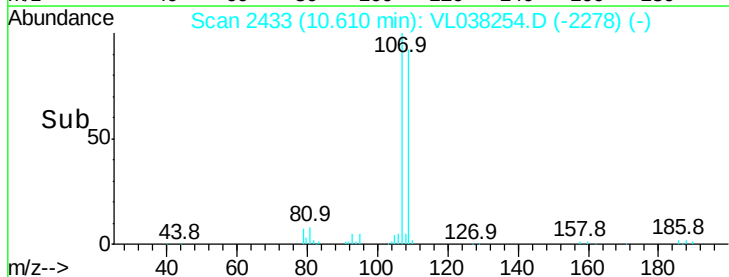
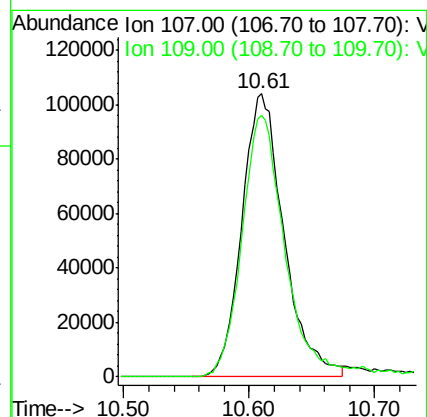
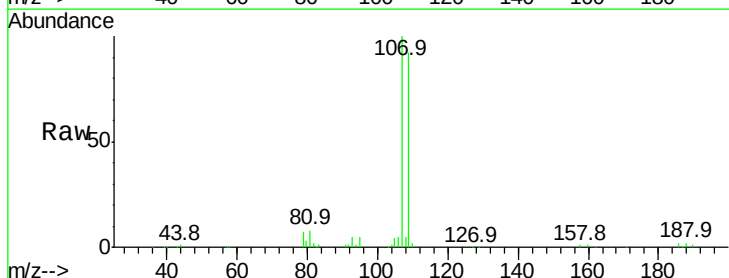
Acq: 24 Jan 2022 10:08

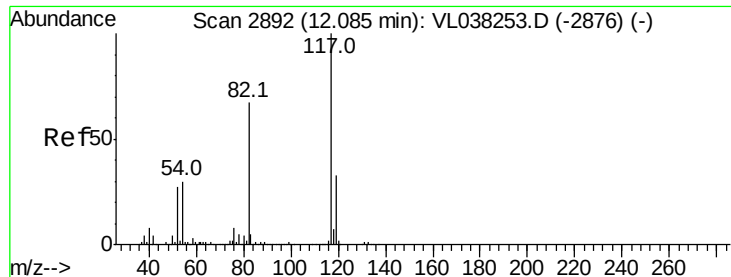
Tgt Ion: 107 Resp: 242404

Ion Ratio Lower Upper

107 100

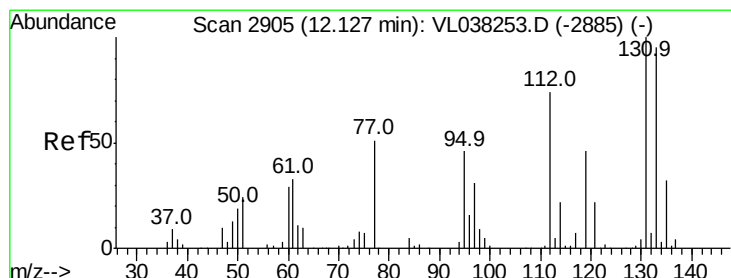
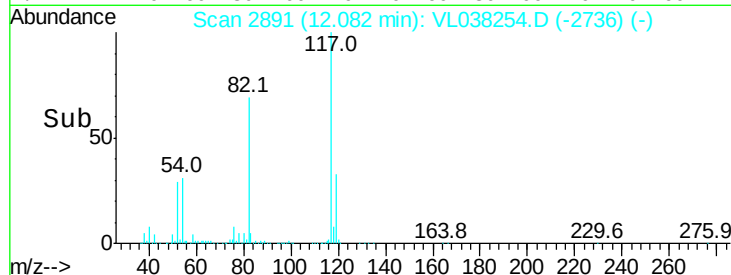
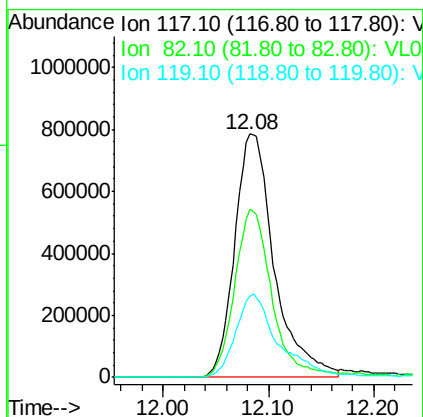
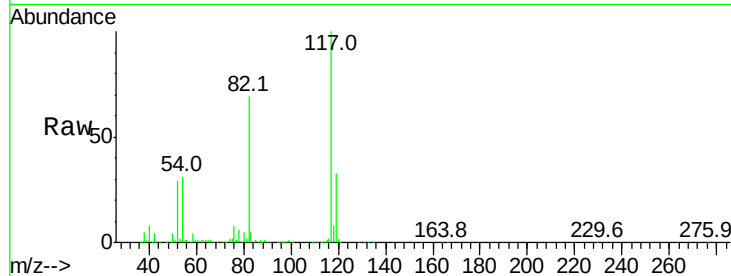
109 92.5 75.4 113.0





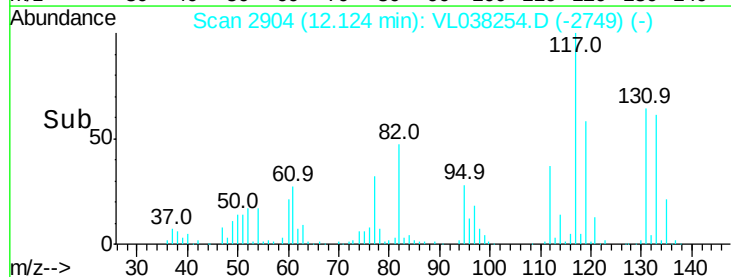
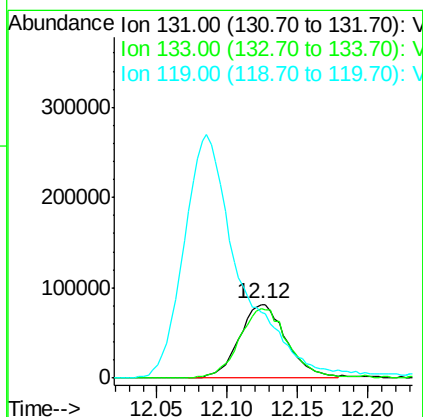
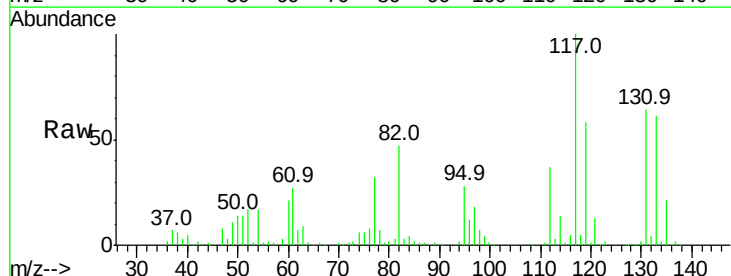
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VSTDIC002
Acq: 24 Jan 2022 10:08

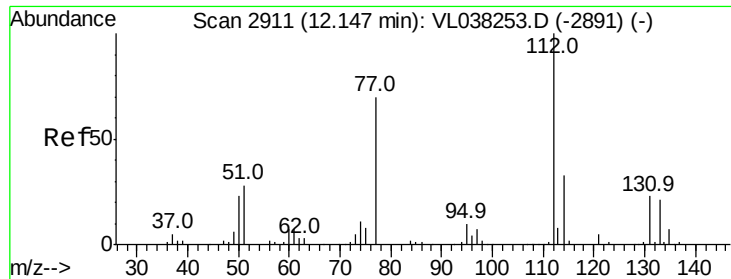
Tgt Ion:117 Resp: 2052150
Ion Ratio Lower Upper
117 100
82 67.7 54.4 81.6
119 38.0 45.9 68.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 2.230 ppbv
RT: 12.12 min Scan# 2904
Delta R.T.: -0.00 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08

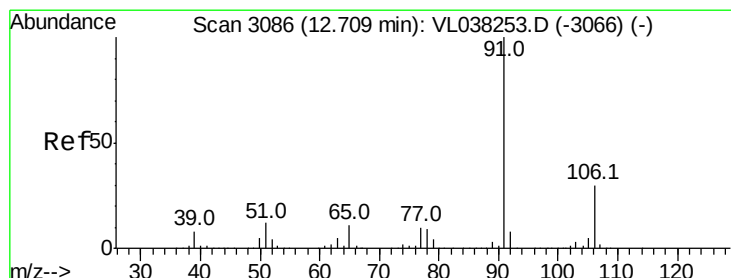
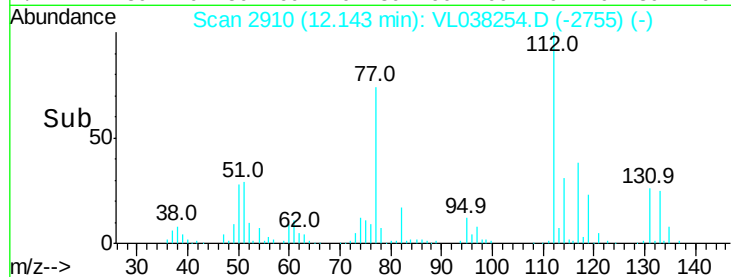
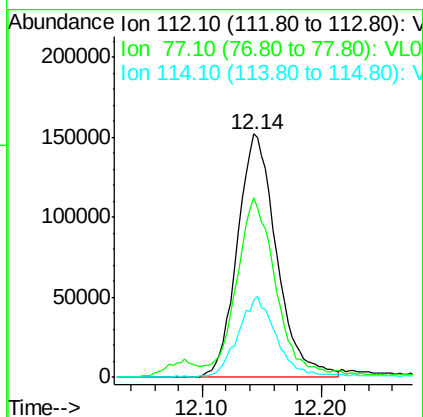
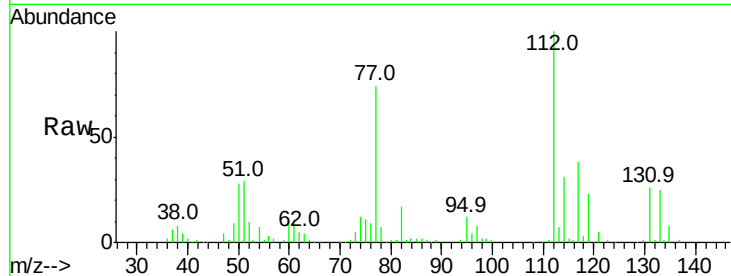
Tgt Ion:131 Resp: 190317
Ion Ratio Lower Upper
131 100
133 98.6 76.0 114.0
119 410.1 53.0 79.4#





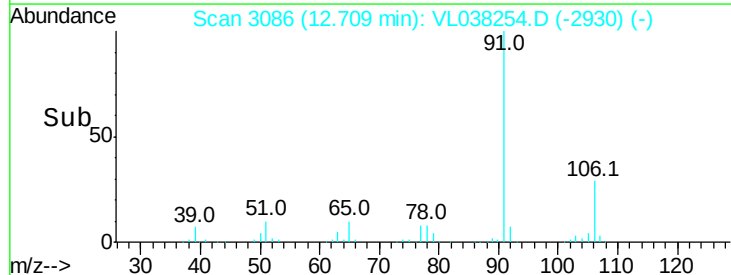
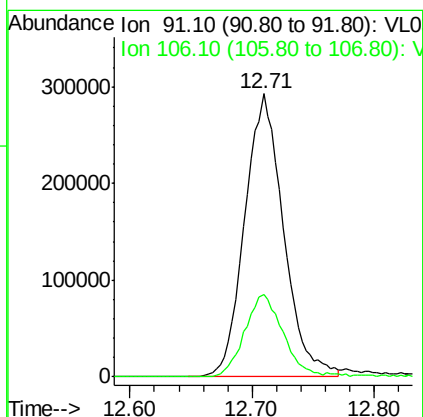
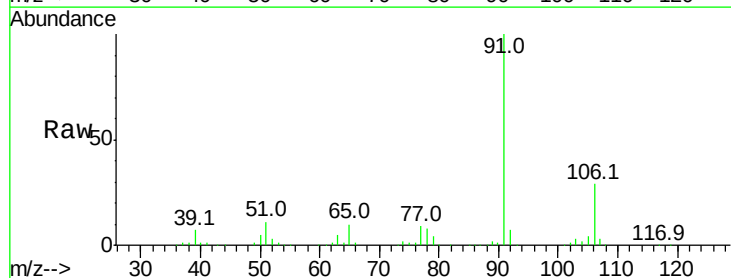
#57
Chlorobenzene
Concen: 1.959 ppbv
RT: 12.14 min
Delta R.T. 0.00 min
Lab File: VSTDIC002
Acq: 24 Jan 2022 10:08

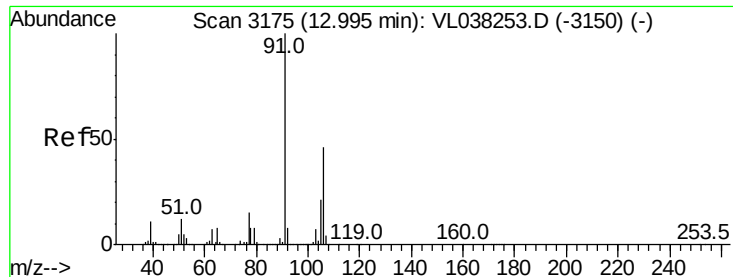
Tgt Ion: 112 Resp: 348576
Ion Ratio Lower Upper
112 100
77 71.1 55.9 83.9
114 31.1 29.3 35.9



#58
Ethyl Benzene
Concen: 2.018 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08

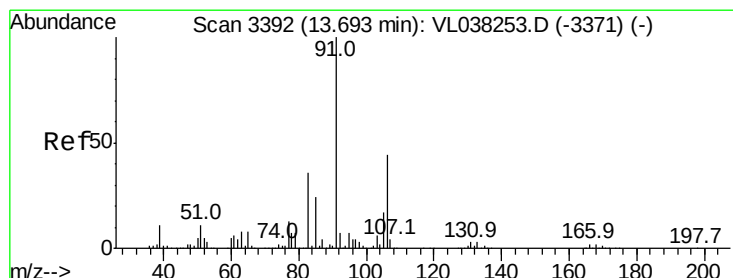
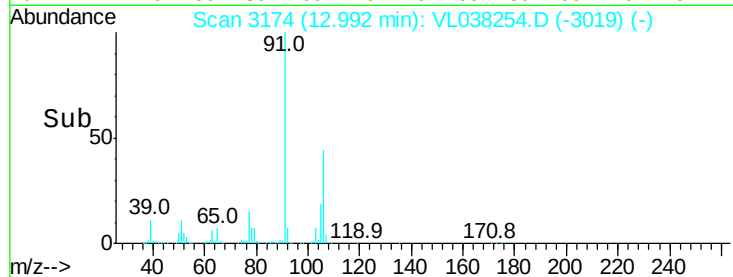
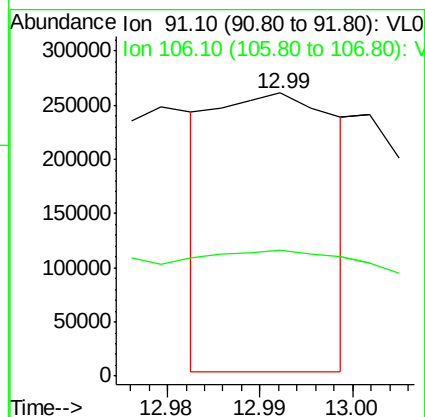
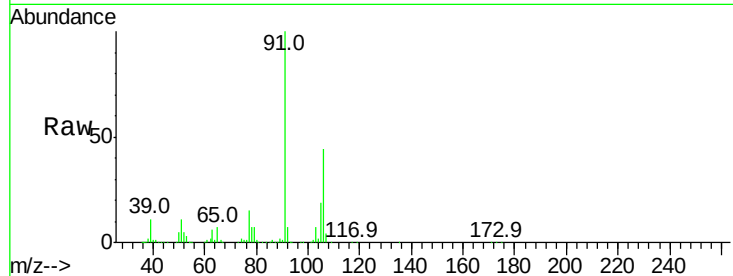
Tgt Ion: 91 Resp: 642795
Ion Ratio Lower Upper
91 100
106 29.0 24.1 36.1





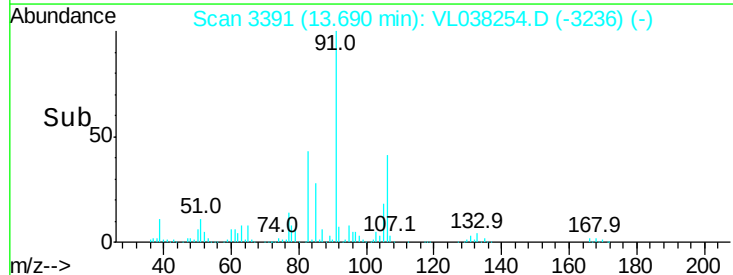
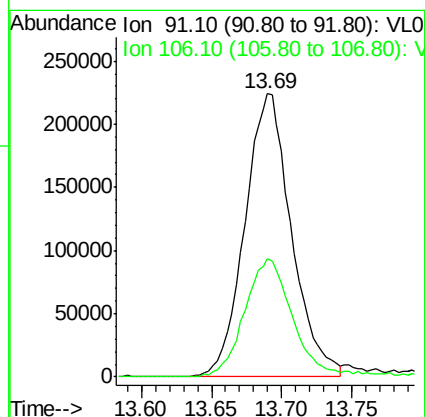
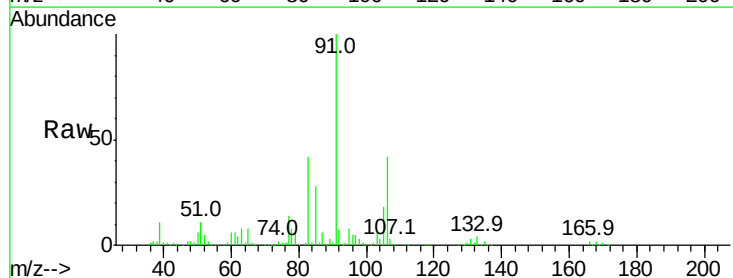
#59
m/p-Xylene
Concen: 0.870 ppbv
RT: 12.99 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Jan 2022 10:08

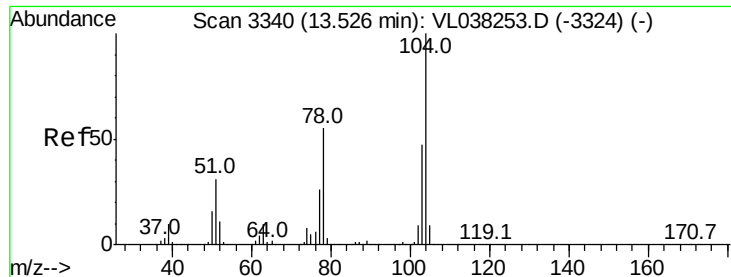
Tgt Ion: 91 Resp: 236941
Ion Ratio Lower Upper
91 100
106 199.2 34.8 52.2#



#60
o-Xylene
Concen: 2.029 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.00 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08

Tgt Ion: 91 Resp: 512139
Ion Ratio Lower Upper
91 100
106 43.6 22.2 66.6





#61

Styrene

Concen: 1.879 ppbv

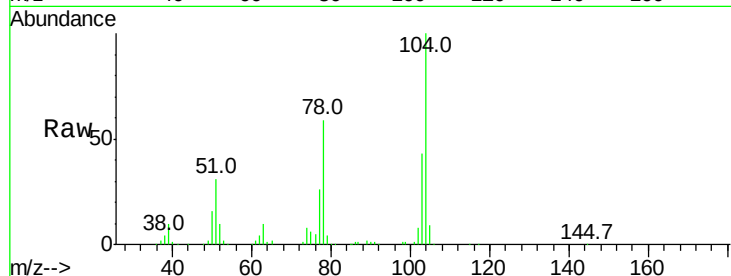
RT: 13.53

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Jan 2022 10:08

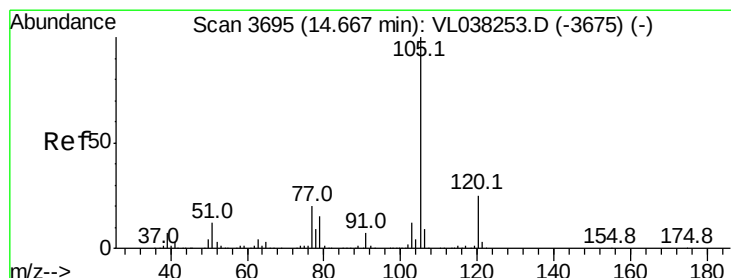
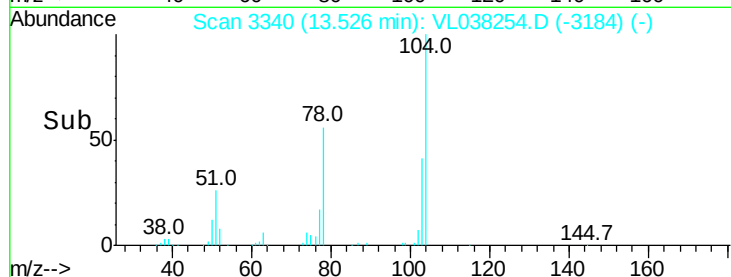
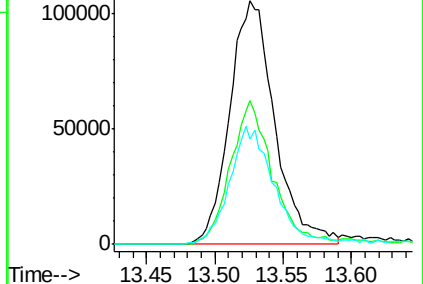
Tgt Ion:	104	Resp:	240209
Ion	Ratio	Lower	Upper
104	100		
78	57.1	44.2	66.4
103	47.6	38.2	57.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 1.987 ppbv

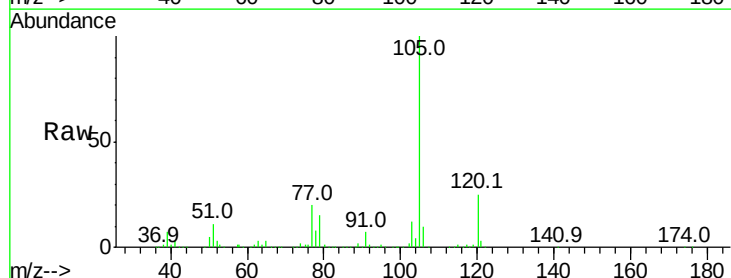
RT: 14.67 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VL038254.D

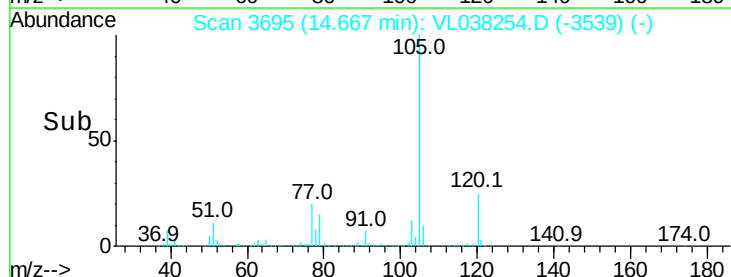
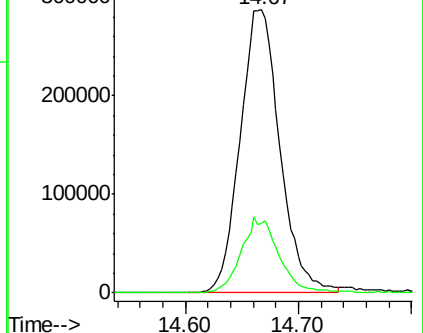
Acq: 24 Jan 2022 10:08

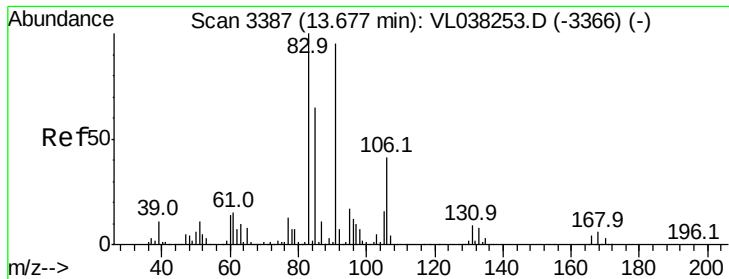
Tgt Ion:	105	Resp:	704253
Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.5	30.7



Abundance Ion 105.10 (104.80 to 105.80): V

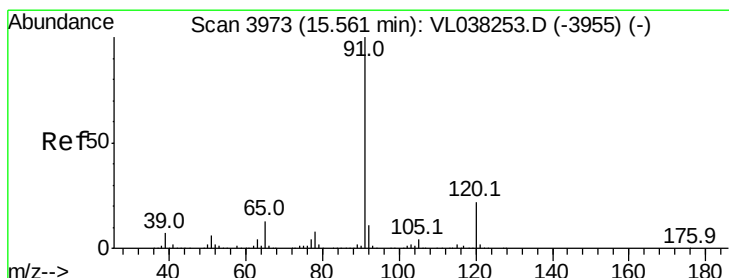
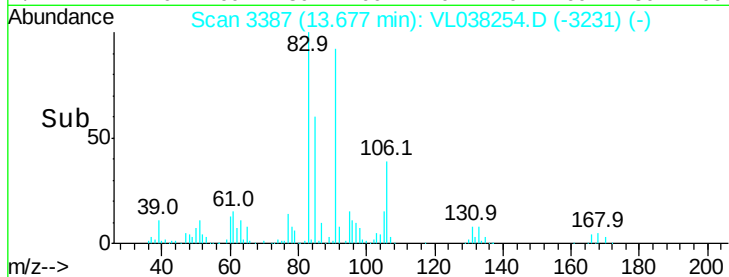
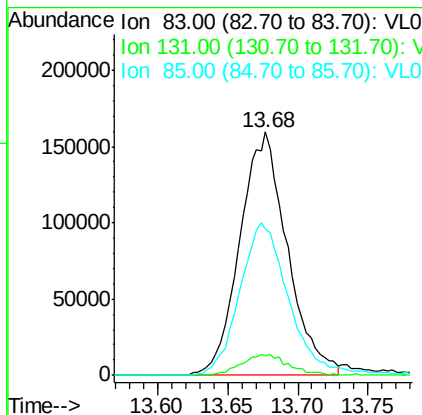
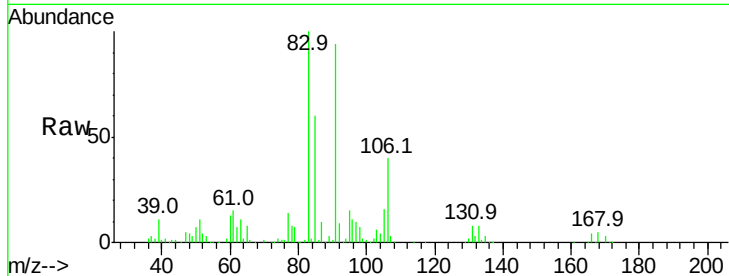
Ion 120.20 (119.90 to 120.90): V





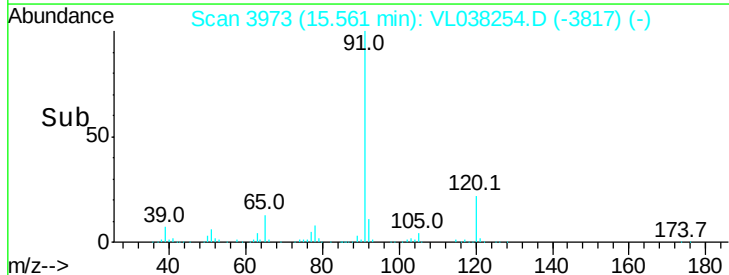
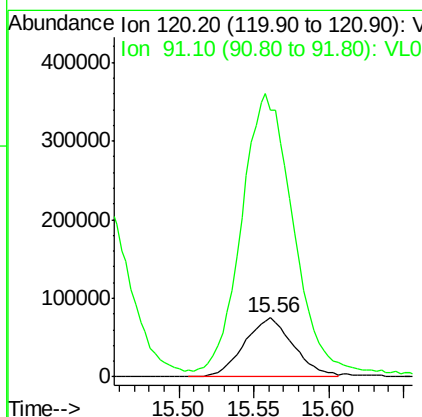
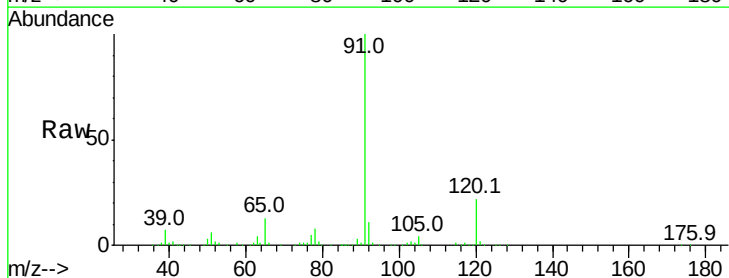
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.923 ppbv
 RT: 13.68 min
 Delta R.T. 0.00 min
 Lab File: VSTDIC002
 Acq: 24 Jan 2022 10:08

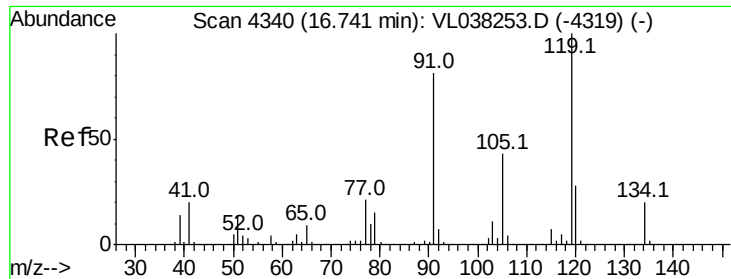
Tgt Ion: 83 Resp: 373193
 Ion Ratio Lower Upper
 83 100
 131 8.7 4.5 13.5
 85 65.6 32.8 98.4



#64
 n-propylbenzene
 Concen: 1.941 ppbv
 RT: 15.56 min Scan# 3973
 Delta R.T. 0.00 min
 Lab File: VL038254.D
 Acq: 24 Jan 2022 10:08

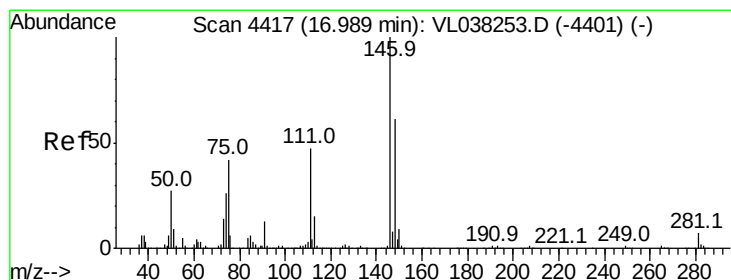
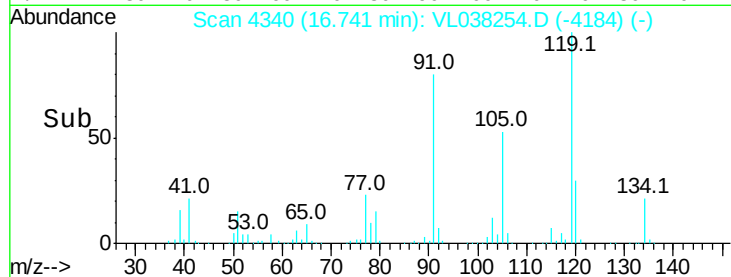
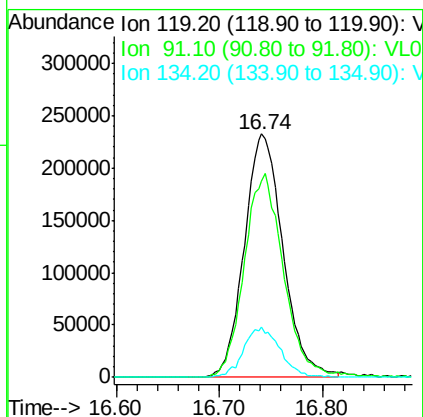
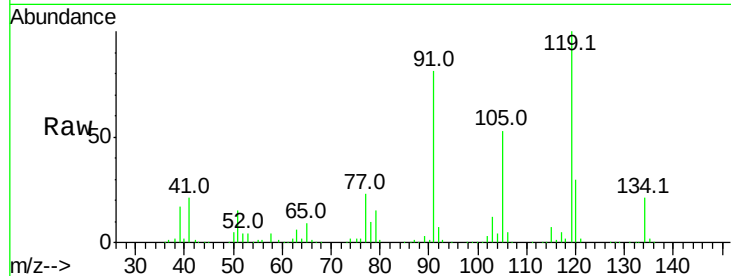
Tgt Ion: 120 Resp: 171040
 Ion Ratio Lower Upper
 120 100
 91 519.4 390.8 586.2





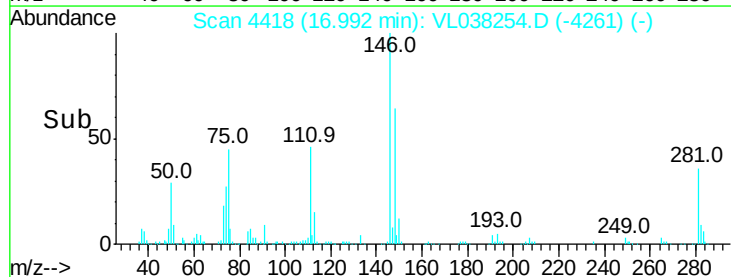
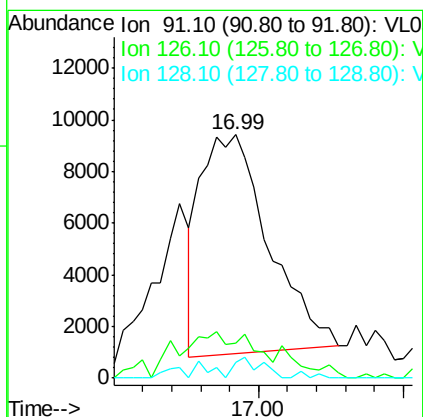
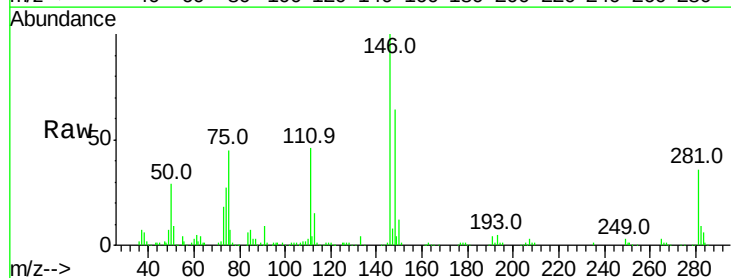
#65
 tert-Butylbenzene
 Concen: 1.943 ppbv
 RT: 16.74 min
 Delta R.T. 0.00 min
 Lab File: VSTDIC002
 Acq: 24 Jan 2022 10:08

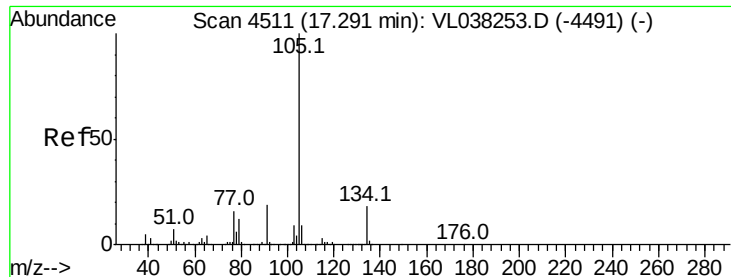
Tgt Ion: 119 Resp: 606112
 Ion Ratio Lower Upper
 119 100
 91 84.9 66.6 100.0
 134 19.7 15.8 23.6



#66
 Benzyl Chloride
 Concen: 1.188 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T. 0.00 min
 Lab File: VL038254.D
 Acq: 24 Jan 2022 10:08

Tgt Ion: 91 Resp: 13813
 Ion Ratio Lower Upper
 91 100
 126 30.0 12.6 18.8#
 128 7.5 4.3 6.5#





#67

sec-Butylbenzene

Concen: 1.964 ppbv

RT: 17.29

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

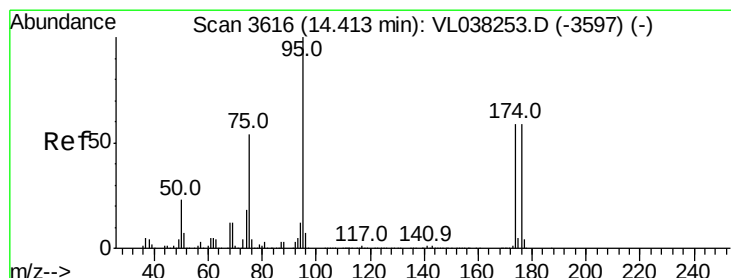
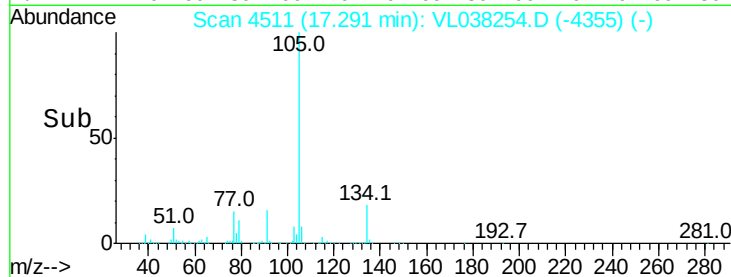
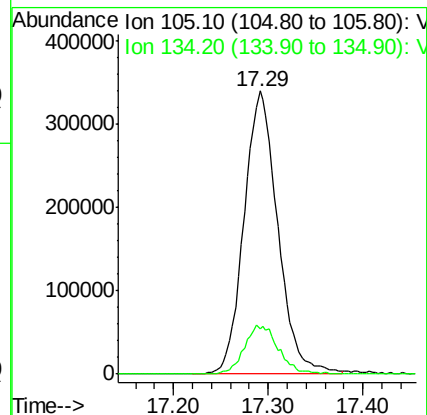
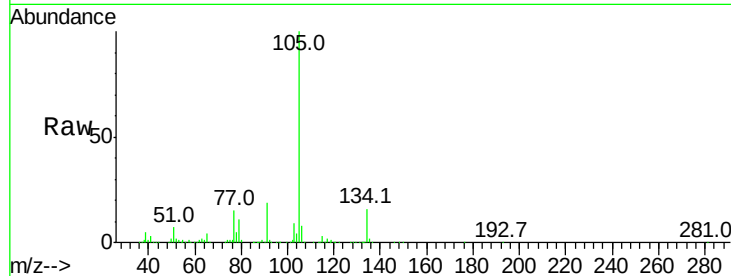
Acq: 24 Jan 2022 10:08

Tgt Ion: 105 Resp: 841818

Ion Ratio Lower Upper

105 100

134 17.5 14.3 21.5



#68

1-Bromo-4-Fluorobenzene

Concen: 9.753 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.00 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

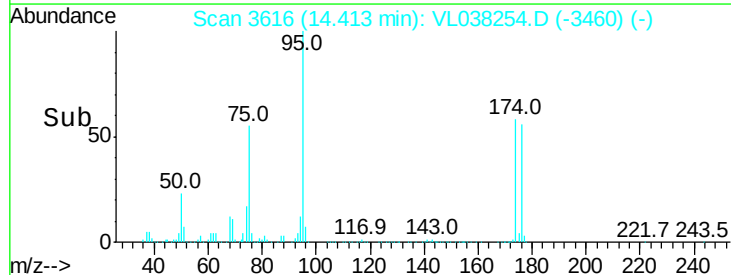
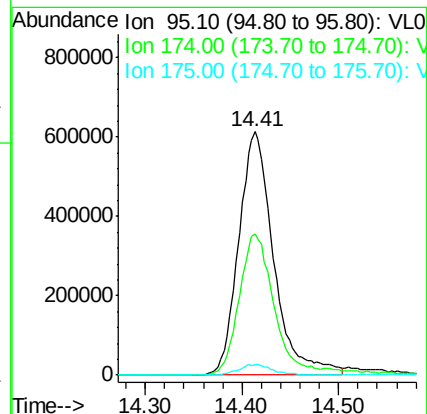
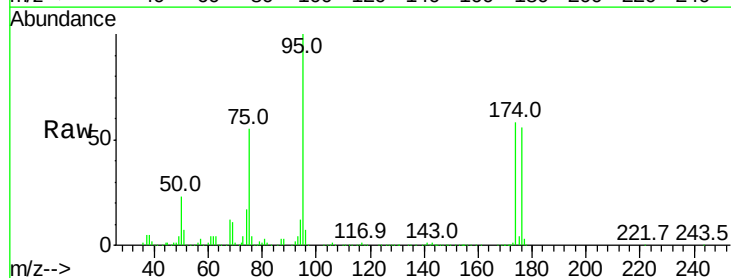
Tgt Ion: 95 Resp: 1542271

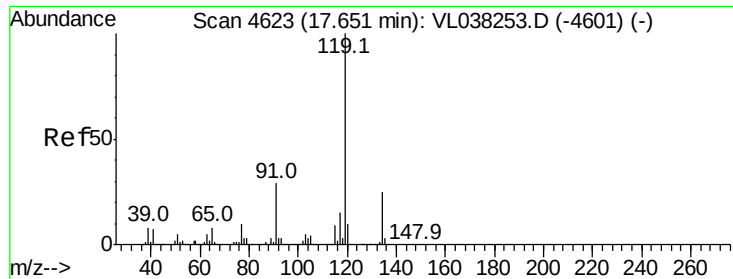
Ion Ratio Lower Upper

95 100

174 60.8 48.3 72.5

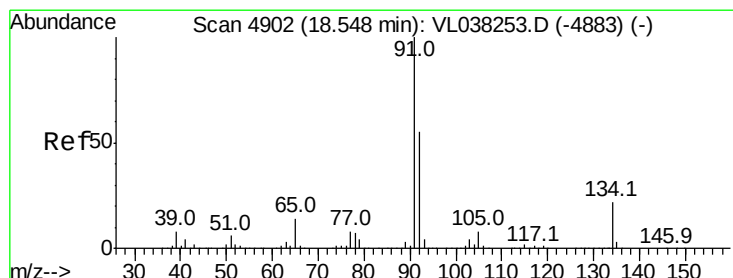
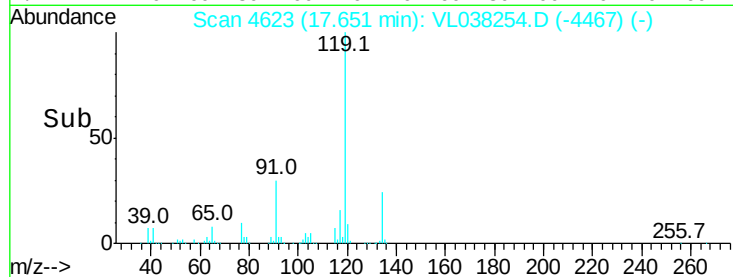
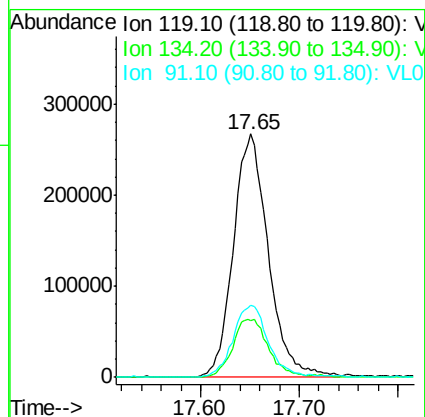
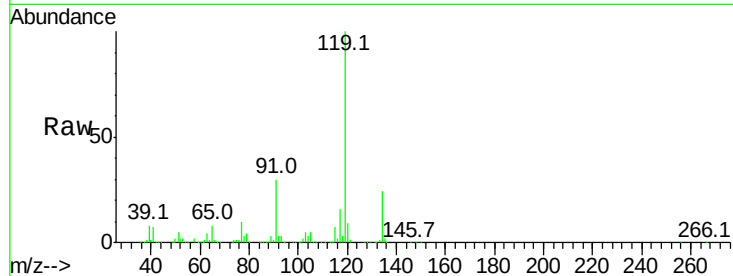
175 4.2 3.5 5.3





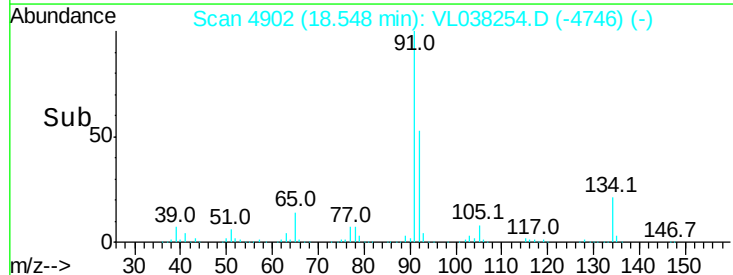
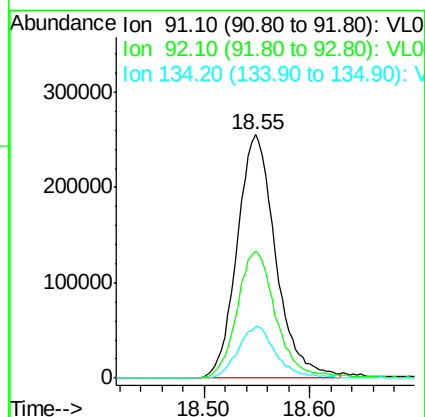
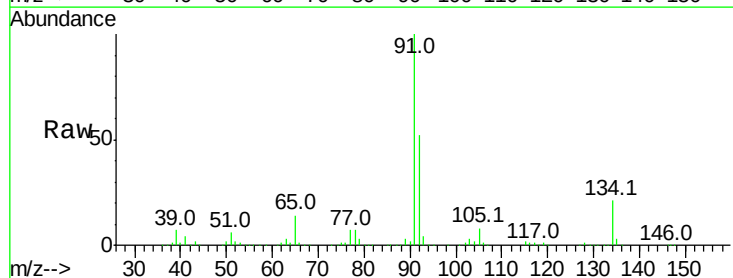
#69
 p-Isopropyltoluene
 Concen: 1.900 ppbv
 RT: 17.65 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 24 Jan 2022 10:08

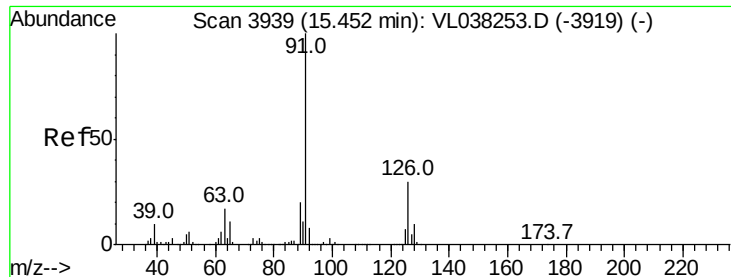
Tgt Ion:	119	Resp:	655027
Ion Ratio	Lower	Upper	
119	100		
134	25.3	20.2	30.2
91	30.3	23.2	34.8



#70
 n-Butylbenzene
 Concen: 1.975 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.00 min
 Lab File: VL038254.D
 Acq: 24 Jan 2022 10:08

Tgt Ion:	91	Resp:	647432
Ion Ratio	Lower	Upper	
91	100		
92	53.4	43.4	65.0
134	21.4	17.3	25.9





#71

2-Chlorotoluene

Concen: 1.982 ppbv

RT: 15.45

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

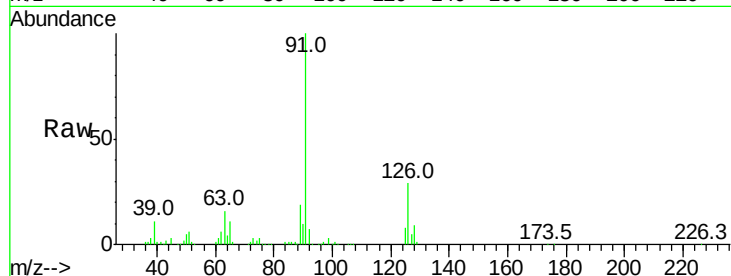
Acq: 24 Jan 2022 10:08

Tgt Ion: 91 Resp: 522699

Ion Ratio Lower Upper

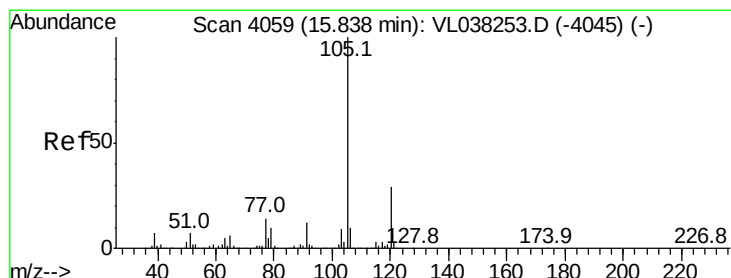
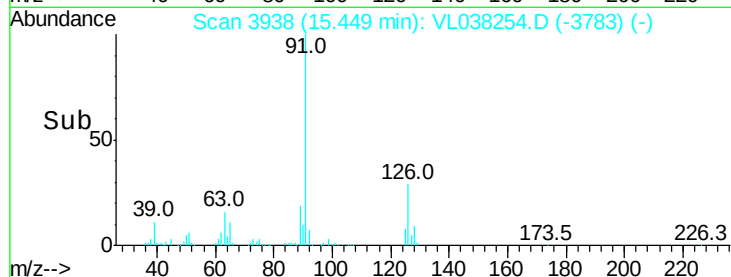
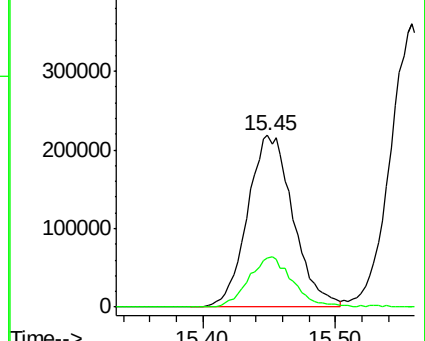
91 100

126 28.8 12.1 48.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 1.931 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. 0.00 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

Tgt Ion: 105 Resp: 561210

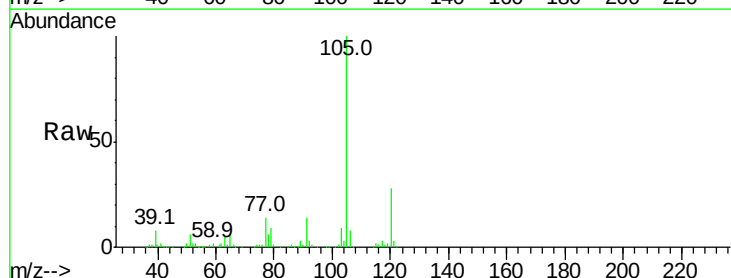
Ion Ratio Lower Upper

105 100

120 30.5 23.8 35.8

91 13.1 10.2 15.4

77 14.8 11.7 17.5

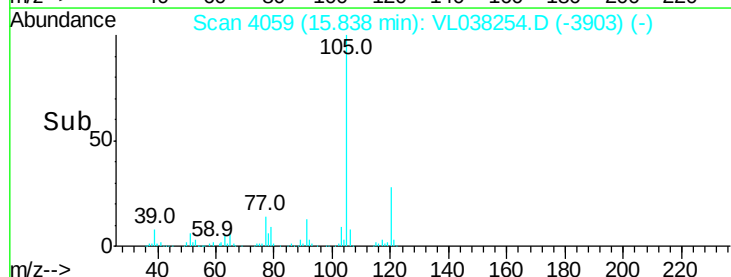
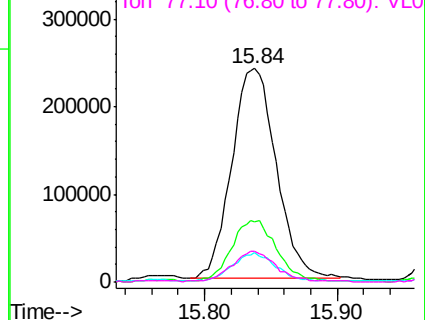


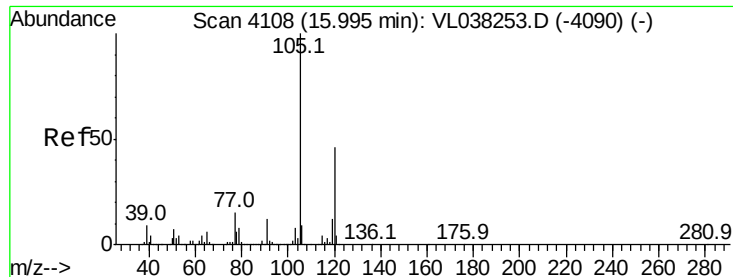
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 1.932 ppbv

RT: 15.99 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

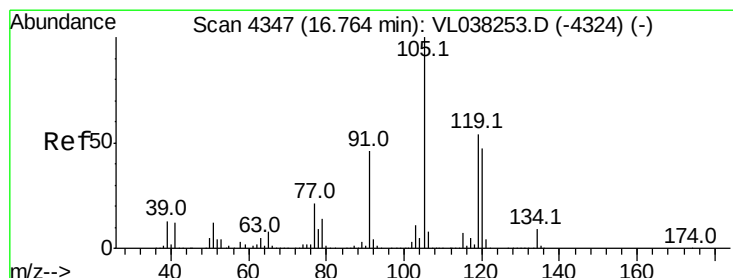
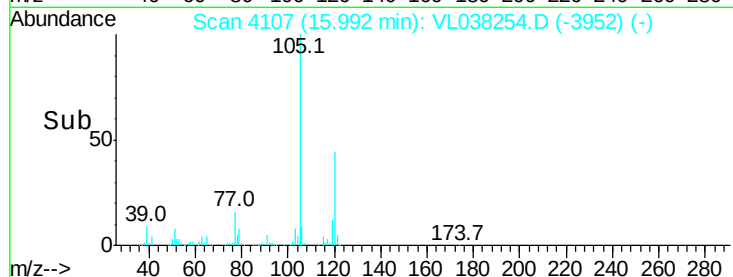
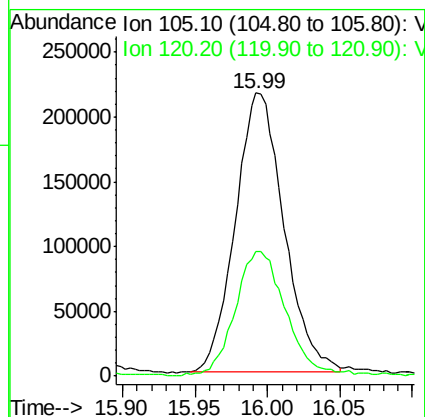
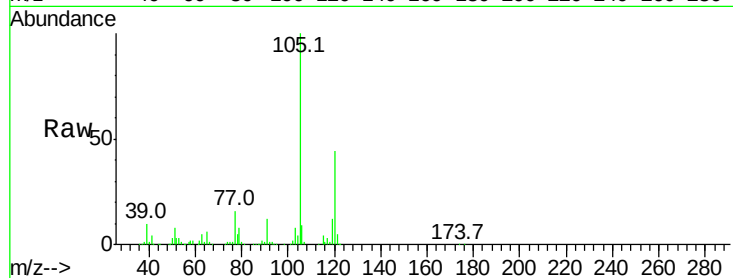
Acq: 24 Jan 2022 10:08

Tgt Ion:105 Resp: 502675

Ion Ratio Lower Upper

105 100

120 44.3 36.6 55.0



#74

1,2,4-Trimethylbenzene

Concen: 1.985 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. -0.00 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

Tgt Ion:105 Resp: 542385

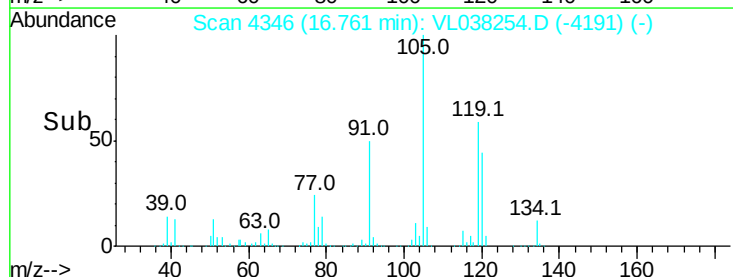
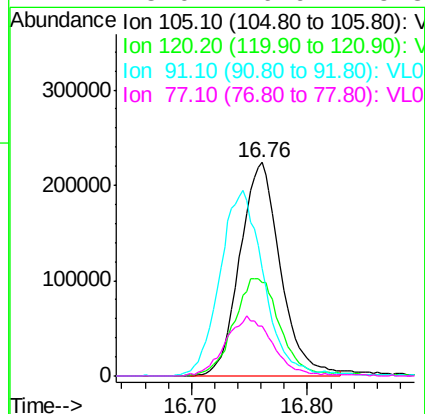
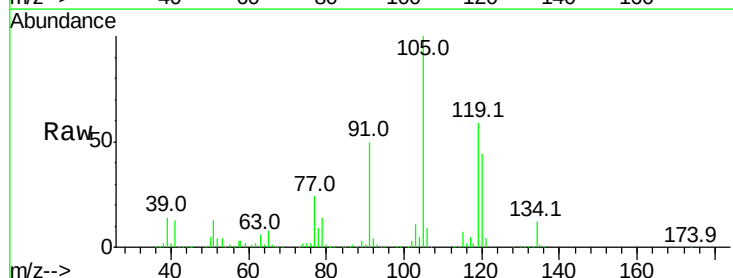
Ion Ratio Lower Upper

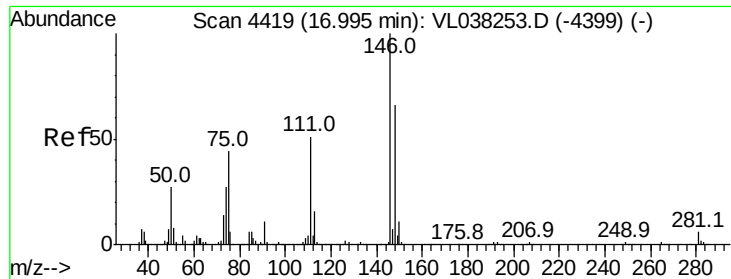
105 100

120 43.3 37.2 55.8

91 49.1 36.6 55.0

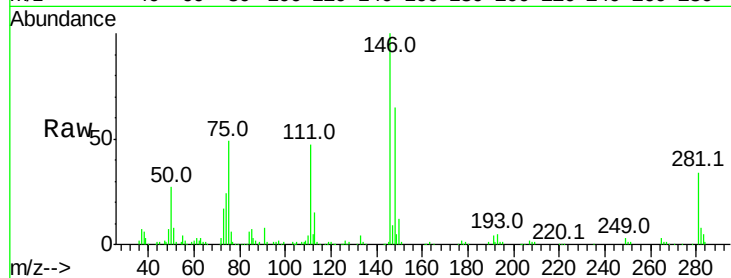
77 23.0 16.9 25.3



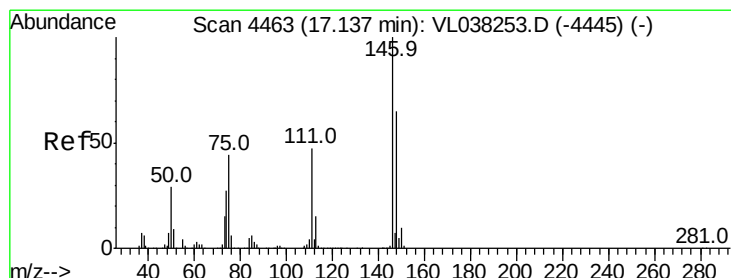
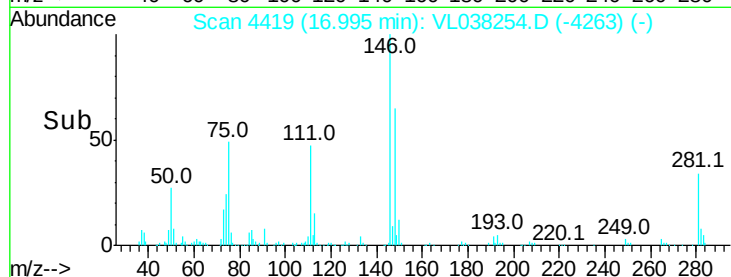
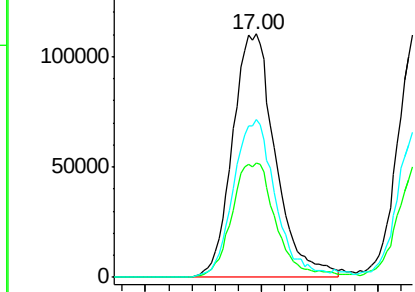


#75
 1,3-Dichlorobenzene
 Concen: 1.920 ppbv
 RT: 17.00 min
 Delta R.T. 0.00 min
 Lab File: VSTDIC002
 Acq: 24 Jan 2022 10:08

Tgt Ion:	146	Resp:	283332
Ion Ratio	Lower	Upper	
146	100		
111	48.3	24.1	72.4
148	64.5	32.1	96.5

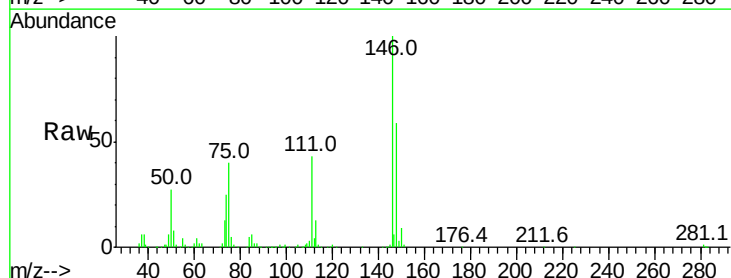


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

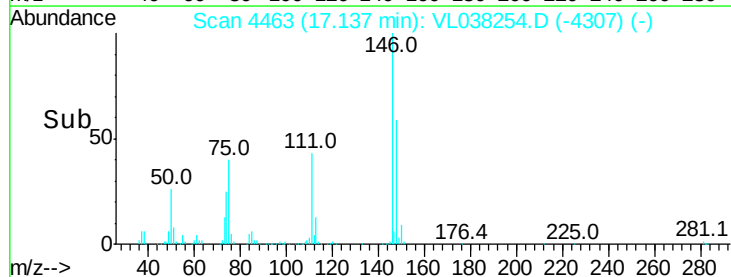
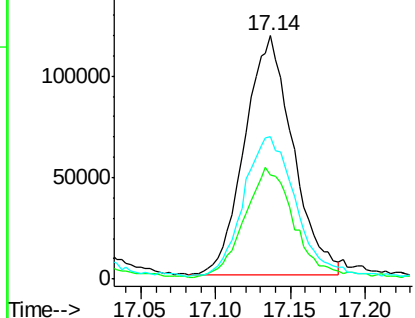


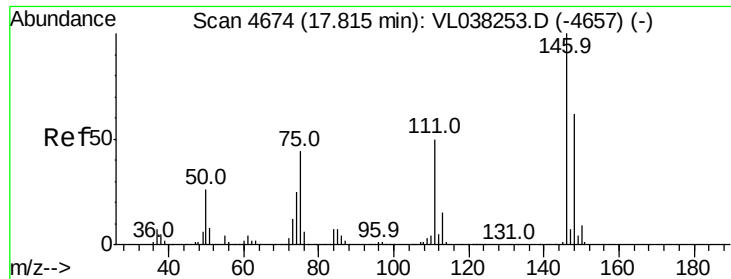
#76
 1,4-Dichlorobenzene
 Concen: 1.818 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. 0.00 min
 Lab File: VL038254.D
 Acq: 24 Jan 2022 10:08

Tgt Ion:	146	Resp:	266222
Ion Ratio	Lower	Upper	
146	100		
111	50.4	23.2	69.6
148	66.8	32.4	97.0



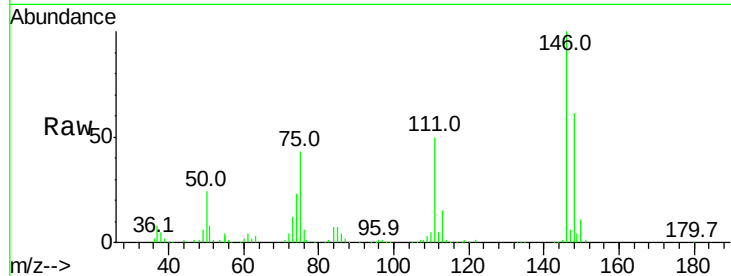
Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V



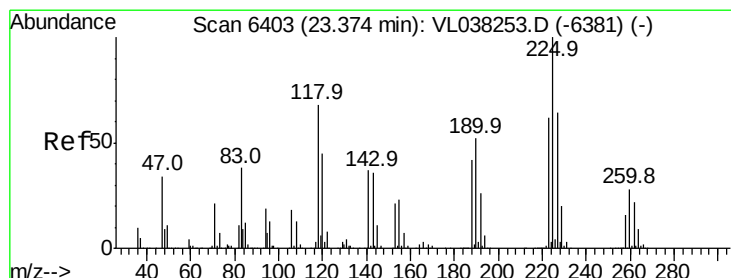
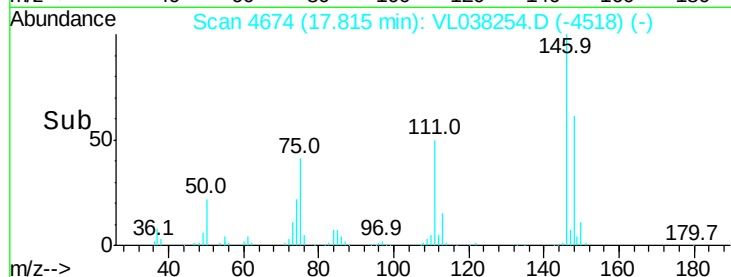
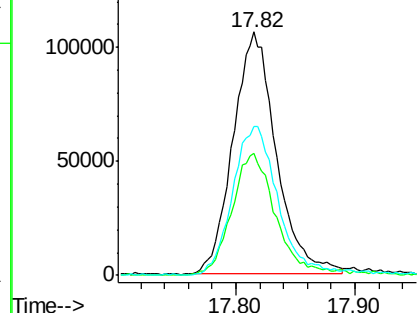


#77
 1,2-Dichlorobenzene
 Concen: 1.875 ppbv
 RT: 17.82 min
 Delta R.T. 0.00 min
 Lab File: VSTDIC002
 Acq: 24 Jan 2022 10:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.9	25.2	75.6
148	66.8	32.6	97.8

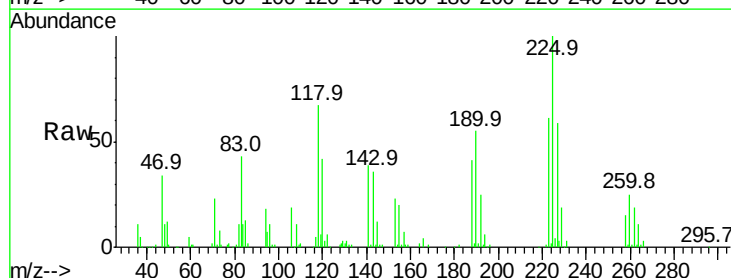


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

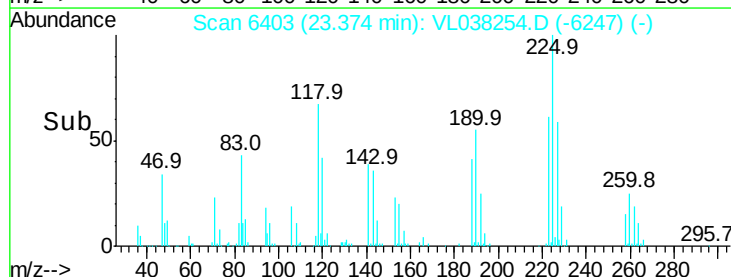
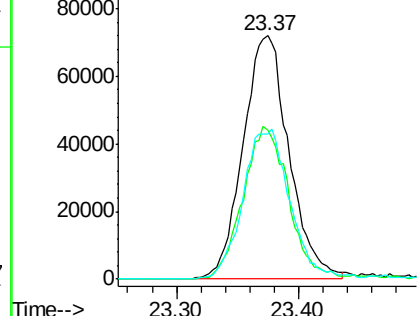


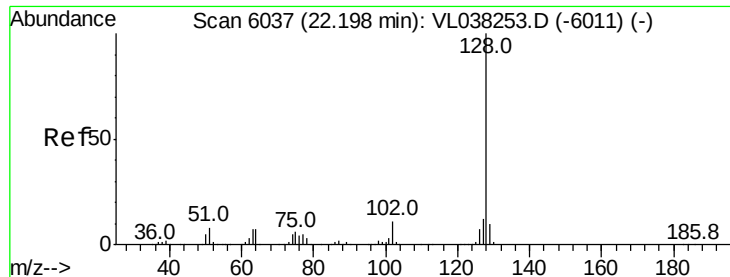
#78
 Hexachloro-1,3-Butadiene
 Concen: 2.153 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. 0.00 min
 Lab File: VL038254.D
 Acq: 24 Jan 2022 10:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.7	77.5
227	64.0	51.4	77.0



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 1.818 ppbv

RT: 22.20 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Jan 2022 10:08

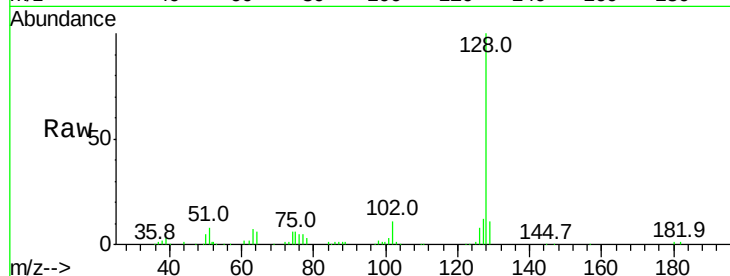
Tgt Ion:128 Resp: 256606

Ion Ratio Lower Upper

128 100

127 12.0 9.7 14.5

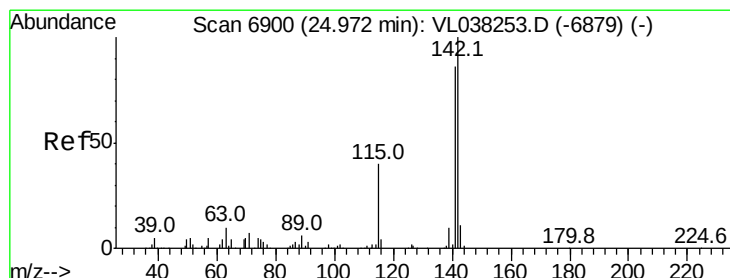
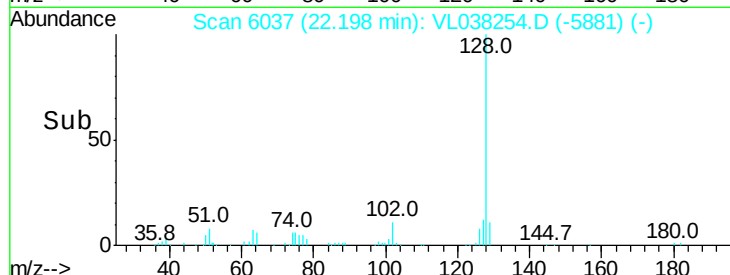
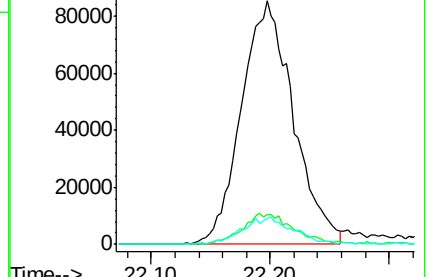
129 10.9 8.1 12.1



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: 0.982 ppbv

RT: 24.98 min Scan# 6902

Delta R.T. 0.01 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

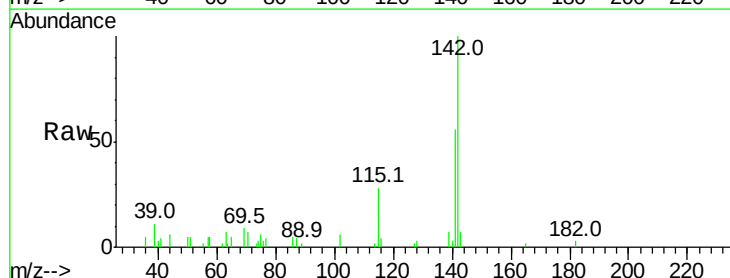
Tgt Ion:142 Resp: 27497

Ion Ratio Lower Upper

142 100

141 65.4 70.2 105.4#

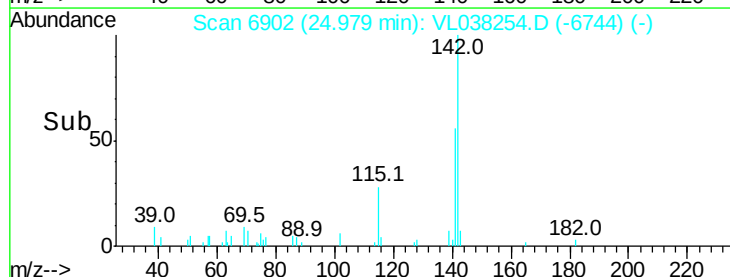
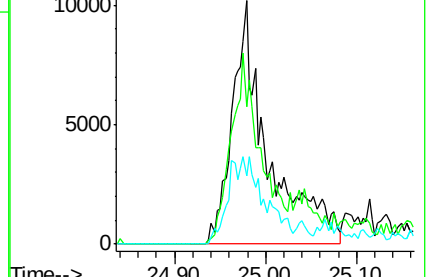
115 40.2 31.8 47.6

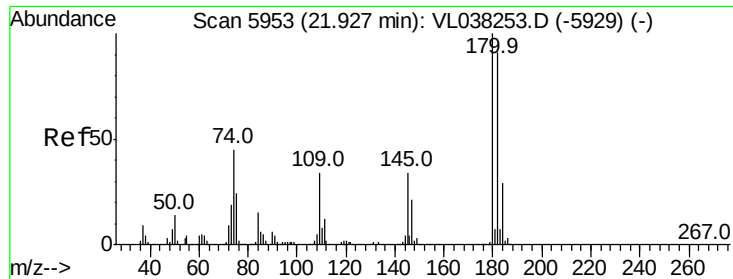


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

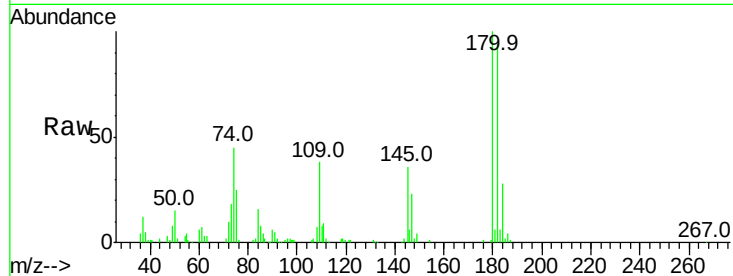
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 1.045 ppbv
 RT: 21.92
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 24 Jan 2022 10:08

Tgt Ion:180 Resp: 84370
 Ion Ratio Lower Upper
 180 100
 182 174.3 77.7 116.5#
 184 0.0 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

