

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
 Data File : VL043186.D
 Acq On : 11 Nov 2025 12:13
 Operator : SY/MD
 Sample : Q3530-15 0.45 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025

Quant Time: Nov 12 00:18:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	141468	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	389227	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.895	117	328404	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	250615	9.818	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.505	85	10416	0.518	ppbv	97
3) Chlorodifluoromethane	1.483	51	10604	0.487	ppbv	100
4) Chloromethane	1.538	50	3431	0.431	ppbv #	86
5) Vinyl Chloride	1.586	62	3617	0.463	ppbv	94
6) Bromomethane	1.677	94	2444	0.570	ppbv #	80
7) Chloroethane	1.709	64	1395	0.437	ppbv	100
8) Dichlorotetrafluoroethane	1.561	85	8052	0.495	ppbv	92
9) Propene	1.489	41	3680	0.381	ppbv	91
10) Heptane	4.998	43	4166	0.150	ppbv #	27
11) Trichlorofluoromethane	1.884	101	10837	0.551	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.146	101	7939	0.501	ppbv	96
13) Ethanol	1.729	45	1763	0.494	ppbv	82
14) Bromoethene	1.787	108	2824	0.480	ppbv #	93
15) Acetone	1.842	43	11469	0.601	ppbv	94
16) 1,3-Butadiene	1.616	39	4122	0.454	ppbv	84
17) tert-Butyl alcohol	2.049	59	11410	0.436	ppbv #	93
18) 1,1-Dichloroethene	2.043	96	3488	0.505	ppbv #	76
19) Isopropyl Alcohol	1.894	45	6006	0.506	ppbv #	73
20) Methylene Chloride	2.069	84	4691	0.622	ppbv #	87
21) Allyl Chloride	2.104	41	5619	0.400	ppbv #	76
22) trans-1,2-Dichloroethene	2.043	96	3488	0.423	ppbv	93
23) Vinyl Acetate	2.473	43	14378	0.515	ppbv #	91
24) 1,1-Dichloroethane	2.418	63	7950	0.499	ppbv	95
25) Ethyl Acetate	2.849	43	20457	0.433	ppbv	99
26) Hexane	2.839	57	8240	0.378	ppbv	83
27) Carbon Disulfide	2.159	76	9164	0.459	ppbv #	23
28) Methyl tert-Butyl Ether	2.451	73	4135	0.417	ppbv	94
29) Chloroform	2.858	83	16090	0.510	ppbv	93
30) Cyclohexane	3.875	84	6302	0.331	ppbv	89
31) cis-1,2-Dichloroethene	2.732	61	9372	0.450	ppbv	97
32) 1,1,1-Trichloroethane	3.383	97	14207	0.432	ppbv	97
34) 2-Butanone	2.570	43	15299	0.585	ppbv	96
35) Carbon Tetrachloride	3.781	117	9127	0.326	ppbv	98
36) Benzene	3.668	78	17591	0.480	ppbv #	93
37) 1,2-Dichloroethane	3.231	62	11414	0.540	ppbv	100
38) Trichloroethene	4.567	130	1958	0.128	ppbv #	61
39) 1,2-Dichloropropane	4.331	63	3829	0.286	ppbv	97
40) 1,4-Dioxane	4.616	88	1123	0.187	ppbv #	11
41) Tetrahydrofuran	3.072	42	2949	0.202	ppbv #	40
42) Bromodichloromethane	4.506	83	15418	0.527	ppbv	99
43) Methyl Methacrylate	4.904	69	6127	0.329	ppbv	98
44) 2,2,4-Trimethylpentane	4.661	57	25844	0.418	ppbv	93
45) t-1,3-Dichloropropene	6.445	75	1692	0.091	ppbv #	85

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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 Oct 15 02:12:58 2025
 Response via : Initial Calibration

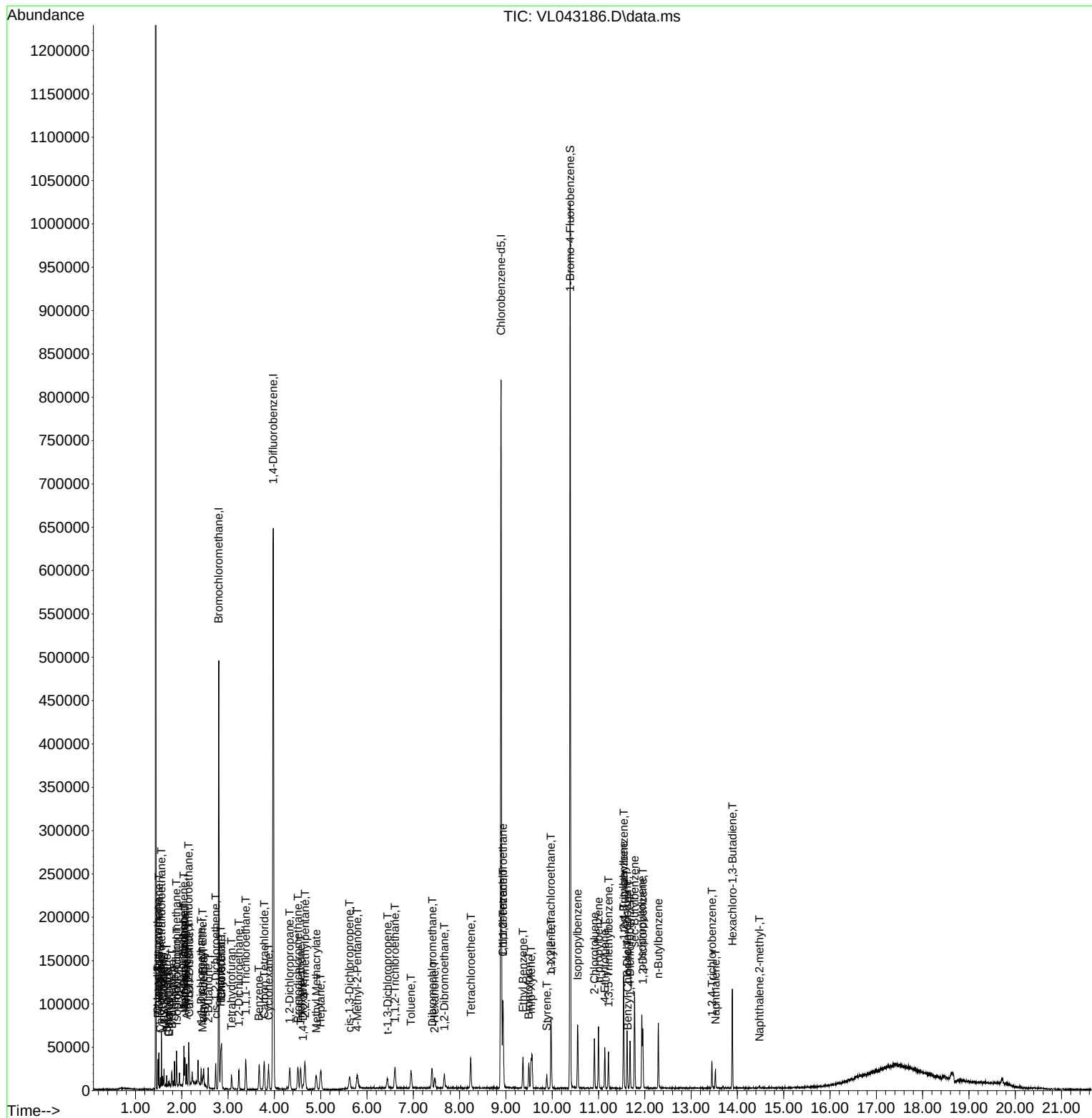
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	5014	0.225	ppbv #	87
47) 1,1,2-Trichloroethane	6.603	97	7341	0.507	ppbv	88
48) Dibromochloromethane	7.409	129	4361	0.180	ppbv #	10
49) Bromoform	9.493	173	9390	0.477	ppbv	98
50) 4-Methyl-2-Pentanone	5.788	43	7702	0.213	ppbv #	44
51) 2-Hexanone	7.458	43	6016	0.222	ppbv #	79
52) Tetrachloroethene	8.244	164	6056	0.458	ppbv	85
53) Toluene	6.950	91	14005	0.322	ppbv	96
54) 1,2-Dibromoethane	7.668	107	10167	0.448	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.937	131	12690	0.613	ppbv #	1
57) Chlorobenzene	8.937	112	16801	0.547	ppbv	95
58) Ethyl Benzene	9.367	91	18811	0.334	ppbv	98
59) m/p-Xylene	9.545	91	16614	0.370	ppbv #	29
60) o-Xylene	9.976	91	15358	0.346	ppbv	99
61) Styrene	9.882	104	5112	0.255	ppbv	93
62) Isopropylbenzene	10.549	105	31255	0.390	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.973	83	15422	0.519	ppbv	97
64) n-propylbenzene	11.002	120	7494	0.353	ppbv	87
65) tert-Butylbenzene	11.542	119	25809	0.364	ppbv	98
66) Benzyl Chloride	11.630	91	2182	0.277	ppbv #	95
67) sec-Butylbenzene	11.779	105	38472	0.383	ppbv	98
69) p-Isopropyltoluene	11.937	119	27887	0.326	ppbv	98
70) n-Butylbenzene	12.290	91	25636	0.304	ppbv	96
71) 2-Chlorotoluene	10.911	91	22616	0.370	ppbv	98
72) 4-Ethyltoluene	11.134	105	18453	0.338	ppbv	95
73) 1,3,5-Trimethylbenzene	11.215	105	15118	0.336	ppbv	99
74) 1,2,4-Trimethylbenzene	11.546	105	18501	0.367	ppbv	94
75) 1,3-Dichlorobenzene	11.617	146	14616	0.500	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	13121	0.445	ppbv	99
77) 1,2-Dichlorobenzene	11.957	146	14597	0.516	ppbv	92
78) Hexachloro-1,3-Butadiene	13.892	225	12468	0.570	ppbv	100
79) Naphthalene	13.526	128	10968	0.208	ppbv	97
80) Naphthalene,2-methyl-	14.475	142	1343	0.098	ppbv #	88
81) 1,2,4-Trichlorobenzene	13.449	180	4915	0.225	ppbv	96

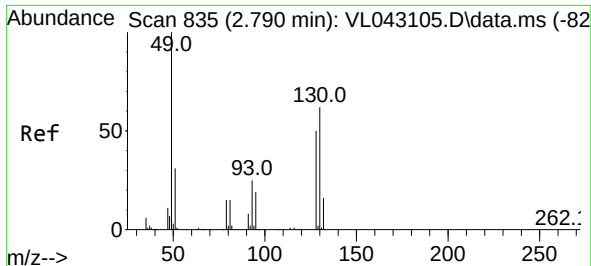
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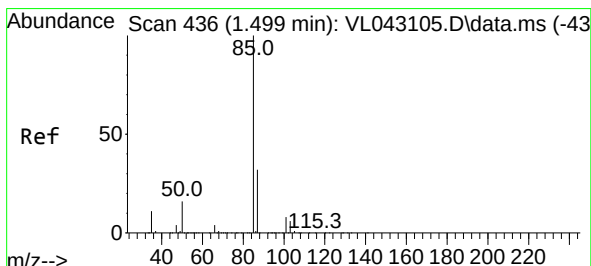
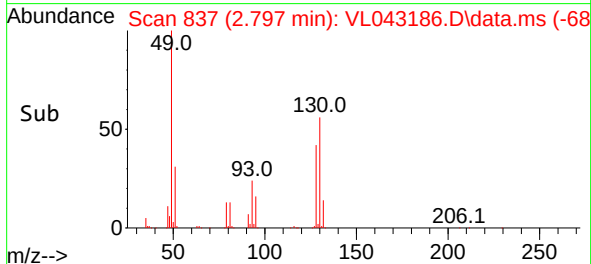
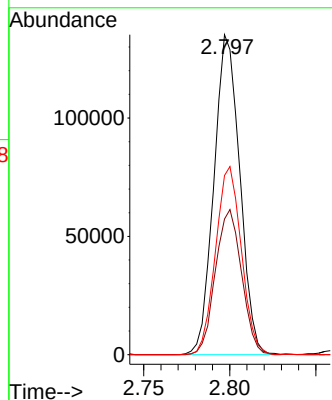
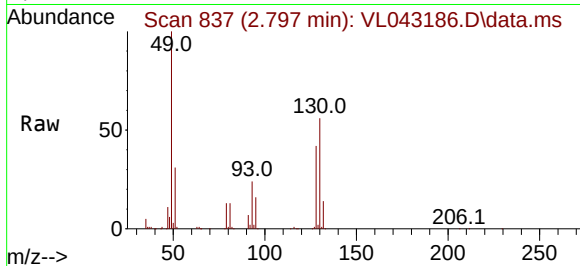




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL043186.D
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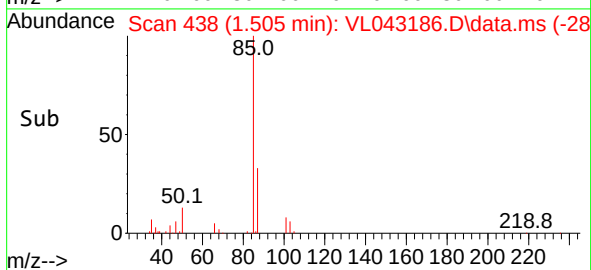
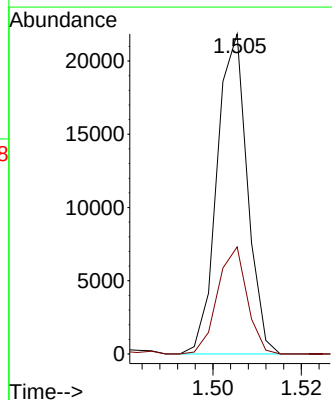
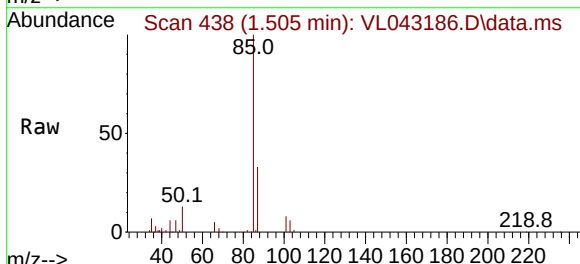
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MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

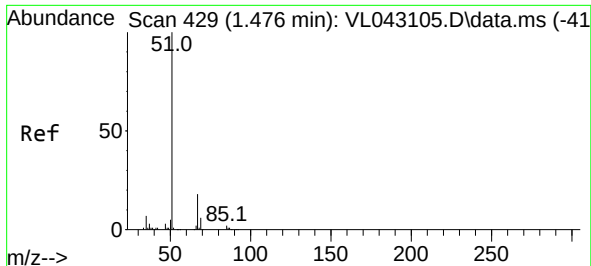
Tgt Ion: 49 Resp: 141468
Ion Ratio Lower Upper
49 100
128 45.9 24.4 73.4
130 58.6 31.0 93.0



#2
Dichlorodifluoromethane
Concen: 0.518 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.006 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion: 85 Resp: 10416
Ion Ratio Lower Upper
85 100
87 33.5 25.3 37.9

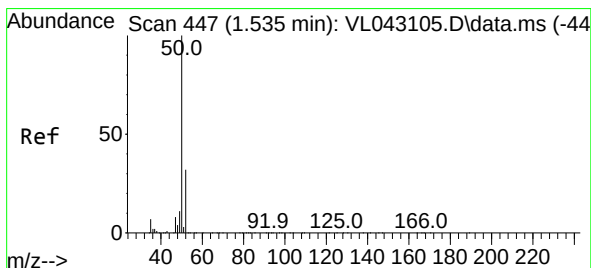
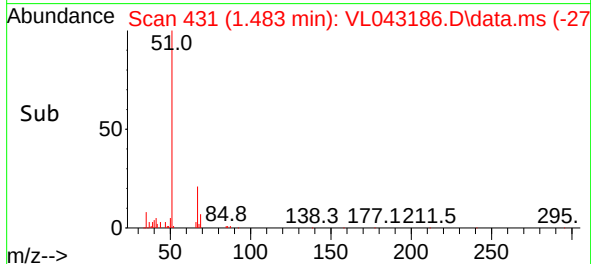
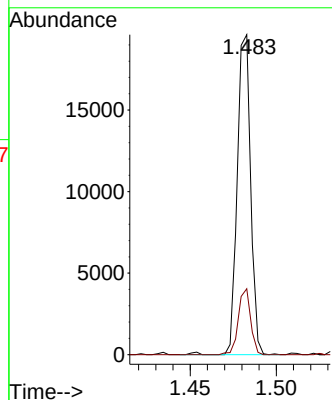
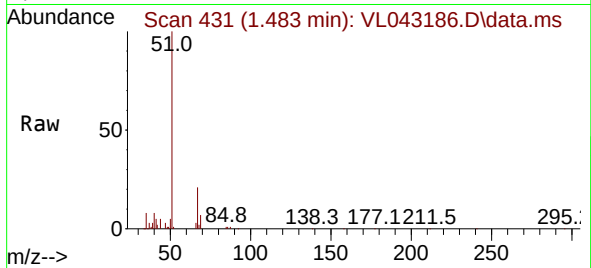




#3
Chlorodifluoromethane
Concen: 0.487 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

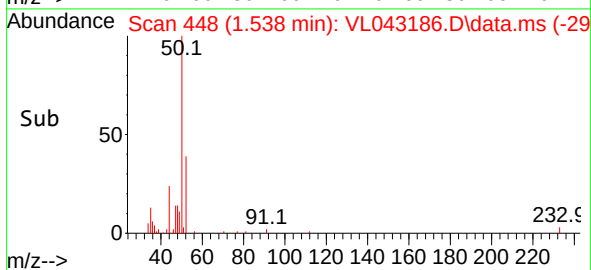
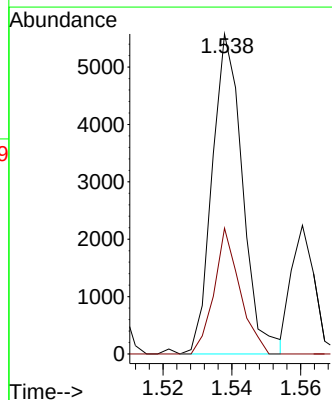
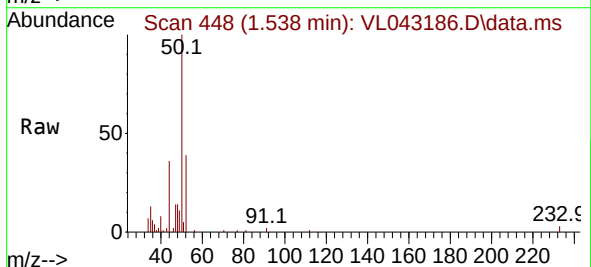
Instrument :
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ClientSampleId :
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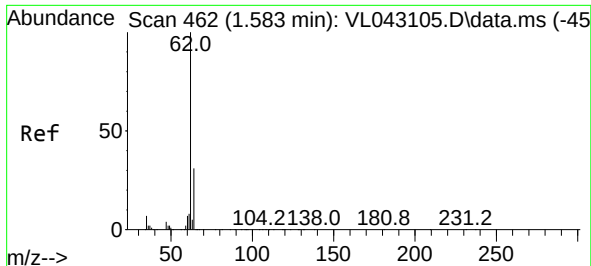
Tgt Ion: 51 Resp: 10604
Ion Ratio Lower Upper
51 100
67 18.9 15.1 22.7



#4
Chloromethane
Concen: 0.431 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion: 50 Resp: 3431
Ion Ratio Lower Upper
50 100
52 39.3 25.2 37.8#

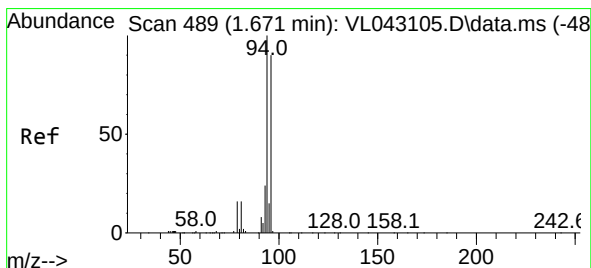
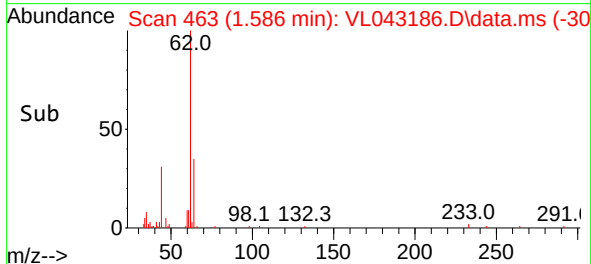
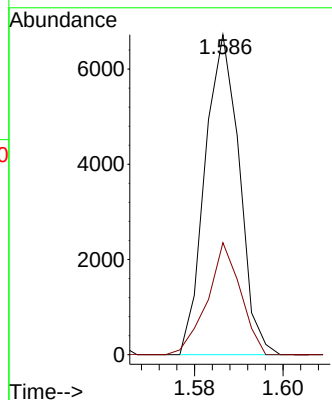
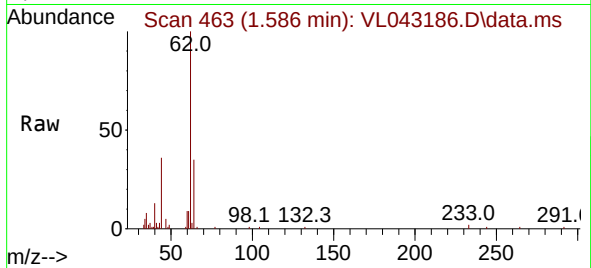




#5
 Vinyl Chloride
 Concen: 0.463 ppbv
 RT: 1.586 min Scan# 463
 Delta R.T. 0.003 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13

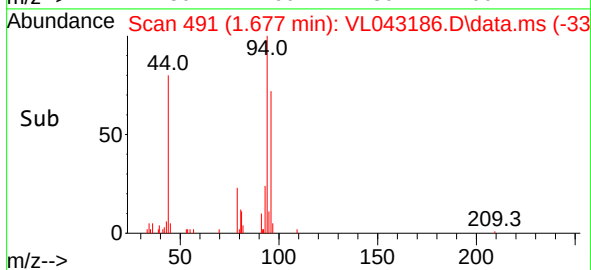
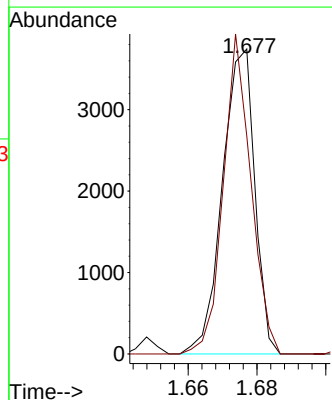
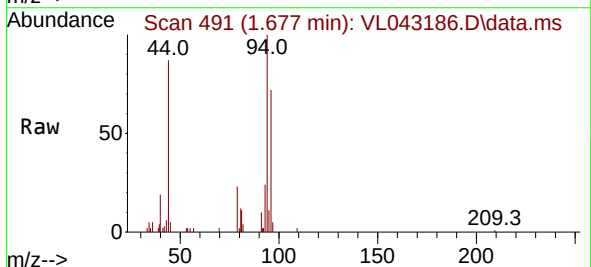
Instrument :
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 MDL-AIR-03-QT4-2025

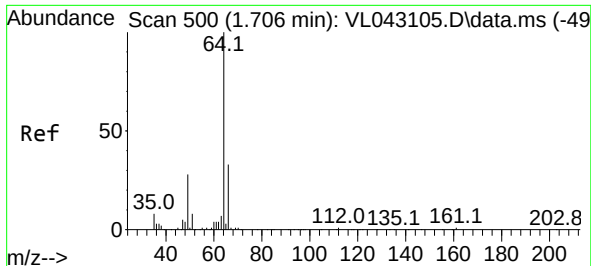
Tgt Ion: 62 Resp: 3617
 Ion Ratio Lower Upper
 62 100
 64 34.1 24.6 36.8



#6
 Bromomethane
 Concen: 0.570 ppbv
 RT: 1.677 min Scan# 491
 Delta R.T. 0.006 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13

Tgt Ion: 94 Resp: 2444
 Ion Ratio Lower Upper
 94 100
 96 71.6 72.2 108.4#

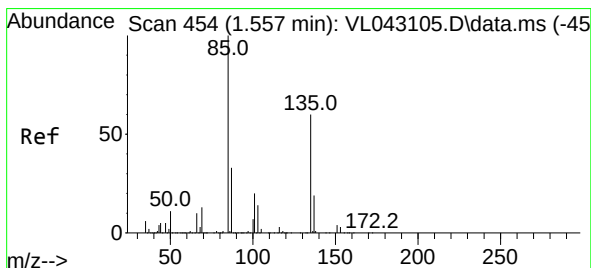
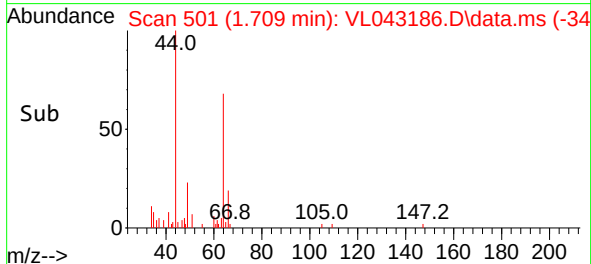
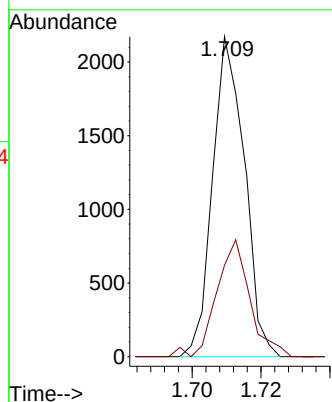
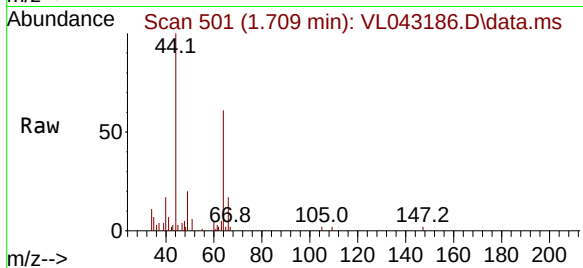




#7
Chloroethane
Concen: 0.437 ppbv
RT: 1.709 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

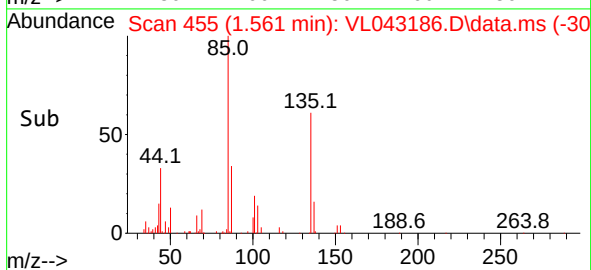
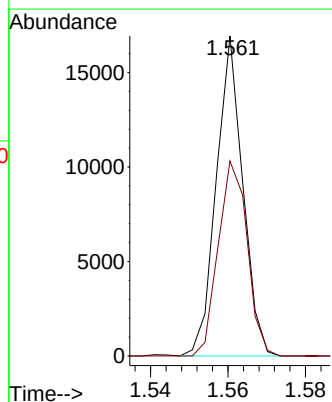
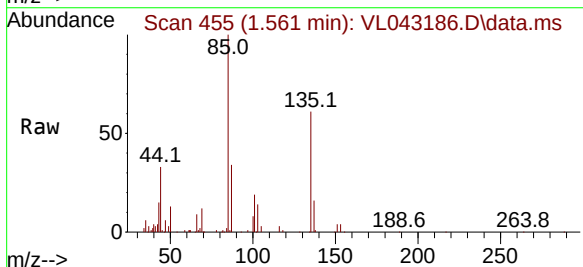
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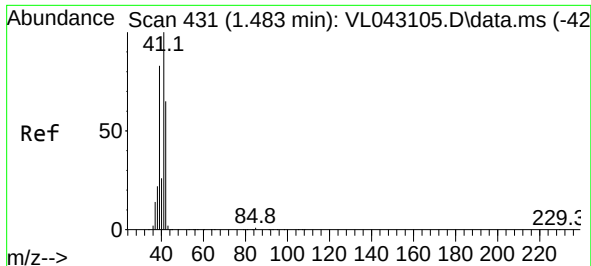
Tgt Ion: 64 Resp: 1395
Ion Ratio Lower Upper
64 100
66 32.2 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 0.495 ppbv
RT: 1.561 min Scan# 455
Delta R.T. 0.003 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion: 85 Resp: 8052
Ion Ratio Lower Upper
85 100
135 66.5 48.2 72.4





#9

Propene

Concen: 0.381 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL043186.D

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Instrument :

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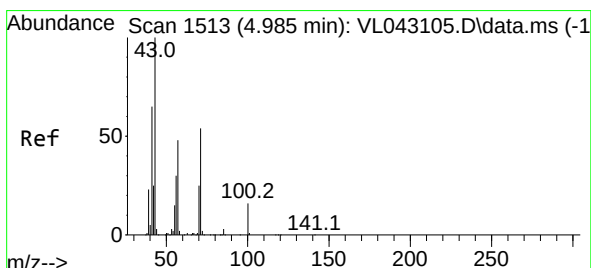
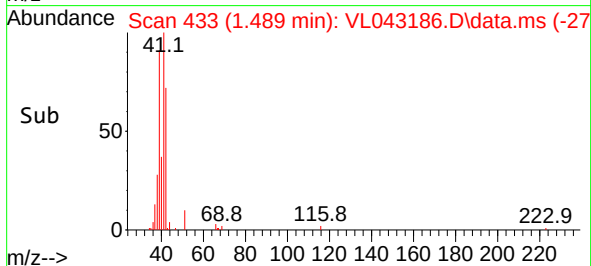
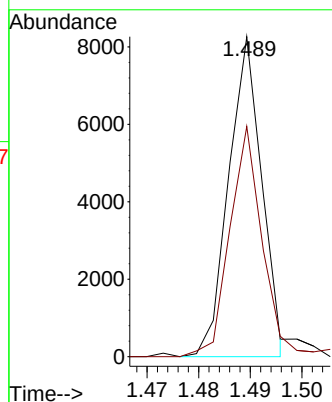
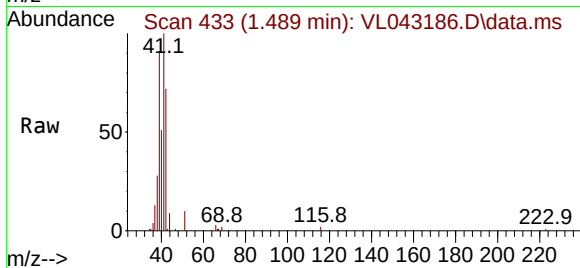
MDL-AIR-03-QT4-2025

Tgt Ion: 41 Resp: 3680

Ion Ratio Lower Upper

41 100

42 76.5 55.1 82.7



#10

Heptane

Concen: 0.150 ppbv

RT: 4.998 min Scan# 1517

Delta R.T. 0.013 min

Lab File: VL043186.D

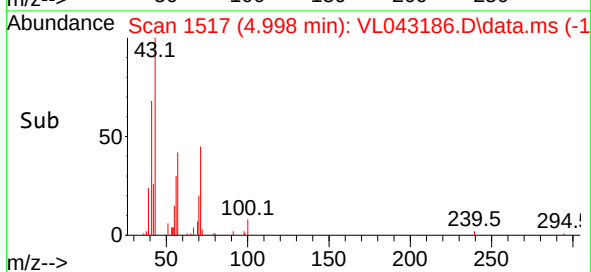
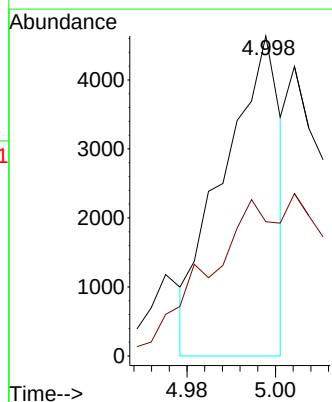
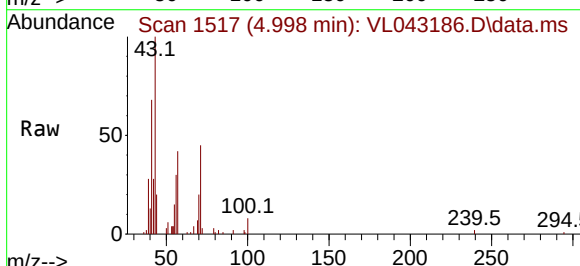
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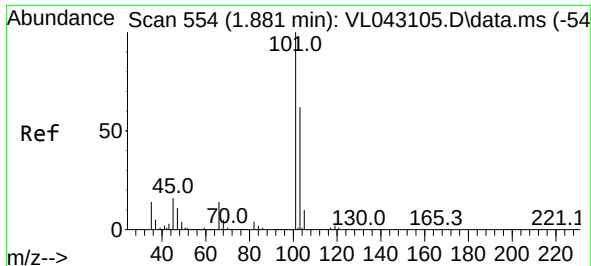
Tgt Ion: 43 Resp: 4166

Ion Ratio Lower Upper

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57 0.0 40.8 61.2#

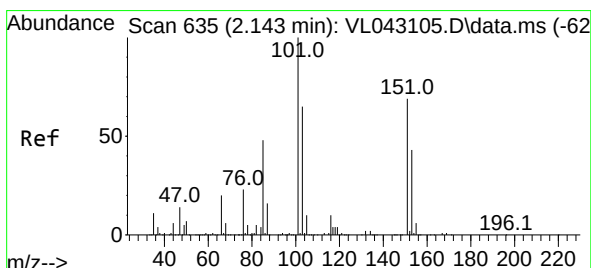
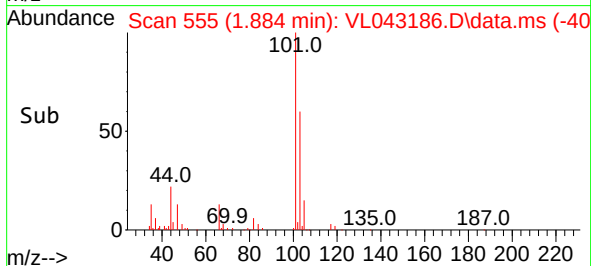
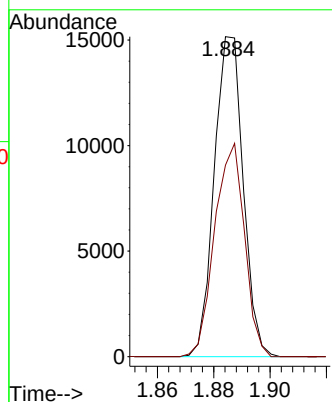
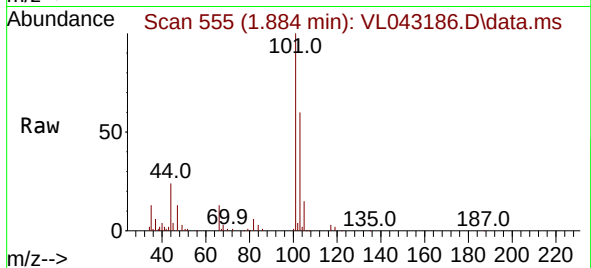




#11
Trichlorofluoromethane
Concen: 0.551 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

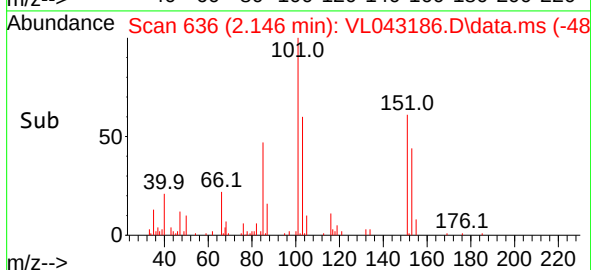
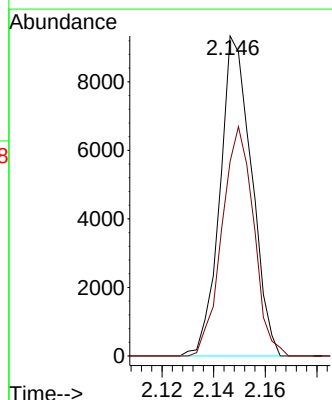
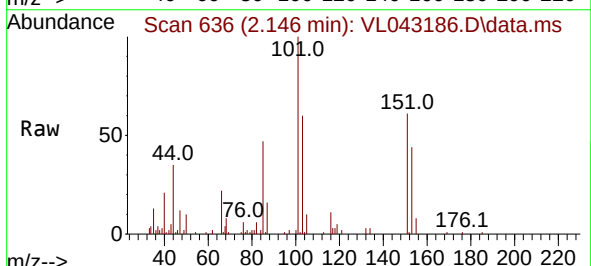
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

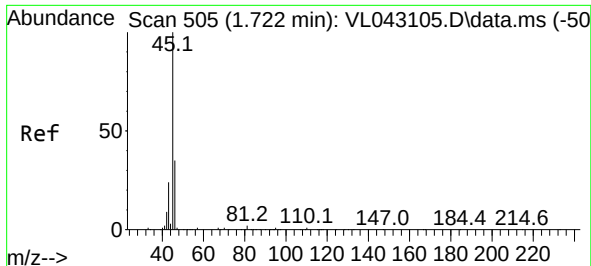
Tgt Ion:101 Resp: 10837
Ion Ratio Lower Upper
101 100
103 59.9 49.3 73.9



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.501 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.003 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion:101 Resp: 7939
Ion Ratio Lower Upper
101 100
151 72.0 54.7 82.1

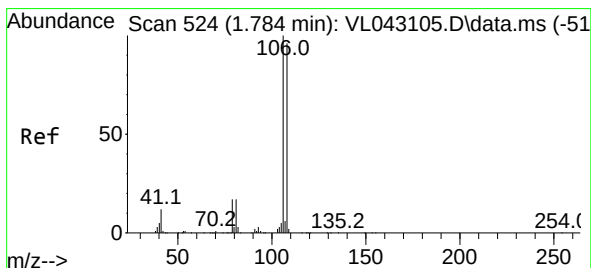
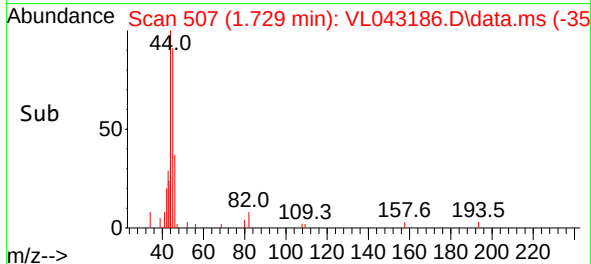
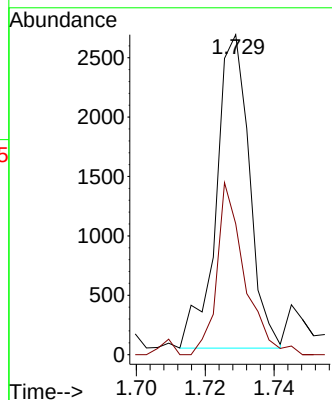
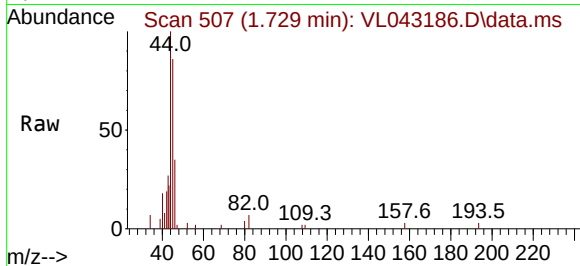




#13
 Ethanol
 Concen: 0.494 ppbv
 RT: 1.729 min Scan# 505
 Delta R.T. 0.006 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13

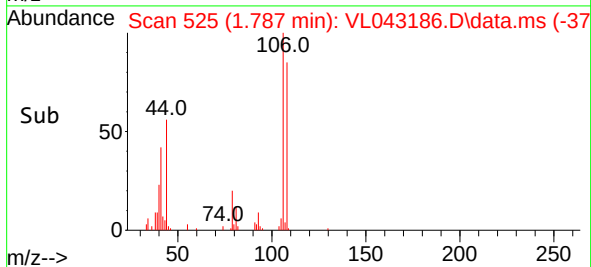
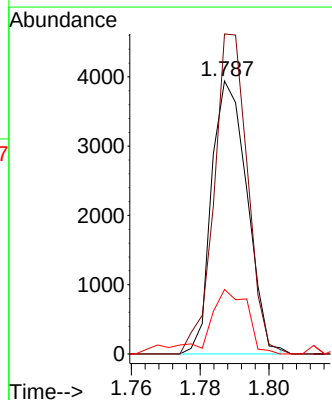
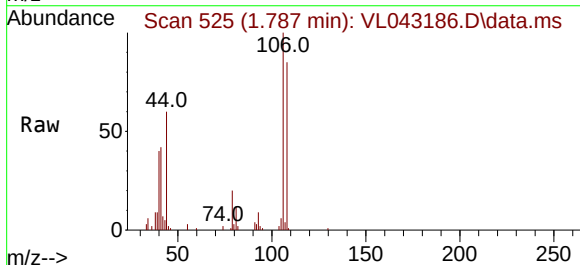
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025

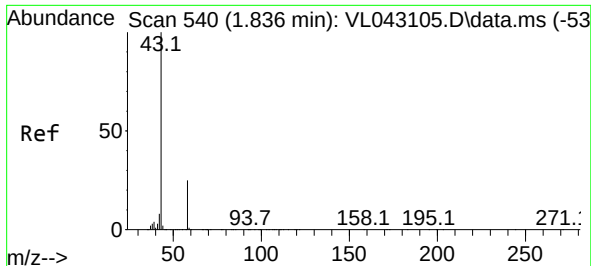
Tgt Ion: 45 Resp: 1763
 Ion Ratio Lower Upper
 45 100
 46 47.6 14.7 58.9



#14
 Bromoethene
 Concen: 0.480 ppbv
 RT: 1.787 min Scan# 525
 Delta R.T. 0.003 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13

Tgt Ion: 108 Resp: 2824
 Ion Ratio Lower Upper
 108 100
 106 110.4 84.4 126.6
 79 26.7 15.3 22.9

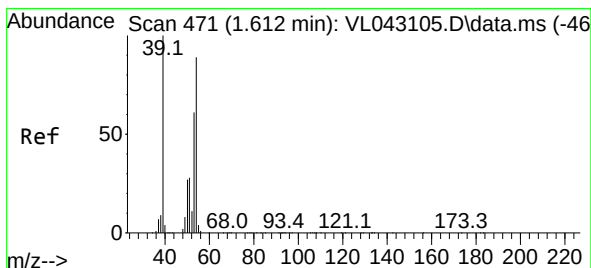
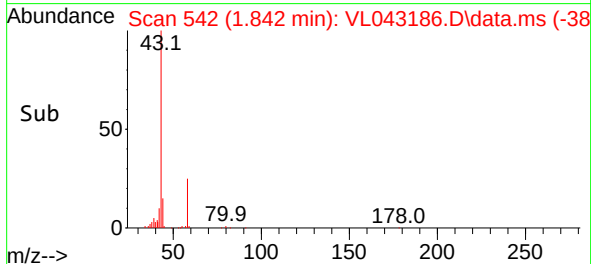
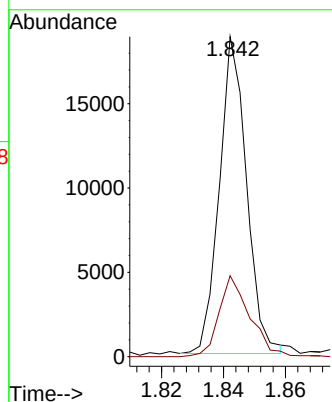
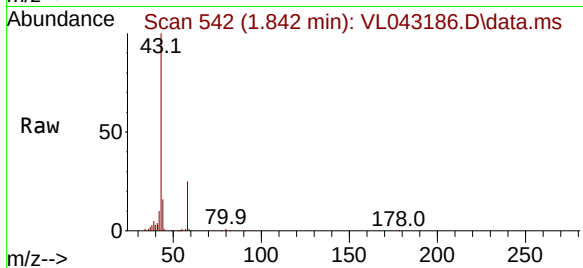




#15
Acetone
Concen: 0.601 ppbv
RT: 1.842 min Scan# 540
Delta R.T. 0.007 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

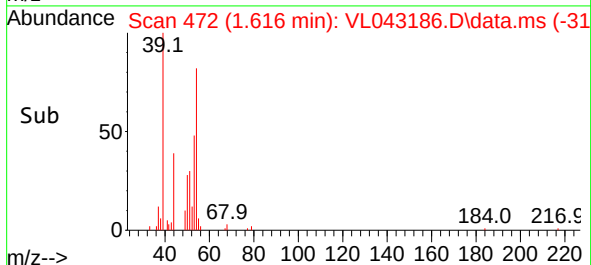
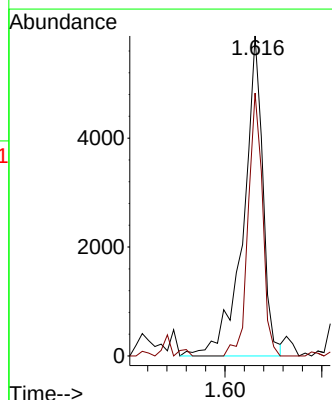
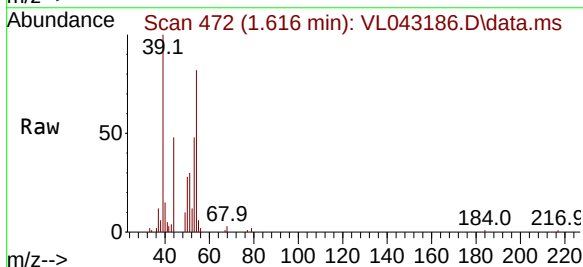
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

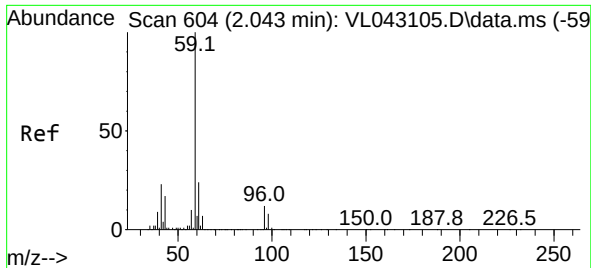
Tgt Ion: 43 Resp: 11469
Ion Ratio Lower Upper
43 100
58 29.1 20.8 31.2



#16
1,3-Butadiene
Concen: 0.454 ppbv
RT: 1.616 min Scan# 472
Delta R.T. 0.003 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion: 39 Resp: 4122
Ion Ratio Lower Upper
39 100
54 60.4 59.0 88.4

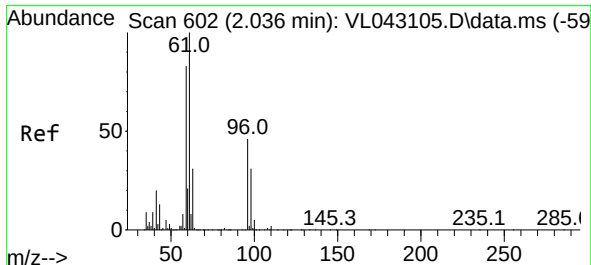
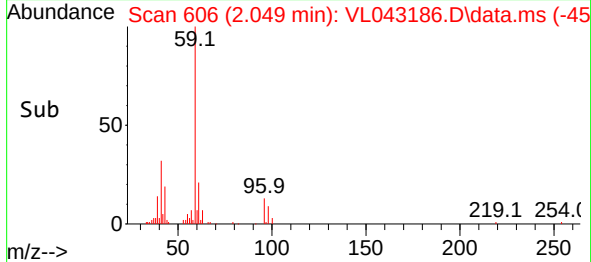
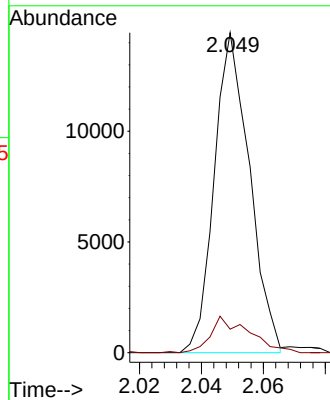
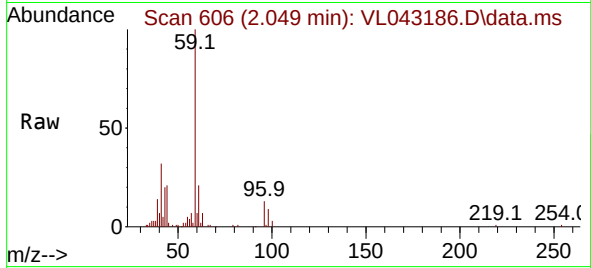




#17
tert-Butyl alcohol
Concen: 0.436 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.006 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

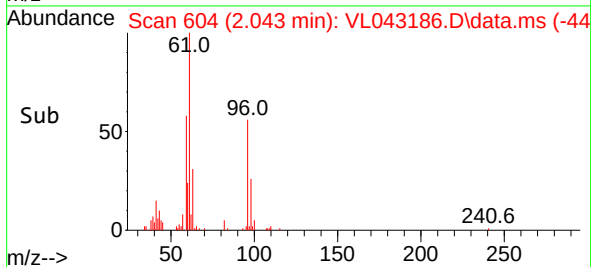
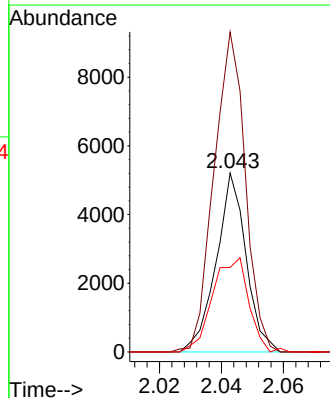
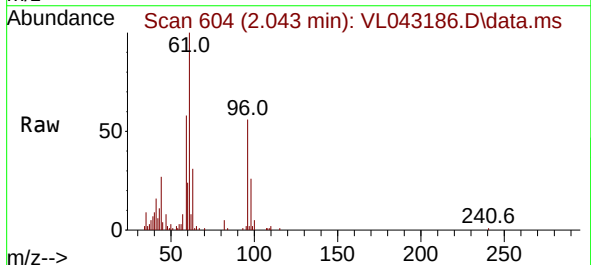
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

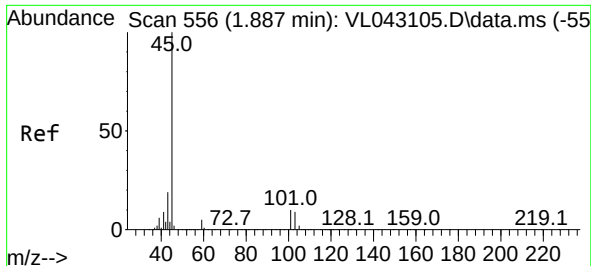
Tgt Ion: 59 Resp: 11410
Ion Ratio Lower Upper
59 100
57 12.8 8.2 12.4#



#18
1,1-Dichloroethene
Concen: 0.505 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.006 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion: 96 Resp: 3488
Ion Ratio Lower Upper
96 100
61 178.8 173.4 260.0
98 47.2 53.2 79.8#





#19

Isopropyl Alcohol

Concen: 0.506 ppbv

RT: 1.894 min Scan# 51

Delta R.T. 0.006 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Instrument :

MSVOA_L

ClientSampleId :

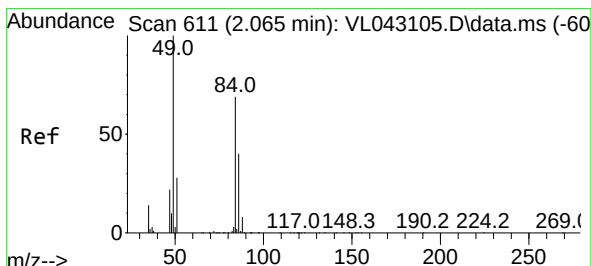
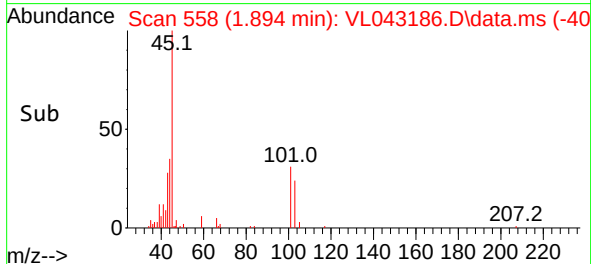
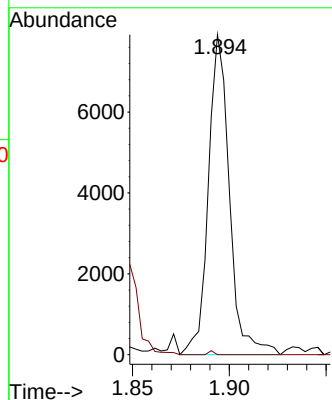
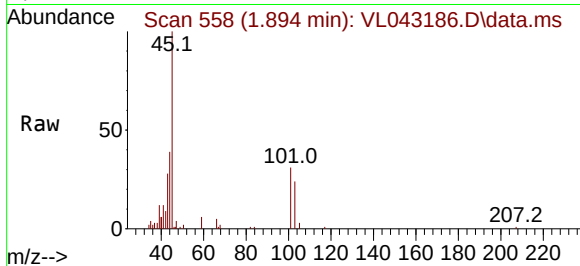
MDL-AIR-03-QT4-2025

Tgt Ion: 45 Resp: 6006

Ion Ratio Lower Upper

45 100

58 55.6 31.3 46.9#



#20

Methylene Chloride

Concen: 0.622 ppbv

RT: 2.069 min Scan# 612

Delta R.T. 0.003 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Tgt Ion: 84 Resp: 4691

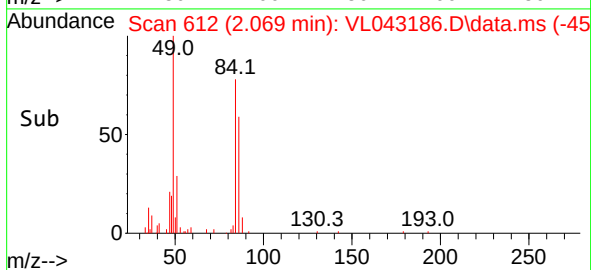
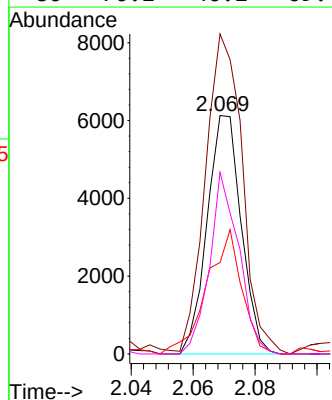
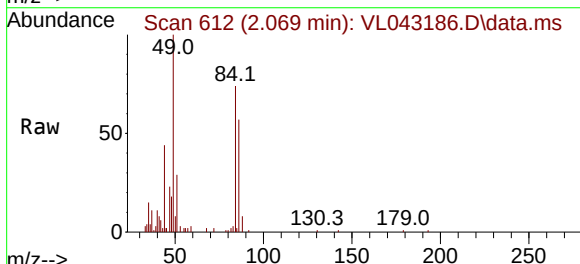
Ion Ratio Lower Upper

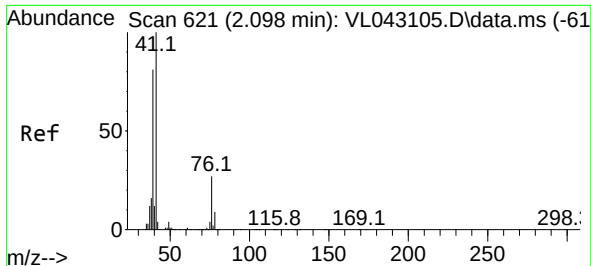
84 100

49 133.2 116.6 175.0

51 38.4 34.8 52.2

86 76.2 46.2 69.4#

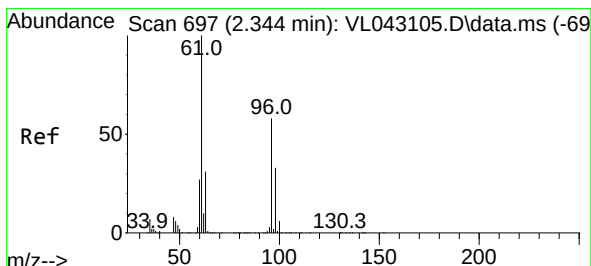
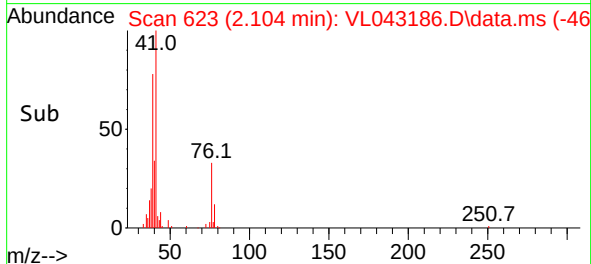
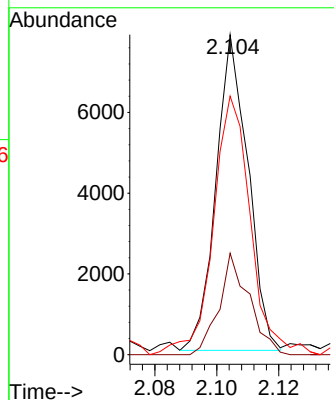
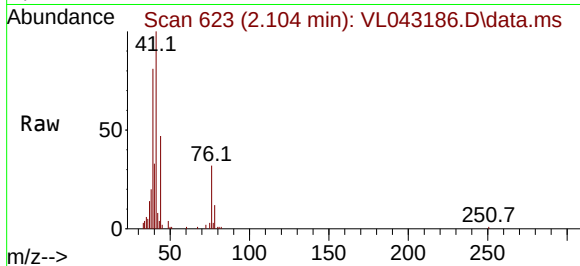




#21
 Allyl Chloride
 Concen: 0.400 ppbv
 RT: 2.104 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13

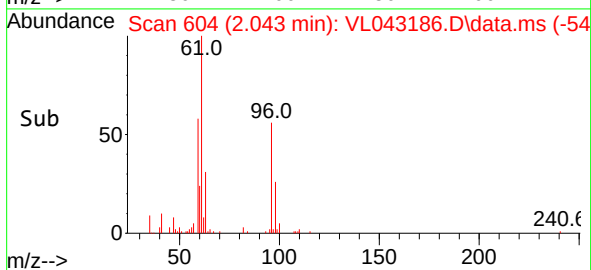
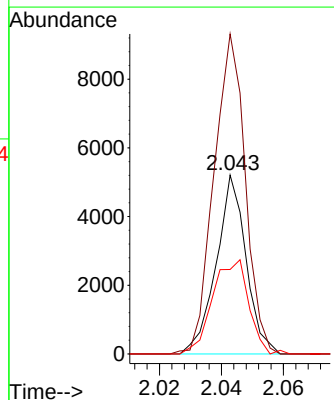
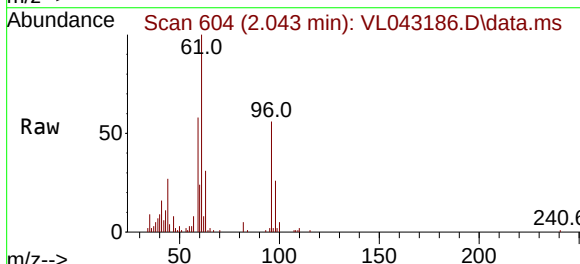
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025

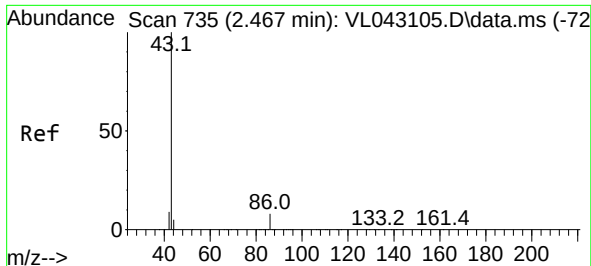
Tgt Ion: 41 Resp: 5619
 Ion Ratio Lower Upper
 41 100
 76 30.2 21.5 32.3
 39 102.5 60.8 91.2#



#22
 trans-1,2-Dichloroethene
 Concen: 0.423 ppbv
 RT: 2.043 min Scan# 604
 Delta R.T. -0.301 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13

Tgt Ion: 96 Resp: 3488
 Ion Ratio Lower Upper
 96 100
 61 178.8 137.0 205.6
 98 47.2 45.5 68.3

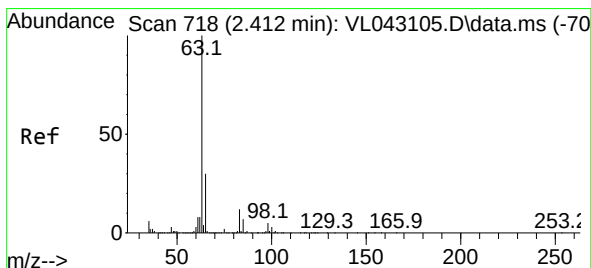
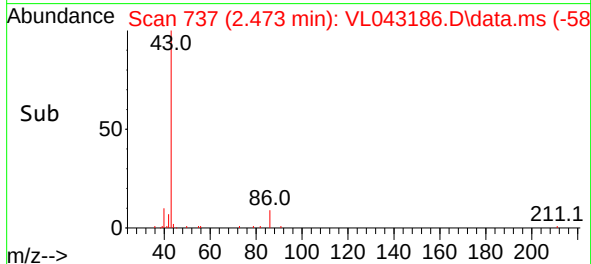
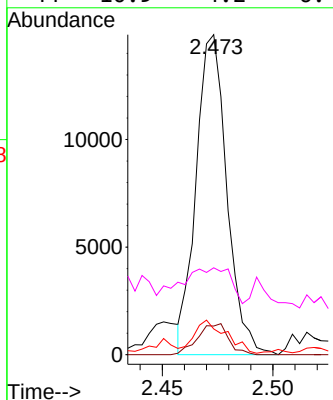
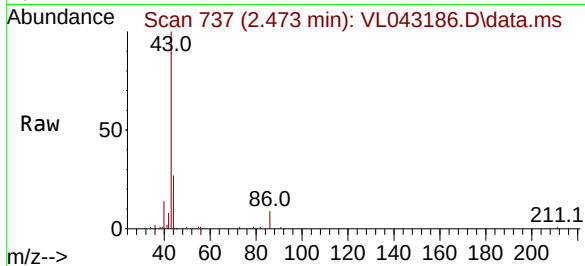




#23
 Vinyl Acetate
 Concen: 0.515 ppbv
 RT: 2.473 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13

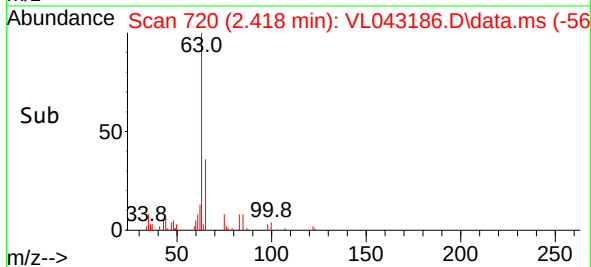
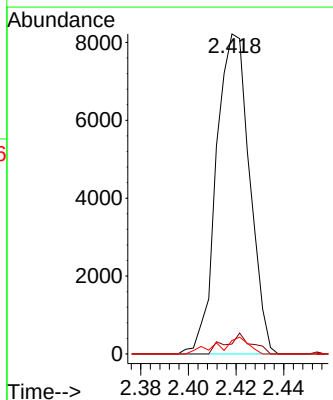
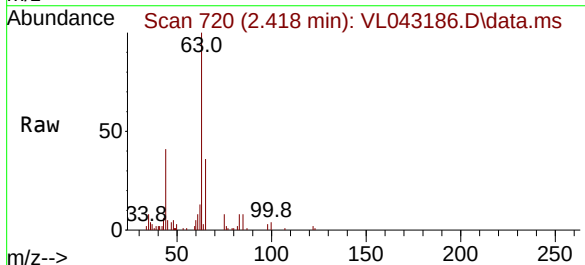
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025

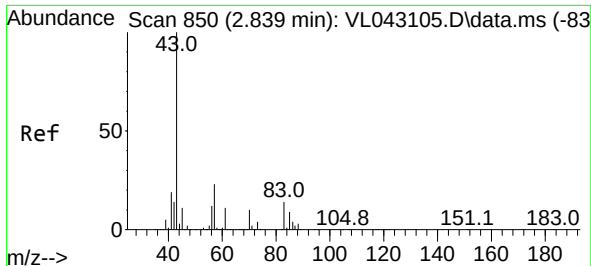
Tgt Ion:	43	Resp:	14378
Ion	Ratio	Lower	Upper
43	100		
86	9.0	6.2	9.2
42	6.4	7.6	11.4#
44	10.9	4.2	6.4#



#24
 1,1-Dichloroethane
 Concen: 0.499 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.006 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13

Tgt Ion:	63	Resp:	7950
Ion	Ratio	Lower	Upper
63	100		
98	3.1	2.6	7.8
100	4.2	1.5	4.4

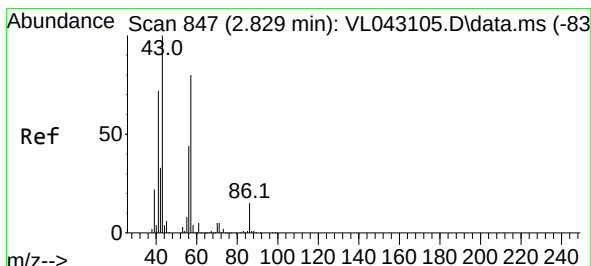
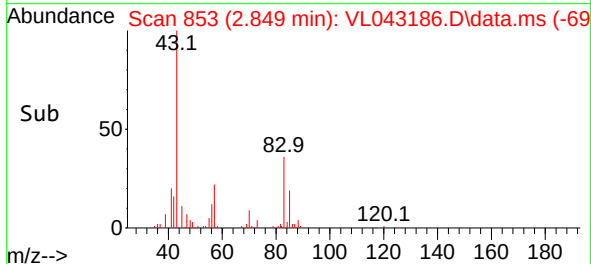
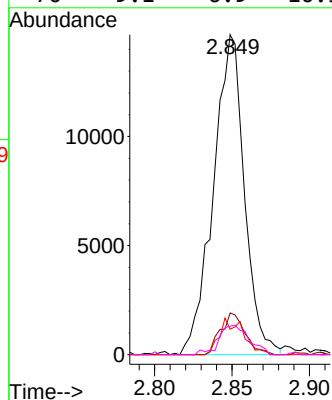
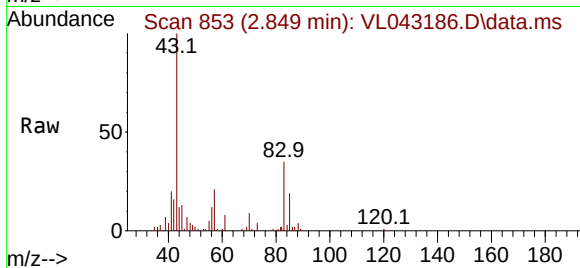




#25
Ethyl Acetate
Concen: 0.433 ppbv
RT: 2.849 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

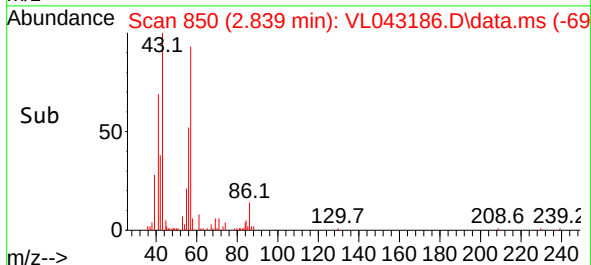
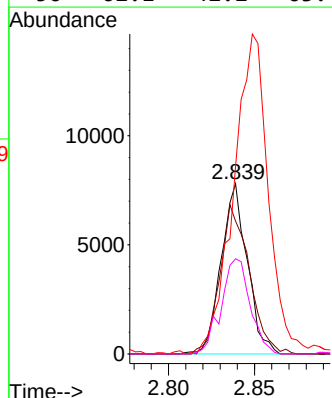
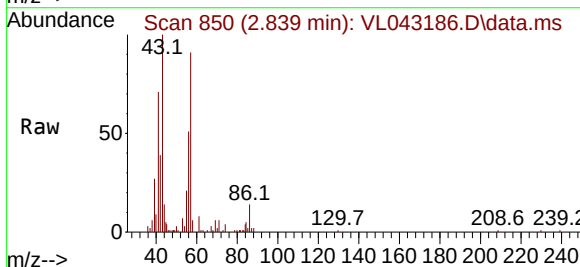
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

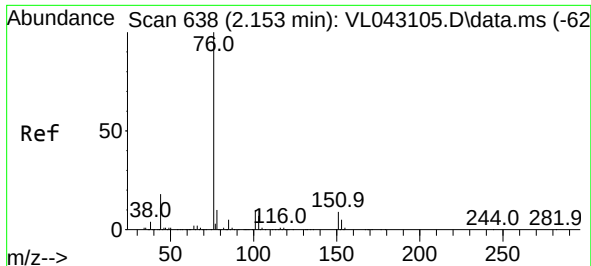
Tgt Ion: 43	Resp: 20457
Ion Ratio	Lower Upper
43 100	
45 10.3	7.8 11.8
61 8.7	7.0 10.6
70 9.1	6.9 10.3



#26
Hexane
Concen: 0.378 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.010 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion: 57	Resp: 8240
Ion Ratio	Lower Upper
57 100	
41 98.7	71.4 107.0
43 255.5	178.5 267.7
56 62.1	42.2 63.4

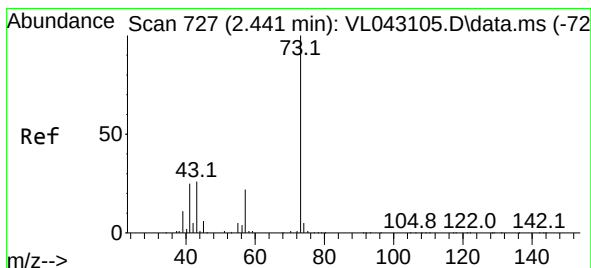
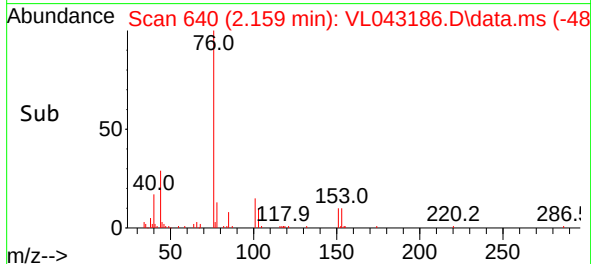
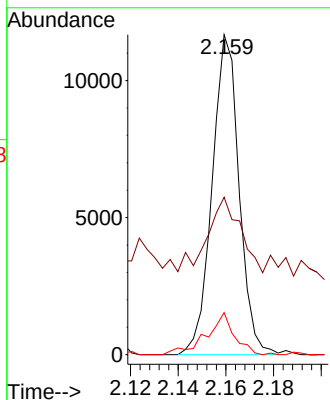
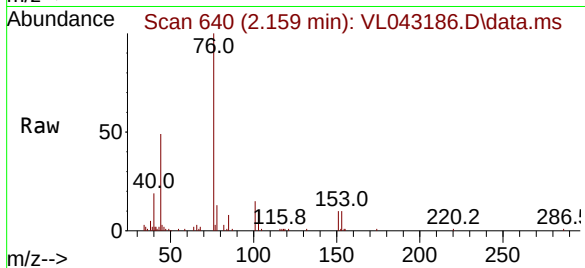




#27
Carbon Disulfide
Concen: 0.459 ppbv
RT: 2.159 min Scan# 640
Delta R.T. 0.006 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

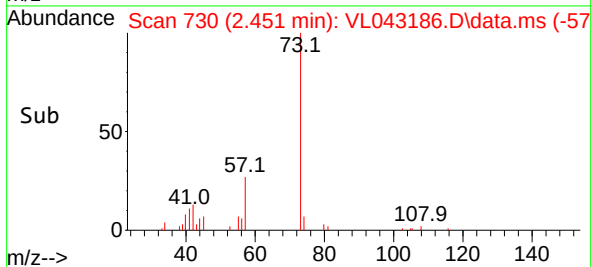
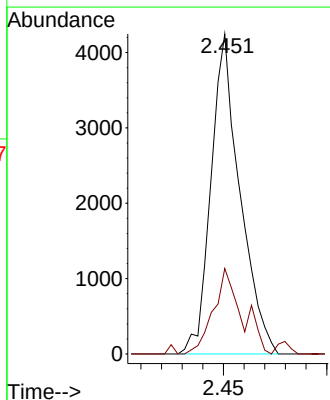
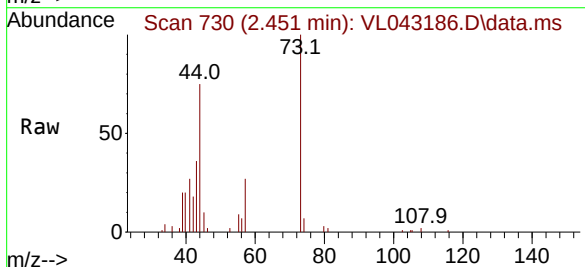
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

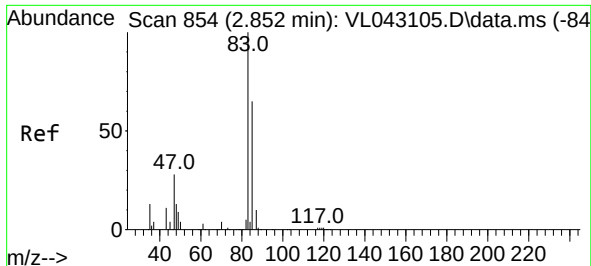
Tgt Ion: 76 Resp: 9164
Ion Ratio Lower Upper
76 100
44 75.1 16.7 25.1#
78 14.0 9.3 13.9#



#28
Methyl tert-Butyl Ether
Concen: 0.417 ppbv
RT: 2.451 min Scan# 730
Delta R.T. 0.010 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion: 73 Resp: 4135
Ion Ratio Lower Upper
73 100
57 28.5 20.5 30.7

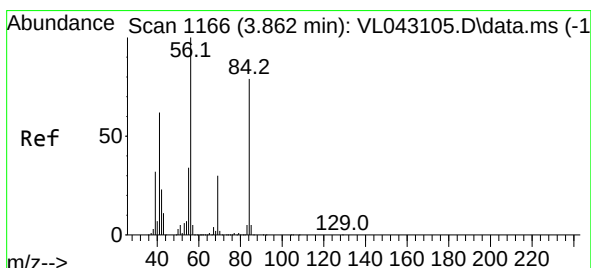
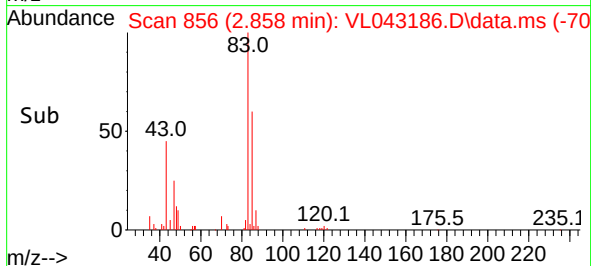
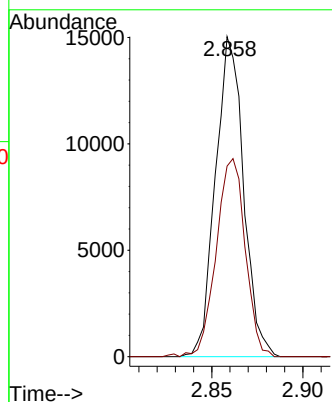
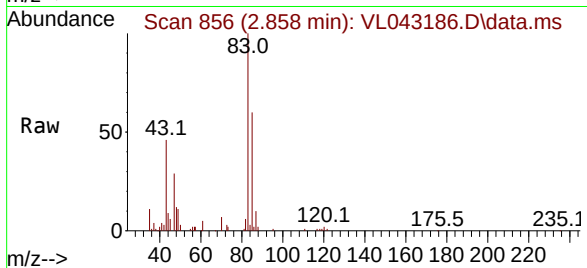




#29
Chloroform
Concen: 0.510 ppbv
RT: 2.858 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

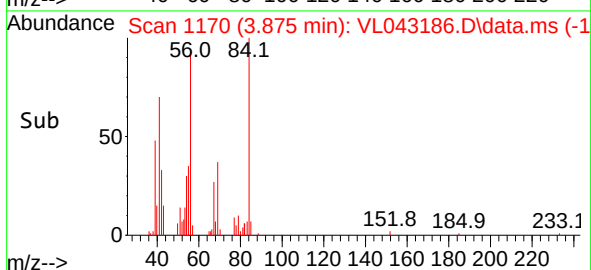
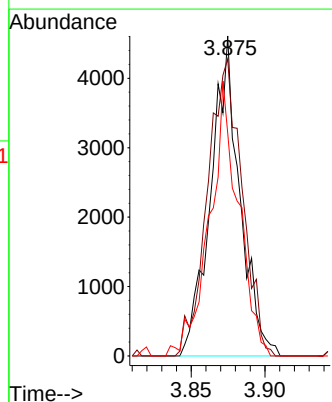
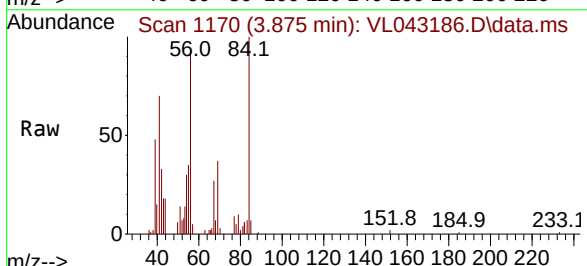
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

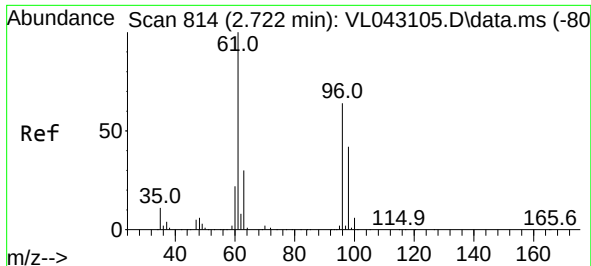
Tgt Ion: 83 Resp: 16090
Ion Ratio Lower Upper
83 100
85 59.5 51.8 77.6



#30
Cyclohexane
Concen: 0.331 ppbv
RT: 3.875 min Scan# 1170
Delta R.T. 0.013 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion: 84 Resp: 6302
Ion Ratio Lower Upper
84 100
56 110.6 100.9 151.3
41 86.2 63.8 95.6

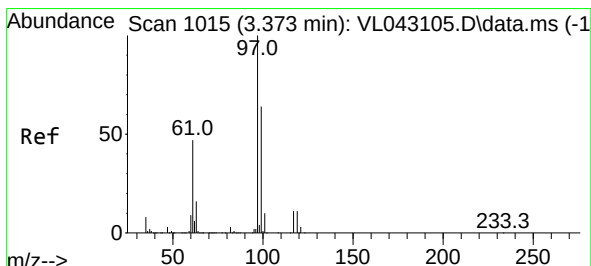
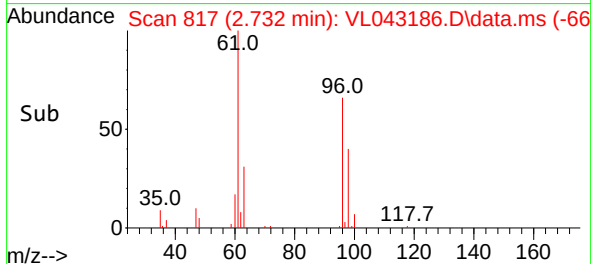
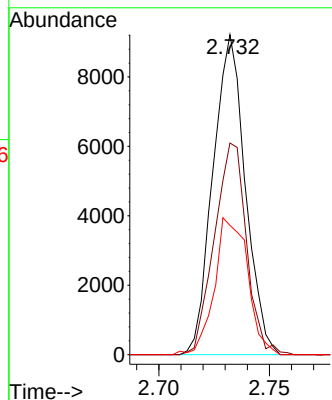
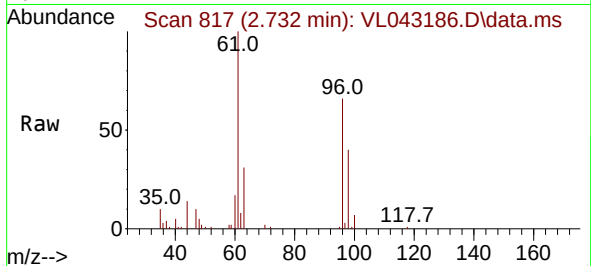




#31
 cis-1,2-Dichloroethene
 Concen: 0.450 ppbv
 RT: 2.732 min Scan# 814
 Delta R.T. 0.010 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13

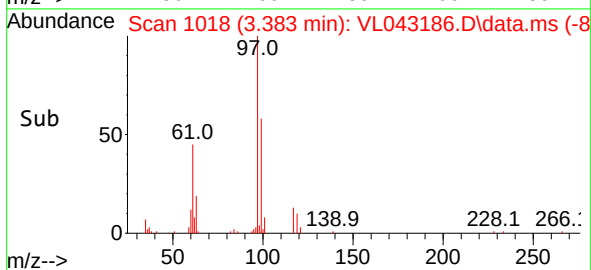
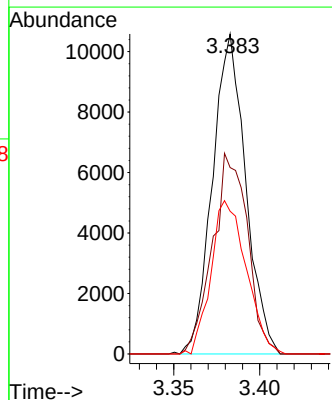
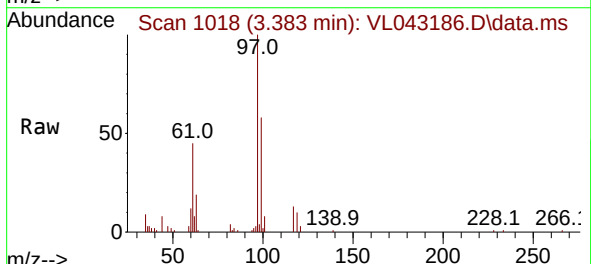
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025

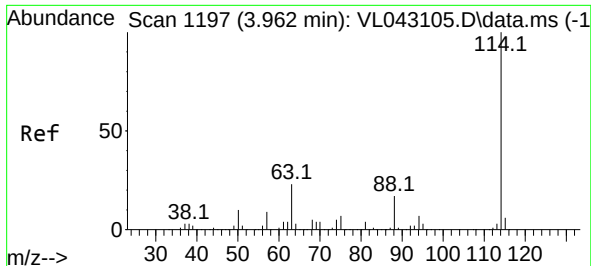
Tgt Ion: 61 Resp: 9372
 Ion Ratio Lower Upper
 61 100
 96 66.1 51.0 76.6
 98 40.4 33.5 50.3



#32
 1,1,1-Trichloroethane
 Concen: 0.432 ppbv
 RT: 3.383 min Scan# 1018
 Delta R.T. 0.010 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13

Tgt Ion: 97 Resp: 14207
 Ion Ratio Lower Upper
 97 100
 99 65.8 51.3 76.9
 61 50.9 38.4 57.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 1197

Delta R.T. 0.013 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

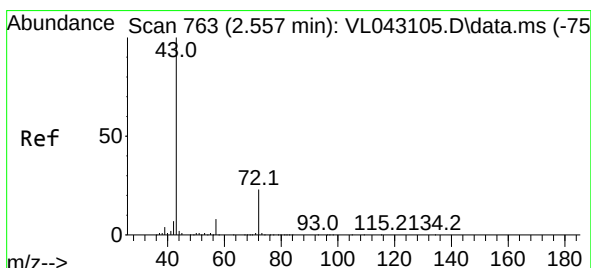
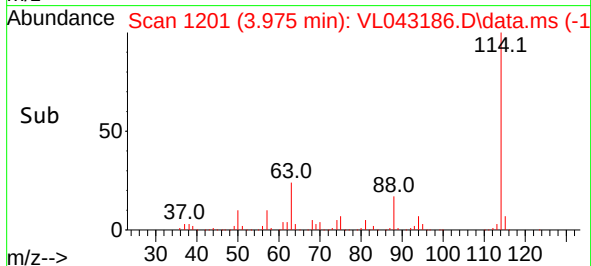
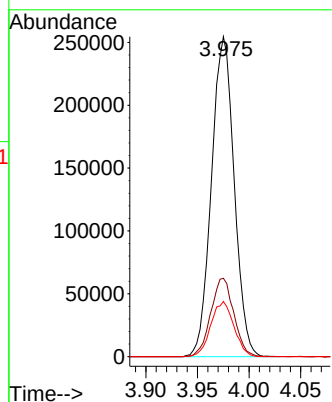
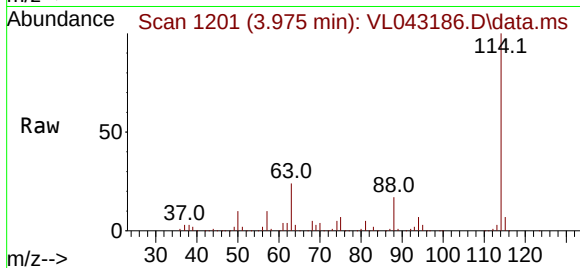
Tgt Ion:114 Resp: 389227

Ion Ratio Lower Upper

114 100

63 24.9 19.3 28.9

88 17.5 13.9 20.9



#34

2-Butanone

Concen: 0.585 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.013 min

Lab File: VL043186.D

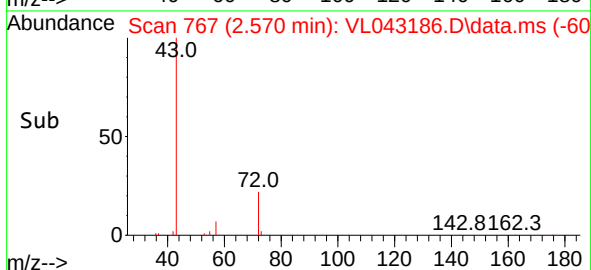
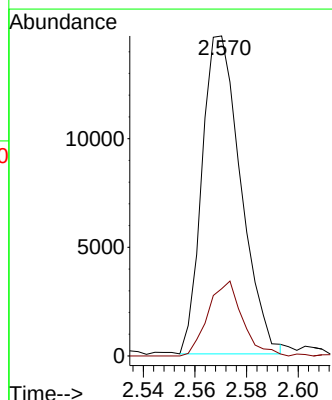
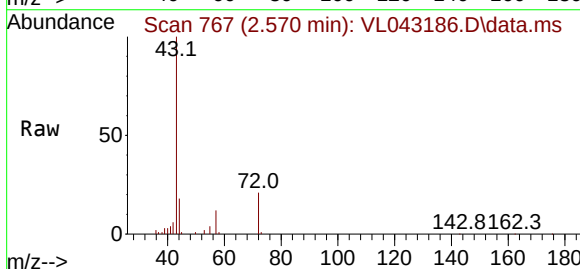
Acq: 11 Nov 2025 12:13

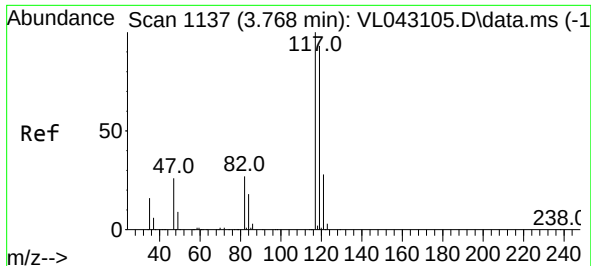
Tgt Ion: 43 Resp: 15299

Ion Ratio Lower Upper

43 100

72 21.1 18.4 27.6

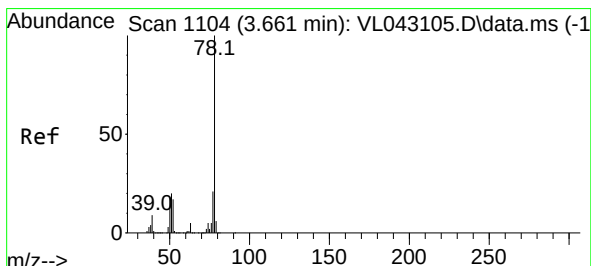
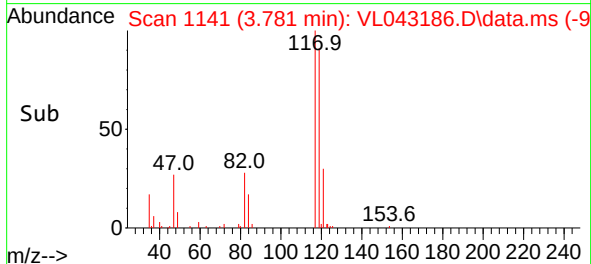
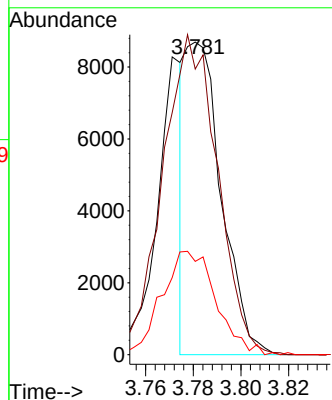
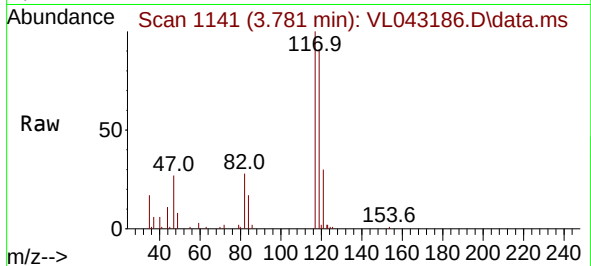




#35
Carbon Tetrachloride
Concen: 0.326 ppbv
RT: 3.781 min Scan# 1141
Delta R.T. 0.013 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

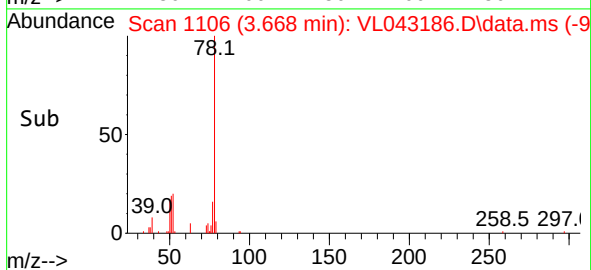
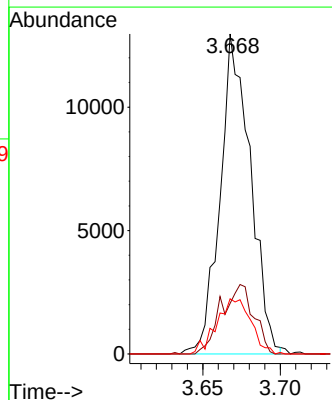
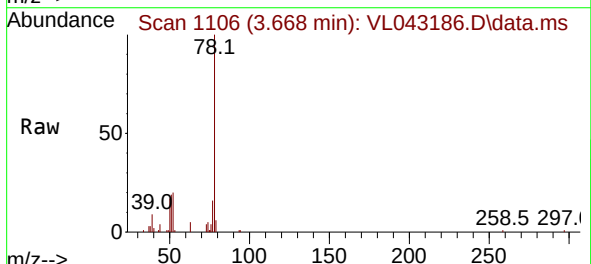
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

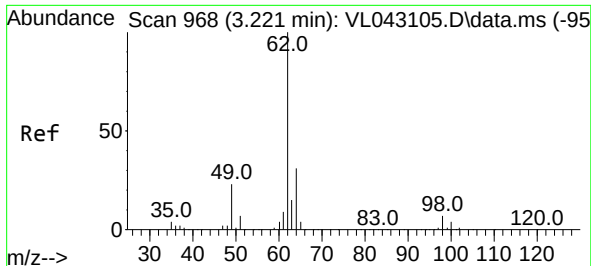
Tgt Ion:117	Resp:	9127
Ion Ratio	Lower	Upper
117	100	
119	90.7	74.1 111.1
121	29.8	22.2 33.2



#36
Benzene
Concen: 0.480 ppbv
RT: 3.668 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion: 78	Resp:	17591
Ion Ratio	Lower	Upper
78	100	
77	15.8	17.0 25.6#
50	17.3	14.6 22.0

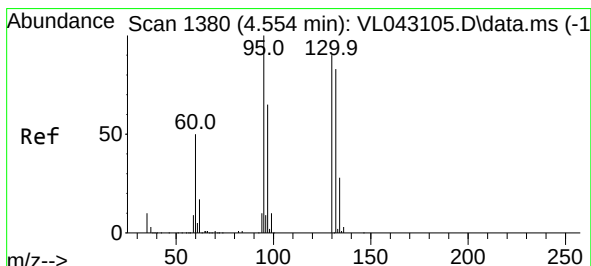
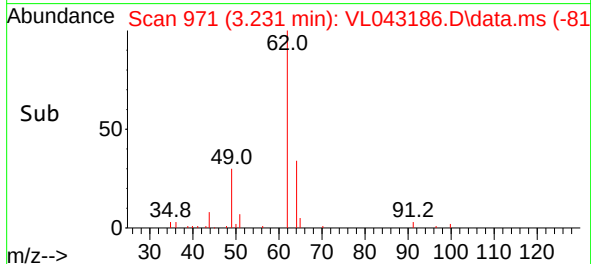
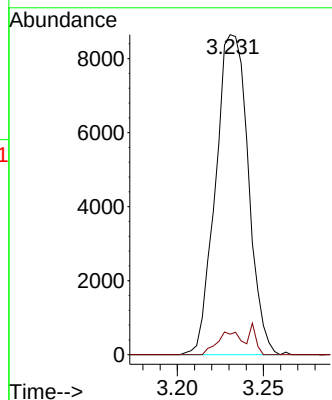
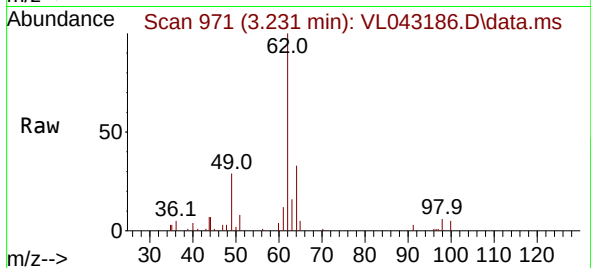




#37
1,2-Dichloroethane
Concen: 0.540 ppbv
RT: 3.231 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

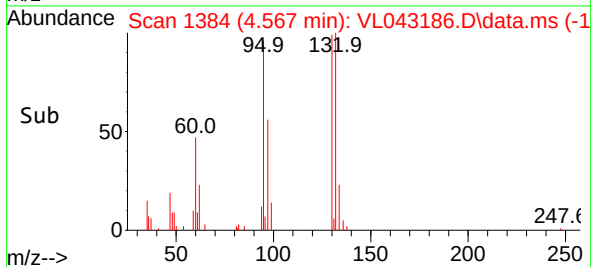
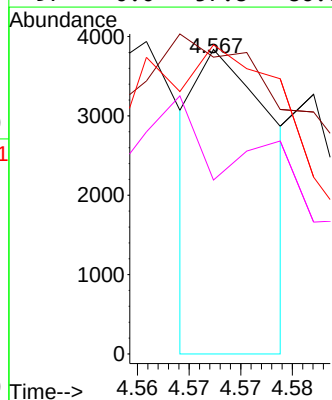
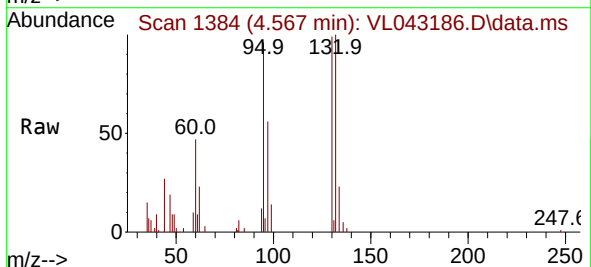
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

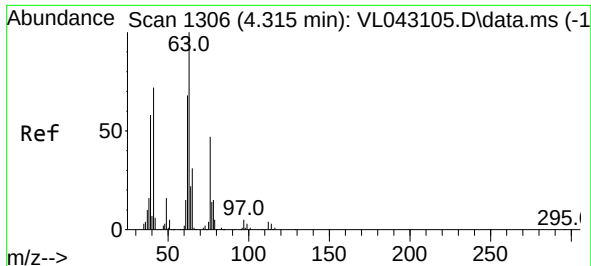
Tgt Ion: 62 Resp: 11414
Ion Ratio Lower Upper
62 100
98 7.3 5.8 8.6



#38
Trichloroethene
Concen: 0.128 ppbv
RT: 4.567 min Scan# 1384
Delta R.T. 0.013 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion:130 Resp: 1958
Ion Ratio Lower Upper
130 100
95 96.9 88.6 133.0
132 60.7 73.4 110.0#
97 0.0 57.8 86.6#





#39

1,2-Dichloropropane

Concen: 0.286 ppbv

RT: 4.331 min Scan# 1311

Delta R.T. 0.016 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

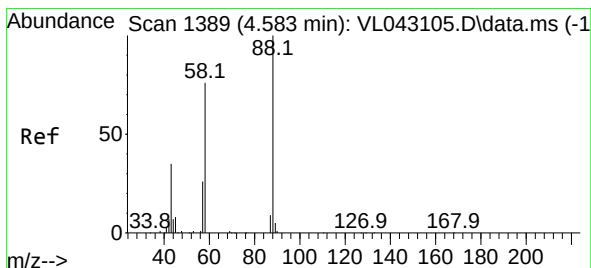
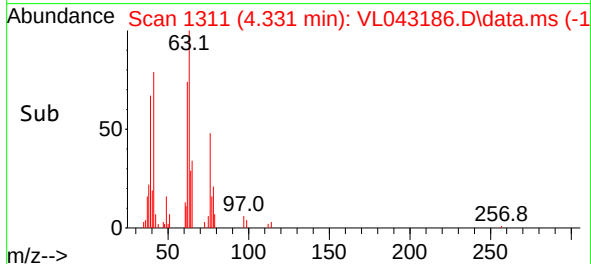
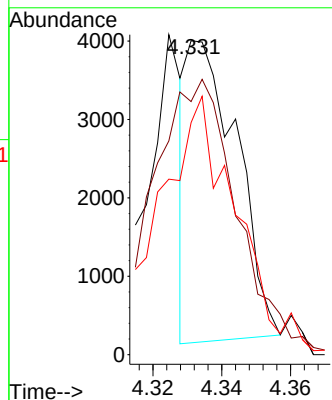
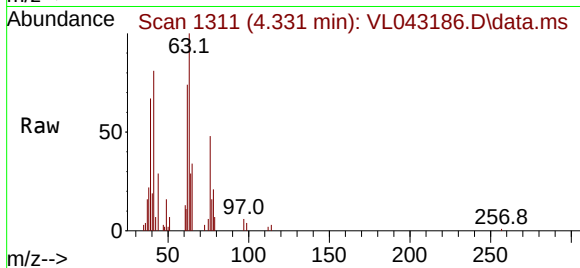
Tgt Ion: 63 Resp: 3829

Ion Ratio Lower Upper

63 100

41 70.5 58.0 87.0

62 71.7 54.7 82.1



#40

1,4-Dioxane

Concen: 0.187 ppbv

RT: 4.616 min Scan# 1399

Delta R.T. 0.032 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Tgt Ion: 88 Resp: 1123

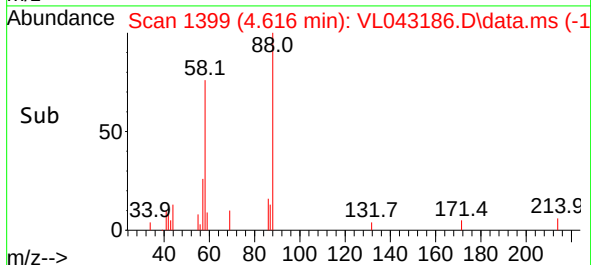
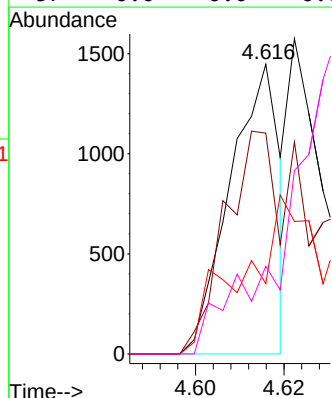
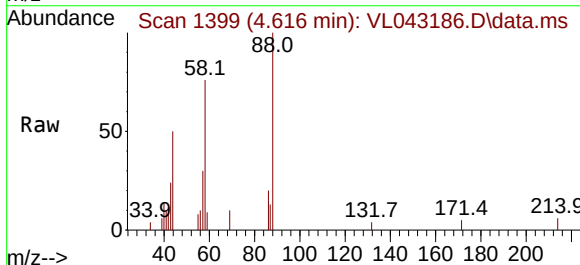
Ion Ratio Lower Upper

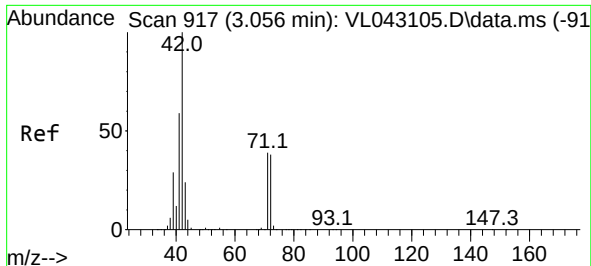
88 100

58 163.9 61.1 91.7#

43 0.0 24.0 36.0#

57 0.0 0.0 0.0

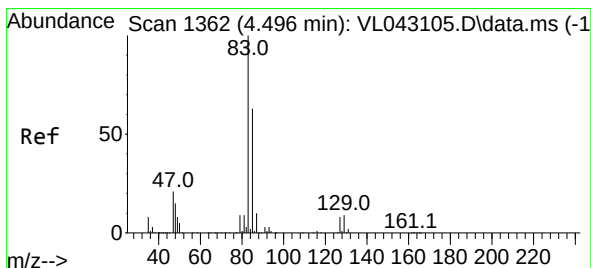
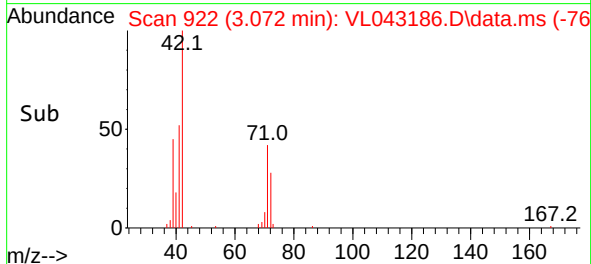
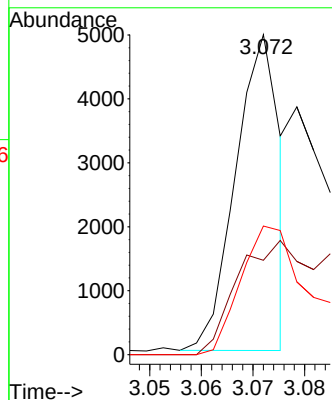
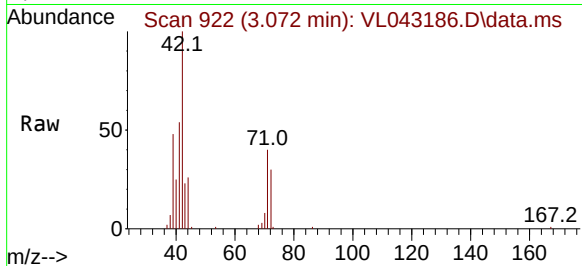




#41
Tetrahydrofuran
Concen: 0.202 ppbv
RT: 3.072 min Scan# 917
Delta R.T. 0.016 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

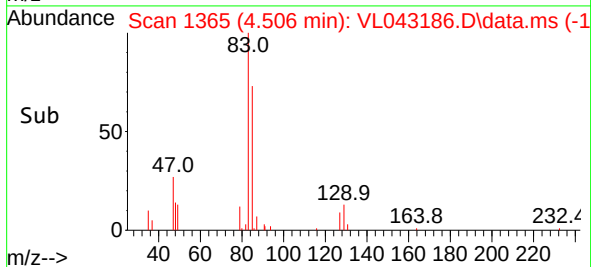
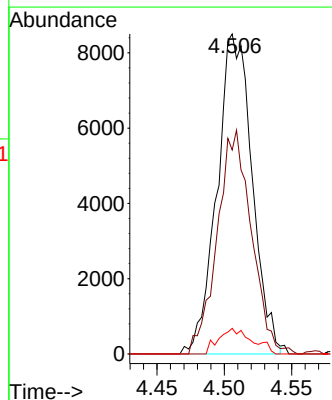
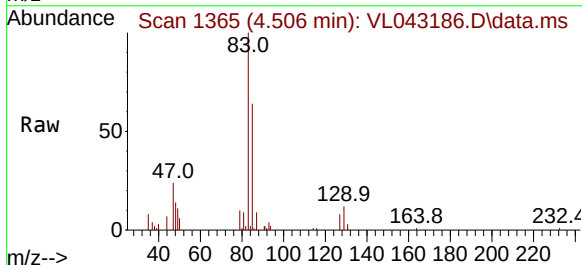
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

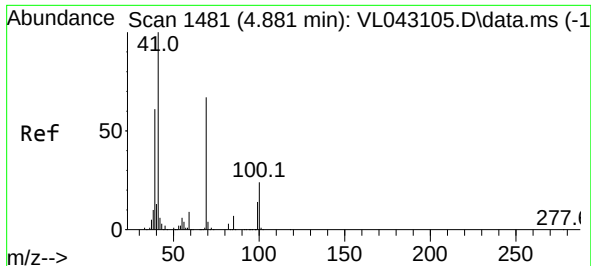
Tgt Ion: 42 Resp: 2949
Ion Ratio Lower Upper
42 100
72 0.0 31.3 46.9#
71 71.6 30.4 45.6#



#42
Bromodichloromethane
Concen: 0.527 ppbv
RT: 4.506 min Scan# 1365
Delta R.T. 0.010 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion: 83 Resp: 15418
Ion Ratio Lower Upper
83 100
85 63.8 50.6 75.8
127 8.0 6.3 9.5

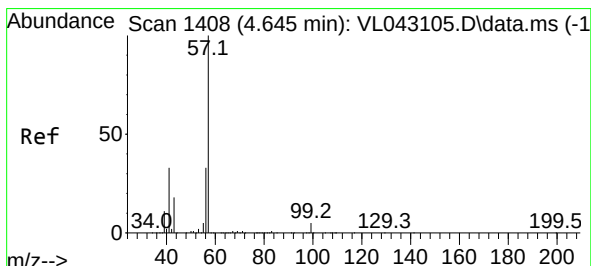
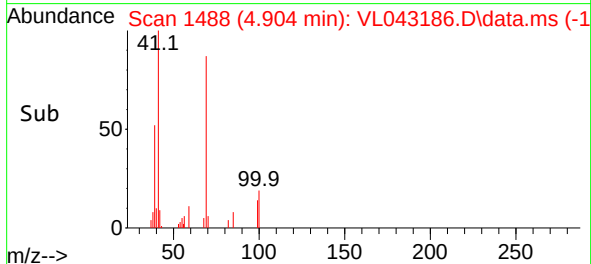
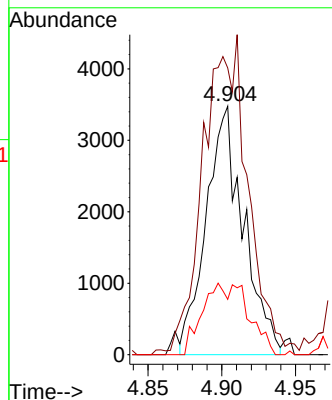
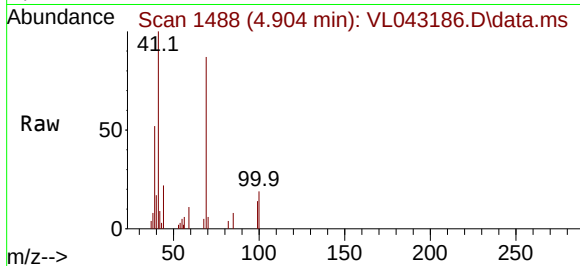




#43
Methyl Methacrylate
Concen: 0.329 ppbv
RT: 4.904 min Scan# 1413
Delta R.T. 0.023 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

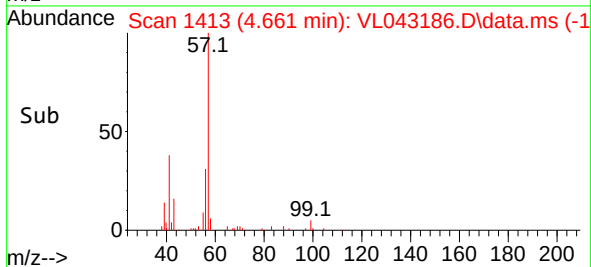
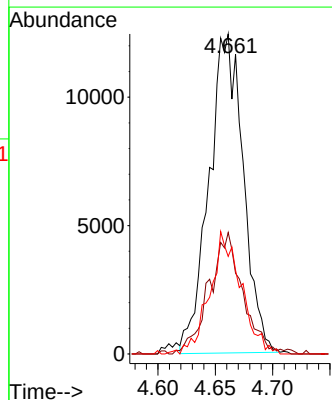
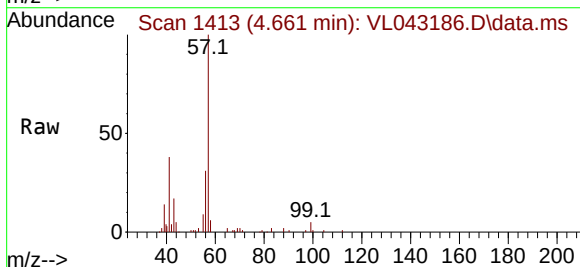
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

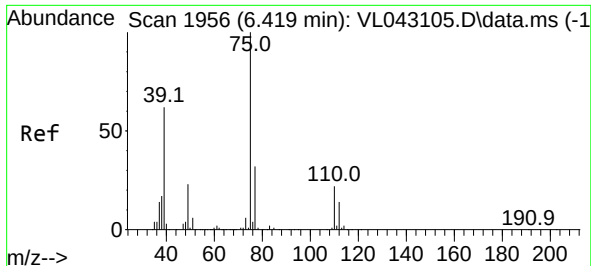
Tgt Ion:	69	Resp:	6127
Ion	Ratio	Lower	Upper
69	100		
41	153.3	120.5	180.7
100	35.7	29.0	43.4



#44
2,2,4-Trimethylpentane
Concen: 0.418 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. 0.016 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion:	57	Resp:	25844
Ion	Ratio	Lower	Upper
57	100		
41	37.8	26.3	39.5
56	35.1	25.9	38.9

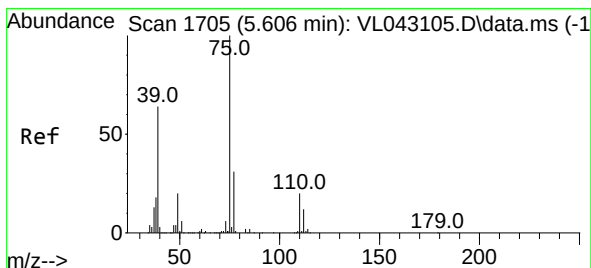
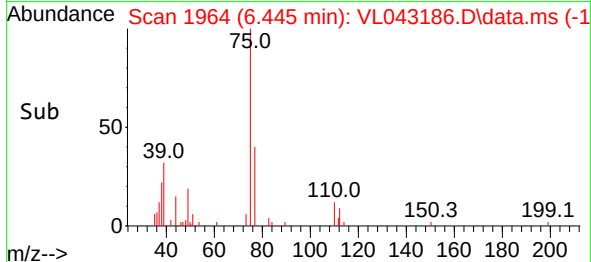
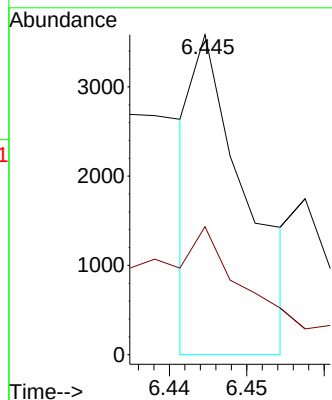
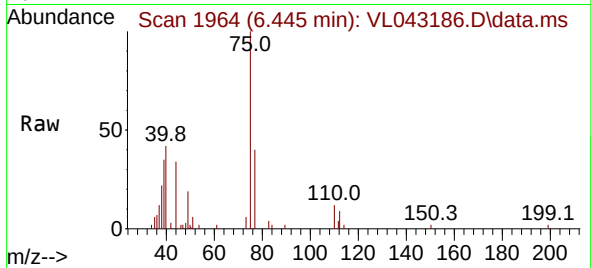




#45
 t-1,3-Dichloropropene
 Concen: 0.091 ppbv
 RT: 6.445 min Scan# 1956
 Delta R.T. 0.026 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13

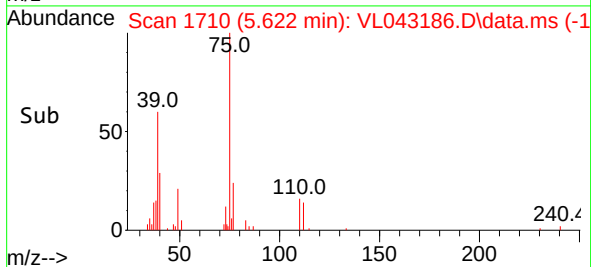
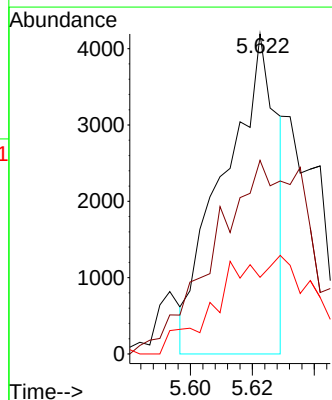
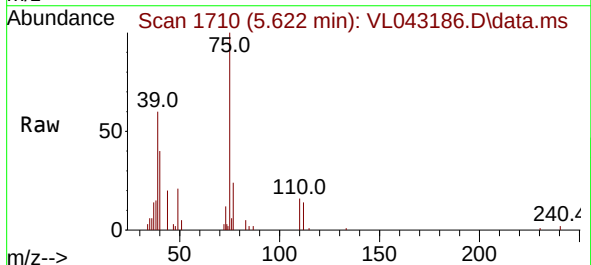
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025

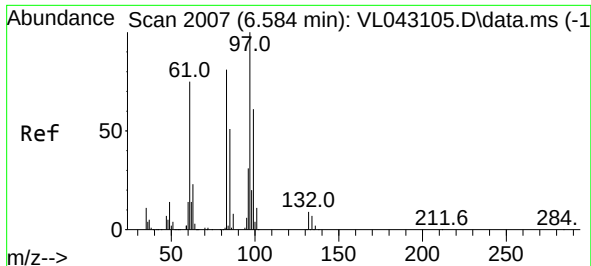
Tgt Ion: 75 Resp: 1692
 Ion Ratio Lower Upper
 75 100
 77 40.0 25.4 38.2#



#46
 cis-1,3-Dichloropropene
 Concen: 0.225 ppbv
 RT: 5.622 min Scan# 1710
 Delta R.T. 0.016 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13

Tgt Ion: 75 Resp: 5014
 Ion Ratio Lower Upper
 75 100
 39 56.6 51.0 76.6
 77 19.1 25.0 37.4#





#47

1,1,2-Trichloroethane

Concen: 0.507 ppbv

RT: 6.603 min Scan# 2007

Delta R.T. 0.019 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

Tgt Ion: 97 Resp: 7341

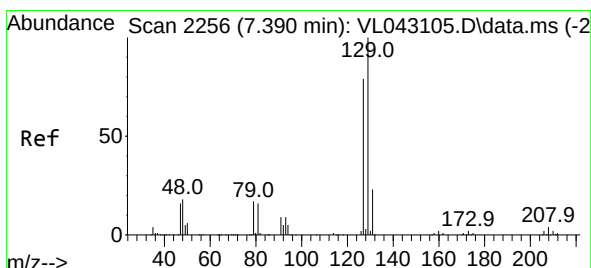
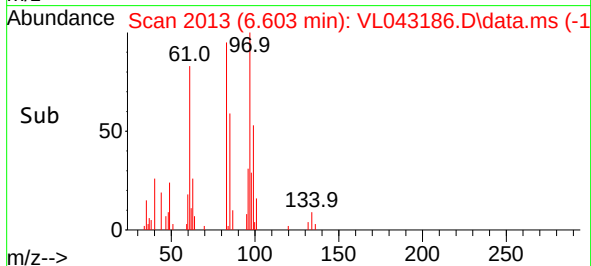
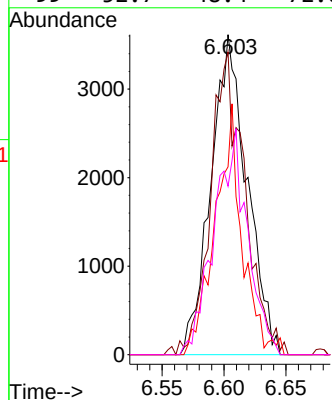
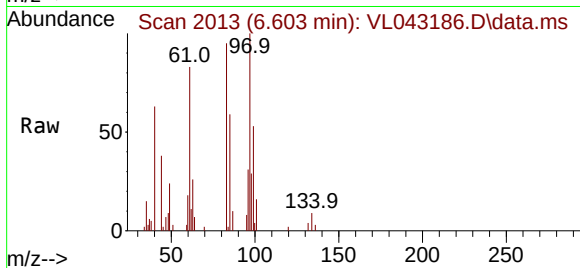
Ion Ratio Lower Upper

97 100

83 93.1 64.6 96.8

85 58.7 40.6 60.8

99 52.7 48.4 72.6



#48

Dibromochloromethane

Concen: 0.180 ppbv

RT: 7.409 min Scan# 2262

Delta R.T. 0.019 min

Lab File: VL043186.D

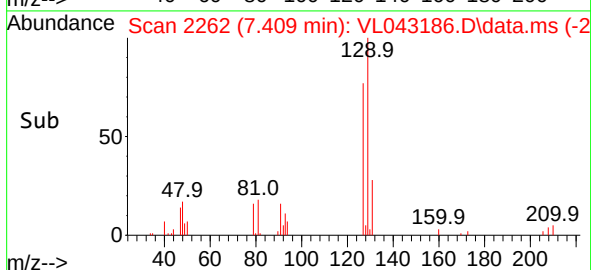
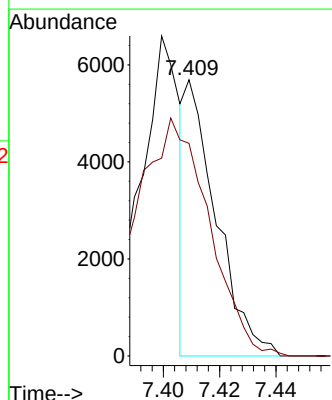
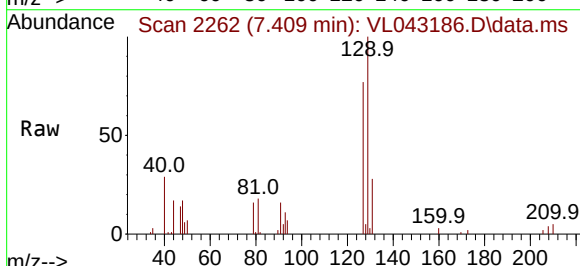
Acq: 11 Nov 2025 12:13

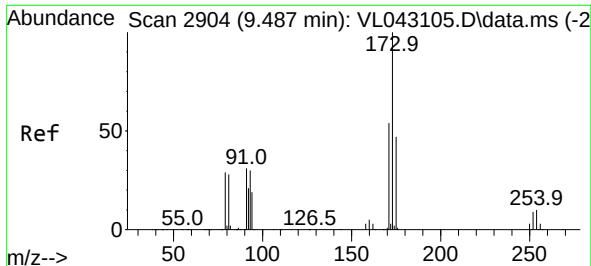
Tgt Ion: 129 Resp: 4361

Ion Ratio Lower Upper

129 100

127 0.0 39.3 117.9#





#49

Bromoform

Concen: 0.477 ppbv

RT: 9.493 min Scan# 2904

Delta R.T. 0.006 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

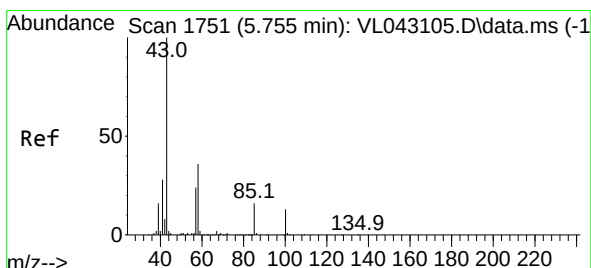
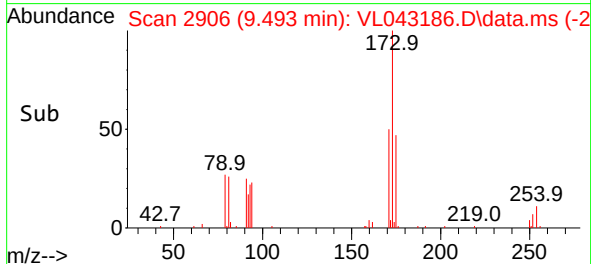
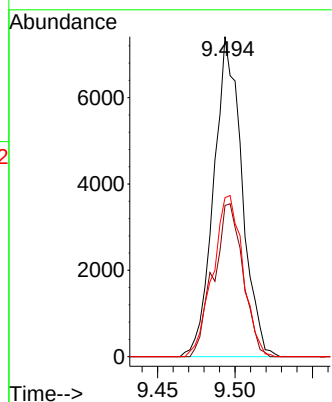
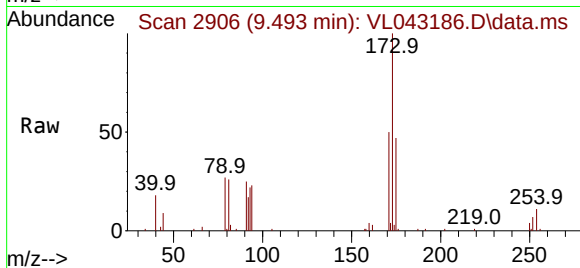
Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

Tgt Ion:173	Resp:	9390
Ion	Ratio	Lower Upper
173	100	
175	49.9	38.8 58.2
171	53.7	41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 0.213 ppbv

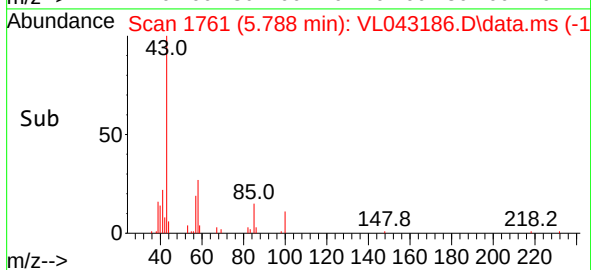
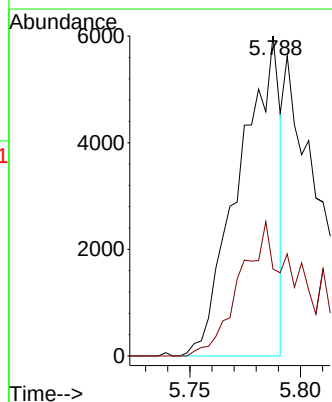
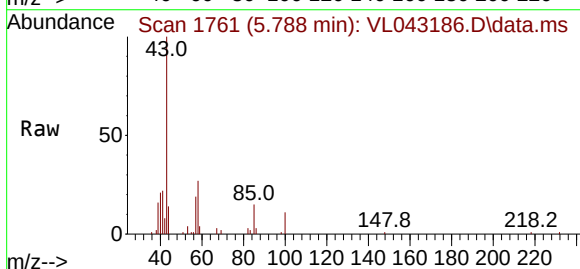
RT: 5.788 min Scan# 1761

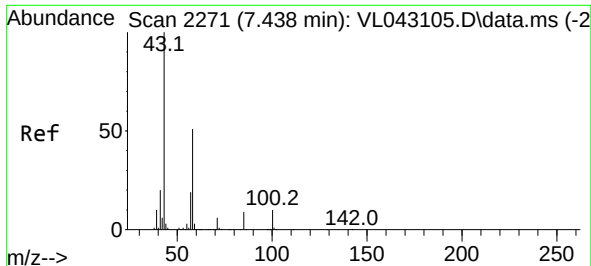
Delta R.T. 0.032 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Tgt Ion: 43	Resp:	7702
Ion	Ratio	Lower Upper
43	100	
58	69.5	29.1 43.7#

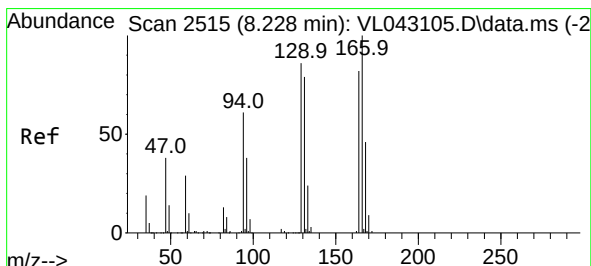
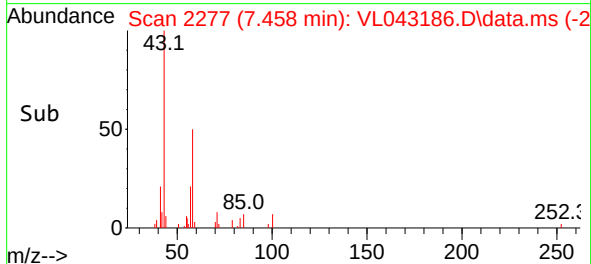
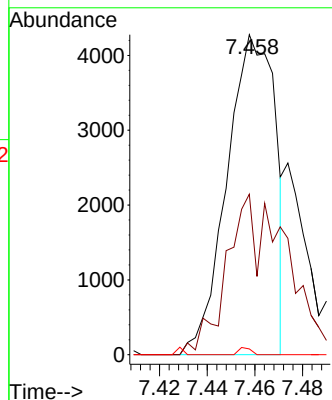
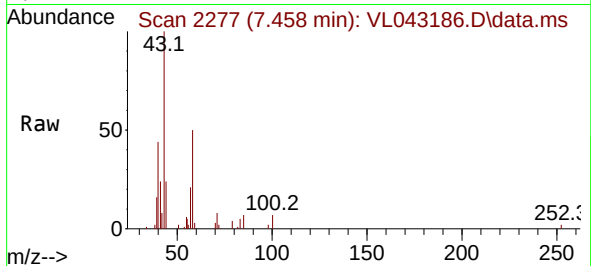




#51
2-Hexanone
Concen: 0.222 ppbv
RT: 7.458 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

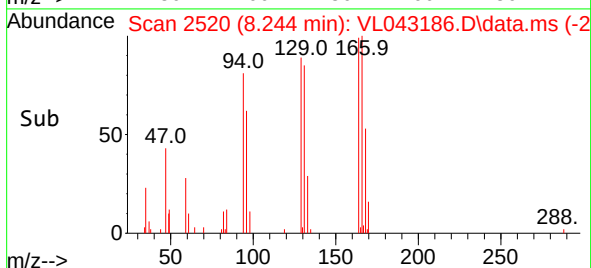
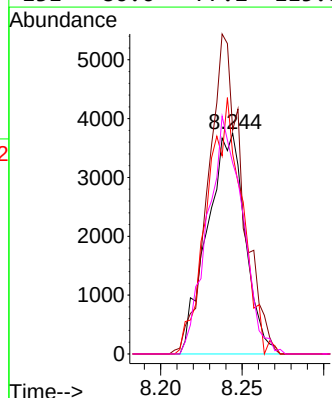
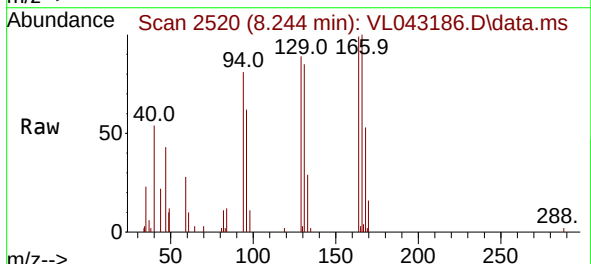
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

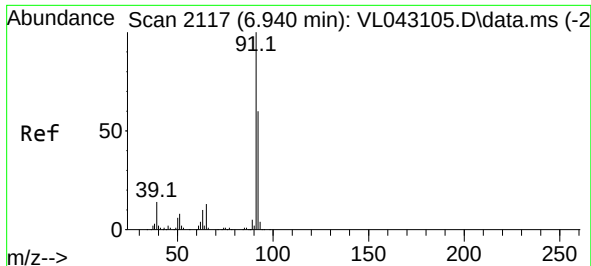
Tgt Ion: 43 Resp: 6016
Ion Ratio Lower Upper
43 100
58 64.7 40.4 60.6#
98 0.6 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.458 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.016 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion: 164 Resp: 6056
Ion Ratio Lower Upper
164 100
166 101.5 97.6 146.4
129 90.7 84.5 126.7
131 86.6 77.2 115.8

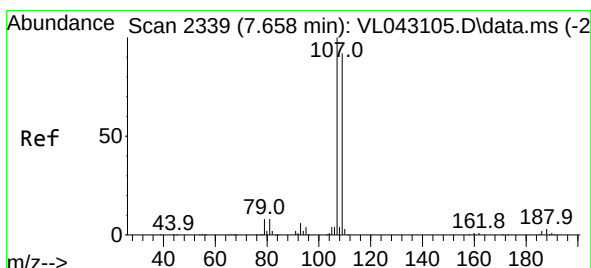
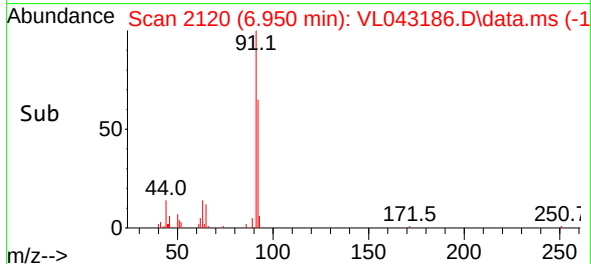
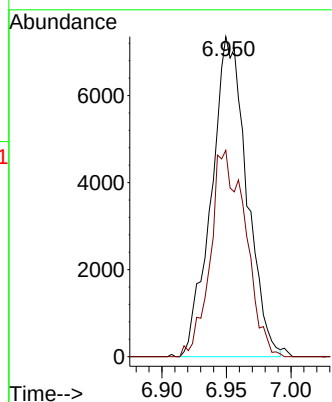
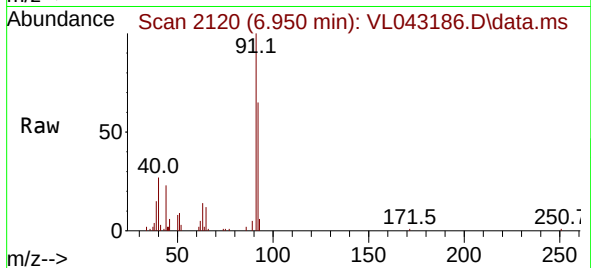




#53
Toluene
Concen: 0.322 ppbv
RT: 6.950 min Scan# 2117
Delta R.T. 0.010 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

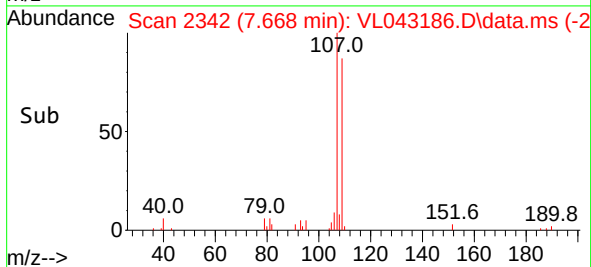
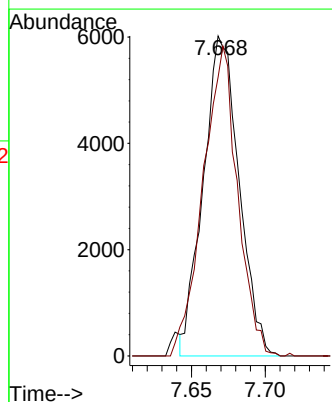
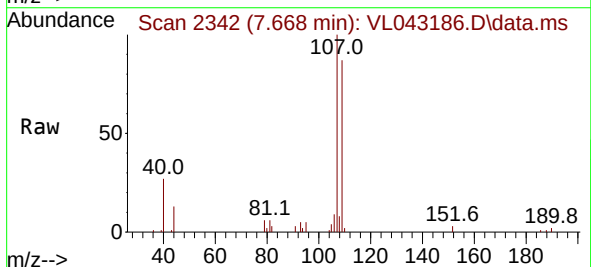
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

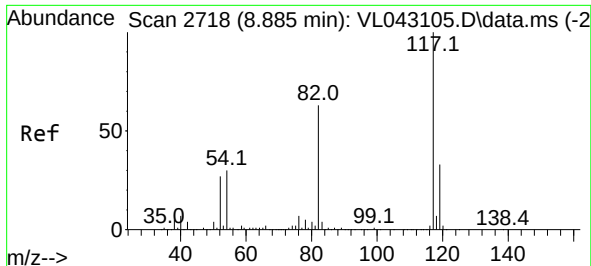
Tgt Ion: 91 Resp: 14005
Ion Ratio Lower Upper
91 100
92 64.0 48.8 73.2



#54
1,2-Dibromoethane
Concen: 0.448 ppbv
RT: 7.668 min Scan# 2342
Delta R.T. 0.010 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion: 107 Resp: 10167
Ion Ratio Lower Upper
107 100
109 87.1 73.4 110.2

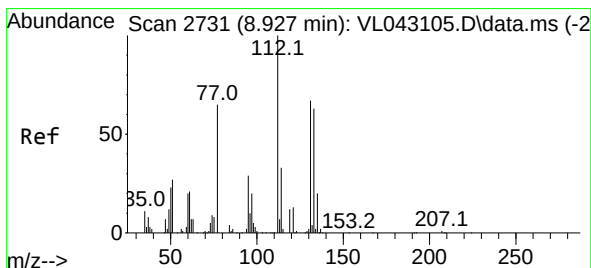
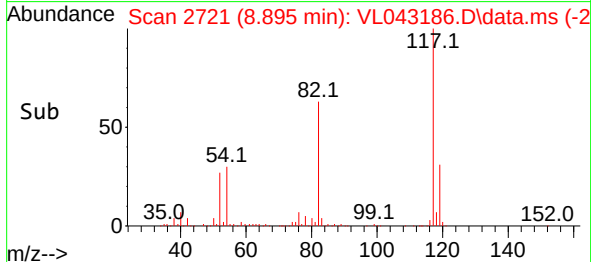
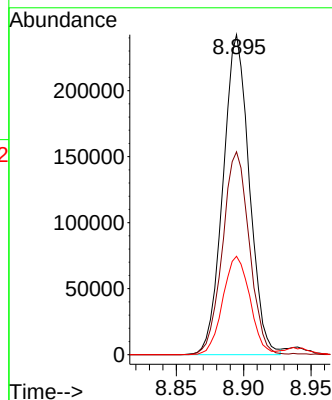
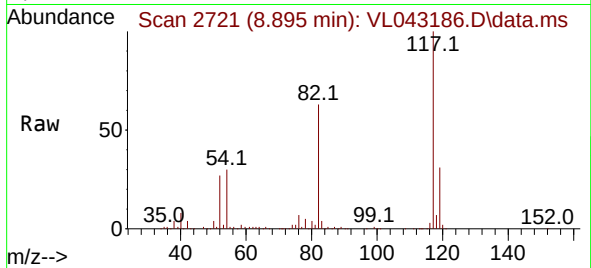




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2718
Delta R.T. 0.010 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

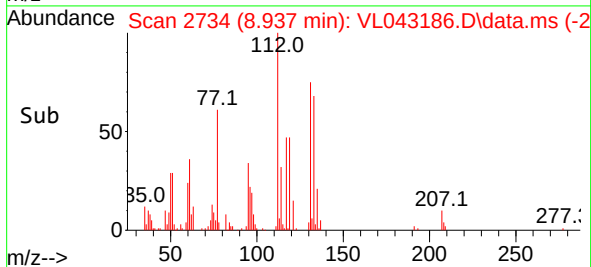
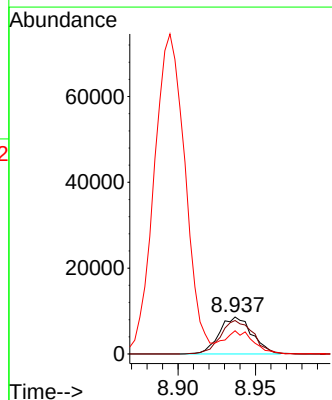
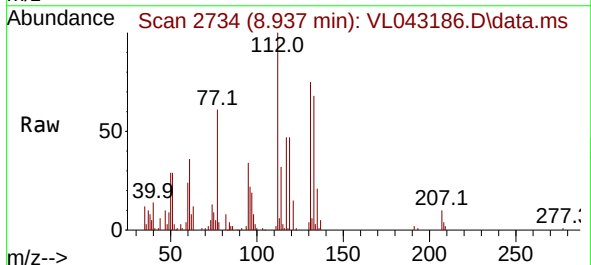
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

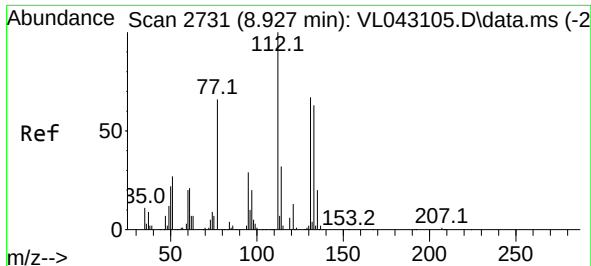
Tgt Ion:117 Resp: 328404
Ion Ratio Lower Upper
117 100
82 65.0 53.8 80.8
119 33.9 25.4 38.0



#56
1,1,1,2-Tetrachloroethane
Concen: 0.613 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. 0.010 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion:131 Resp: 12690
Ion Ratio Lower Upper
131 100
133 90.8 75.7 113.5
119 879.0 50.6 76.0#

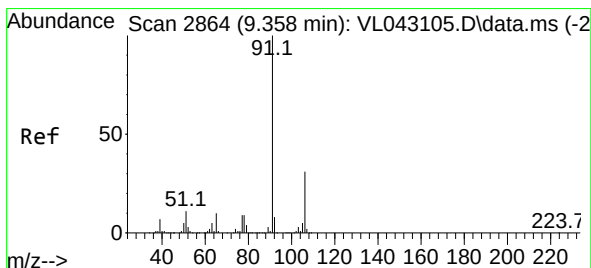
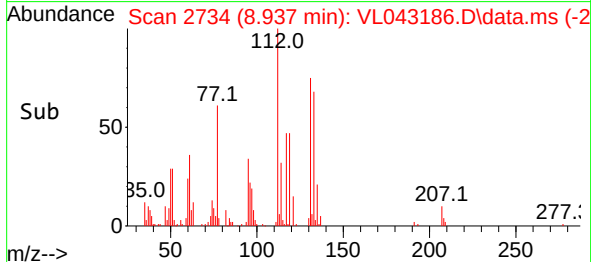
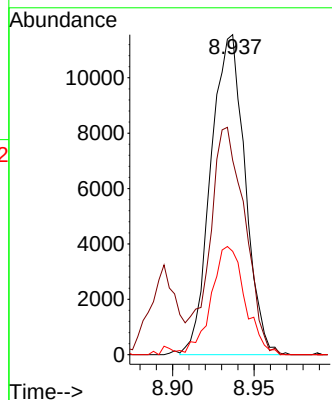
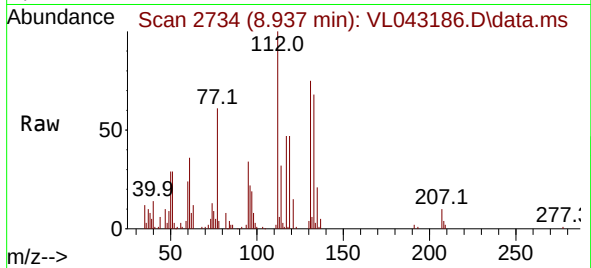




#57
Chlorobenzene
Concen: 0.547 ppbv
RT: 8.937 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

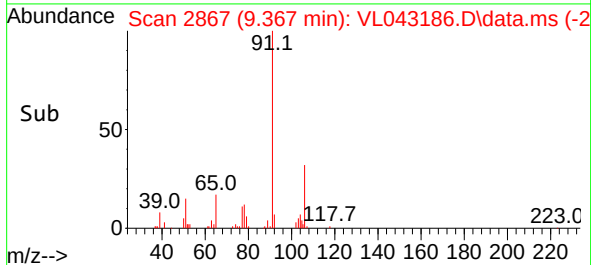
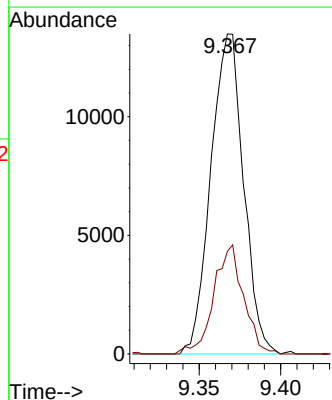
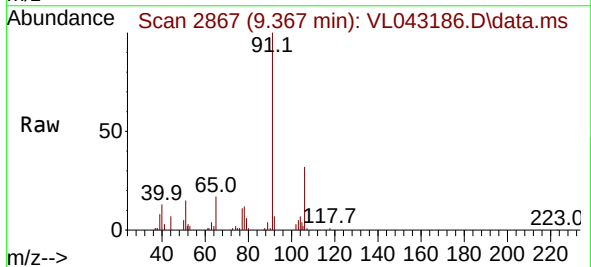
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

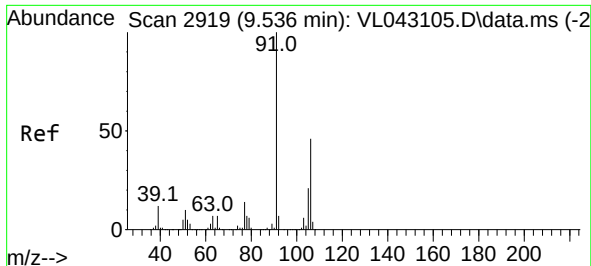
Tgt Ion:112 Resp: 16801
Ion Ratio Lower Upper
112 100
77 60.3 53.3 79.9
114 32.3 29.3 35.8



#58
Ethyl Benzene
Concen: 0.334 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.010 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion: 91 Resp: 18811
Ion Ratio Lower Upper
91 100
106 32.0 24.8 37.2





#59

m/p-Xylene

Concen: 0.370 ppbv

RT: 9.545 min Scan# 2919

Delta R.T. 0.010 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Instrument :

MSVOA_L

ClientSampleId :

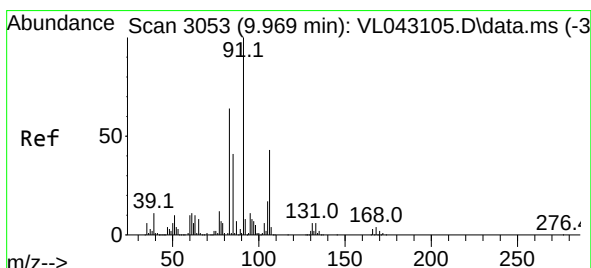
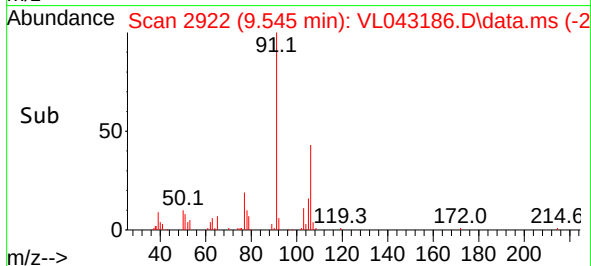
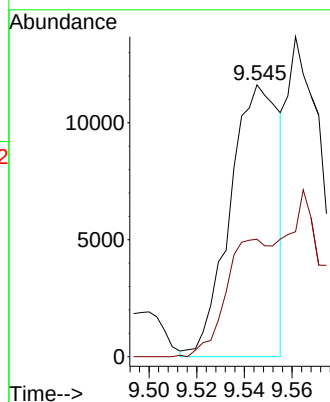
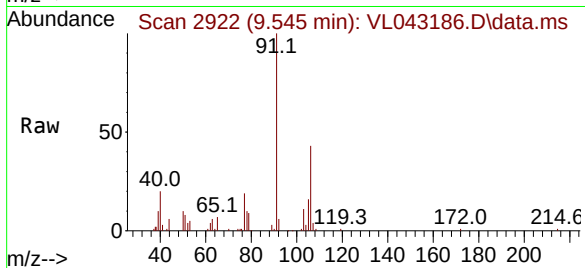
MDL-AIR-03-QT4-2025

Tgt Ion: 91 Resp: 16614

Ion Ratio Lower Upper

91 100

106 0.0 38.0 57.0#



#60

o-Xylene

Concen: 0.346 ppbv

RT: 9.976 min Scan# 3055

Delta R.T. 0.007 min

Lab File: VL043186.D

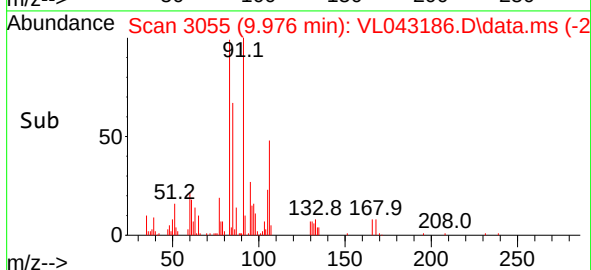
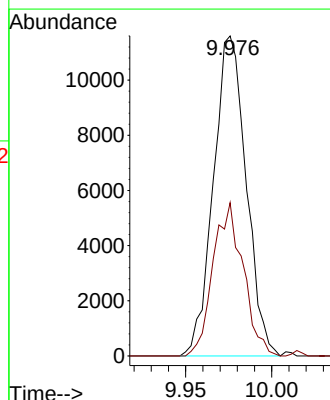
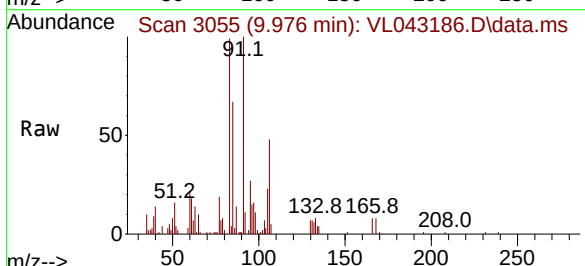
Acq: 11 Nov 2025 12:13

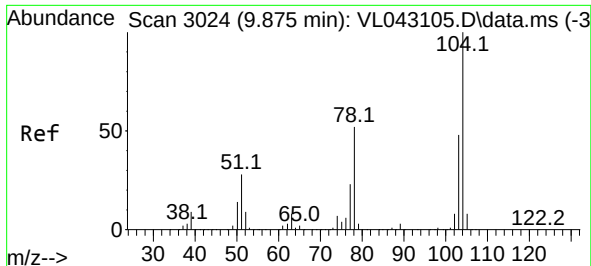
Tgt Ion: 91 Resp: 15358

Ion Ratio Lower Upper

91 100

106 44.5 21.9 65.8

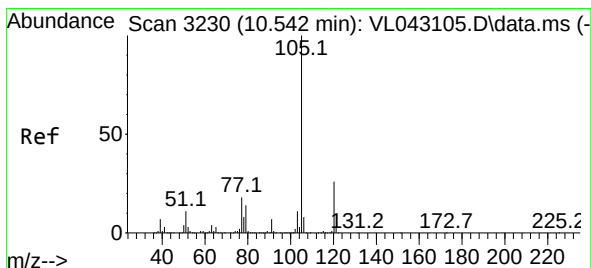
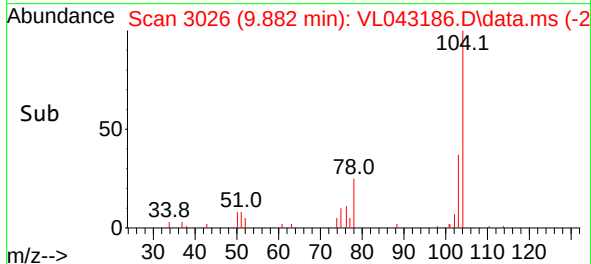
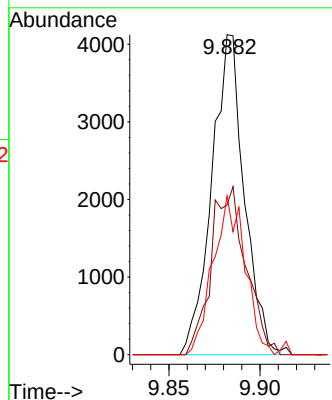
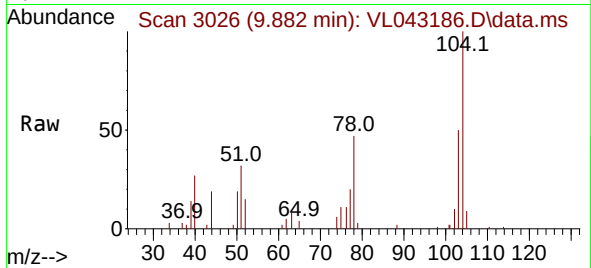




#61
Styrene
Concen: 0.255 ppbv
RT: 9.882 min Scan# 3024
Delta R.T. 0.006 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

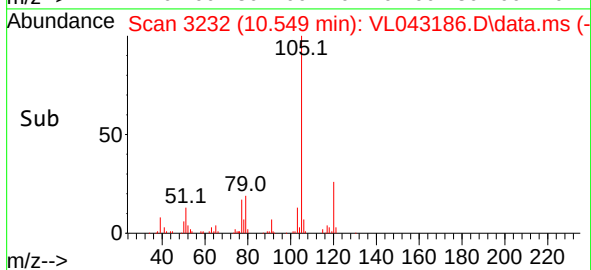
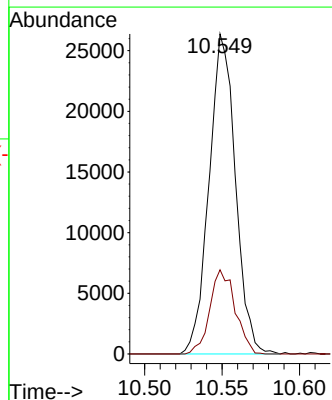
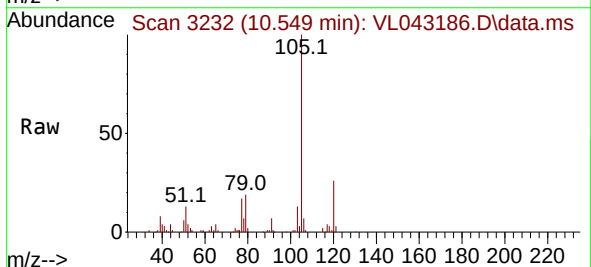
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

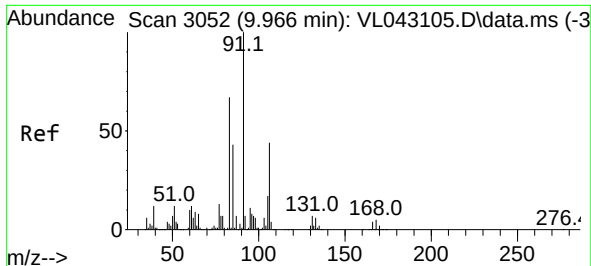
Tgt Ion:104 Resp: 5112
Ion Ratio Lower Upper
104 100
78 56.5 40.2 60.2
103 49.8 36.9 55.3



#62
Isopropylbenzene
Concen: 0.390 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. 0.007 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion:105 Resp: 31255
Ion Ratio Lower Upper
105 100
120 25.2 20.2 30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 0.519 ppbv

RT: 9.973 min Scan# 3054

Delta R.T. 0.006 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

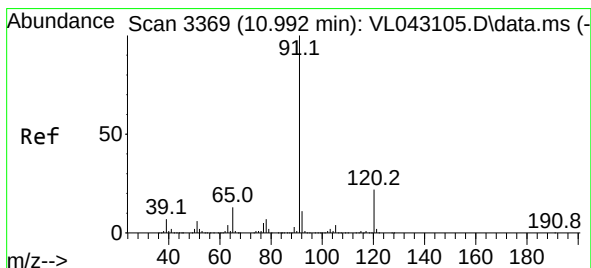
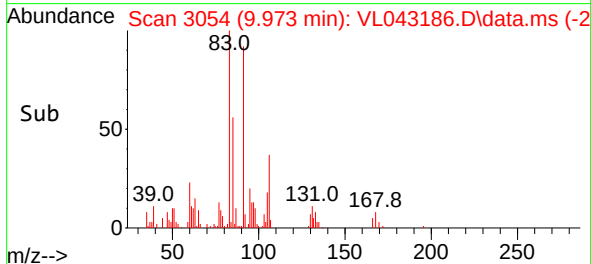
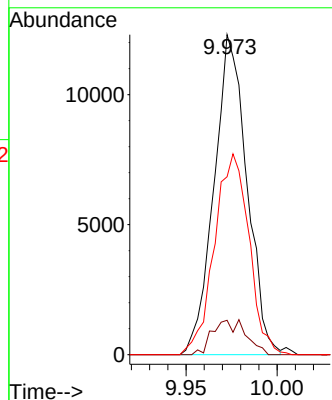
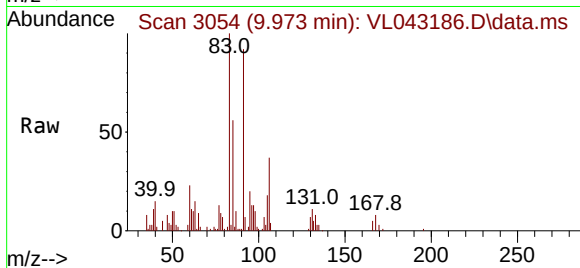
Tgt Ion: 83 Resp: 15422

Ion Ratio Lower Upper

83 100

131 11.1 4.8 14.3

85 66.0 32.0 96.0



#64

n-propylbenzene

Concen: 0.353 ppbv

RT: 11.002 min Scan# 3372

Delta R.T. 0.010 min

Lab File: VL043186.D

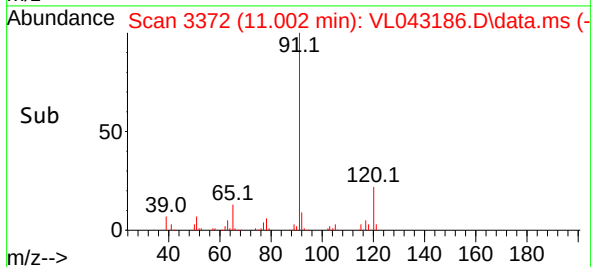
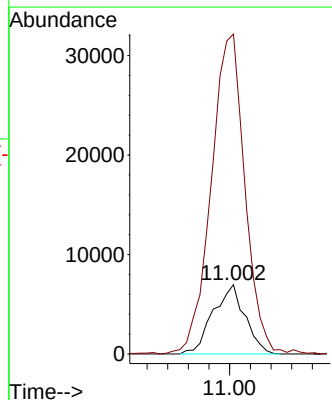
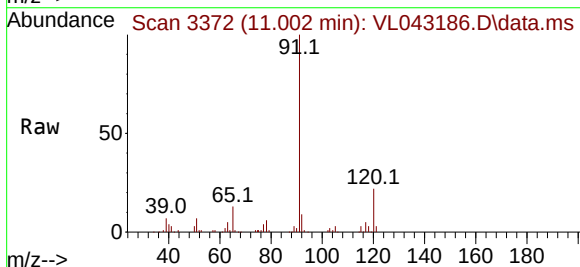
Acq: 11 Nov 2025 12:13

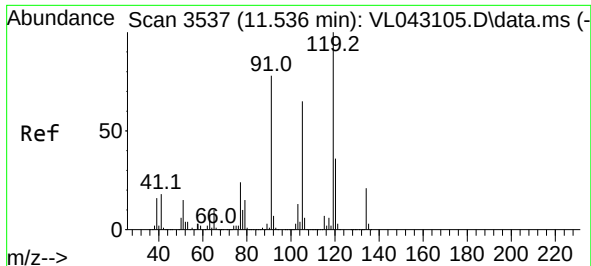
Tgt Ion: 120 Resp: 7494

Ion Ratio Lower Upper

120 100

91 484.8 361.6 542.4

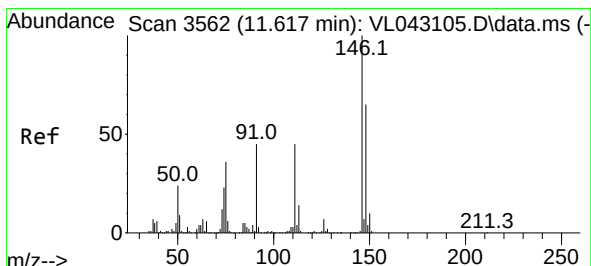
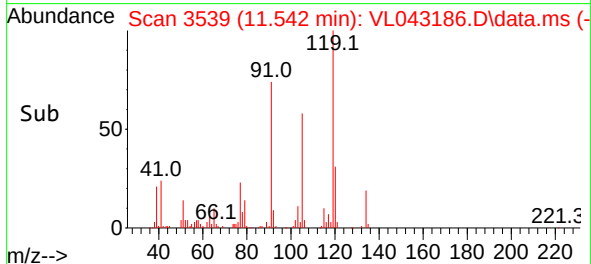
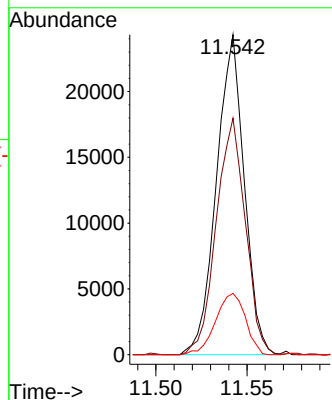
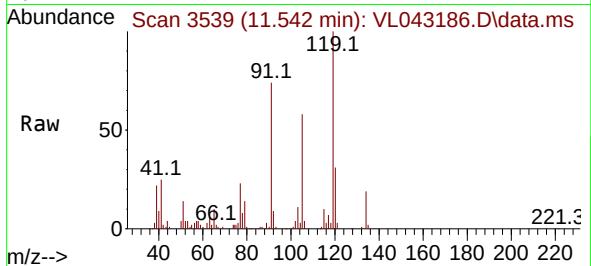




#65
tert-Butylbenzene
Concen: 0.364 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.006 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

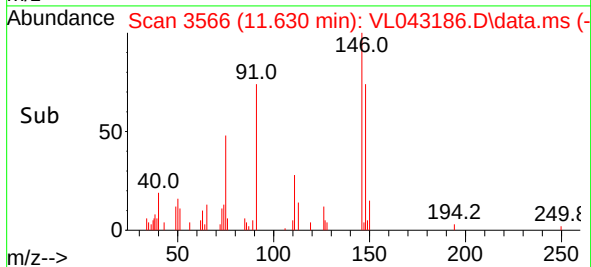
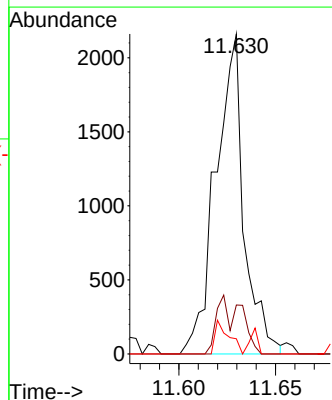
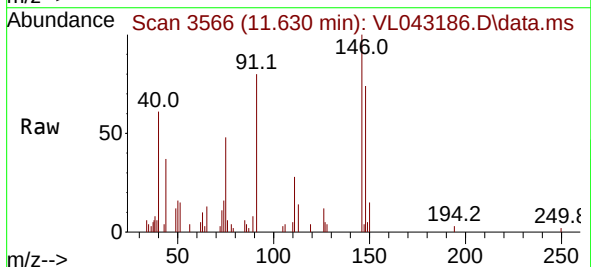
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

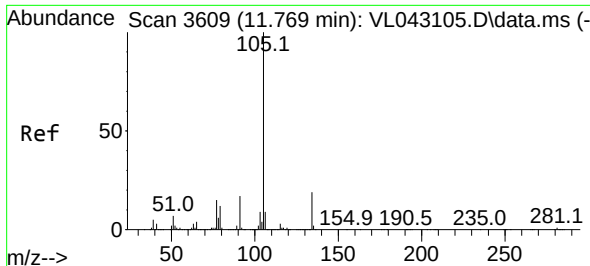
Tgt Ion:119 Resp: 25809
Ion Ratio Lower Upper
119 100
91 77.3 63.4 95.0
134 20.7 17.3 25.9



#66
Benzyl Chloride
Concen: 0.277 ppbv
RT: 11.630 min Scan# 3566
Delta R.T. 0.013 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion: 91 Resp: 2182
Ion Ratio Lower Upper
91 100
126 15.8 14.6 22.0
128 7.4 4.6 6.8#

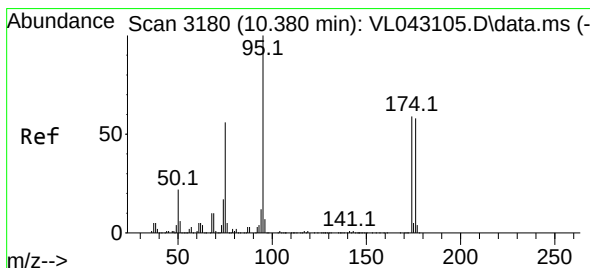
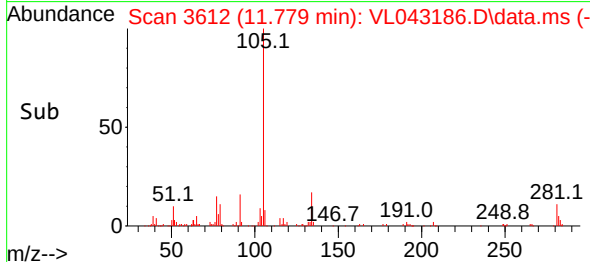
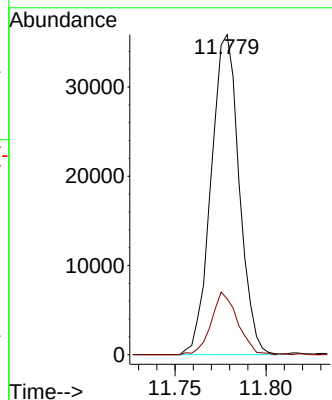
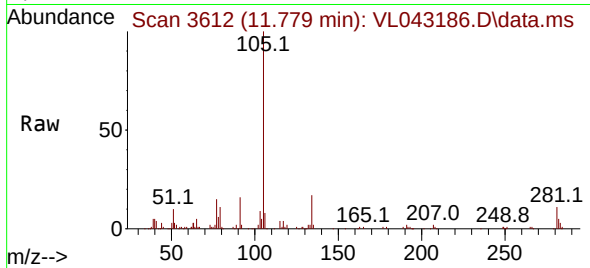




#67
 sec-Butylbenzene
 Concen: 0.383 ppbv
 RT: 11.779 min Scan# 3612
 Delta R.T. 0.010 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13

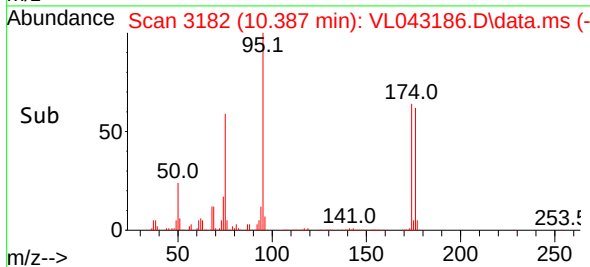
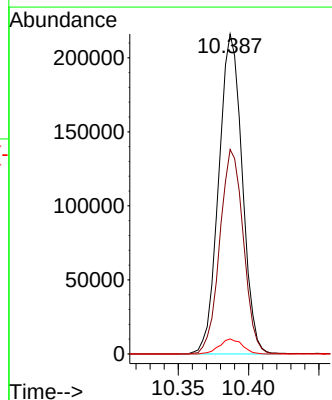
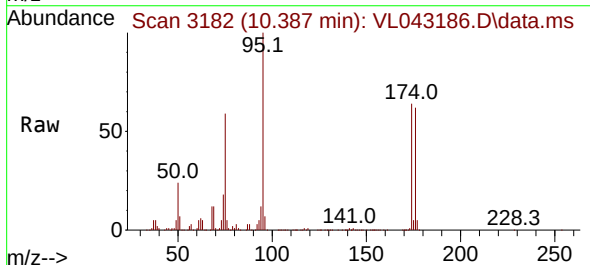
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025

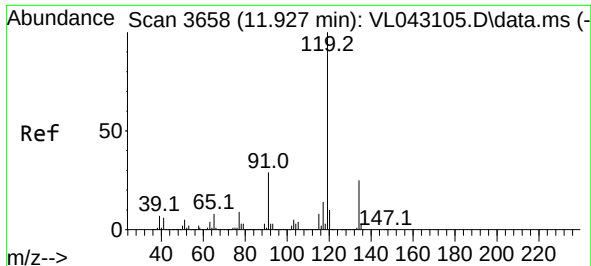
Tgt Ion:105 Resp: 38472
 Ion Ratio Lower Upper
 105 100
 134 18.4 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.818 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. 0.006 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13

Tgt Ion: 95 Resp: 250615
 Ion Ratio Lower Upper
 95 100
 174 64.4 48.3 72.5
 175 4.6 3.8 5.8

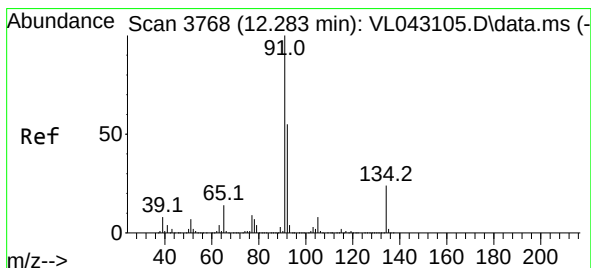
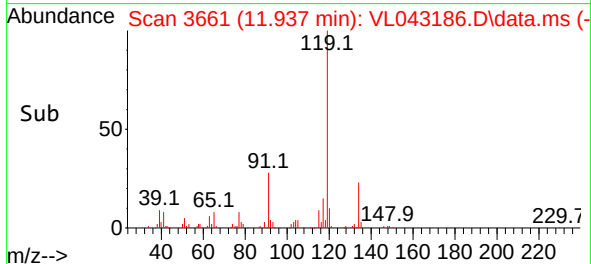
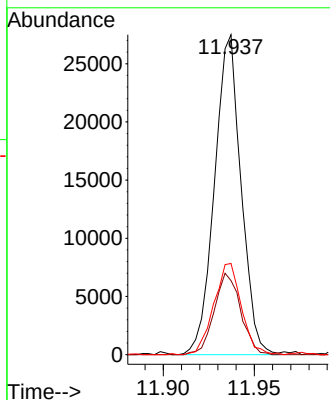
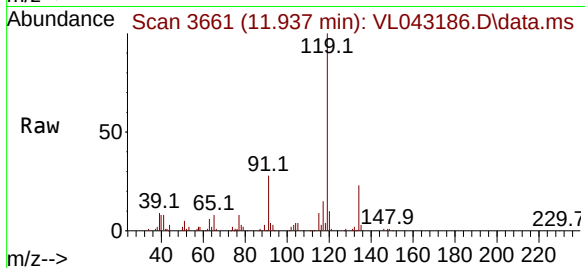




#69
 p-Isopropyltoluene
 Concen: 0.326 ppbv
 RT: 11.937 min Scan# 30
 Delta R.T. 0.010 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13

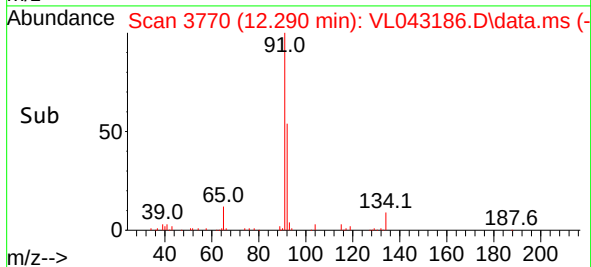
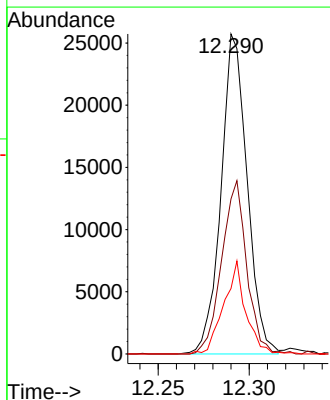
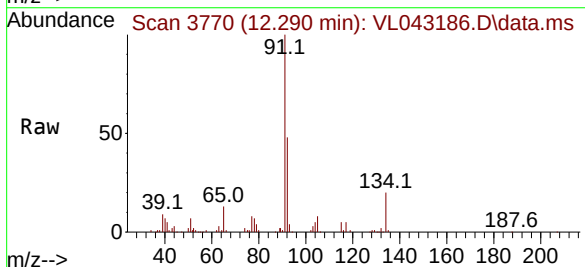
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025

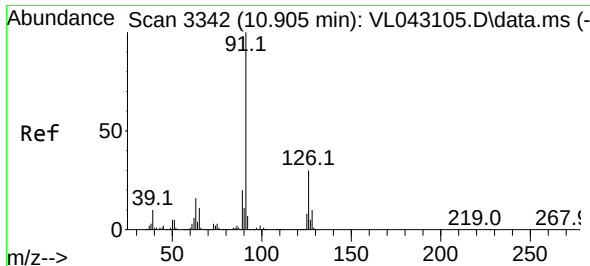
Tgt Ion:	119	Resp:	27887
Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.3	30.5
91	30.4	22.6	33.8



#70
 n-Butylbenzene
 Concen: 0.304 ppbv
 RT: 12.290 min Scan# 3770
 Delta R.T. 0.006 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13

Tgt Ion:	91	Resp:	25636
Ion	Ratio	Lower	Upper
91	100		
92	52.2	44.5	66.7
134	24.5	19.3	28.9

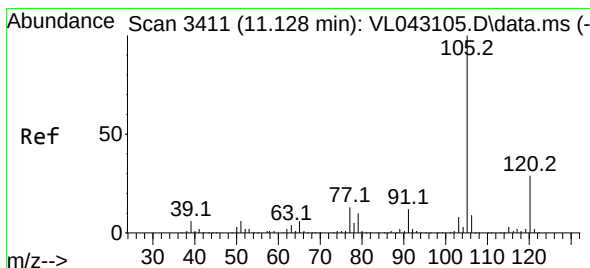
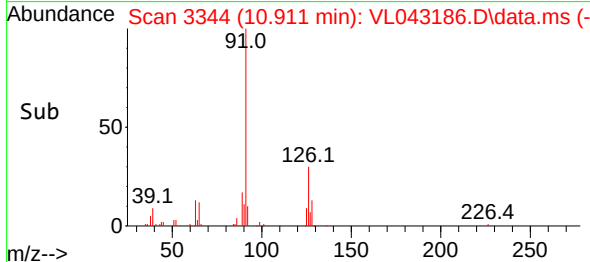
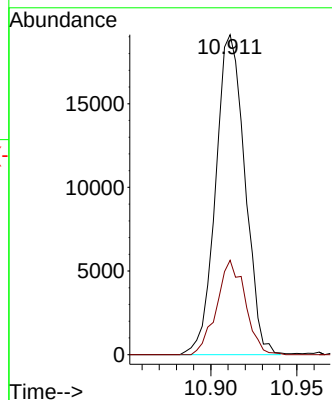
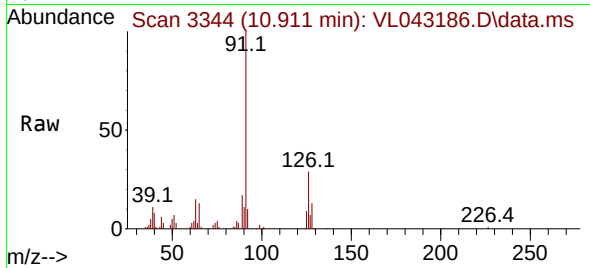




#71
2-Chlorotoluene
Concen: 0.370 ppbv
RT: 10.911 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

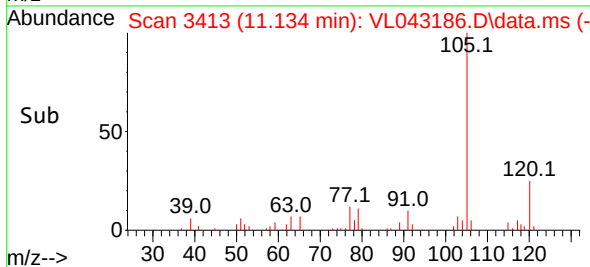
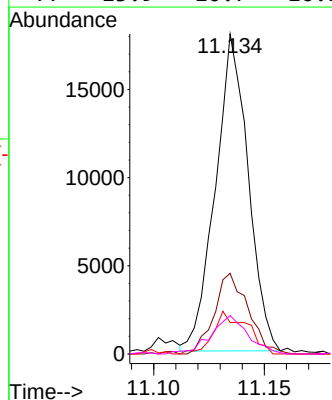
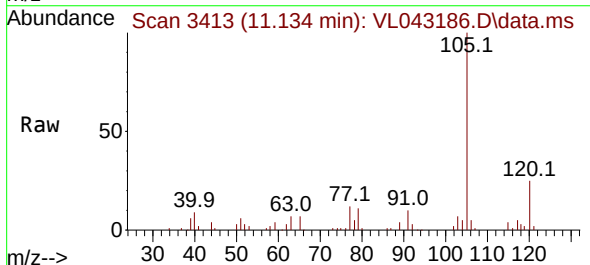
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

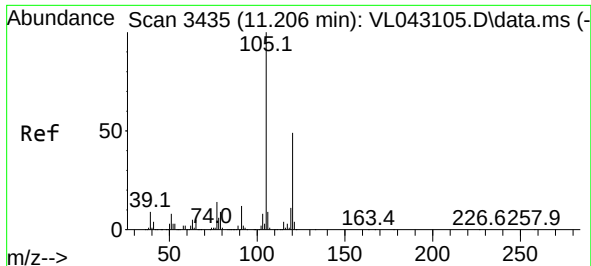
Tgt Ion: 91 Resp: 22616
Ion Ratio Lower Upper
91 100
126 28.8 12.0 48.0



#72
4-Ethyltoluene
Concen: 0.338 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.007 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion: 105 Resp: 18453
Ion Ratio Lower Upper
105 100
120 26.7 24.2 36.4
91 14.4 10.0 15.0
77 13.9 10.7 16.1

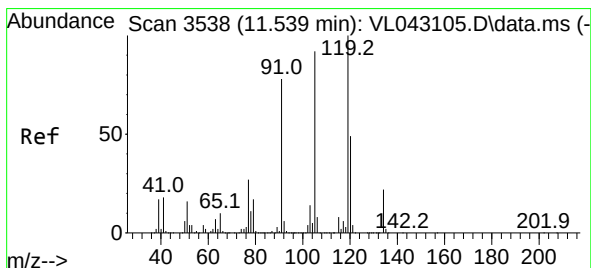
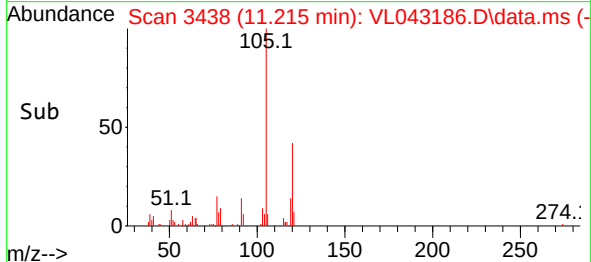
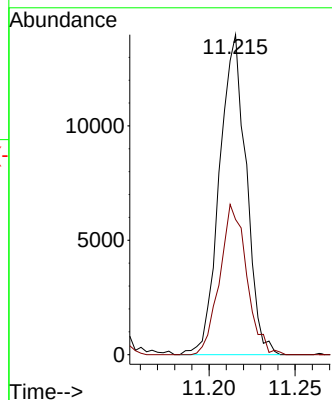
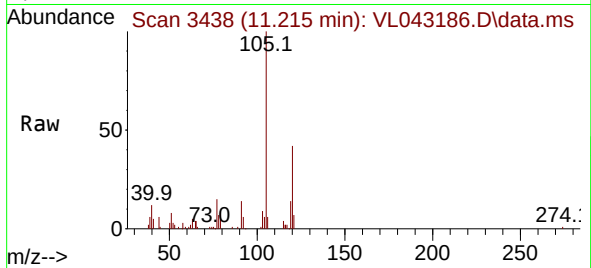




#73
1,3,5-Trimethylbenzene
Concen: 0.336 ppbv
RT: 11.215 min Scan# 3435
Delta R.T. 0.010 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

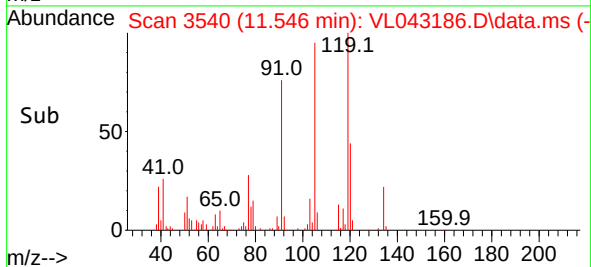
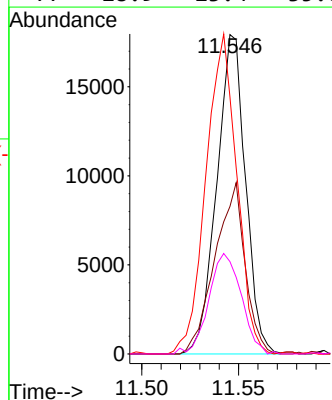
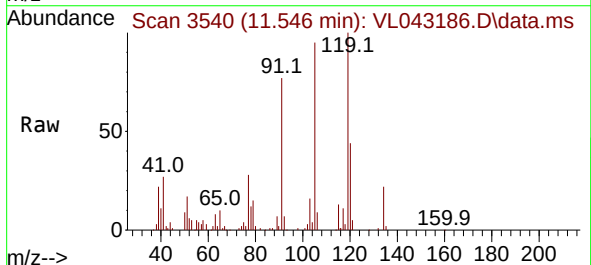
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

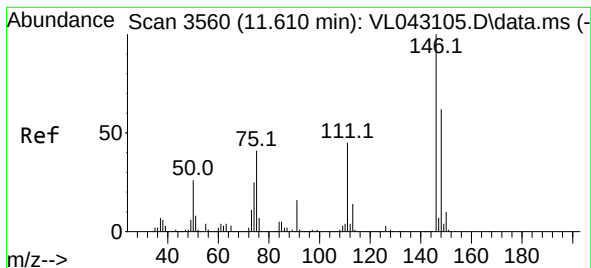
Tgt Ion:105 Resp: 15118
Ion Ratio Lower Upper
105 100
120 49.5 39.0 58.6



#74
1,2,4-Trimethylbenzene
Concen: 0.367 ppbv
RT: 11.546 min Scan# 3540
Delta R.T. 0.006 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion:105 Resp: 18501
Ion Ratio Lower Upper
105 100
120 46.2 42.8 64.2
91 80.1 68.3 102.5
77 28.9 23.4 35.0





#75

1,3-Dichlorobenzene

Concen: 0.500 ppbv

RT: 11.617 min Scan# 3562

Delta R.T. 0.006 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

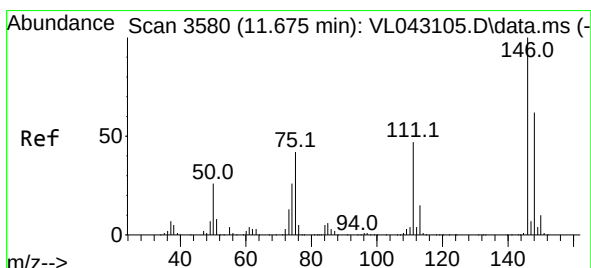
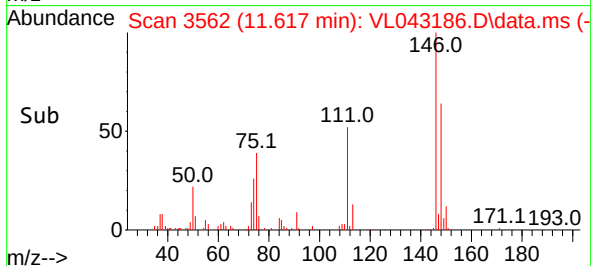
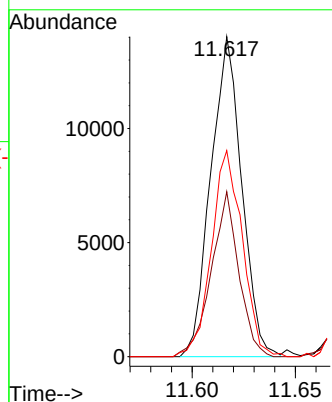
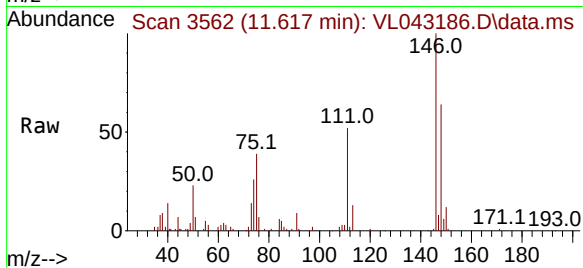
Tgt Ion:146 Resp: 14616

Ion Ratio Lower Upper

146 100

111 45.8 23.3 69.9

148 64.2 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 0.445 ppbv

RT: 11.681 min Scan# 3582

Delta R.T. 0.006 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

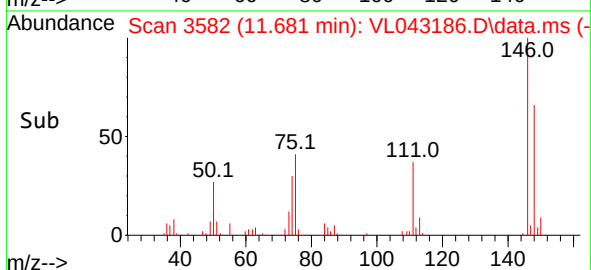
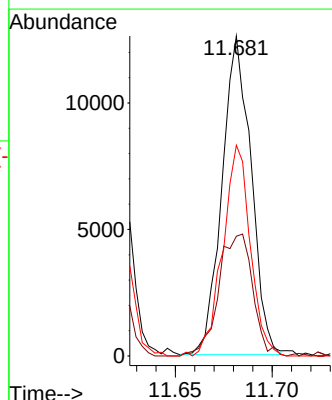
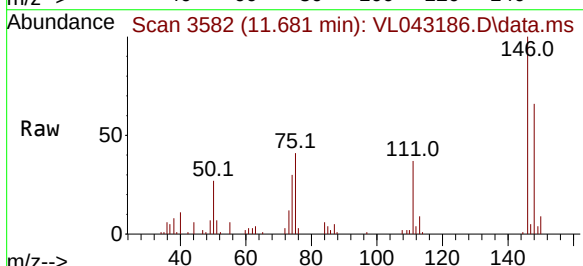
Tgt Ion:146 Resp: 13121

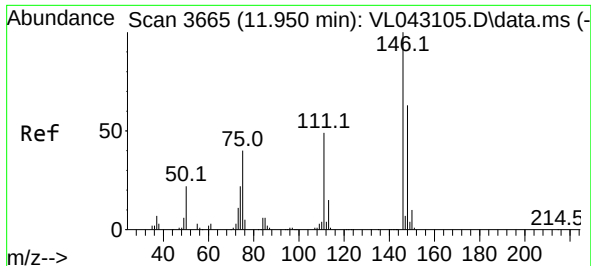
Ion Ratio Lower Upper

146 100

111 45.4 22.4 67.0

148 62.9 31.6 94.7

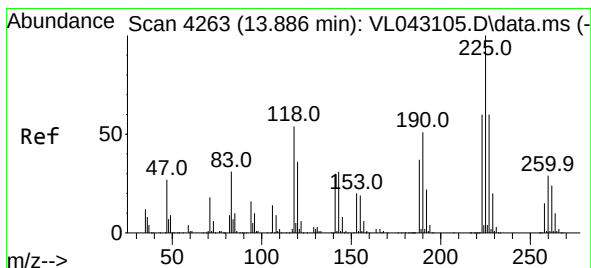
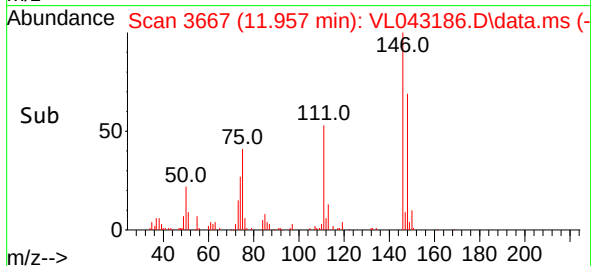
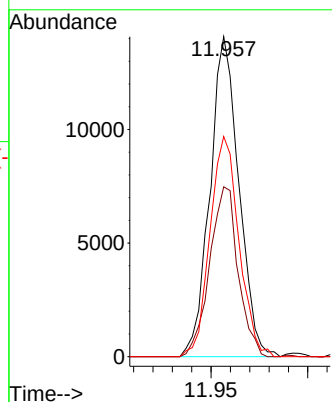
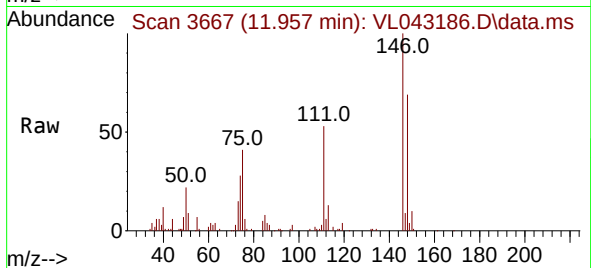




#77
1,2-Dichlorobenzene
Concen: 0.516 ppbv
RT: 11.957 min Scan# 30
Delta R.T. 0.006 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

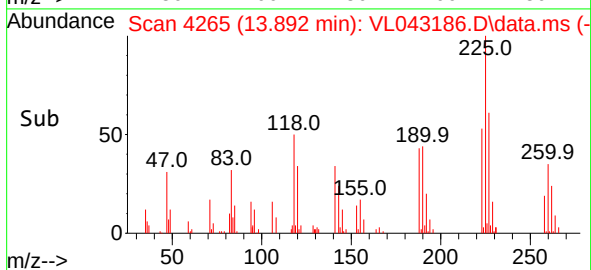
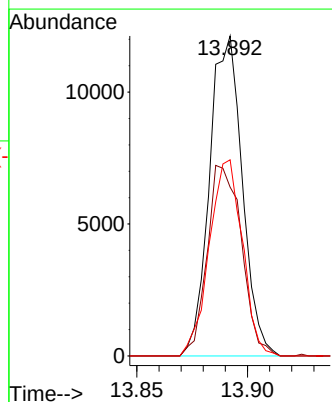
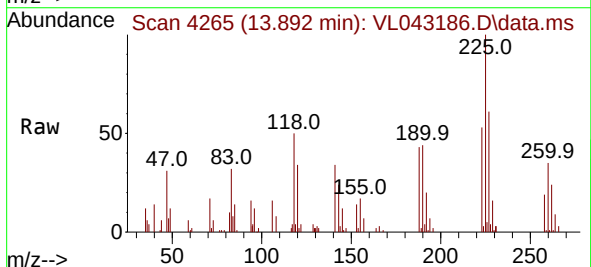
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

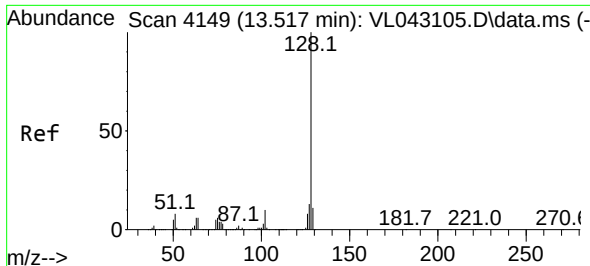
Tgt Ion:146 Resp: 14597
Ion Ratio Lower Upper
146 100
111 52.3 24.0 72.0
148 69.0 31.1 93.3



#78
Hexachloro-1,3-Butadiene
Concen: 0.570 ppbv
RT: 13.892 min Scan# 4265
Delta R.T. 0.006 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion:225 Resp: 12468
Ion Ratio Lower Upper
225 100
223 62.4 50.2 75.4
227 61.9 49.6 74.4

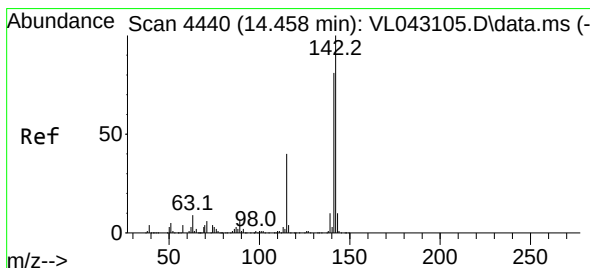
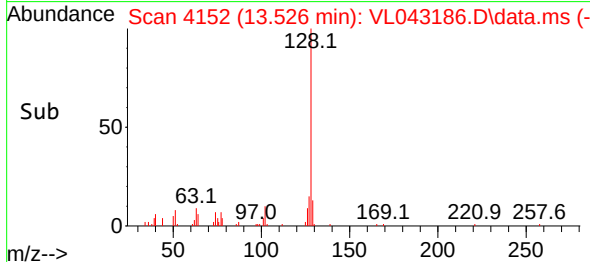
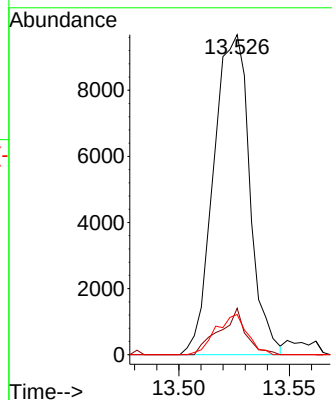
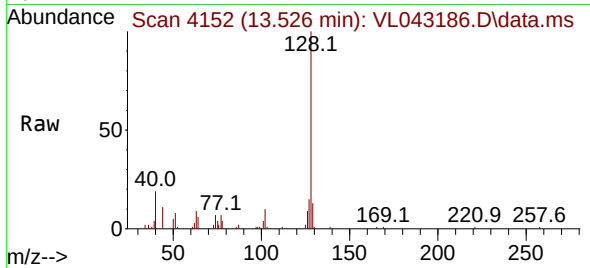




#79
Naphthalene
Concen: 0.208 ppbv
RT: 13.526 min Scan# 4149
Delta R.T. 0.010 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

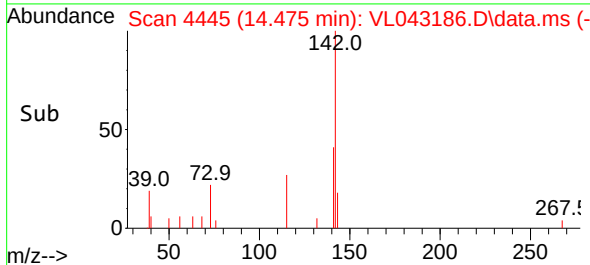
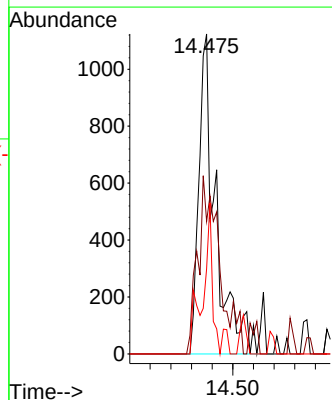
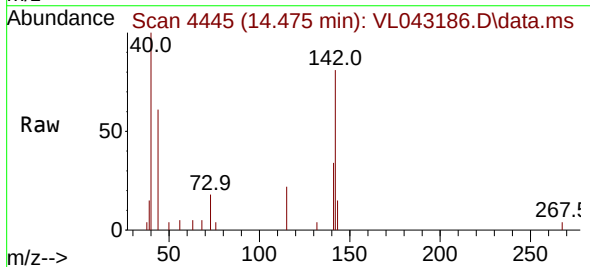
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

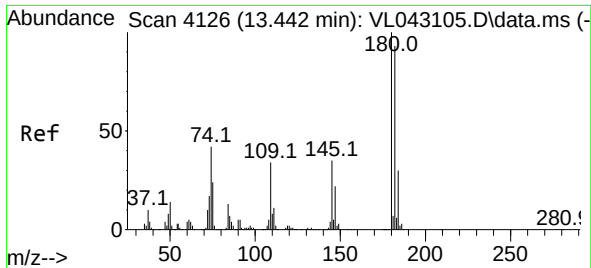
Tgt Ion:128 Resp: 10968
Ion Ratio Lower Upper
128 100
127 14.5 10.5 15.7
129 12.6 9.1 13.7



#80
Naphthalene,2-methyl-
Concen: 0.098 ppbv
RT: 14.475 min Scan# 4445
Delta R.T. 0.016 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

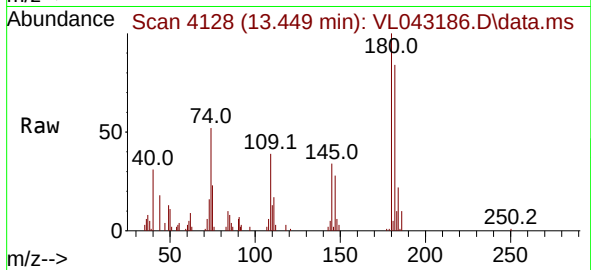
Tgt Ion:142 Resp: 1343
Ion Ratio Lower Upper
142 100
141 72.4 64.6 97.0
115 27.3 30.2 45.4#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.225 ppbv
 RT: 13.449 min Scan# 41
 Delta R.T. 0.007 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025



Tgt Ion:	180	Resp:	4915
Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.5	113.3
184	34.2	23.9	35.9

