

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050824\
 Data File : VL041240.D
 Acq On : 8 May 2024 12:35
 Operator : SY/MD
 Sample : P2403-13 LOD 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2024

Quant Time: May 09 04:50:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu May 09 02:43:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	825699	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2196314	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.491	117	2020525	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.802	95	1537385	10.079	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.800%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	2.745	85	67513	0.604	ppbv	93
3) Chlorodifluoromethane	2.694	51	58206	0.464	ppbv	99
4) Chloromethane	2.835	50	22511	0.457	ppbv #	85
5) Vinyl Chloride	2.938	62	20936	0.424	ppbv	100
6) Bromomethane	3.140	94	8175	0.453	ppbv	100
7) Chloroethane	3.218	64	8011	0.459	ppbv #	76
8) Dichlorotetrafluoroethane	2.874	85	56450	0.488	ppbv	99
9) Propene	2.713	41	19923	0.406	ppbv	88
10) Heptane	7.603	43	45961	0.387	ppbv	97
11) Trichlorofluoromethane	3.581	101	52572	0.463	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.086	101	36841	0.439	ppbv	98
13) Ethanol	3.272	45	1623	0.148	ppbv #	50
14) Bromoethene	3.388	108	13758	0.397	ppbv #	83
15) Acetone	3.504	43	48824	0.501	ppbv #	85
16) 1,3-Butadiene	3.002	39	20249	0.412	ppbv	91
17) tert-Butyl alcohol	3.919	59	33865	0.322	ppbv	95
18) 1,1-Dichloroethene	3.899	96	15129	0.404	ppbv #	87
19) Isopropyl Alcohol	3.607	45	8778	0.137	ppbv #	61
20) Methylene Chloride	3.957	84	17887	0.528	ppbv	92
21) Allyl Chloride	4.018	41	24894	0.392	ppbv	88
22) trans-1,2-Dichloroethene	4.468	96	15925	0.409	ppbv	97
23) Vinyl Acetate	4.658	43	33727	0.314	ppbv #	96
24) 1,1-Dichloroethane	4.587	63	36987	0.443	ppbv	98
25) Ethyl Acetate	5.234	43	70504	0.362	ppbv #	95
26) Hexane	5.237	57	33679	0.388	ppbv	91
27) Carbon Disulfide	4.150	76	36841	0.359	ppbv #	68
28) Methyl tert-Butyl Ether	4.620	73	25874	0.374	ppbv	92
29) Chloroform	5.295	83	57197	0.478	ppbv	98
30) Cyclohexane	6.629	84	13761	0.200	ppbv #	7
31) cis-1,2-Dichloroethene	5.102	61	20755	0.255	ppbv	89
32) 1,1,1-Trichloroethane	6.031	97	51684	0.433	ppbv	95
34) 2-Butanone	4.822	43	46917	0.420	ppbv	95
35) Carbon Tetrachloride	6.510	117	24842	0.202	ppbv	92
36) Benzene	6.388	78	72371	0.393	ppbv #	93
37) 1,2-Dichloroethane	5.828	62	23930	0.249	ppbv #	82
38) Trichloroethene	7.314	130	28222	0.411	ppbv	88
39) 1,2-Dichloropropane	7.099	63	29267	0.412	ppbv #	87
41) Tetrahydrofuran	5.603	42	28694	0.355	ppbv	96
42) Bromodichloromethane	7.275	83	56609	0.410	ppbv #	98
43) Methyl Methacrylate	7.507	69	18151	0.243	ppbv #	43
44) 2,2,4-Trimethylpentane	7.353	57	125746	0.396	ppbv	97
45) t-1,3-Dichloropropene	8.738	75	5696	0.105	ppbv	100
46) cis-1,3-Dichloropropene	8.169	75	15849	0.240	ppbv #	91

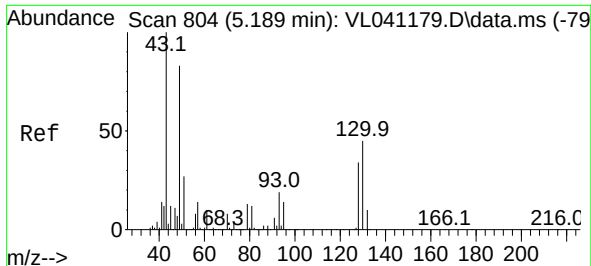
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050824\
 Data File : VL041240.D
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Quant Time: May 09 04:50:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu May 09 02:43:03 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	8.915	97	17849	0.251	ppbv	87
48) Dibromochloromethane	9.735	129	25654	0.226	ppbv #	10
49) Bromoform	12.433	173	18096	0.188	ppbv #	39
50) 4-Methyl-2-Pentanone	8.224	43	33374	0.166	ppbv #	40
51) 2-Hexanone	9.603	43	25140	0.169	ppbv #	40
52) Tetrachloroethene	10.642	164	19153	0.296	ppbv	90
53) Toluene	9.243	91	79873	0.374	ppbv	97
54) 1,2-Dibromoethane	10.031	107	18750	0.195	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.539	131	21116	0.258	ppbv #	30
57) Chlorobenzene	11.555	112	31965	0.216	ppbv #	97
58) Ethyl Benzene	12.118	91	113102	0.408	ppbv	98
59) m/p-Xylene	12.397	91	72252	0.310	ppbv #	31
60) o-Xylene	13.089	91	92525	0.424	ppbv	96
61) Styrene	12.921	104	39186	0.340	ppbv	97
62) Isopropylbenzene	14.056	105	137104	0.420	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.073	83	32107	0.216	ppbv #	24
64) n-propylbenzene	14.947	120	29834	0.366	ppbv #	62
65) tert-Butylbenzene	16.114	119	58842	0.201	ppbv #	4
66) Benzyl Chloride	16.130	91	31721	0.958	ppbv #	65
67) sec-Butylbenzene	16.664	105	98554	0.239	ppbv #	66
69) p-Isopropyltoluene	17.027	119	88030	0.260	ppbv #	65
70) n-Butylbenzene	17.918	91	140015	0.395	ppbv	98
71) 2-Chlorotoluene	14.828	91	61809	0.249	ppbv #	44
72) 4-Ethyltoluene	15.220	105	99904	0.404	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.375	105	48923	0.219	ppbv	95
74) 1,2,4-Trimethylbenzene	16.134	105	98588	0.404	ppbv	94
75) 1,3-Dichlorobenzene	16.355	146	55978	0.400	ppbv	89
76) 1,4-Dichlorobenzene	16.503	146	54837	0.407	ppbv	91
77) 1,2-Dichlorobenzene	17.172	146	30901	0.221	ppbv #	20
78) Hexachloro-1,3-Butadiene	22.664	225	4982	0.040	ppbv #	18
79) Naphthalene	21.442	128	16589	0.071	ppbv	98
81) 1,2,4-Trichlorobenzene	21.175	180	28677	0.233	ppbv #	67

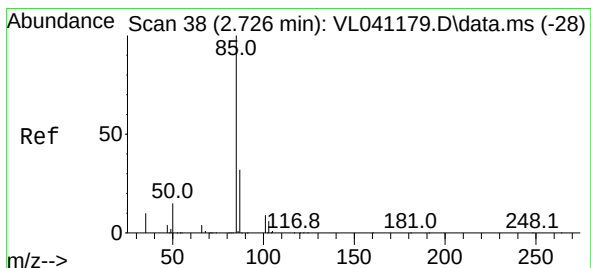
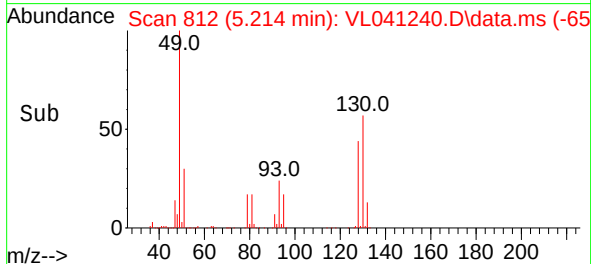
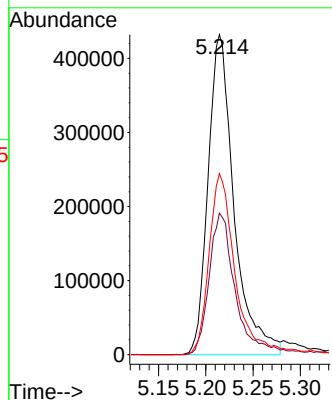
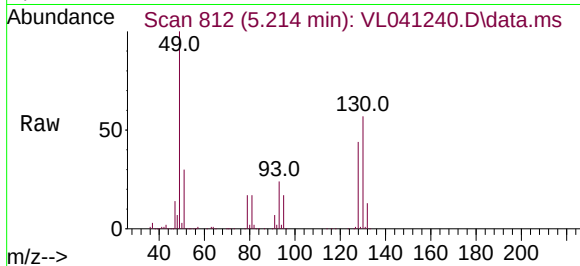
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL041240.D
Acq: 8 May 2024 12:35

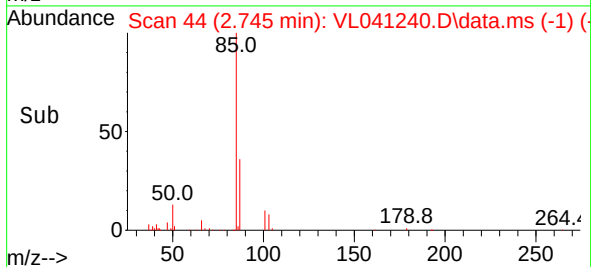
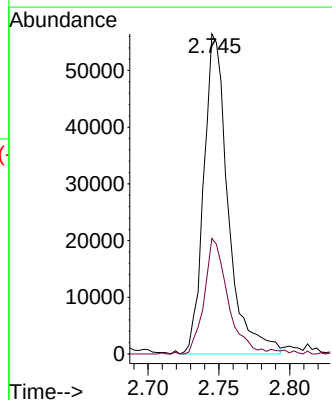
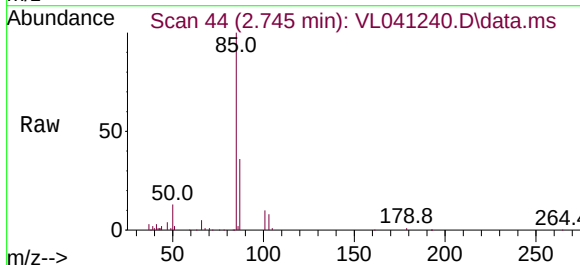
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2024

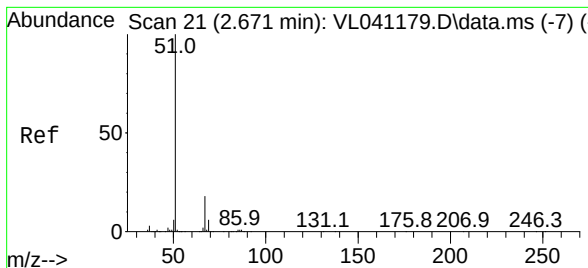
Tgt Ion: 49 Resp: 825699
Ion Ratio Lower Upper
49 100
128 46.4 21.5 64.5
130 58.7 27.2 81.6



#2
Dichlorodifluoromethane
Concen: 0.604 ppbv
RT: 2.745 min Scan# 44
Delta R.T. 0.000 min
Lab File: VL041240.D
Acq: 8 May 2024 12:35

Tgt Ion: 85 Resp: 67513
Ion Ratio Lower Upper
85 100
87 36.1 25.7 38.5





#3

Chlorodifluoromethane

Concen: 0.464 ppbv

RT: 2.694 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Instrument :

MSVOA_1

ClientSampleId :

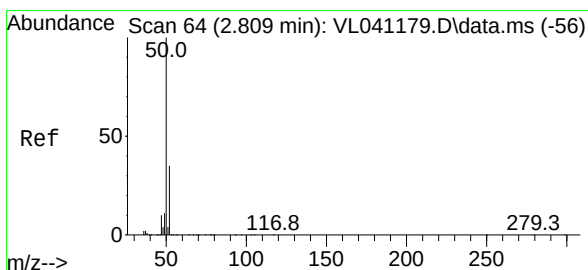
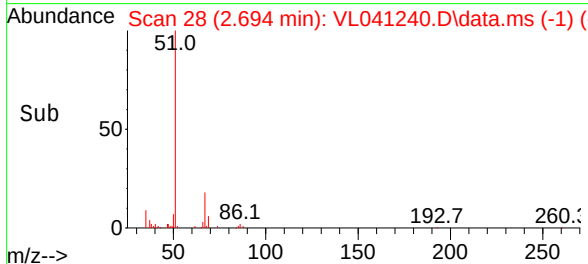
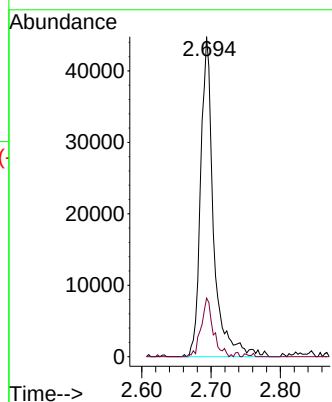
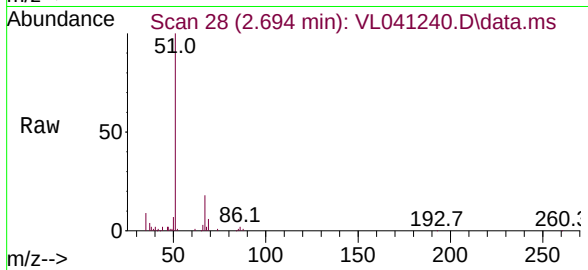
LOD-MDL-AIR-01-QT2-2024

Tgt Ion: 51 Resp: 58206

Ion Ratio Lower Upper

51 100

67 17.1 14.0 21.0



#4

Chloromethane

Concen: 0.457 ppbv

RT: 2.835 min Scan# 72

Delta R.T. 0.003 min

Lab File: VL041240.D

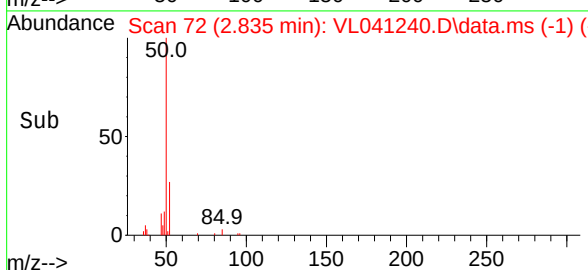
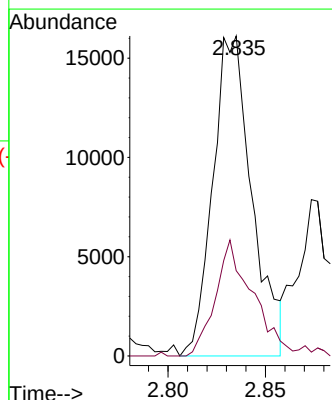
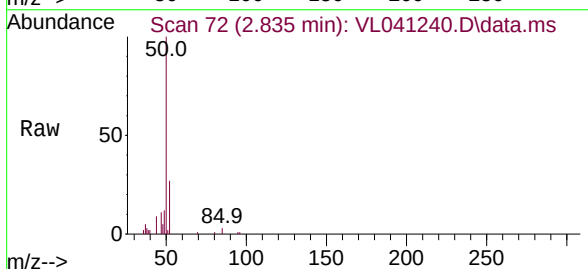
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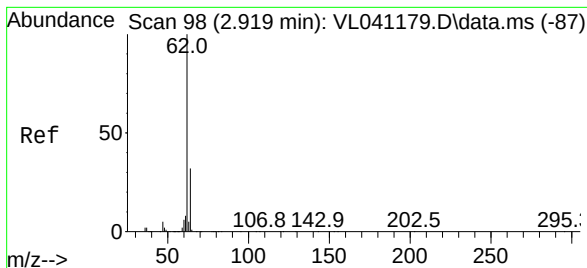
Tgt Ion: 50 Resp: 22511

Ion Ratio Lower Upper

50 100

52 26.7 28.3 42.5#

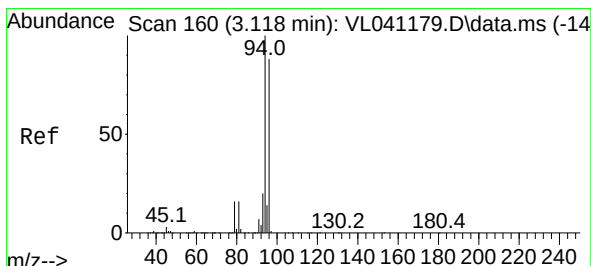
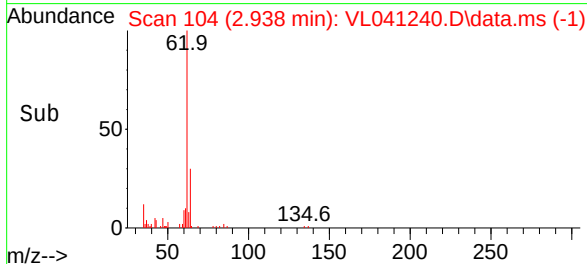
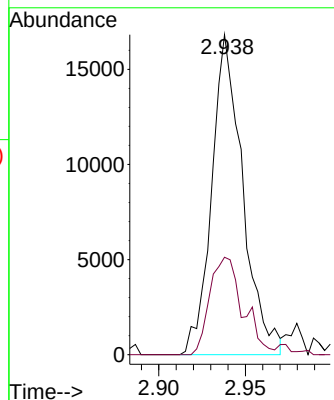
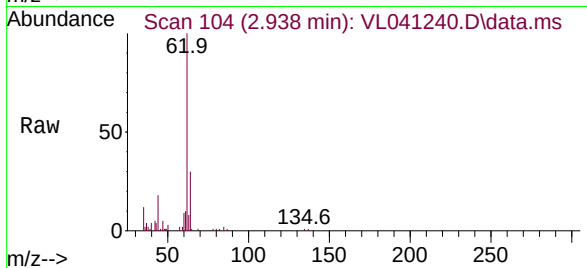




#5
 Vinyl Chloride
 Concen: 0.424 ppbv
 RT: 2.938 min Scan# 104
 Delta R.T. 0.000 min
 Lab File: VL041240.D
 Acq: 8 May 2024 12:35

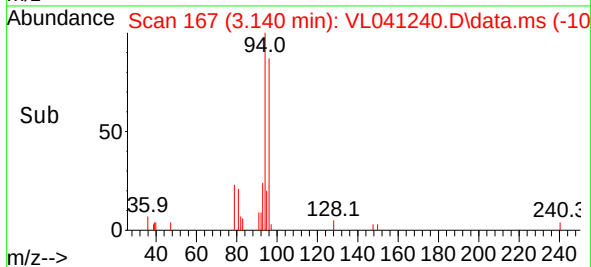
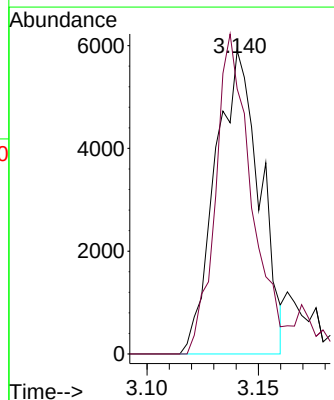
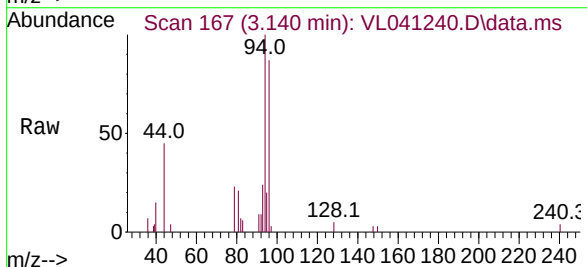
Instrument :
 MSVOA_1
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2024

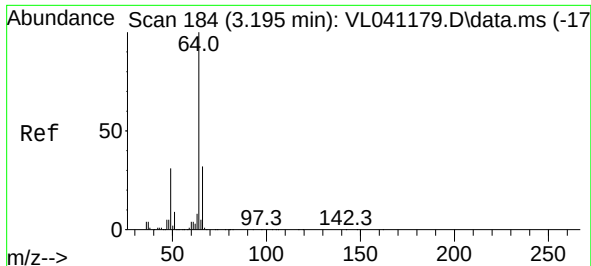
Tgt Ion: 62 Resp: 20936
 Ion Ratio Lower Upper
 62 100
 64 31.8 25.7 38.5



#6
 Bromomethane
 Concen: 0.453 ppbv
 RT: 3.140 min Scan# 167
 Delta R.T. 0.003 min
 Lab File: VL041240.D
 Acq: 8 May 2024 12:35

Tgt Ion: 94 Resp: 8175
 Ion Ratio Lower Upper
 94 100
 96 87.4 70.1 105.1

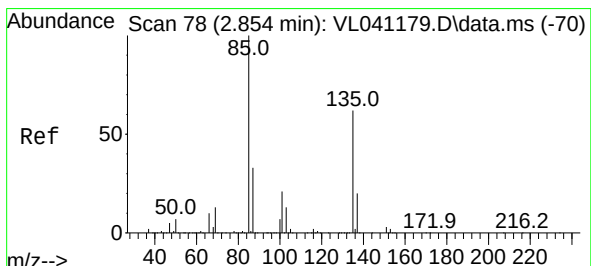
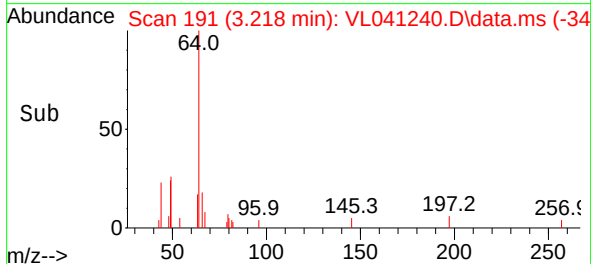
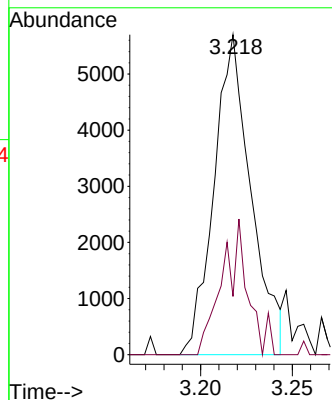
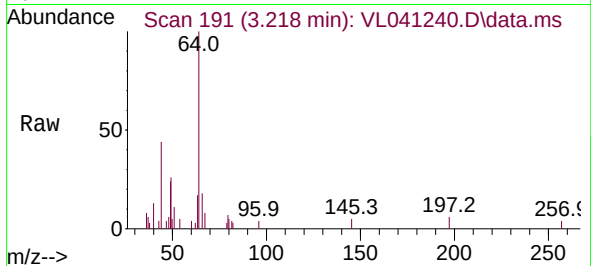




#7
Chloroethane
Concen: 0.459 ppbv
RT: 3.218 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041240.D
Acq: 8 May 2024 12:35

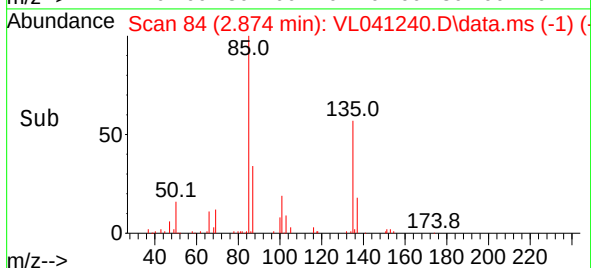
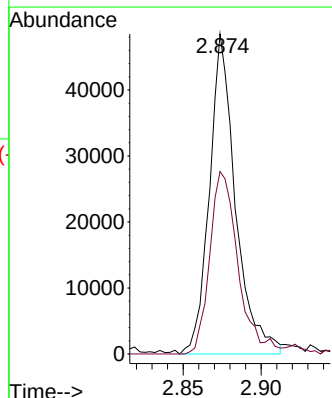
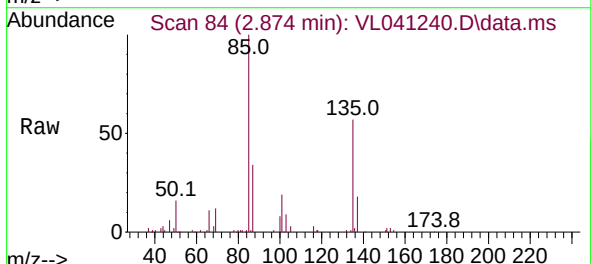
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2024

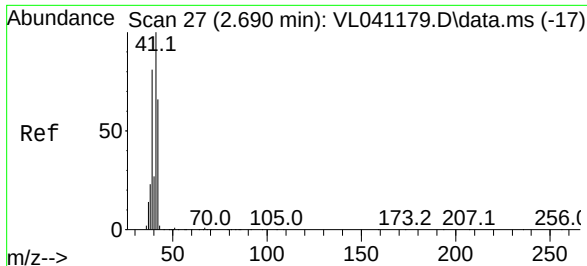
Tgt Ion: 64 Resp: 8011
Ion Ratio Lower Upper
64 100
66 18.2 25.4 38.2#



#8
Dichlorotetrafluoroethane
Concen: 0.488 ppbv
RT: 2.874 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL041240.D
Acq: 8 May 2024 12:35

Tgt Ion: 85 Resp: 56450
Ion Ratio Lower Upper
85 100
135 64.8 51.5 77.3





#9

Propene

Concen: 0.406 ppbv

RT: 2.713 min Scan# 34

Delta R.T. 0.003 min

Lab File: VL041240.D

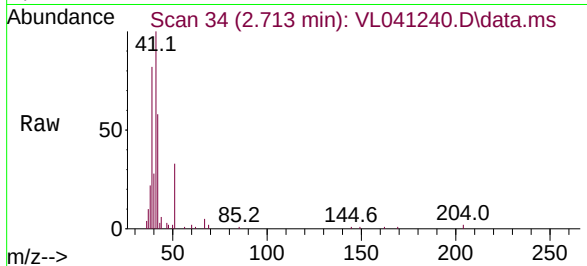
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MSVOA_L

ClientSampleId :

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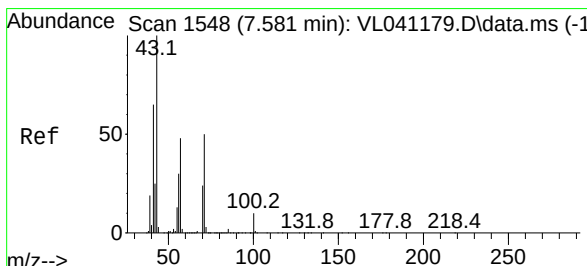
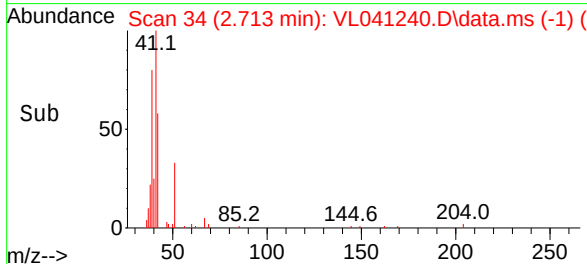
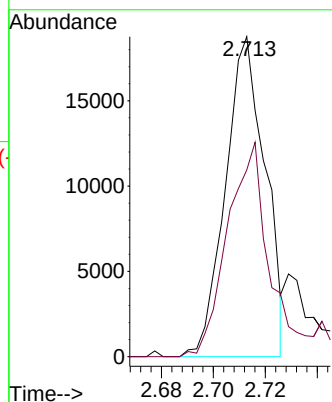


Tgt Ion: 41 Resp: 19923

Ion Ratio Lower Upper

41 100

42 78.5 55.3 82.9



#10

Heptane

Concen: 0.387 ppbv

RT: 7.603 min Scan# 1555

Delta R.T. 0.003 min

Lab File: VL041240.D

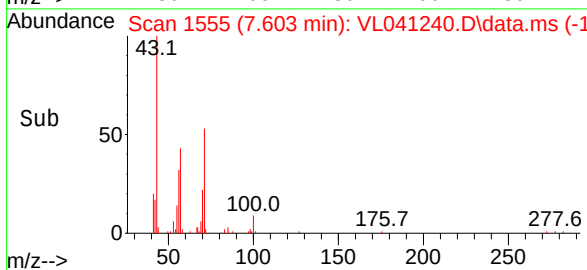
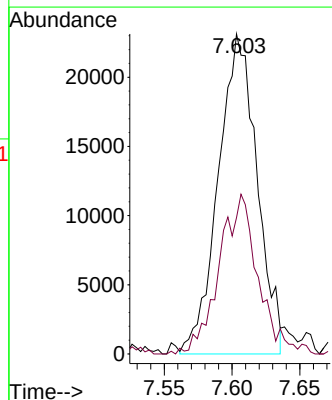
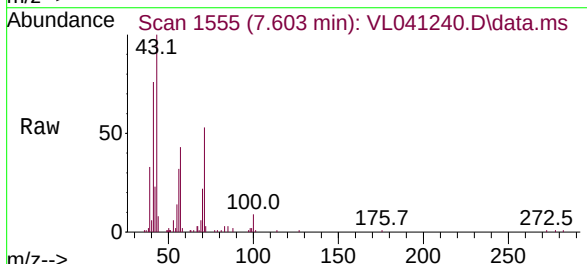
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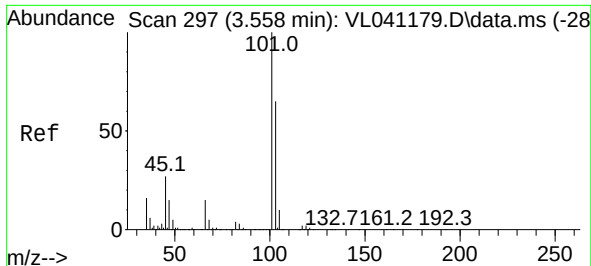
Tgt Ion: 43 Resp: 45961

Ion Ratio Lower Upper

43 100

57 50.3 38.7 58.1

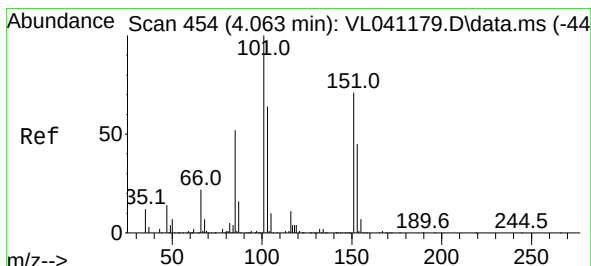
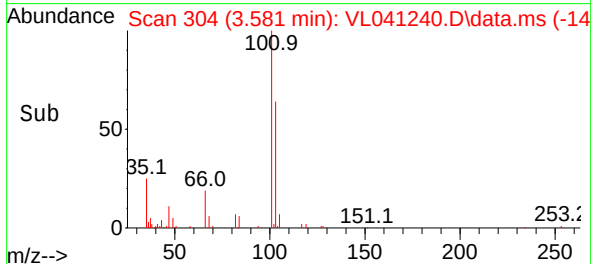
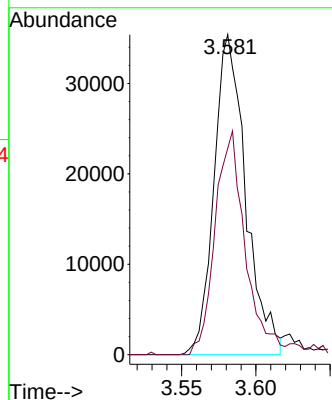
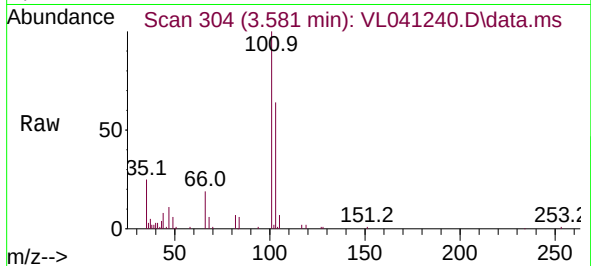




#11
Trichlorofluoromethane
Concen: 0.463 ppbv
RT: 3.581 min Scan# 304
Delta R.T. 0.000 min
Lab File: VL041240.D
Acq: 8 May 2024 12:35

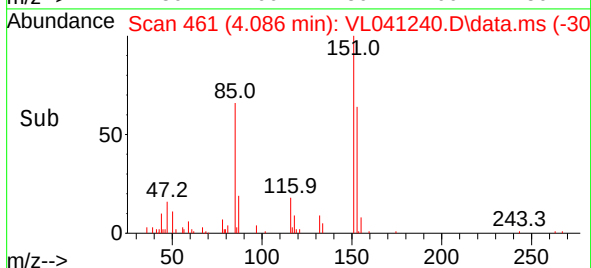
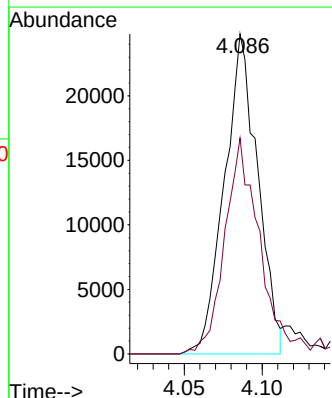
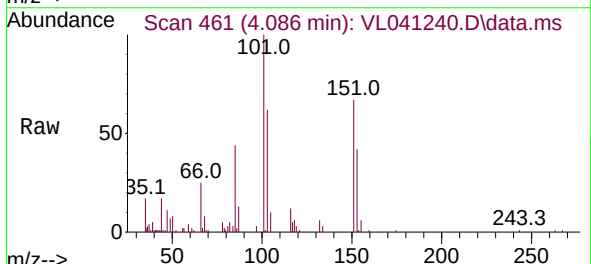
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MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2024

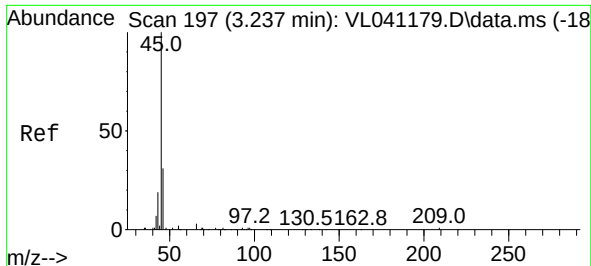
Tgt Ion:101 Resp: 52572
Ion Ratio Lower Upper
101 100
103 64.4 51.6 77.4



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.439 ppbv
RT: 4.086 min Scan# 461
Delta R.T. 0.003 min
Lab File: VL041240.D
Acq: 8 May 2024 12:35

Tgt Ion:101 Resp: 36841
Ion Ratio Lower Upper
101 100
151 72.6 56.8 85.2





#13

Ethanol

Concen: 0.148 ppbv

RT: 3.272 min Scan# 20

Delta R.T. 0.016 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Instrument :

MSVOA_L

ClientSampleId :

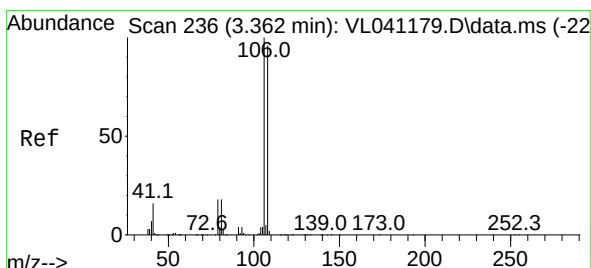
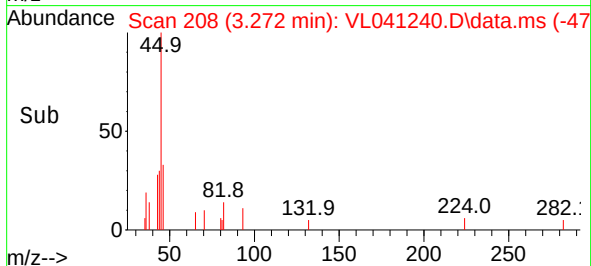
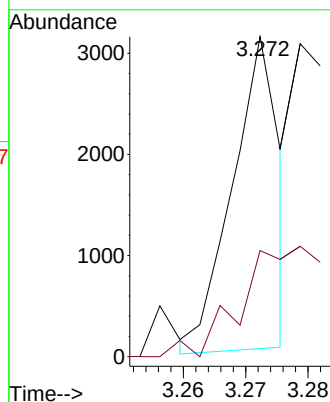
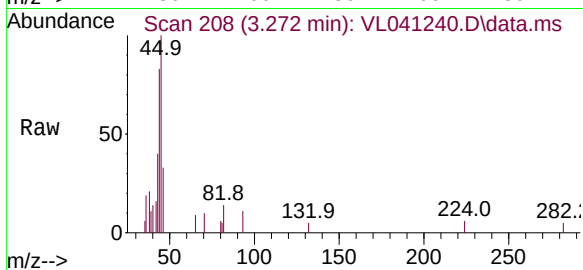
LOD-MDL-AIR-01-QT2-2024

Tgt Ion: 45 Resp: 1623

Ion Ratio Lower Upper

45 100

46 7.2 14.8 59.0#



#14

Bromoethene

Concen: 0.397 ppbv

RT: 3.388 min Scan# 244

Delta R.T. 0.003 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

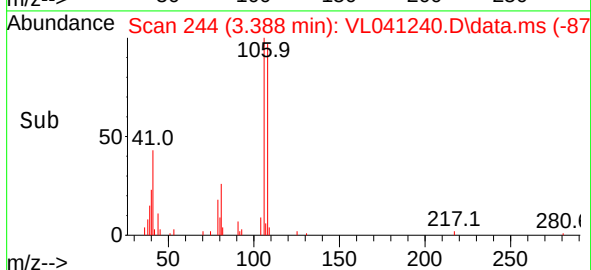
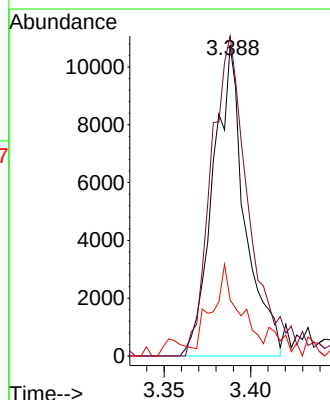
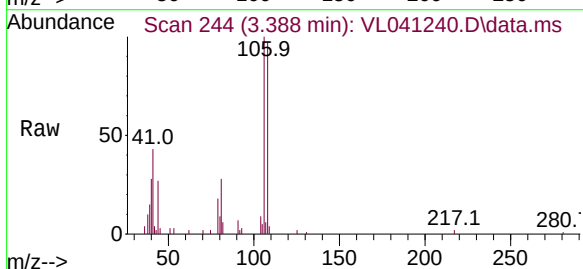
Tgt Ion: 108 Resp: 13758

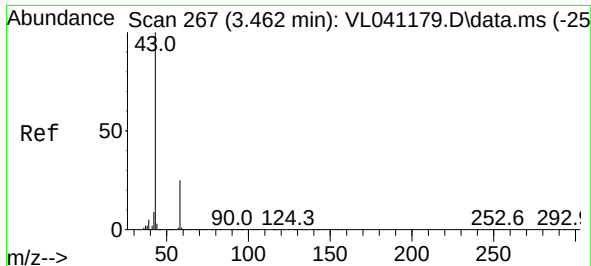
Ion Ratio Lower Upper

108 100

106 125.4 88.2 132.4

79 37.7 17.4 26.0#

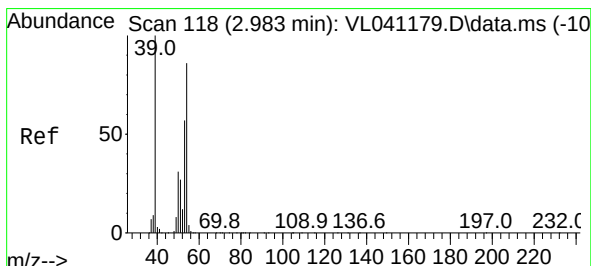
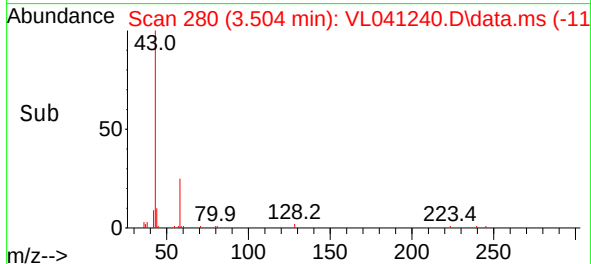
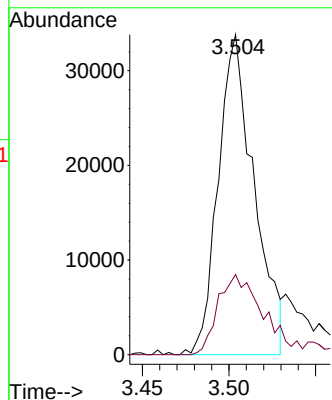
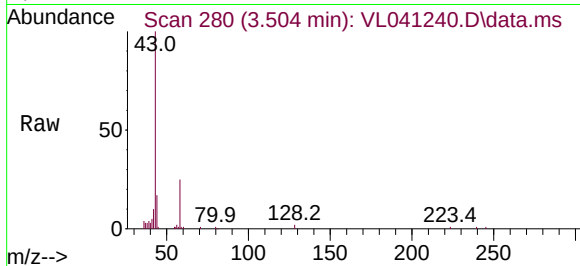




#15
Acetone
Concen: 0.501 ppbv
RT: 3.504 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL041240.D
Acq: 8 May 2024 12:35

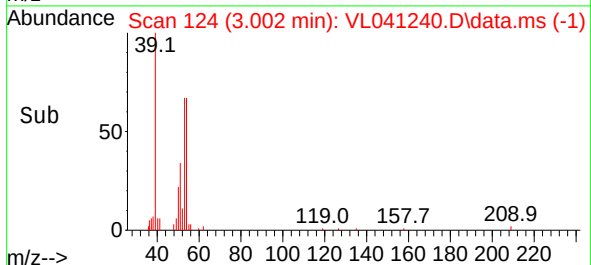
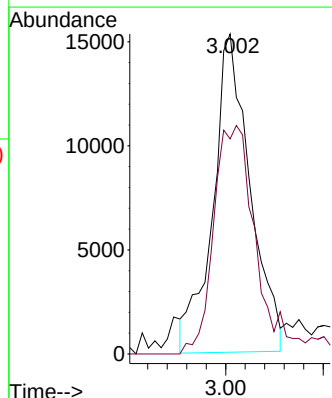
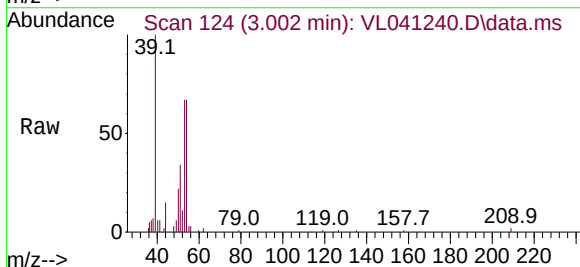
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2024

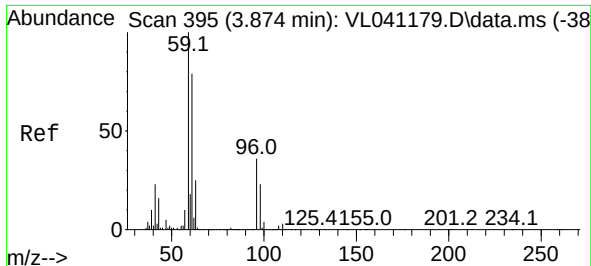
Tgt Ion: 43 Resp: 48824
Ion Ratio Lower Upper
43 100
58 34.3 21.4 32.0#



#16
1,3-Butadiene
Concen: 0.412 ppbv
RT: 3.002 min Scan# 124
Delta R.T. 0.000 min
Lab File: VL041240.D
Acq: 8 May 2024 12:35

Tgt Ion: 39 Resp: 20249
Ion Ratio Lower Upper
39 100
54 85.6 62.2 93.4





#17

tert-Butyl alcohol

Concen: 0.322 ppbv

RT: 3.919 min Scan# 409

Delta R.T. 0.023 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Instrument :

MSVOA_1

ClientSampleId :

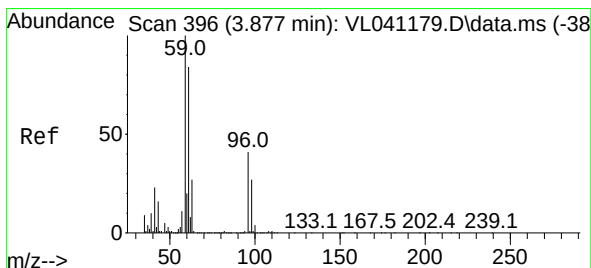
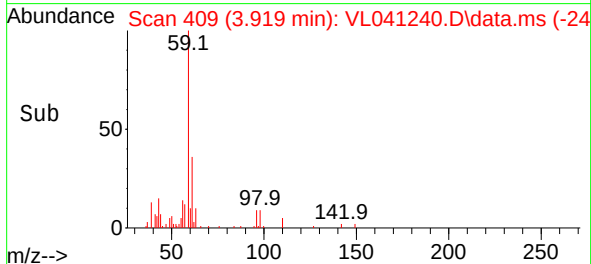
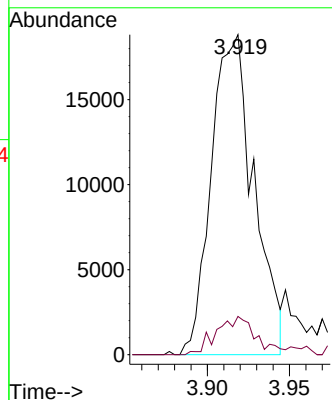
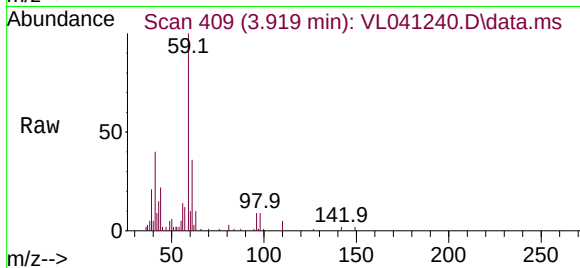
LOD-MDL-AIR-01-QT2-2024

Tgt Ion: 59 Resp: 33865

Ion Ratio Lower Upper

59 100

57 12.5 8.4 12.6



#18

1,1-Dichloroethene

Concen: 0.404 ppbv

RT: 3.899 min Scan# 403

Delta R.T. 0.003 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

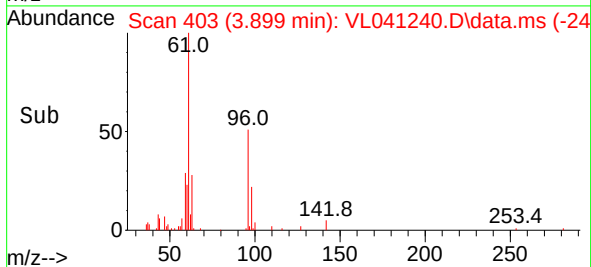
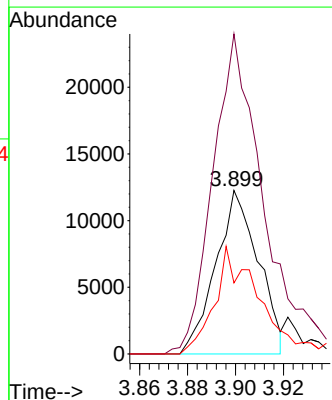
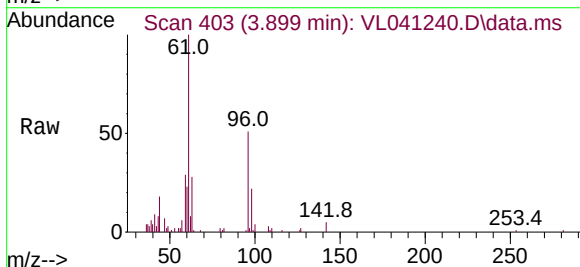
Tgt Ion: 96 Resp: 15129

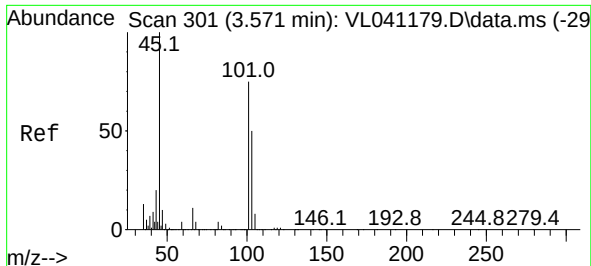
Ion Ratio Lower Upper

96 100

61 191.8 164.4 246.6

98 43.5 51.8 77.8#





#19

Isopropyl Alcohol

Concen: 0.137 ppbv

RT: 3.607 min Scan# 312

Delta R.T. 0.016 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Instrument :

MSVOA_L

ClientSampleId :

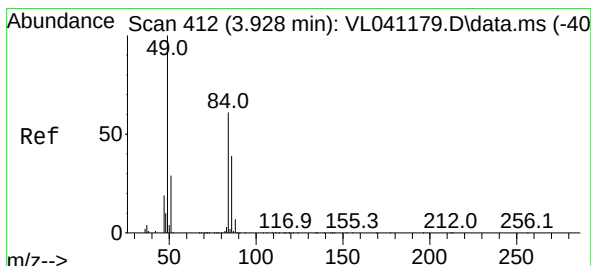
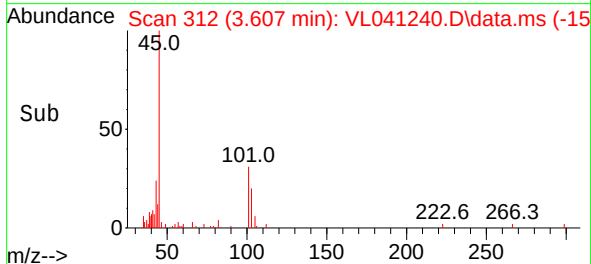
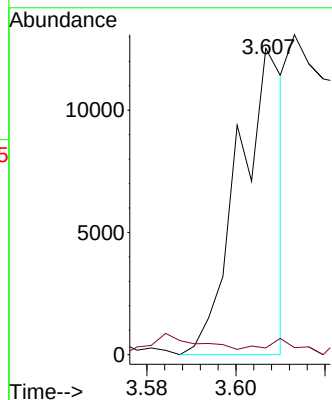
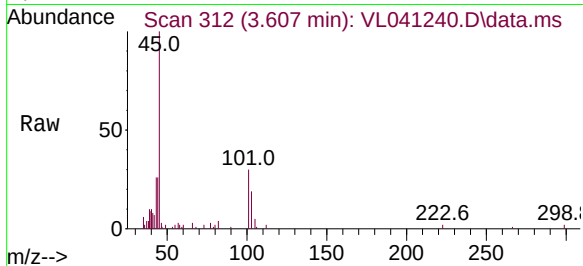
LOD-MDL-AIR-01-QT2-2024

Tgt Ion: 45 Resp: 8778

Ion Ratio Lower Upper

45 100

58 11.5 26.8 40.2#



#20

Methylene Chloride

Concen: 0.528 ppbv

RT: 3.957 min Scan# 421

Delta R.T. 0.006 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Tgt Ion: 84 Resp: 17887

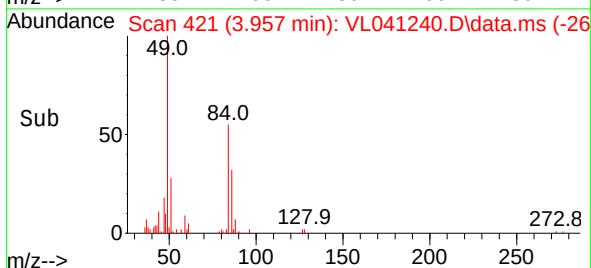
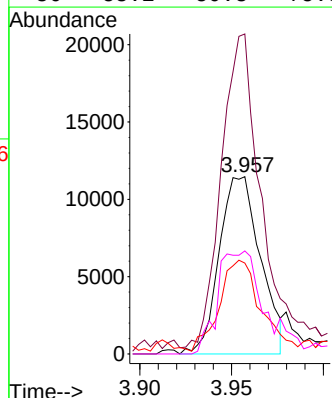
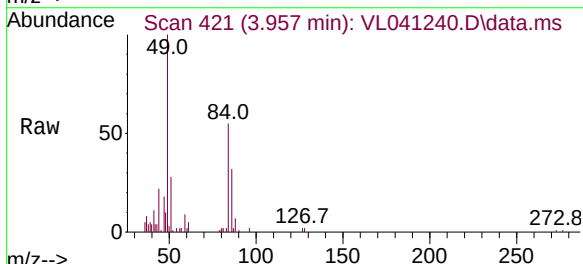
Ion Ratio Lower Upper

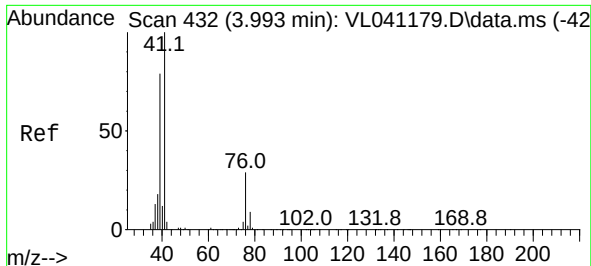
84 100

49 177.0 130.4 195.6

51 47.7 38.0 57.0

86 58.2 50.3 75.5

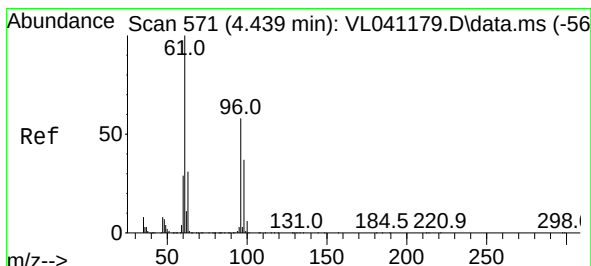
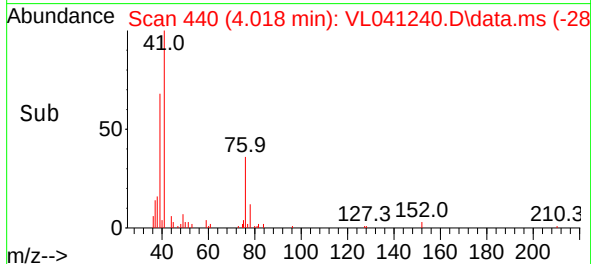
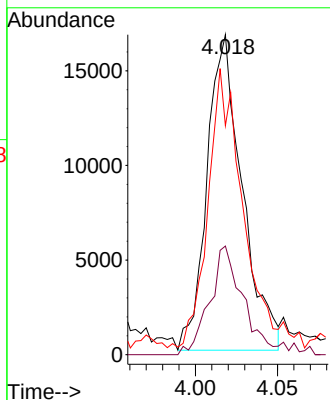
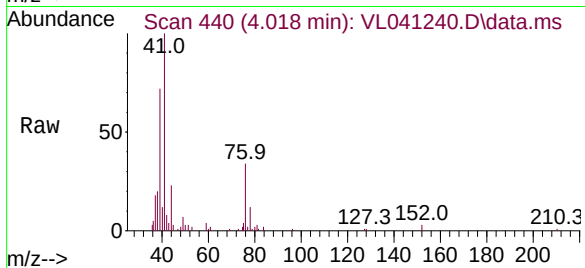




#21
 Allyl Chloride
 Concen: 0.392 ppbv
 RT: 4.018 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041240.D
 Acq: 8 May 2024 12:35

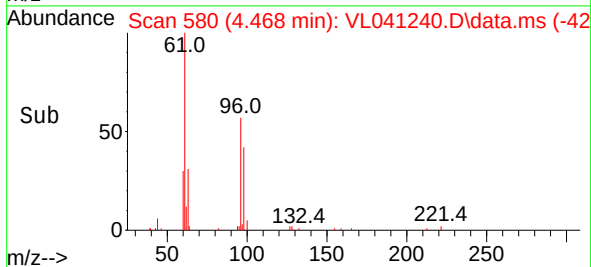
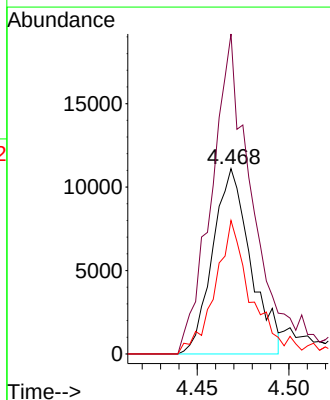
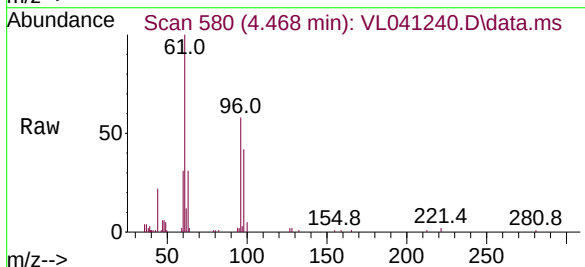
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2024

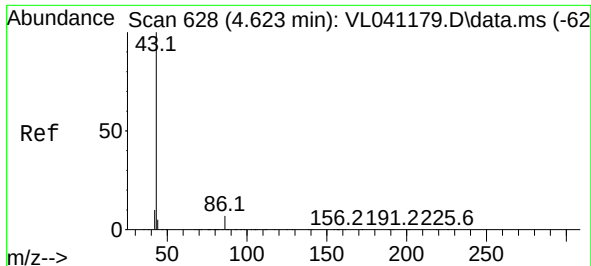
Tgt Ion: 41 Resp: 24894
 Ion Ratio Lower Upper
 41 100
 76 34.2 23.7 35.5
 39 92.2 64.7 97.1



#22
 trans-1,2-Dichloroethene
 Concen: 0.409 ppbv
 RT: 4.468 min Scan# 580
 Delta R.T. 0.006 min
 Lab File: VL041240.D
 Acq: 8 May 2024 12:35

Tgt Ion: 96 Resp: 15925
 Ion Ratio Lower Upper
 96 100
 61 172.7 137.6 206.4
 98 72.0 50.6 76.0

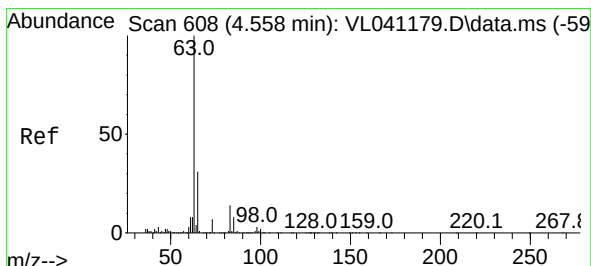
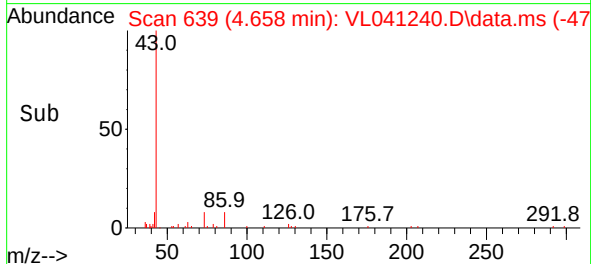
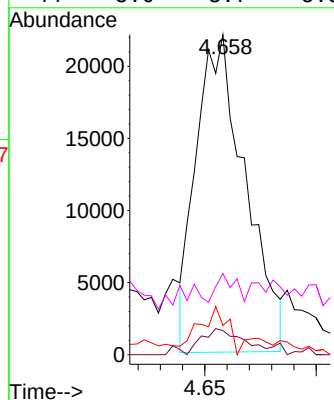
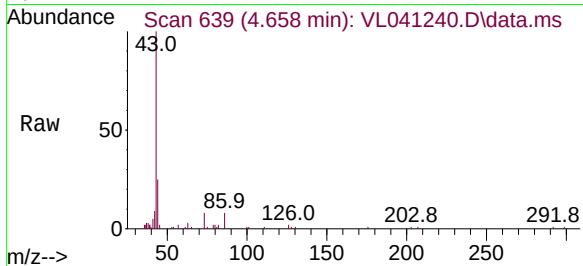




#23
Vinyl Acetate
Concen: 0.314 ppbv
RT: 4.658 min Scan# 617
Delta R.T. 0.013 min
Lab File: VL041240.D
Acq: 8 May 2024 12:35

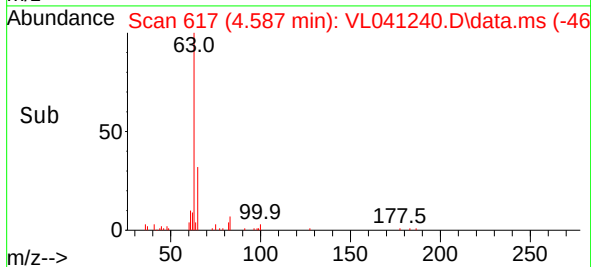
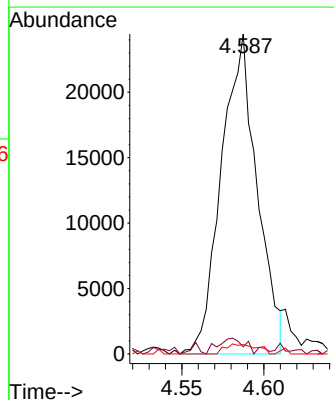
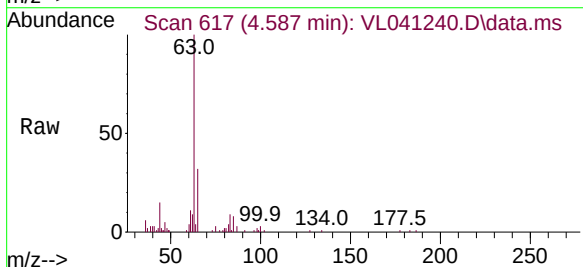
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT2-2024

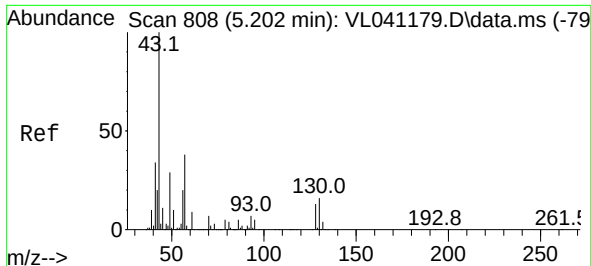
Tgt Ion: 43 Resp: 33727
Ion Ratio Lower Upper
43 100
86 7.2 4.9 7.3
42 7.9 8.0 12.0#
44 5.0 3.7 5.5



#24
1,1-Dichloroethane
Concen: 0.443 ppbv
RT: 4.587 min Scan# 617
Delta R.T. 0.003 min
Lab File: VL041240.D
Acq: 8 May 2024 12:35

Tgt Ion: 63 Resp: 36987
Ion Ratio Lower Upper
63 100
98 2.2 1.6 4.8
100 2.9 1.1 3.5





#25

Ethyl Acetate

Concen: 0.362 ppbv

RT: 5.234 min Scan# 818

Delta R.T. 0.013 min

Lab File: VL041240.D

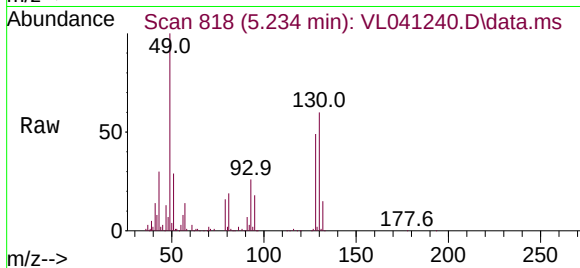
Acq: 8 May 2024 12:35

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2024



Tgt Ion: 43 Resp: 70504

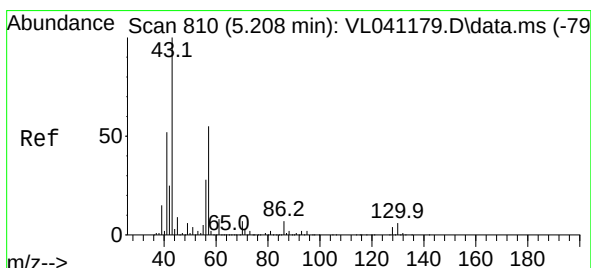
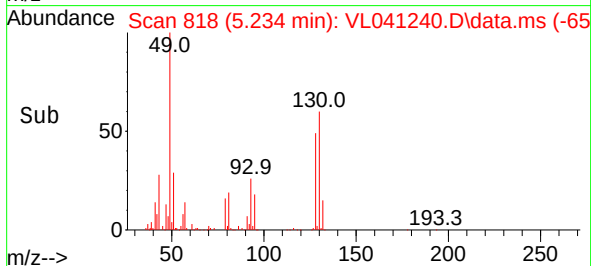
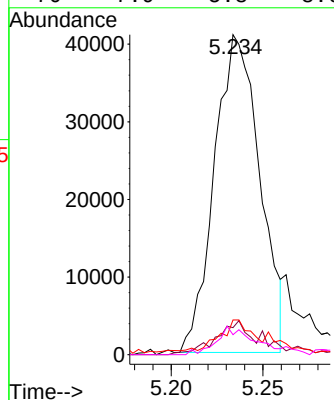
Ion Ratio Lower Upper

43 100

45 11.7 8.2 12.2

61 12.3 7.7 11.5#

70 7.9 5.8 8.6



#26

Hexane

Concen: 0.388 ppbv

RT: 5.237 min Scan# 819

Delta R.T. 0.006 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Tgt Ion: 57 Resp: 33679

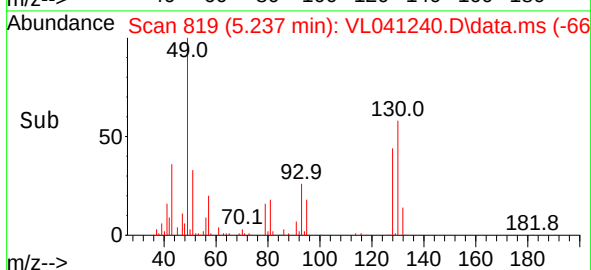
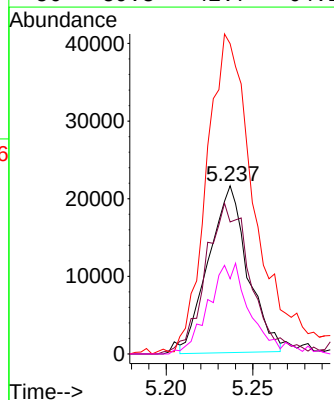
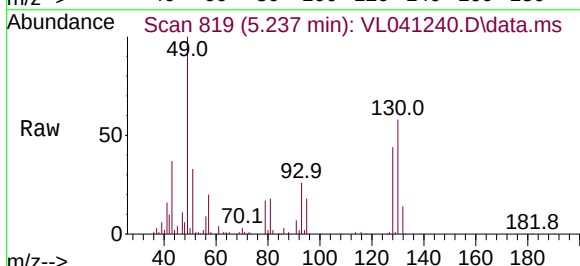
Ion Ratio Lower Upper

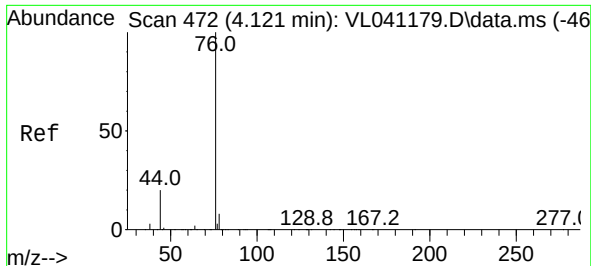
57 100

41 104.1 75.8 113.8

43 248.4 187.0 280.4

56 59.8 42.7 64.1

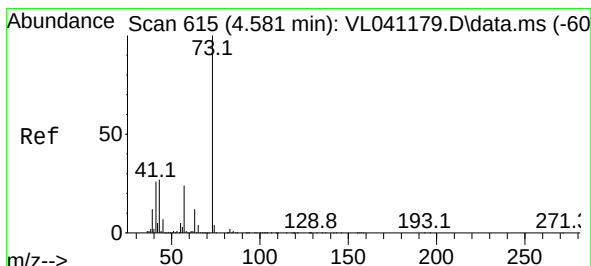
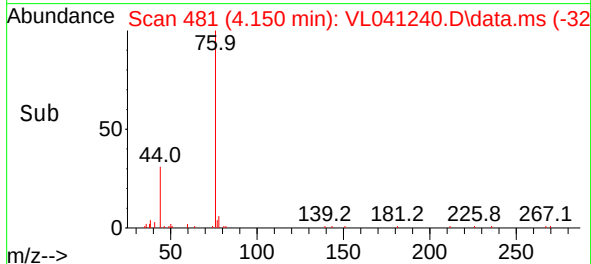
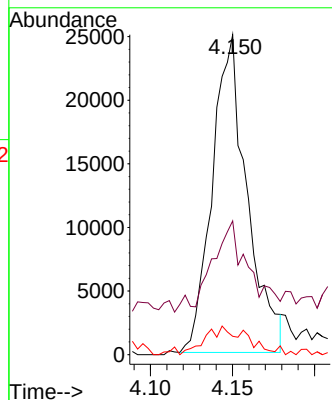
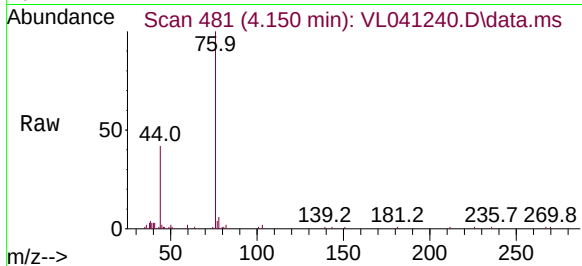




#27
Carbon Disulfide
Concen: 0.359 ppbv
RT: 4.150 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL041240.D
Acq: 8 May 2024 12:35

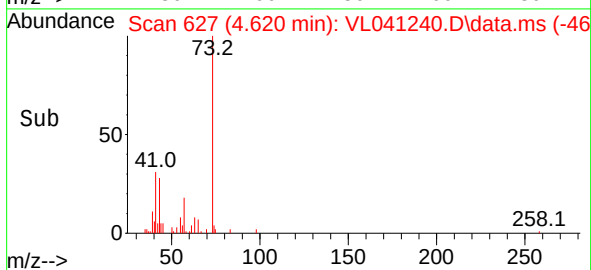
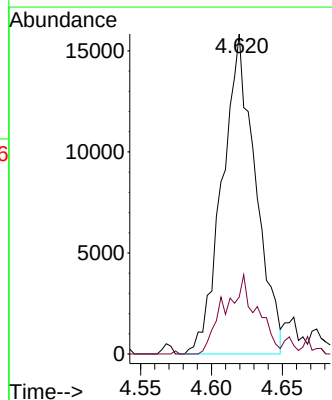
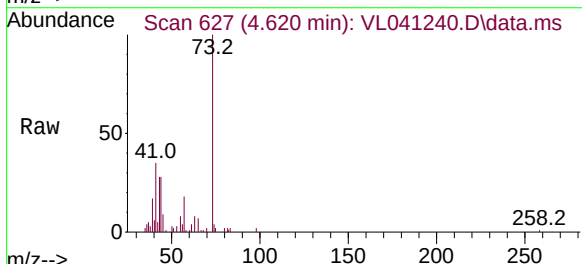
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT2-2024

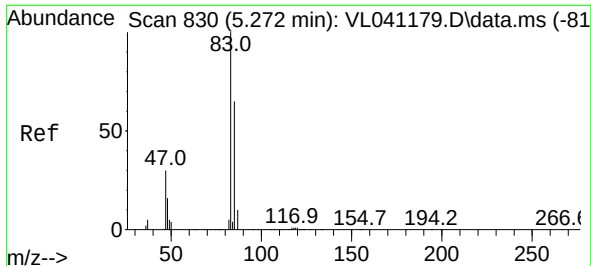
Tgt Ion: 76 Resp: 36841
Ion Ratio Lower Upper
76 100
44 40.3 16.3 24.5#
78 11.4 7.3 10.9#



#28
Methyl tert-Butyl Ether
Concen: 0.374 ppbv
RT: 4.620 min Scan# 627
Delta R.T. 0.016 min
Lab File: VL041240.D
Acq: 8 May 2024 12:35

Tgt Ion: 73 Resp: 25874
Ion Ratio Lower Upper
73 100
57 27.2 18.8 28.2





#29

Chloroform

Concen: 0.478 ppbv

RT: 5.295 min Scan# 83

Delta R.T. 0.000 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Instrument :

MSVOA_L

ClientSampleId :

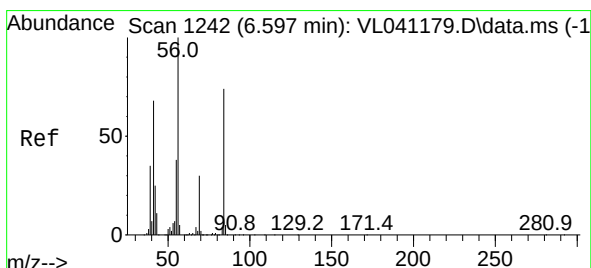
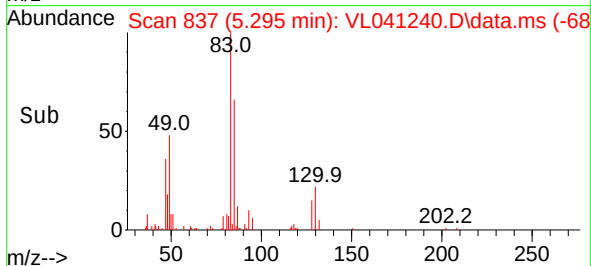
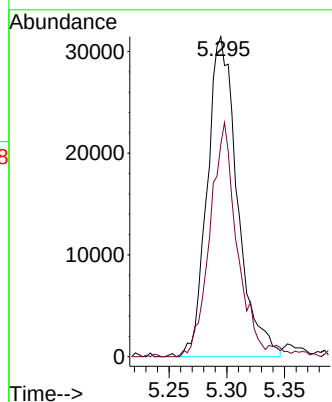
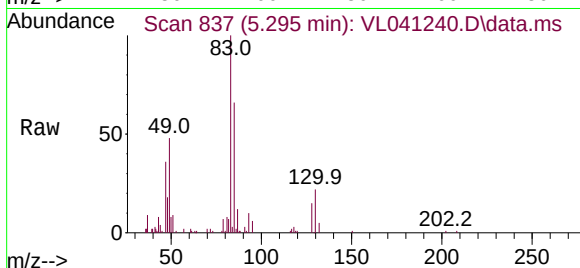
LOD-MDL-AIR-01-QT2-2024

Tgt Ion: 83 Resp: 57197

Ion Ratio Lower Upper

83 100

85 65.8 51.7 77.5



#30

Cyclohexane

Concen: 0.200 ppbv

RT: 6.629 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

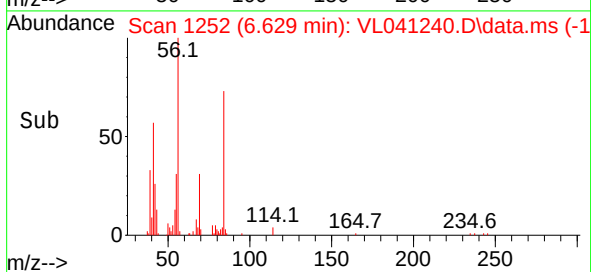
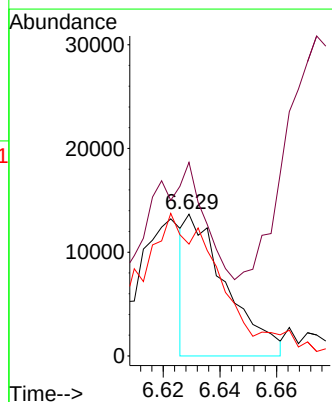
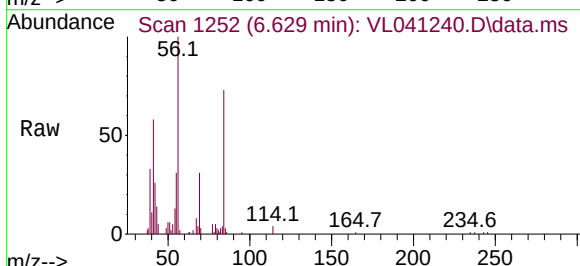
Tgt Ion: 84 Resp: 13761

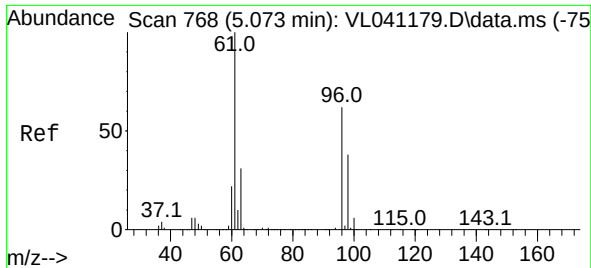
Ion Ratio Lower Upper

84 100

56 259.4 116.8 175.2#

41 0.0 73.8 110.8#

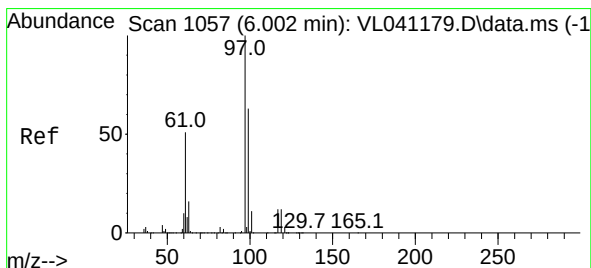
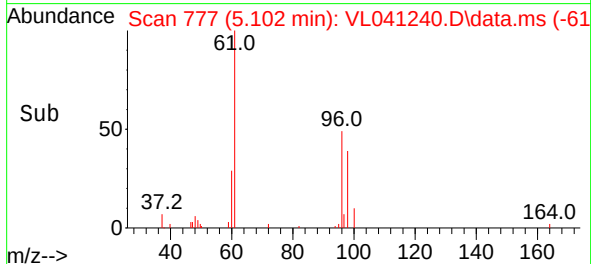
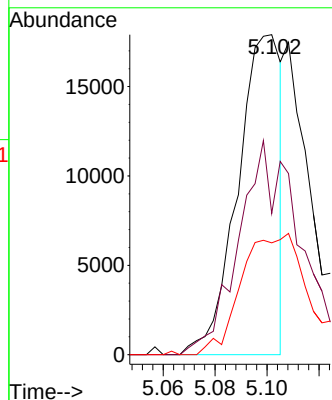
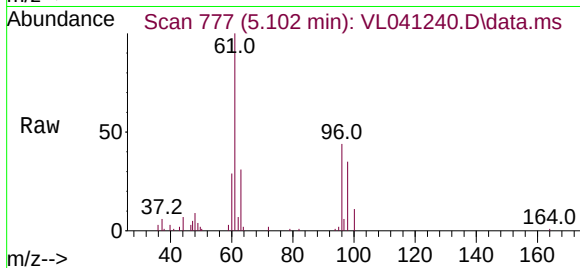




#31
 cis-1,2-Dichloroethene
 Concen: 0.255 ppbv
 RT: 5.102 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VL041240.D
 Acq: 8 May 2024 12:35

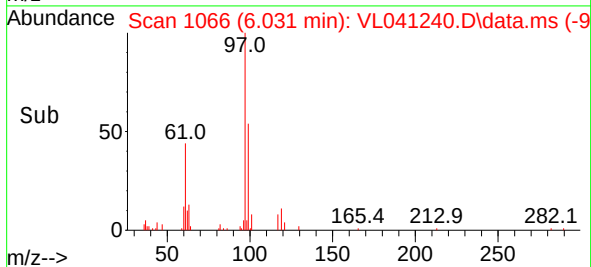
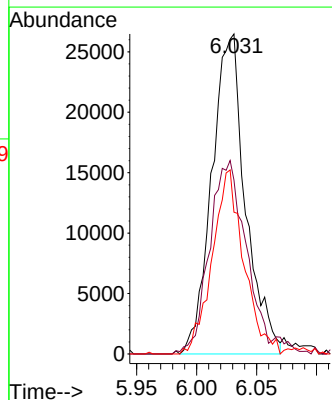
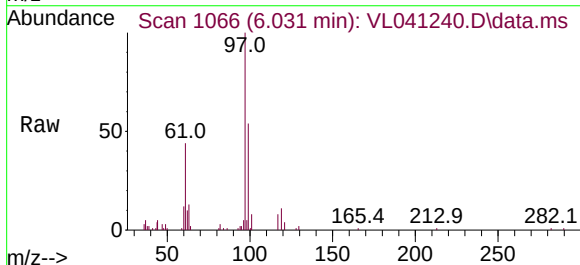
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2024

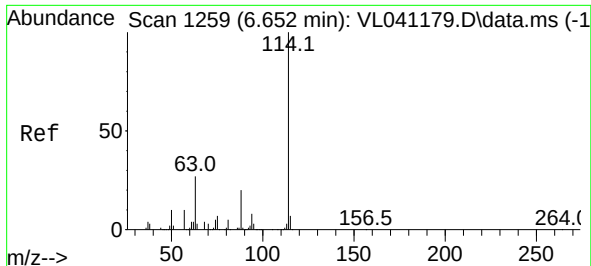
Tgt Ion: 61 Resp: 20755
 Ion Ratio Lower Upper
 61 100
 96 50.4 49.8 74.6
 98 35.0 30.0 45.0



#32
 1,1,1-Trichloroethane
 Concen: 0.433 ppbv
 RT: 6.031 min Scan# 1066
 Delta R.T. 0.010 min
 Lab File: VL041240.D
 Acq: 8 May 2024 12:35

Tgt Ion: 97 Resp: 51684
 Ion Ratio Lower Upper
 97 100
 99 67.9 51.7 77.5
 61 55.4 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.674 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2024

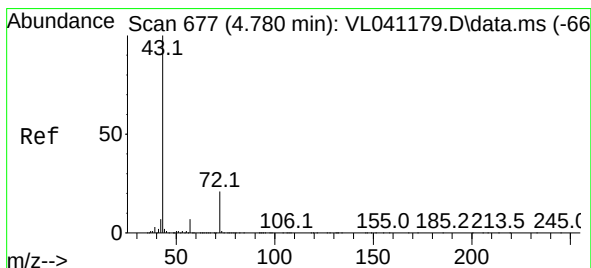
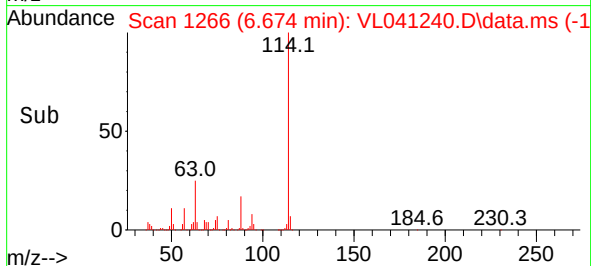
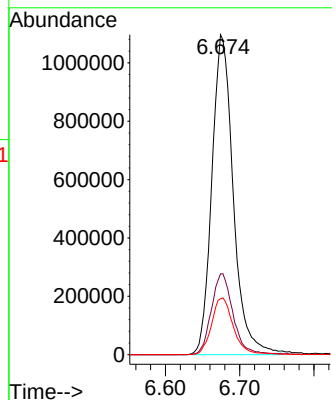
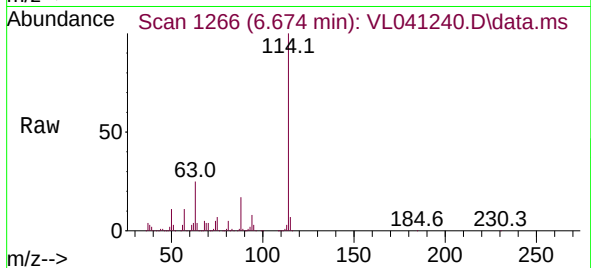
Tgt Ion:114 Resp: 2196314

Ion Ratio Lower Upper

114 100

63 26.0 21.8 32.6

88 18.1 15.2 22.8



#34

2-Butanone

Concen: 0.420 ppbv

RT: 4.822 min Scan# 690

Delta R.T. 0.019 min

Lab File: VL041240.D

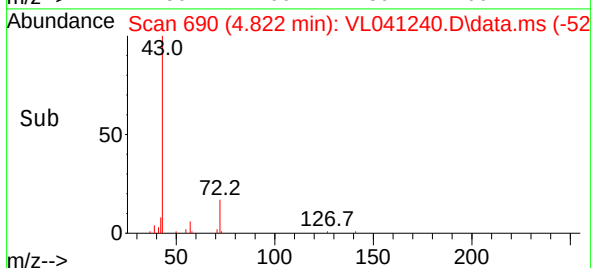
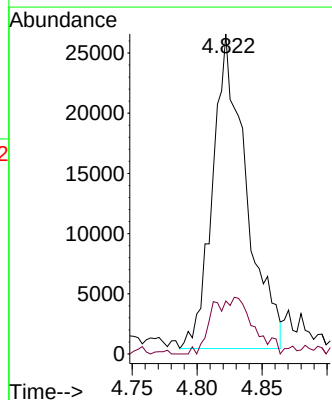
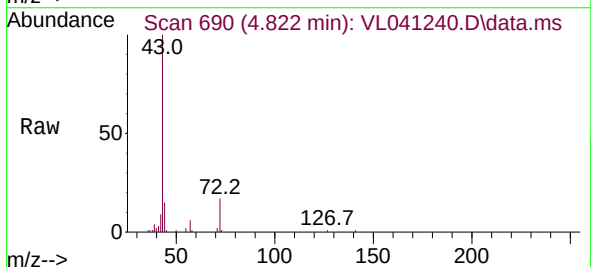
Acq: 8 May 2024 12:35

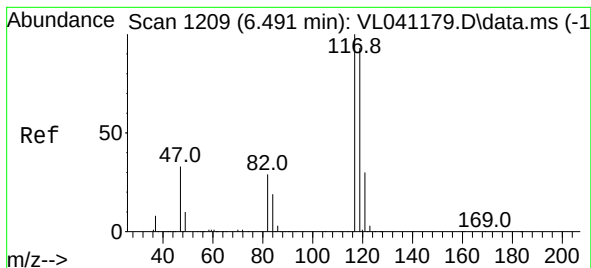
Tgt Ion: 43 Resp: 46917

Ion Ratio Lower Upper

43 100

72 24.1 17.3 25.9





#35

Carbon Tetrachloride

Concen: 0.202 ppbv

RT: 6.510 min Scan# 117

Delta R.T. -0.003 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2024

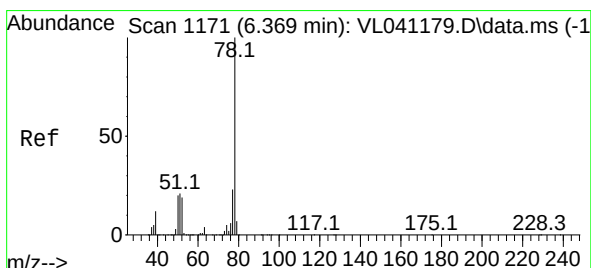
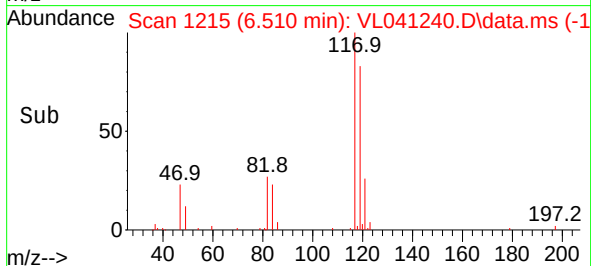
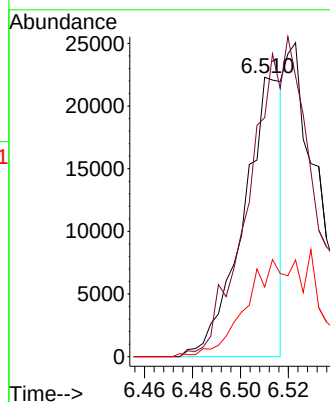
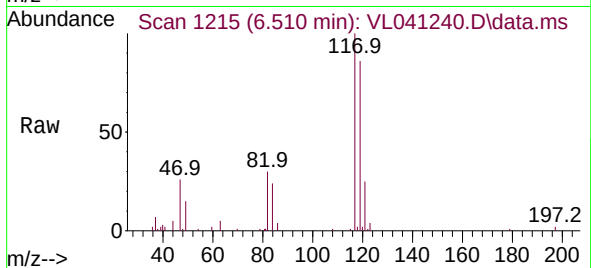
Tgt Ion:117 Resp: 24842

Ion Ratio Lower Upper

117 100

119 85.6 74.3 111.5

121 23.9 23.8 35.8



#36

Benzene

Concen: 0.393 ppbv

RT: 6.388 min Scan# 1177

Delta R.T. -0.003 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

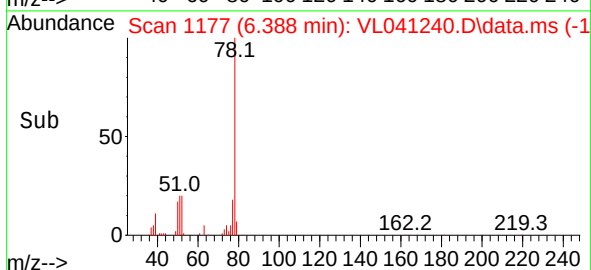
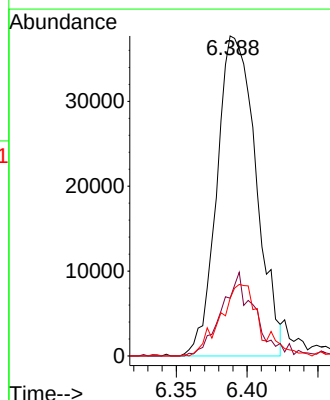
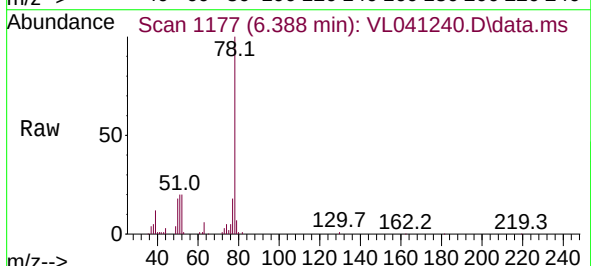
Tgt Ion: 78 Resp: 72371

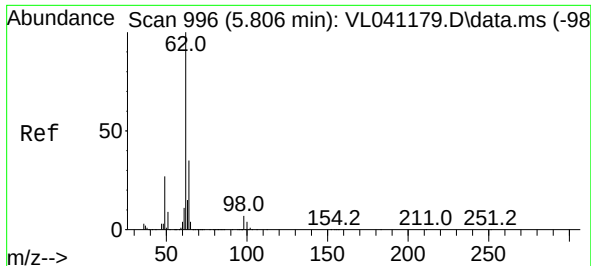
Ion Ratio Lower Upper

78 100

77 18.1 18.3 27.5#

50 18.0 15.9 23.9





#37

1,2-Dichloroethane

Concen: 0.249 ppbv

RT: 5.828 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL041240.D

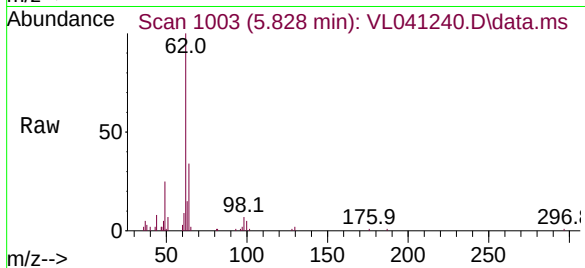
Acq: 8 May 2024 12:35

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2024

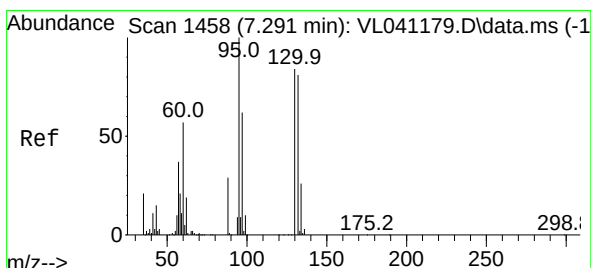
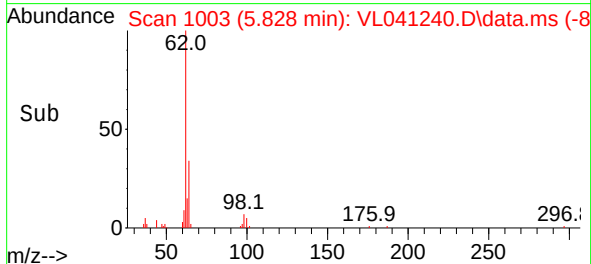
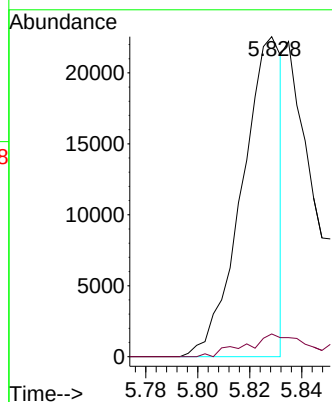


Tgt Ion: 62 Resp: 23930

Ion Ratio Lower Upper

62 100

98 12.3 5.0 7.4#



#38

Trichloroethene

Concen: 0.411 ppbv

RT: 7.314 min Scan# 1465

Delta R.T. 0.003 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Tgt Ion:130 Resp: 28222

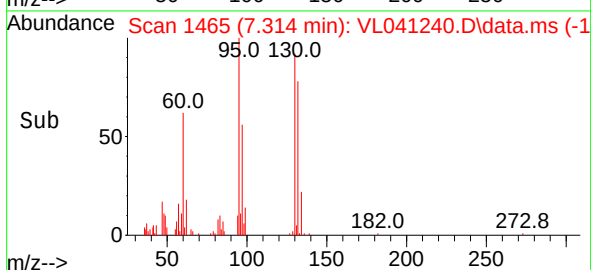
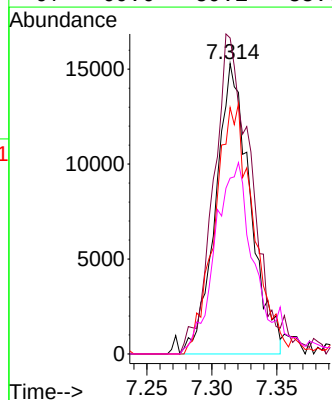
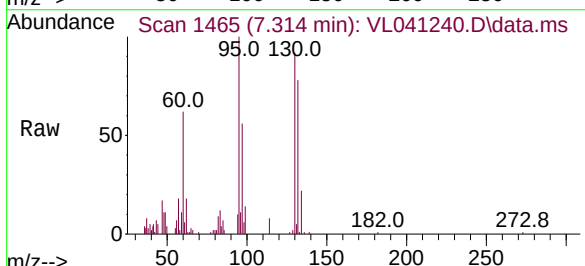
Ion Ratio Lower Upper

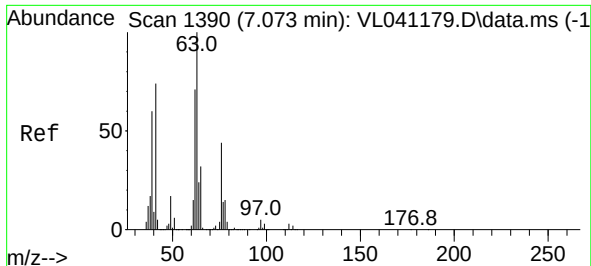
130 100

95 108.8 95.0 142.6

132 84.9 77.0 115.4

97 60.6 59.1 88.7





#39

1,2-Dichloropropane

Concen: 0.412 ppbv

RT: 7.099 min Scan# 1390

Delta R.T. 0.006 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2024

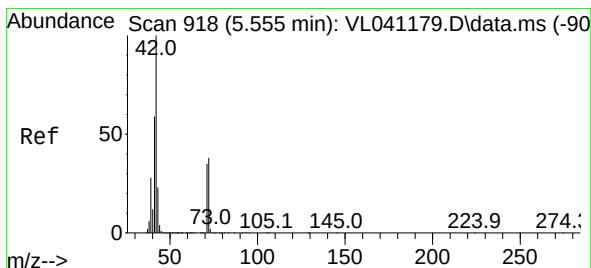
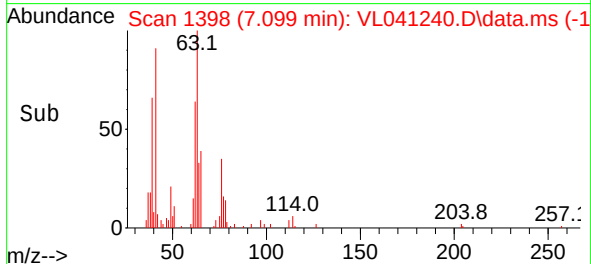
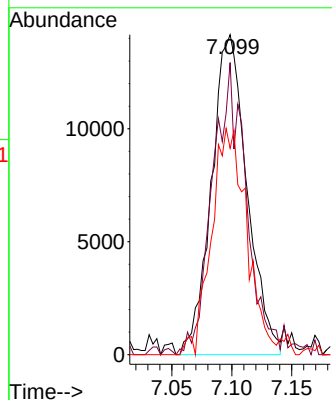
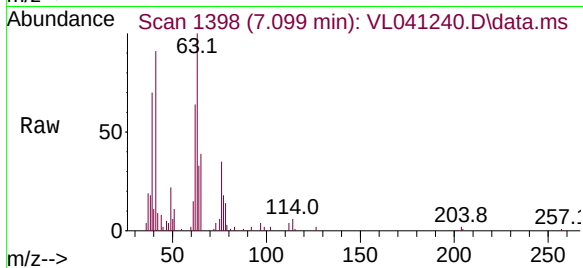
Tgt Ion: 63 Resp: 29267

Ion Ratio Lower Upper

63 100

41 89.6 59.4 89.0#

62 64.5 56.8 85.2



#41

Tetrahydrofuran

Concen: 0.355 ppbv

RT: 5.603 min Scan# 933

Delta R.T. 0.026 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

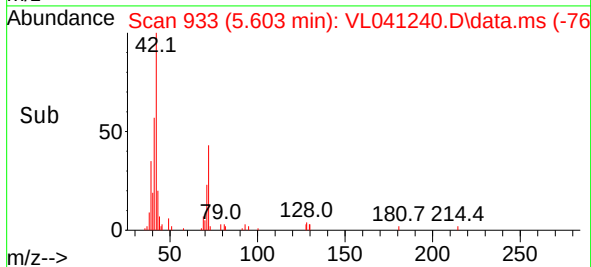
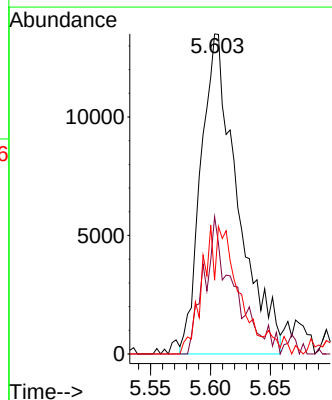
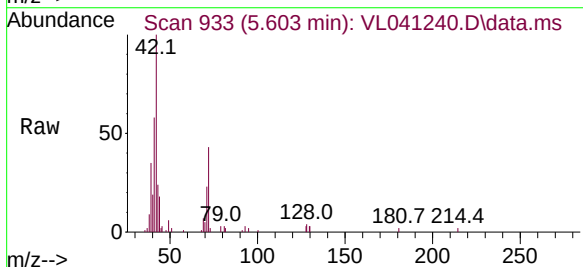
Tgt Ion: 42 Resp: 28694

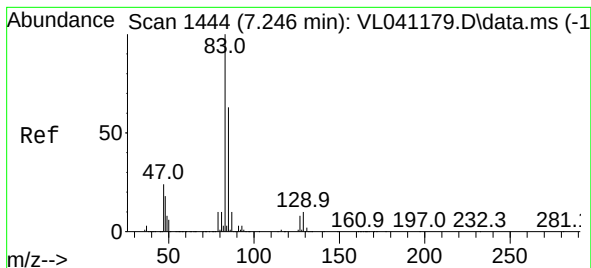
Ion Ratio Lower Upper

42 100

72 37.1 29.4 44.0

71 40.5 29.1 43.7





#42

Bromodichloromethane

Concen: 0.410 ppbv

RT: 7.275 min Scan# 1444

Delta R.T. 0.006 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT2-2024

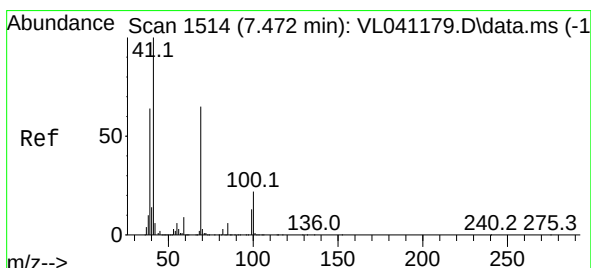
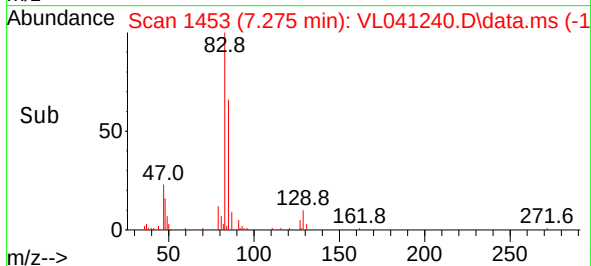
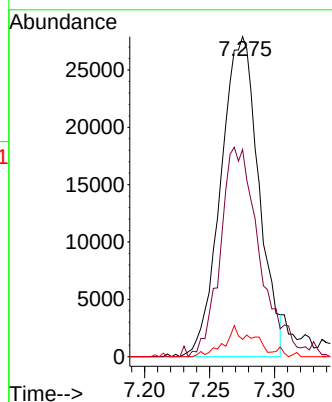
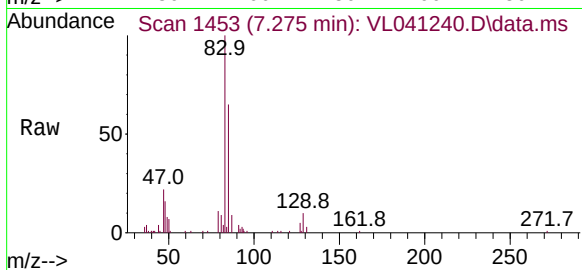
Tgt Ion: 83 Resp: 56609

Ion Ratio Lower Upper

83 100

85 64.8 50.6 75.8

127 6.2 6.2 9.4#



#43

Methyl Methacrylate

Concen: 0.243 ppbv

RT: 7.507 min Scan# 1525

Delta R.T. 0.013 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

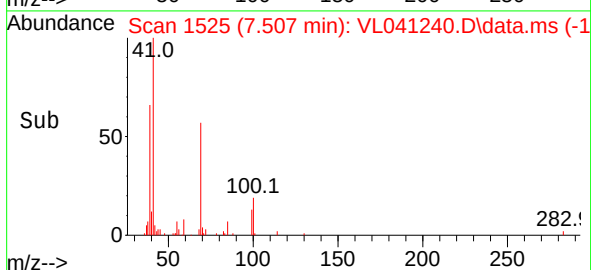
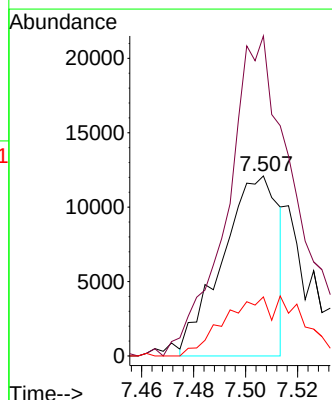
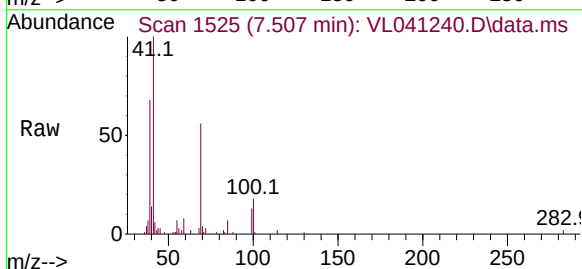
Tgt Ion: 69 Resp: 18151

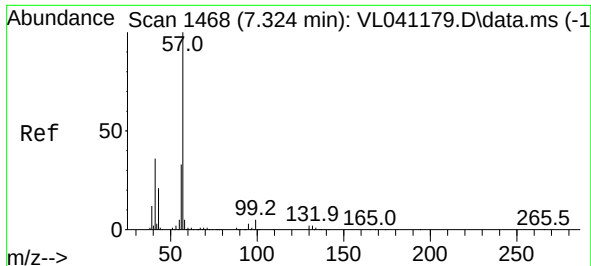
Ion Ratio Lower Upper

69 100

41 229.6 125.2 187.8#

100 0.0 26.7 40.1#





#44

2,2,4-Trimethylpentane

Concen: 0.396 ppbv

RT: 7.353 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2024

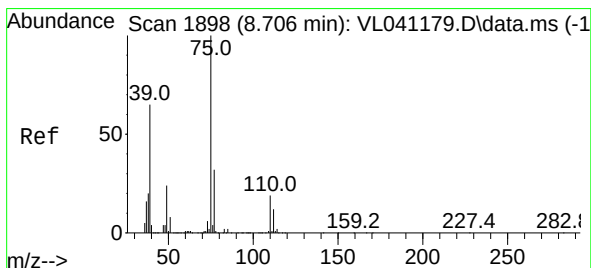
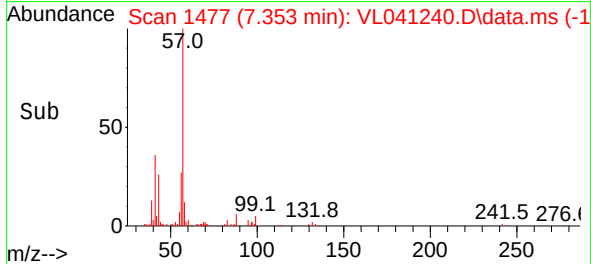
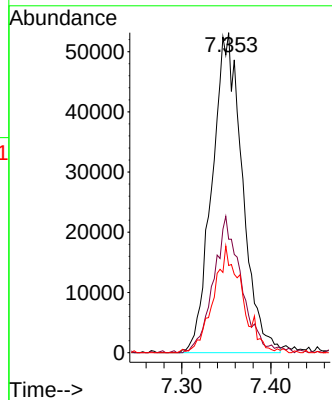
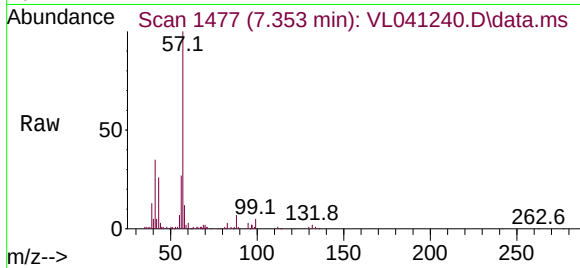
Tgt Ion: 57 Resp: 125746

Ion Ratio Lower Upper

57 100

41 39.7 29.5 44.3

56 31.7 25.3 37.9



#45

t-1,3-Dichloropropene

Concen: 0.105 ppbv

RT: 8.738 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VL041240.D

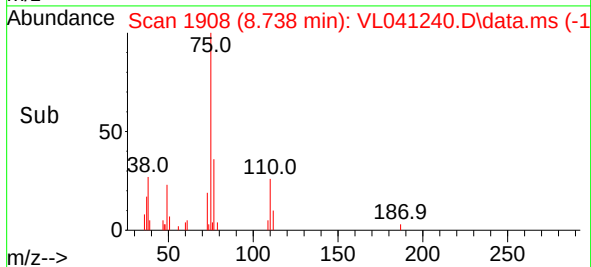
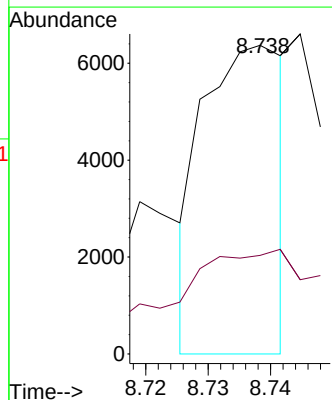
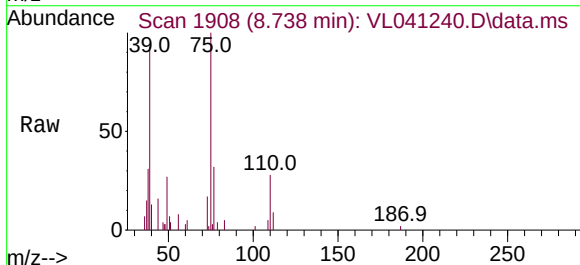
Acq: 8 May 2024 12:35

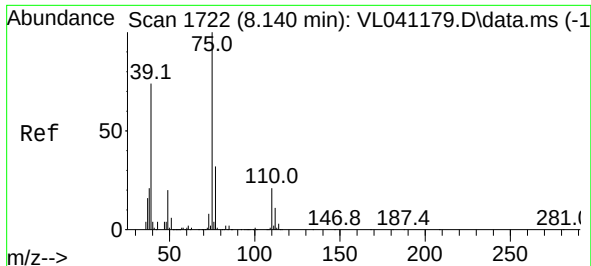
Tgt Ion: 75 Resp: 5696

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4





#46

cis-1,3-Dichloropropene

Concen: 0.240 ppbv

RT: 8.169 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2024

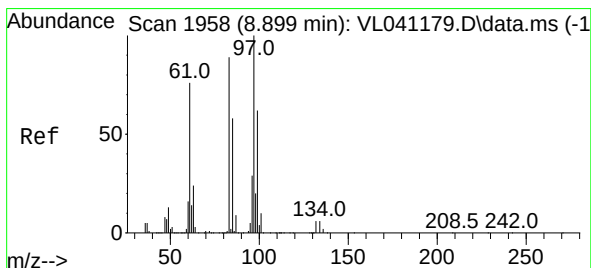
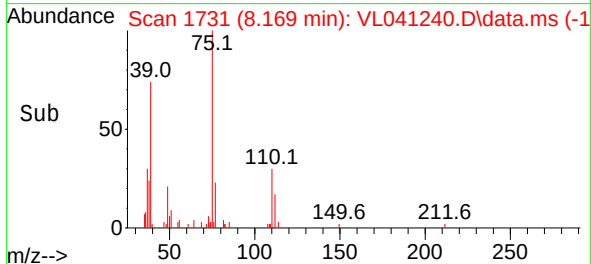
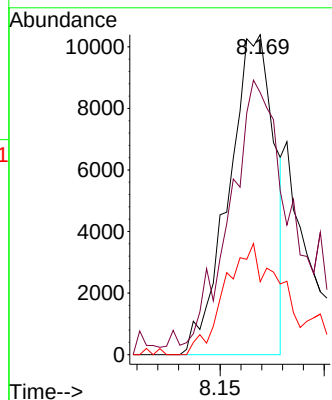
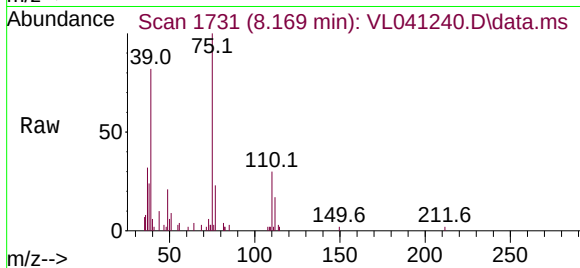
Tgt Ion: 75 Resp: 15849

Ion Ratio Lower Upper

75 100

39 79.0 59.4 89.2

77 22.8 25.9 38.9#



#47

1,1,2-Trichloroethane

Concen: 0.251 ppbv

RT: 8.915 min Scan# 1963

Delta R.T. -0.006 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Tgt Ion: 97 Resp: 17849

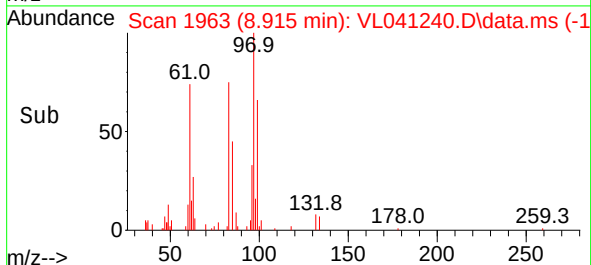
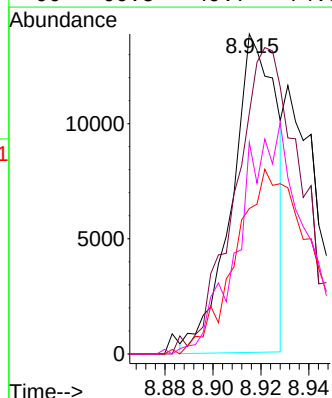
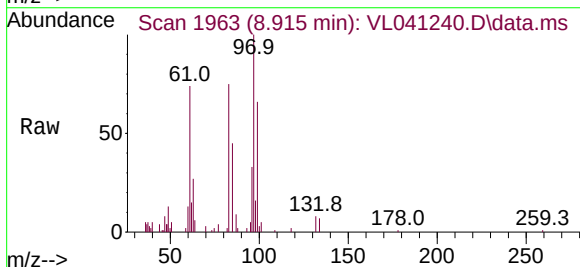
Ion Ratio Lower Upper

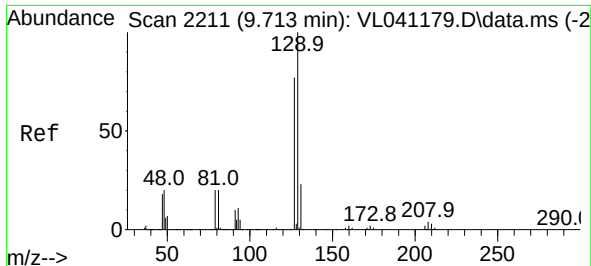
97 100

83 71.9 71.2 106.8

85 46.9 46.0 69.0

99 66.5 49.7 74.5





#48

Dibromochloromethane

Concen: 0.226 ppbv

RT: 9.735 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Instrument :

MSVOA_1

ClientSampleId :

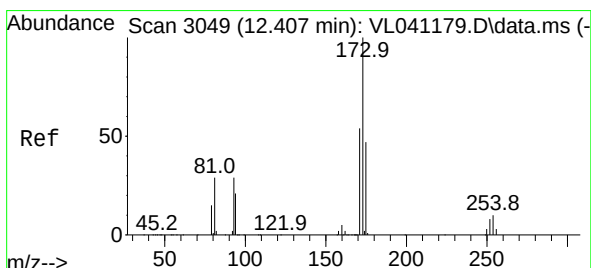
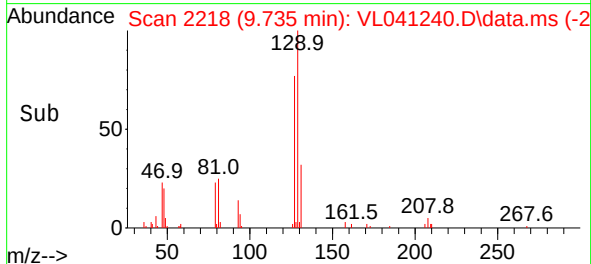
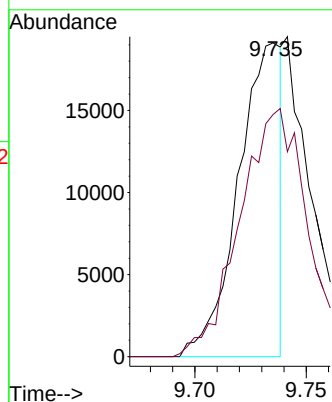
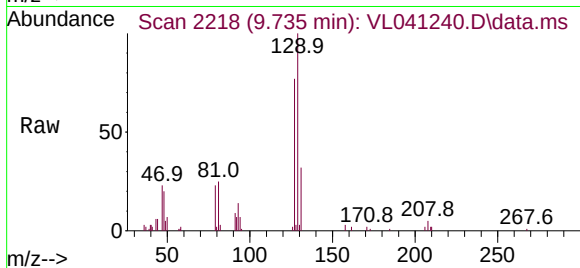
LOD-MDL-AIR-01-QT2-2024

Tgt Ion:129 Resp: 25654

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.5#



#49

Bromoform

Concen: 0.188 ppbv

RT: 12.433 min Scan# 3057

Delta R.T. 0.003 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

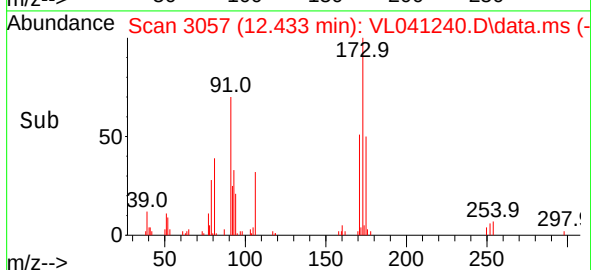
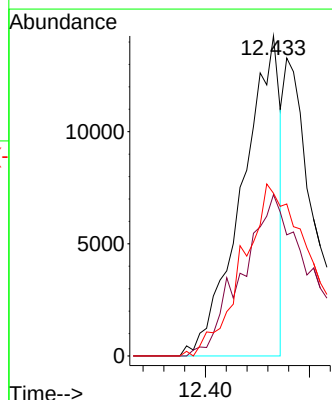
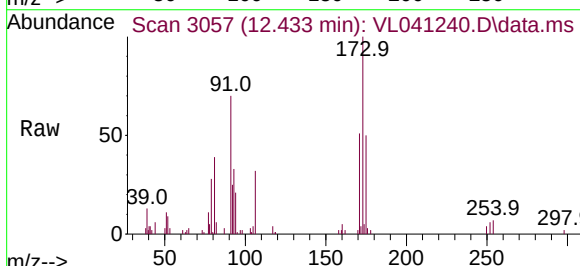
Tgt Ion:173 Resp: 18096

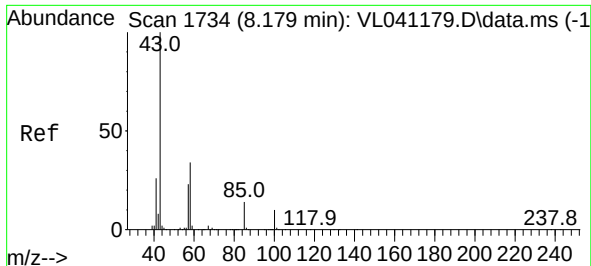
Ion Ratio Lower Upper

173 100

175 89.5 39.8 59.8#

171 97.7 41.8 62.8#





#50

4-Methyl-2-Pentanone

Concen: 0.166 ppbv

RT: 8.224 min Scan# 1

Delta R.T. 0.023 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Instrument :

MSVOA_L

ClientSampleId :

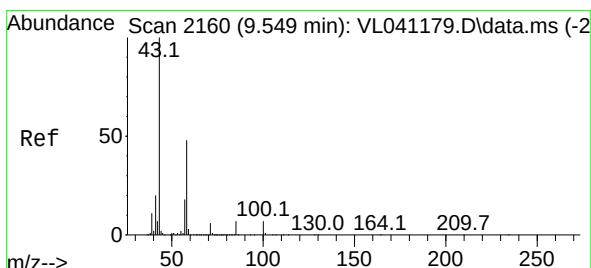
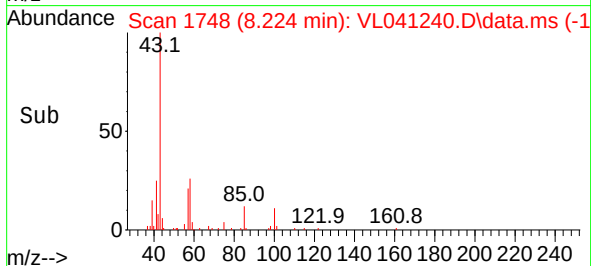
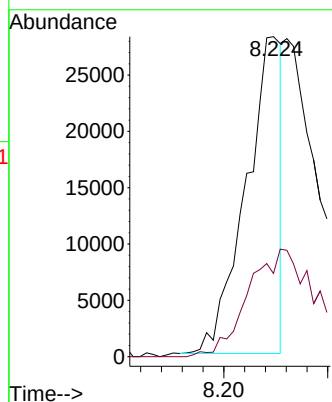
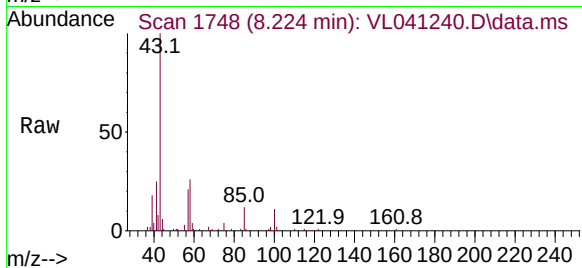
LOD-MDL-AIR-01-QT2-2024

Tgt Ion: 43 Resp: 33374

Ion Ratio Lower Upper

43 100

58 0.0 27.7 41.5#



#51

2-Hexanone

Concen: 0.169 ppbv

RT: 9.603 min Scan# 2177

Delta R.T. 0.035 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

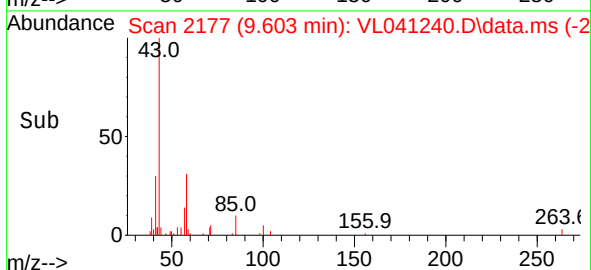
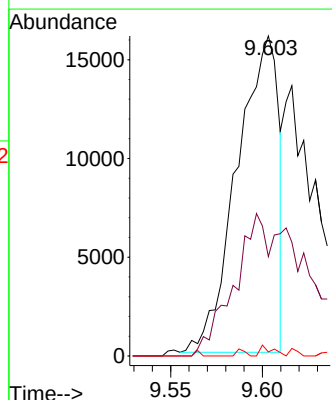
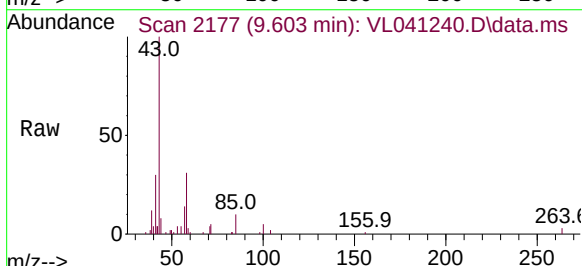
Tgt Ion: 43 Resp: 25140

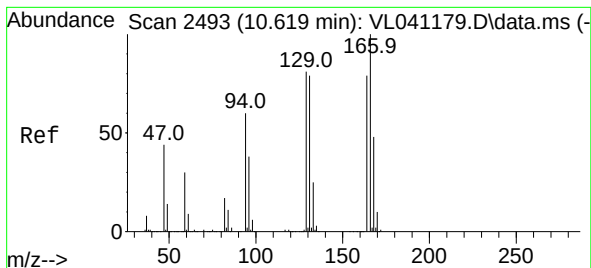
Ion Ratio Lower Upper

43 100

58 88.5 38.4 57.6#

98 2.6 0.0 0.0#





#52

Tetrachloroethene

Concen: 0.296 ppbv

RT: 10.642 min Scan# 2058

Delta R.T. 0.006 min

Lab File: VL041240.D

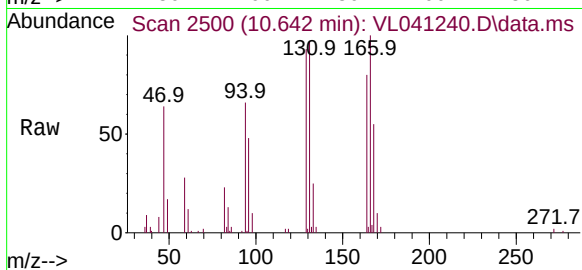
Acq: 8 May 2024 12:35

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT2-2024



Tgt Ion:164 Resp: 19153

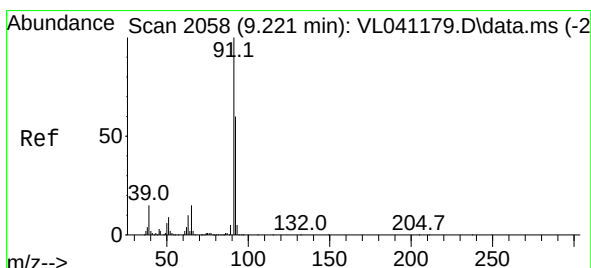
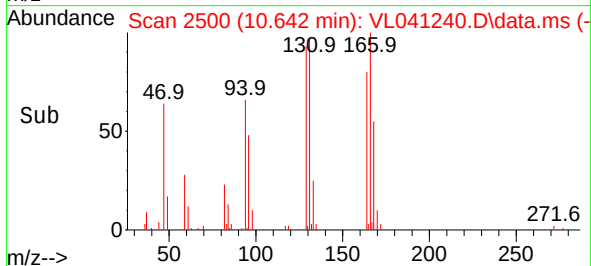
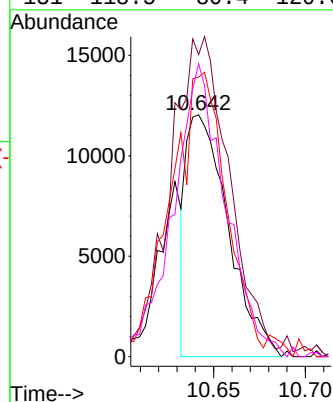
Ion Ratio Lower Upper

164 100

166 120.8 101.1 151.7

129 109.5 81.7 122.5

131 118.5 80.4 120.6



#53

Toluene

Concen: 0.374 ppbv

RT: 9.243 min Scan# 2065

Delta R.T. 0.003 min

Lab File: VL041240.D

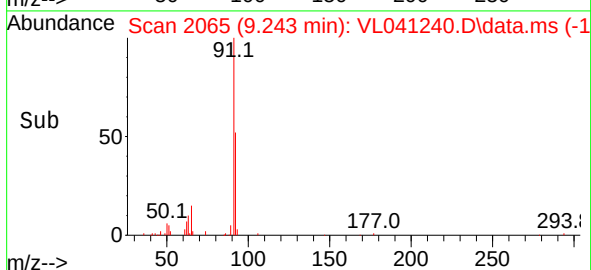
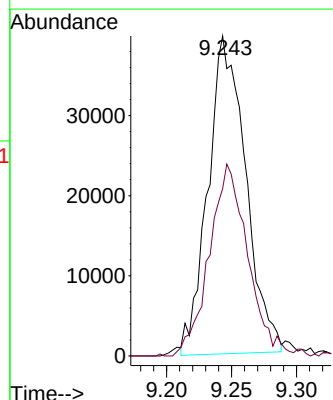
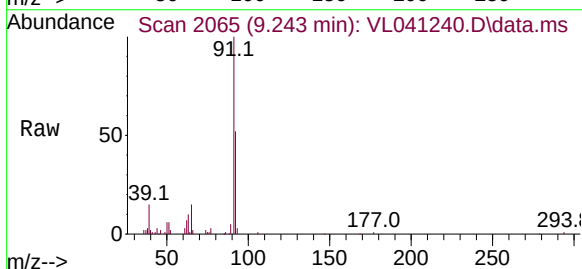
Acq: 8 May 2024 12:35

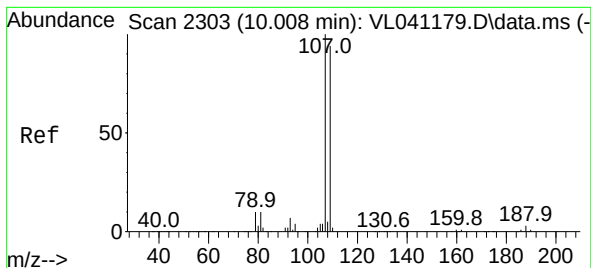
Tgt Ion: 91 Resp: 79873

Ion Ratio Lower Upper

91 100

92 62.6 48.2 72.4





#54

1,2-Dibromoethane

Concen: 0.195 ppbv

RT: 10.031 min Scan# 2310

Delta R.T. 0.000 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Instrument :

MSVOA_L

ClientSampleId :

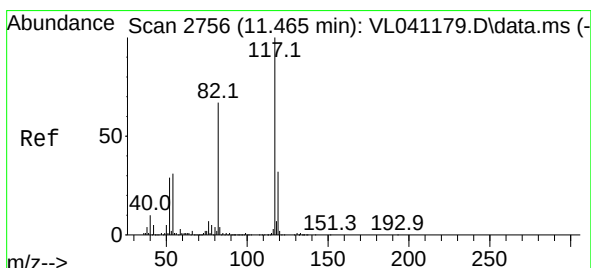
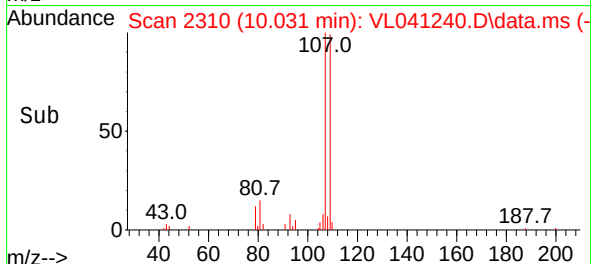
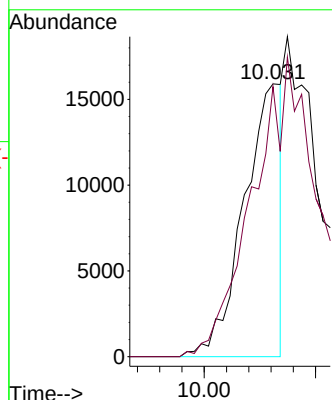
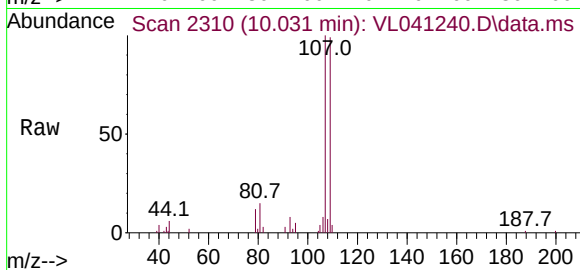
LOD-MDL-AIR-01-QT2-2024

Tgt Ion:107 Resp: 18750

Ion Ratio Lower Upper

107 100

109 99.0 75.2 112.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.491 min Scan# 2764

Delta R.T. 0.003 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

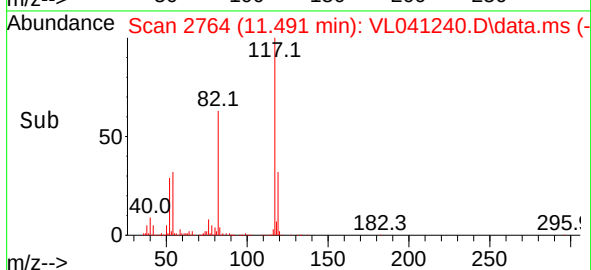
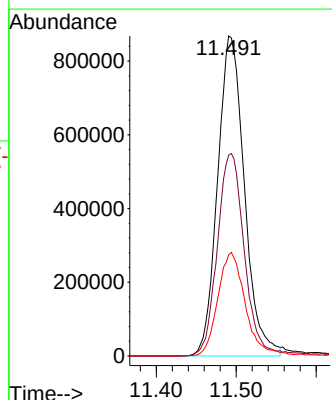
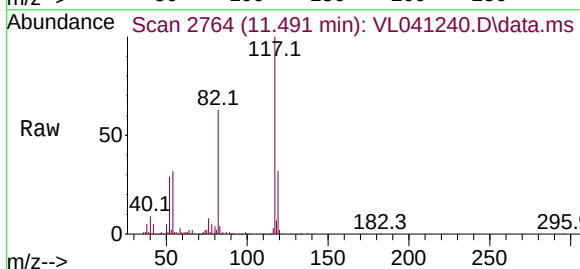
Tgt Ion:117 Resp: 2020525

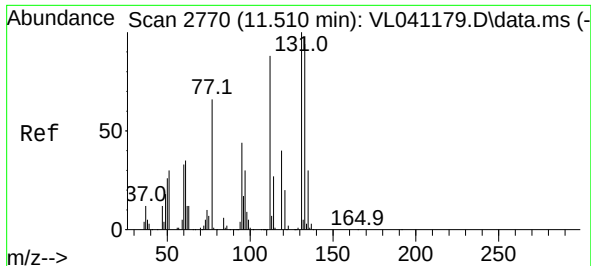
Ion Ratio Lower Upper

117 100

82 64.9 53.6 80.4

119 33.6 27.2 40.8





#56

1,1,1,2-Tetrachloroethane

Concen: 0.258 ppbv

RT: 11.539 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2024

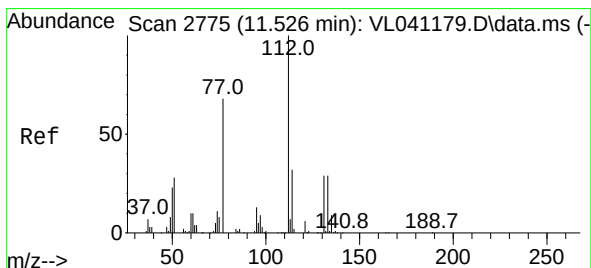
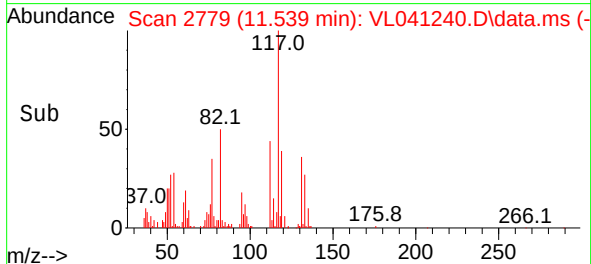
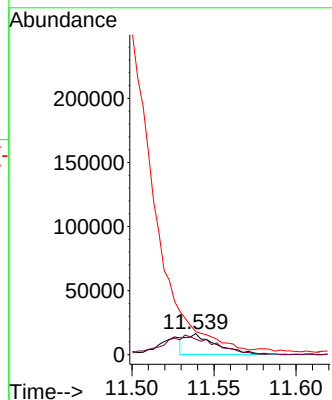
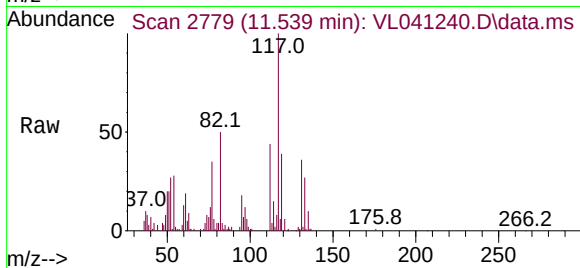
Tgt Ion:131 Resp: 21116

Ion Ratio Lower Upper

131 100

133 157.6 76.3 114.5#

119 0.0 49.4 74.2#



#57

Chlorobenzene

Concen: 0.216 ppbv

RT: 11.555 min Scan# 2784

Delta R.T. 0.006 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

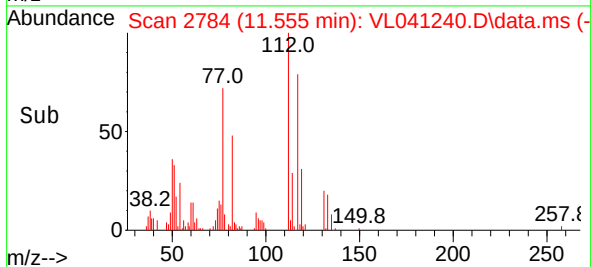
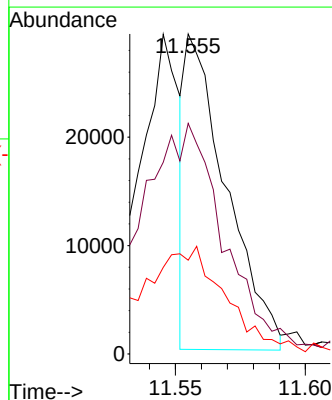
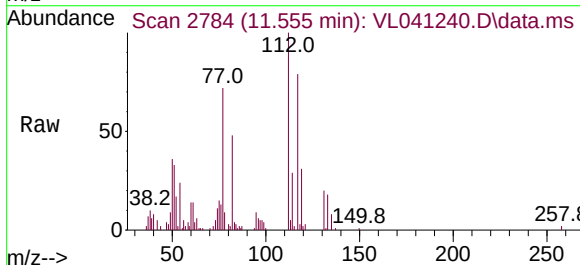
Tgt Ion:112 Resp: 31965

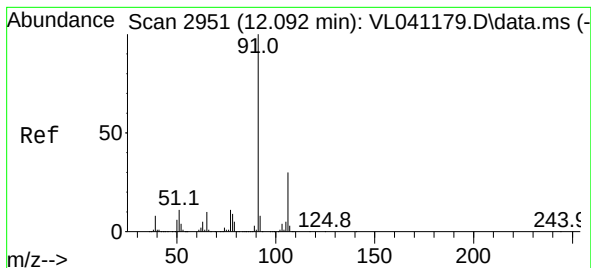
Ion Ratio Lower Upper

112 100

77 68.0 54.9 82.3

114 27.8 28.7 35.1#





#58

Ethyl Benzene

Concen: 0.408 ppbv

RT: 12.118 min Scan# 2959

Delta R.T. 0.006 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Instrument :

MSVOA_1

ClientSampleId :

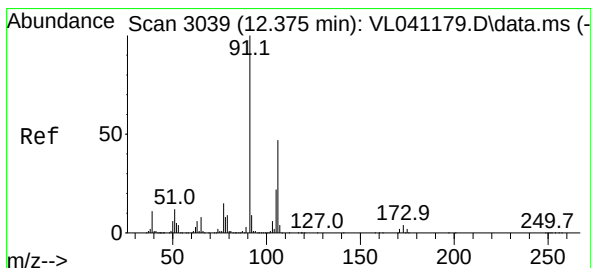
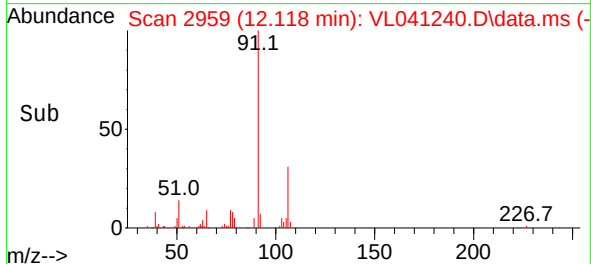
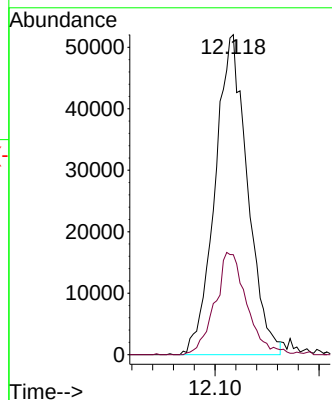
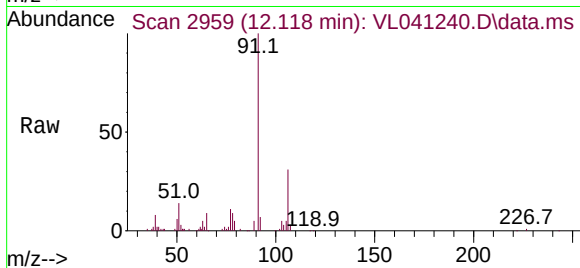
LOD-MDL-AIR-01-QT2-2024

Tgt Ion: 91 Resp: 113102

Ion Ratio Lower Upper

91 100

106 31.2 24.3 36.5



#59

m/p-Xylene

Concen: 0.310 ppbv

RT: 12.397 min Scan# 3046

Delta R.T. 0.006 min

Lab File: VL041240.D

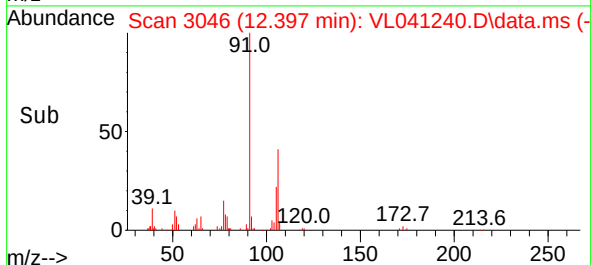
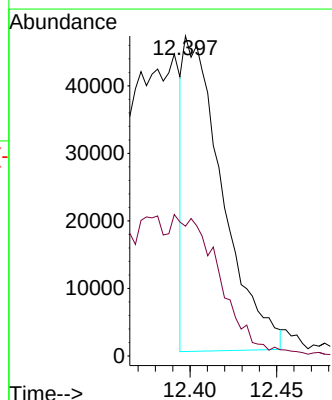
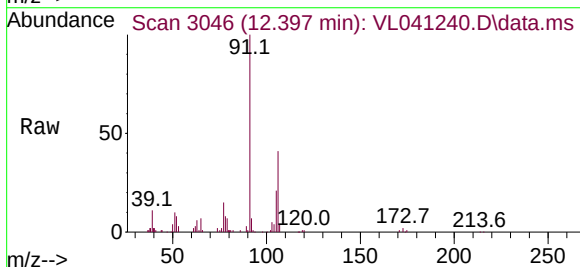
Acq: 8 May 2024 12:35

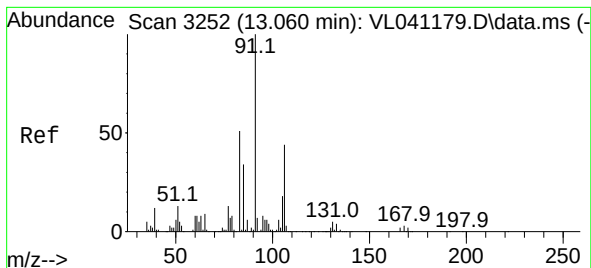
Tgt Ion: 91 Resp: 72252

Ion Ratio Lower Upper

91 100

106 0.0 35.7 53.5#





#60

o-Xylene

Concen: 0.424 ppbv

RT: 13.089 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Instrument :

MSVOA_1

ClientSampleId :

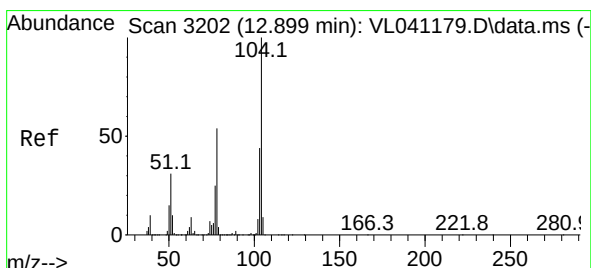
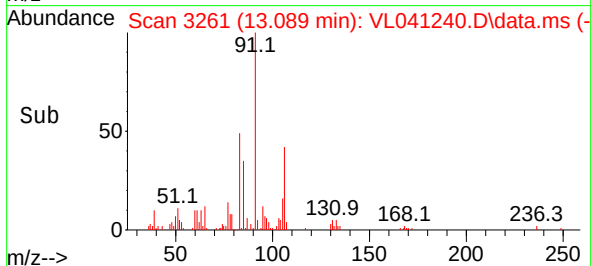
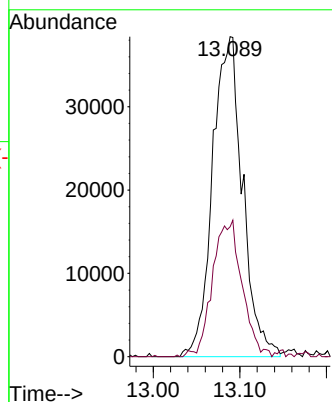
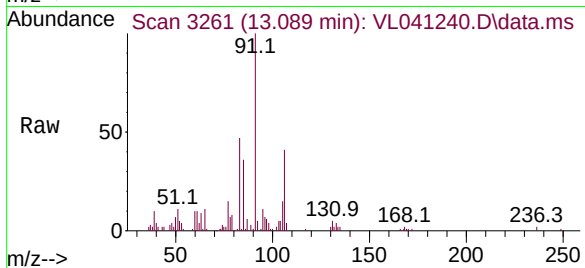
LOD-MDL-AIR-01-QT2-2024

Tgt Ion: 91 Resp: 92525

Ion Ratio Lower Upper

91 100

106 42.4 22.4 67.3



#61

Styrene

Concen: 0.340 ppbv

RT: 12.921 min Scan# 3209

Delta R.T. 0.003 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

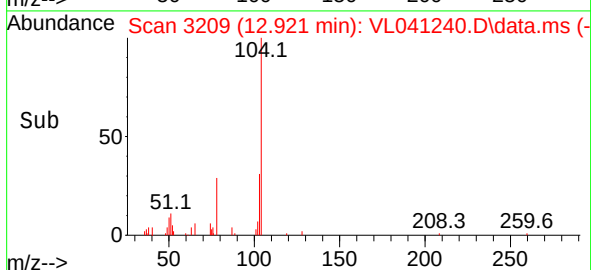
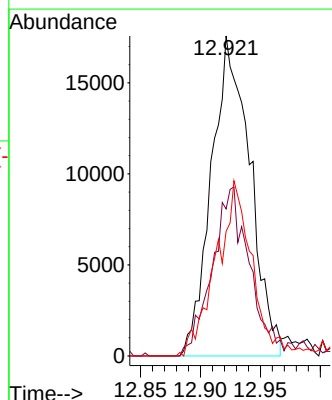
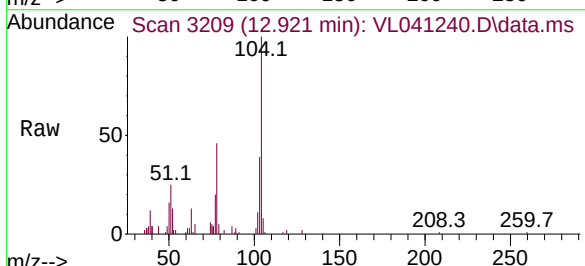
Tgt Ion:104 Resp: 39186

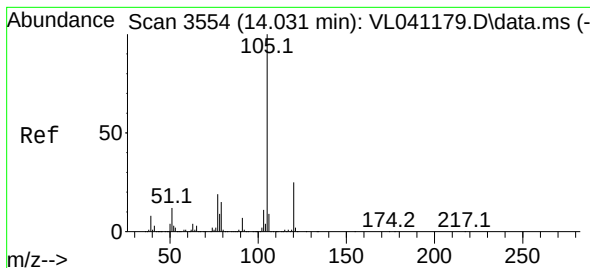
Ion Ratio Lower Upper

104 100

78 53.9 42.6 63.8

103 51.6 38.4 57.6





#62

Isopropylbenzene

Concen: 0.420 ppbv

RT: 14.056 min Scan# 3562

Delta R.T. 0.006 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Instrument :

MSVOA_L

ClientSampleId :

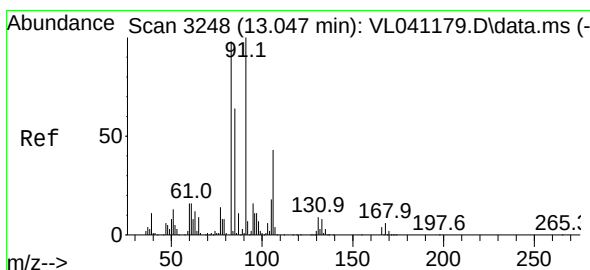
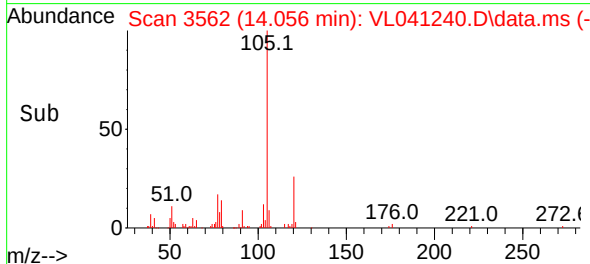
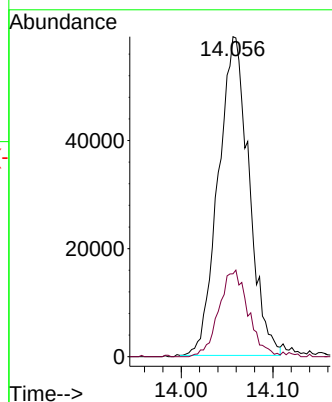
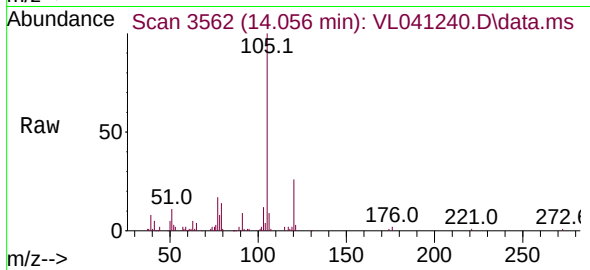
LOD-MDL-AIR-01-QT2-2024

Tgt Ion:105 Resp: 137104

Ion Ratio Lower Upper

105 100

120 26.5 20.2 30.2



#63

1,1,2,2-Tetrachloroethane

Concen: 0.216 ppbv

RT: 13.073 min Scan# 3256

Delta R.T. 0.006 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

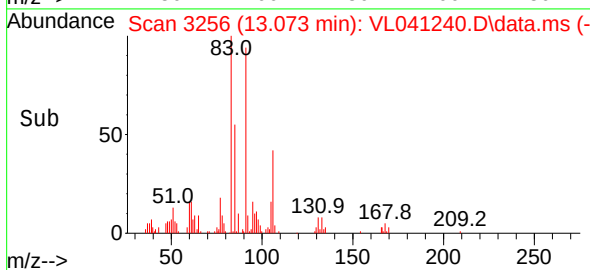
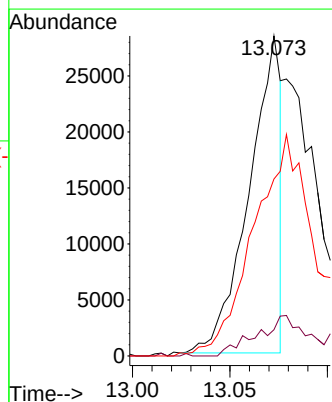
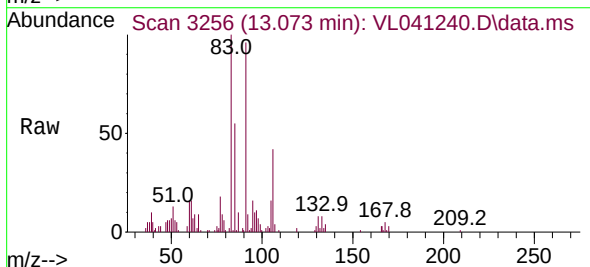
Tgt Ion: 83 Resp: 32107

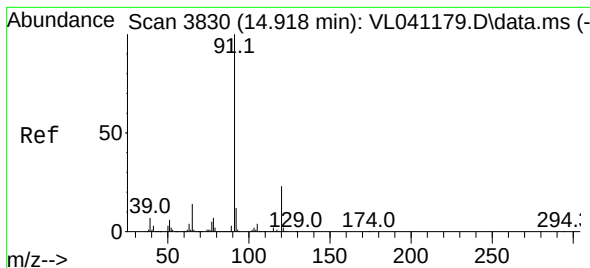
Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

85 0.0 32.7 98.1#





#64

n-propylbenzene

Concen: 0.366 ppbv

RT: 14.947 min Scan# 3839

Delta R.T. 0.013 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Instrument :

MSVOA_1

ClientSampleId :

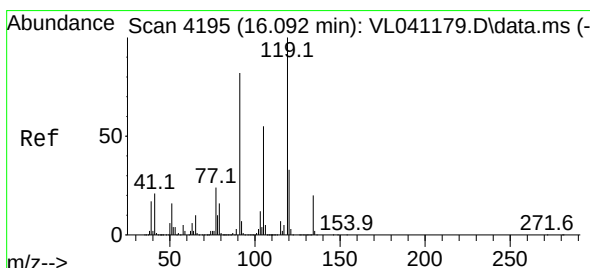
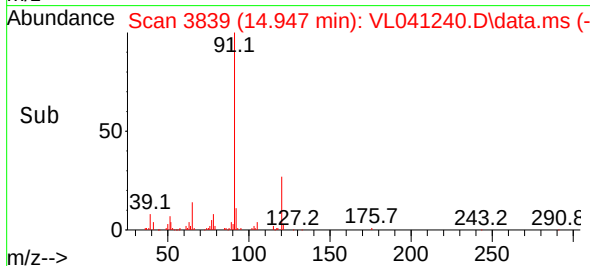
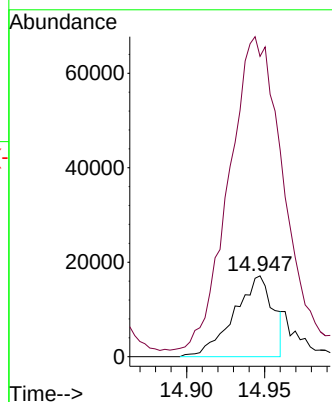
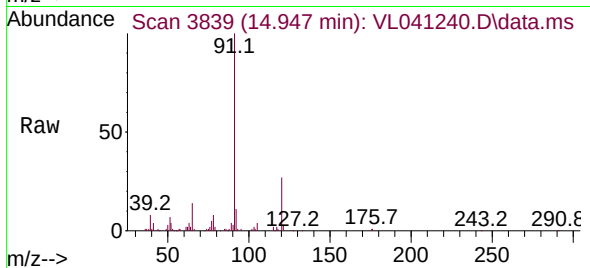
LOD-MDL-AIR-01-QT2-2024

Tgt Ion:120 Resp: 29834

Ion Ratio Lower Upper

120 100

91 582.2 384.8 577.2#



#65

tert-Butylbenzene

Concen: 0.201 ppbv

RT: 16.114 min Scan# 4202

Delta R.T. 0.006 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

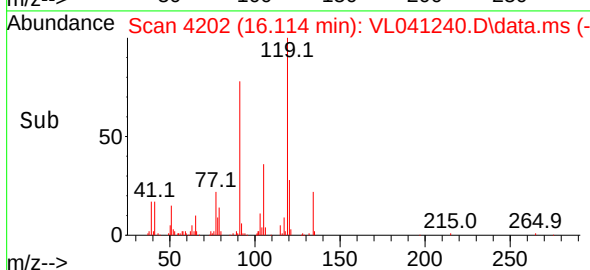
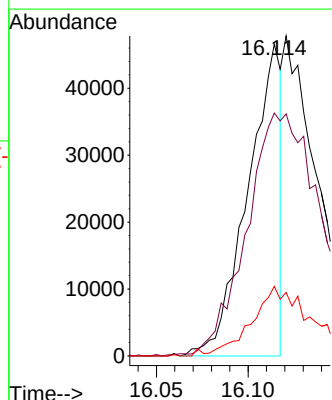
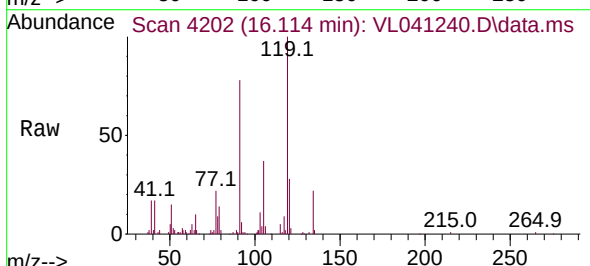
Tgt Ion:119 Resp: 58842

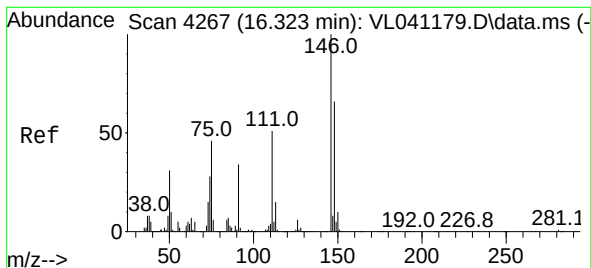
Ion Ratio Lower Upper

119 100

91 180.7 67.0 100.4#

134 41.2 15.2 22.8#





#66

Benzyl Chloride

Concen: 0.958 ppbv

RT: 16.130 min Scan# 41

Delta R.T. -0.219 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2024

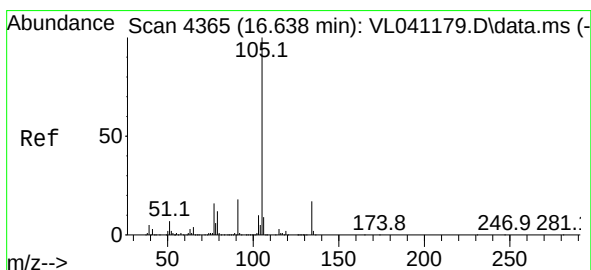
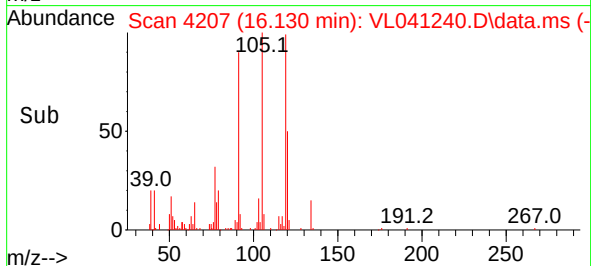
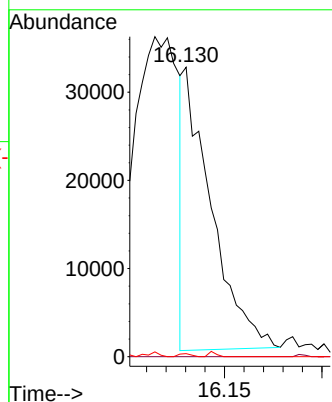
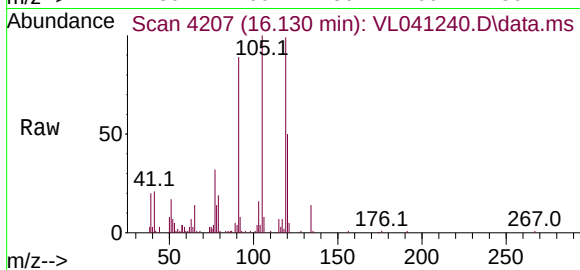
Tgt Ion: 91 Resp: 31721

Ion Ratio Lower Upper

91 100

126 0.0 14.6 21.8#

128 1.0 4.7 7.1#



#67

sec-Butylbenzene

Concen: 0.239 ppbv

RT: 16.664 min Scan# 4373

Delta R.T. 0.013 min

Lab File: VL041240.D

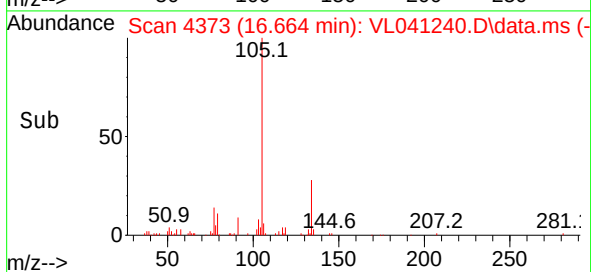
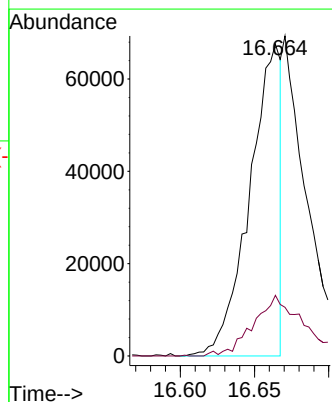
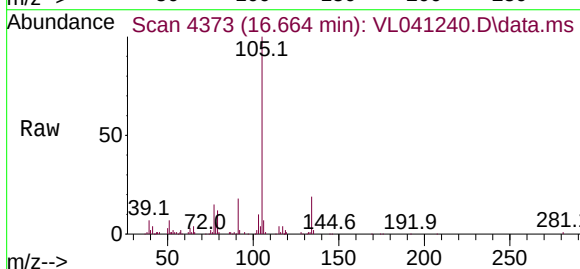
Acq: 8 May 2024 12:35

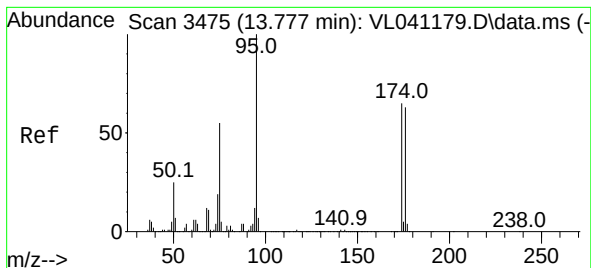
Tgt Ion: 105 Resp: 98554

Ion Ratio Lower Upper

105 100

134 32.2 13.8 20.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.079 ppbv

RT: 13.802 min Scan# 3475

Delta R.T. 0.006 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT2-2024

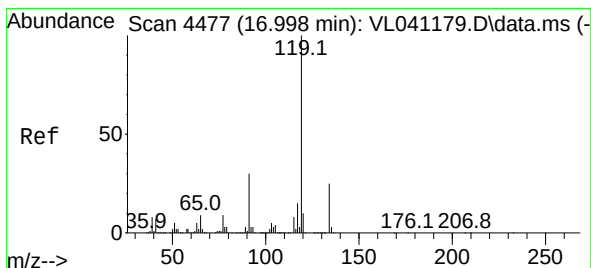
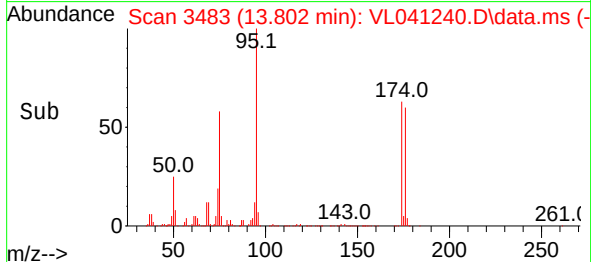
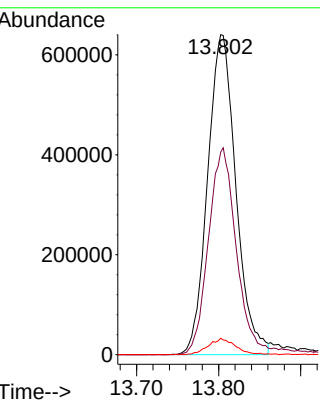
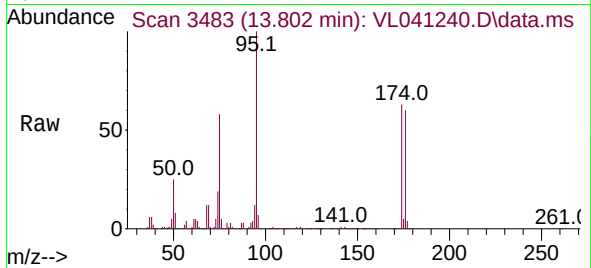
Tgt Ion: 95 Resp: 1537385

Ion Ratio Lower Upper

95 100

174 66.4 53.6 80.4

175 5.0 4.2 6.4



#69

p-Isopropyltoluene

Concen: 0.260 ppbv

RT: 17.027 min Scan# 4486

Delta R.T. 0.013 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

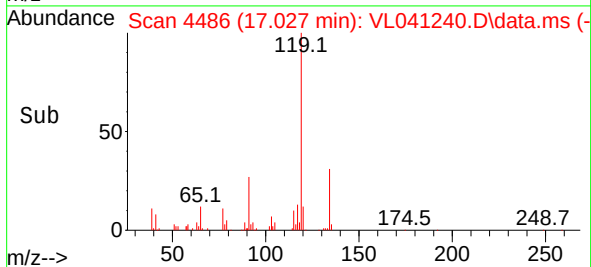
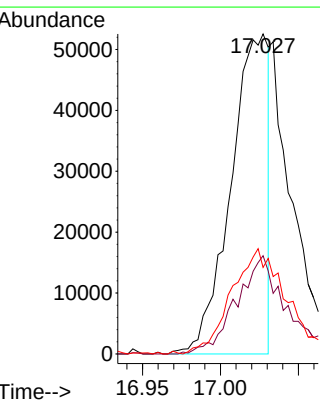
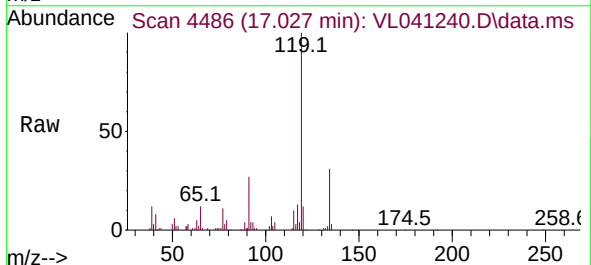
Tgt Ion: 119 Resp: 88030

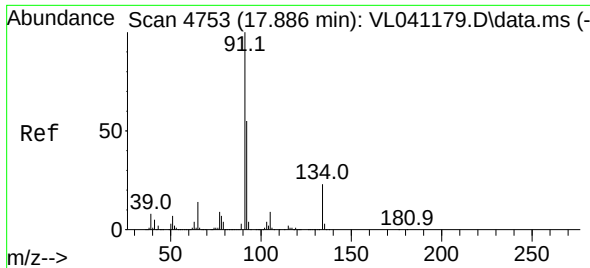
Ion Ratio Lower Upper

119 100

134 41.7 20.1 30.1#

91 50.6 24.2 36.2#

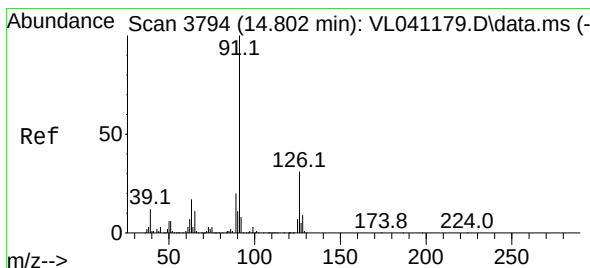
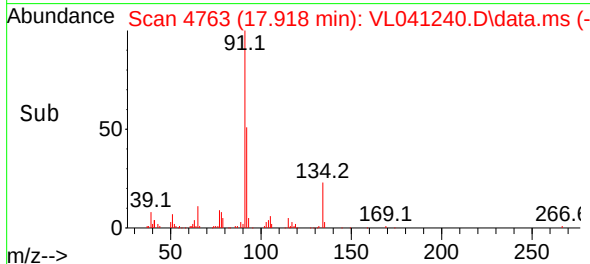
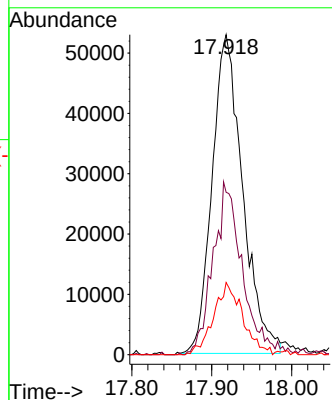
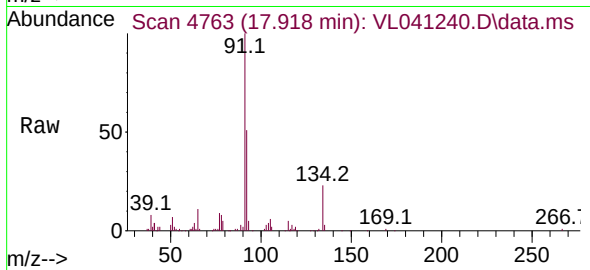




#70
n-Butylbenzene
Concen: 0.395 ppbv
RT: 17.918 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL041240.D
Acq: 8 May 2024 12:35

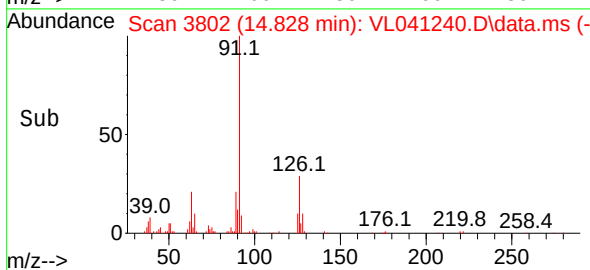
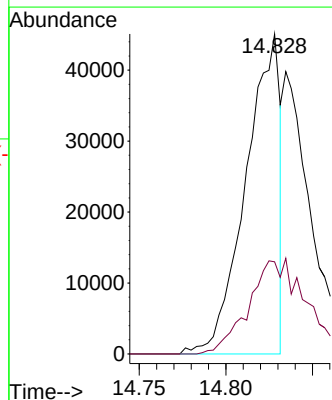
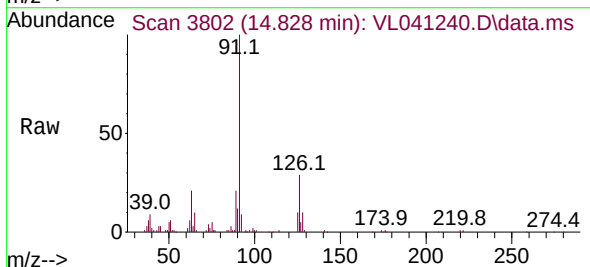
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2024

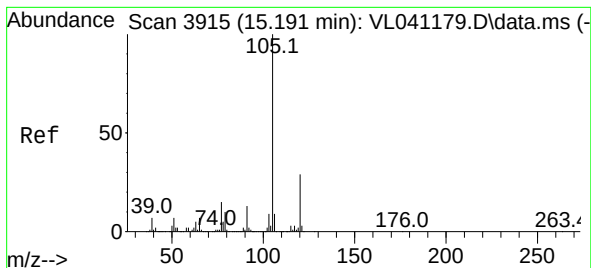
Tgt Ion: 91 Resp: 140015
Ion Ratio Lower Upper
91 100
92 52.0 43.3 64.9
134 22.1 17.8 26.8



#71
2-Chlorotoluene
Concen: 0.249 ppbv
RT: 14.828 min Scan# 3802
Delta R.T. 0.006 min
Lab File: VL041240.D
Acq: 8 May 2024 12:35

Tgt Ion: 91 Resp: 61809
Ion Ratio Lower Upper
91 100
126 0.0 12.2 48.8#





#72

4-Ethyltoluene

Concen: 0.404 ppbv

RT: 15.220 min Scan# 3924

Delta R.T. 0.010 min

Lab File: VL041240.D

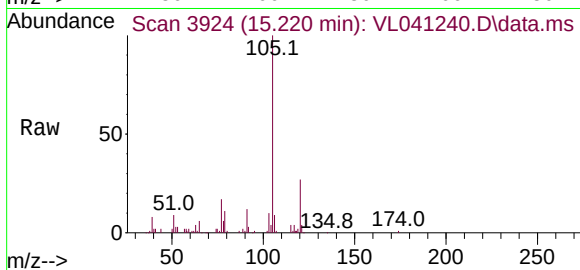
Acq: 8 May 2024 12:35

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT2-2024



Tgt Ion:105 Resp: 99904

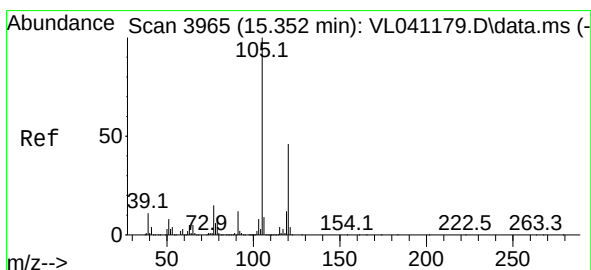
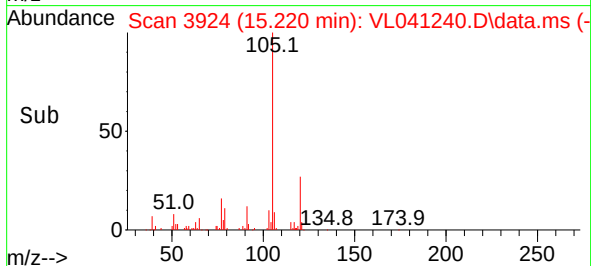
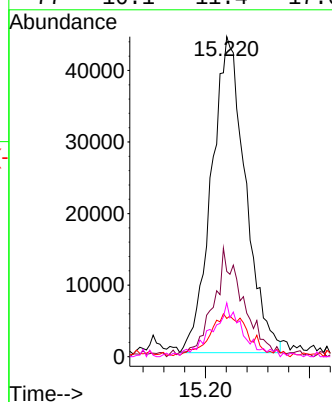
Ion Ratio Lower Upper

105 100

120 32.1 24.7 37.1

91 16.6 10.3 15.5#

77 16.1 11.4 17.0



#73

1,3,5-Trimethylbenzene

Concen: 0.219 ppbv

RT: 15.375 min Scan# 3972

Delta R.T. 0.003 min

Lab File: VL041240.D

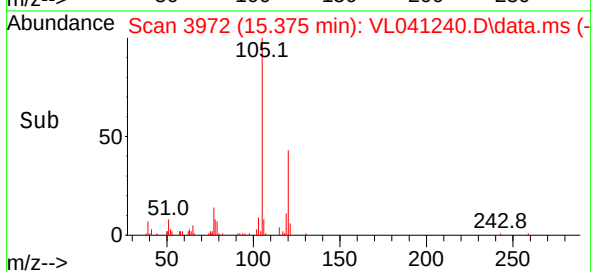
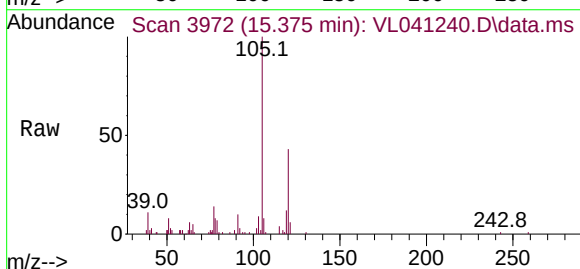
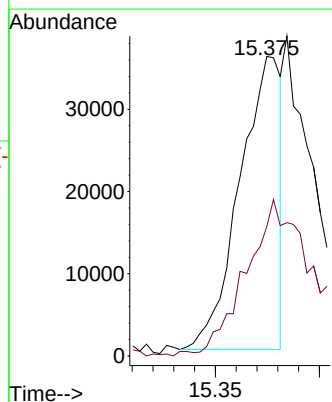
Acq: 8 May 2024 12:35

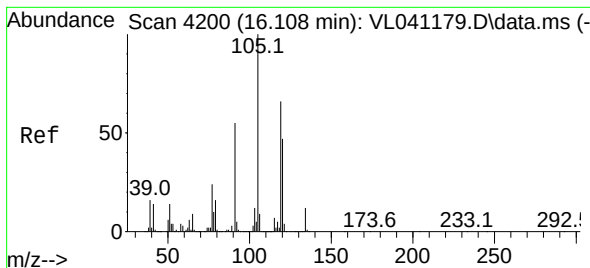
Tgt Ion:105 Resp: 48923

Ion Ratio Lower Upper

105 100

120 42.6 37.0 55.4





#74

1,2,4-Trimethylbenzene

Concen: 0.404 ppbv

RT: 16.134 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041240.D

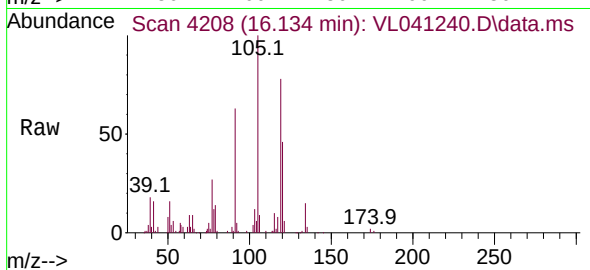
Acq: 8 May 2024 12:35

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2024



Tgt Ion:105 Resp: 98588

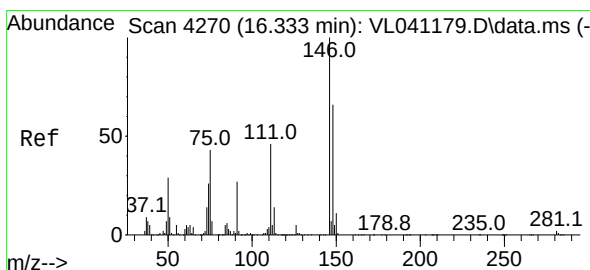
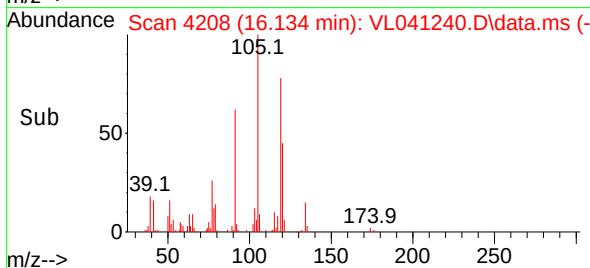
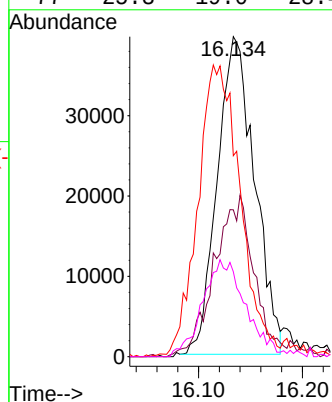
Ion Ratio Lower Upper

105 100

120 44.0 37.8 56.6

91 60.6 44.3 66.5

77 25.3 19.0 28.4



#75

1,3-Dichlorobenzene

Concen: 0.400 ppbv

RT: 16.355 min Scan# 4277

Delta R.T. 0.006 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

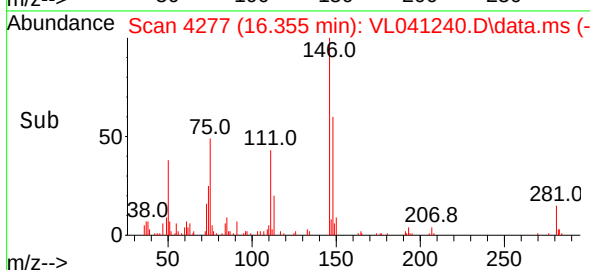
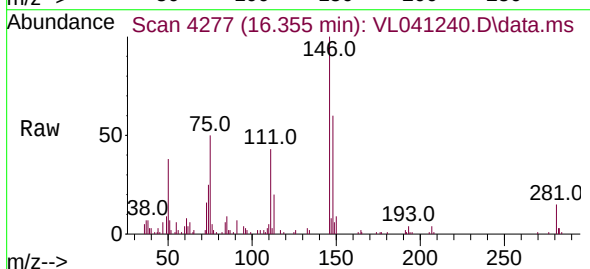
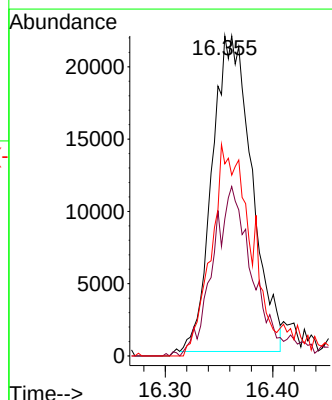
Tgt Ion:146 Resp: 55978

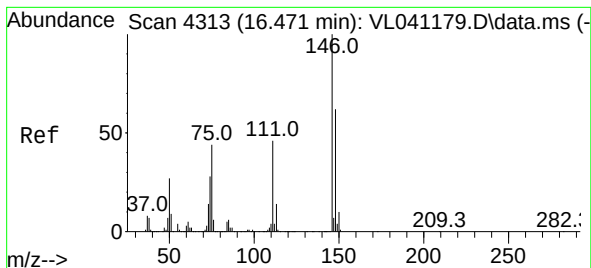
Ion Ratio Lower Upper

146 100

111 55.5 23.7 71.1

148 72.5 32.5 97.4





#76

1,4-Dichlorobenzene

Concen: 0.407 ppbv

RT: 16.503 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT2-2024

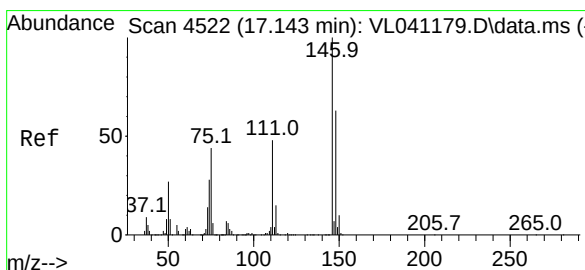
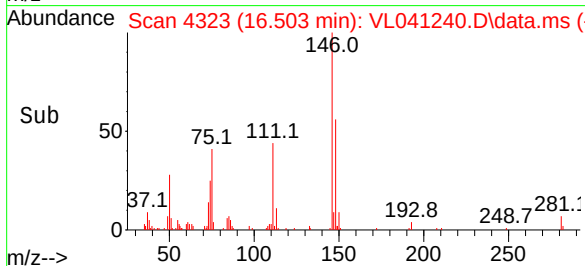
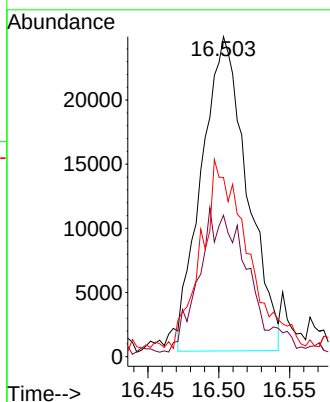
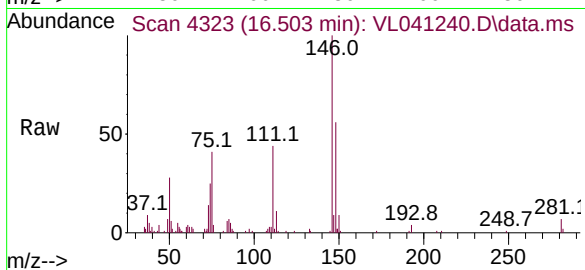
Tgt Ion:146 Resp: 54837

Ion Ratio Lower Upper

146 100

111 57.0 23.3 69.8

148 68.3 32.6 97.7



#77

1,2-Dichlorobenzene

Concen: 0.221 ppbv

RT: 17.172 min Scan# 4531

Delta R.T. 0.010 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

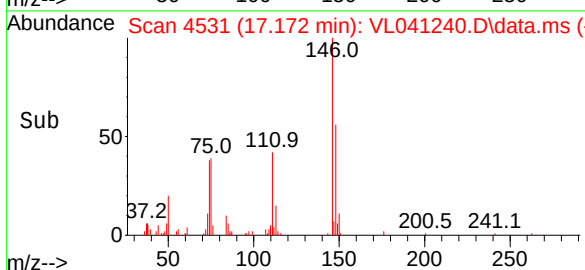
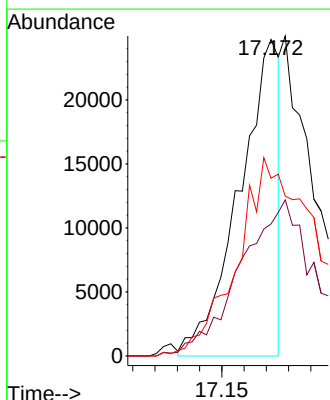
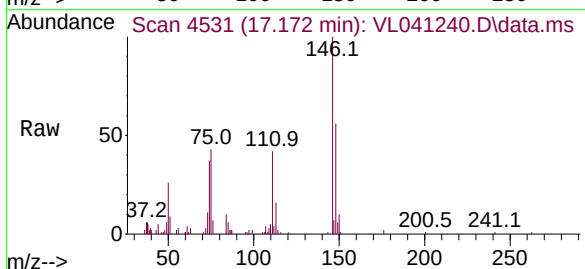
Tgt Ion:146 Resp: 30901

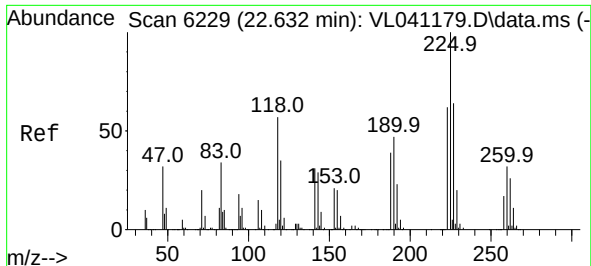
Ion Ratio Lower Upper

146 100

111 0.0 24.5 73.5#

148 133.3 32.6 98.0#





#78

Hexachloro-1,3-Butadiene

Concen: 0.040 ppbv

RT: 22.664 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL041240.D

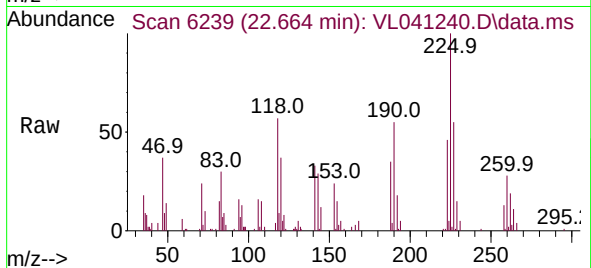
Acq: 8 May 2024 12:35

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT2-2024



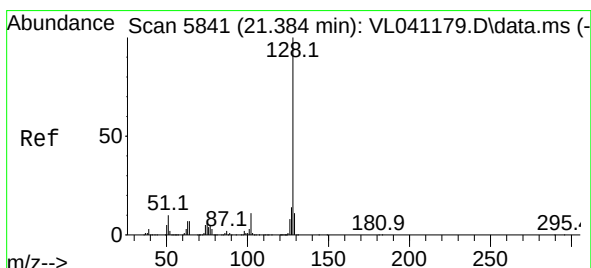
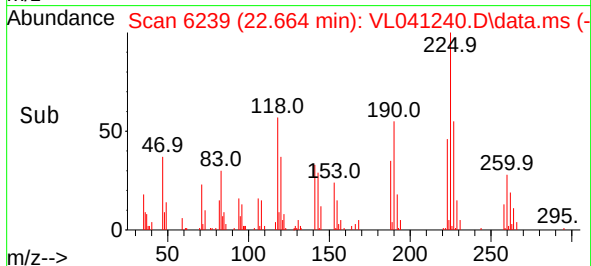
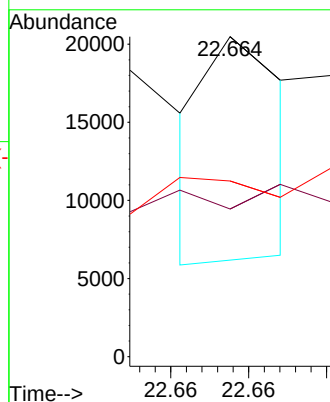
Tgt Ion:225 Resp: 4982

Ion Ratio Lower Upper

225 100

223 0.0 50.9 76.3#

227 0.0 52.0 78.0#



#79

Naphthalene

Concen: 0.071 ppbv

RT: 21.442 min Scan# 5859

Delta R.T. 0.039 min

Lab File: VL041240.D

Acq: 8 May 2024 12:35

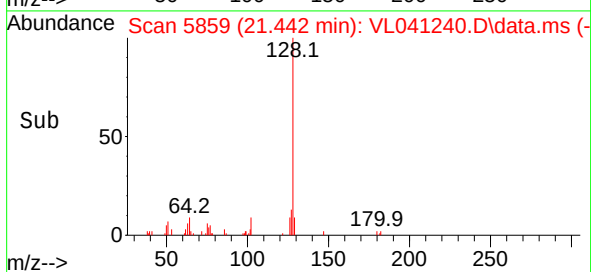
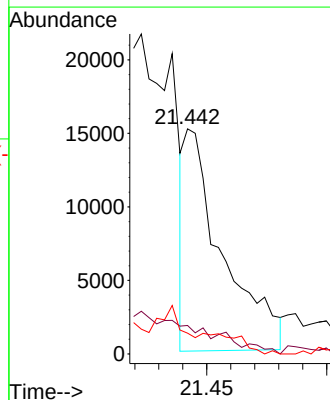
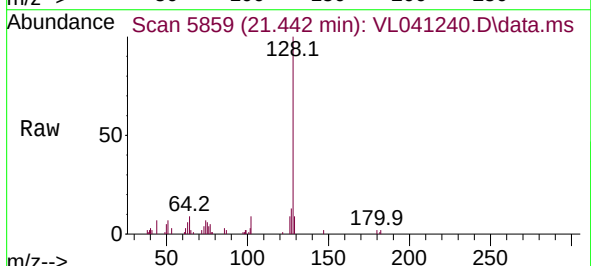
Tgt Ion:128 Resp: 16589

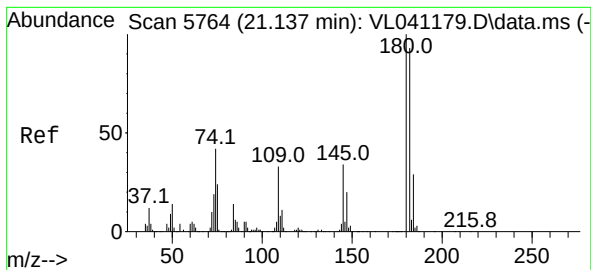
Ion Ratio Lower Upper

128 100

127 15.1 10.8 16.2

129 11.1 8.9 13.3





#81

1,2,4-Trichlorobenzene

Concen: 0.233 ppbv

RT: 21.175 min Scan# 5

Delta R.T. 0.010 min

Lab File: VL041240.D

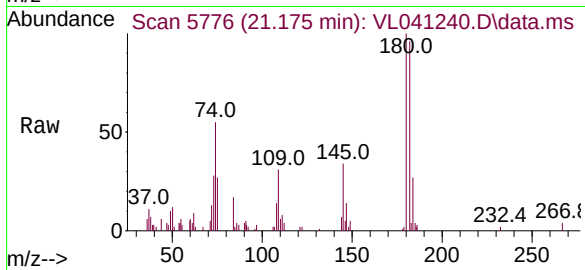
Acq: 8 May 2024 12:35

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2024



Tgt Ion:180 Resp: 28677

Ion Ratio Lower Upper

180 100

182 133.7 77.2 115.8#

184 40.7 24.6 36.8#

