

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041023\
 Data File : VL040330.D
 Acq On : 10 Apr 2023 18:17
 Operator : SY/MD
 Sample : 02213-13 LOD 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2023

Quant Time: Apr 11 02:08:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 15 16:14:43 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.166	49	915066	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.629	114	2235793	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.446	117	2005698	10.000	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1665635	9.917	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.703	85	21041	0.117	ppbv	92
3) Chlorodifluoromethane	2.648	51	12190	0.106	ppbv	94
4) Chloromethane	2.787	50	7549	0.106	ppbv	98
5) Vinyl Chloride	2.893	62	6173	0.107	ppbv	99
6) Bromomethane	3.092	94	2394	0.120	ppbv	87
7) Chloroethane	3.166	64	2490	0.113	ppbv	93
8) Dichlorotetrafluoroethane	2.829	85	15572	0.101	ppbv	100
9) Propene	2.671	41	6300	0.143	ppbv	91
11) Trichlorofluoromethane	3.533	101	17108	0.105	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.044	101	5042	0.041	ppbv #	1
13) Ethanol	3.214	45	102	0.032	ppbv #	37
14) Bromoethene	3.343	108	1437	0.032	ppbv #	6
15) Acetone	3.462	43	22996	0.206	ppbv #	82
16) 1,3-Butadiene	2.957	39	4377	0.086	ppbv	92
18) 1,1-Dichloroethene	3.854	96	4709	0.090	ppbv #	83
19) Isopropyl Alcohol	3.575	45	4476	0.084	ppbv #	90
20) Methylene Chloride	3.906	84	12428	0.265	ppbv #	92
21) Allyl Chloride	3.967	41	6870	0.095	ppbv #	81
22) trans-1,2-Dichloroethene	4.423	96	3700	0.069	ppbv	87
23) Vinyl Acetate	4.600	43	1366	0.044	ppbv #	1
24) 1,1-Dichloroethane	4.539	63	5726	0.052	ppbv #	97
25) Ethyl Acetate	5.185	43	7624	0.037	ppbv #	74
26) Hexane	5.182	57	3836	0.045	ppbv #	1
27) Carbon Disulfide	4.099	76	8014	0.067	ppbv #	48
28) Methyl tert-Butyl Ether	4.584	73	7053	0.072	ppbv #	87
29) Chloroform	5.246	83	15040	0.099	ppbv #	72
31) cis-1,2-Dichloroethene	5.057	61	7205	0.086	ppbv #	92
32) 1,1,1-Trichloroethane	5.980	97	6264	0.043	ppbv #	1
34) 2-Butanone	4.780	43	12090	0.110	ppbv	91
35) Carbon Tetrachloride	6.468	117	12189	0.087	ppbv #	82
36) Benzene	6.349	78	5823	0.034	ppbv #	69
37) 1,2-Dichloroethane	5.777	62	7344	0.066	ppbv #	84
39) 1,2-Dichloropropane	6.626	63	579195	8.664	ppbv #	24
42) Bromodichloromethane	7.227	83	6075	0.040	ppbv #	61
44) 2,2,4-Trimethylpentane	7.301	57	18018	0.063	ppbv #	79
47) 1,1,2-Trichloroethane	8.877	97	5669	0.079	ppbv #	86
52) Tetrachloroethene	10.590	164	2534	0.049	ppbv #	78
57) Chlorobenzene	11.503	112	6797	0.048	ppbv #	34
62) Isopropylbenzene	14.005	105	11682	0.041	ppbv #	64
71) 2-Chlorotoluene	14.786	91	7554	0.035	ppbv #	61
80) Naphthalene,2-methyl-	24.426	142	1019	0.030	ppbv #	38

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LOD-MDL-AIR-01-QT2-2023

Quant Time: Apr 11 02:08:27 2023
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Mar 15 16:14:43 2023
Response via : Initial Calibration

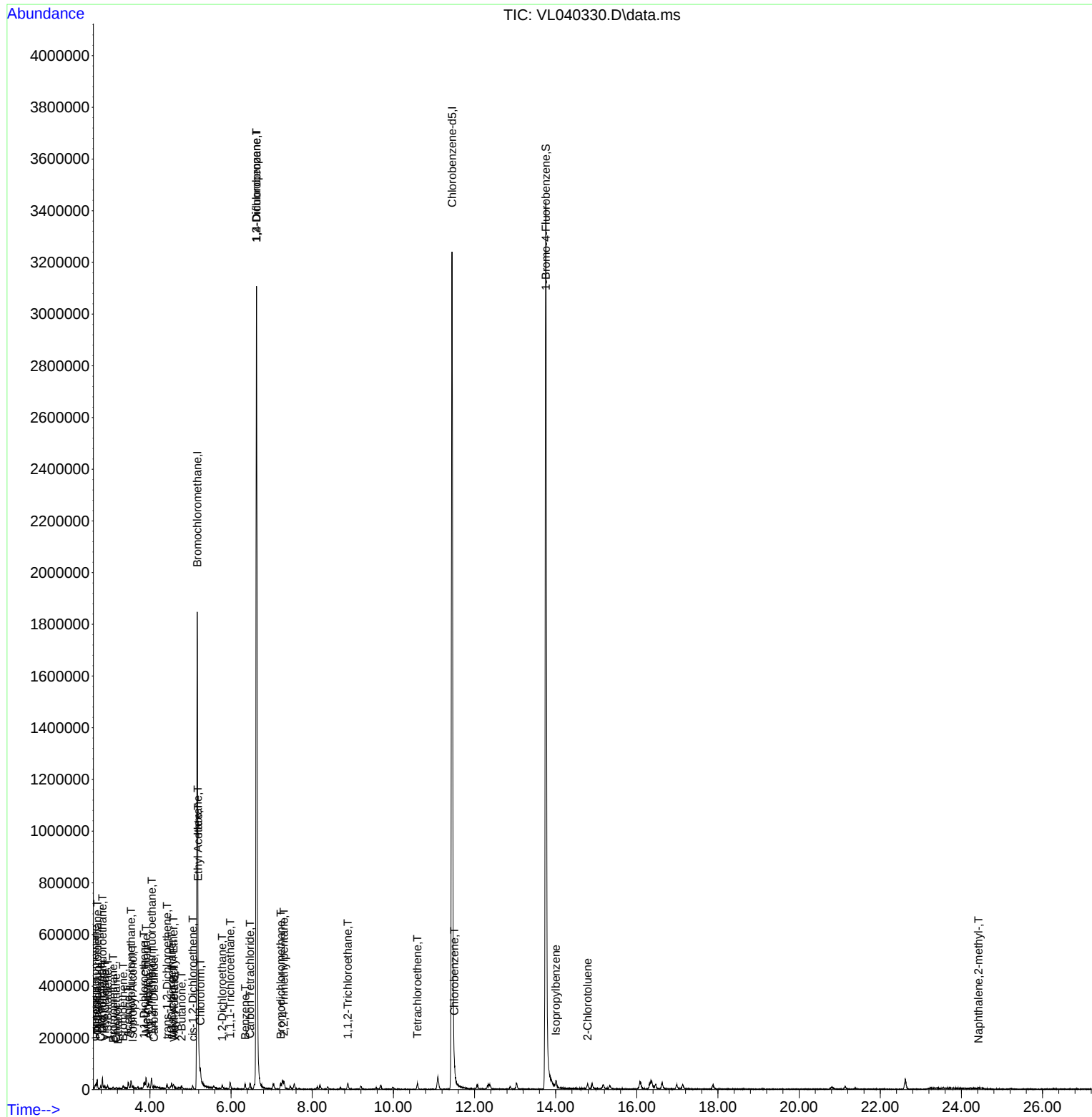
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

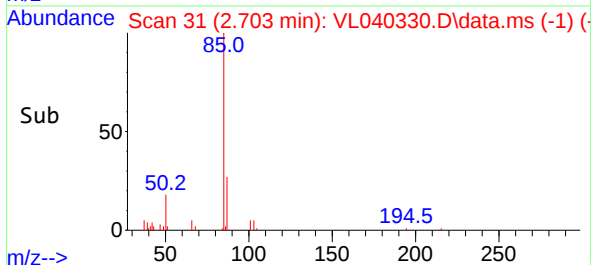
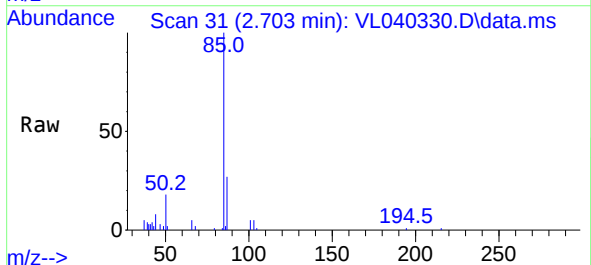
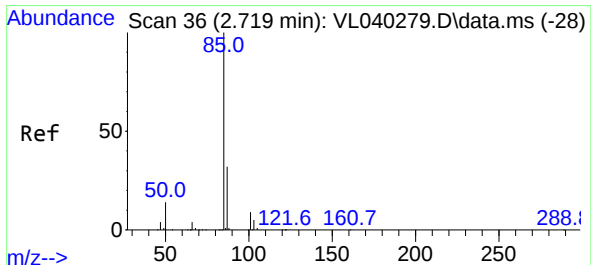
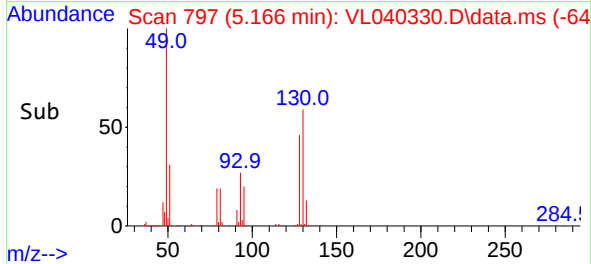
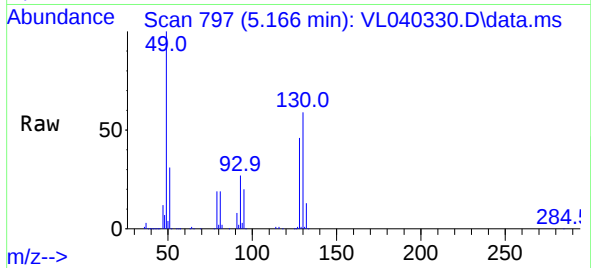
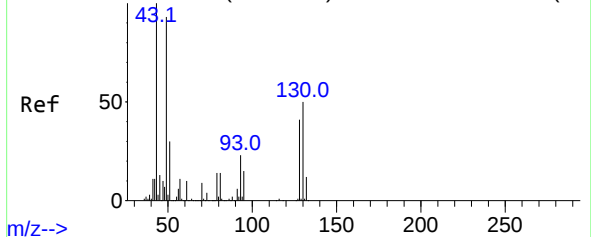
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Abundance Scan 804 (5.189 min): VL040279.D\data.ms (-78)



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.166 min Scan# 79

Delta R.T. -0.023 min

Lab File: VL040330.D

Acq: 10 Apr 2023 18:17

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2023

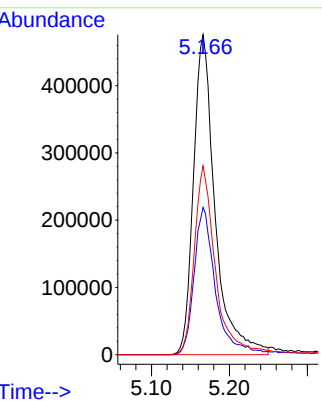
Tgt Ion: 49 Resp: 915066

Ion Ratio Lower Upper

49 100

128 46.9 22.4 67.3

130 59.4 28.7 86.1



#2

Dichlorodifluoromethane

Concen: 0.117 ppbv

RT: 2.703 min Scan# 31

Delta R.T. -0.016 min

Lab File: VL040330.D

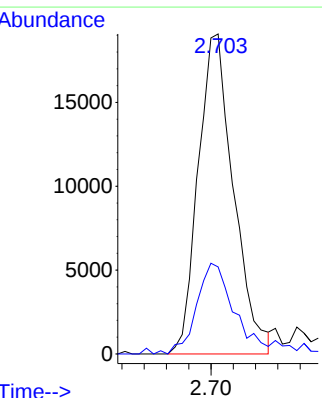
Acq: 10 Apr 2023 18:17

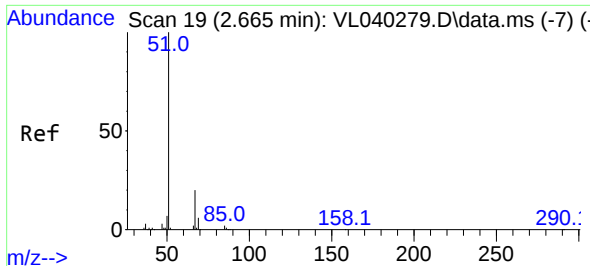
Tgt Ion: 85 Resp: 21041

Ion Ratio Lower Upper

85 100

87 27.2 25.5 38.3

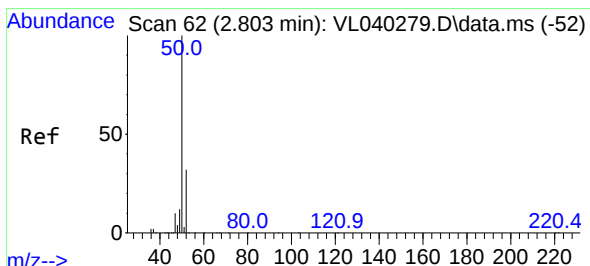
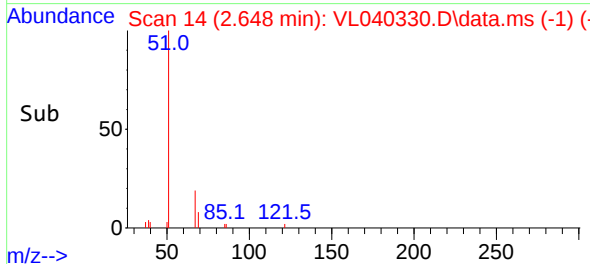
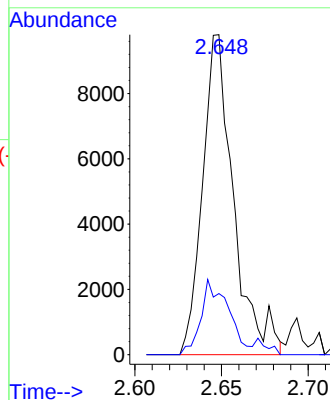
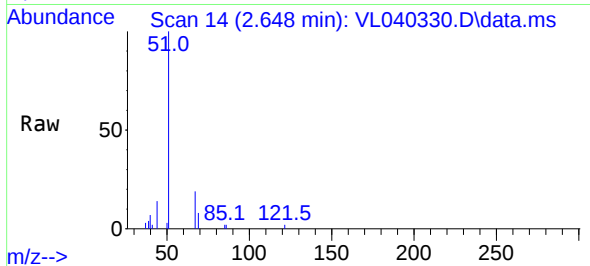




#3
Chlorodifluoromethane
Concen: 0.106 ppbv
RT: 2.648 min Scan# 14
Delta R.T. -0.017 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

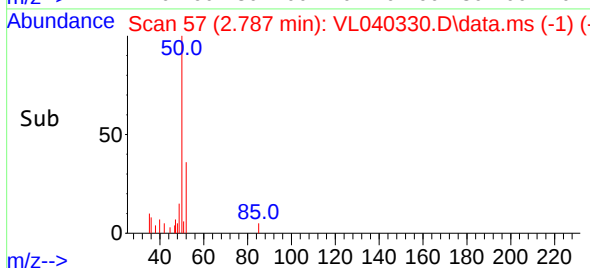
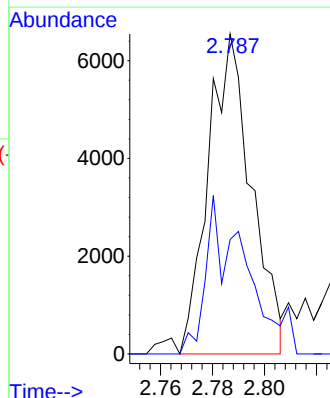
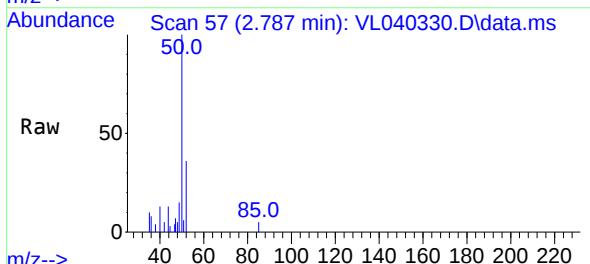
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT2-2023

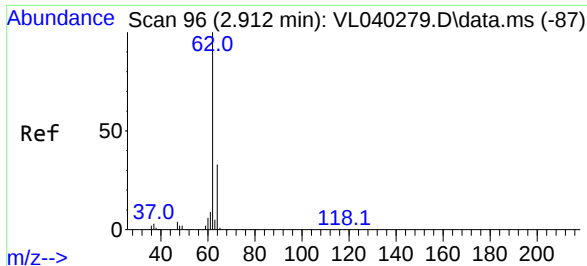
Tgt Ion: 51 Resp: 12190
Ion Ratio Lower Upper
51 100
67 22.9 16.0 24.0



#4
Chloromethane
Concen: 0.106 ppbv
RT: 2.787 min Scan# 57
Delta R.T. -0.016 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

Tgt Ion: 50 Resp: 7549
Ion Ratio Lower Upper
50 100
52 33.7 25.9 38.9

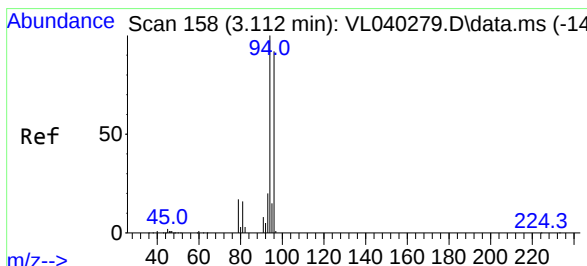
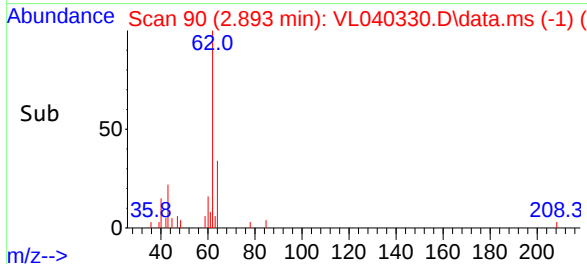
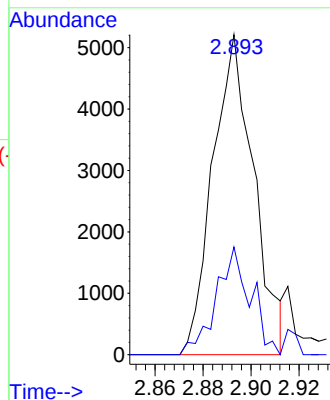
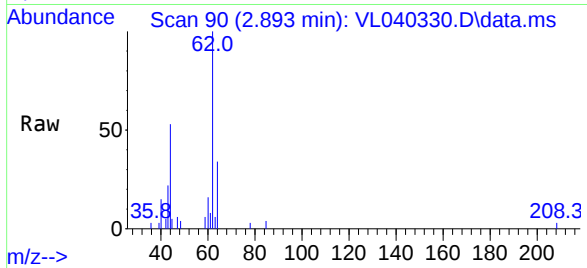




#5
 Vinyl Chloride
 Concen: 0.107 ppbv
 RT: 2.893 min Scan# 90
 Delta R.T. -0.019 min
 Lab File: VL040330.D
 Acq: 10 Apr 2023 18:17

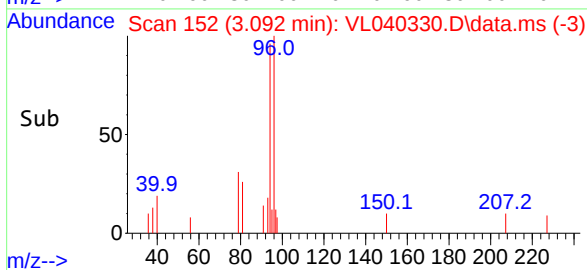
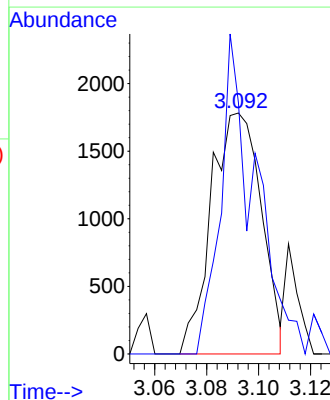
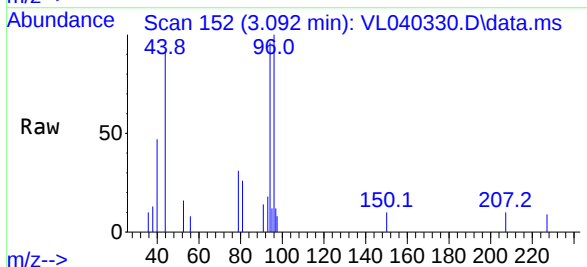
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2023

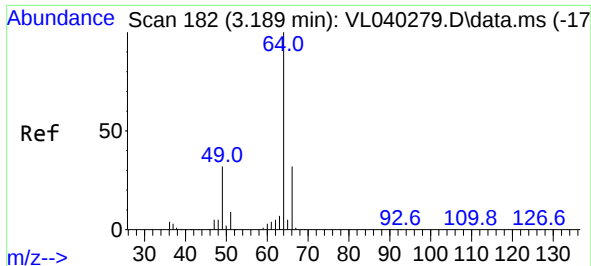
Tgt Ion: 62 Resp: 6173
 Ion Ratio Lower Upper
 62 100
 64 33.7 26.4 39.6



#6
 Bromomethane
 Concen: 0.120 ppbv
 RT: 3.092 min Scan# 152
 Delta R.T. -0.020 min
 Lab File: VL040330.D
 Acq: 10 Apr 2023 18:17

Tgt Ion: 94 Resp: 2394
 Ion Ratio Lower Upper
 94 100
 96 104.3 73.7 110.5

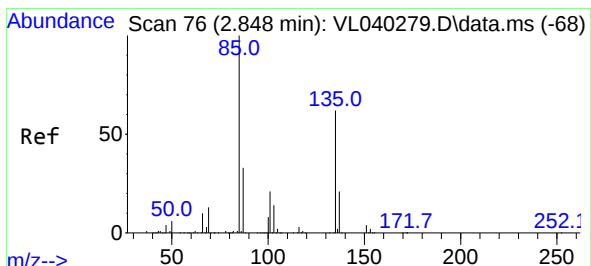
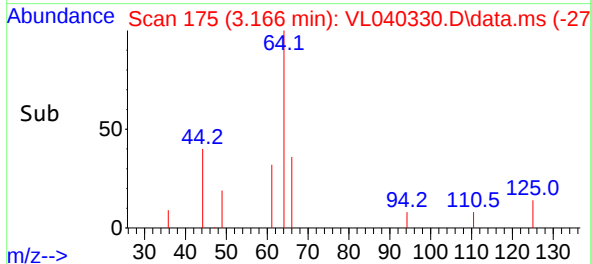
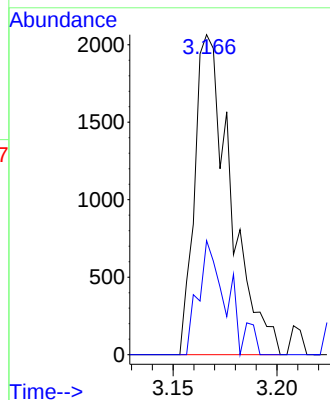
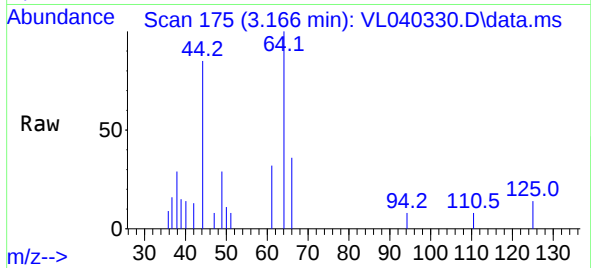




#7
Chloroethane
Concen: 0.113 ppbv
RT: 3.166 min Scan# 11
Delta R.T. -0.023 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

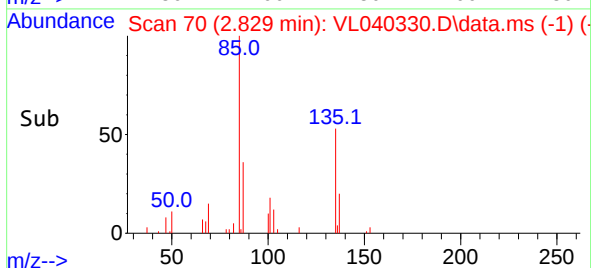
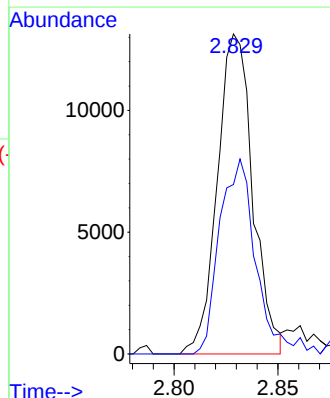
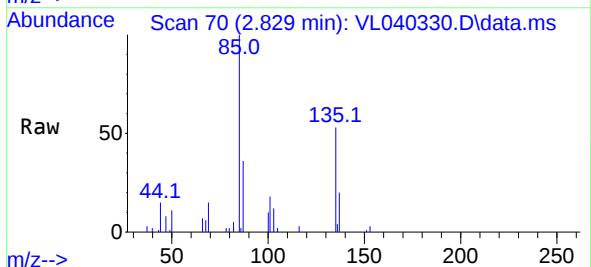
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT2-2023

Tgt Ion: 64 Resp: 2490
Ion Ratio Lower Upper
64 100
66 35.6 25.5 38.3

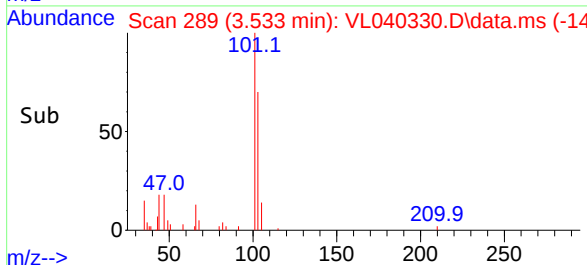
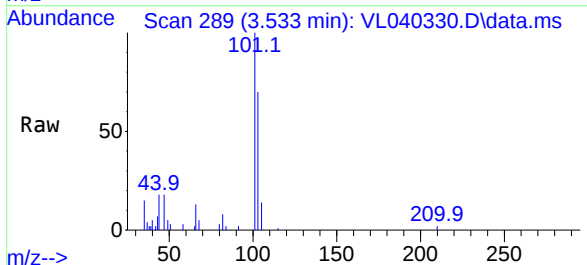
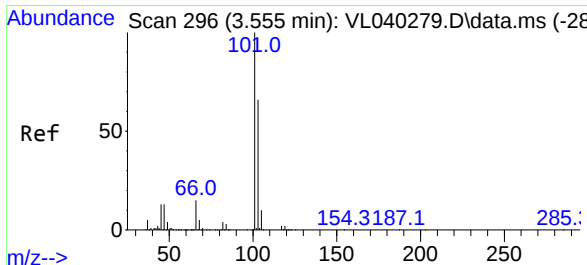
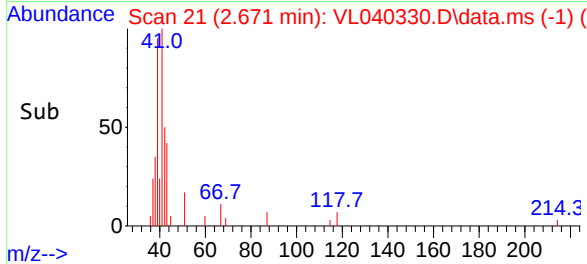
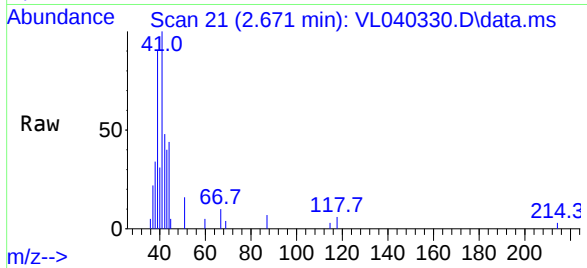
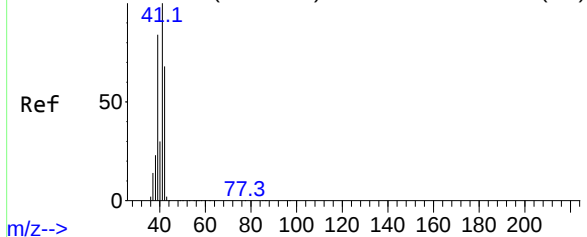


#8
Dichlorotetrafluoroethane
Concen: 0.101 ppbv
RT: 2.829 min Scan# 70
Delta R.T. -0.019 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

Tgt Ion: 85 Resp: 15572
Ion Ratio Lower Upper
85 100
135 64.6 52.0 78.0



Abundance Scan 25 (2.684 min): VL040279.D\data.ms (-15)



#9

Propene

Concen: 0.143 ppbv

RT: 2.671 min Scan# 21

Delta R.T. -0.013 min

Lab File: VL040330.D

Acq: 10 Apr 2023 18:17

Instrument :

MSVOA_L

ClientSampleId :

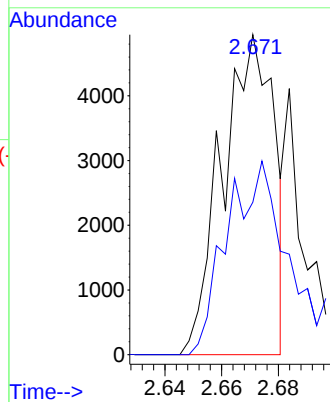
LOD-MDL-AIR-01-QT2-2023

Tgt Ion: 41 Resp: 6300

Ion Ratio Lower Upper

41 100

42 81.1 59.0 88.4



#11

Trichlorofluoromethane

Concen: 0.105 ppbv

RT: 3.533 min Scan# 289

Delta R.T. -0.022 min

Lab File: VL040330.D

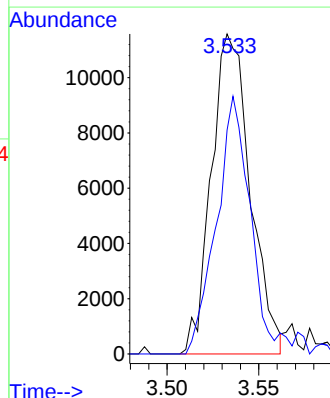
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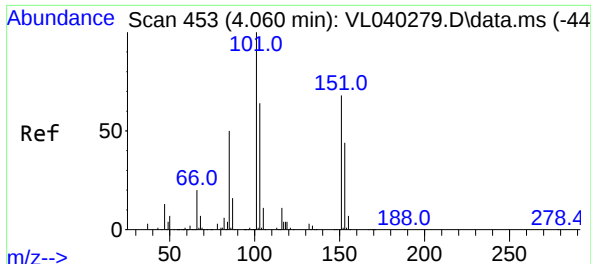
Tgt Ion:101 Resp: 17108

Ion Ratio Lower Upper

101 100

103 70.0 53.1 79.7

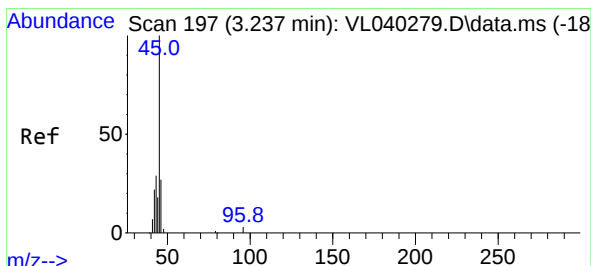
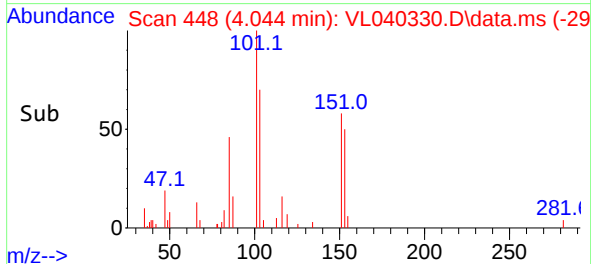
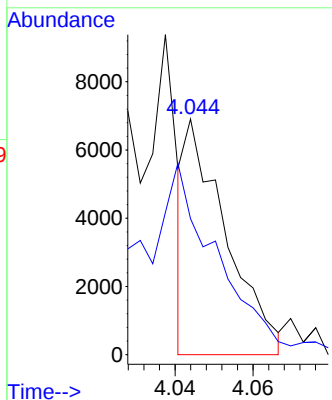
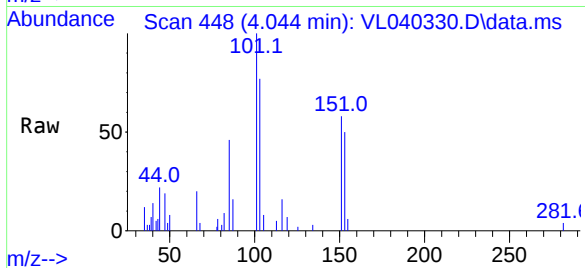




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.041 ppbv
RT: 4.044 min Scan# 44
Delta R.T. -0.016 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

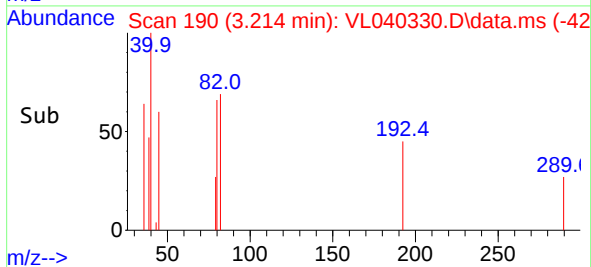
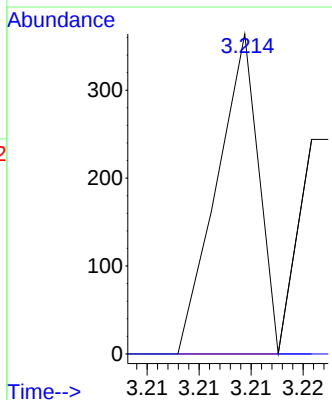
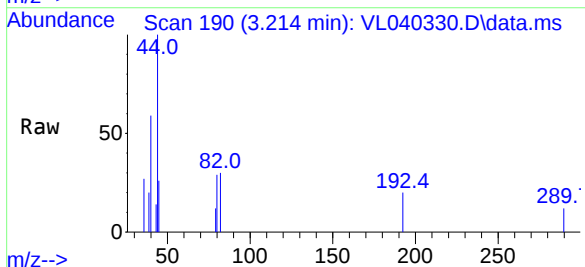
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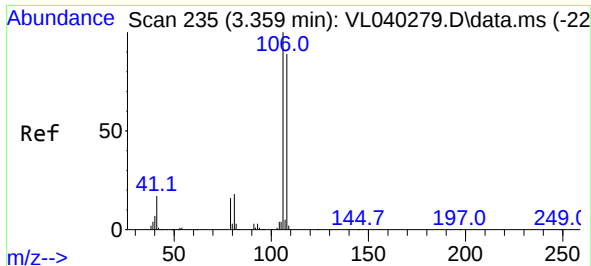
Tgt Ion:101 Resp: 5042
Ion Ratio Lower Upper
101 100
151 164.5 53.2 79.8#



#13
Ethanol
Concen: 0.032 ppbv
RT: 3.214 min Scan# 190
Delta R.T. -0.023 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

Tgt Ion: 45 Resp: 102
Ion Ratio Lower Upper
45 100
46 0.0 15.0 60.2#

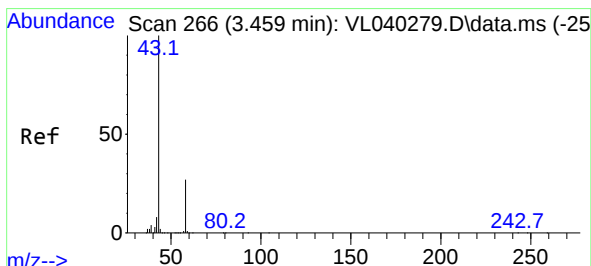
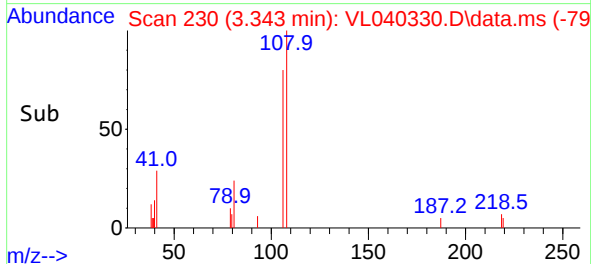
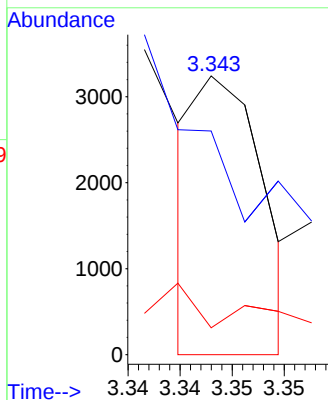
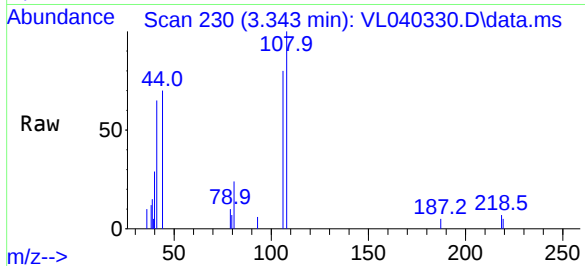




#14
Bromoethene
Concen: 0.032 ppbv
RT: 3.343 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

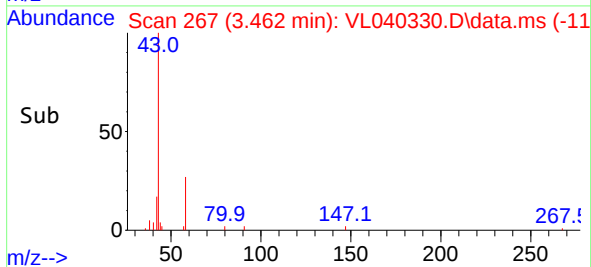
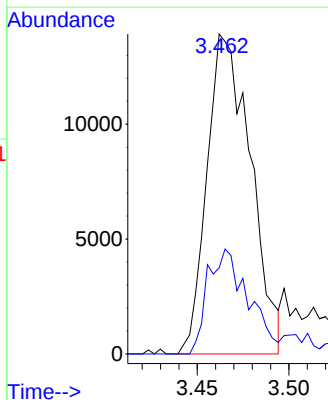
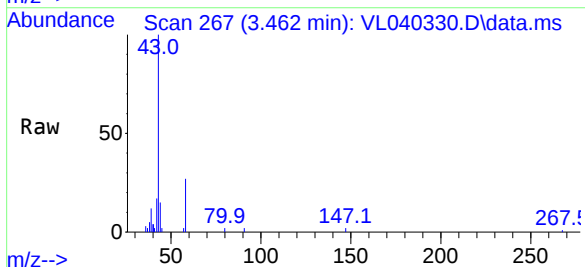
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2023

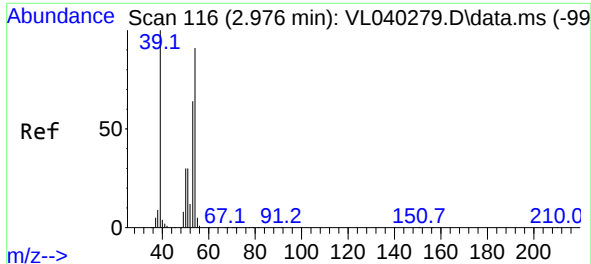
Tgt Ion:108 Resp: 1437
Ion Ratio Lower Upper
108 100
106 0.0 85.8 128.8#
79 0.0 15.8 23.6#



#15
Acetone
Concen: 0.206 ppbv
RT: 3.462 min Scan# 267
Delta R.T. 0.003 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

Tgt Ion: 43 Resp: 22996
Ion Ratio Lower Upper
43 100
58 36.6 21.8 32.8#

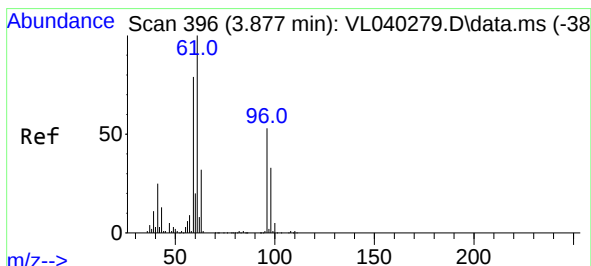
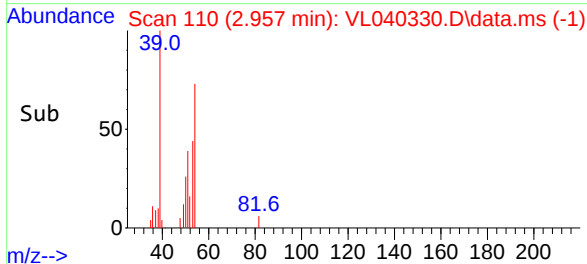
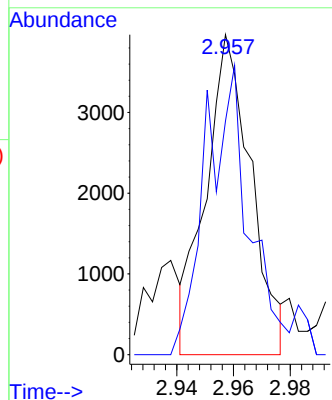
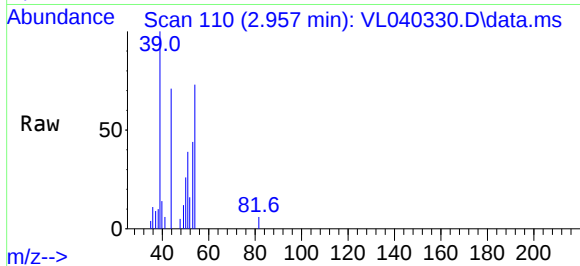




#16
1,3-Butadiene
Concen: 0.086 ppbv
RT: 2.957 min Scan# 116
Delta R.T. -0.019 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

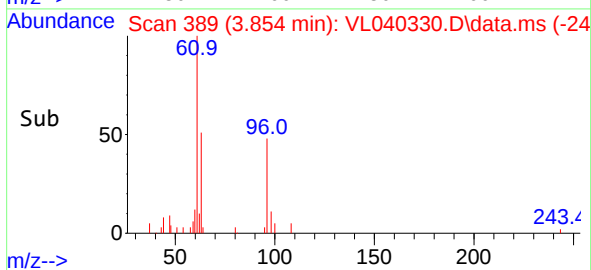
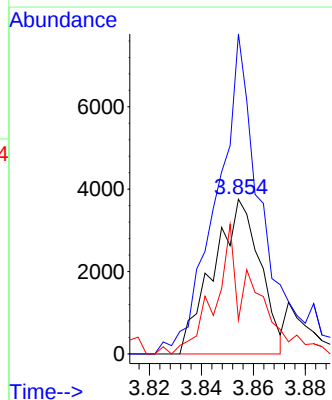
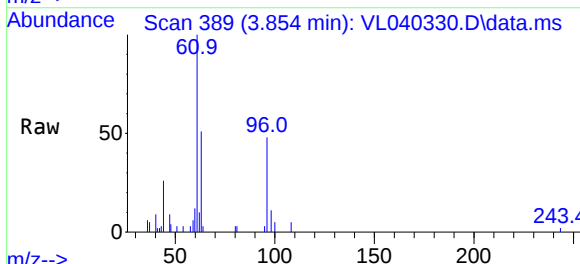
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2023

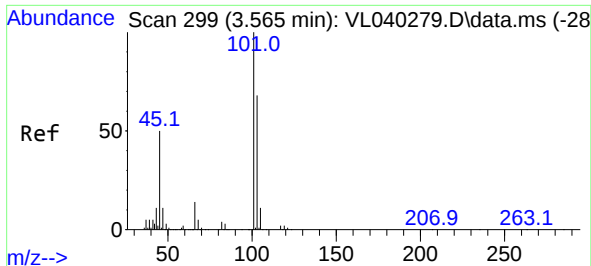
Tgt Ion: 39 Resp: 4377
Ion Ratio Lower Upper
39 100
54 92.5 68.4 102.6



#18
1,1-Dichloroethene
Concen: 0.090 ppbv
RT: 3.854 min Scan# 389
Delta R.T. -0.023 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

Tgt Ion: 96 Resp: 4709
Ion Ratio Lower Upper
96 100
61 192.3 150.6 226.0
98 16.4 50.3 75.5#





#19

Isopropyl Alcohol

Concen: 0.084 ppbv

RT: 3.575 min Scan# 302

Delta R.T. 0.010 min

Lab File: VL040330.D

Acq: 10 Apr 2023 18:17

Instrument :

MSVOA_1

ClientSampleId :

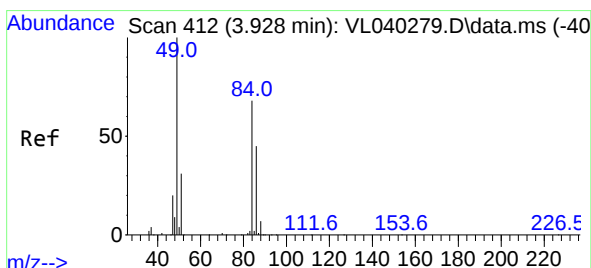
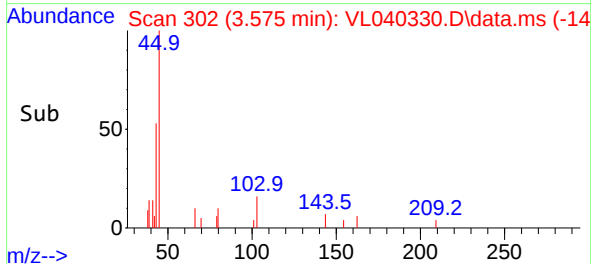
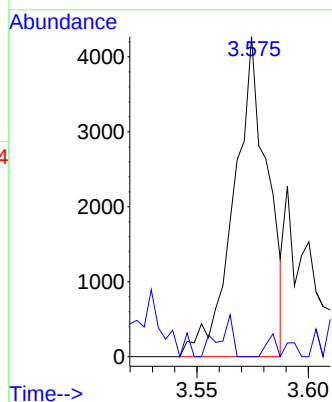
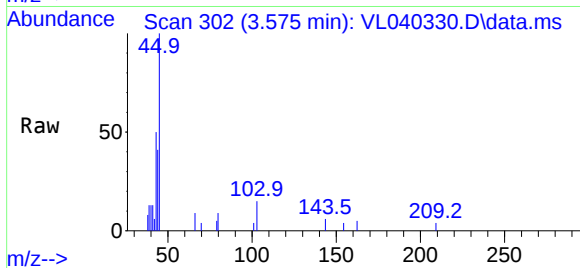
LOD-MDL-AIR-01-QT2-2023

Tgt Ion: 45 Resp: 4476

Ion Ratio Lower Upper

45 100

58 0.0 2.7 4.1#



#20

Methylene Chloride

Concen: 0.265 ppbv

RT: 3.906 min Scan# 405

Delta R.T. -0.022 min

Lab File: VL040330.D

Acq: 10 Apr 2023 18:17

Tgt Ion: 84 Resp: 12428

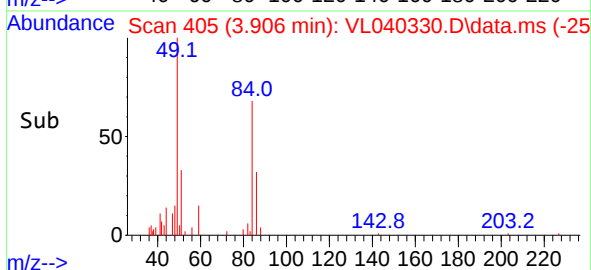
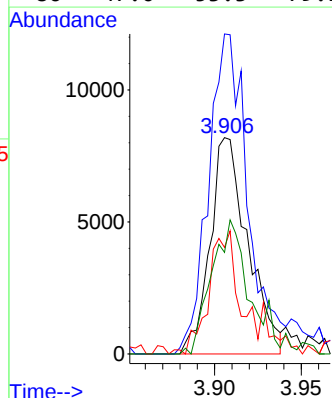
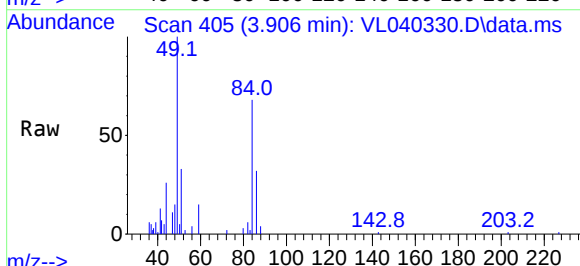
Ion Ratio Lower Upper

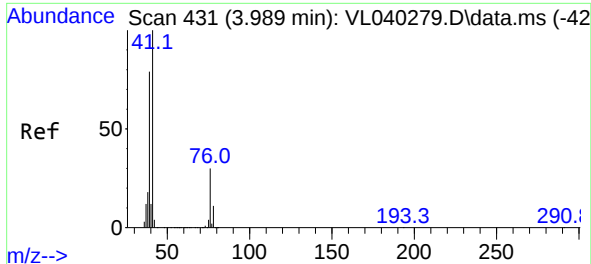
84 100

49 145.0 117.5 176.3

51 47.4 36.9 55.3

86 47.0 53.3 79.9#





#21

Allyl Chloride

Concen: 0.095 ppbv

RT: 3.967 min Scan# 41

Delta R.T. -0.022 min

Lab File: VL040330.D

Acq: 10 Apr 2023 18:17

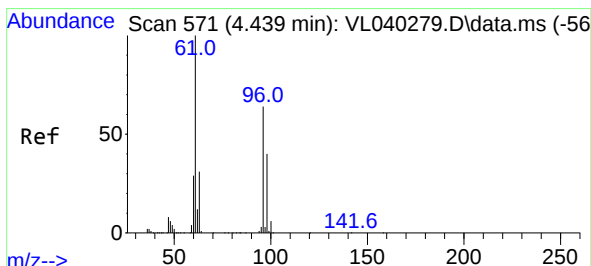
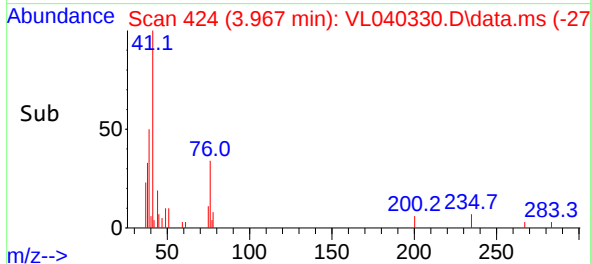
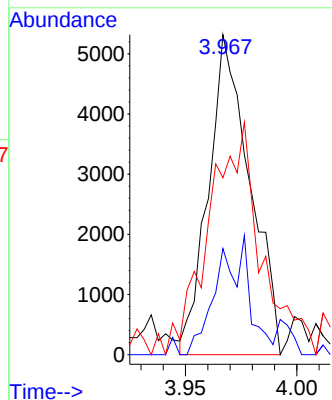
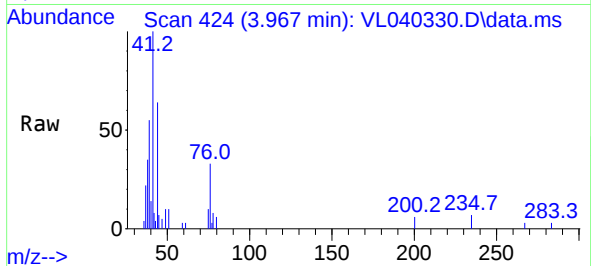
Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2023

Tgt Ion: 41	Resp: 6870
Ion Ratio	Lower Upper
41	100
76	33.7 25.4 38.0
39	103.5 65.4 98.2#



#22

trans-1,2-Dichloroethene

Concen: 0.069 ppbv

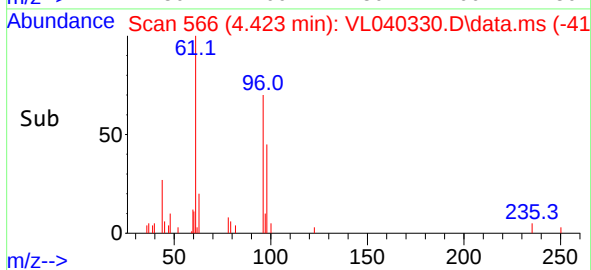
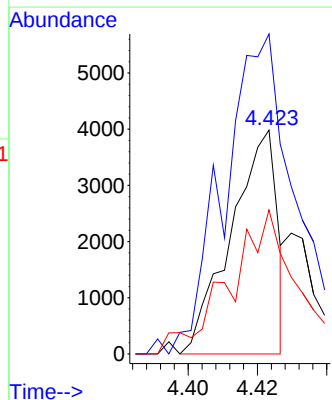
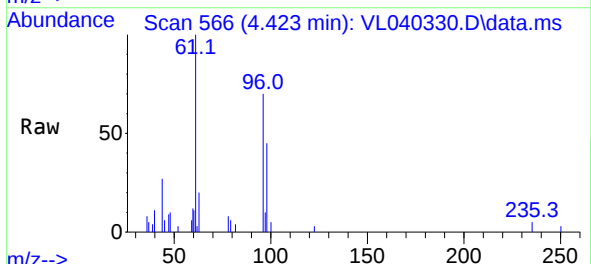
RT: 4.423 min Scan# 566

Delta R.T. -0.016 min

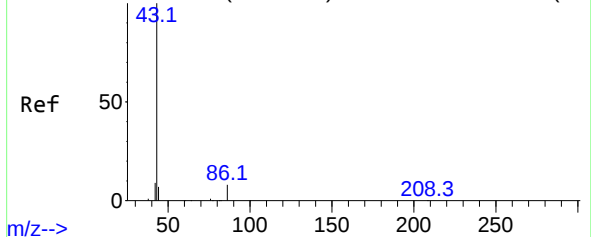
Lab File: VL040330.D

Acq: 10 Apr 2023 18:17

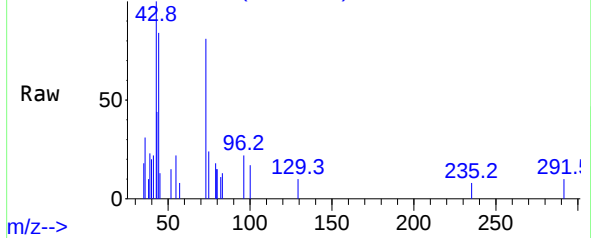
Tgt Ion: 96	Resp: 3700
Ion Ratio	Lower Upper
96	100
61	138.3 125.4 188.2
98	54.9 49.8 74.6



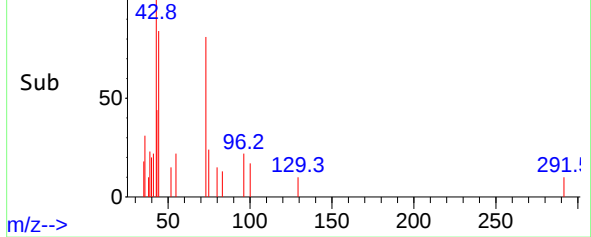
Abundance Scan 628 (4.623 min): VL040279.D\data.ms (-62



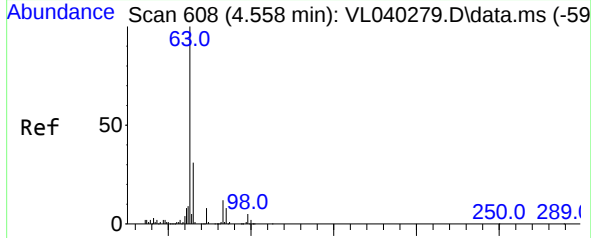
m/z--> Scan 621 (4.600 min): VL040330.D\data.ms



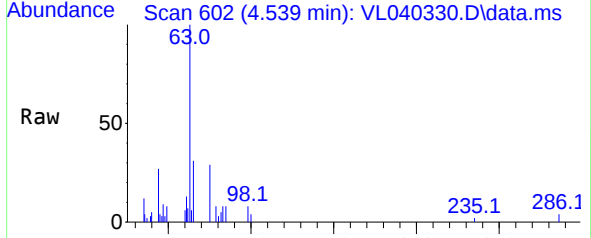
Abundance Scan 621 (4.600 min): VL040330.D\data.ms (-47



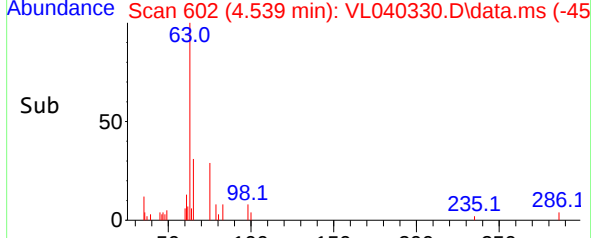
m/z--> Scan 608 (4.558 min): VL040279.D\data.ms (-59



m/z--> Scan 602 (4.539 min): VL040330.D\data.ms



Abundance Scan 602 (4.539 min): VL040330.D\data.ms (-45



m/z-->

#23

Vinyl Acetate

Concen: 0.044 ppbv

RT: 4.600 min Scan# 61

Delta R.T. -0.023 min

Lab File: VL040330.D

Acq: 10 Apr 2023 18:17

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT2-2023

Tgt Ion: 43 Resp: 1366

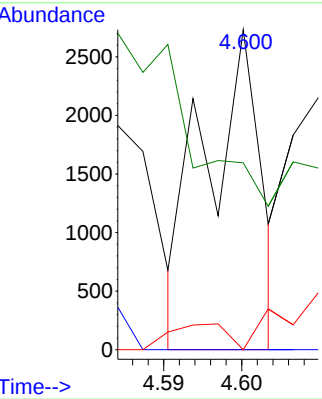
Ion Ratio Lower Upper

43 100

86 0.0 5.0 7.4#

42 85.3 9.1 13.7#

44 18.1 4.5 6.7#



#24

1,1-Dichloroethane

Concen: 0.052 ppbv

RT: 4.539 min Scan# 602

Delta R.T. -0.019 min

Lab File: VL040330.D

Acq: 10 Apr 2023 18:17

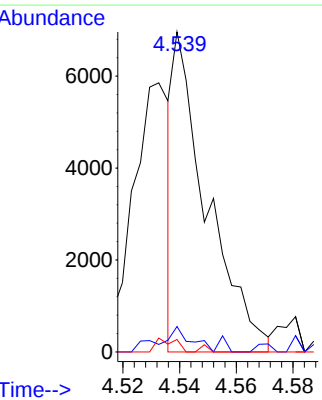
Tgt Ion: 63 Resp: 5726

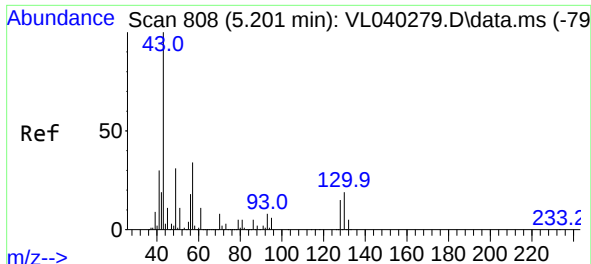
Ion Ratio Lower Upper

63 100

98 5.7 2.4 7.2

100 4.1 1.2 3.6#



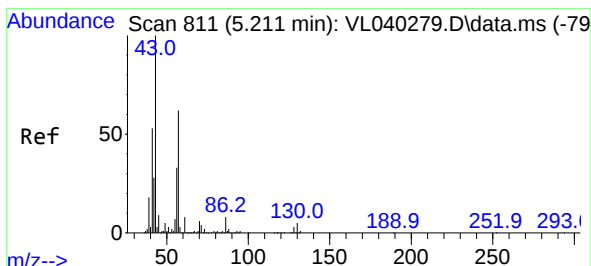
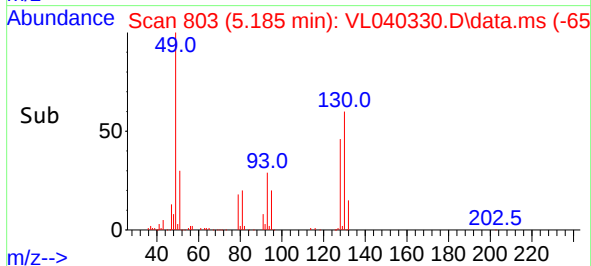
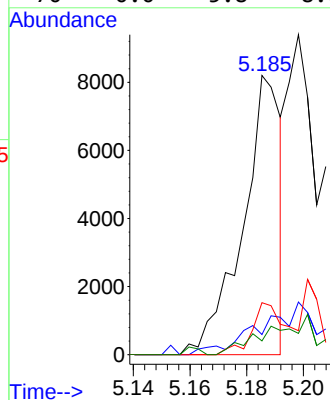
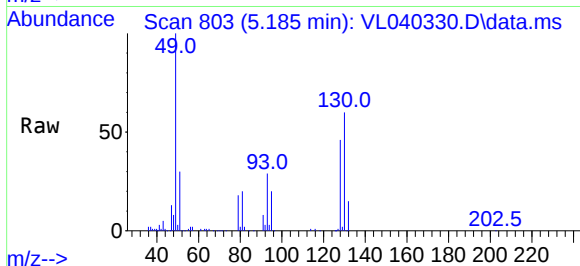


#25
Ethyl Acetate
Concen: 0.037 ppbv
RT: 5.185 min Scan# 802
Delta R.T. -0.016 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2023

Tgt Ion: 43 Resp: 7624

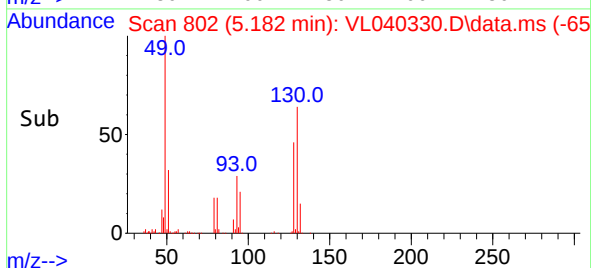
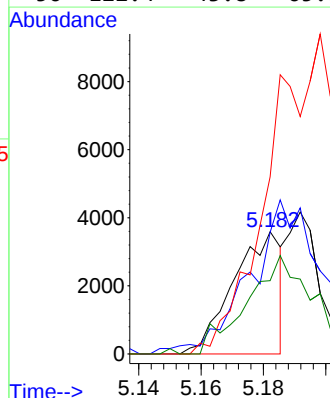
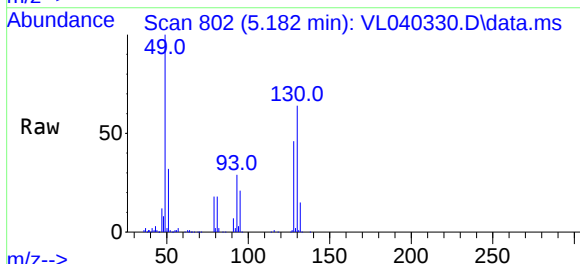
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.6	12.8#
61	0.0	8.4	12.6#
70	0.0	5.8	8.6#

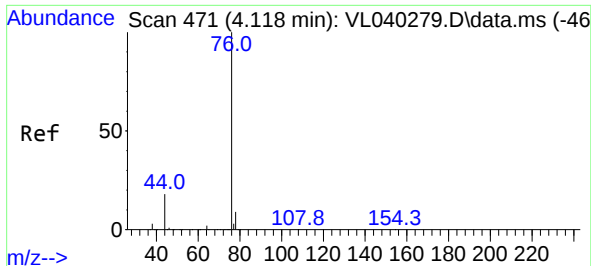


#26
Hexane
Concen: 0.045 ppbv
RT: 5.182 min Scan# 802
Delta R.T. -0.029 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

Tgt Ion: 57 Resp: 3836

Ion	Ratio	Lower	Upper
57	100		
41	209.3	73.5	110.3#
43	0.0	196.3	294.5#
56	122.4	43.8	65.8#

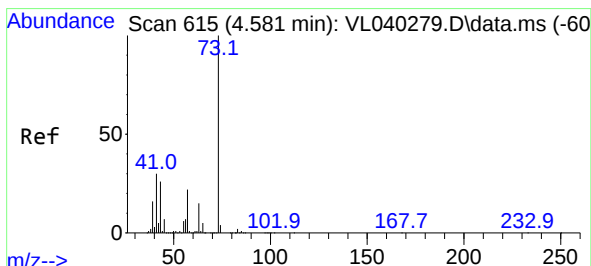
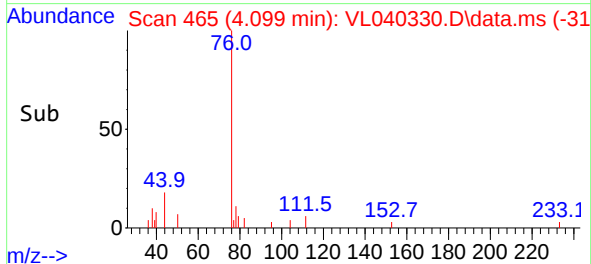
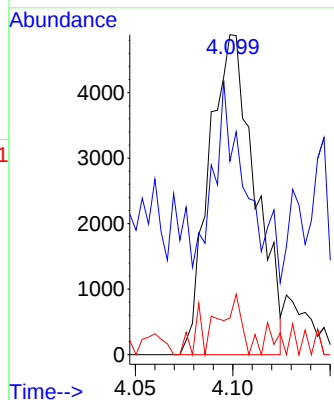
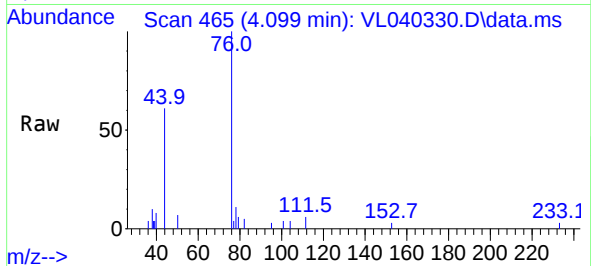




#27
Carbon Disulfide
Concen: 0.067 ppbv
RT: 4.099 min Scan# 409
Delta R.T. -0.019 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

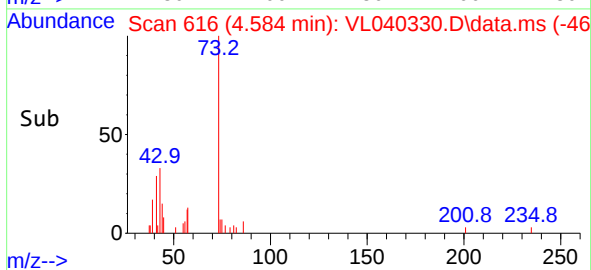
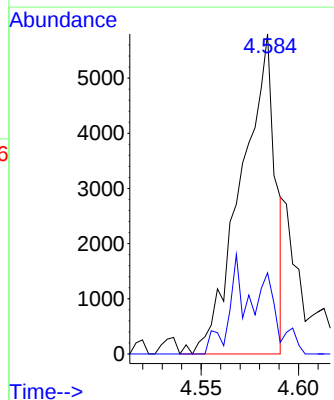
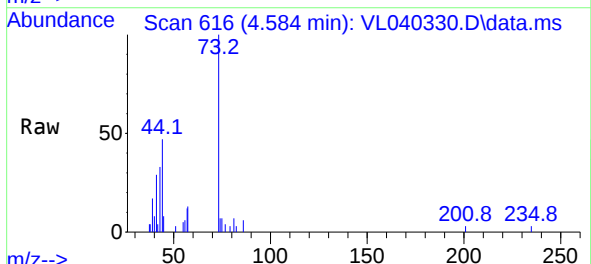
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2023

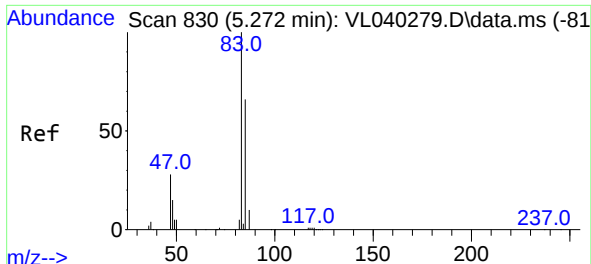
Tgt Ion: 76 Resp: 8014
Ion Ratio Lower Upper
76 100
44 52.4 15.2 22.8#
78 12.1 7.6 11.4#



#28
Methyl tert-Butyl Ether
Concen: 0.072 ppbv
RT: 4.584 min Scan# 616
Delta R.T. 0.003 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

Tgt Ion: 73 Resp: 7053
Ion Ratio Lower Upper
73 100
57 29.5 18.4 27.6#





#29

Chloroform

Concen: 0.099 ppbv

RT: 5.246 min Scan# 81

Delta R.T. -0.026 min

Lab File: VL040330.D

Acq: 10 Apr 2023 18:17

Instrument :

MSVOA_L

ClientSampleId :

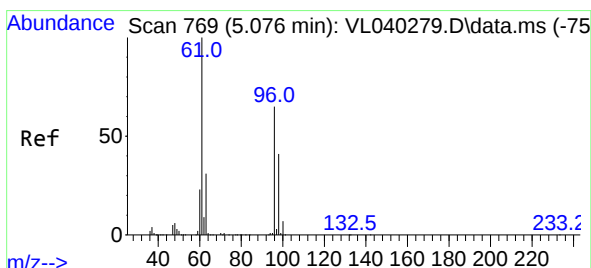
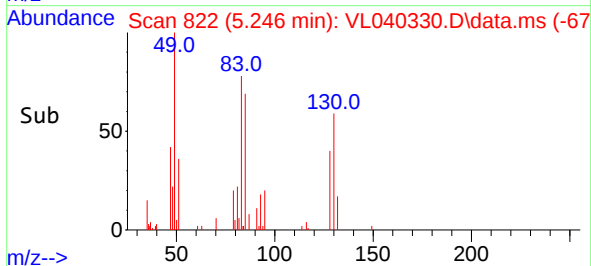
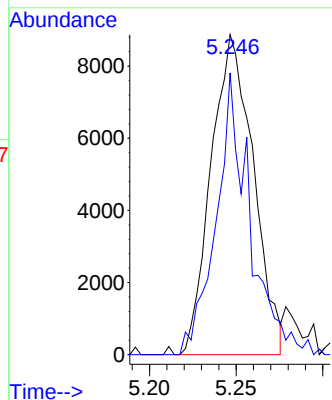
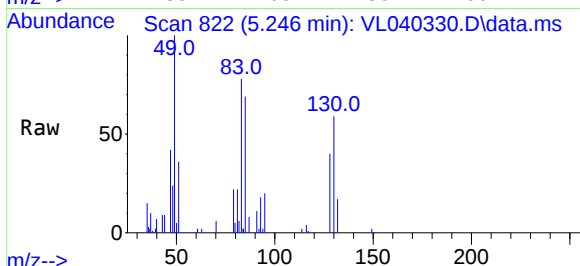
LOD-MDL-AIR-01-QT2-2023

Tgt Ion: 83 Resp: 15040

Ion Ratio Lower Upper

83 100

85 88.1 52.8 79.2#



#31

cis-1,2-Dichloroethene

Concen: 0.086 ppbv

RT: 5.057 min Scan# 763

Delta R.T. -0.019 min

Lab File: VL040330.D

Acq: 10 Apr 2023 18:17

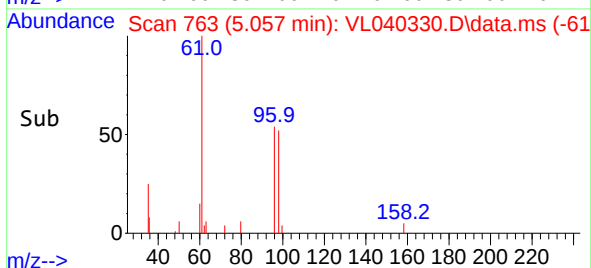
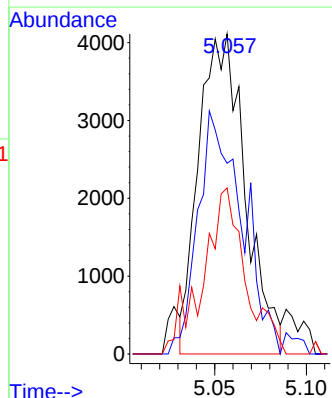
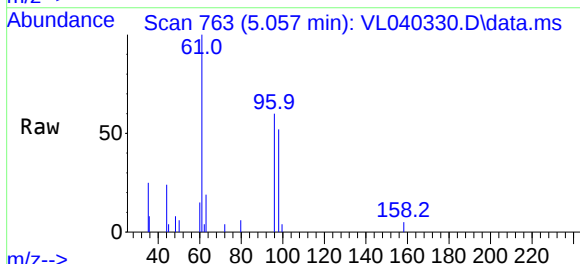
Tgt Ion: 61 Resp: 7205

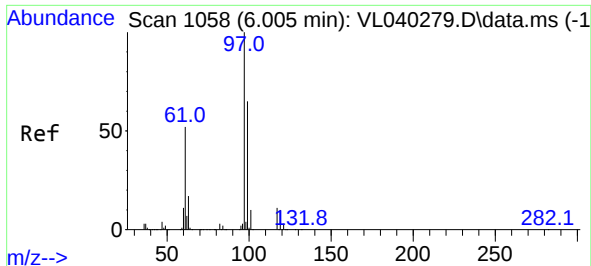
Ion Ratio Lower Upper

61 100

96 65.5 51.8 77.8

98 52.6 32.5 48.7#

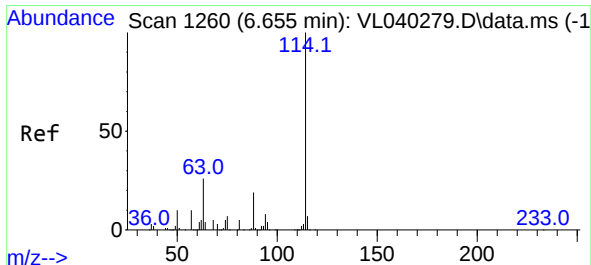
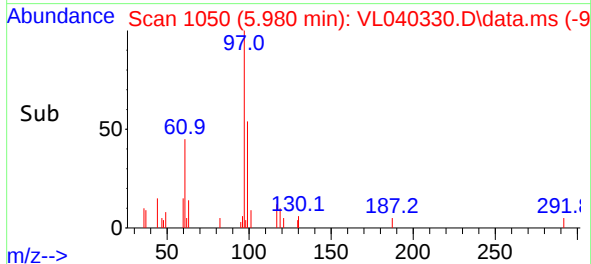
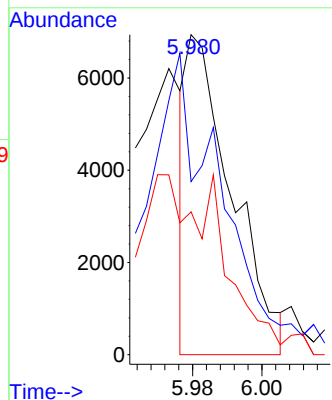
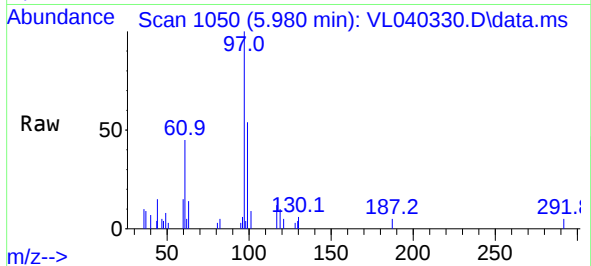




#32
1,1,1-Trichloroethane
Concen: 0.043 ppbv
RT: 5.980 min Scan# 1058
Delta R.T. -0.025 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

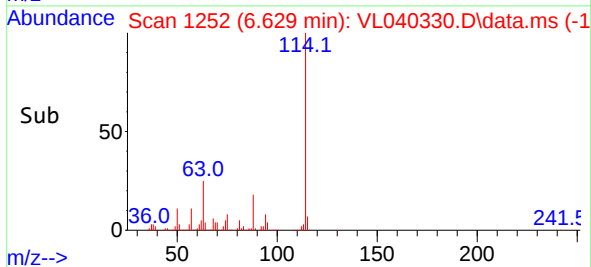
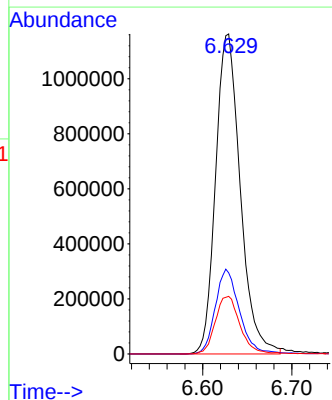
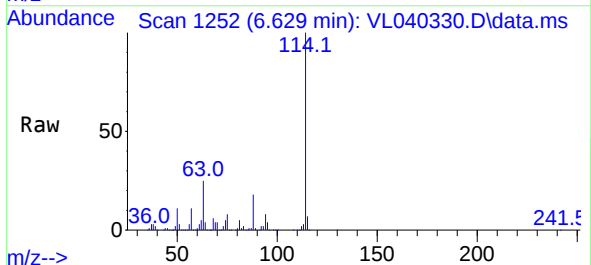
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2023

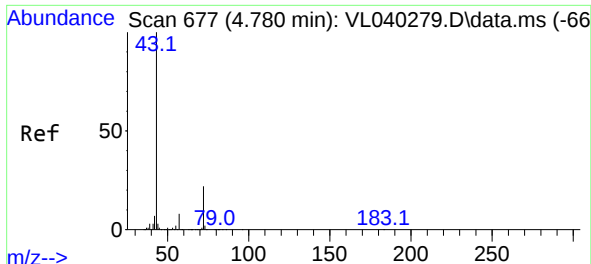
Tgt Ion: 97 Resp: 6264
Ion Ratio Lower Upper
97 100
99 163.3 52.2 78.2#
61 0.0 41.4 62.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.629 min Scan# 1252
Delta R.T. -0.026 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

Tgt Ion: 114 Resp: 2235793
Ion Ratio Lower Upper
114 100
63 26.1 21.2 31.8
88 18.3 14.5 21.7

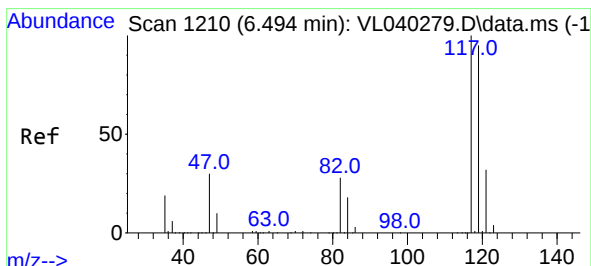
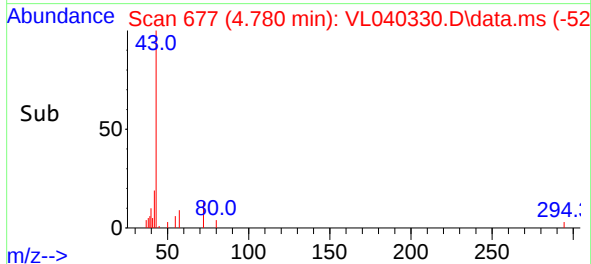
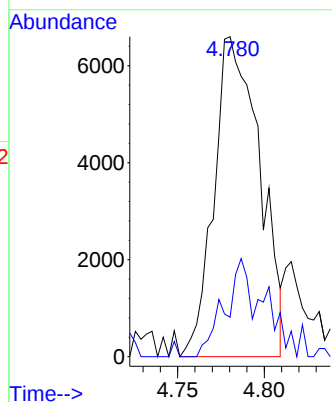
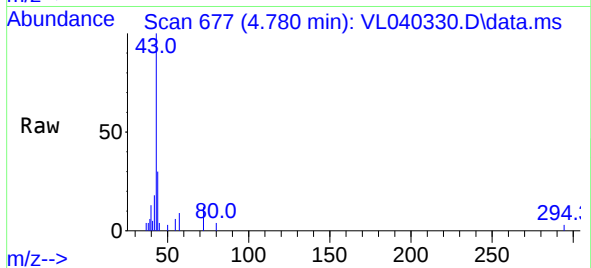




#34
2-Butanone
Concen: 0.110 ppbv
RT: 4.780 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

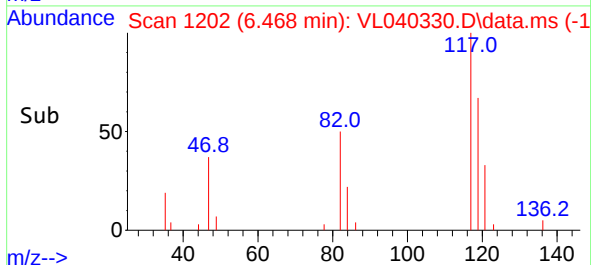
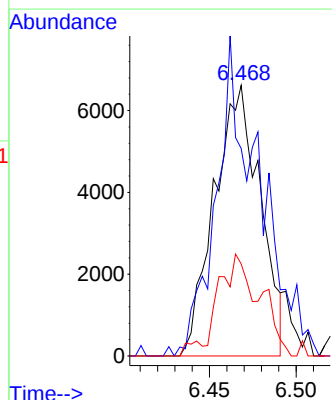
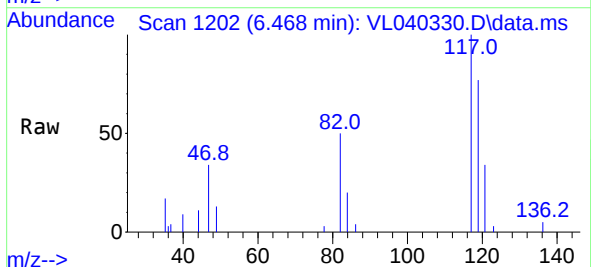
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2023

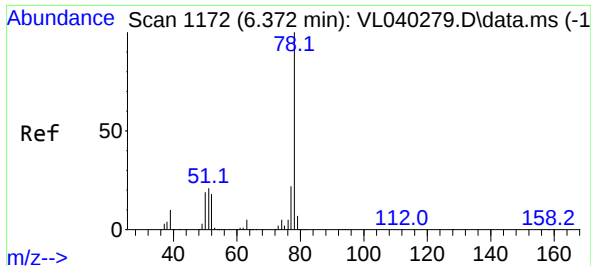
Tgt Ion: 43 Resp: 12090
Ion Ratio Lower Upper
43 100
72 27.2 18.3 27.5



#35
Carbon Tetrachloride
Concen: 0.087 ppbv
RT: 6.468 min Scan# 1202
Delta R.T. -0.026 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

Tgt Ion: 117 Resp: 12189
Ion Ratio Lower Upper
117 100
119 73.4 76.4 114.6#
121 34.0 25.6 38.4

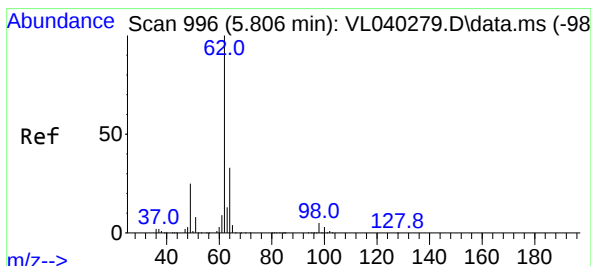
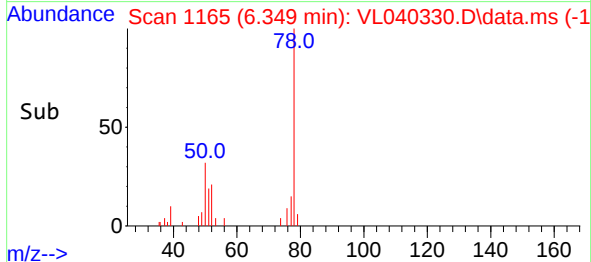
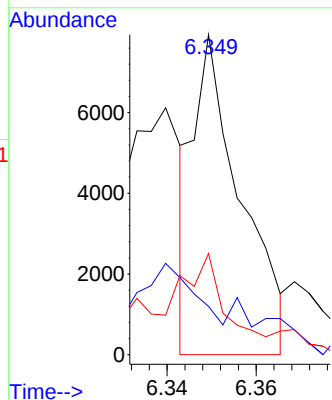
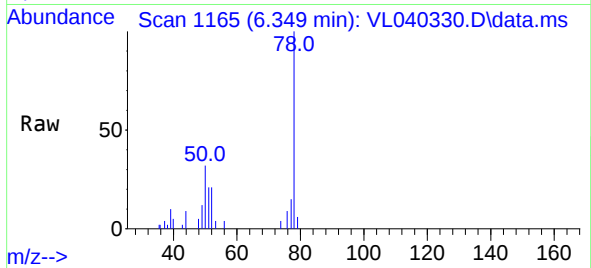




#36
Benzene
Concen: 0.034 ppbv
RT: 6.349 min Scan# 1172
Delta R.T. -0.023 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

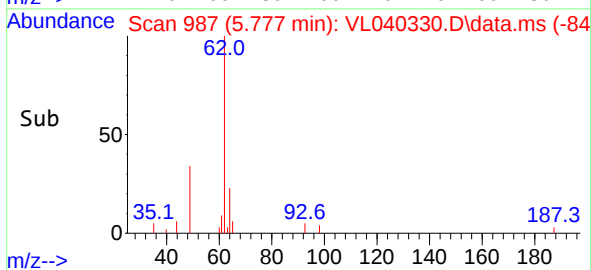
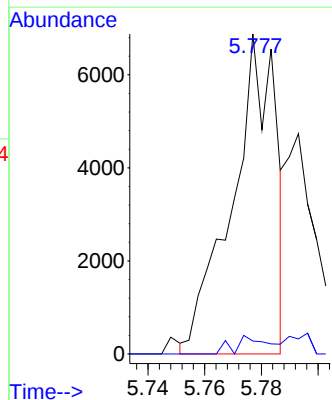
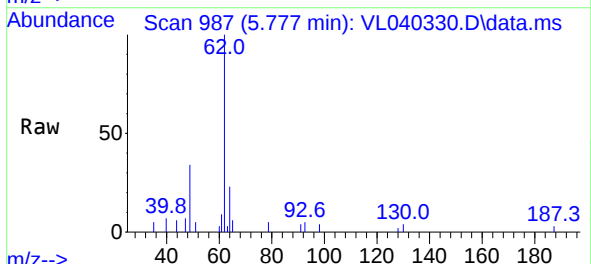
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2023

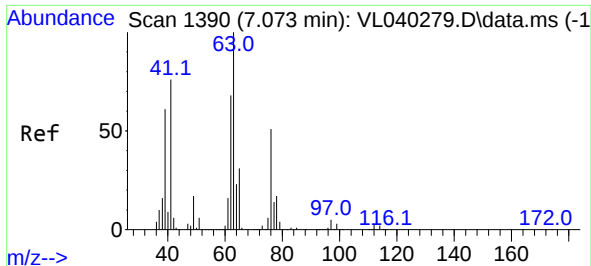
Tgt Ion: 78 Resp: 5823
Ion Ratio Lower Upper
78 100
77 4.7 17.8 26.8#
50 30.0 15.4 23.2#



#37
1,2-Dichloroethane
Concen: 0.066 ppbv
RT: 5.777 min Scan# 987
Delta R.T. -0.029 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

Tgt Ion: 62 Resp: 7344
Ion Ratio Lower Upper
62 100
98 0.0 4.3 6.5#





#39

1,2-Dichloropropane

Concen: 8.664 ppbv

RT: 6.626 min Scan# 11

Delta R.T. -0.447 min

Lab File: VL040330.D

Acq: 10 Apr 2023 18:17

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2023

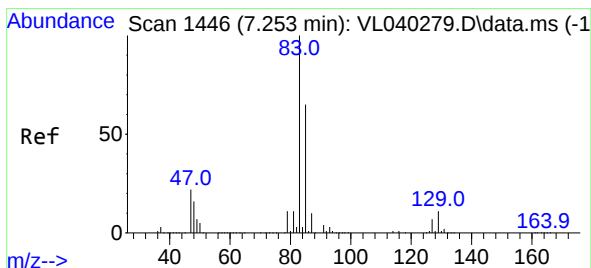
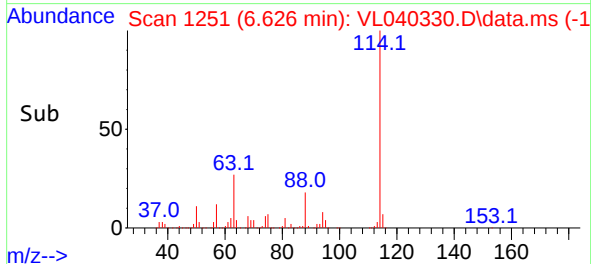
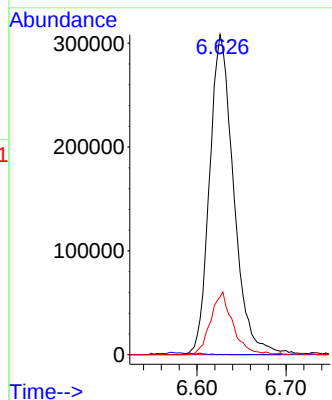
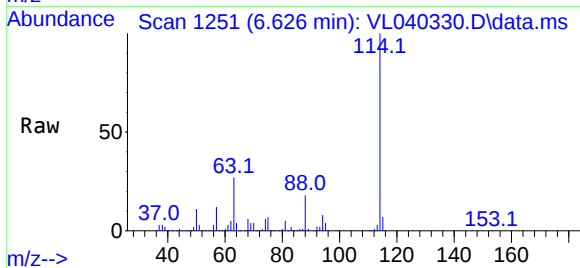
Tgt Ion: 63 Resp: 579195

Ion Ratio Lower Upper

63 100

41 0.1 60.8 91.2#

62 18.1 54.1 81.1#



#42

Bromodichloromethane

Concen: 0.040 ppbv

RT: 7.227 min Scan# 1438

Delta R.T. -0.026 min

Lab File: VL040330.D

Acq: 10 Apr 2023 18:17

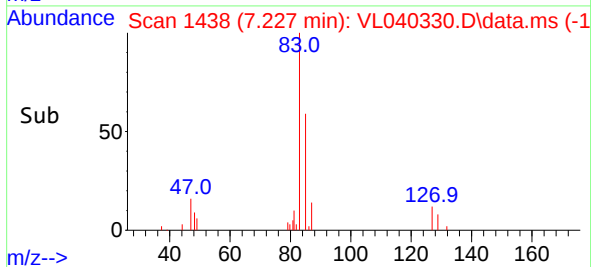
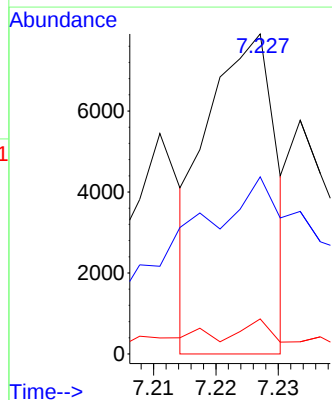
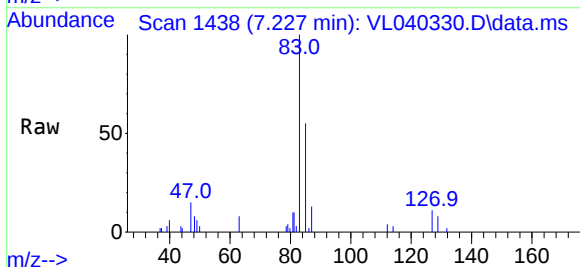
Tgt Ion: 83 Resp: 6075

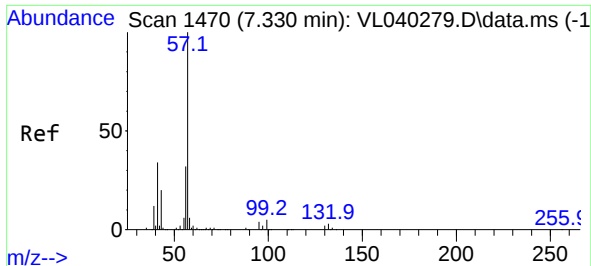
Ion Ratio Lower Upper

83 100

85 33.0 52.1 78.1#

127 15.1 5.8 8.6#

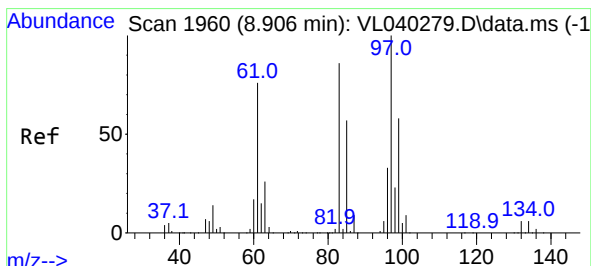
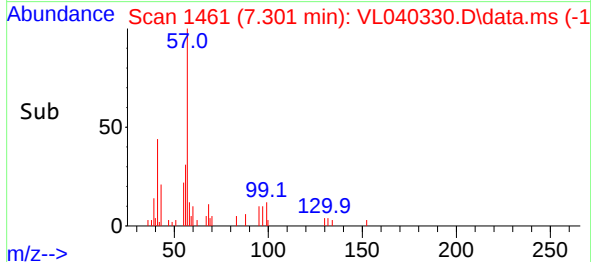
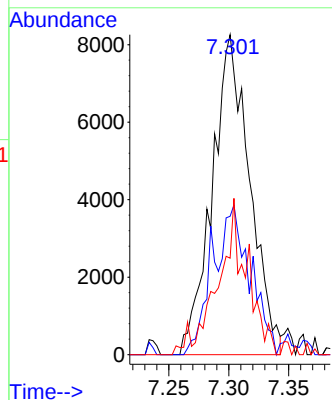
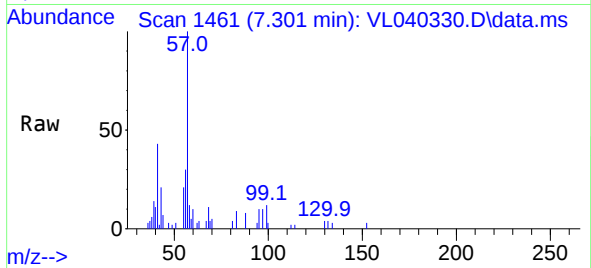




#44
2,2,4-Trimethylpentane
Concen: 0.063 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. -0.029 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

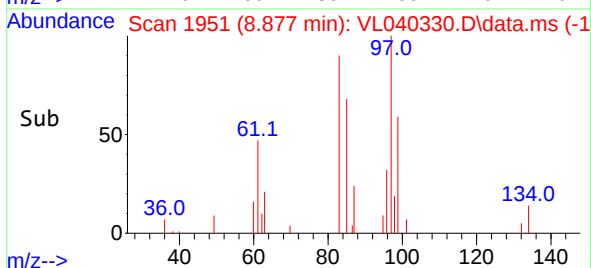
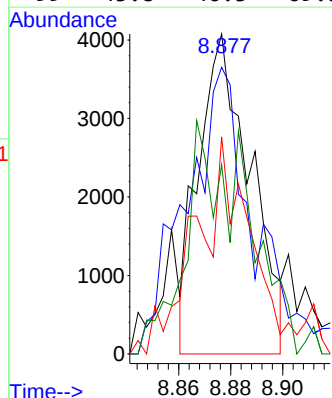
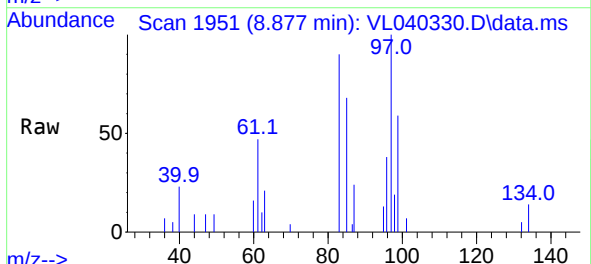
Instrument : MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT2-2023

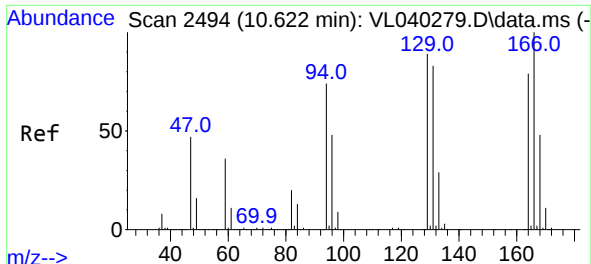
Tgt Ion:	57	Resp:	18018
Ion	Ratio	Lower	Upper
57	100		
41	49.4	26.8	40.2#
56	38.3	25.0	37.6#



#47
1,1,2-Trichloroethane
Concen: 0.079 ppbv
RT: 8.877 min Scan# 1951
Delta R.T. -0.029 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

Tgt Ion:	97	Resp:	5669
Ion	Ratio	Lower	Upper
97	100		
83	81.3	68.6	103.0
85	75.3	46.0	69.0#
99	43.8	46.3	69.5#

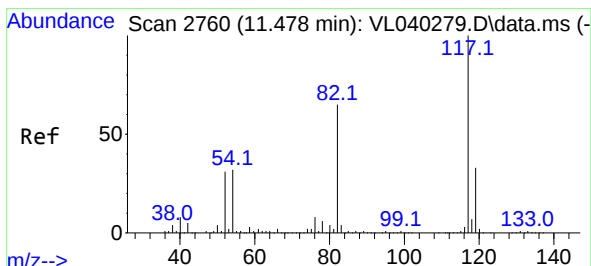
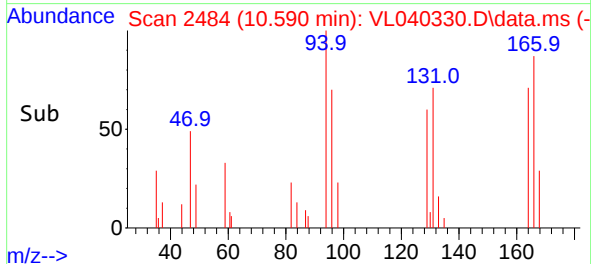
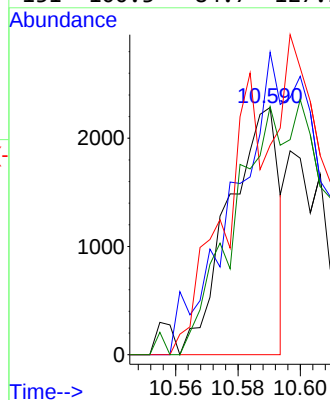
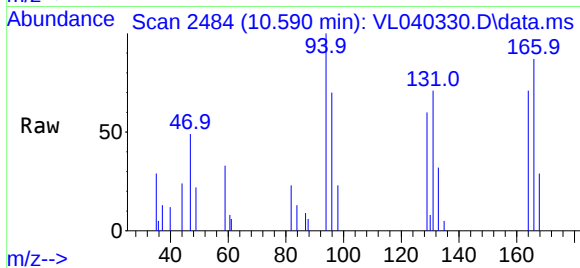




#52
Tetrachloroethene
Concen: 0.049 ppbv
RT: 10.590 min Scan# 2494
Delta R.T. -0.032 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

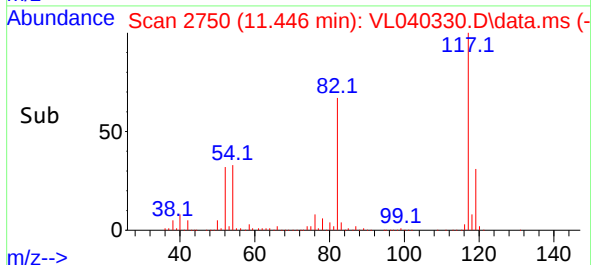
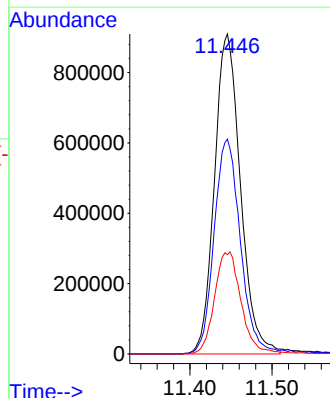
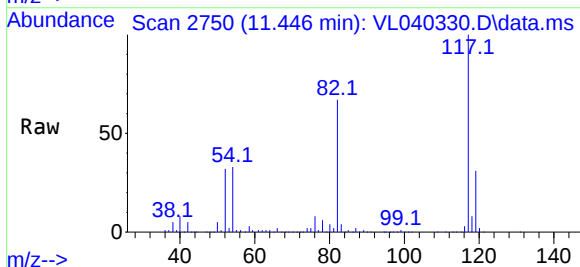
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2023

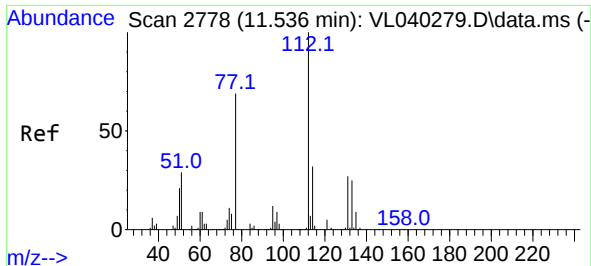
Tgt Ion:164 Resp: 2534
Ion Ratio Lower Upper
164 100
166 96.8 101.8 152.6#
129 76.4 90.2 135.2#
131 100.3 84.7 127.1



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.446 min Scan# 2750
Delta R.T. -0.032 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

Tgt Ion:117 Resp: 2005698
Ion Ratio Lower Upper
117 100
82 69.4 51.4 77.2
119 32.8 24.0 36.0

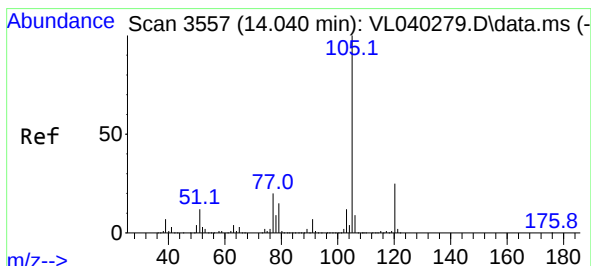
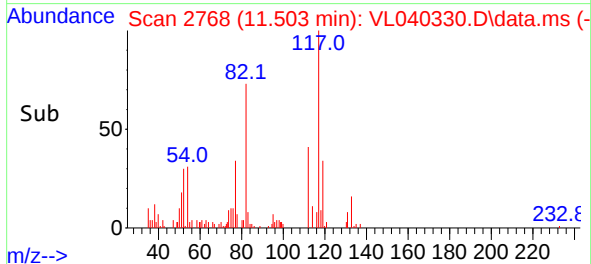
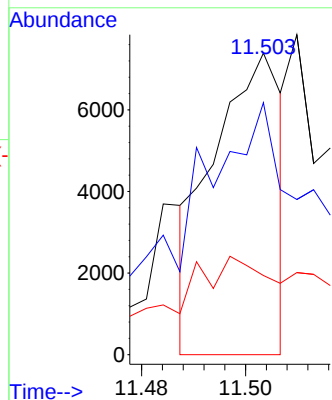
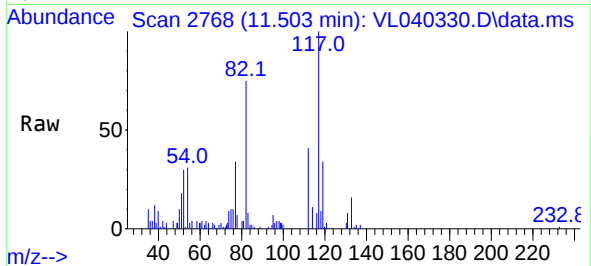




#57
Chlorobenzene
Concen: 0.048 ppbv
RT: 11.503 min Scan# 21
Delta R.T. -0.033 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

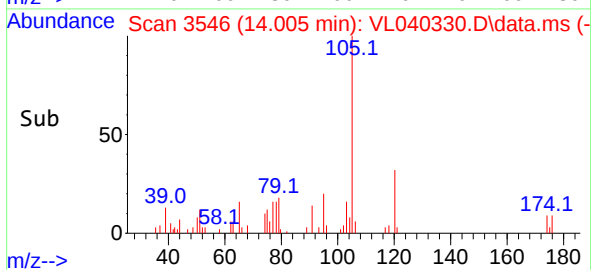
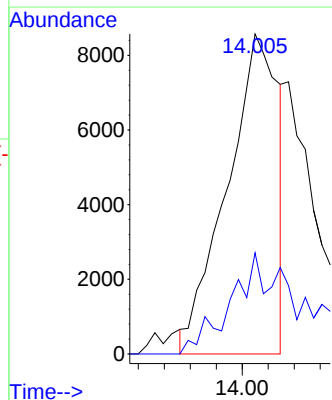
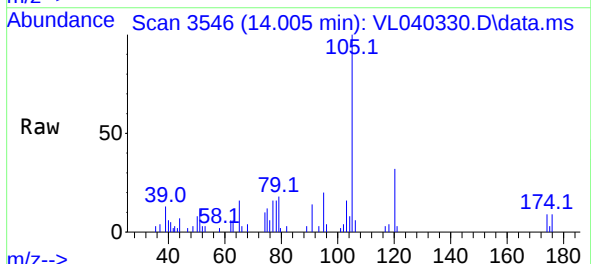
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2023

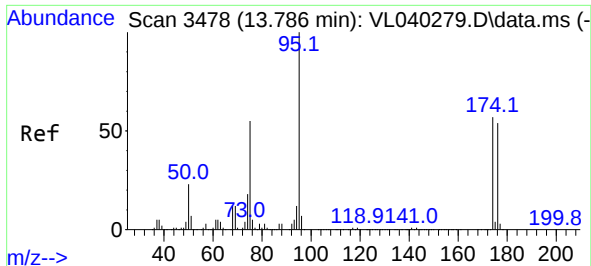
Tgt Ion:112 Resp: 6797
Ion Ratio Lower Upper
112 100
77 144.9 56.2 84.2#
114 25.1 29.0 35.4#



#62
Isopropylbenzene
Concen: 0.041 ppbv
RT: 14.005 min Scan# 3546
Delta R.T. -0.035 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

Tgt Ion:105 Resp: 11682
Ion Ratio Lower Upper
105 100
120 42.8 19.9 29.9#

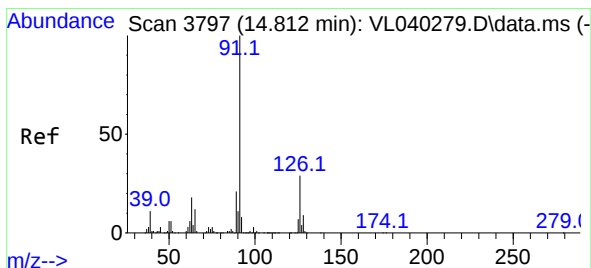
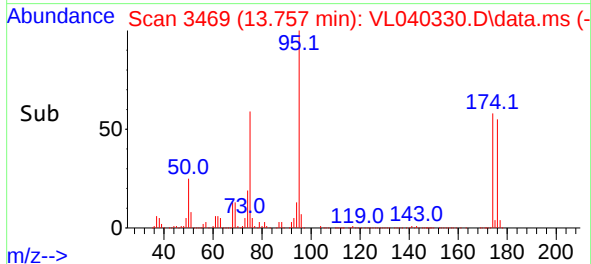
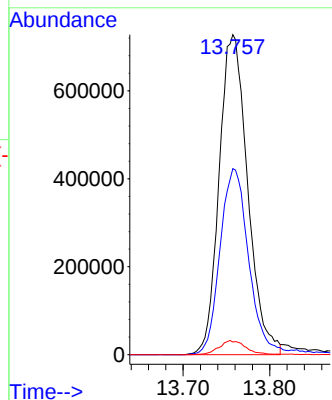
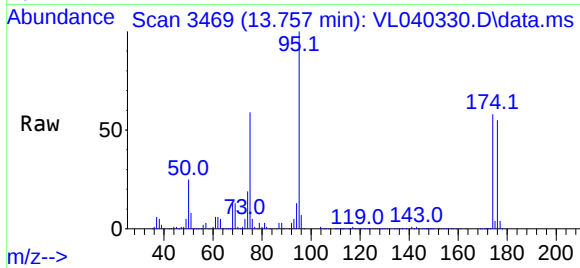




#68
1-Bromo-4-Fluorobenzene
Concen: 9.917 ppbv
RT: 13.757 min Scan# 3475
Delta R.T. -0.029 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

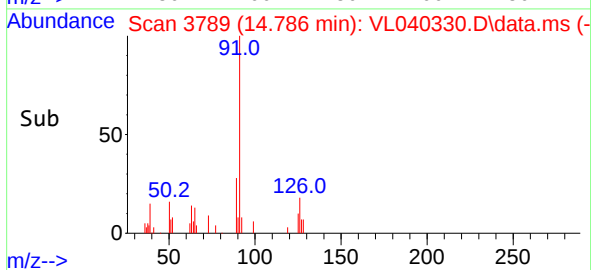
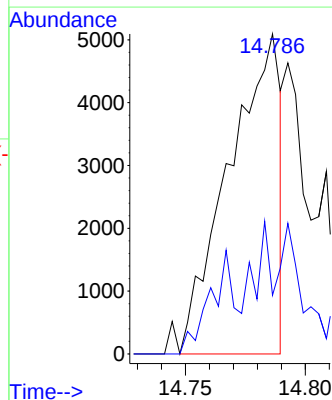
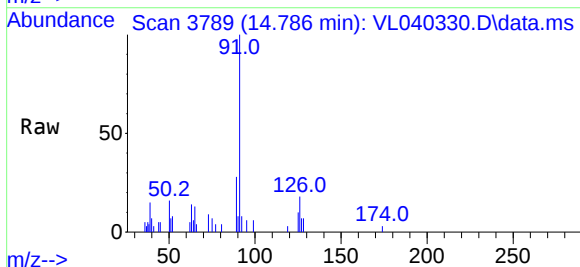
Instrument : MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT2-2023

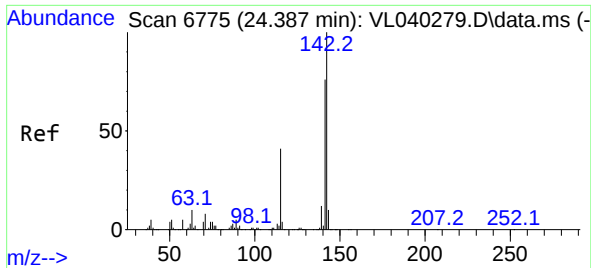
Tgt Ion: 95 Resp: 1665635
Ion Ratio Lower Upper
95 100
174 60.5 47.0 70.6
175 4.3 3.4 5.2



#71
2-Chlorotoluene
Concen: 0.035 ppbv
RT: 14.786 min Scan# 3789
Delta R.T. -0.026 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

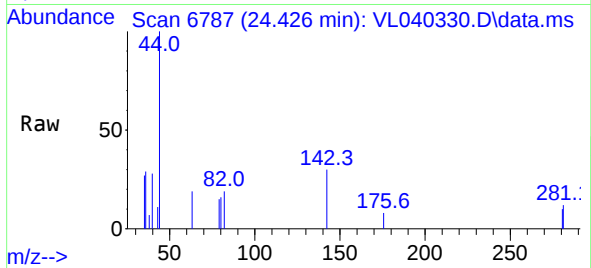
Tgt Ion: 91 Resp: 7554
Ion Ratio Lower Upper
91 100
126 50.7 11.8 47.4#





#80
Naphthalene, 2-methyl-
Concen: 0.030 ppbv
RT: 24.426 min Scan# 61
Delta R.T. 0.039 min
Lab File: VL040330.D
Acq: 10 Apr 2023 18:17

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2023



Tgt Ion:	142	Resp:	1019
Ion	Ratio	Lower	Upper
142	100		
141	18.6	65.5	98.3#
115	13.2	33.5	50.3#

