

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031722\
 Data File : VL038645.D
 Acq On : 18 Mar 2022 3:39
 Operator : SY/AP
 Sample : N1645-15 0.4 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2022DL

Quant Time: Mar 18 04:53:44 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	799499	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	2048258	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	1725700	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1285109	9.79	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	51921	0.43	ppbv	95
3) Chlorodifluoromethane	2.99	51	66023	0.47	ppbv	99
4) Chloromethane	3.14	50	22949	0.44	ppbv	97
5) Vinyl Chloride	3.26	62	11290	0.22	ppbv	94
6) Bromomethane	3.48	94	11379	0.40	ppbv	89
7) Chloroethane	3.56	64	3746	0.22	ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	55240	0.47	ppbv	95
9) Propene	3.02	41	22054	0.44	ppbv	99
10) Heptane	8.12	43	41480	0.35	ppbv	87
11) Trichlorofluoromethane	3.95	101	49963	0.47	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.48	101	38343	0.47	ppbv	98
13) Ethanol	3.62	45	1826	0.32	ppbv	68
14) Bromoethene	3.74	108	15204	0.43	ppbv	94
15) Acetone	3.87	43	26399	0.47	ppbv #	87
16) 1,3-Butadiene	3.33	39	18967	0.42	ppbv	95
17) tert-Butyl alcohol	4.32	59	18382	0.30	ppbv #	78
18) 1,1-Dichloroethene	4.29	96	15128	0.41	ppbv #	72
20) Methylene Chloride	4.35	84	16262	0.48	ppbv	90
21) Allyl Chloride	4.41	41	21287	0.39	ppbv	92
22) trans-1,2-Dichloroethene	4.89	96	15290	0.40	ppbv	98
23) Vinyl Acetate	5.08	43	31420	0.39	ppbv #	96
24) 1,1-Dichloroethane	5.01	63	33553	0.46	ppbv	98
25) Ethyl Acetate	5.69	43	78286	0.41	ppbv	95
26) Hexane	5.69	57	36681	0.41	ppbv	89
27) Carbon Disulfide	4.55	76	31695	0.36	ppbv	97
28) Methyl tert-Butyl Ether	5.05	73	30336	0.42	ppbv	94
29) Chloroform	5.75	83	64466	0.46	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	33366	0.39	ppbv	90
32) 1,1,1-Trichloroethane	6.51	97	59885	0.44	ppbv	100
34) 2-Butanone	5.27	43	21577	0.41	ppbv #	86
35) Carbon Tetrachloride	7.02	117	59071	0.42	ppbv	97
36) Benzene	6.89	78	75184	0.41	ppbv	96
37) 1,2-Dichloroethane	6.30	62	39262	0.44	ppbv	98
38) Trichloroethene	7.83	130	28953	0.39	ppbv	91
39) 1,2-Dichloropropane	7.62	63	28868	0.41	ppbv	96
41) Tetrahydrofuran	6.08	42	6585	0.15	ppbv #	22
42) Bromodichloromethane	7.80	83	57112	0.41	ppbv	97
43) Methyl Methacrylate	8.02	69	8267	0.13	ppbv #	1
44) 2,2,4-Trimethylpentane	7.87	57	119664	0.38	ppbv	93
45) t-1,3-Dichloropropene	9.28	75	6757	0.15	ppbv	89
46) cis-1,3-Dichloropropene	8.70	75	19849	0.32	ppbv	97

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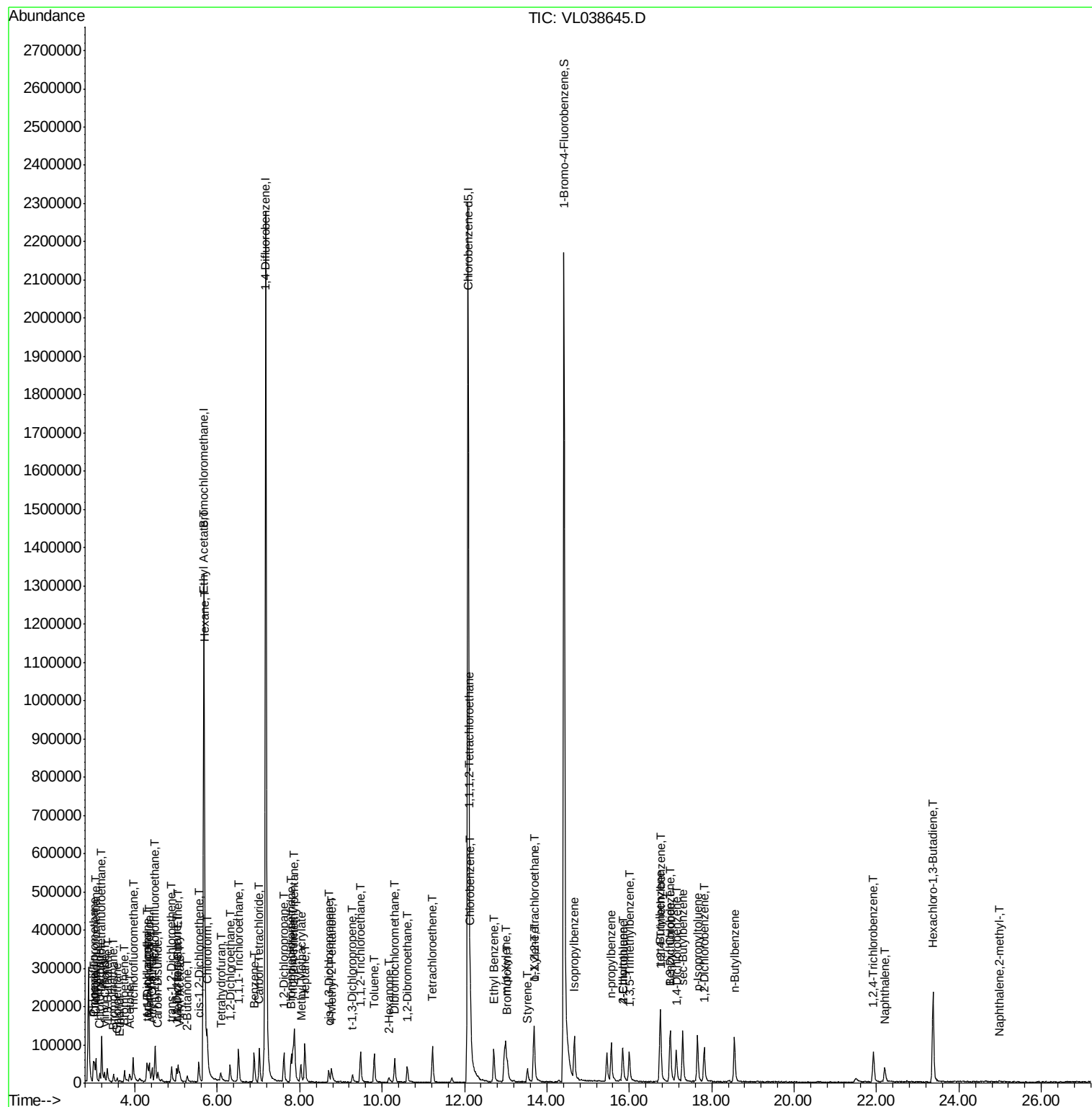
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	9.47	97	31787	0.44	ppbv	97
48) Dibromochloromethane	10.30	129	41335	0.36	ppbv	97
49) Bromoform	13.04	173	27279	0.31	ppbv	96
50) 4-Methyl-2-Pentanone	8.77	43	30717	0.28	ppbv	95
51) 2-Hexanone	10.15	43	3564	0.08	ppbv #	28
52) Tetrachloroethene	11.22	164	11978	0.18	ppbv	88
53) Toluene	9.81	91	65482	0.33	ppbv	98
54) 1,2-Dibromoethane	10.61	107	36448	0.35	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.12	131	34735	0.49	ppbv #	1
57) Chlorobenzene	12.15	112	61585	0.47	ppbv #	96
58) Ethyl Benzene	12.71	91	79849	0.36	ppbv	97
59) m/p-Xylene	13.00	91	49843	0.26	ppbv #	1
60) o-Xylene	13.69	91	66529	0.37	ppbv	99
61) Styrene	13.53	104	15596	0.18	ppbv #	37
62) Isopropylbenzene	14.67	105	96510	0.39	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.68	83	62953	0.41	ppbv	95
64) n-propylbenzene	15.56	120	11467	0.18	ppbv #	1
65) tert-Butylbenzene	16.75	119	50833	0.23	ppbv #	31
66) Benzyl Chloride	16.99	91	1770	0.13	ppbv #	91
67) sec-Butylbenzene	17.29	105	124304	0.39	ppbv	98
69) p-Isopropyltoluene	17.65	119	95971	0.37	ppbv	95
70) n-Butylbenzene	18.55	91	102271	0.37	ppbv	95
71) 2-Chlorotoluene	15.84	91	5632	0.03	ppbv	75
72) 4-Ethyltoluene	15.84	105	31695	0.15	ppbv #	39
73) 1,3,5-Trimethylbenzene	16.00	105	35565	0.18	ppbv	90
74) 1,2,4-Trimethylbenzene	16.77	105	31401	0.15	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	55545	0.43	ppbv	95
76) 1,4-Dichlorobenzene	17.14	146	23367	0.18	ppbv #	1
77) 1,2-Dichlorobenzene	17.82	146	53480	0.41	ppbv	91
78) Hexachloro-1,3-Butadiene	23.37	225	63994	0.50	ppbv	99
79) Naphthalene	22.19	128	17275	0.09	ppbv	96
80) Naphthalene,2-methyl-	24.98	142	2416	0.07	ppbv #	81
81) 1,2,4-Trichlorobenzene	21.93	180	17032	0.14	ppbv #	1

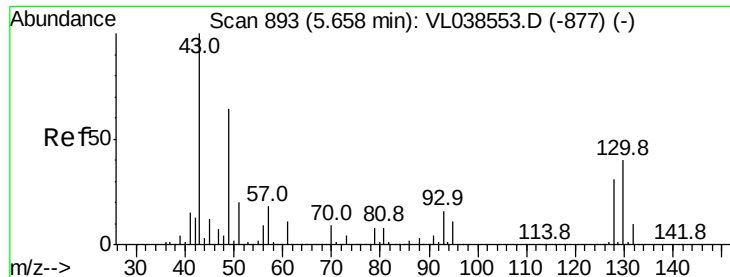
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Mar 2022 3:39 MDL-AIR-03-QT1-2022DL

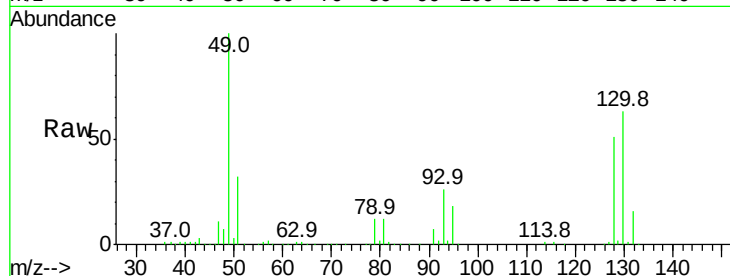
Tgt Ion: 49 Resp: 799499

Ion Ratio Lower Upper

49 100

128 51.7 26.4 79.2

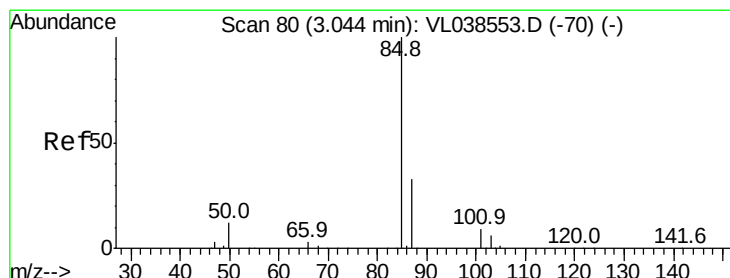
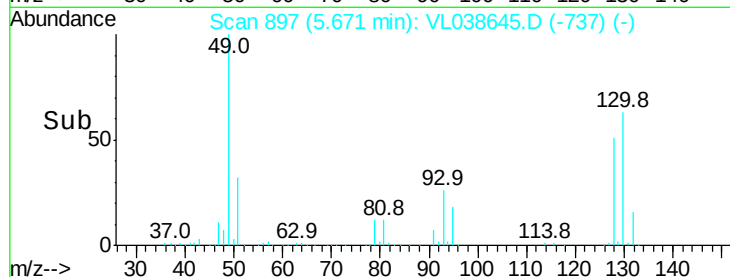
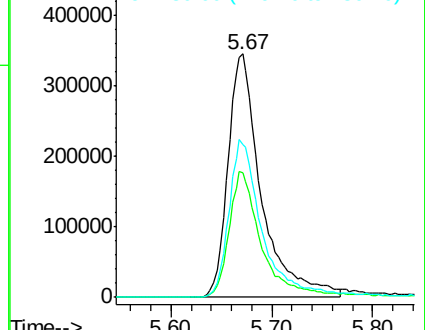
130 66.7 33.0 98.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.43 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL038645.D

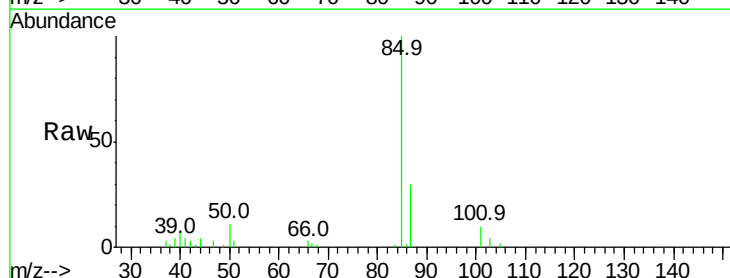
Acq: 18 Mar 2022 3:39

Tgt Ion: 85 Resp: 51921

Ion Ratio Lower Upper

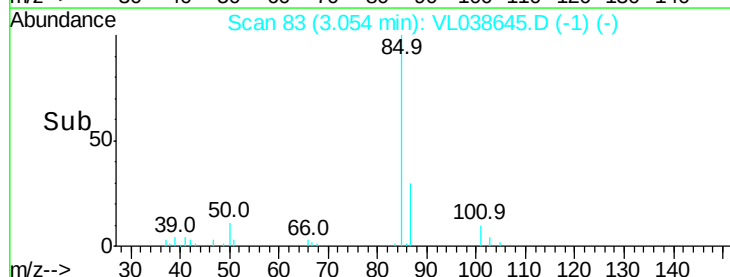
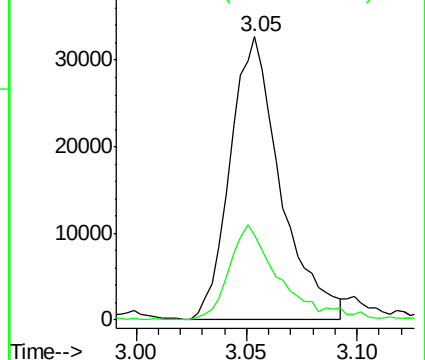
85 100

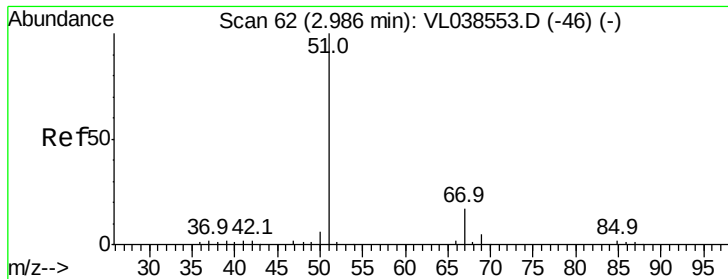
87 30.0 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.47 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: MDL-AIR-03-QT1-2022DL

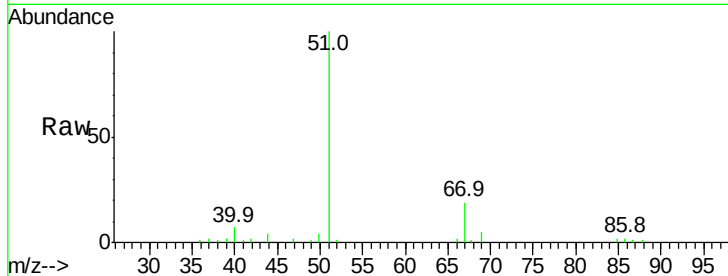
Acq: 18 Mar 2022 3:39

Tgt Ion: 51 Resp: 66023

Ion Ratio Lower Upper

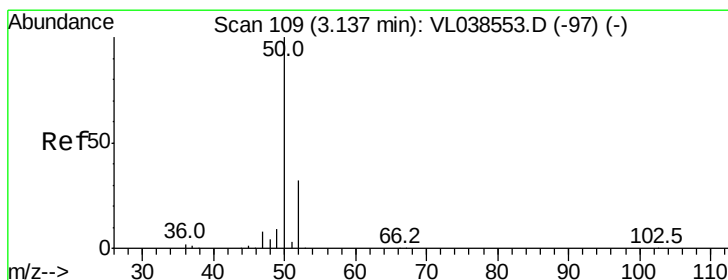
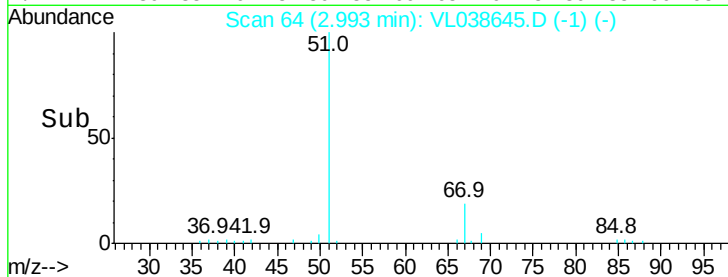
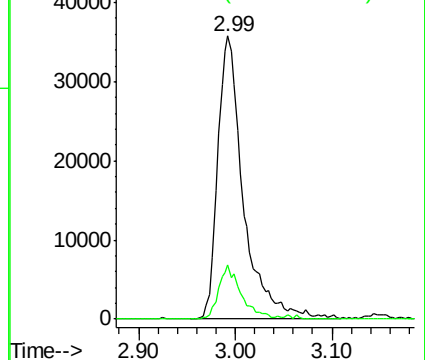
51 100

67 17.4 13.6 20.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.44 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL038645.D

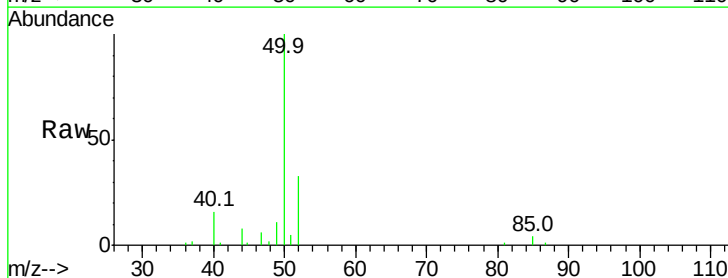
Acq: 18 Mar 2022 3:39

Tgt Ion: 50 Resp: 22949

Ion Ratio Lower Upper

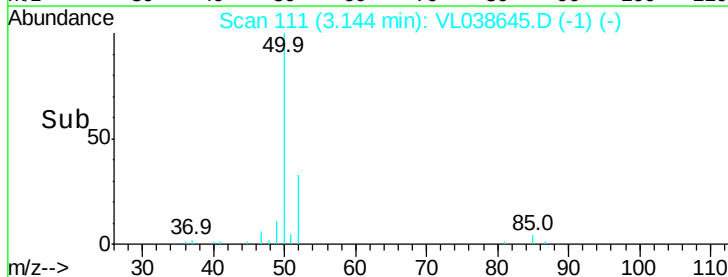
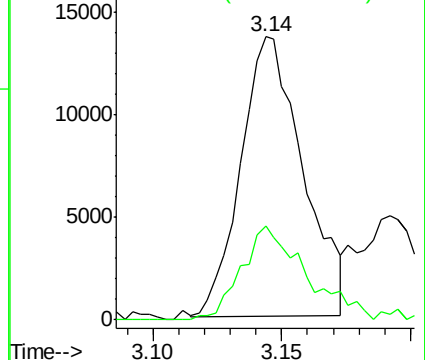
50 100

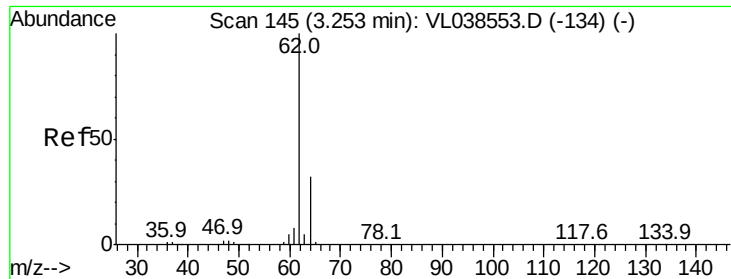
52 33.8 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.22 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

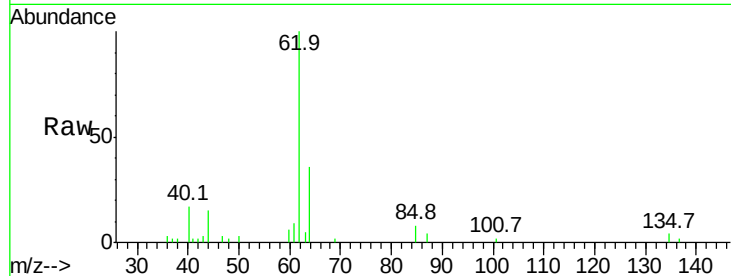
Acq: 18 Mar 2022 3:39 MDL-AIR-03-OT1-2022DL

Tgt Ion: 62 Resp: 11290

Ion Ratio Lower Upper

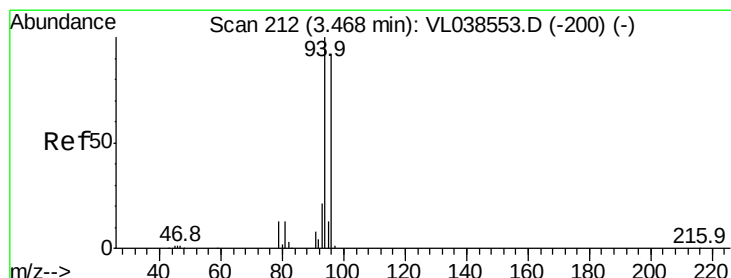
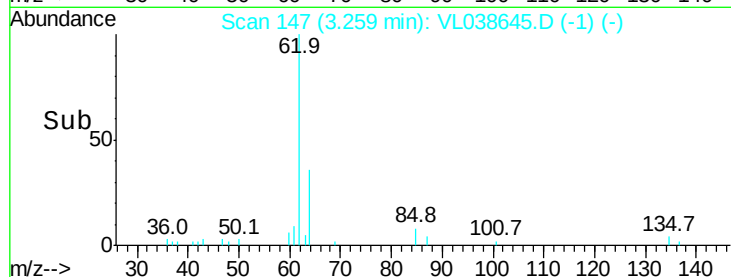
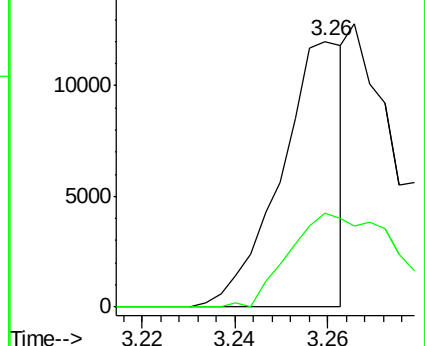
62 100

64 35.6 25.8 38.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.40 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL038645.D

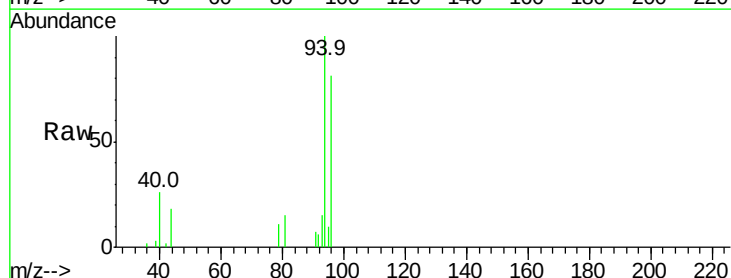
Acq: 18 Mar 2022 3:39

Tgt Ion: 94 Resp: 11379

Ion Ratio Lower Upper

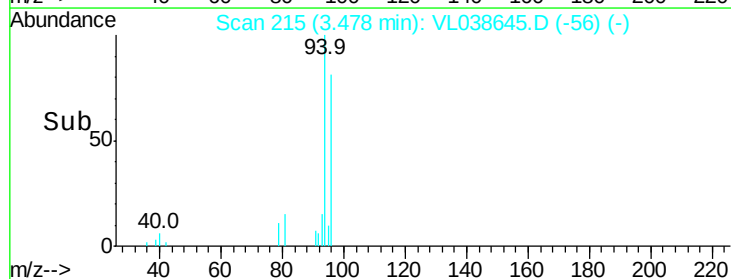
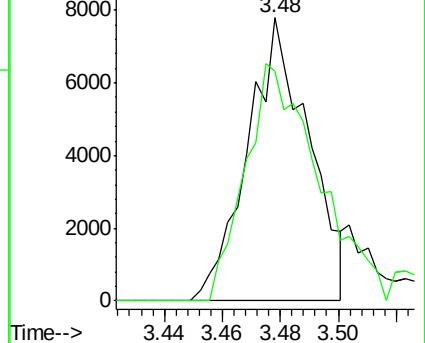
94 100

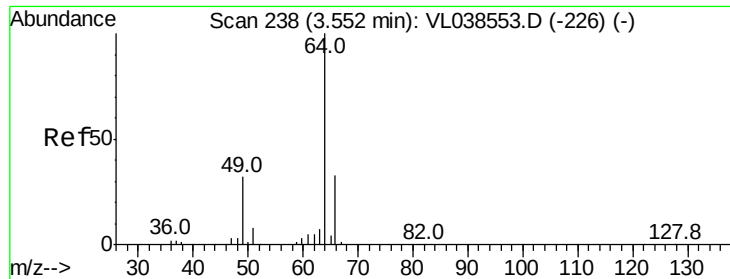
96 81.3 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.22 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

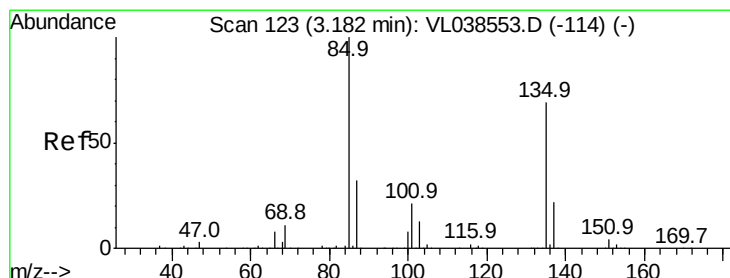
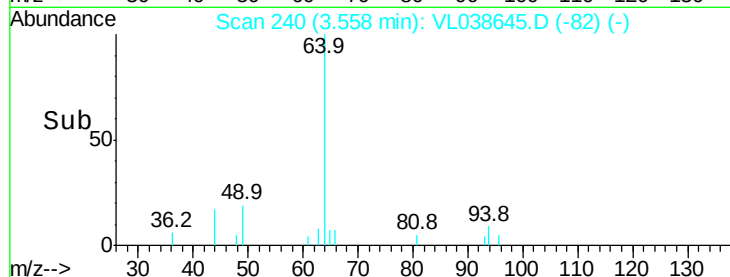
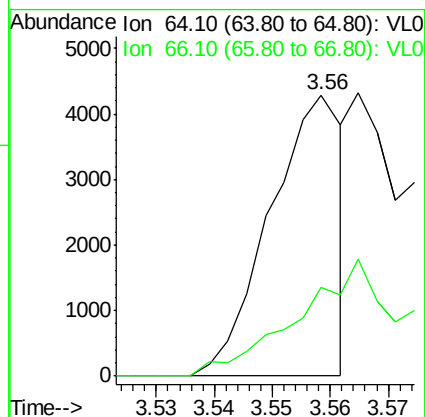
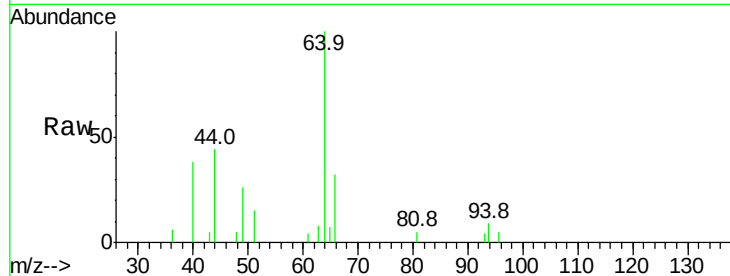
Acq: 18 Mar 2022 3:39 MDL-AIR-03-OT1-2022DL

Tgt Ion: 64 Resp: 3746

Ion Ratio Lower Upper

64 100

66 31.6 26.6 39.8



#8

Dichlorotetrafluoroethane

Concen: 0.47 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL038645.D

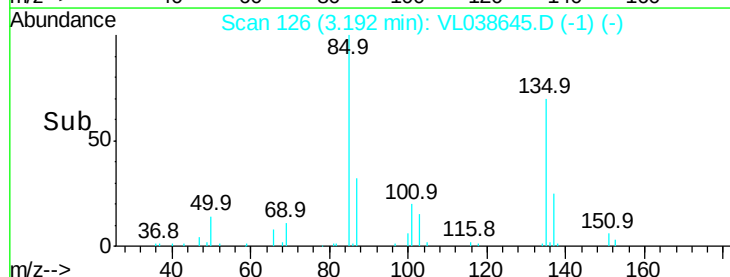
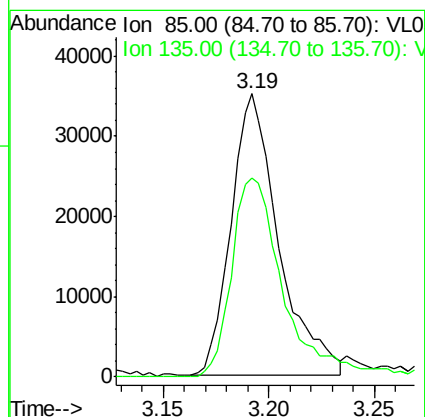
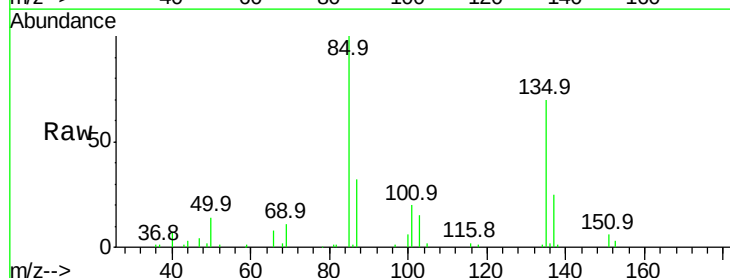
Acq: 18 Mar 2022 3:39

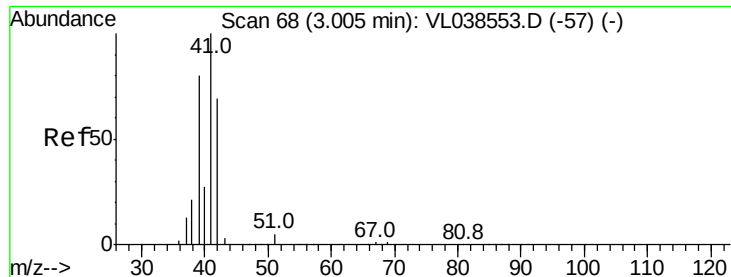
Tgt Ion: 85 Resp: 55240

Ion Ratio Lower Upper

85 100

135 77.7 59.0 88.4





#9

Propene

Concen: 0.44 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

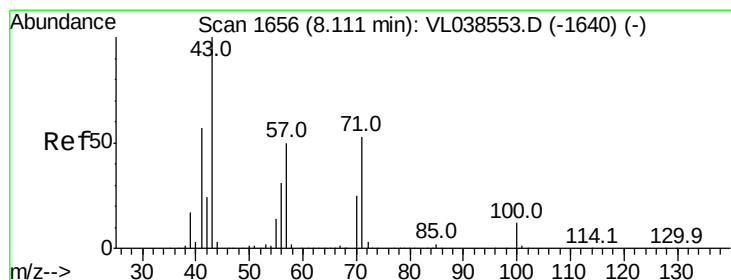
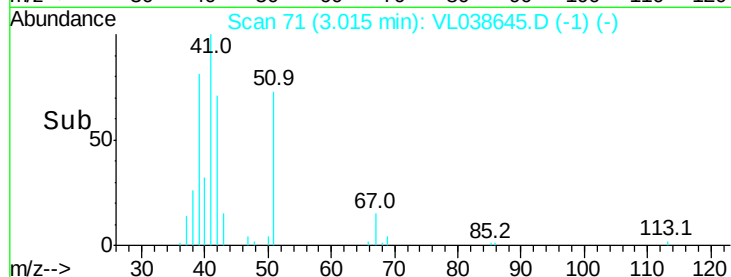
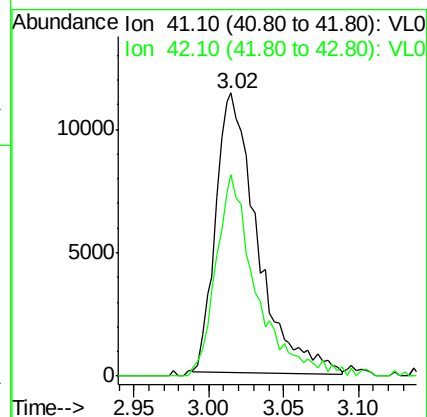
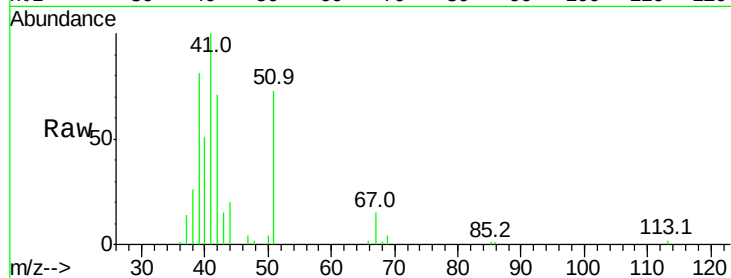
Acq: 18 Mar 2022 3:39 MDL-AIR-03-QT1-2022DL

Tgt Ion: 41 Resp: 22054

Ion Ratio Lower Upper

41 100

42 70.2 55.7 83.5



#10

Heptane

Concen: 0.35 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VL038645.D

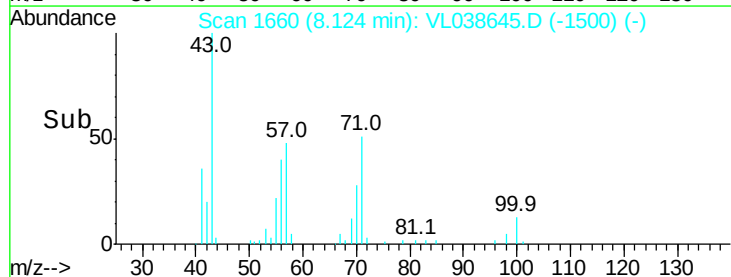
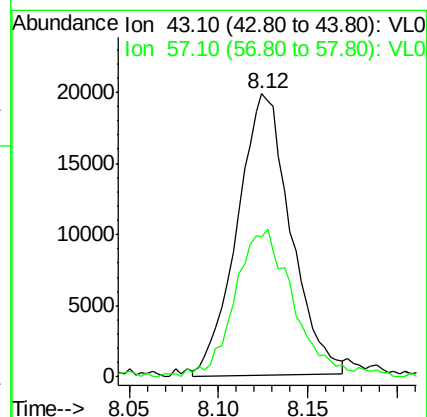
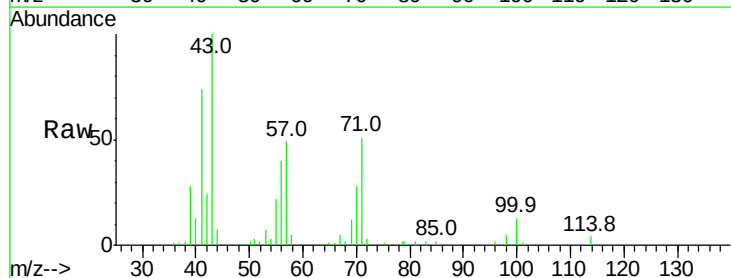
Acq: 18 Mar 2022 3:39

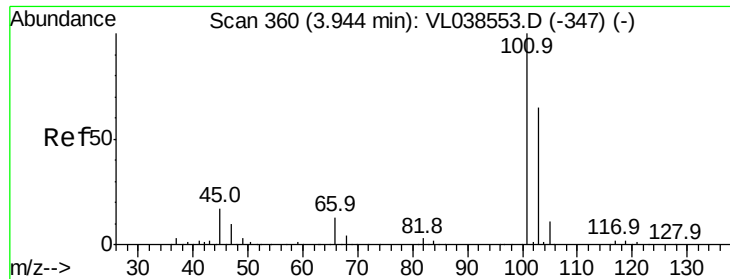
Tgt Ion: 43 Resp: 41480

Ion Ratio Lower Upper

43 100

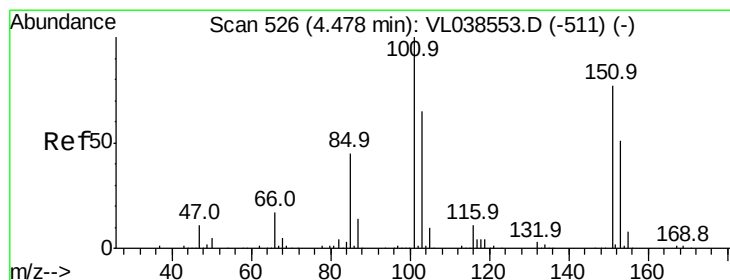
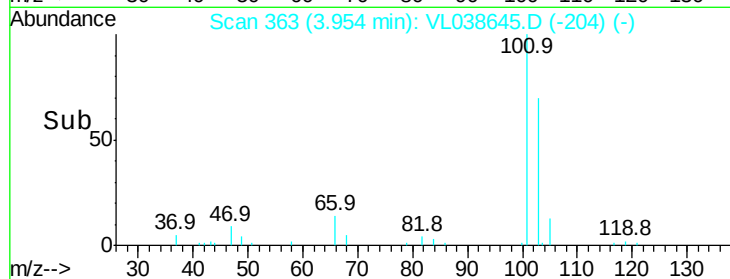
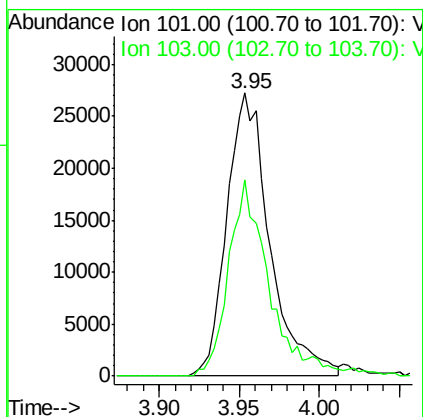
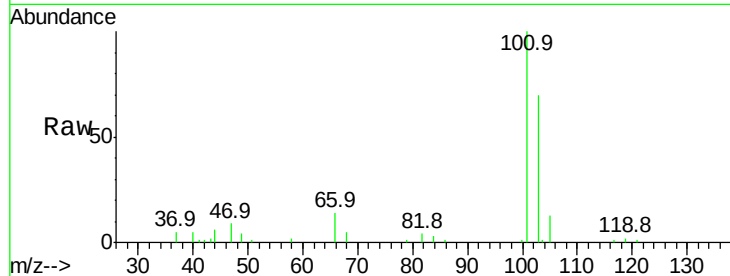
57 58.5 39.6 59.4





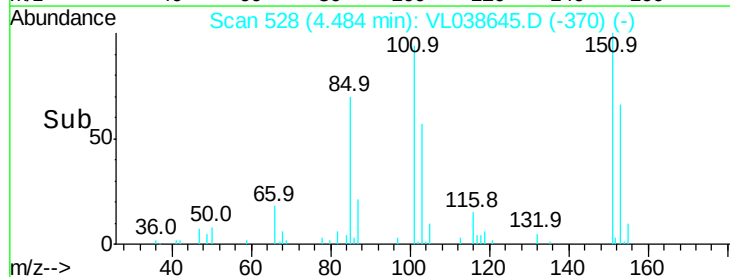
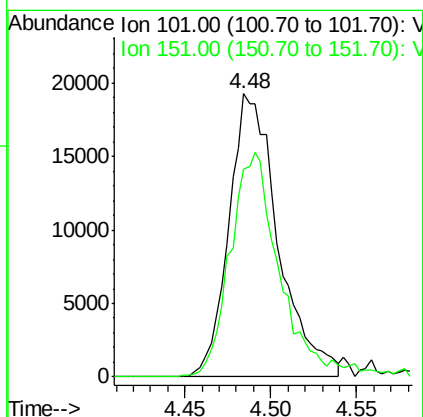
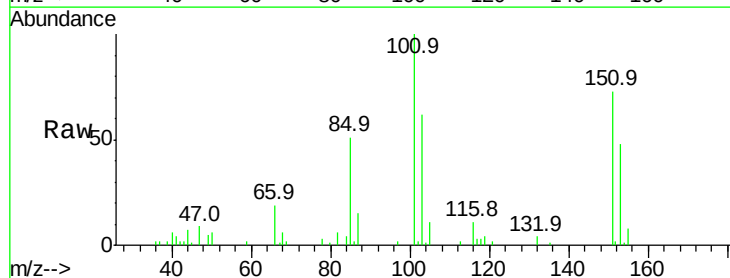
#11
 Trichlorofluoromethane
 Concen: 0.47 ppbv
 RT: 3.95
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 MDL-AIR-03-QT1-2022DL
 Acq: 18 Mar 2022 3:39

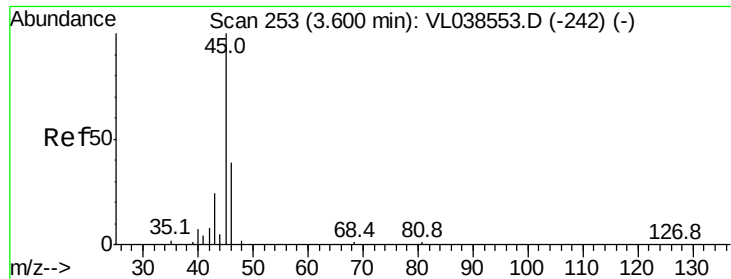
Tgt Ion:101 Resp: 49963
 Ion Ratio Lower Upper
 101 100
 103 70.3 52.0 78.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.47 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: VL038645.D
 Acq: 18 Mar 2022 3:39

Tgt Ion:101 Resp: 38343
 Ion Ratio Lower Upper
 101 100
 151 81.3 63.4 95.0





#13

Ethanol

Concen: 0.32 ppbv

RT: 3.62 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

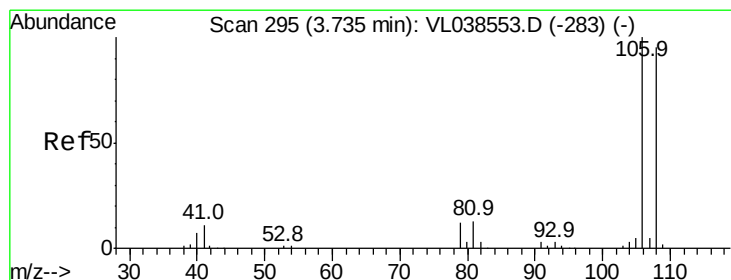
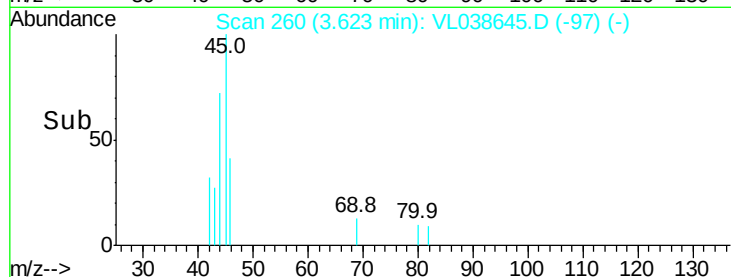
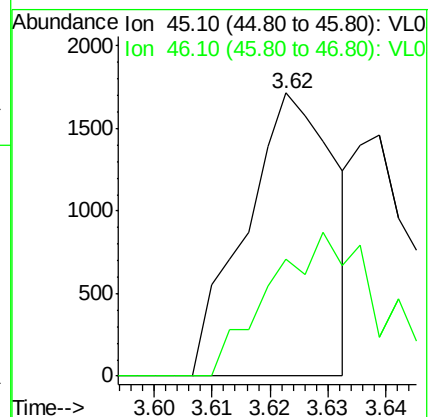
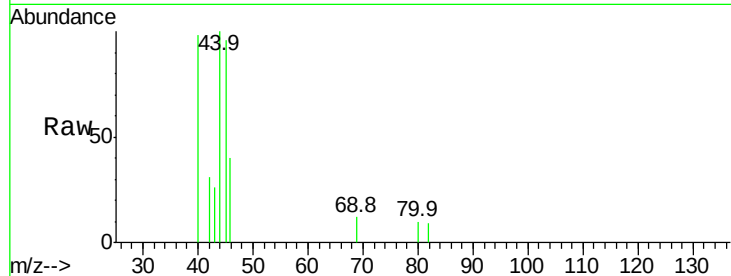
Acq: 18 Mar 2022 3:39 MDL-AIR-03-OT1-2022DL

Tgt Ion: 45 Resp: 1826

Ion Ratio Lower Upper

45 100

46 62.2 16.8 67.0



#14

Bromoethene

Concen: 0.43 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.01 min

Lab File: VL038645.D

Acq: 18 Mar 2022 3:39

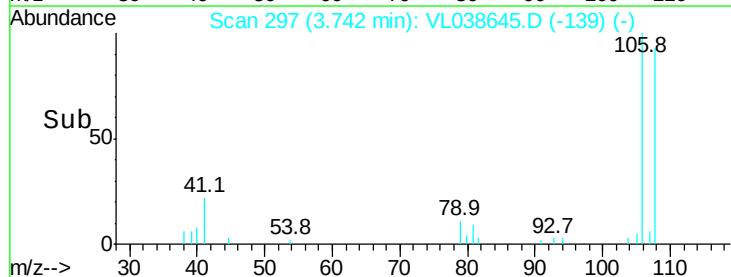
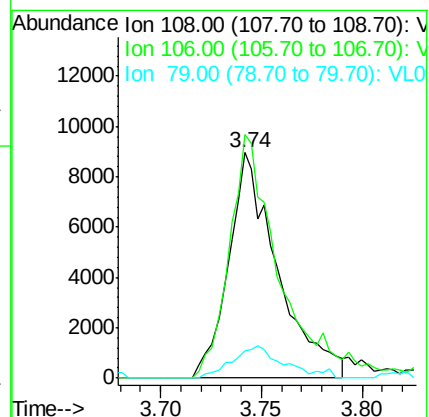
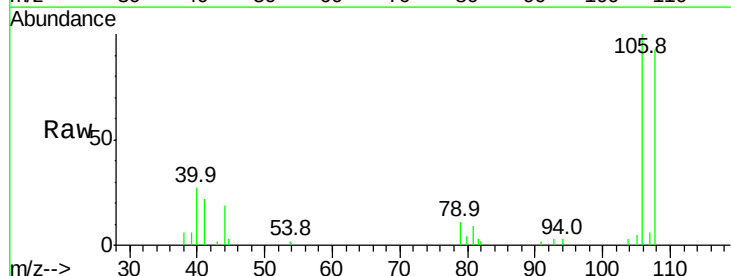
Tgt Ion: 108 Resp: 15204

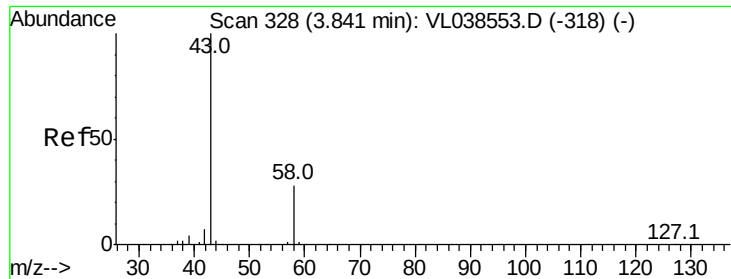
Ion Ratio Lower Upper

108 100

106 113.8 85.9 128.9

79 15.2 11.0 16.6





#15

Acetone

Concen: 0.47 ppbv

RT: 3.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

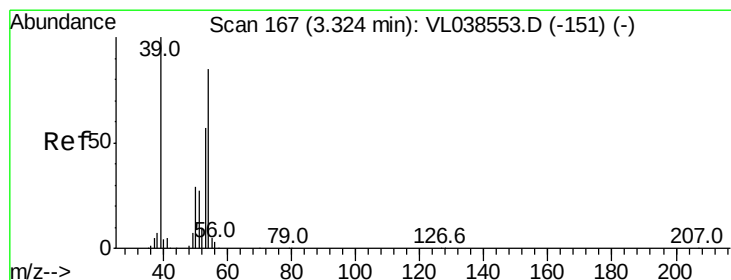
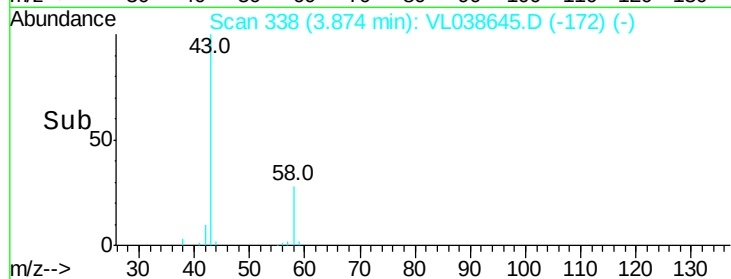
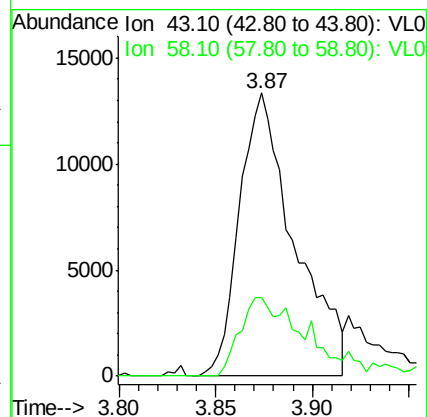
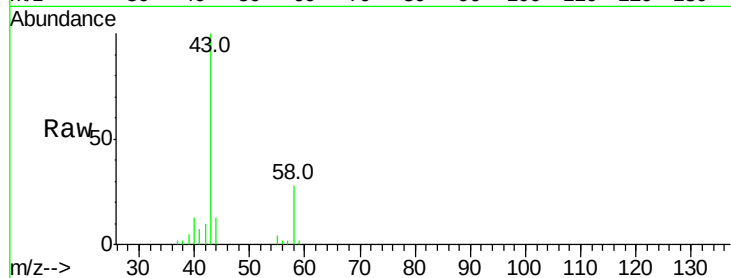
Acq: 18 Mar 2022 3:39 MDL-AIR-03-QT1-2022DL

Tgt Ion: 43 Resp: 26399

Ion Ratio Lower Upper

43 100

58 35.4 22.7 34.1#



#16

1,3-Butadiene

Concen: 0.42 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL038645.D

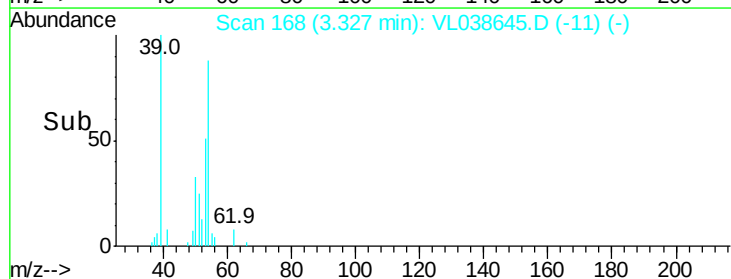
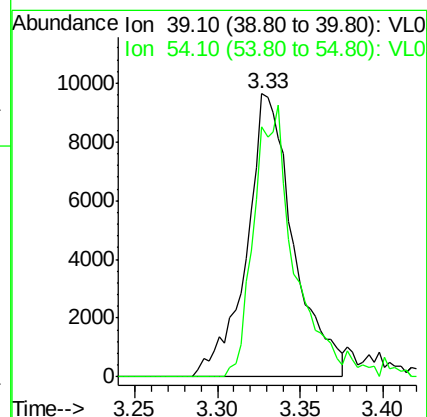
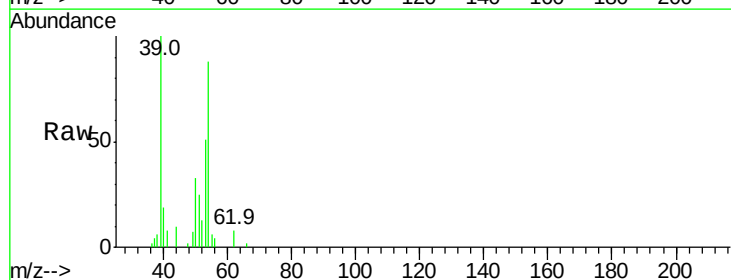
Acq: 18 Mar 2022 3:39

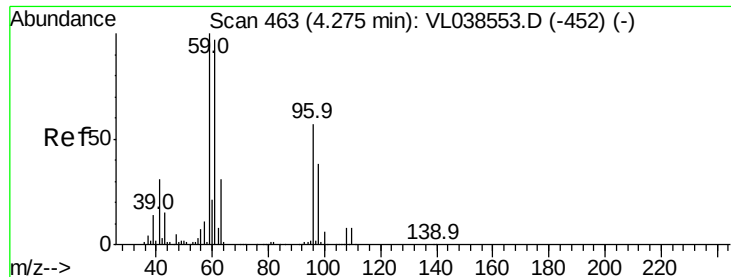
Tgt Ion: 39 Resp: 18967

Ion Ratio Lower Upper

39 100

54 85.0 64.2 96.2





#17

tert-Butyl alcohol

Concen: 0.30 ppbv

RT: 4.32 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

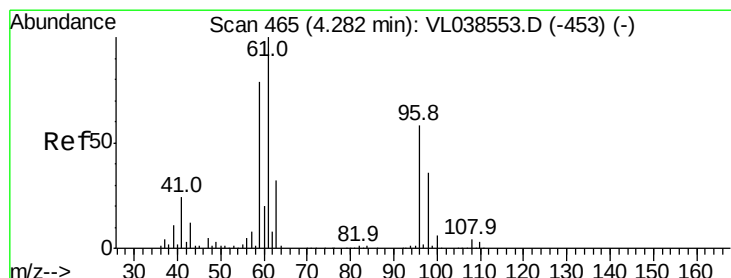
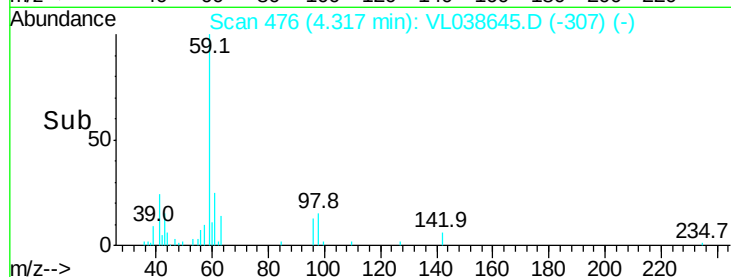
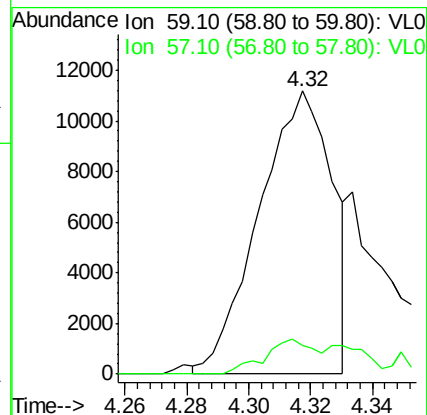
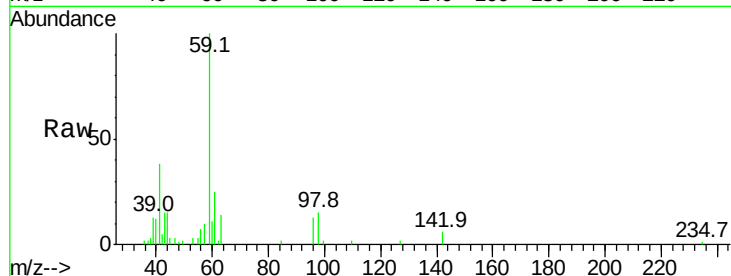
Acq: 18 Mar 2022 3:39 MDL-AIR-03-QT1-2022DL

Tgt Ion: 59 Resp: 18382

Ion Ratio Lower Upper

59 100

57 18.1 8.1 12.1#



#18

1,1-Dichloroethene

Concen: 0.41 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.01 min

Lab File: VL038645.D

Acq: 18 Mar 2022 3:39

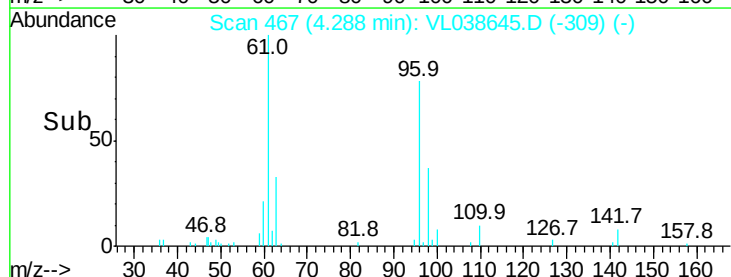
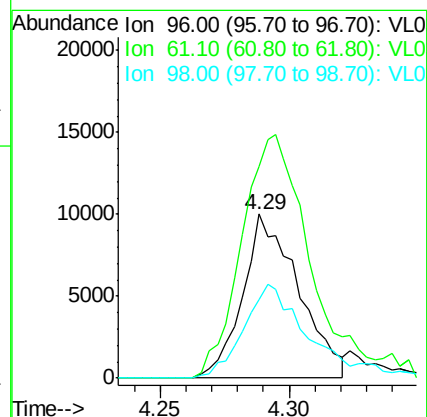
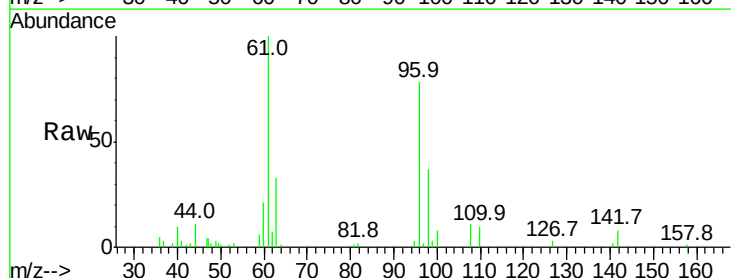
Tgt Ion: 96 Resp: 15128

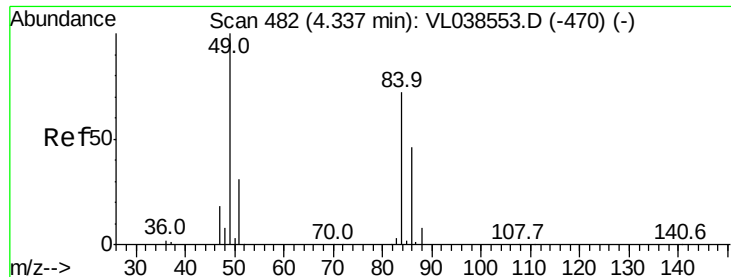
Ion Ratio Lower Upper

96 100

61 128.9 137.4 206.0#

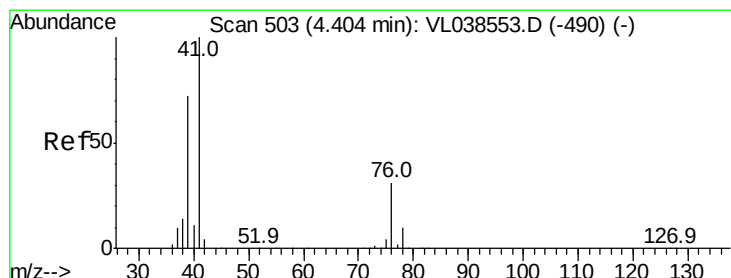
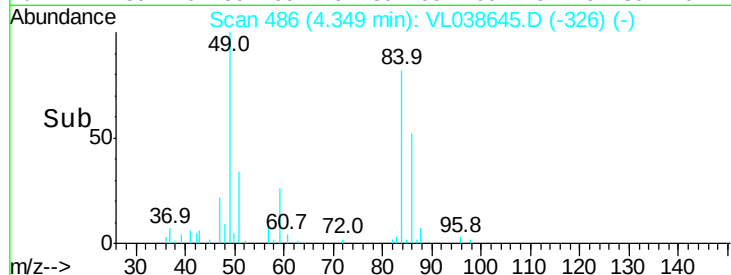
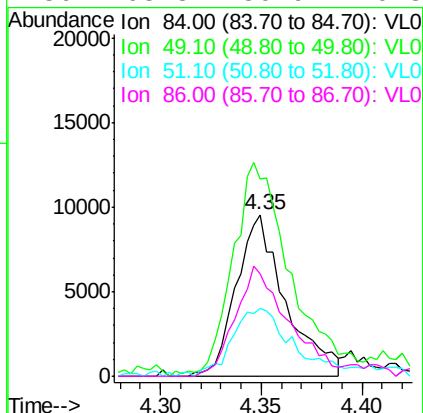
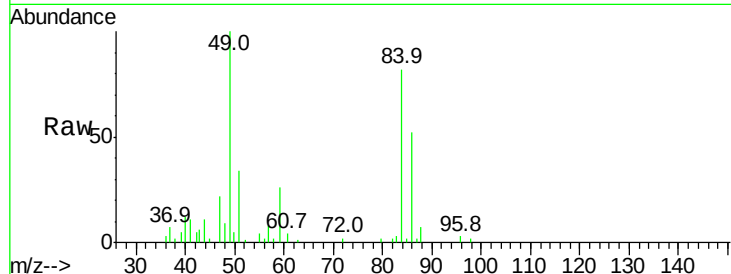
98 47.6 49.3 73.9#





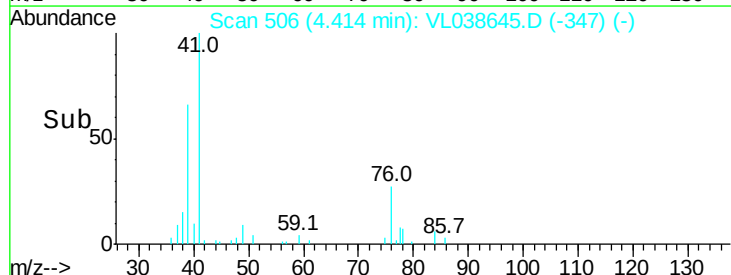
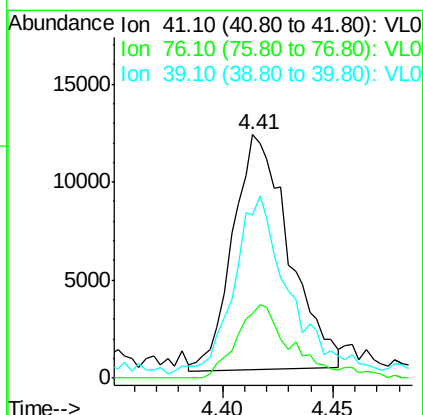
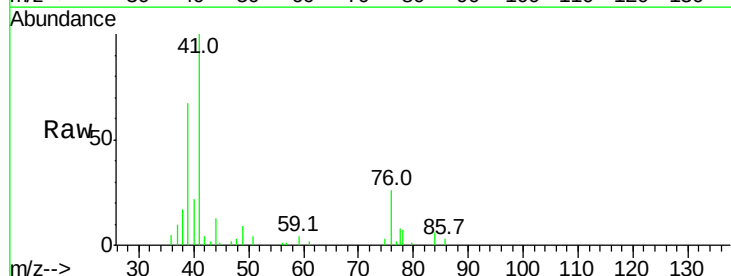
#20
Methylene Chloride
Concen: 0.48 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 18 Mar 2022 3:39 MDL-AIR-03-QT1-2022DL

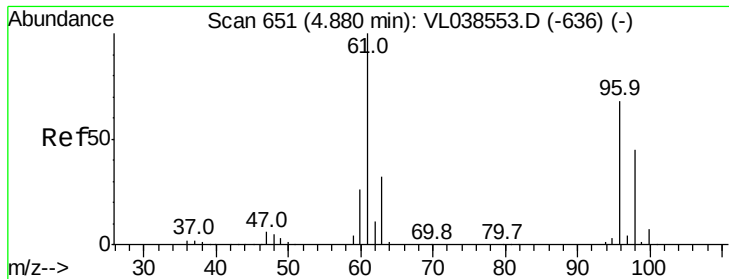
Tgt Ion:	84	Resp:	16262
Ion	Ratio	Lower	Upper
84	100		
49	119.0	111.1	166.7
51	39.5	34.0	51.0
86	63.8	50.9	76.3



#21
Allyl Chloride
Concen: 0.39 ppbv
RT: 4.41 min Scan# 506
Delta R.T.: 0.01 min
Lab File: VL038645.D
Acq: 18 Mar 2022 3:39

Tgt Ion:	41	Resp:	21287
Ion	Ratio	Lower	Upper
41	100		
76	31.2	24.3	36.5
39	80.7	57.1	85.7





#22

trans-1,2-Dichloroethene

Concen: 0.40 ppbv

RT: 4.89 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Mar 2022 3:39 MDL-AIR-03-OT1-2022DL

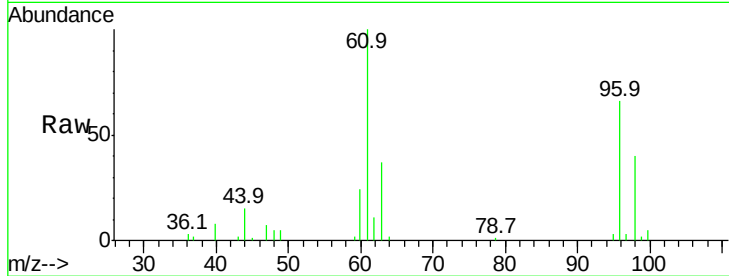
Tgt Ion: 96 Resp: 15290

Ion Ratio Lower Upper

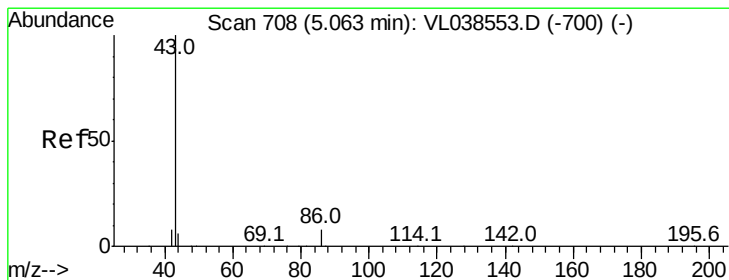
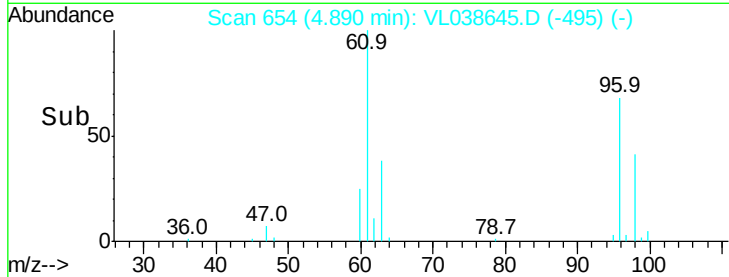
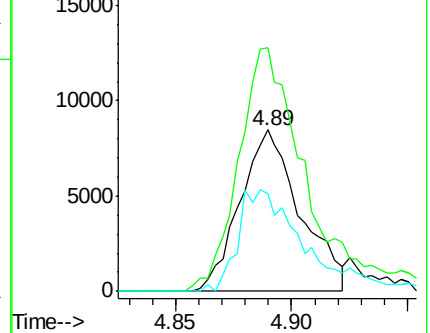
96 100

61 147.7 117.6 176.4

98 60.6 52.6 78.8



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: 0.39 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.02 min

Lab File: VL038645.D

Acq: 18 Mar 2022 3:39

Tgt Ion: 43 Resp: 31420

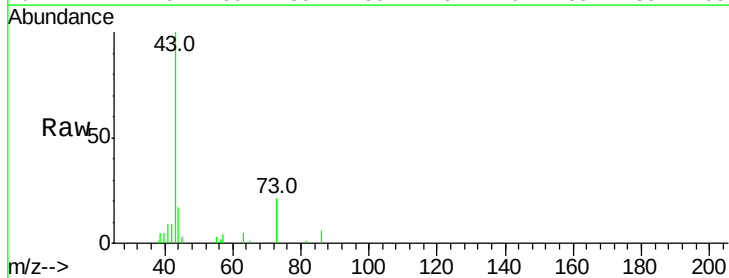
Ion Ratio Lower Upper

43 100

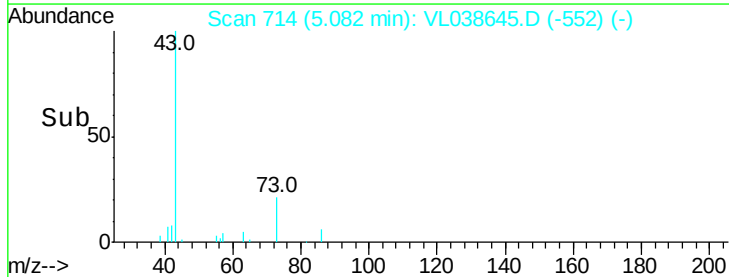
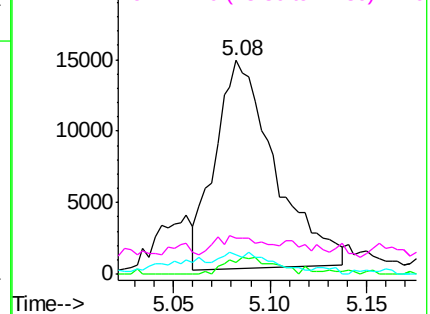
86 6.4 5.6 8.4

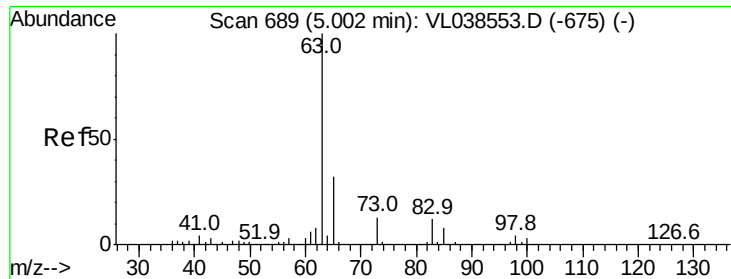
42 10.0 7.1 10.7

44 7.7 4.1 6.1#



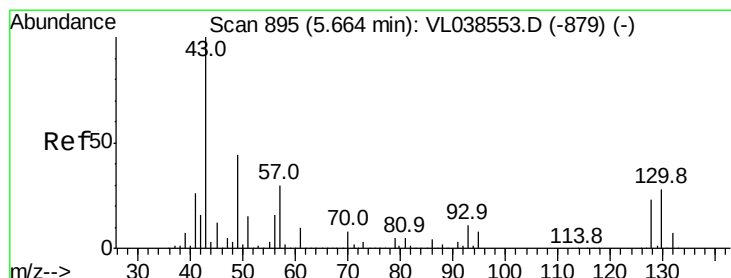
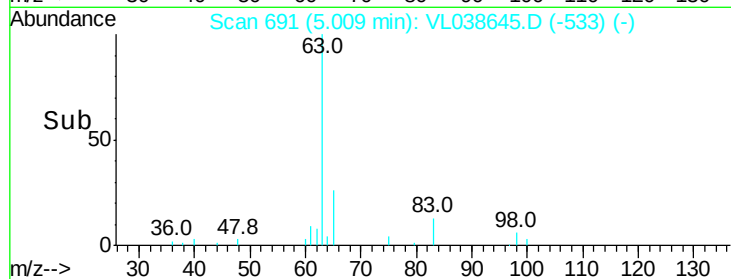
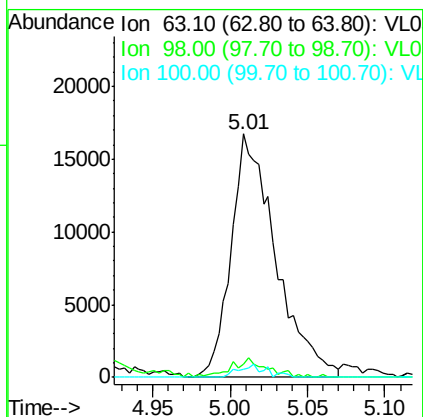
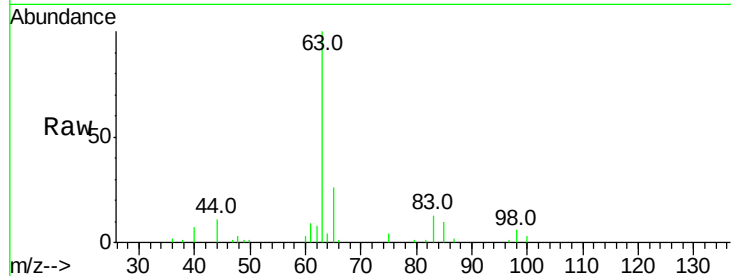
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0





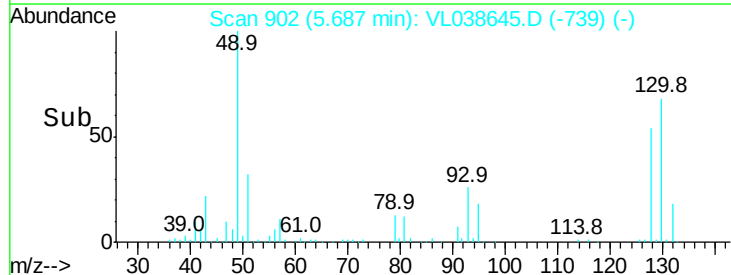
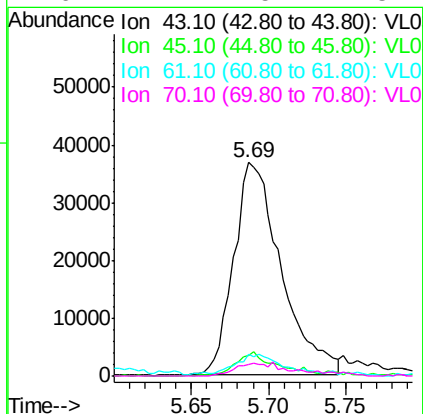
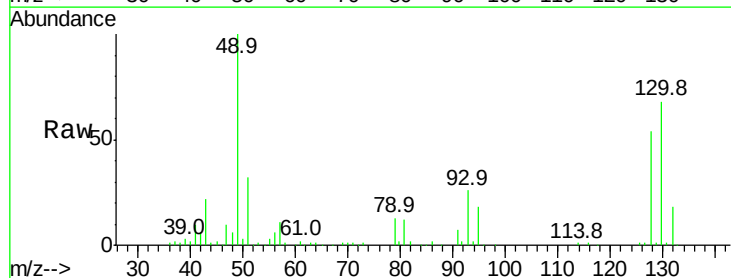
#24
 1,1-Dichloroethane
 Concen: 0.46 ppbv
 RT: 5.01
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 MDL-AIR-03-QT1-2022DL
 Acq: 18 Mar 2022 3:39

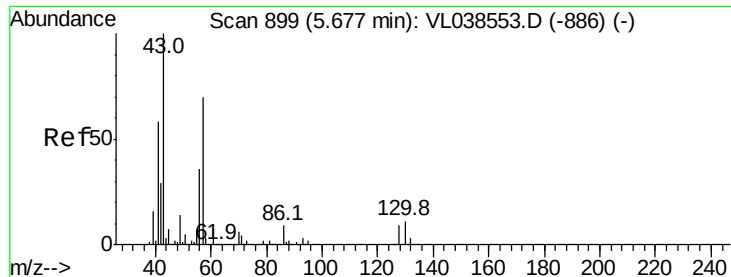
Tgt Ion:	63	Resp:	33553
Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.2	6.6
100	3.1	1.5	4.5



#25
 Ethyl Acetate
 Concen: 0.41 ppbv
 RT: 5.69 min Scan# 902
 Delta R.T. 0.02 min
 Lab File: VL038645.D
 Acq: 18 Mar 2022 3:39

Tgt Ion:	43	Resp:	78286
Ion	Ratio	Lower	Upper
43	100		
45	11.9	8.0	12.0
61	12.2	8.2	12.4
70	7.7	5.4	8.2





#26

Hexane

Concen: 0.41 ppbv

RT: 5.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Mar 2022 3:39

Tgt Ion: 57 Resp: 36681

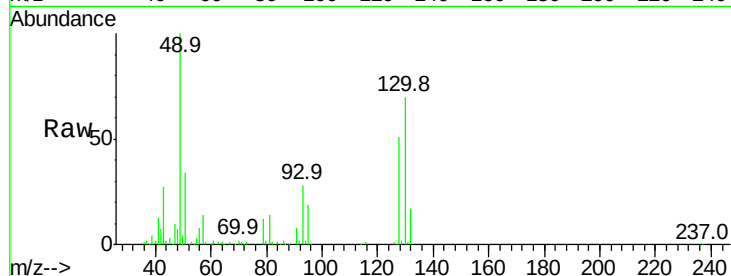
Ion Ratio Lower Upper

57 100

41 97.5 67.8 101.6

43 233.8 173.6 260.4

56 58.9 42.2 63.2

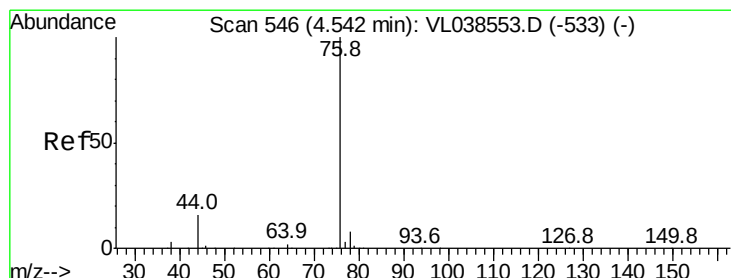
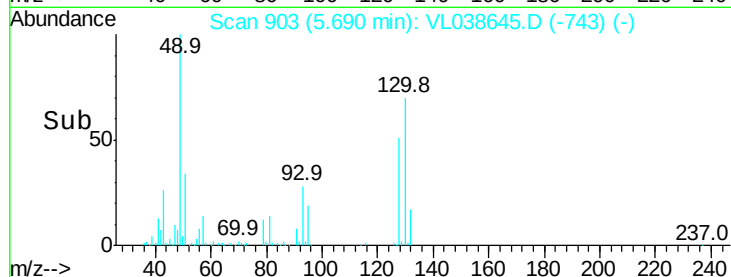
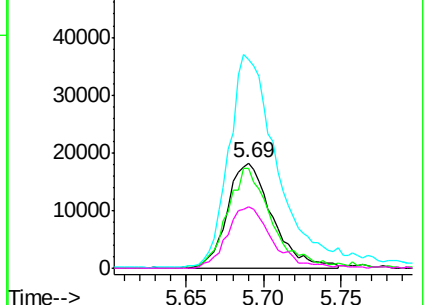


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.36 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.01 min

Lab File: VL038645.D

Acq: 18 Mar 2022 3:39

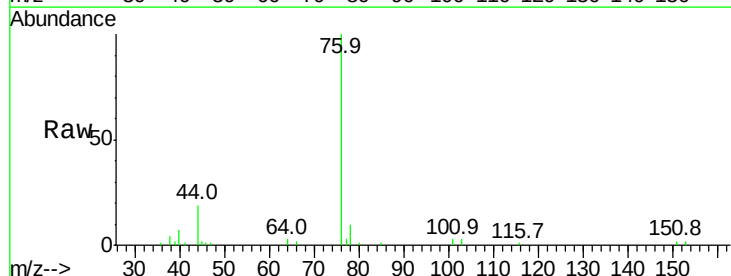
Tgt Ion: 76 Resp: 31695

Ion Ratio Lower Upper

76 100

44 17.2 12.9 19.3

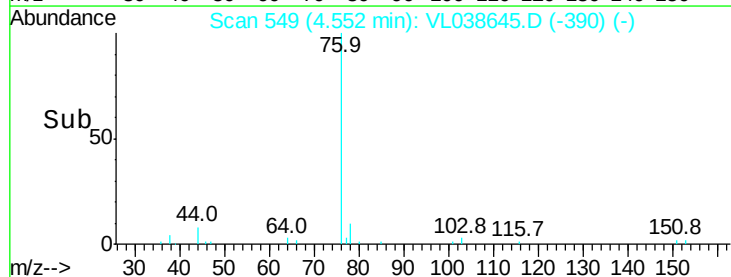
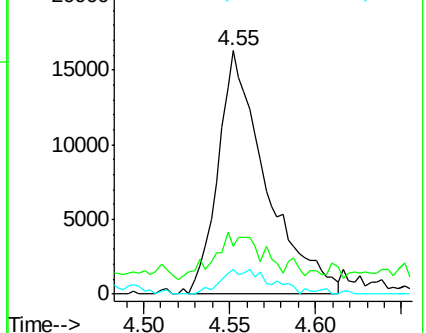
78 11.3 7.8 11.6

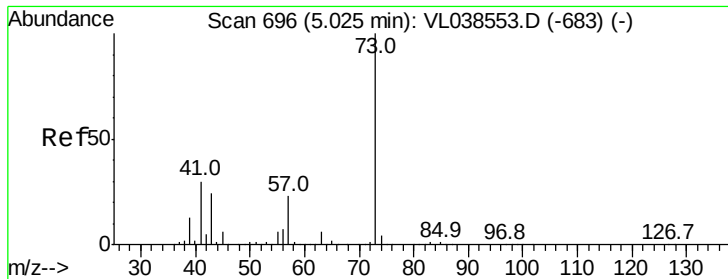


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#28

Methyl tert-Butyl Ether

Concen: 0.42 ppbv

RT: 5.05 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

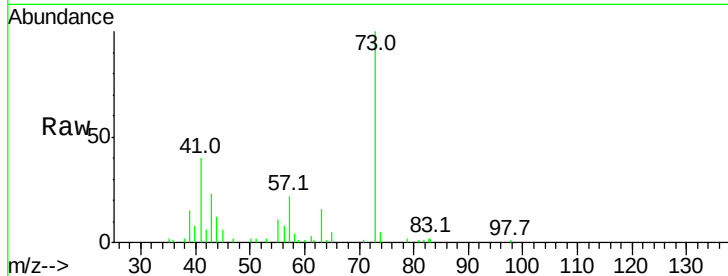
Acq: 18 Mar 2022 3:39 MDL-AIR-03-QT1-2022DL

Tgt Ion: 73 Resp: 30336

Ion Ratio Lower Upper

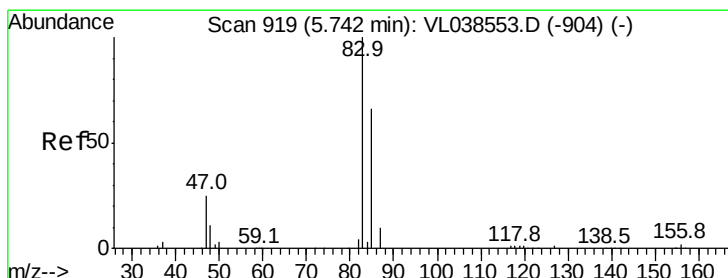
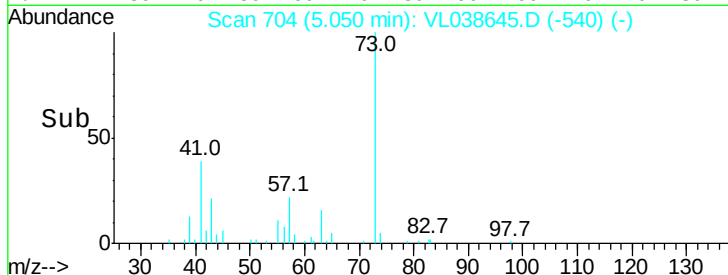
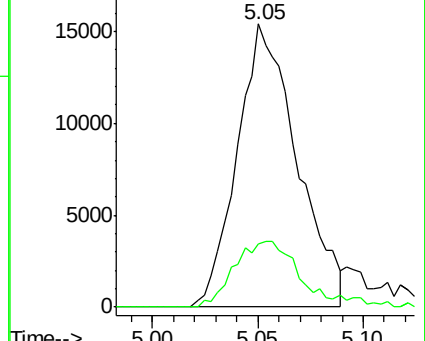
73 100

57 26.3 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: 0.46 ppbv

RT: 5.75 min Scan# 922

Delta R.T. 0.01 min

Lab File: VL038645.D

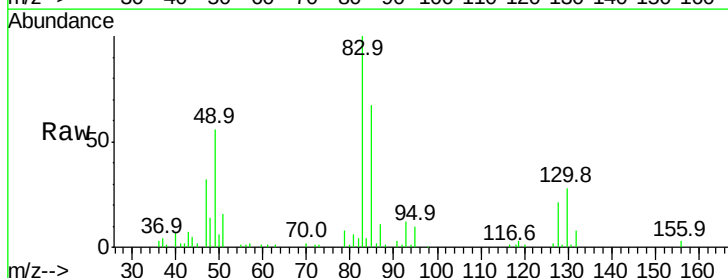
Acq: 18 Mar 2022 3:39

Tgt Ion: 83 Resp: 64466

Ion Ratio Lower Upper

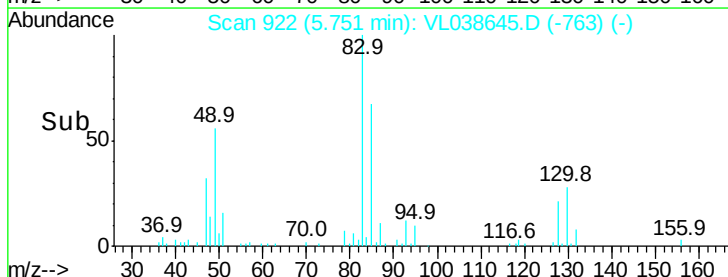
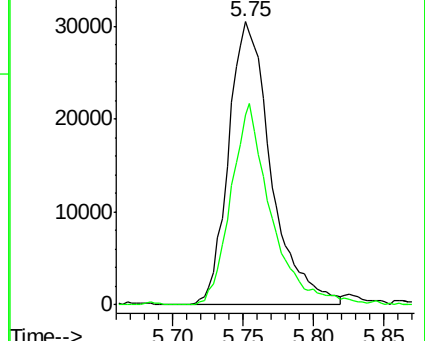
83 100

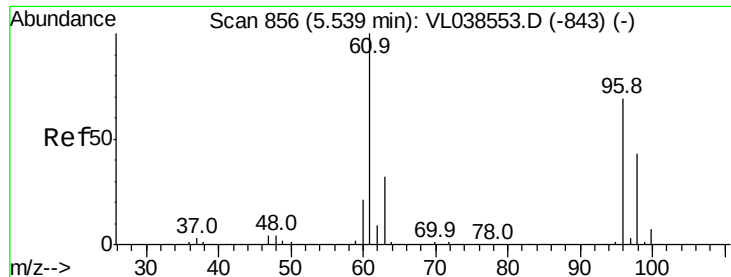
85 67.0 52.8 79.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0





#31

cis-1,2-Dichloroethene

Concen: 0.39 ppbv

RT: 5.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Mar 2022 3:39 MDL-AIR-03-QT1-2022DL

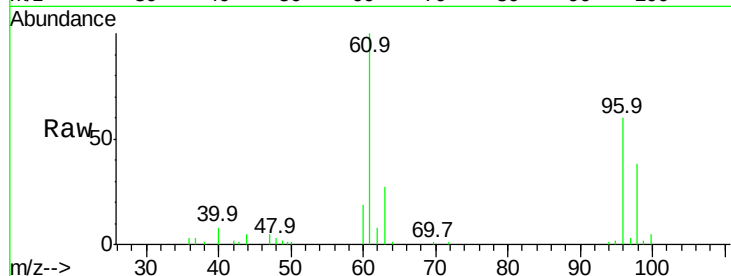
Tgt Ion: 61 Resp: 33366

Ion Ratio Lower Upper

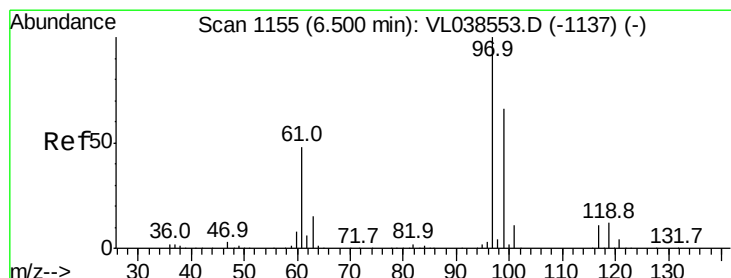
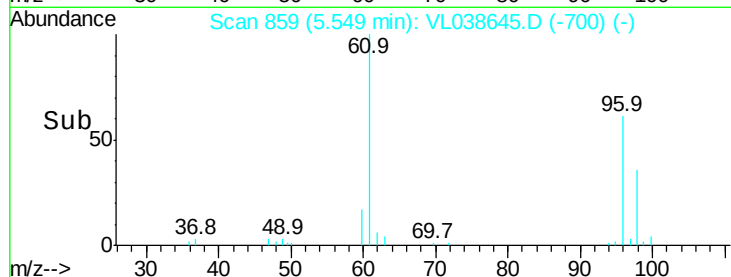
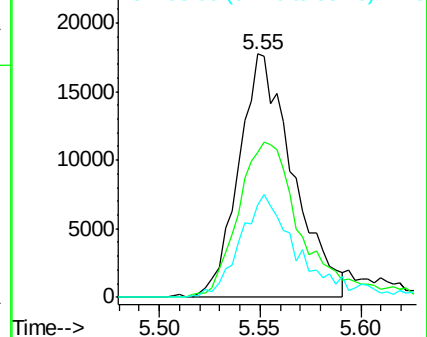
61 100

96 58.6 55.2 82.8

98 38.7 34.2 51.4



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



#32

1,1,1-Trichloroethane

Concen: 0.44 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VL038645.D

Acq: 18 Mar 2022 3:39

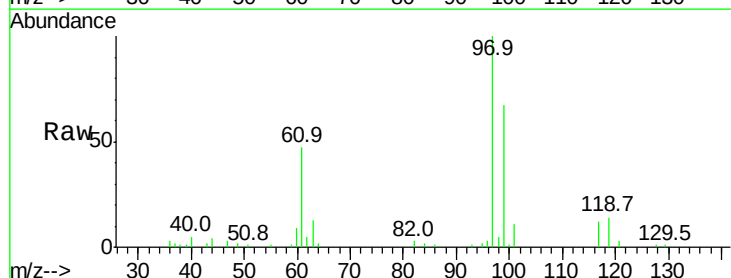
Tgt Ion: 97 Resp: 59885

Ion Ratio Lower Upper

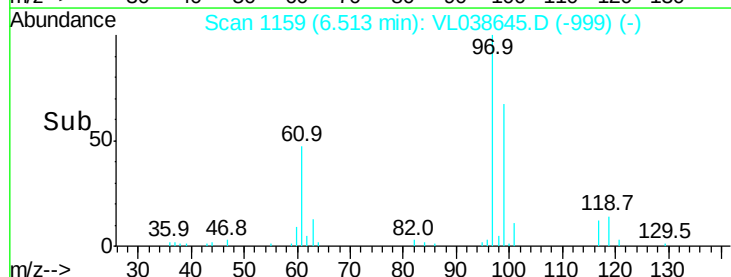
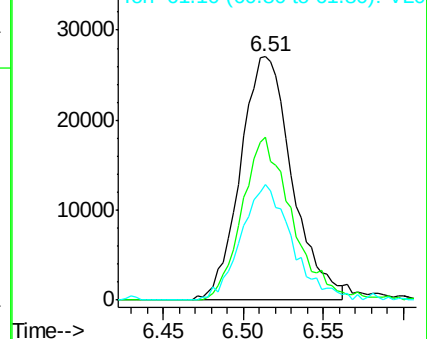
97 100

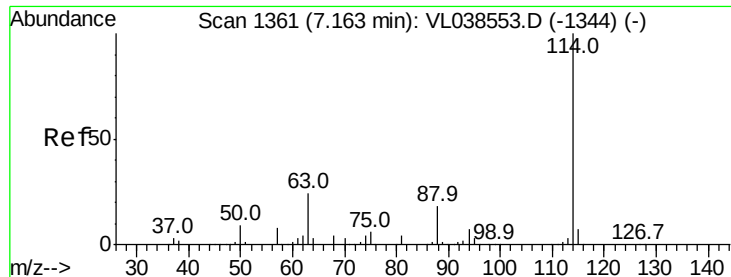
99 65.5 52.1 78.1

61 47.4 37.7 56.5



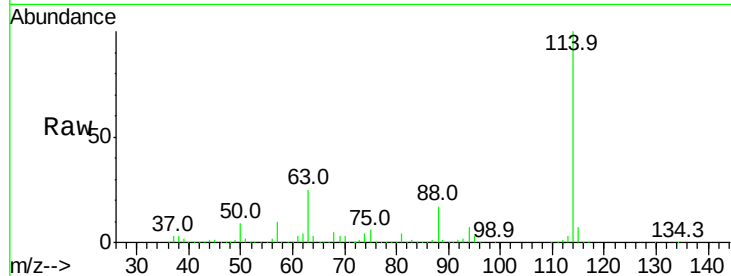
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



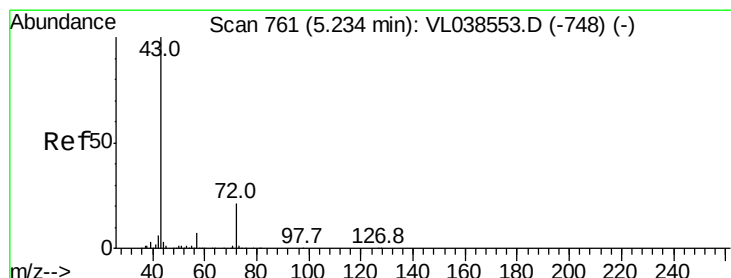
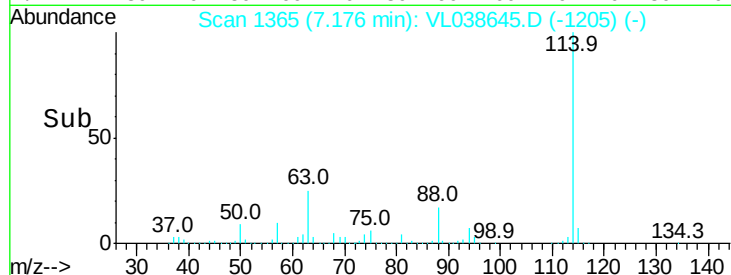
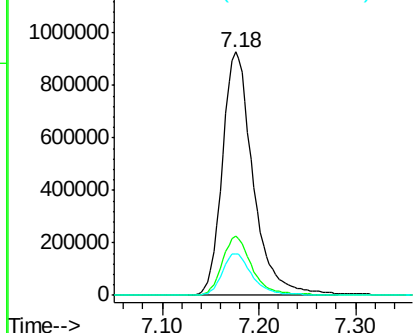


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 MDL-AIR-03-QT1-2022DL
 Acq: 18 Mar 2022 3:39

Tgt Ion:114 Resp: 2048258
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.6 29.4
 88 17.1 13.9 20.9

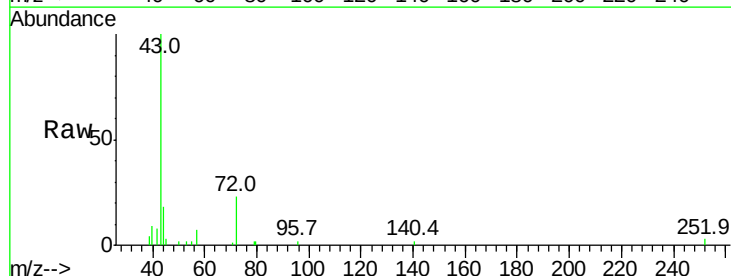


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

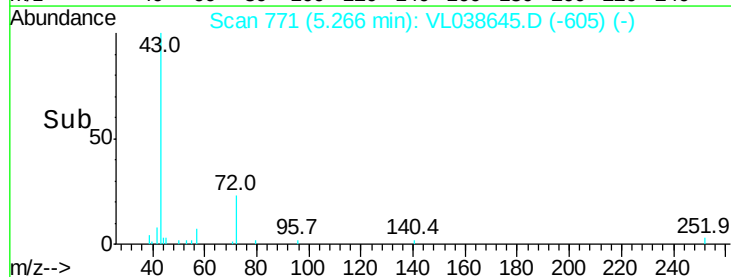
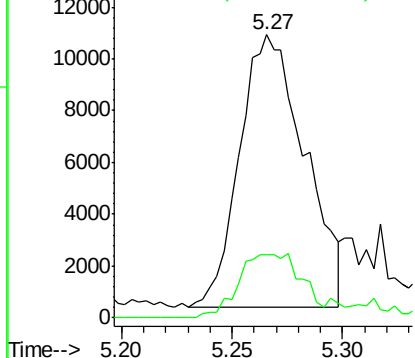


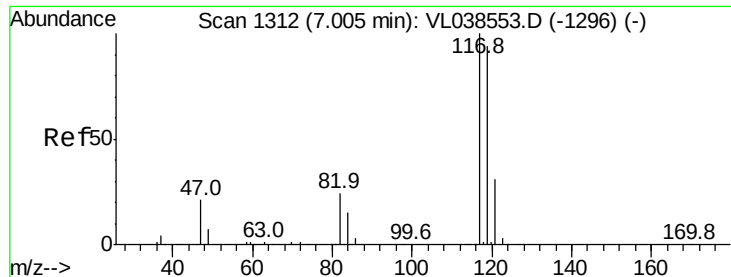
#34
 2-Butanone
 Concen: 0.41 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. 0.03 min
 Lab File: VL038645.D
 Acq: 18 Mar 2022 3:39

Tgt Ion: 43 Resp: 21577
 Ion Ratio Lower Upper
 43 100
 72 28.8 17.8 26.6#



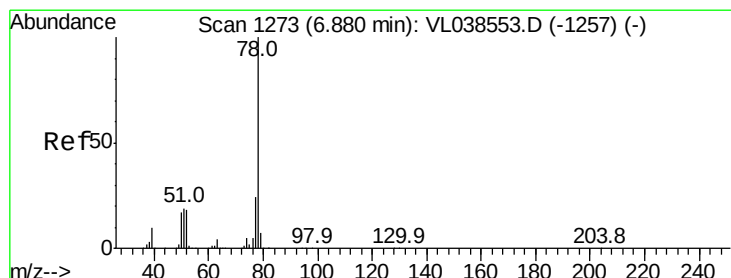
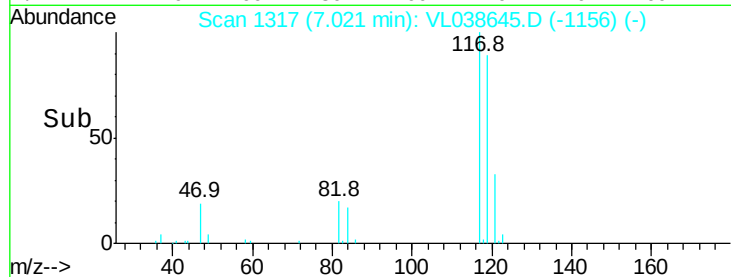
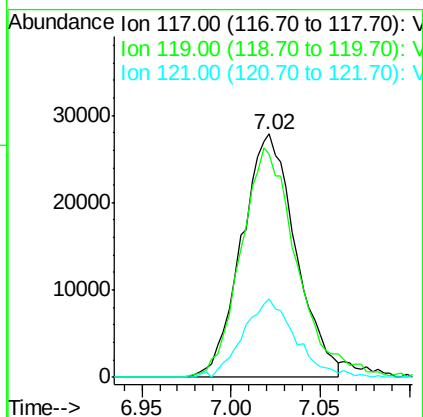
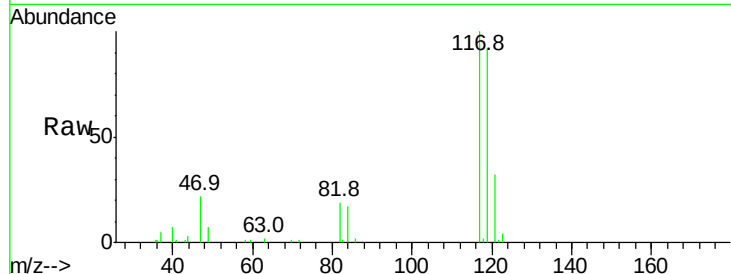
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





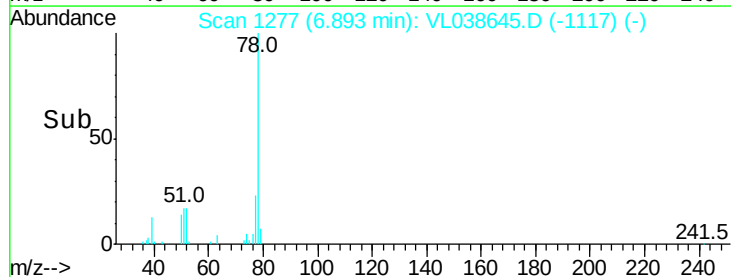
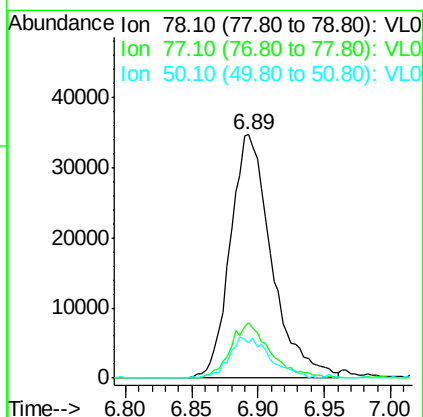
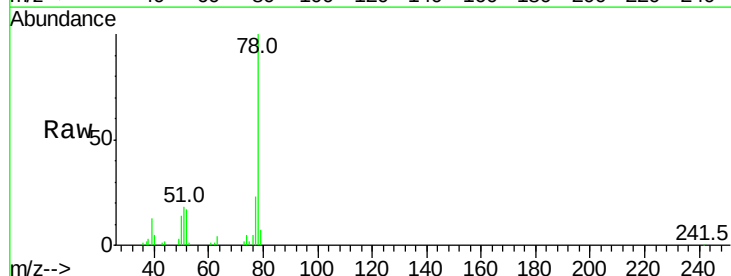
#35
Carbon Tetrachloride
Concen: 0.42 ppbv
RT: 7.02
Instrument: MSVOA_L
Delta R.T.:
ClientSampleId:
Lab File: MDL-AIR-03-QT1-2022DL
Acq: 18 Mar 2022 3:39

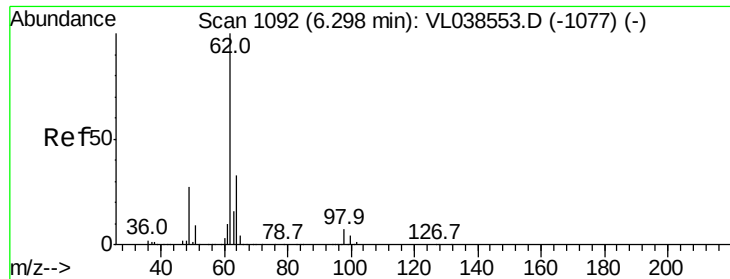
Tgt Ion: 117 Resp: 59071
Ion Ratio Lower Upper
117 100
119 91.1 75.2 112.8
121 33.2 24.8 37.2



#36
Benzene
Concen: 0.41 ppbv
RT: 6.89 min Scan# 1277
Delta R.T.: 0.01 min
Lab File: VL038645.D
Acq: 18 Mar 2022 3:39

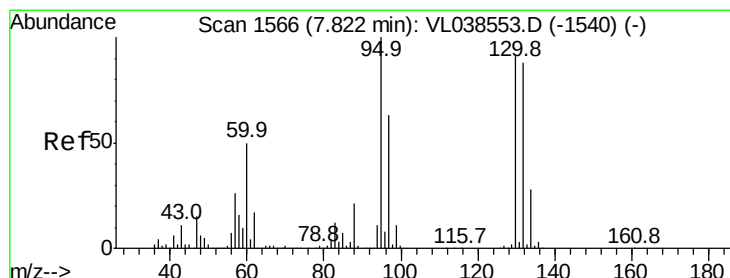
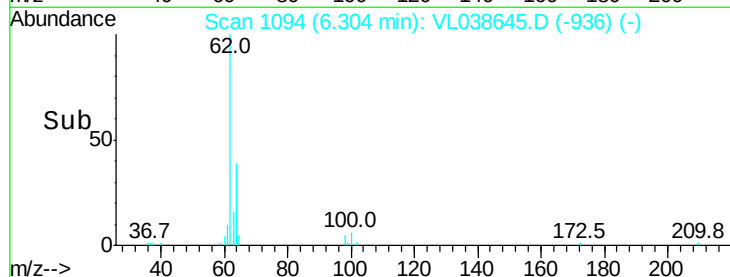
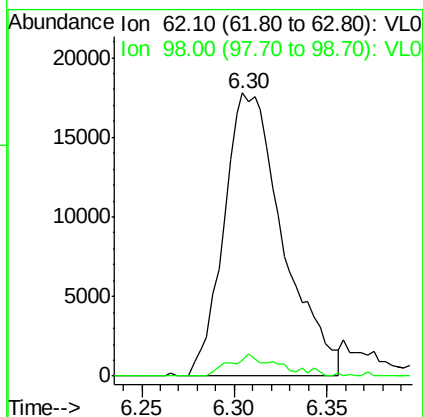
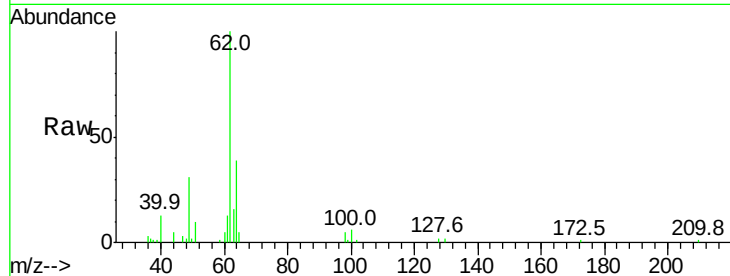
Tgt Ion: 78 Resp: 75184
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.4
50 14.4 13.9 20.9





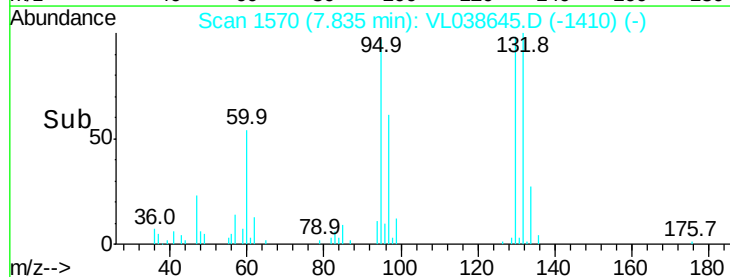
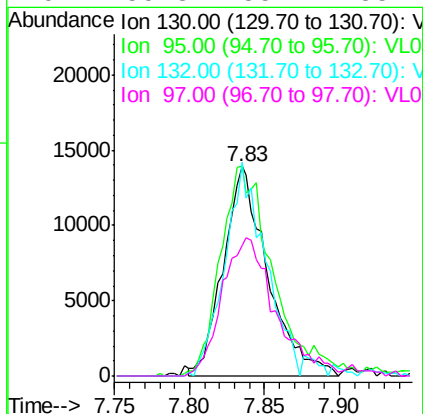
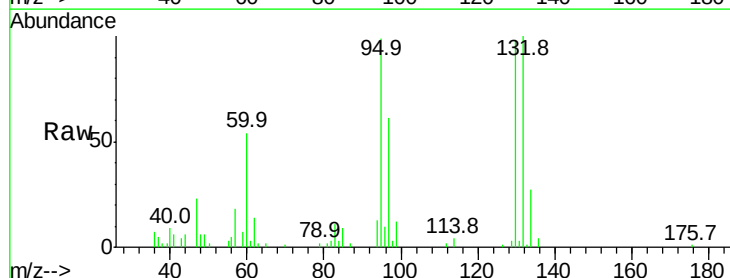
#37
 1,2-Dichloroethane
 Concen: 0.44 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 18 Mar 2022 3:39

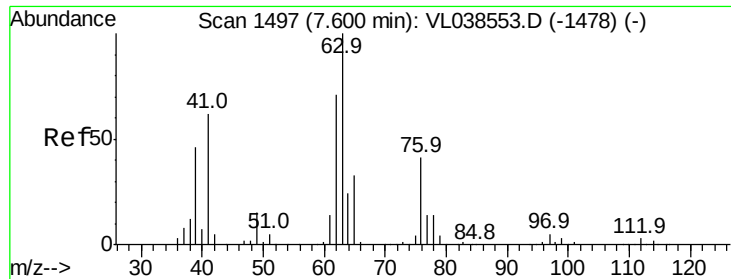
Tgt Ion: 62 Resp: 39262
 Ion Ratio Lower Upper
 62 100
 98 6.4 5.7 8.5



#38
 Trichloroethene
 Concen: 0.39 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VL038645.D
 Acq: 18 Mar 2022 3:39

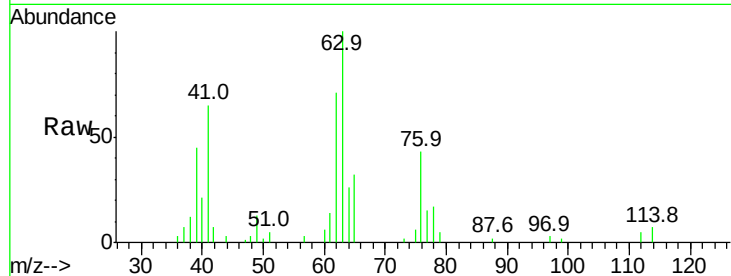
Tgt Ion: 130 Resp: 28953
 Ion Ratio Lower Upper
 130 100
 95 95.3 87.8 131.8
 132 97.0 77.5 116.3
 97 59.3 55.4 83.2



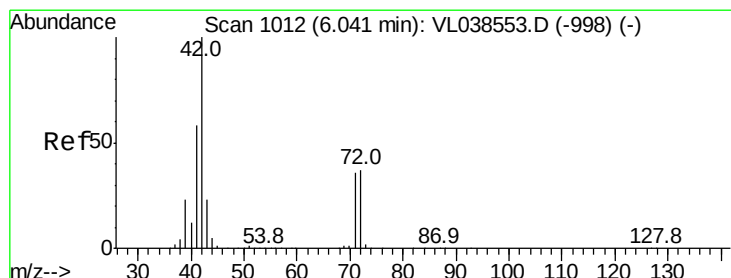
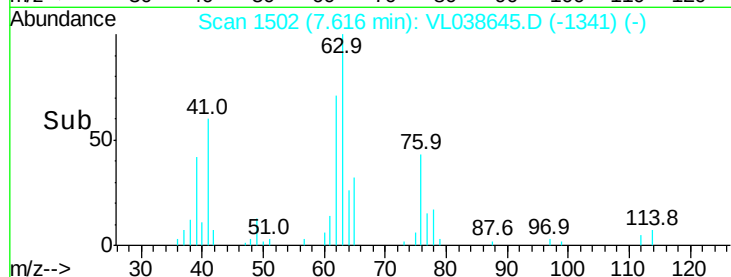
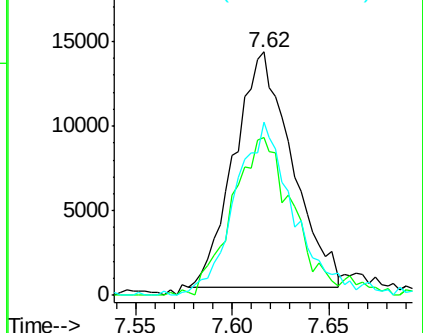


#39
 1,2-Dichloropropane
 Concen: 0.41 ppbv
 RT: 7.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 MDL-AIR-03-QT1-2022DL
 Acq: 18 Mar 2022 3:39

Tgt Ion: 63 Resp: 28868
 Ion Ratio Lower Upper
 63 100
 41 66.7 49.8 74.6
 62 72.9 56.7 85.1

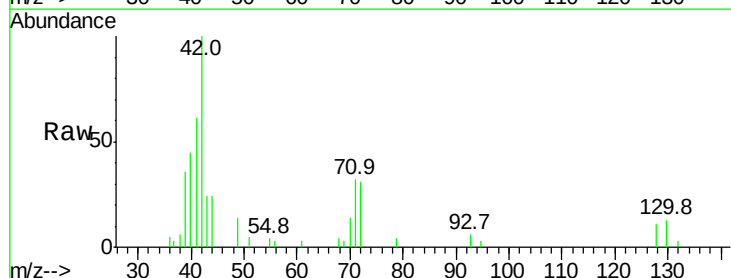


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

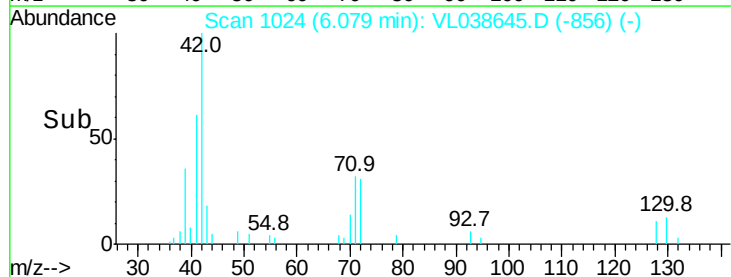
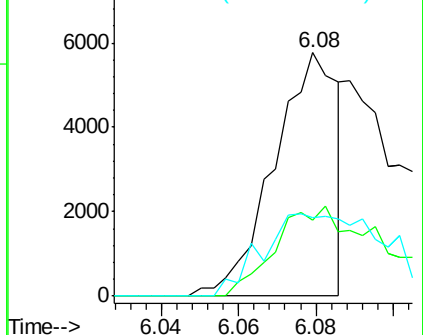


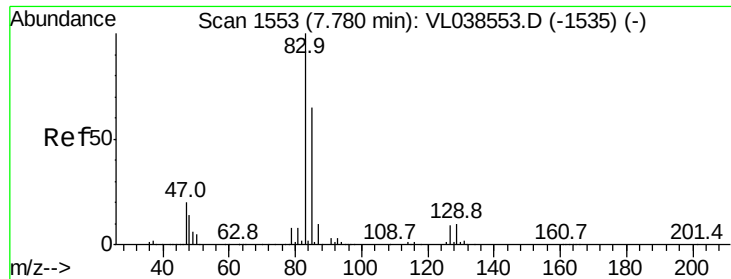
#41
 Tetrahydrofuran
 Concen: 0.15 ppbv
 RT: 6.08 min Scan# 1024
 Delta R.T. 0.04 min
 Lab File: VL038645.D
 Acq: 18 Mar 2022 3:39

Tgt Ion: 42 Resp: 6585
 Ion Ratio Lower Upper
 42 100
 72 81.3 30.9 46.3#
 71 87.3 29.1 43.7#



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: 0.41 ppbv

RT: 7.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Mar 2022 3:39 MDL-AIR-03-QT1-2022DL

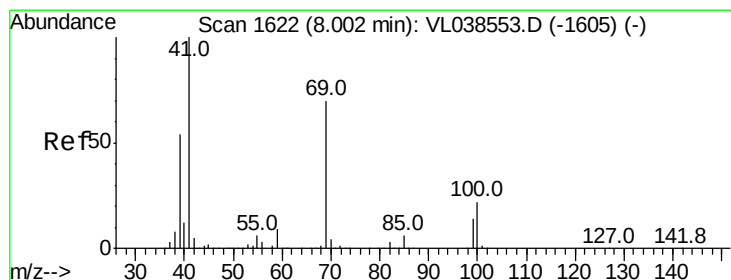
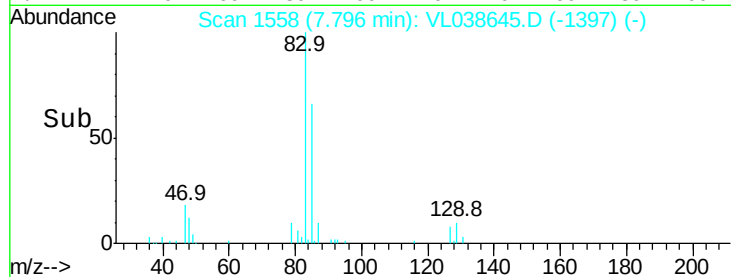
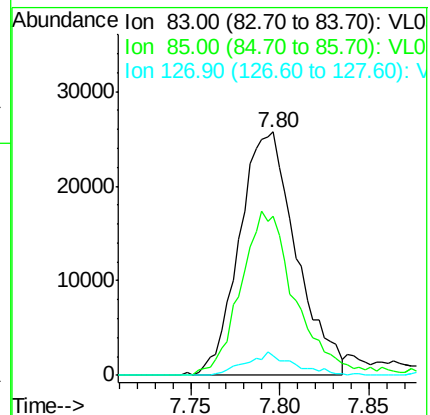
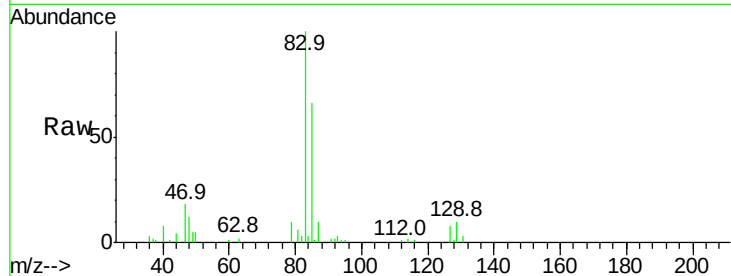
Tgt Ion: 83 Resp: 57112

Ion Ratio Lower Upper

83 100

85 66.7 51.7 77.5

127 8.0 6.9 10.3



#43

Methyl Methacrylate

Concen: 0.13 ppbv

RT: 8.02 min Scan# 1627

Delta R.T. 0.02 min

Lab File: VL038645.D

Acq: 18 Mar 2022 3:39

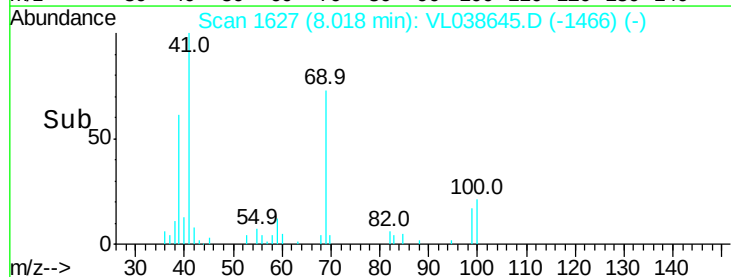
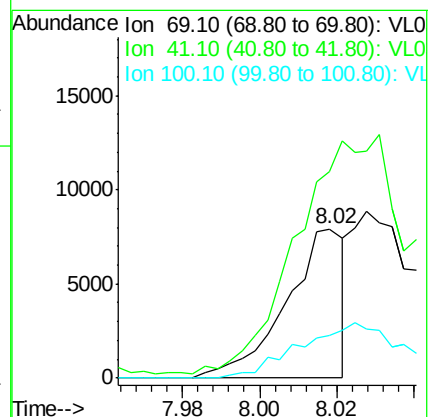
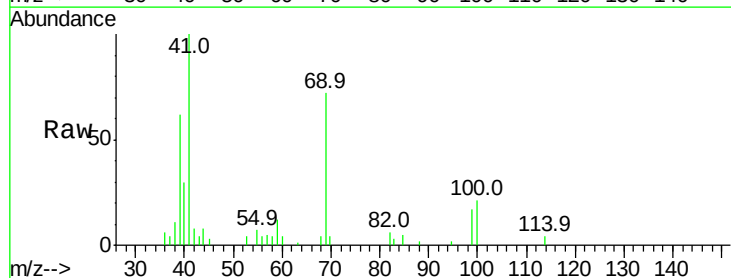
Tgt Ion: 69 Resp: 8267

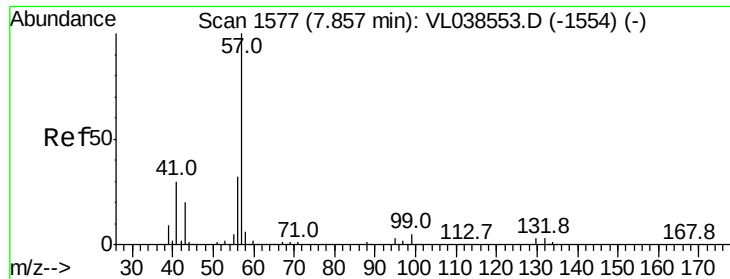
Ion Ratio Lower Upper

69 100

41 0.0 113.8 170.6#

100 0.0 24.4 36.6#





#44

2,2,4-Trimethylpentane

Concen: 0.38 ppbv

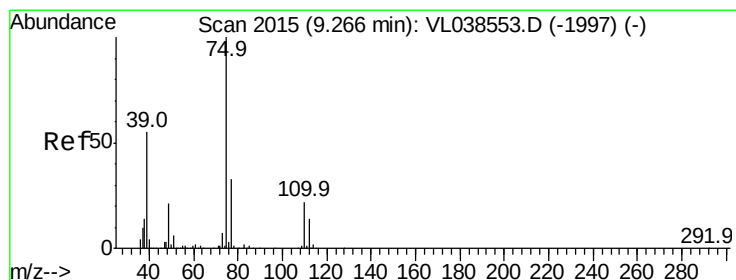
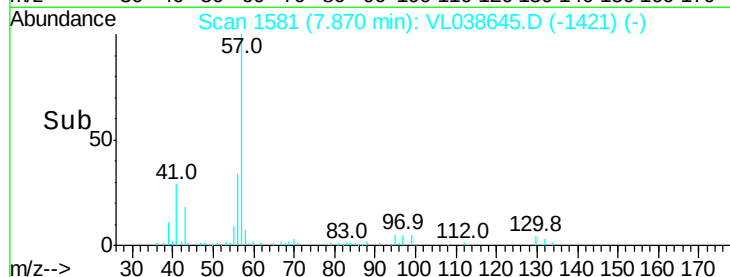
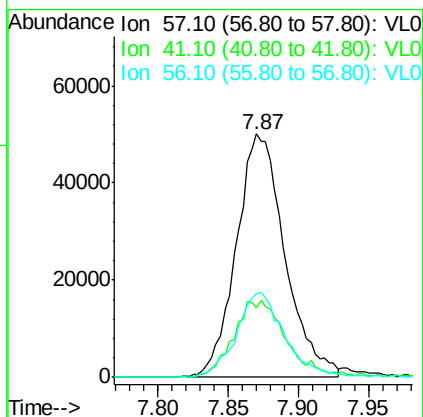
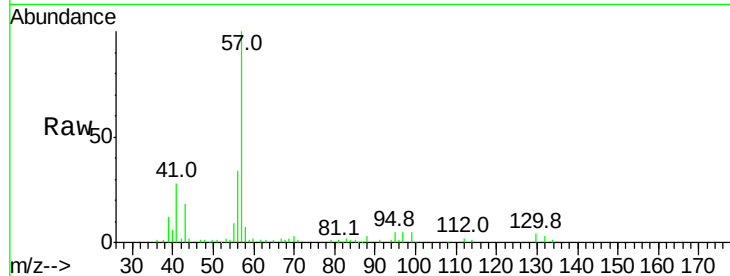
RT: 7.87 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: MDL-AIR-03-QT1-2022DL

Acq: 18 Mar 2022 3:39

Tgt Ion:	57	Resp:	119664
Ion	Ratio	Lower	Upper
57	100		
41	35.2	24.0	36.0
56	35.0	25.6	38.4



#45

t-1,3-Dichloropropene

Concen: 0.15 ppbv

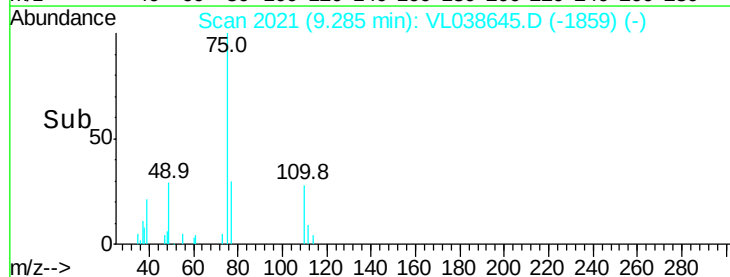
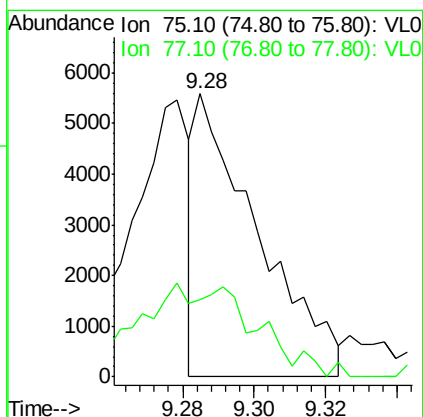
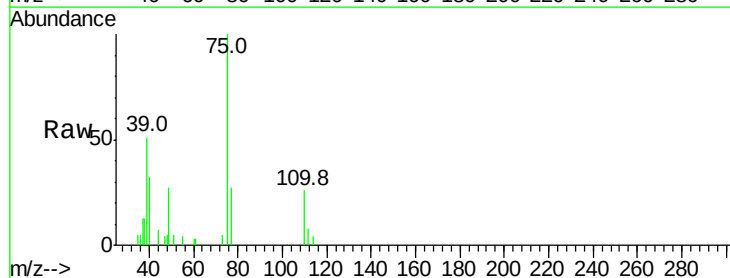
RT: 9.28 min Scan# 2021

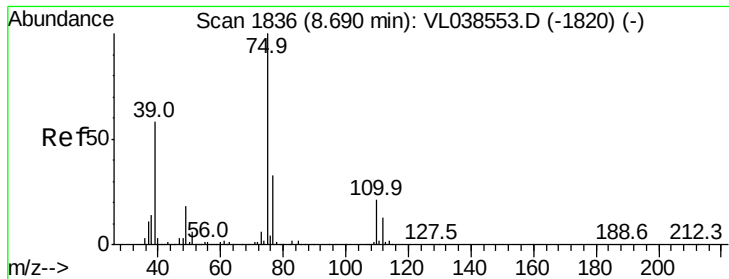
Delta R.T. 0.02 min

Lab File: VL038645.D

Acq: 18 Mar 2022 3:39

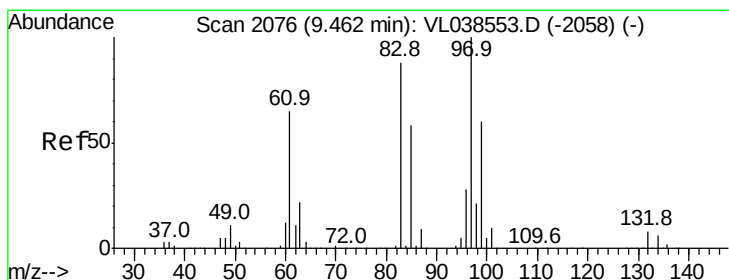
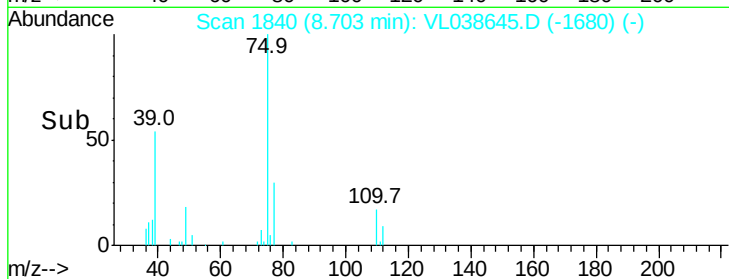
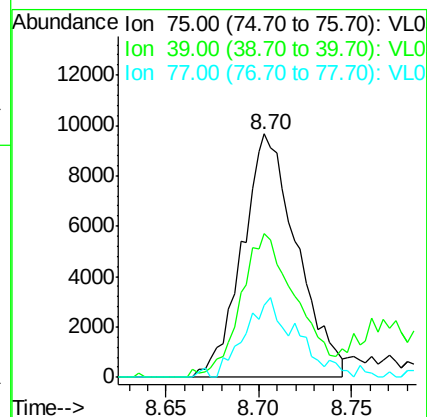
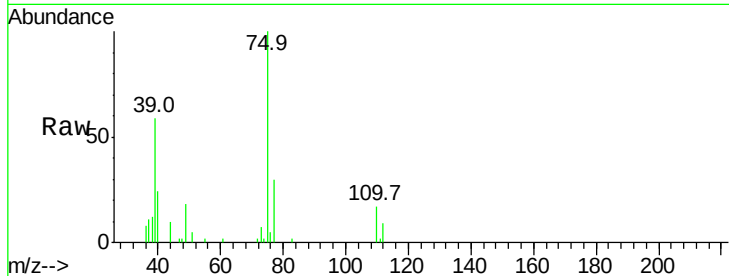
Tgt Ion:	75	Resp:	6757
Ion	Ratio	Lower	Upper
75	100		
77	27.2	26.6	40.0





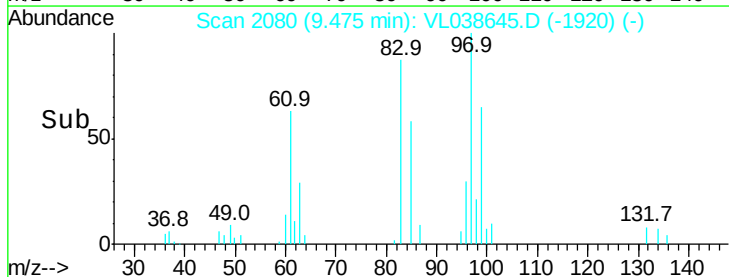
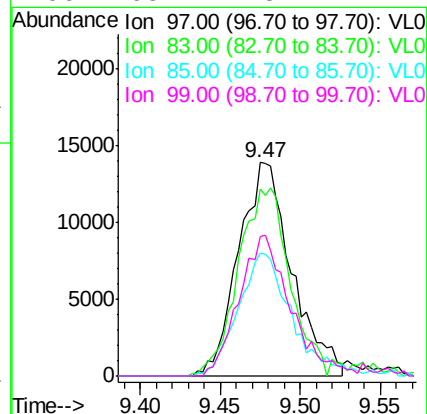
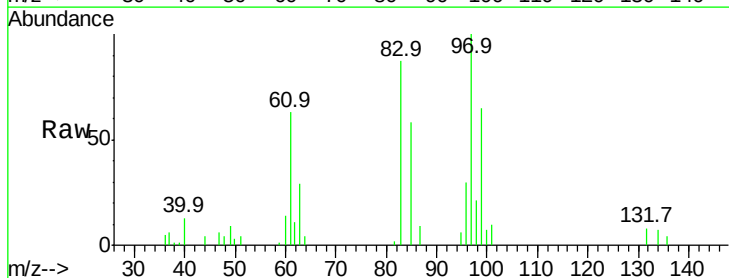
#46
 cis-1,3-Dichloropropene
 Concen: 0.32 ppbv
 RT: 8.70
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 18 Mar 2022 3:39

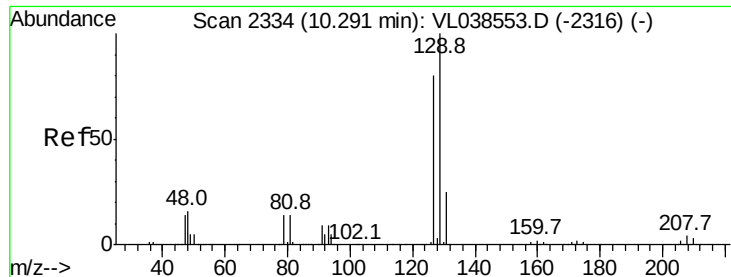
Tgt Ion: 75 Resp: 19849
 Ion Ratio Lower Upper
 75 100
 39 56.0 46.2 69.2
 77 29.8 26.2 39.2



#47
 1,1,2-Trichloroethane
 Concen: 0.44 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VL038645.D
 Acq: 18 Mar 2022 3:39

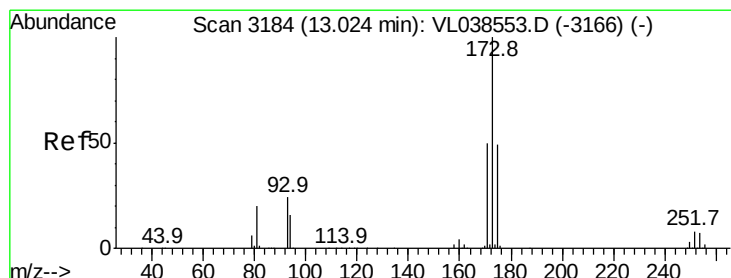
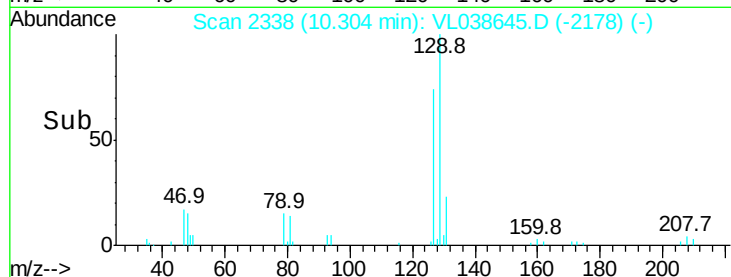
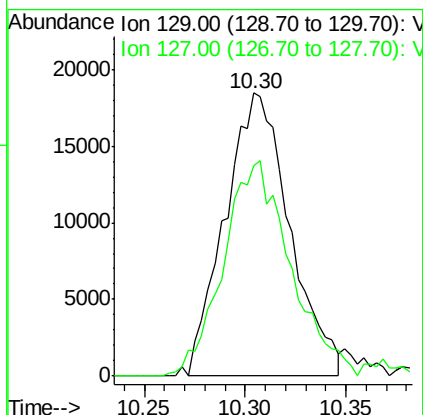
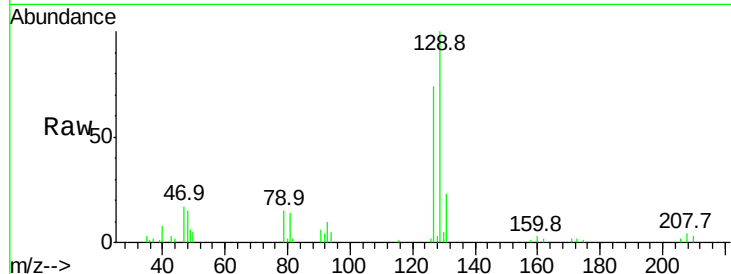
Tgt Ion: 97 Resp: 31787
 Ion Ratio Lower Upper
 97 100
 83 86.1 70.1 105.1
 85 57.6 46.6 69.8
 99 65.1 48.1 72.1





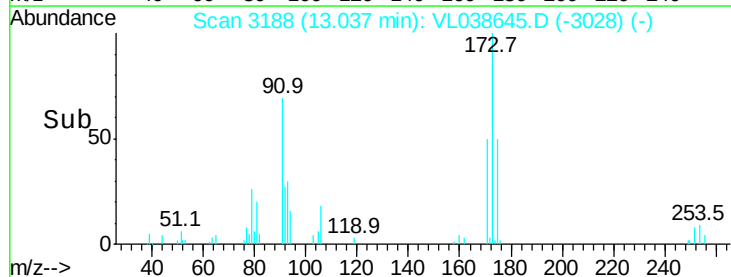
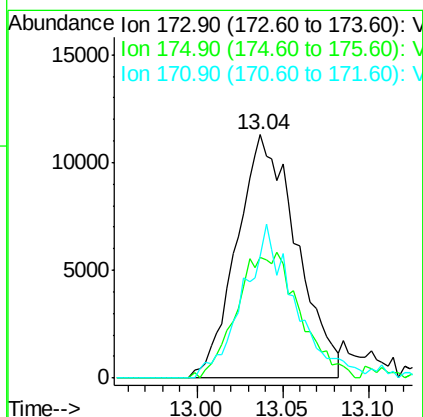
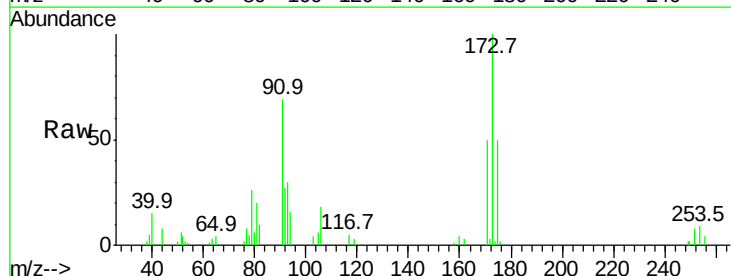
#48
 Dibromochloromethane
 Concen: 0.36 ppbv
 RT: 10.30 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 18 Mar 2022 3:39 MDL-AIR-03-QT1-2022DL

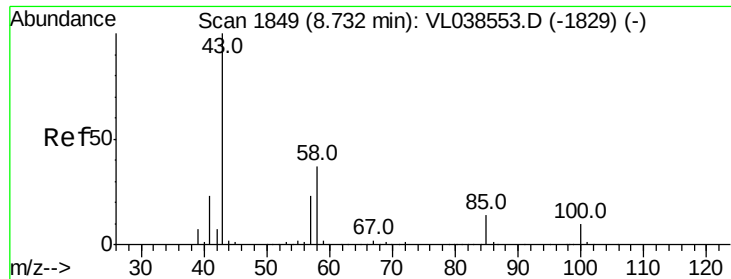
Tgt Ion:129 Resp: 41335
 Ion Ratio Lower Upper
 129 100
 127 81.6 39.5 118.3



#49
 Bromoform
 Concen: 0.31 ppbv
 RT: 13.04 min Scan# 3188
 Delta R.T. 0.01 min
 Lab File: VL038645.D
 Acq: 18 Mar 2022 3:39

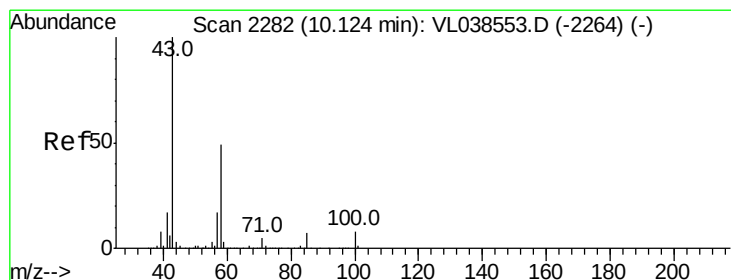
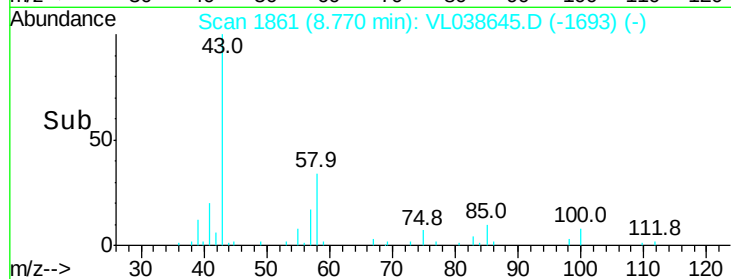
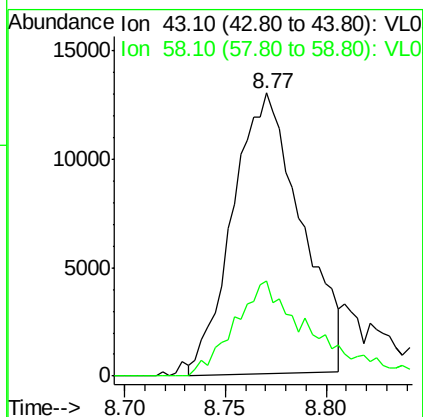
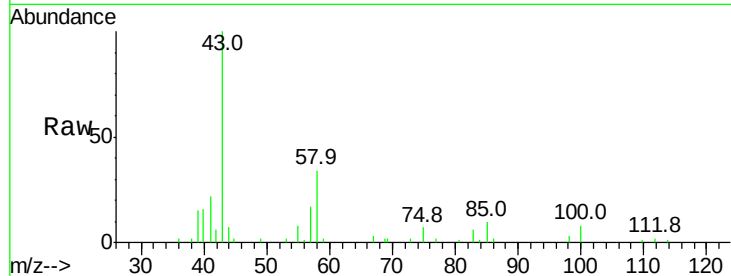
Tgt Ion:173 Resp: 27279
 Ion Ratio Lower Upper
 173 100
 175 53.9 40.7 61.1
 171 56.8 42.9 64.3





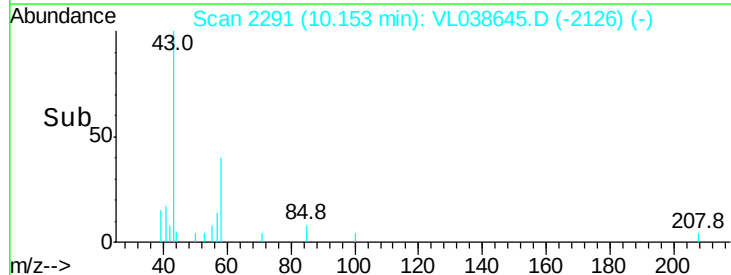
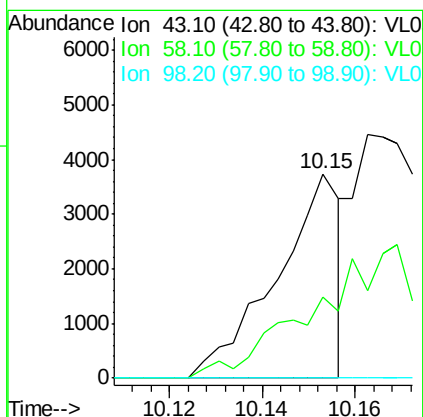
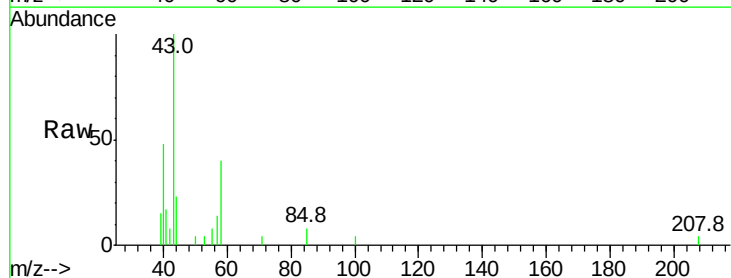
#50
 4-Methyl-2-Pentanone
 Concen: 0.28 ppbv
 RT: 8.77
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 18 Mar 2022 3:39 MDL-AIR-03-OT1-2022DL

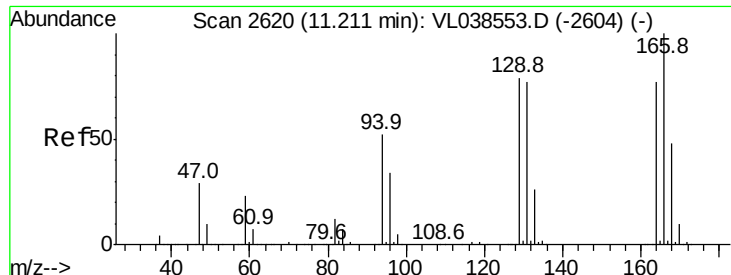
Tgt Ion: 43 Resp: 30717
 Ion Ratio Lower Upper
 43 100
 58 39.7 29.2 43.8



#51
 2-Hexanone
 Concen: 0.08 ppbv
 RT: 10.15 min Scan# 2291
 Delta R.T. 0.03 min
 Lab File: VL038645.D
 Acq: 18 Mar 2022 3:39

Tgt Ion: 43 Resp: 3564
 Ion Ratio Lower Upper
 43 100
 58 0.0 40.1 60.1#
 98 0.0 0.4 0.6#





#52

Tetrachloroethene

Concen: 0.18 ppbv

RT: 11.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Mar 2022 3:39 MDL-AIR-03-QT1-2022DL

Tgt Ion: 164 Resp: 11978

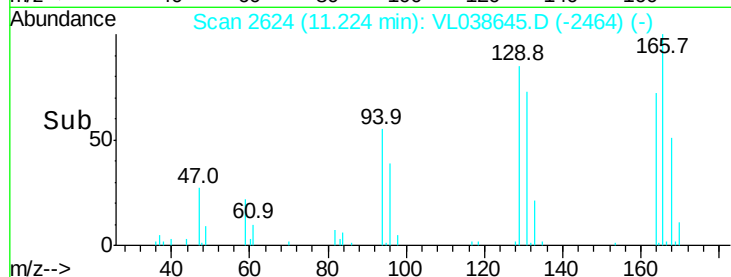
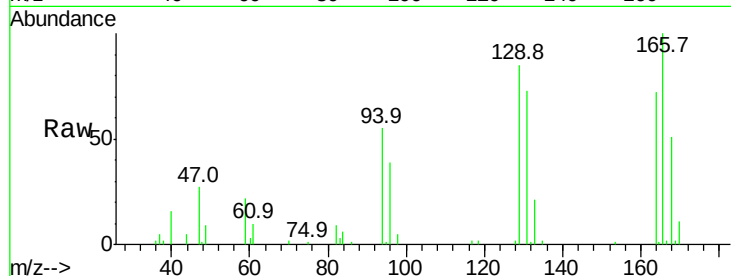
Ion Ratio Lower Upper

164 100

166 140.3 103.4 155.2

129 119.0 81.3 121.9

131 110.1 79.8 119.8

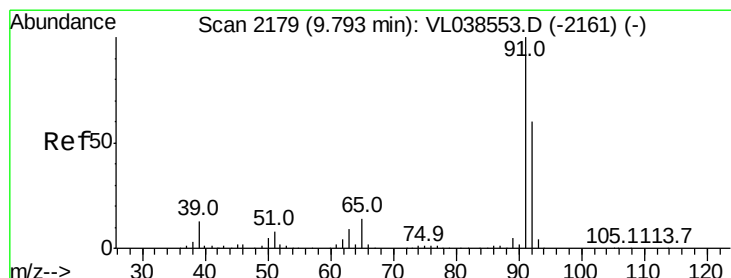
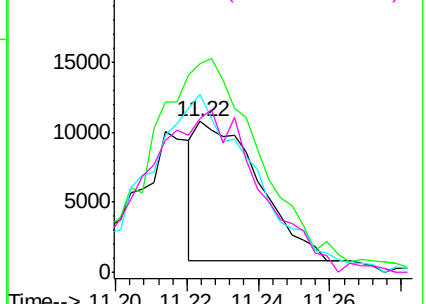


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.33 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. 0.01 min

Lab File: VL038645.D

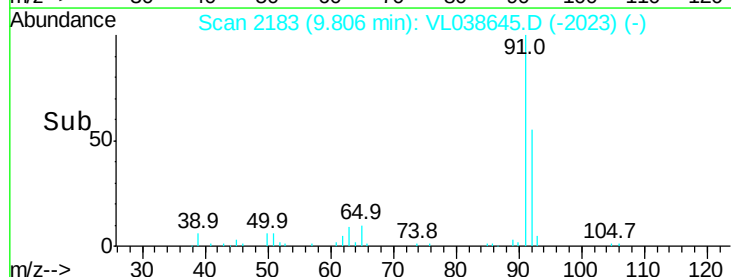
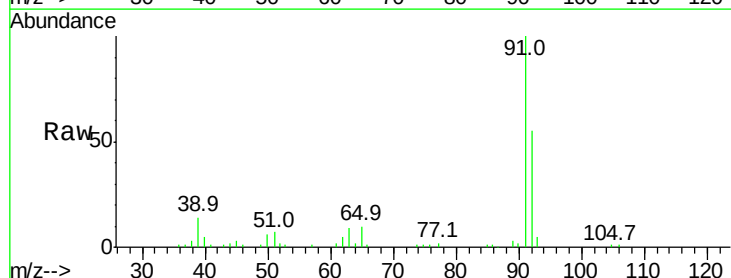
Acq: 18 Mar 2022 3:39

Tgt Ion: 91 Resp: 65482

Ion Ratio Lower Upper

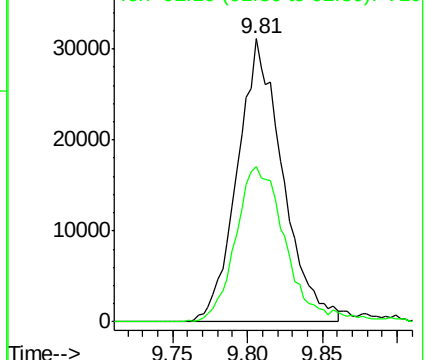
91 100

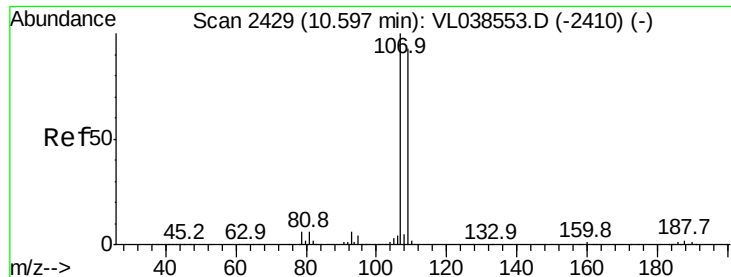
92 61.8 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

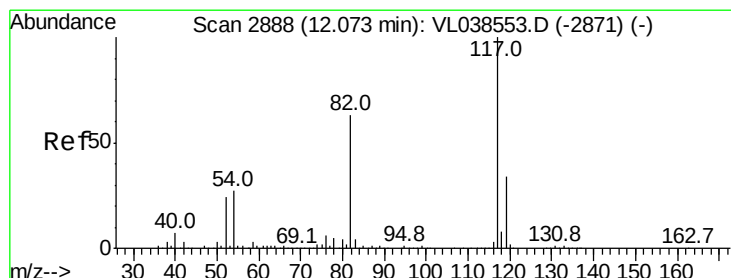
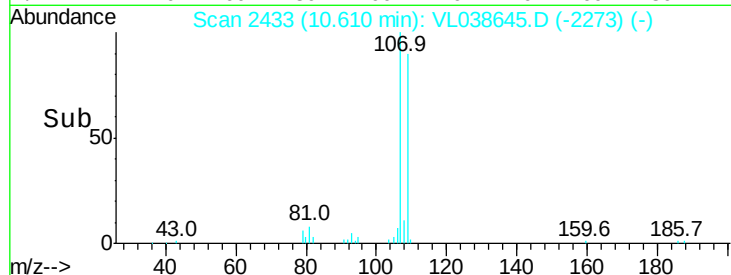
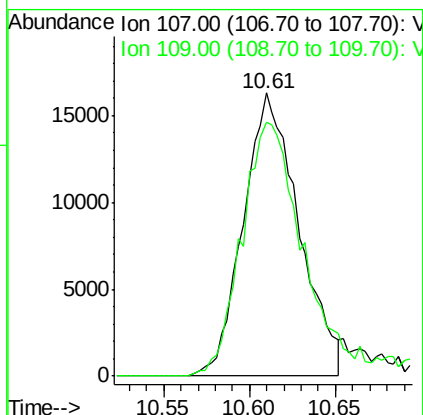
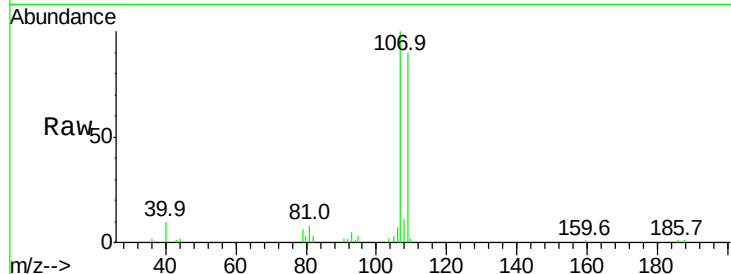
Ion 92.10 (91.80 to 92.80): VL0





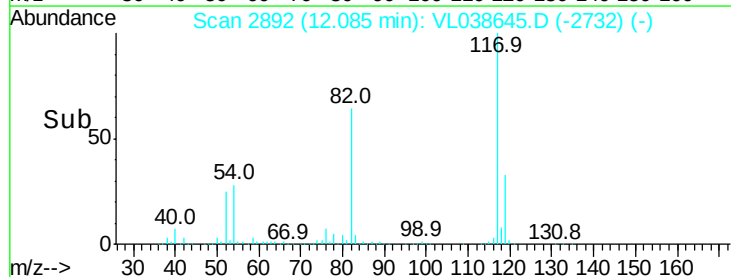
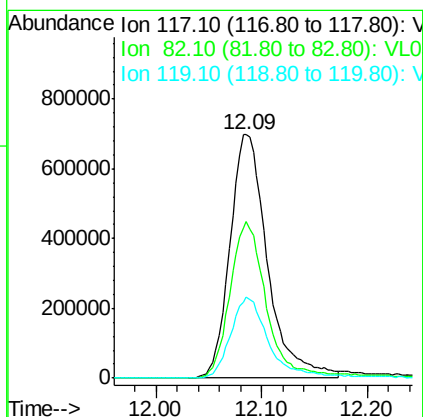
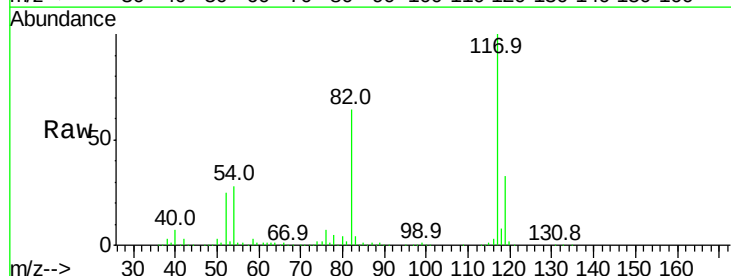
#54
 1,2-Dibromoethane
 Concen: 0.35 ppbv
 RT: 10.61 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 18 Mar 2022 3:39 MDL-AIR-03-QT1-2022DL

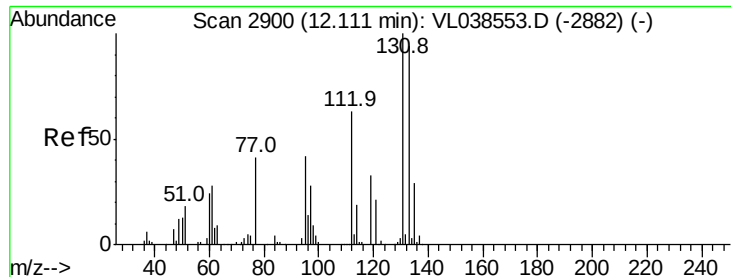
Tgt Ion: 107 Resp: 36448
 Ion Ratio Lower Upper
 107 100
 109 89.9 74.6 112.0



#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.09 min Scan# 2892
 Delta R.T. 0.01 min
 Lab File: VL038645.D
 Acq: 18 Mar 2022 3:39

Tgt Ion: 117 Resp: 1725700
 Ion Ratio Lower Upper
 117 100
 82 64.3 52.5 78.7
 119 34.2 46.4 69.6#





#56

1,1,1,2-Tetrachloroethane

Concen: 0.49 ppbv

RT: 12.12

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Mar 2022 3:39 MDL-AIR-03-QT1-2022DL

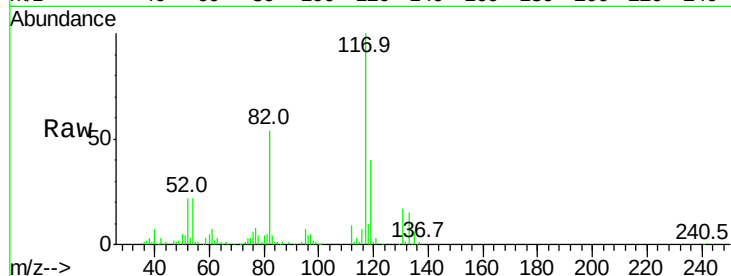
Tgt Ion:131 Resp: 34735

Ion Ratio Lower Upper

131 100

133 93.6 78.0 117.0

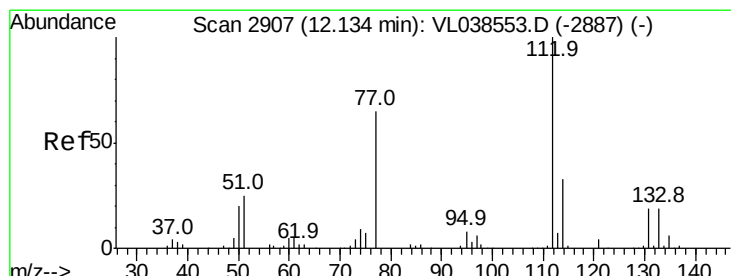
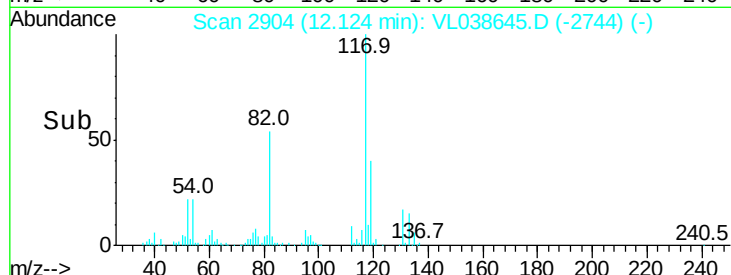
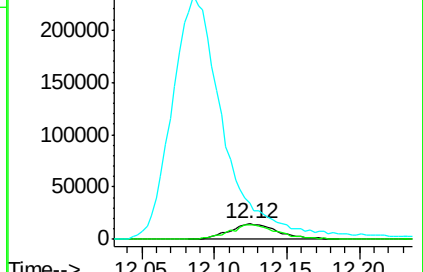
119 1704.7 53.1 79.7#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#57

Chlorobenzene

Concen: 0.47 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. 0.01 min

Lab File: VL038645.D

Acq: 18 Mar 2022 3:39

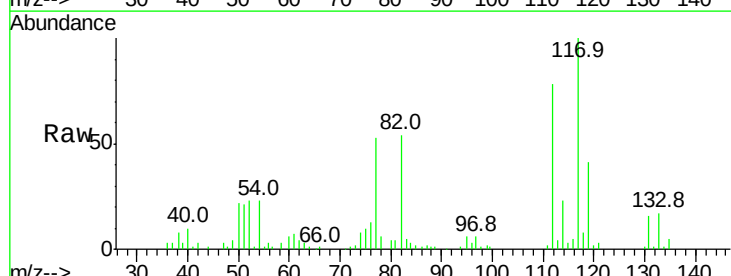
Tgt Ion:112 Resp: 61585

Ion Ratio Lower Upper

112 100

77 63.8 52.5 78.7

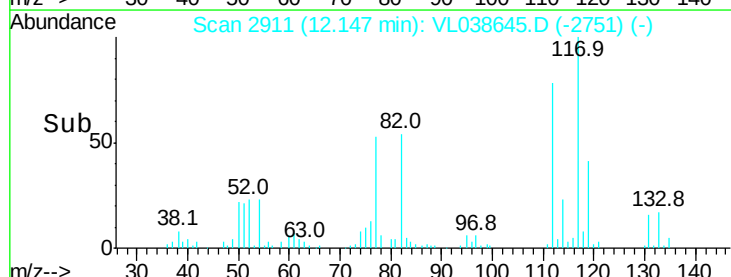
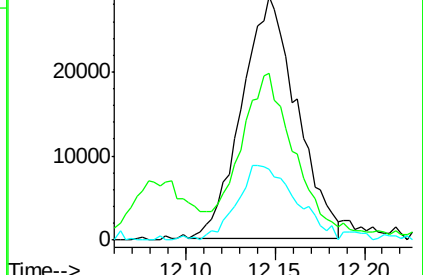
114 29.6 30.0 36.6#

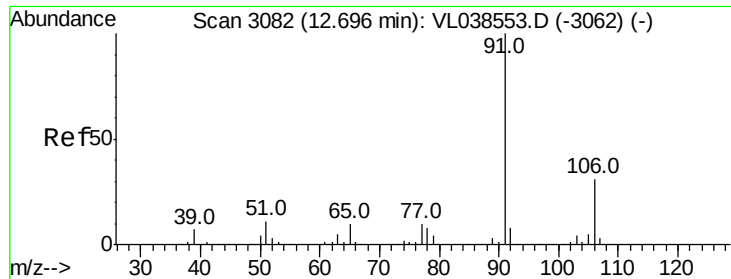


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): V

Ion 114.10 (113.80 to 114.80): V





#58

Ethyl Benzene

Concen: 0.36 ppbv

RT: 12.71

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

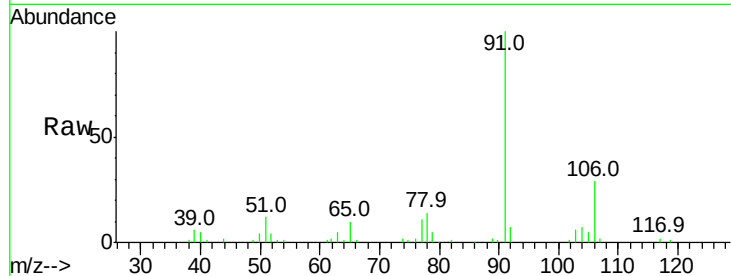
Acq: 18 Mar 2022 3:39 MDL-AIR-03-OT1-2022DL

Tgt Ion: 91 Resp: 79849

Ion Ratio Lower Upper

91 100

106 29.3 24.6 37.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.71

40000

30000

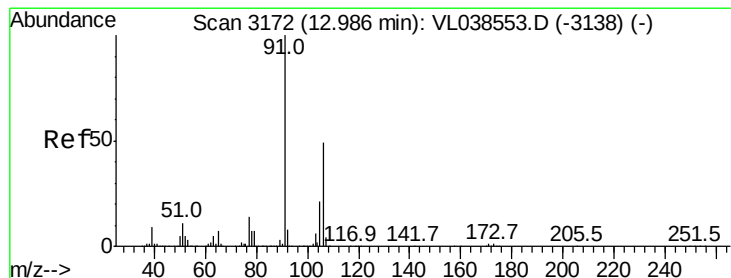
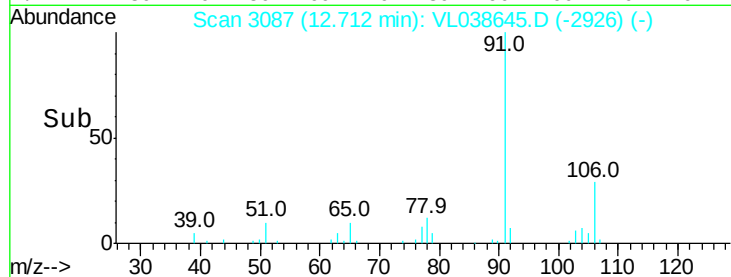
20000

10000

0

Time-->

12.65 12.70 12.75 12.80



#59

m/p-Xylene

Concen: 0.26 ppbv

RT: 13.00 min Scan# 3176

Delta R.T. 0.01 min

Lab File: VL038645.D

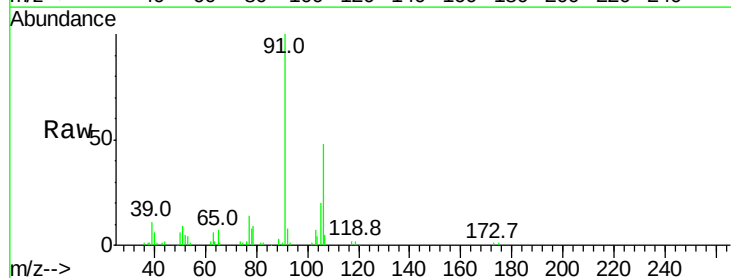
Acq: 18 Mar 2022 3:39

Tgt Ion: 91 Resp: 49843

Ion Ratio Lower Upper

91 100

106 135.1 37.1 55.7#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.00

40000

30000

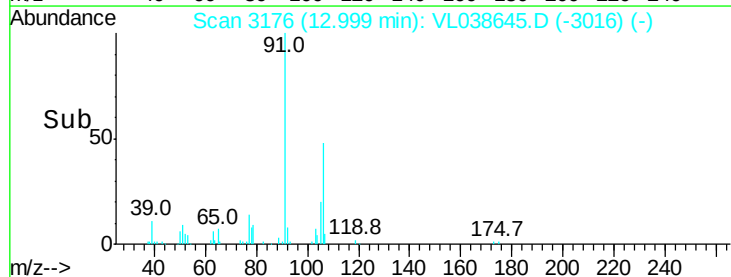
20000

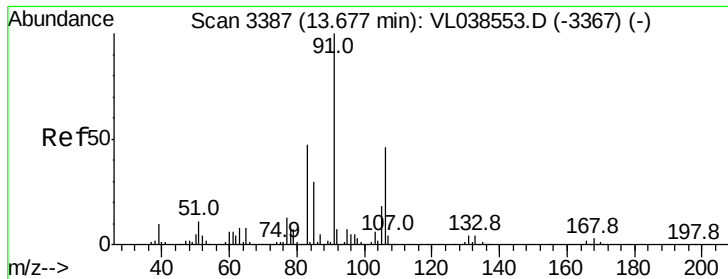
10000

0

Time-->

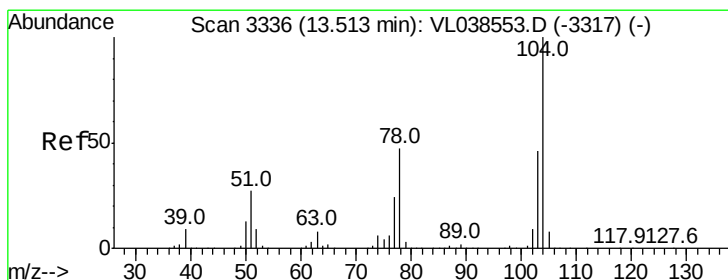
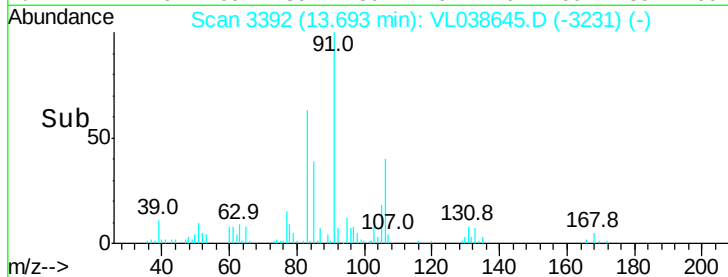
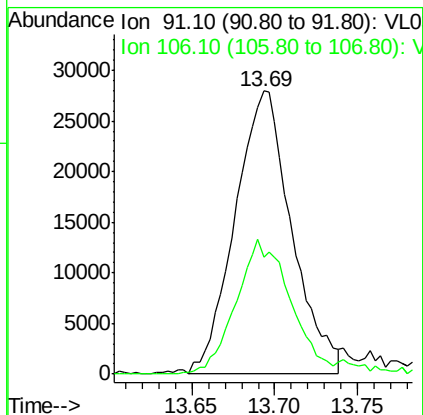
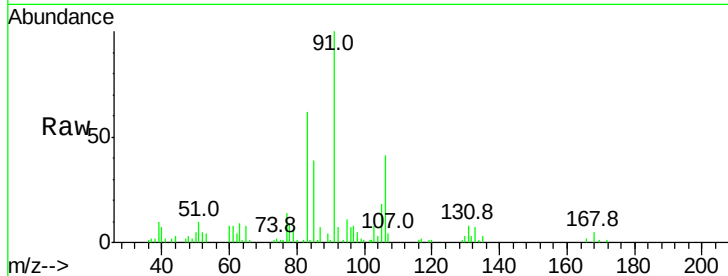
13.00 13.05





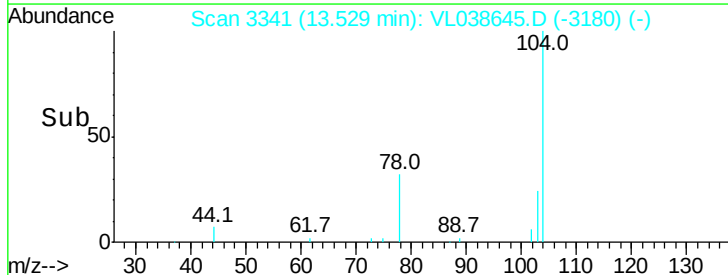
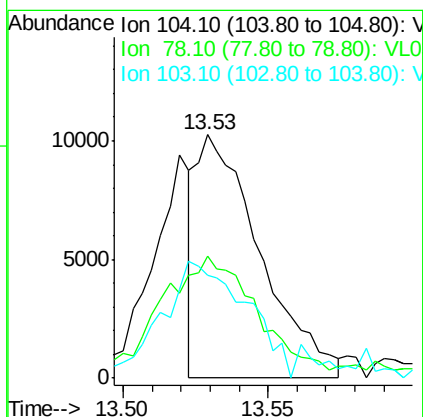
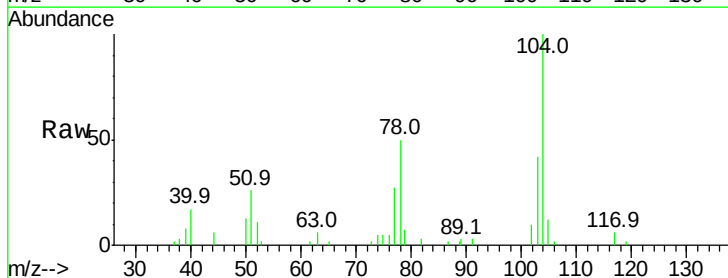
#60
o-Xylene
Concen: 0.37 ppbv
RT: 13.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 18 Mar 2022 3:39 MDL-AIR-03-QT1-2022DL

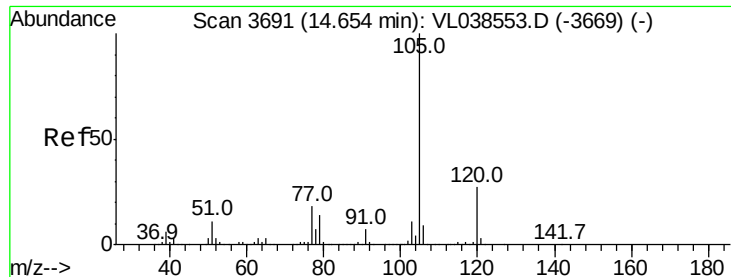
Tgt Ion: 91 Resp: 66529
Ion Ratio Lower Upper
91 100
106 48.1 23.5 70.6



#61
Styrene
Concen: 0.18 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. 0.02 min
Lab File: VL038645.D
Acq: 18 Mar 2022 3:39

Tgt Ion: 104 Resp: 15596
Ion Ratio Lower Upper
104 100
78 86.3 39.0 58.4#
103 0.0 38.0 57.0#





#62

Isopropylbenzene

Concen: 0.39 ppbv

RT: 14.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

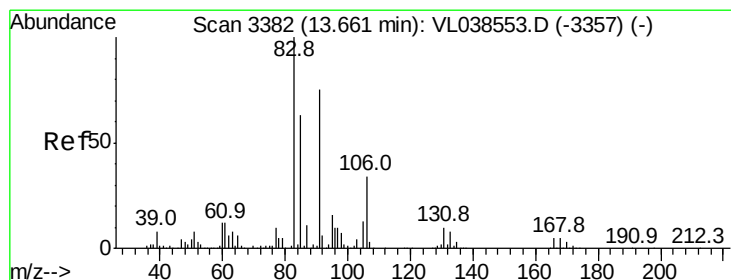
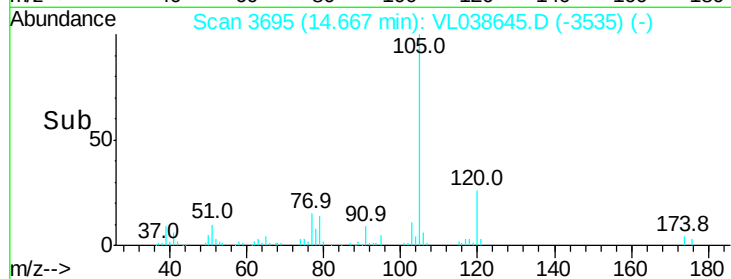
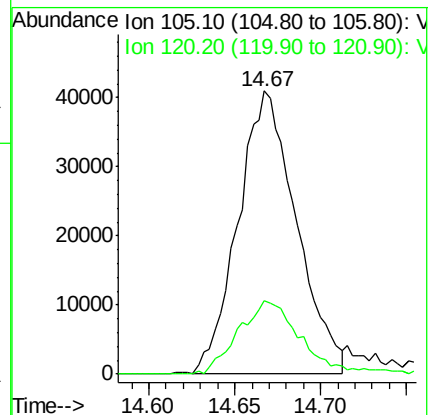
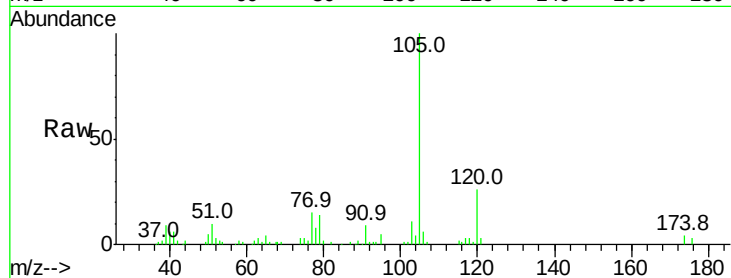
Acq: 18 Mar 2022 3:39 MDL-AIR-03-OT1-2022DL

Tgt Ion: 105 Resp: 96510

Ion Ratio Lower Upper

105 100

120 28.0 21.2 31.8



#63

1,1,2,2-Tetrachloroethane

Concen: 0.41 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. 0.02 min

Lab File: VL038645.D

Acq: 18 Mar 2022 3:39

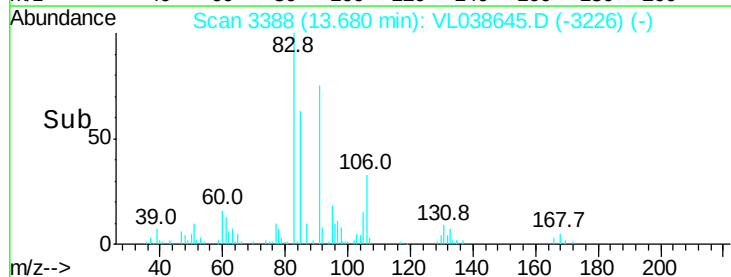
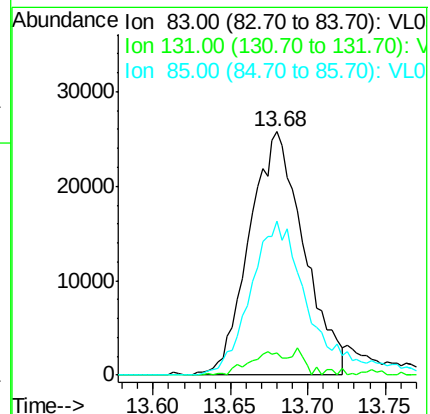
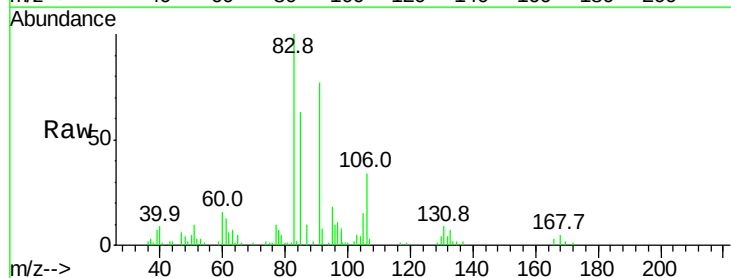
Tgt Ion: 83 Resp: 62953

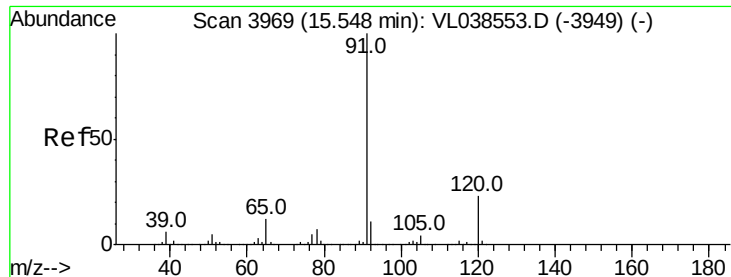
Ion Ratio Lower Upper

83 100

131 10.2 4.7 14.1

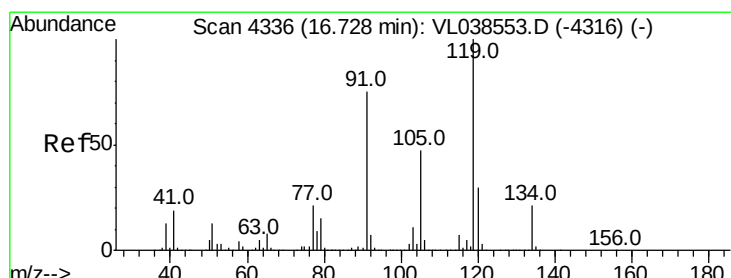
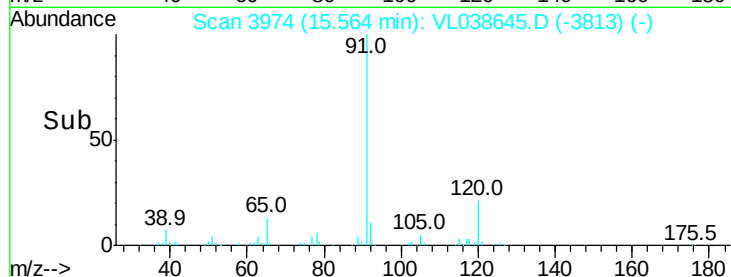
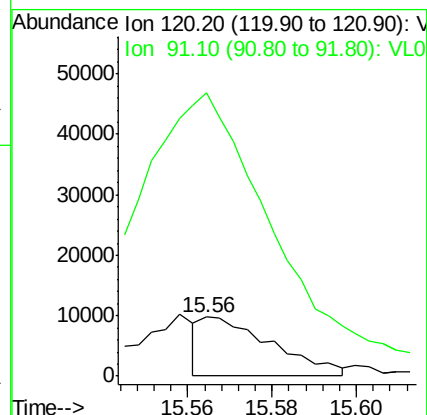
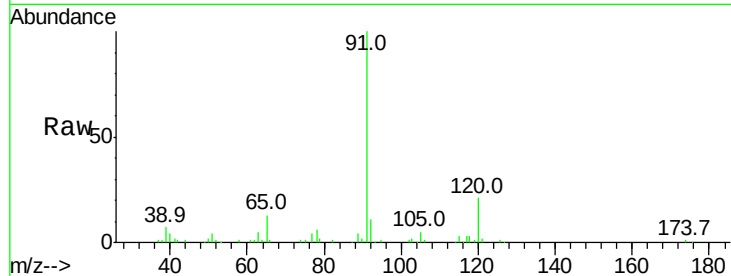
85 69.5 32.6 98.0





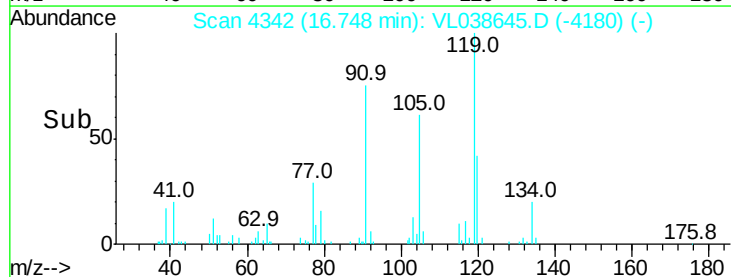
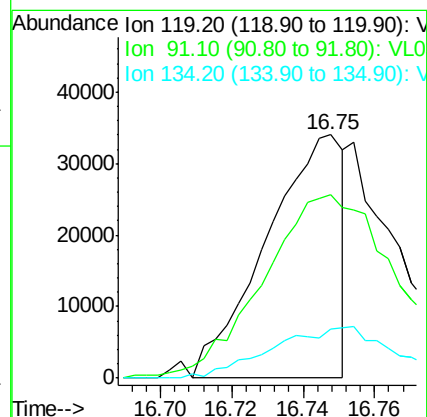
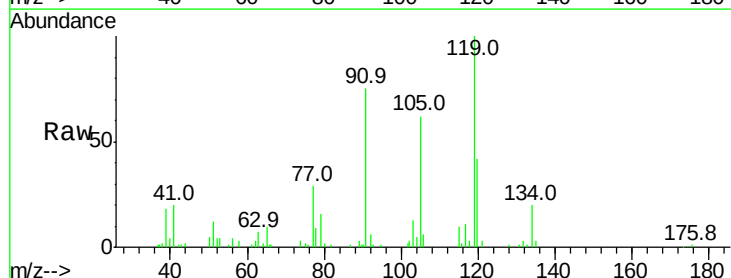
#64
n-propylbenzene
Concen: 0.18 ppbv
RT: 15.56 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 18 Mar 2022 3:39 MDL-AIR-03-QT1-2022DL

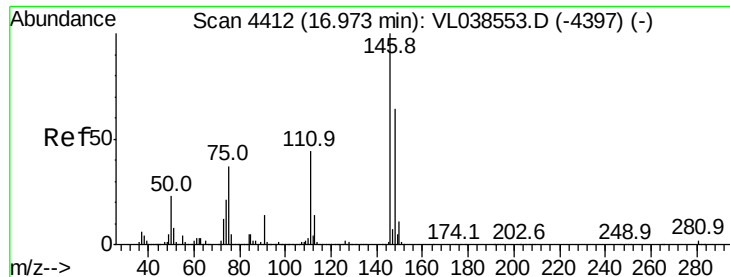
Tgt Ion:120 Resp: 11467
Ion Ratio Lower Upper
120 100
91 1085.2 374.2 561.2#



#65
tert-Butylbenzene
Concen: 0.23 ppbv
RT: 16.75 min Scan# 4342
Delta R.T.: 0.02 min
Lab File: VL038645.D
Acq: 18 Mar 2022 3:39

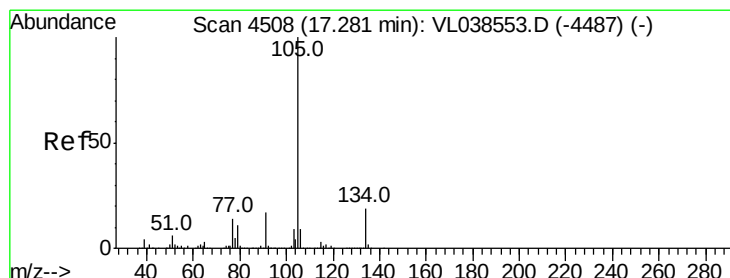
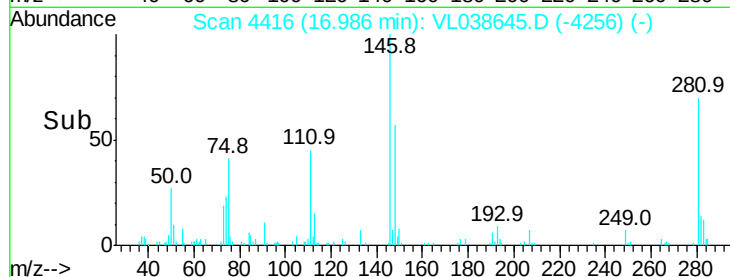
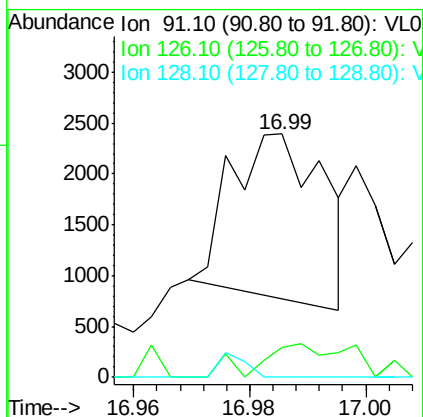
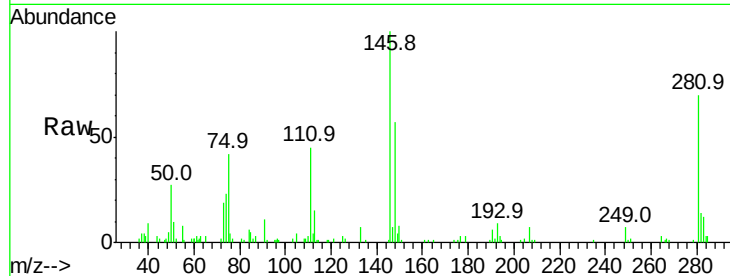
Tgt Ion:119 Resp: 50833
Ion Ratio Lower Upper
119 100
91 141.8 61.2 91.8#
134 0.0 16.2 24.2#





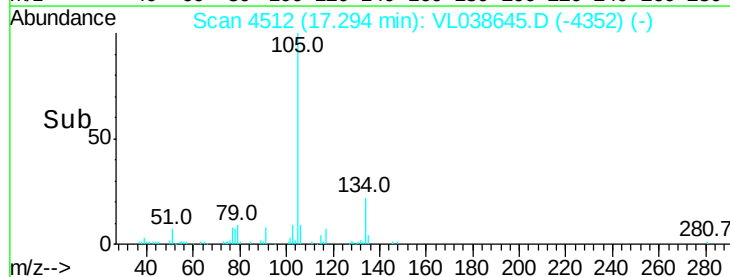
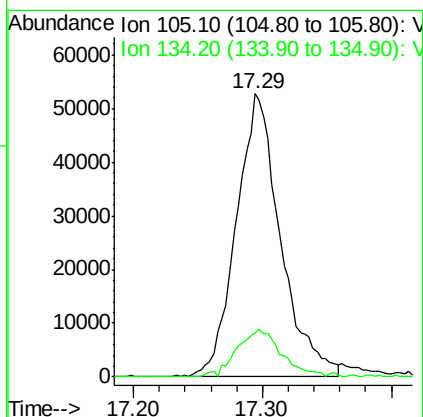
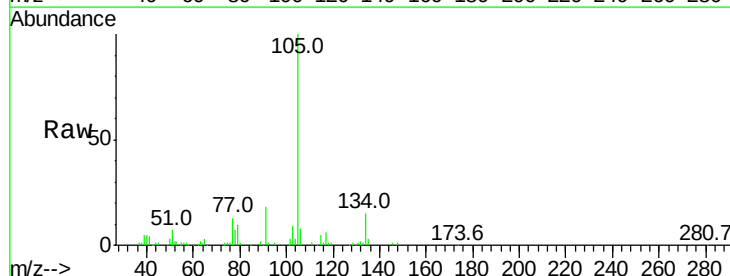
#66
Benzyl Chloride
Concen: 0.13 ppbv
RT: 16.99 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 18 Mar 2022 3:39 MDL-AIR-03-QT1-2022DL

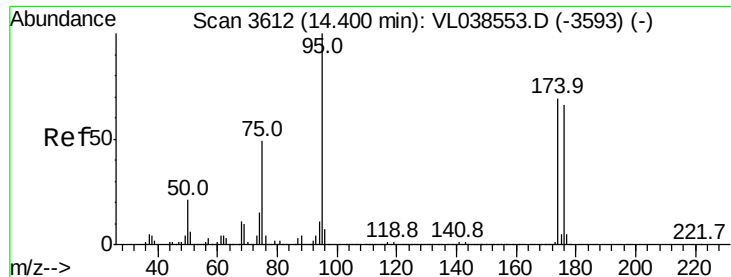
Tgt Ion: 91 Resp: 1770
Ion Ratio Lower Upper
91 100
126 19.7 14.1 21.1
128 0.0 5.1 7.7#



#67
sec-Butylbenzene
Concen: 0.39 ppbv
RT: 17.29 min Scan# 4512
Delta R.T. 0.01 min
Lab File: VL038645.D
Acq: 18 Mar 2022 3:39

Tgt Ion: 105 Resp: 124304
Ion Ratio Lower Upper
105 100
134 18.0 15.0 22.6





#68

1-Bromo-4-Fluorobenzene

Concen: 9.79 ppbv

RT: 14.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Mar 2022 3:39 MDL-AIR-03-QT1-2022DL

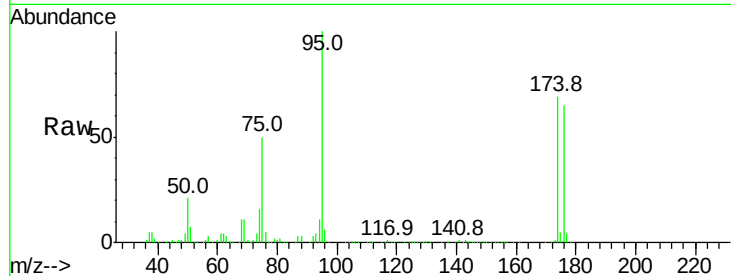
Tgt Ion: 95 Resp: 1285109

Ion Ratio Lower Upper

95 100

174 70.7 56.2 84.4

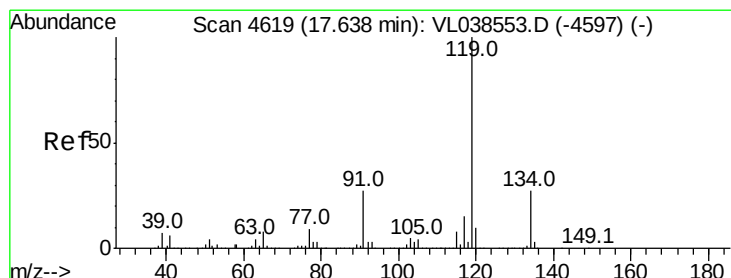
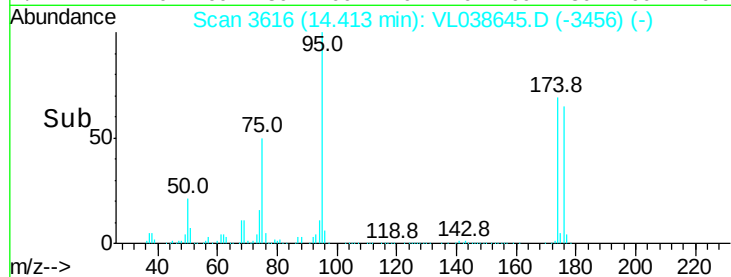
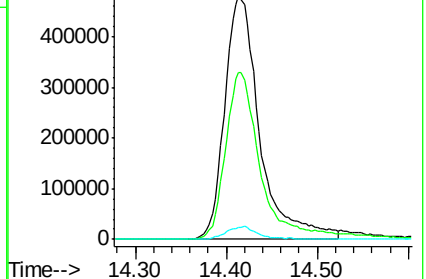
175 5.0 4.2 6.2



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: 0.37 ppbv

RT: 17.65 min Scan# 4624

Delta R.T. 0.02 min

Lab File: VL038645.D

Acq: 18 Mar 2022 3:39

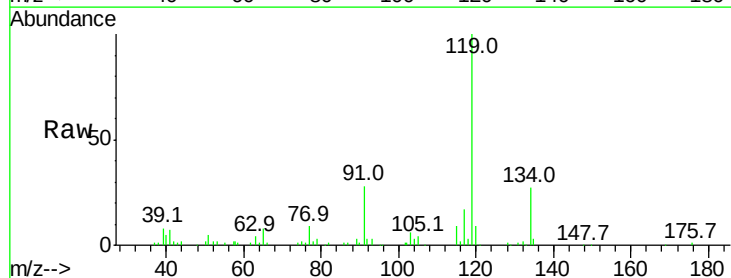
Tgt Ion: 119 Resp: 95971

Ion Ratio Lower Upper

119 100

134 26.0 20.9 31.3

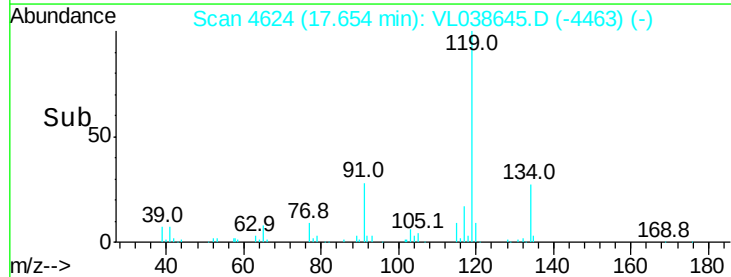
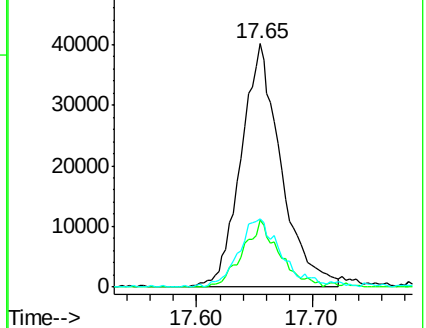
91 31.3 21.1 31.7

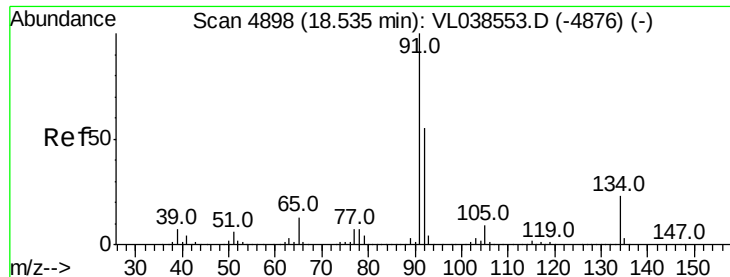


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

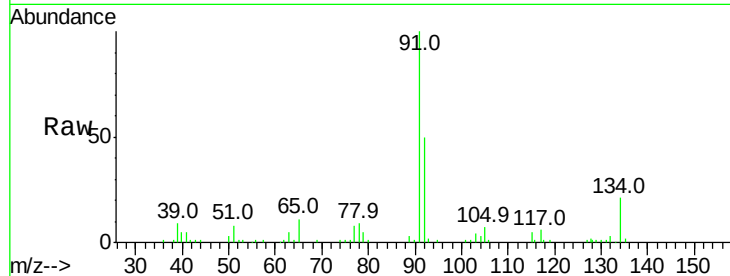
Ion 91.10 (90.80 to 91.80): VL0



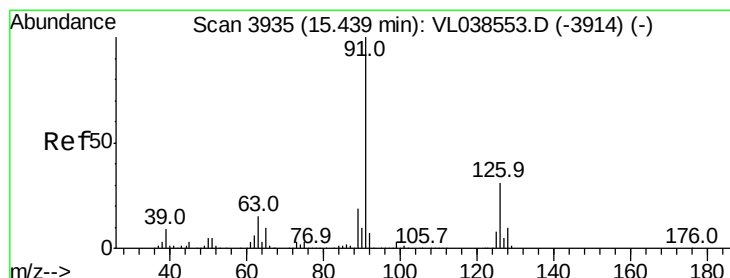
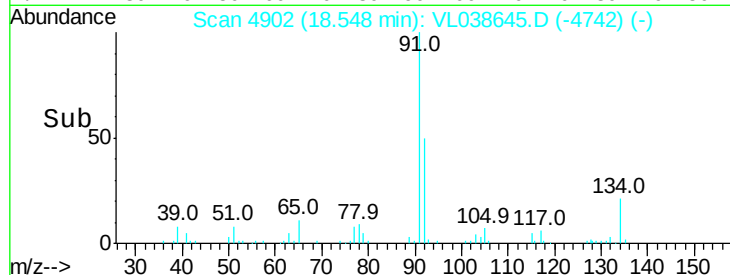
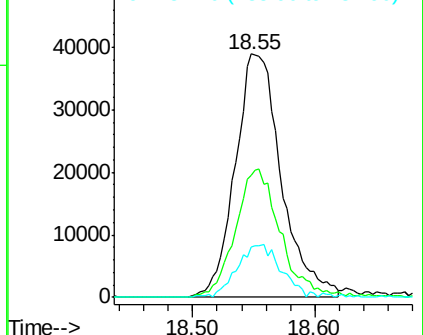


#70
n-Butylbenzene
Concen: 0.37 ppbv
RT: 18.55 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 18 Mar 2022 3:39 MDL-AIR-03-QT1-2022DL

Tgt Ion: 91 Resp: 102271
Ion Ratio Lower Upper
91 100
92 51.4 43.8 65.8
134 20.6 18.7 28.1

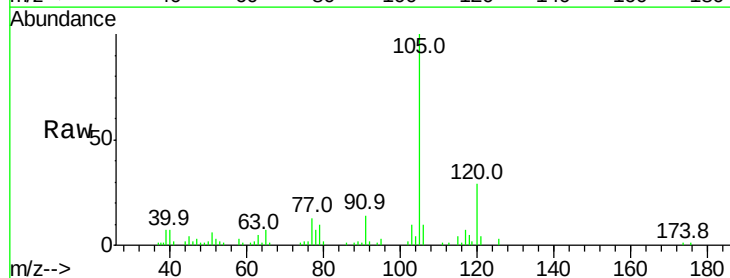


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V

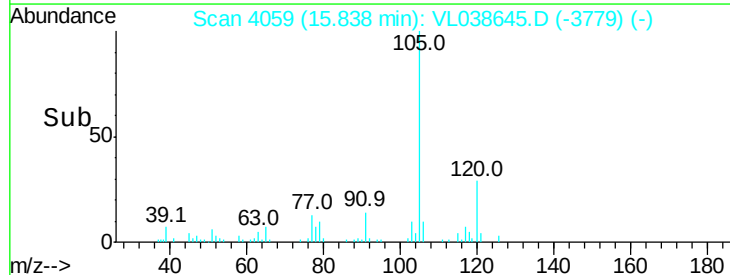
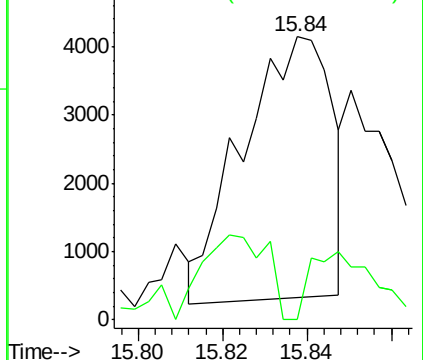


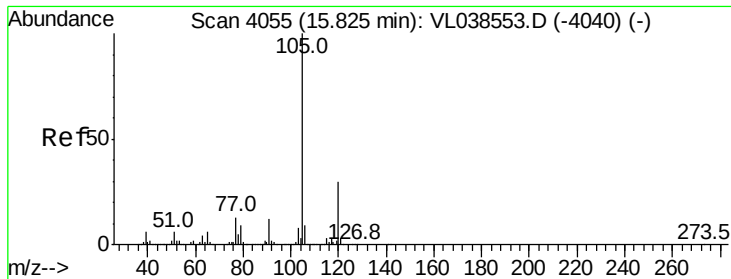
#71
2-Chlorotoluene
Concen: 0.03 ppbv
RT: 15.84 min Scan# 4059
Delta R.T. 0.40 min
Lab File: VL038645.D
Acq: 18 Mar 2022 3:39

Tgt Ion: 91 Resp: 5632
Ion Ratio Lower Upper
91 100
126 46.0 12.9 51.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 0.15 ppbv

RT: 15.84

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Mar 2022 3:39 MDL-AIR-03-QT1-2022DL

Tgt Ion:105 Resp: 31695

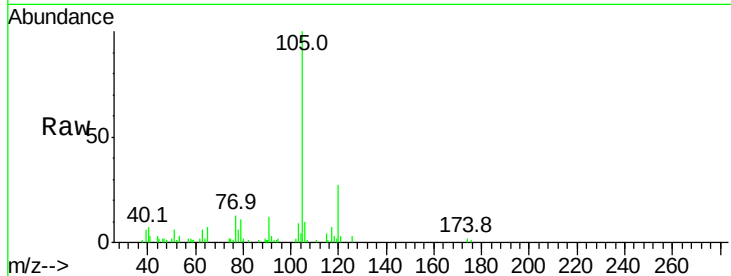
Ion Ratio Lower Upper

105 100

120 73.7 25.0 37.4#

91 0.0 9.8 14.6#

77 33.7 10.7 16.1#

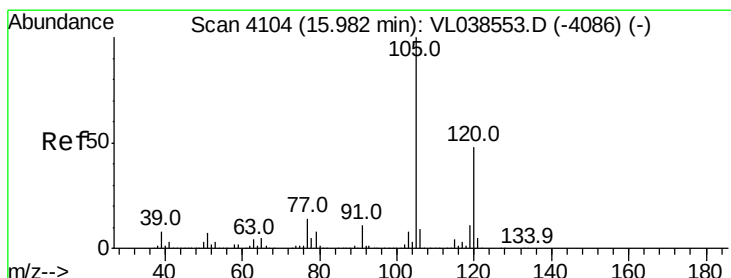
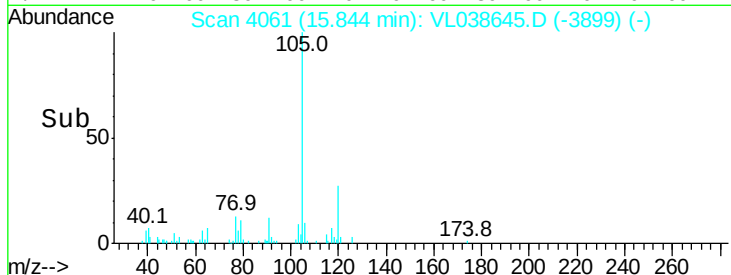
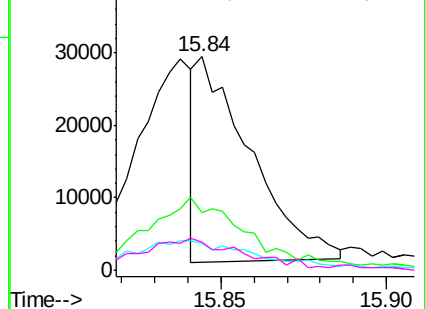


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.18 ppbv

RT: 16.00 min Scan# 4109

Delta R.T. 0.02 min

Lab File: VL038645.D

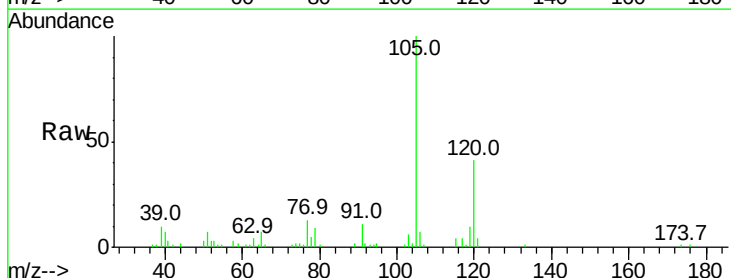
Acq: 18 Mar 2022 3:39

Tgt Ion:105 Resp: 35565

Ion Ratio Lower Upper

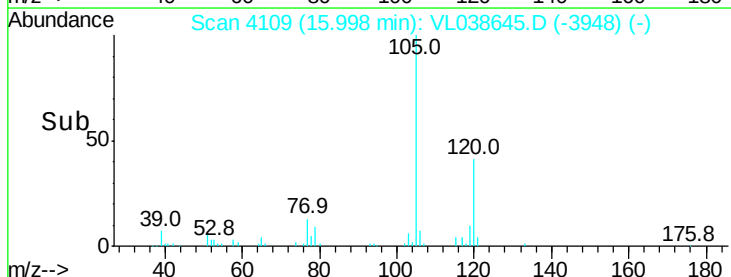
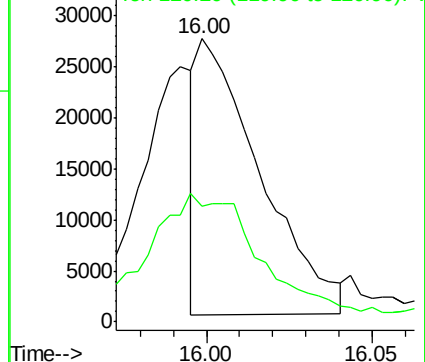
105 100

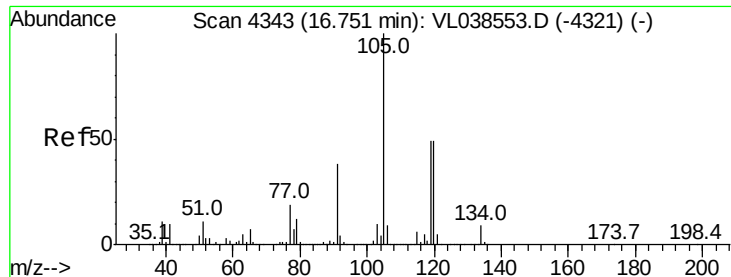
120 41.0 38.3 57.5



Abundance Ion 105.10 (104.80 to 105.80): V

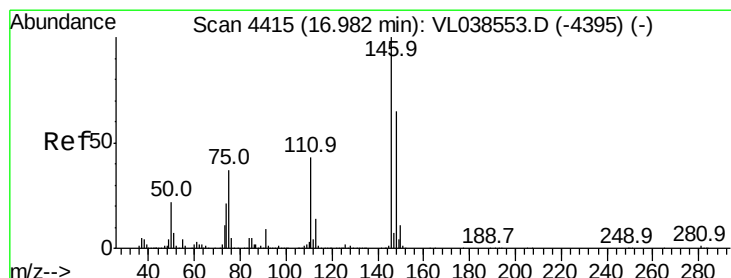
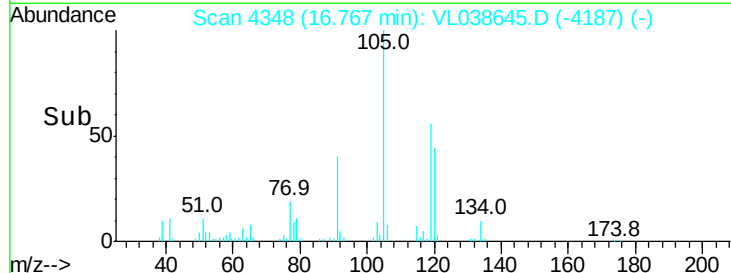
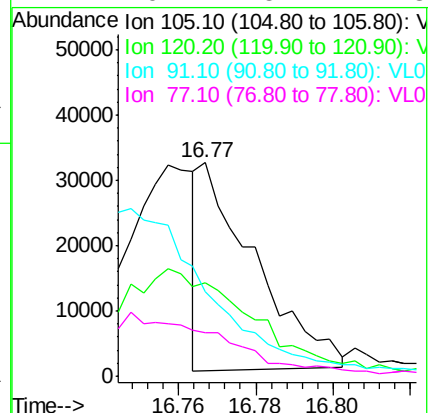
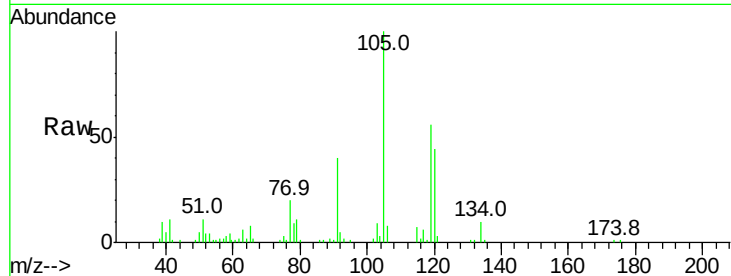
Ion 120.20 (119.90 to 120.90): V





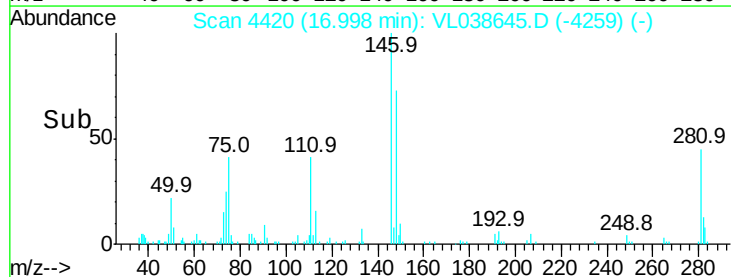
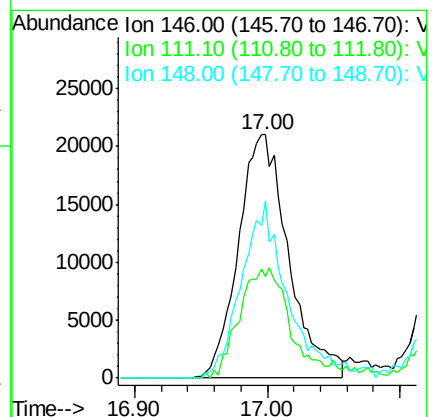
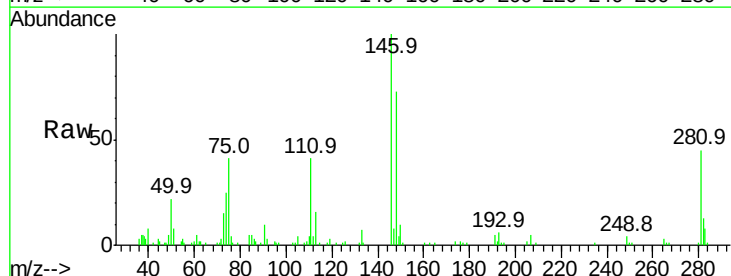
#74
 1,2,4-Trimethylbenzene
 Concen: 0.15 ppbv
 RT: 16.77 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 18 Mar 2022 3:39

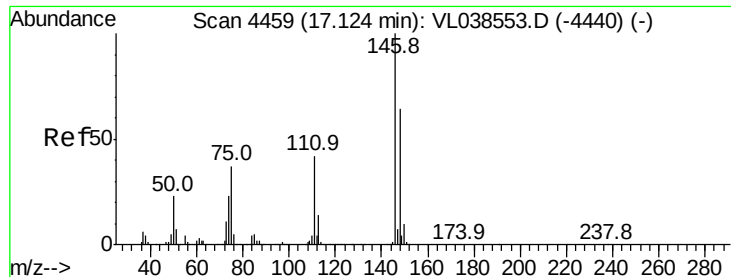
Tgt Ion:	105	Resp:	31401
Ion Ratio	Lower	Upper	
105	100		
120	41.0	38.9	58.3
91	37.5	30.6	46.0
77	19.2	15.2	22.8



#75
 1,3-Dichlorobenzene
 Concen: 0.43 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T. 0.02 min
 Lab File: VL038645.D
 Acq: 18 Mar 2022 3:39

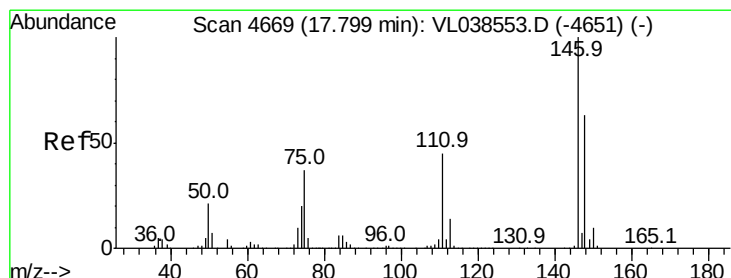
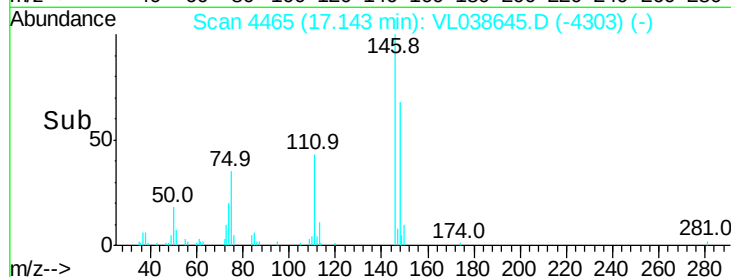
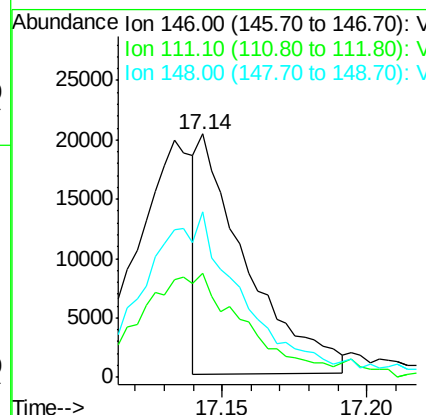
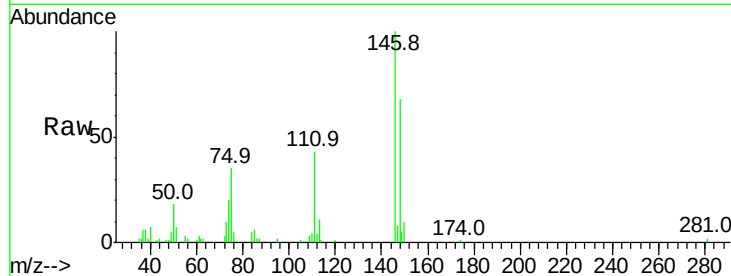
Tgt Ion:	146	Resp:	55545
Ion Ratio	Lower	Upper	
146	100		
111	48.1	21.9	65.8
148	67.8	32.2	96.6





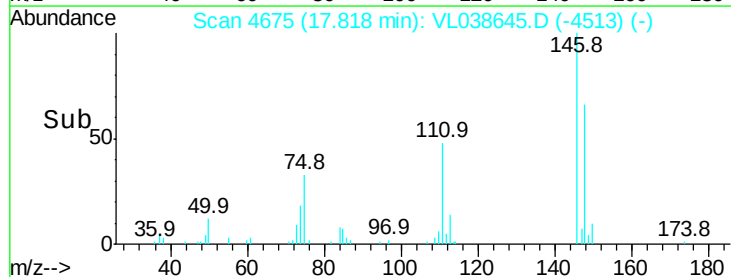
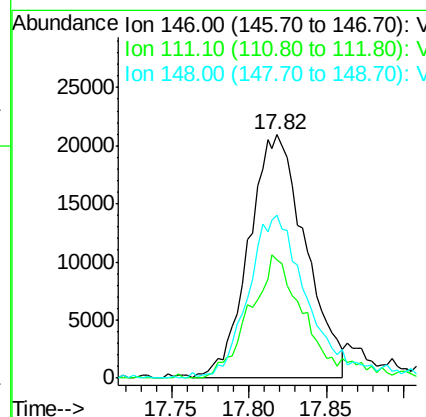
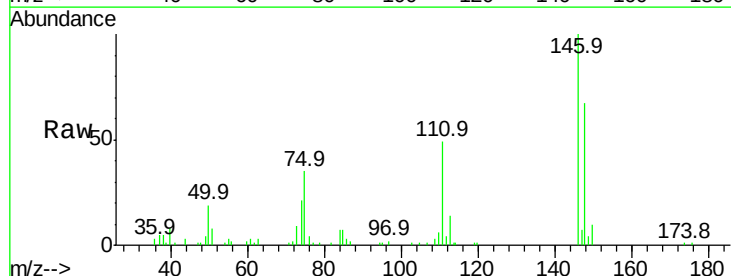
#76
 1,4-Dichlorobenzene
 Concen: 0.18 ppbv
 RT: 17.14 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 18 Mar 2022 3:39

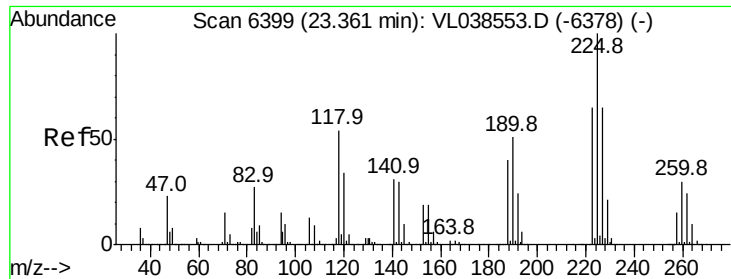
Tgt Ion:146 Resp: 23367
 Ion Ratio Lower Upper
 146 100
 111 101.0 21.8 65.3#
 148 158.5 32.8 98.4#



#77
 1,2-Dichlorobenzene
 Concen: 0.41 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T.: 0.02 min
 Lab File: VL038645.D
 Acq: 18 Mar 2022 3:39

Tgt Ion:146 Resp: 53480
 Ion Ratio Lower Upper
 146 100
 111 51.7 23.2 69.5
 148 72.3 32.6 98.0





#78

Hexachloro-1,3-Butadiene

Concen: 0.50 ppbv

RT: 23.37

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Mar 2022 3:39

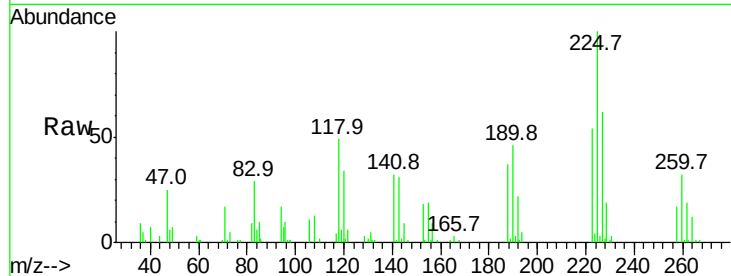
Tgt Ion: 225 Resp: 63994

Ion Ratio Lower Upper

225 100

223 64.3 51.4 77.0

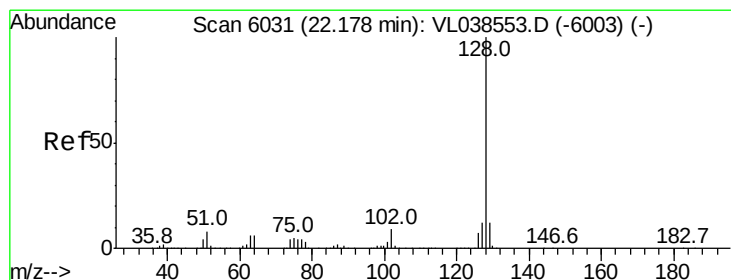
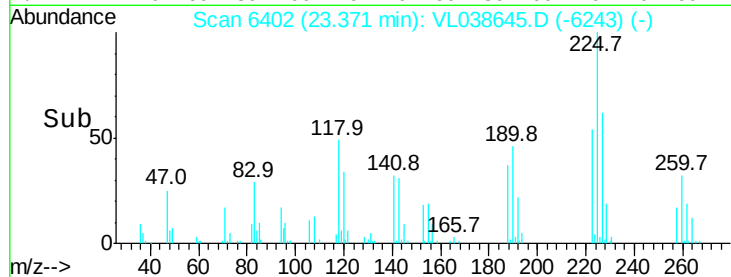
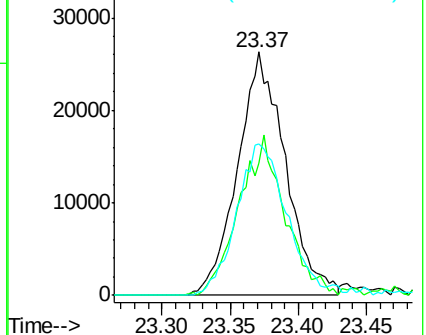
227 66.5 51.9 77.9



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: 0.09 ppbv

RT: 22.19 min Scan# 6034

Delta R.T. 0.01 min

Lab File: VL038645.D

Acq: 18 Mar 2022 3:39

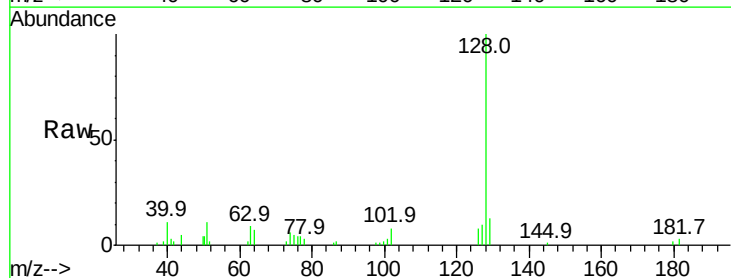
Tgt Ion: 128 Resp: 17275

Ion Ratio Lower Upper

128 100

127 10.5 9.9 14.9

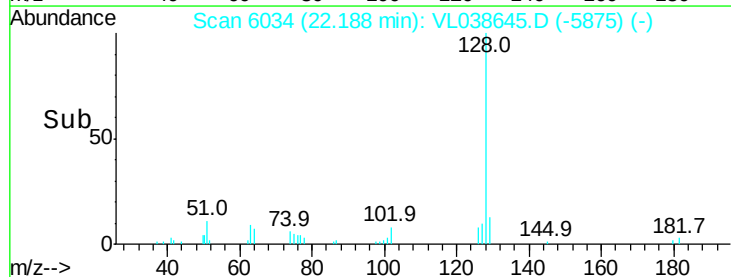
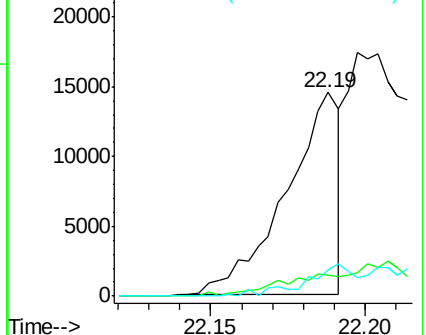
129 12.9 9.3 13.9

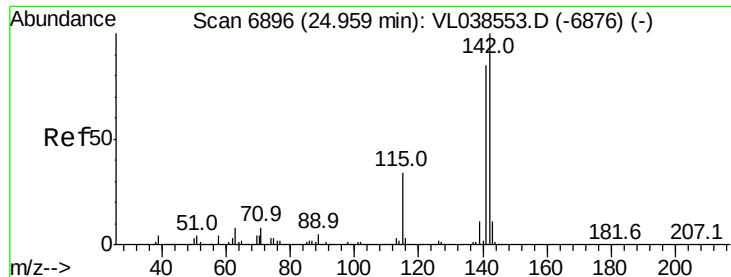


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

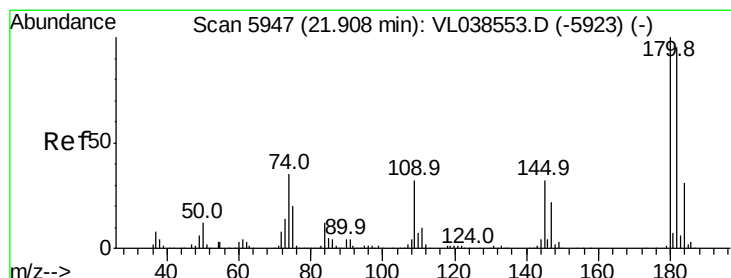
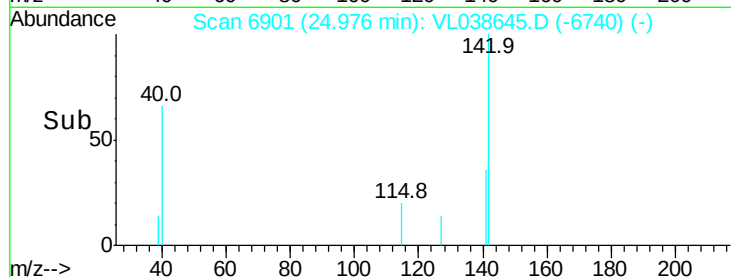
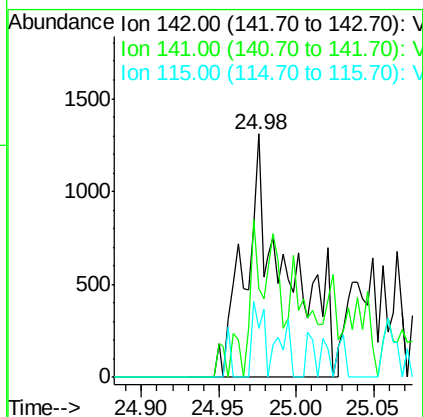
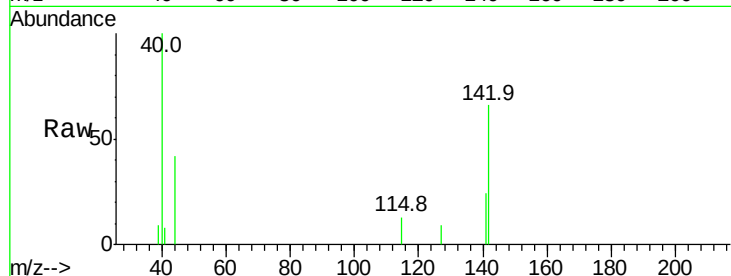
Ion 129.10 (128.80 to 129.80): V





#80
Naphthalene, 2-methyl-
Concen: 0.07 ppbv
RT: 24.98 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 18 Mar 2022 3:39

Tgt Ion: 142 Resp: 2416
Ion Ratio Lower Upper
142 100
141 73.7 68.4 102.6
115 15.2 27.9 41.9#



#81
1,2,4-Trichlorobenzene
Concen: 0.14 ppbv
RT: 21.93 min Scan# 5955
Delta R.T. 0.03 min
Lab File: VL038645.D
Acq: 18 Mar 2022 3:39

Tgt Ion: 180 Resp: 17032
Ion Ratio Lower Upper
180 100
182 229.1 79.1 118.7#
184 73.1 25.0 37.6#

