

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
 Data File : VL043187.D
 Acq On : 11 Nov 2025 12:44
 Operator : SY/MD
 Sample : Q3530-15 0.40 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Nov 12 00:19:12 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	2.800	49	140266	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	380377	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.895	117	320917	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	245506	9.842	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	9570	0.480	ppbv	98
3) Chlorodifluoromethane	1.483	51	9818	0.455	ppbv	99
4) Chloromethane	1.541	50	3489	0.442	ppbv	93
5) Vinyl Chloride	1.586	62	2927	0.378	ppbv	97
6) Bromomethane	1.677	94	1777	0.418	ppbv	91
7) Chloroethane	1.712	64	1416	0.447	ppbv #	85
8) Dichlorotetrafluoroethane	1.560	85	6771	0.420	ppbv #	80
9) Propene	1.489	41	3325	0.347	ppbv	100
10) Heptane	5.004	43	4037	0.147	ppbv #	27
11) Trichlorofluoromethane	1.887	101	9738	0.499	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.149	101	7542	0.480	ppbv	94
13) Ethanol	1.729	45	1780	0.503	ppbv	89
14) Bromoethene	1.790	108	2791	0.478	ppbv #	91
15) Acetone	1.842	43	11108	0.588	ppbv	96
16) 1,3-Butadiene	1.615	39	3076	0.341	ppbv	95
17) tert-Butyl alcohol	2.049	59	10444	0.402	ppbv #	93
18) 1,1-Dichloroethene	2.046	96	3172	0.463	ppbv #	65
19) Isopropyl Alcohol	1.894	45	4905	0.417	ppbv #	40
20) Methylene Chloride	2.072	84	4475	0.599	ppbv #	87
21) Allyl Chloride	2.107	41	5671	0.407	ppbv	96
22) trans-1,2-Dichloroethene	2.353	96	3747	0.458	ppbv	86
23) Vinyl Acetate	2.473	43	12963	0.468	ppbv #	90
24) 1,1-Dichloroethane	2.421	63	6967	0.441	ppbv #	91
25) Ethyl Acetate	2.848	43	18408	0.393	ppbv	98
26) Hexane	2.842	57	7568	0.350	ppbv	85
27) Carbon Disulfide	2.162	76	8478	0.428	ppbv #	1
28) Methyl tert-Butyl Ether	2.454	73	3886	0.395	ppbv	95
29) Chloroform	2.861	83	14041	0.449	ppbv	97
30) Cyclohexane	3.874	84	5082	0.270	ppbv	90
31) cis-1,2-Dichloroethene	2.732	61	8290	0.402	ppbv	93
32) 1,1,1-Trichloroethane	3.379	97	12676	0.389	ppbv	97
34) 2-Butanone	2.570	43	12933	0.506	ppbv	98
35) Carbon Tetrachloride	3.781	117	13417	0.491	ppbv	95
36) Benzene	3.671	78	15702	0.438	ppbv	97
37) 1,2-Dichloroethane	3.234	62	9814	0.476	ppbv #	92
38) Trichloroethene	4.567	130	6497	0.434	ppbv	89
39) 1,2-Dichloropropane	4.337	63	6645	0.507	ppbv #	90
40) 1,4-Dioxane	4.616	88	707	0.121	ppbv #	1
41) Tetrahydrofuran	3.072	42	5035	0.352	ppbv	93
42) Bromodichloromethane	4.512	83	6244	0.219	ppbv	98
43) Methyl Methacrylate	4.897	69	2191	0.120	ppbv #	1
44) 2,2,4-Trimethylpentane	4.664	57	22123	0.366	ppbv #	90
45) t-1,3-Dichloropropene	6.441	75	3814	0.209	ppbv #	81

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
 Data File : VL043187.D
 Acq On : 11 Nov 2025 12:44
 Operator : SY/MD
 Sample : Q3530-15 0.40 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

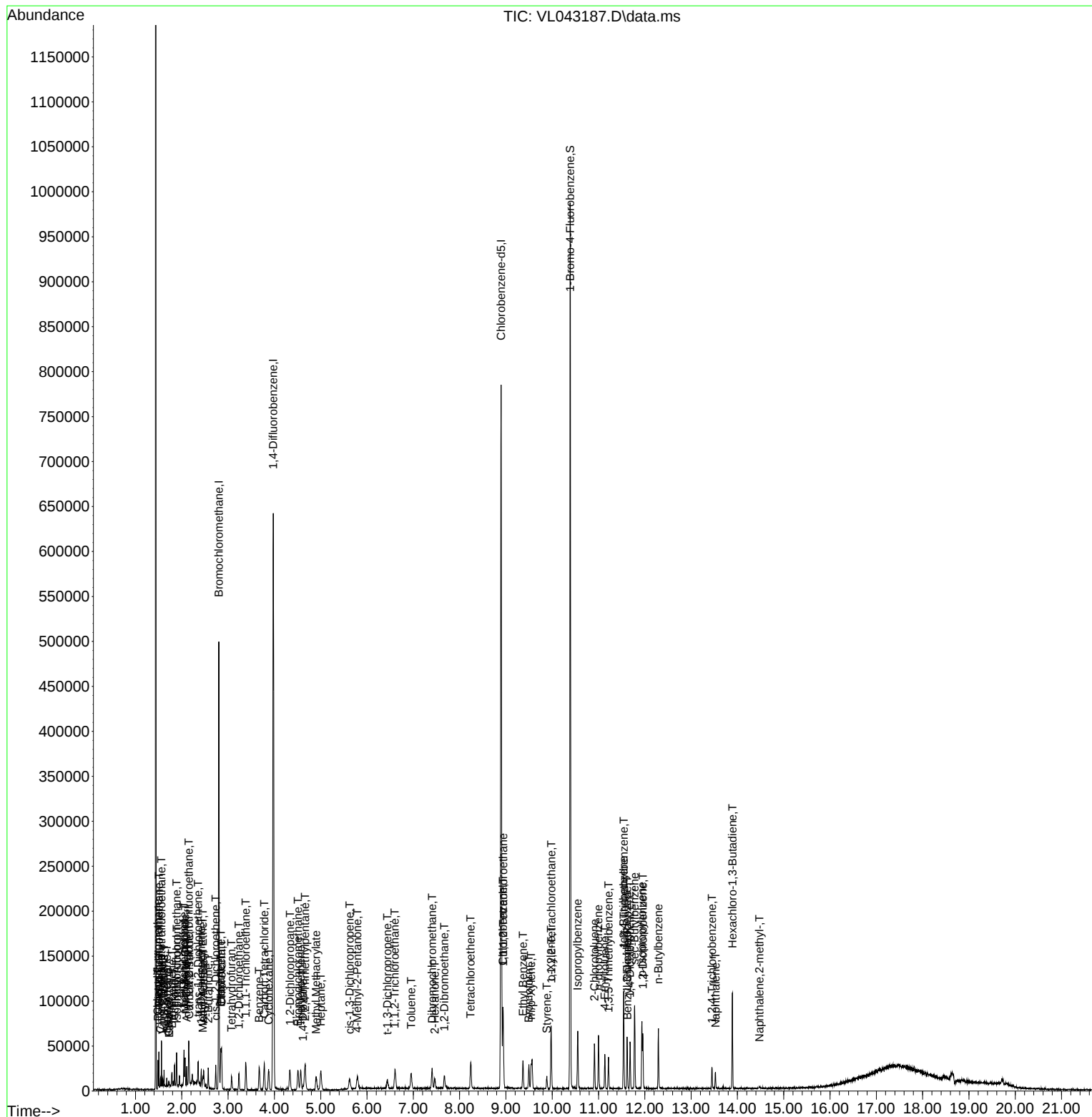
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025

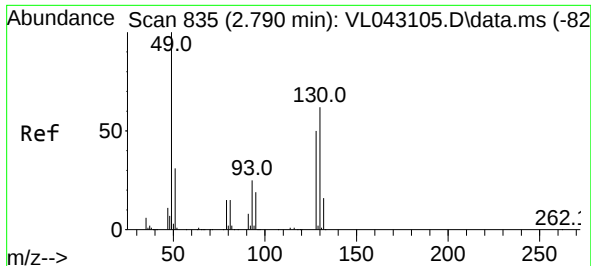
Quant Time: Nov 12 00:19:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.626	75	5189	0.238	ppbv #	92
47) 1,1,2-Trichloroethane	6.600	97	2639	0.187	ppbv #	84
48) Dibromochloromethane	7.406	129	10914	0.462	ppbv	91
49) Bromoform	9.493	173	8544	0.444	ppbv	97
50) 4-Methyl-2-Pentanone	5.787	43	6774	0.192	ppbv #	38
51) 2-Hexanone	7.461	43	5099	0.193	ppbv #	80
52) Tetrachloroethene	8.237	164	3802	0.294	ppbv	89
53) Toluene	6.953	91	12313	0.290	ppbv	99
54) 1,2-Dibromoethane	7.671	107	9170	0.414	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.940	131	10992	0.543	ppbv #	1
57) Chlorobenzene	8.933	112	14668	0.489	ppbv	95
58) Ethyl Benzene	9.367	91	16450	0.299	ppbv	98
59) m/p-Xylene	9.545	91	11106	0.253	ppbv #	29
60) o-Xylene	9.976	91	12447	0.287	ppbv	98
61) Styrene	9.882	104	2957	0.151	ppbv #	44
62) Isopropylbenzene	10.548	105	26984	0.344	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.979	83	13994	0.482	ppbv	93
64) n-propylbenzene	10.998	120	6486	0.312	ppbv	97
65) tert-Butylbenzene	11.542	119	20472	0.296	ppbv	97
66) Benzyl Chloride	11.626	91	1471	0.191	ppbv #	95
67) sec-Butylbenzene	11.775	105	32393	0.330	ppbv	100
69) p-Isopropyltoluene	11.937	119	23487	0.281	ppbv	94
70) n-Butylbenzene	12.293	91	21963	0.267	ppbv	98
71) 2-Chlorotoluene	10.914	91	18155	0.304	ppbv	96
72) 4-Ethyltoluene	11.134	105	14989	0.281	ppbv #	98
73) 1,3,5-Trimethylbenzene	11.215	105	12747	0.290	ppbv	100
74) 1,2,4-Trimethylbenzene	11.545	105	15274	0.310	ppbv	93
75) 1,3-Dichlorobenzene	11.617	146	12941	0.453	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	11333	0.394	ppbv	96
77) 1,2-Dichlorobenzene	11.956	146	13460	0.487	ppbv	98
78) Hexachloro-1,3-Butadiene	13.892	225	10223	0.478	ppbv	95
79) Naphthalene	13.526	128	9166	0.178	ppbv #	87
80) Naphthalene,2-methyl-	14.474	142	1088	0.081	ppbv	98
81) 1,2,4-Trichlorobenzene	13.448	180	4454	0.209	ppbv	97

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

Quant Time: Nov 12 00:19:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

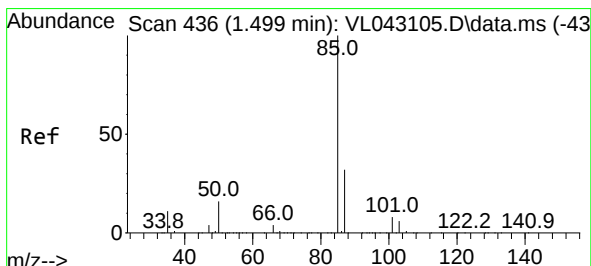
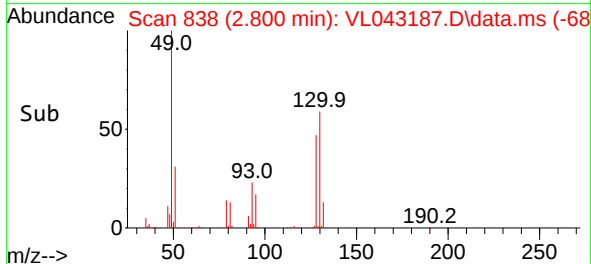
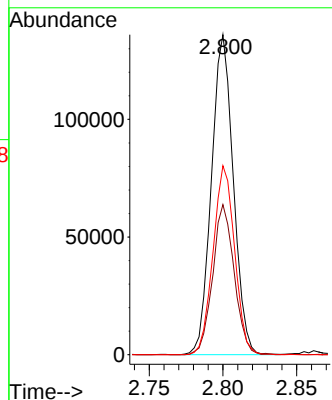
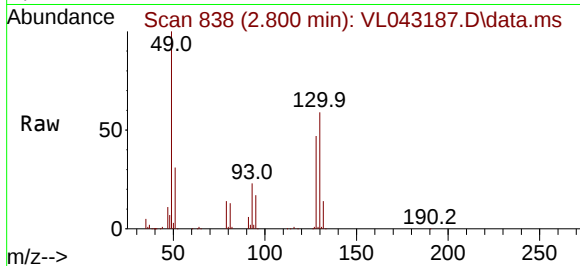




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

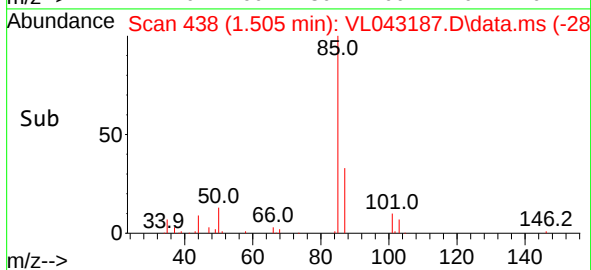
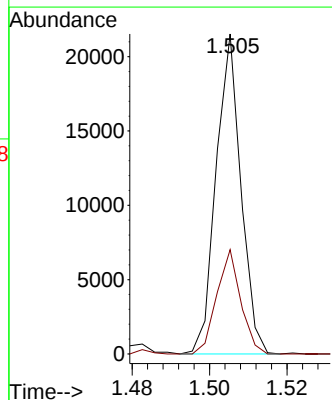
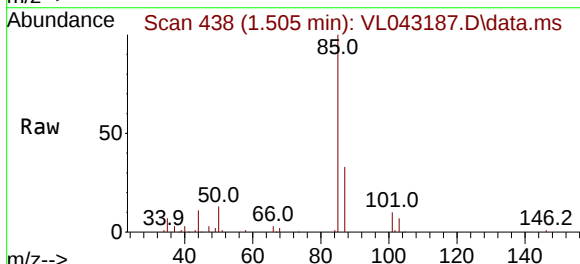
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

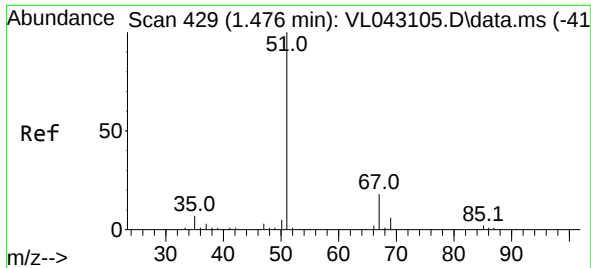
Tgt Ion: 49 Resp: 140266
Ion Ratio Lower Upper
49 100
128 46.2 24.4 73.4
130 58.2 31.0 93.0



#2
Dichlorodifluoromethane
Concen: 0.480 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

Tgt Ion: 85 Resp: 9570
Ion Ratio Lower Upper
85 100
87 32.6 25.3 37.9





#3

Chlorodifluoromethane

Concen: 0.455 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

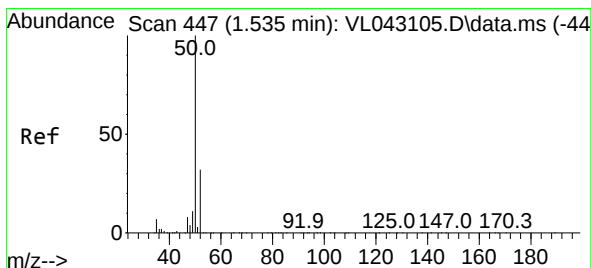
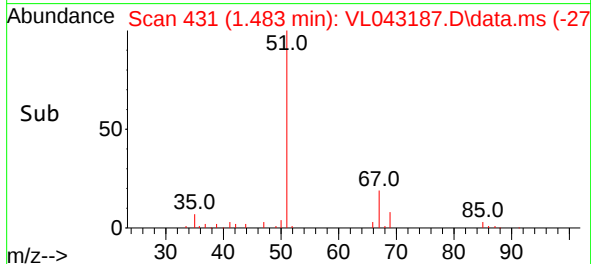
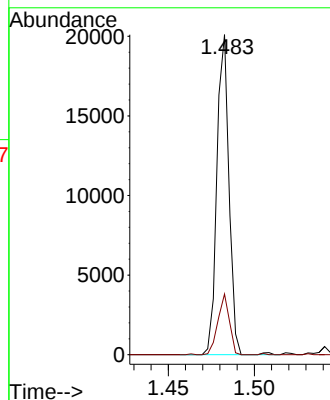
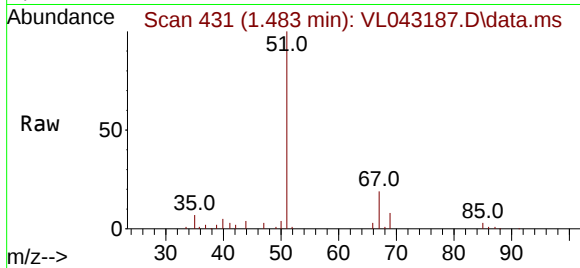
MDL-AIR-03-QT4-2025

Tgt Ion: 51 Resp: 9818

Ion Ratio Lower Upper

51 100

67 18.2 15.1 22.7



#4

Chloromethane

Concen: 0.442 ppbv

RT: 1.541 min Scan# 449

Delta R.T. 0.006 min

Lab File: VL043187.D

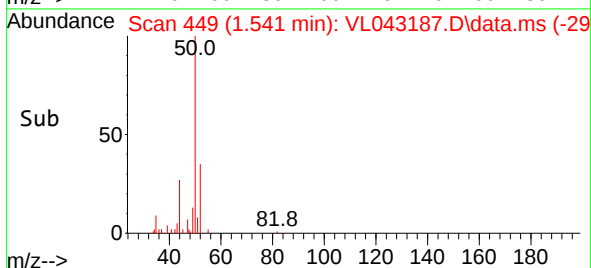
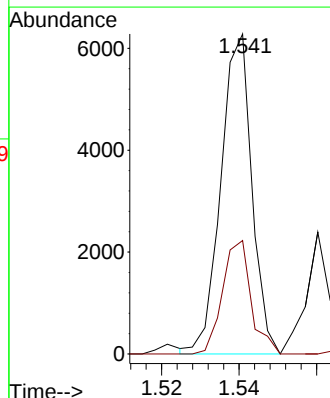
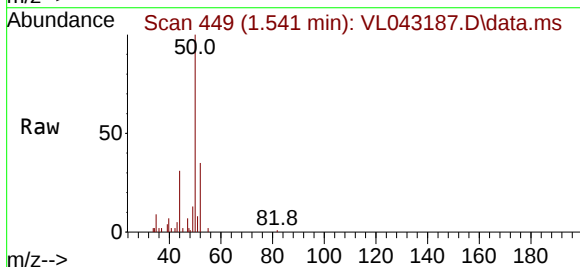
Acq: 11 Nov 2025 12:44

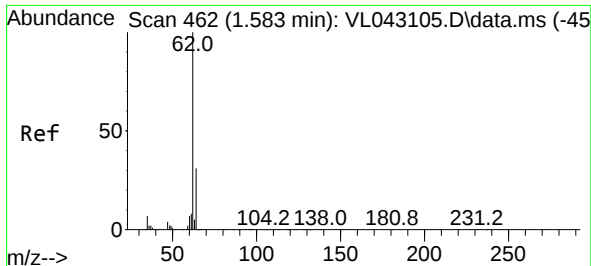
Tgt Ion: 50 Resp: 3489

Ion Ratio Lower Upper

50 100

52 35.5 25.2 37.8

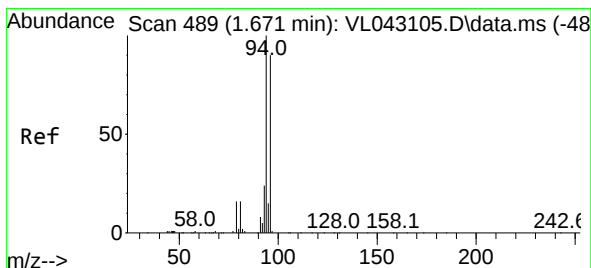
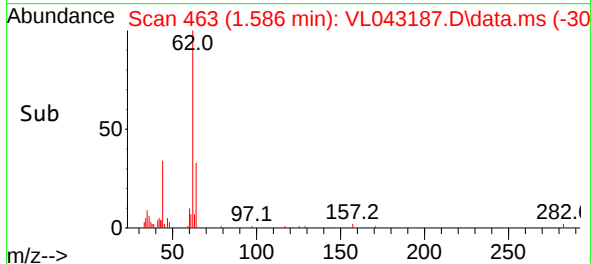
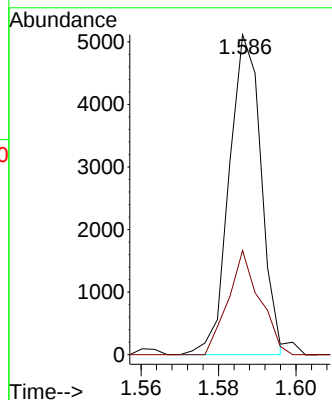
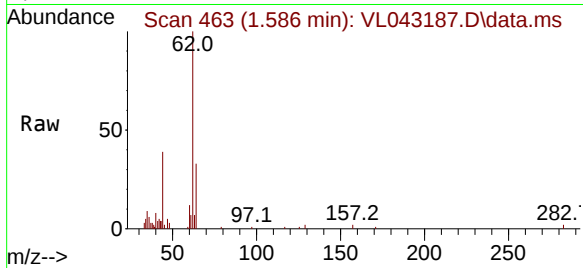




#5
 Vinyl Chloride
 Concen: 0.378 ppbv
 RT: 1.586 min Scan# 409
 Delta R.T. 0.003 min
 Lab File: VL043187.D
 Acq: 11 Nov 2025 12:44

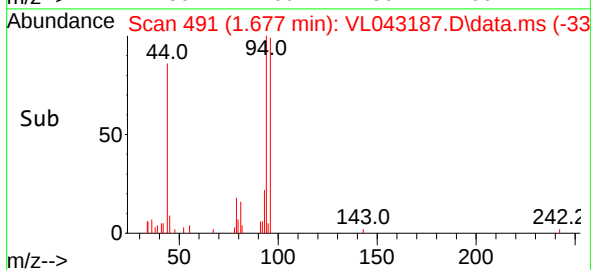
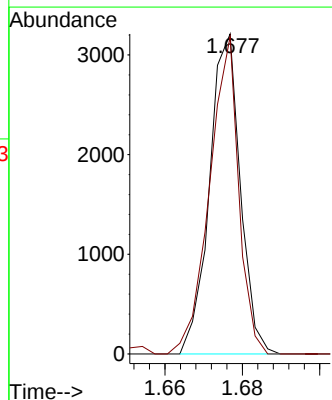
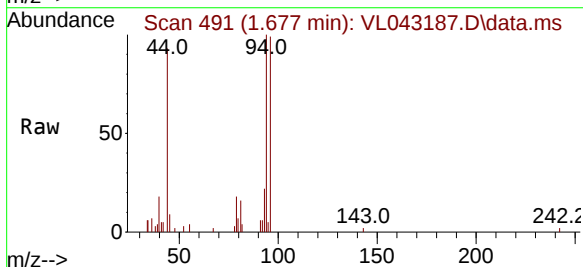
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025

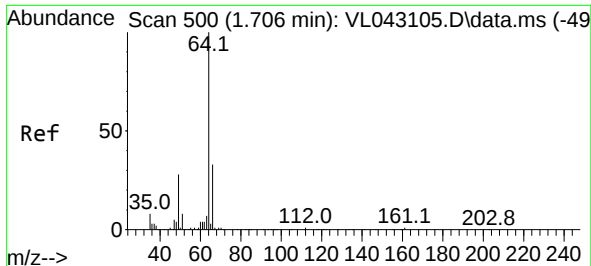
Tgt Ion: 62 Resp: 2927
 Ion Ratio Lower Upper
 62 100
 64 32.6 24.6 36.8



#6
 Bromomethane
 Concen: 0.418 ppbv
 RT: 1.677 min Scan# 491
 Delta R.T. 0.006 min
 Lab File: VL043187.D
 Acq: 11 Nov 2025 12:44

Tgt Ion: 94 Resp: 1777
 Ion Ratio Lower Upper
 94 100
 96 99.2 72.2 108.4

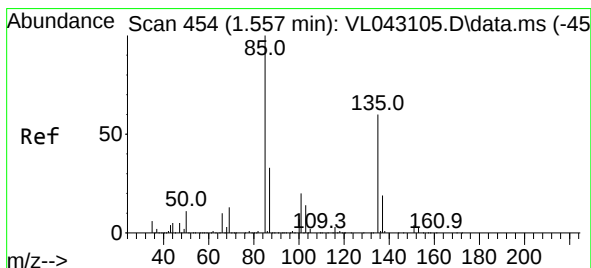
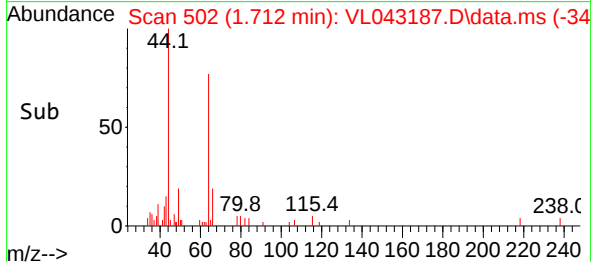
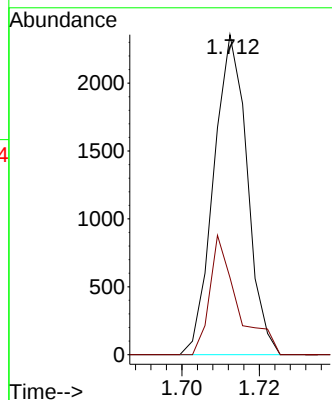
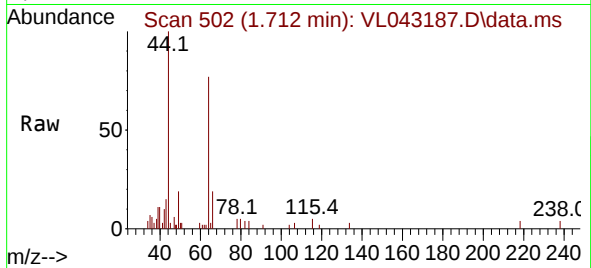




#7
Chloroethane
Concen: 0.447 ppbv
RT: 1.712 min Scan# 500
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

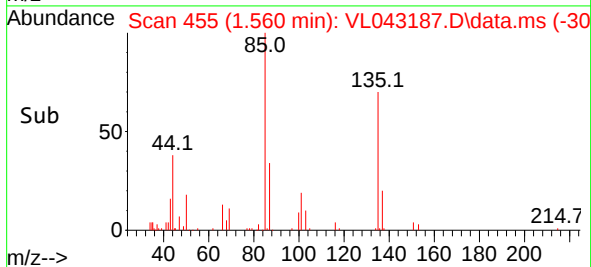
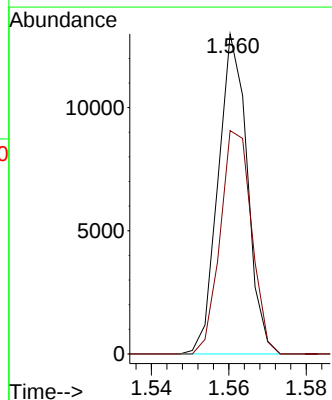
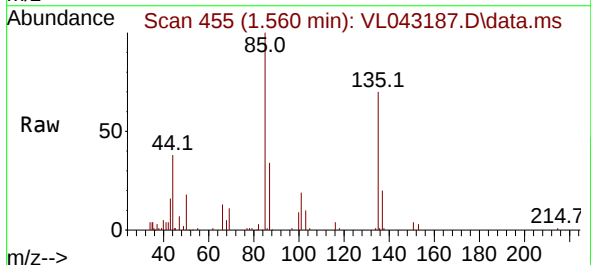
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

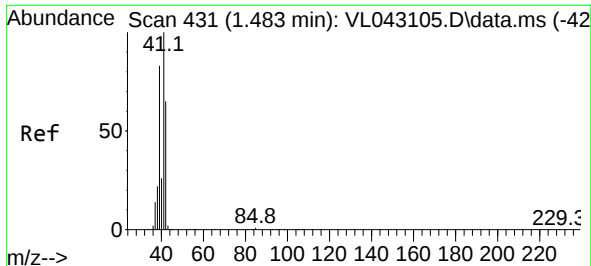
Tgt Ion: 64 Resp: 1416
Ion Ratio Lower Upper
64 100
66 24.1 26.0 39.0#



#8
Dichlorotetrafluoroethane
Concen: 0.420 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.003 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

Tgt Ion: 85 Resp: 6771
Ion Ratio Lower Upper
85 100
135 75.6 48.2 72.4#





#9

Propene

Concen: 0.347 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

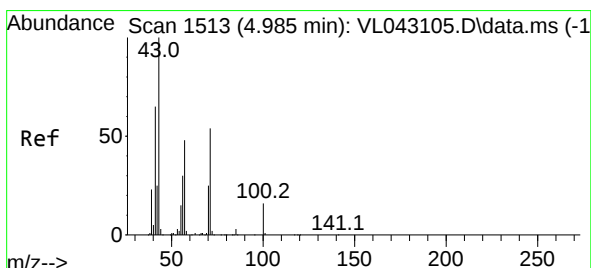
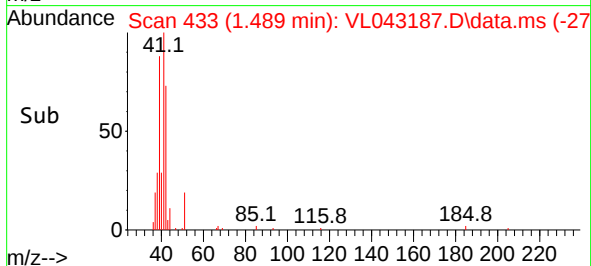
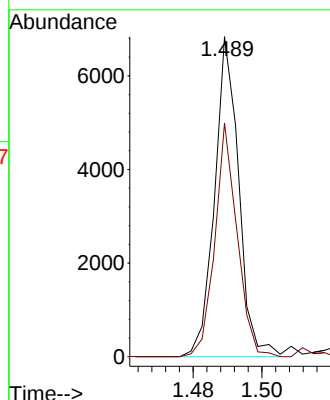
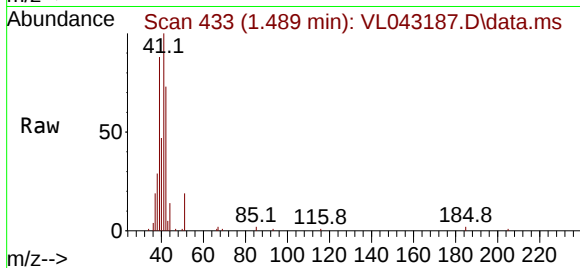
MDL-AIR-03-QT4-2025

Tgt Ion: 41 Resp: 3325

Ion Ratio Lower Upper

41 100

42 69.3 55.1 82.7



#10

Heptane

Concen: 0.147 ppbv

RT: 5.004 min Scan# 1519

Delta R.T. 0.019 min

Lab File: VL043187.D

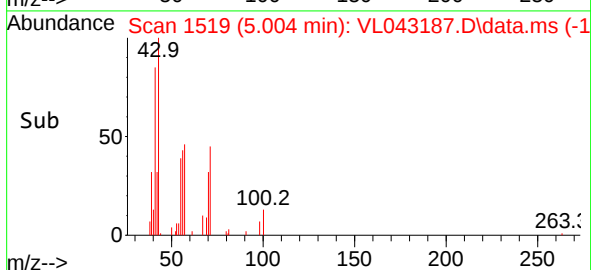
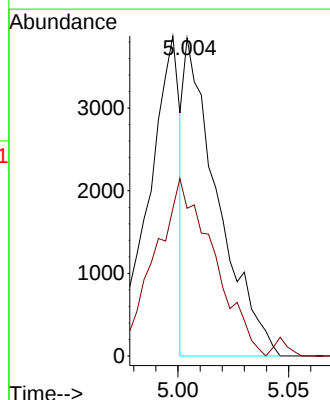
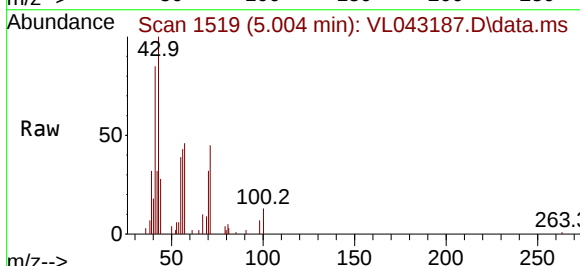
Acq: 11 Nov 2025 12:44

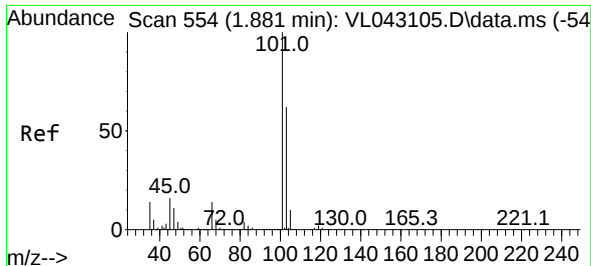
Tgt Ion: 43 Resp: 4037

Ion Ratio Lower Upper

43 100

57 101.8 40.8 61.2#

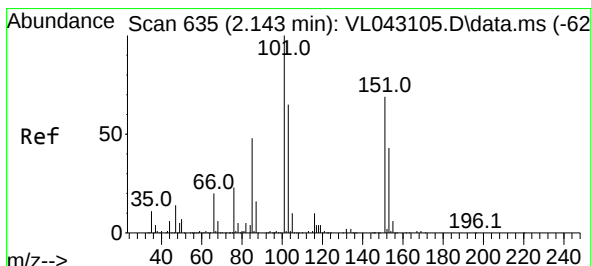
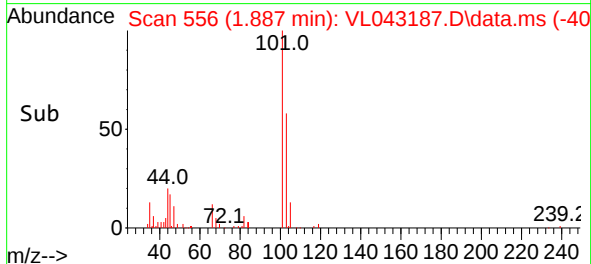
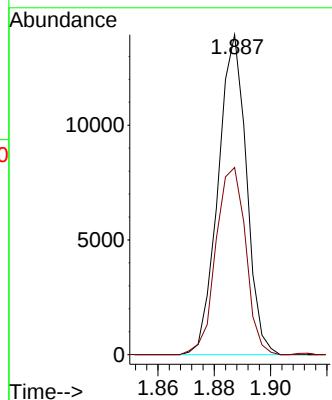
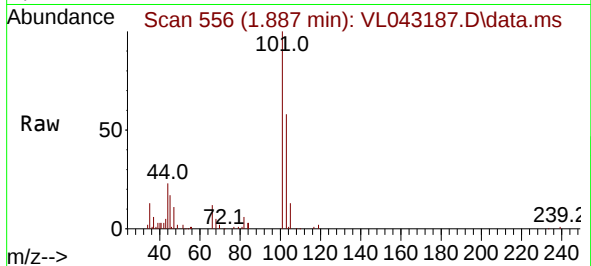




#11
 Trichlorofluoromethane
 Concen: 0.499 ppbv
 RT: 1.887 min Scan# 511
 Delta R.T. 0.006 min
 Lab File: VL043187.D
 Acq: 11 Nov 2025 12:44

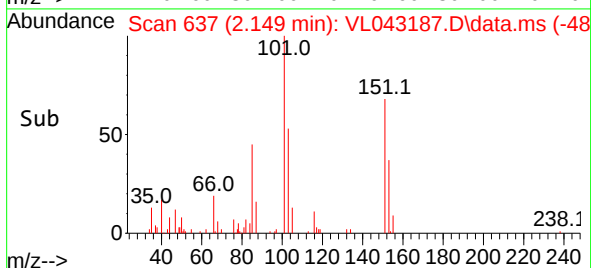
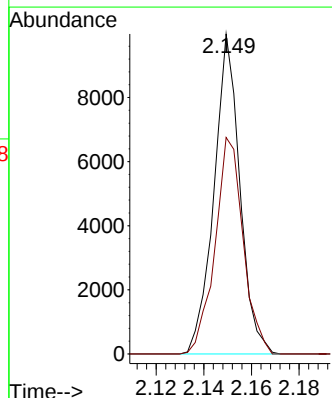
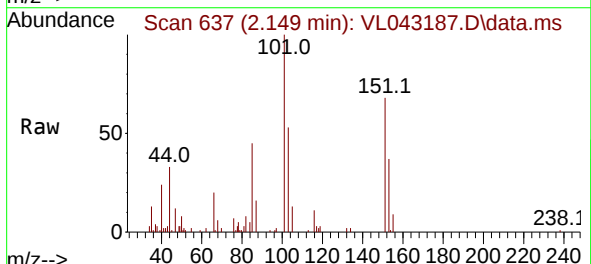
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025

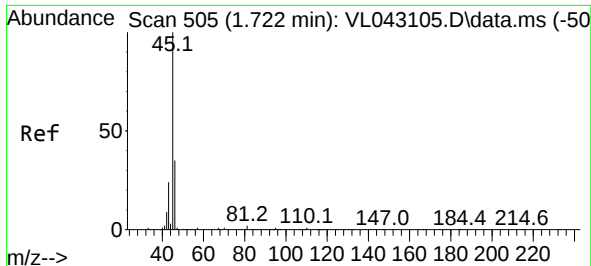
Tgt Ion:101 Resp: 9738
 Ion Ratio Lower Upper
 101 100
 103 58.5 49.3 73.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.480 ppbv
 RT: 2.149 min Scan# 637
 Delta R.T. 0.006 min
 Lab File: VL043187.D
 Acq: 11 Nov 2025 12:44

Tgt Ion:101 Resp: 7542
 Ion Ratio Lower Upper
 101 100
 151 73.4 54.7 82.1

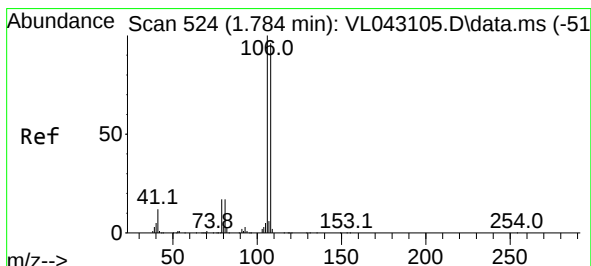
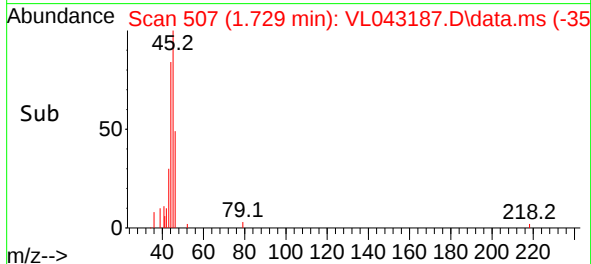
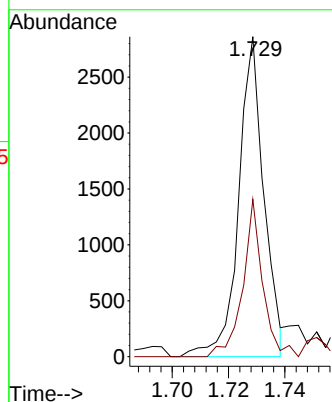
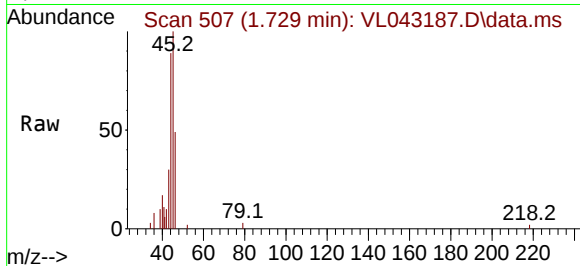




#13
Ethanol
Concen: 0.503 ppbv
RT: 1.729 min Scan# 505
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

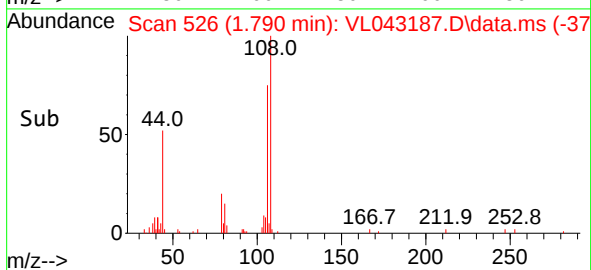
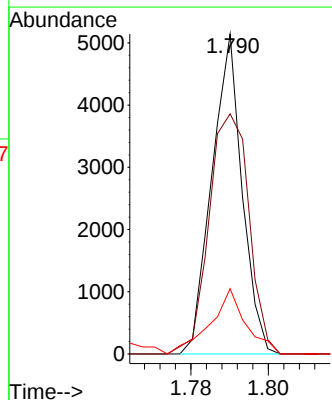
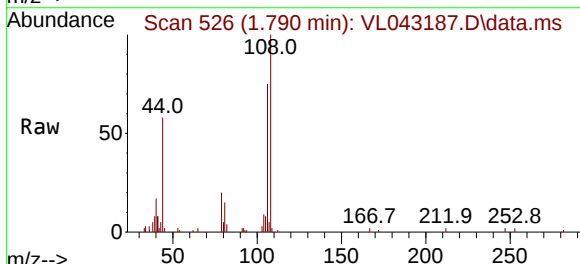
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

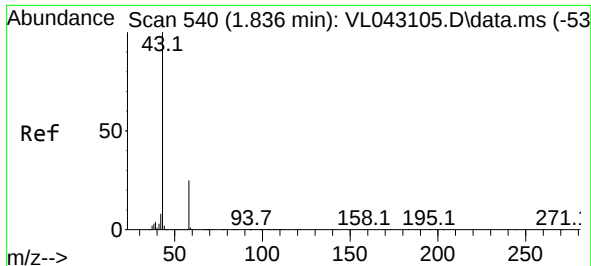
Tgt Ion: 45 Resp: 1780
Ion Ratio Lower Upper
45 100
46 43.4 14.7 58.9



#14
Bromoethene
Concen: 0.478 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

Tgt Ion: 108 Resp: 2791
Ion Ratio Lower Upper
108 100
106 98.7 84.4 126.6
79 29.4 15.3 22.9





#15

Acetone

Concen: 0.588 ppbv

RT: 1.842 min Scan# 54

Delta R.T. 0.006 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

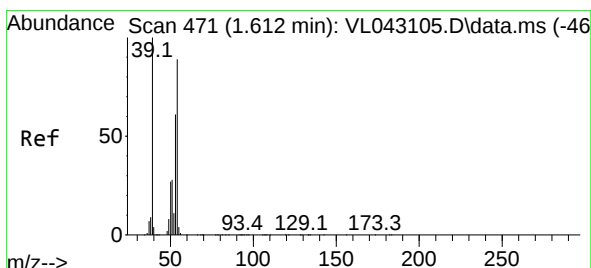
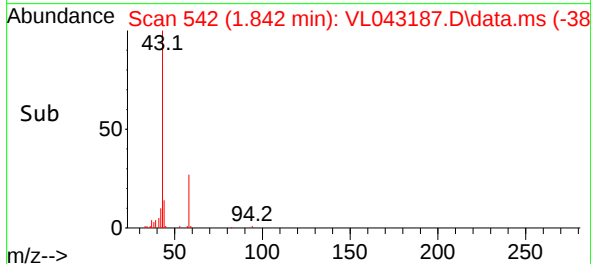
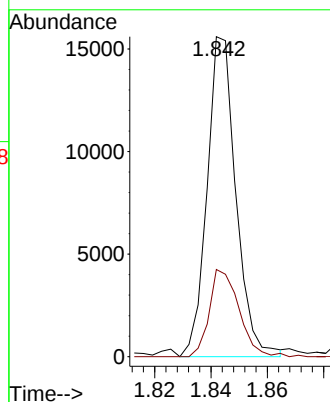
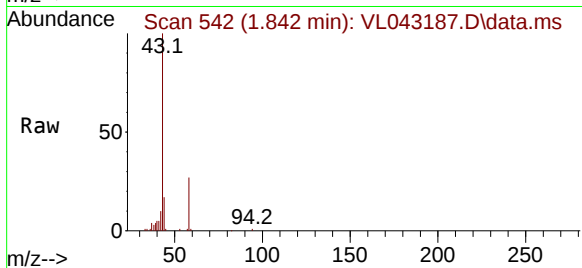
MDL-AIR-03-QT4-2025

Tgt Ion: 43 Resp: 11108

Ion Ratio Lower Upper

43 100

58 28.1 20.8 31.2



#16

1,3-Butadiene

Concen: 0.341 ppbv

RT: 1.615 min Scan# 472

Delta R.T. 0.003 min

Lab File: VL043187.D

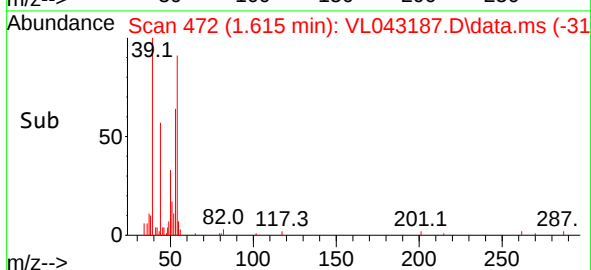
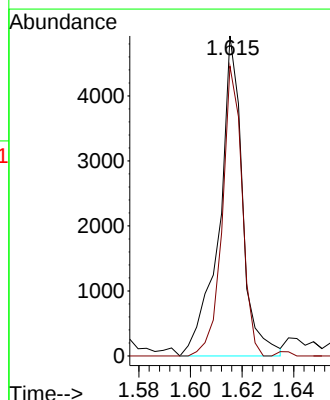
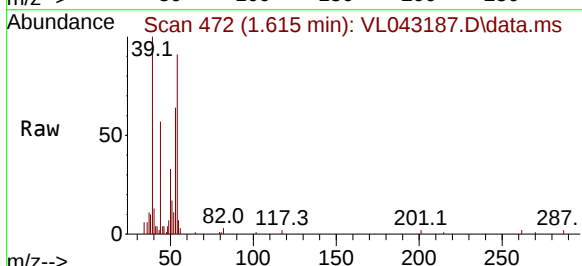
Acq: 11 Nov 2025 12:44

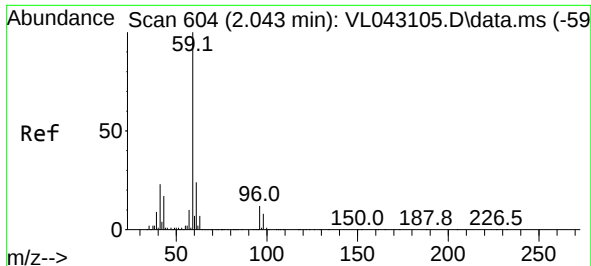
Tgt Ion: 39 Resp: 3076

Ion Ratio Lower Upper

39 100

54 77.7 59.0 88.4





#17

tert-Butyl alcohol

Concen: 0.402 ppbv

RT: 2.049 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

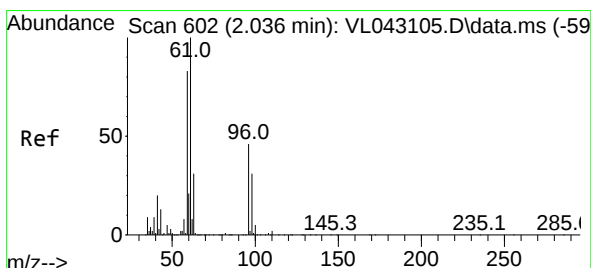
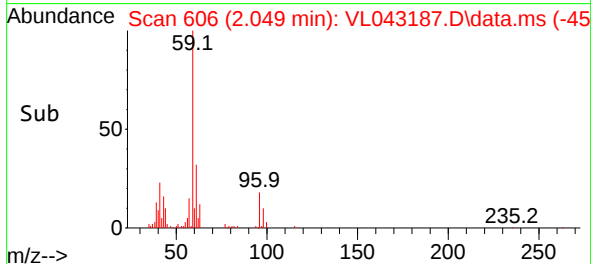
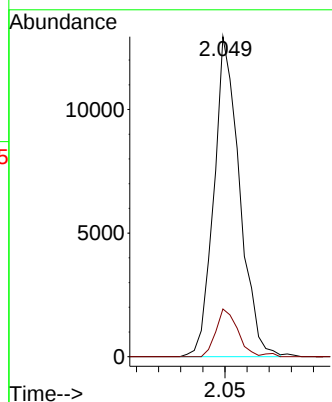
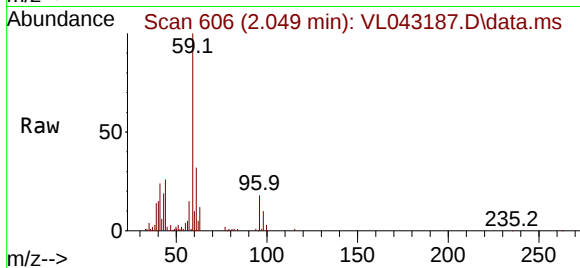
MDL-AIR-03-QT4-2025

Tgt Ion: 59 Resp: 10444

Ion Ratio Lower Upper

59 100

57 13.0 8.2 12.4#



#18

1,1-Dichloroethene

Concen: 0.463 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.010 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

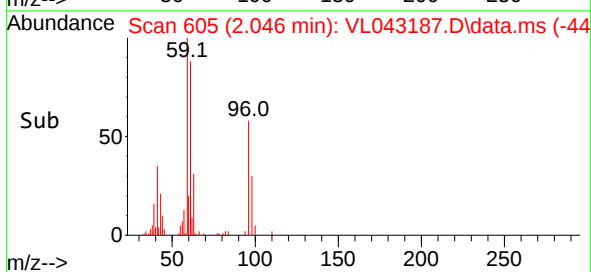
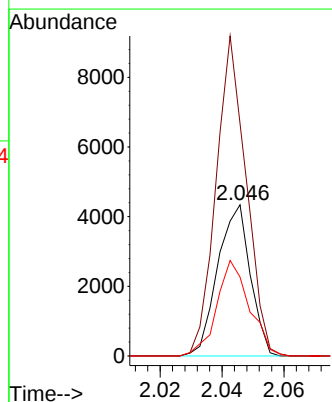
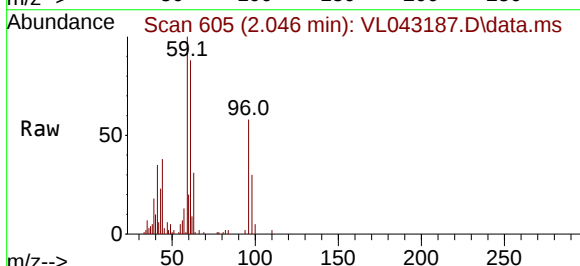
Tgt Ion: 96 Resp: 3172

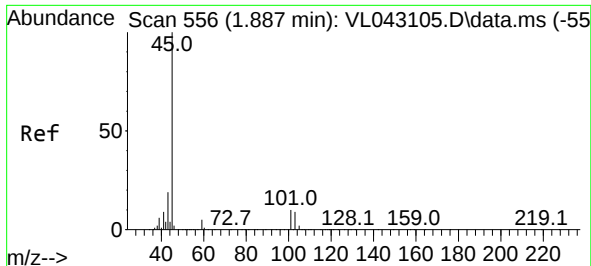
Ion Ratio Lower Upper

96 100

61 153.5 173.4 260.0#

98 52.1 53.2 79.8#





#19

Isopropyl Alcohol

Concen: 0.417 ppbv

RT: 1.894 min Scan# 51

Delta R.T. 0.006 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

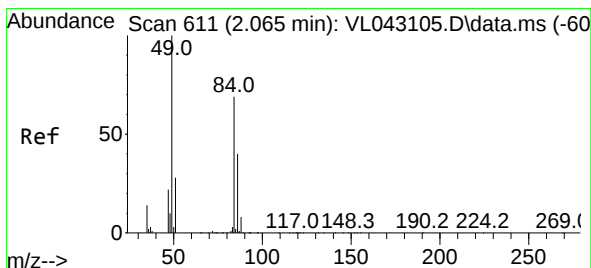
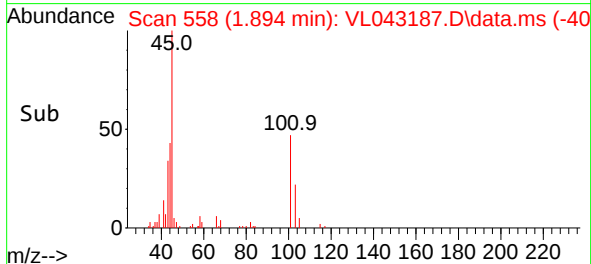
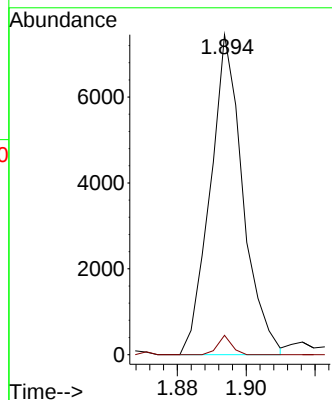
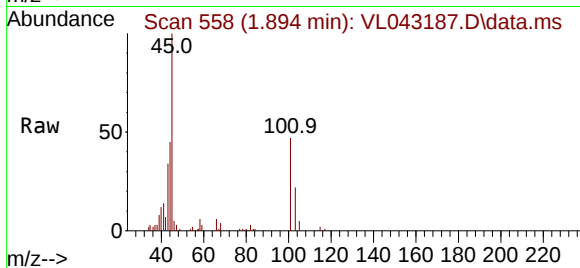
MDL-AIR-03-QT4-2025

Tgt Ion: 45 Resp: 4905

Ion Ratio Lower Upper

45 100

58 2.6 31.3 46.9#



#20

Methylene Chloride

Concen: 0.599 ppbv

RT: 2.072 min Scan# 613

Delta R.T. 0.006 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Tgt Ion: 84 Resp: 4475

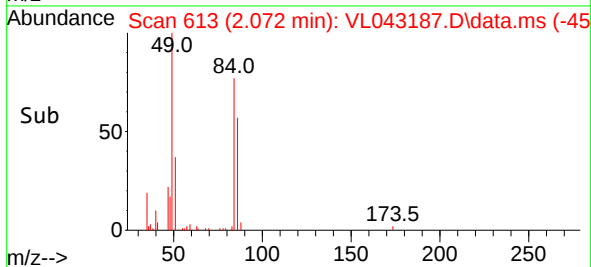
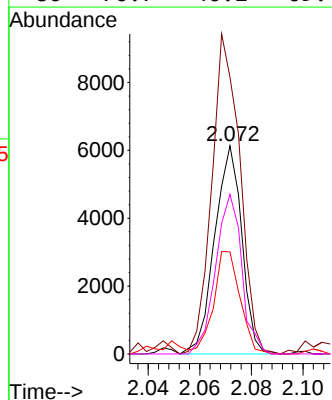
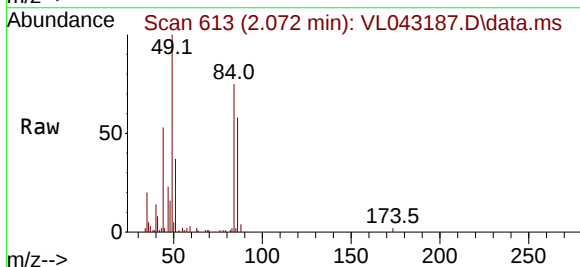
Ion Ratio Lower Upper

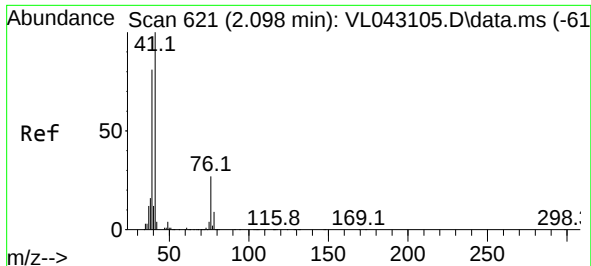
84 100

49 133.1 116.6 175.0

51 49.1 34.8 52.2

86 76.7 46.2 69.4#

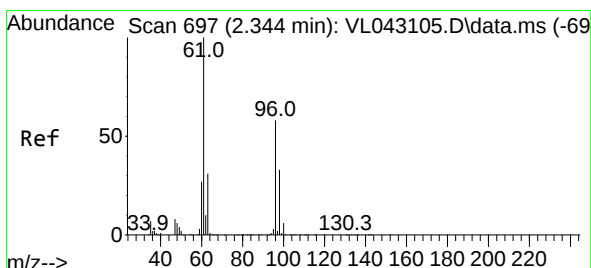
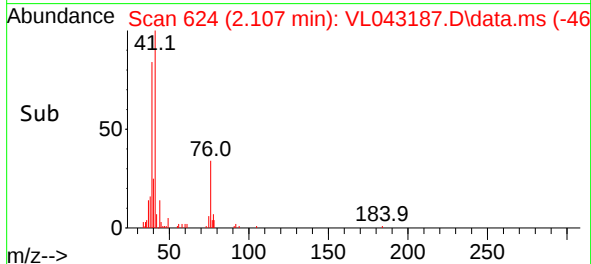
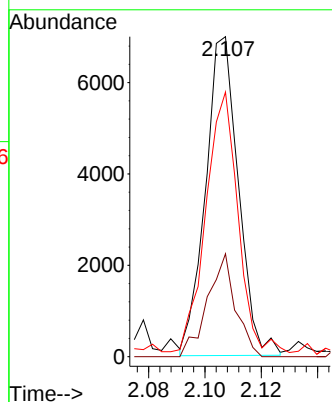
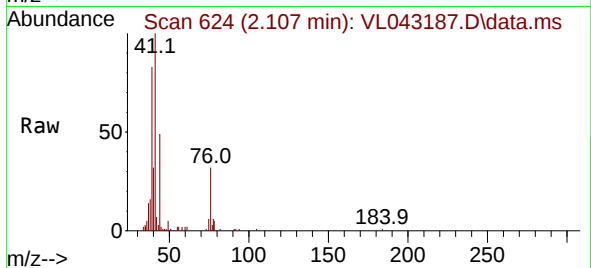




#21
 Allyl Chloride
 Concen: 0.407 ppbv
 RT: 2.107 min Scan# 61
 Delta R.T. 0.010 min
 Lab File: VL043187.D
 Acq: 11 Nov 2025 12:44

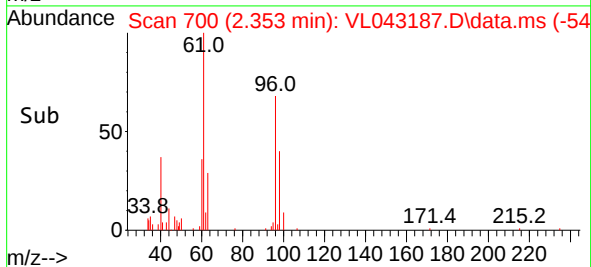
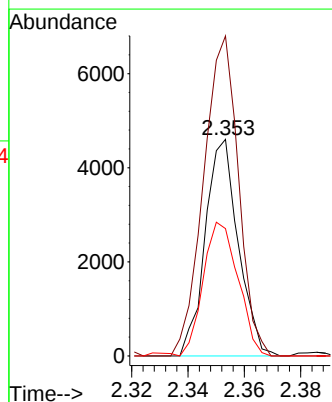
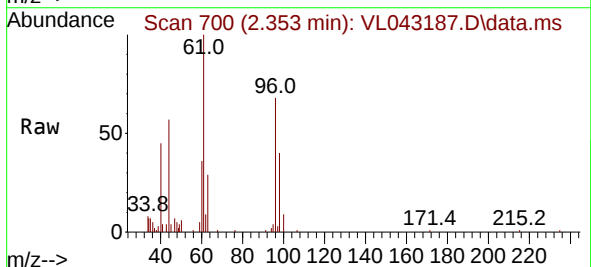
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025

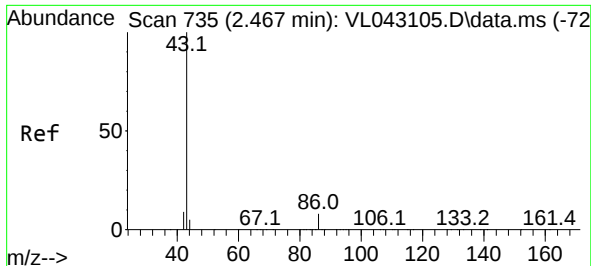
Tgt Ion: 41 Resp: 5671
 Ion Ratio Lower Upper
 41 100
 76 27.5 21.5 32.3
 39 80.0 60.8 91.2



#22
 trans-1,2-Dichloroethene
 Concen: 0.458 ppbv
 RT: 2.353 min Scan# 700
 Delta R.T. 0.010 min
 Lab File: VL043187.D
 Acq: 11 Nov 2025 12:44

Tgt Ion: 96 Resp: 3747
 Ion Ratio Lower Upper
 96 100
 61 147.7 137.0 205.6
 98 58.8 45.5 68.3

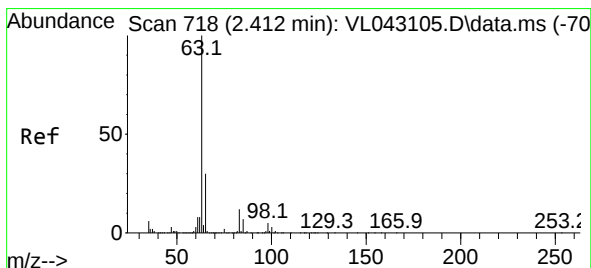
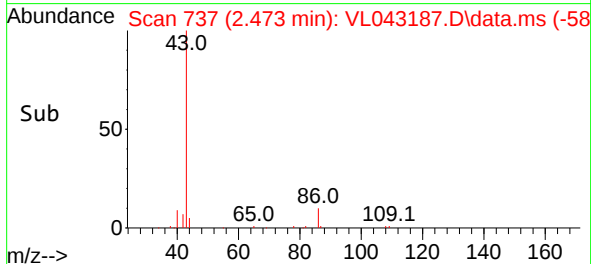
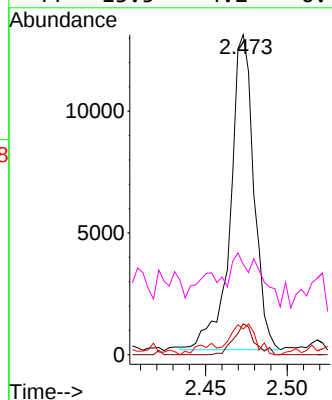
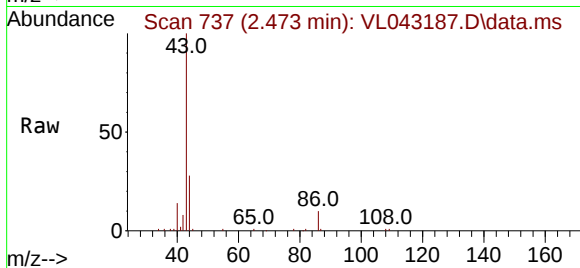




#23
 Vinyl Acetate
 Concen: 0.468 ppbv
 RT: 2.473 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VL043187.D
 Acq: 11 Nov 2025 12:44

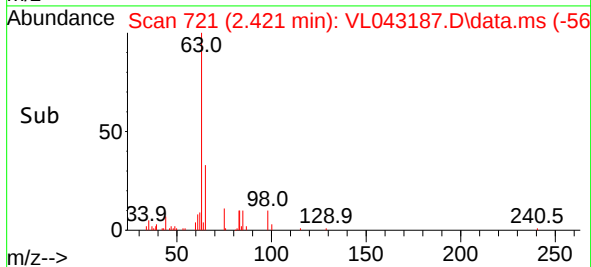
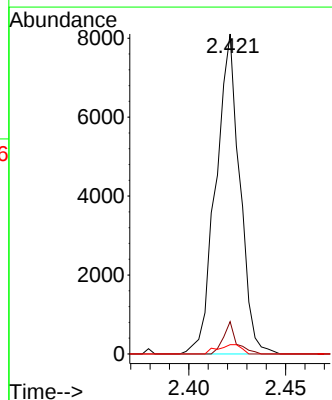
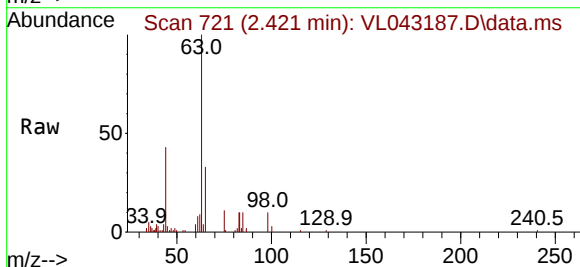
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025

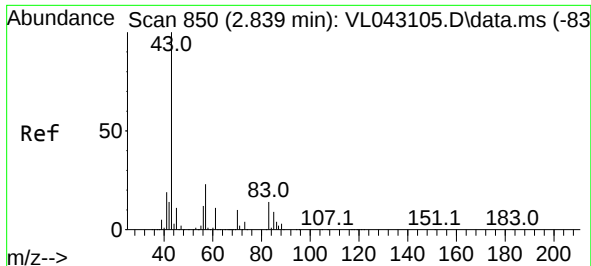
Tgt Ion: 43	Resp: 12963
Ion Ratio	Lower Upper
43	100
86	10.4 6.2 9.2#
42	8.2 7.6 11.4
44	13.5 4.2 6.4#



#24
 1,1-Dichloroethane
 Concen: 0.441 ppbv
 RT: 2.421 min Scan# 721
 Delta R.T. 0.010 min
 Lab File: VL043187.D
 Acq: 11 Nov 2025 12:44

Tgt Ion: 63	Resp: 6967
Ion Ratio	Lower Upper
63	100
98	10.1 2.6 7.8#
100	2.9 1.5 4.4

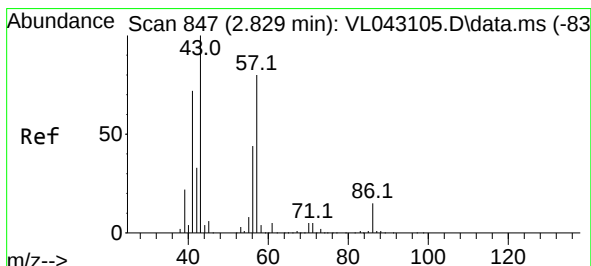
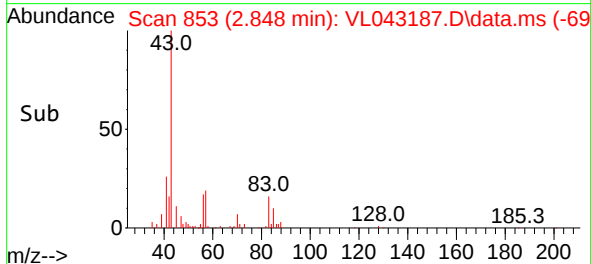
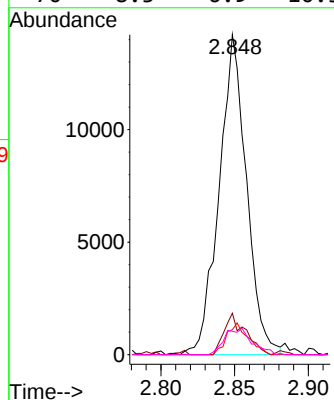
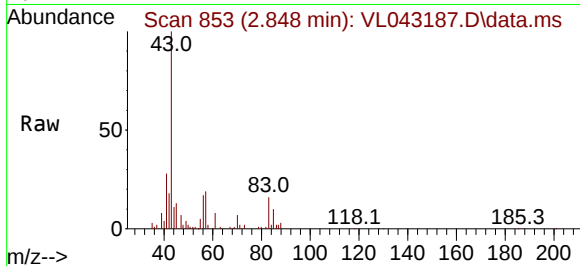




#25
Ethyl Acetate
Concen: 0.393 ppbv
RT: 2.848 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

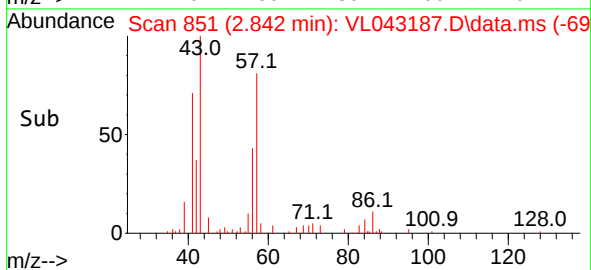
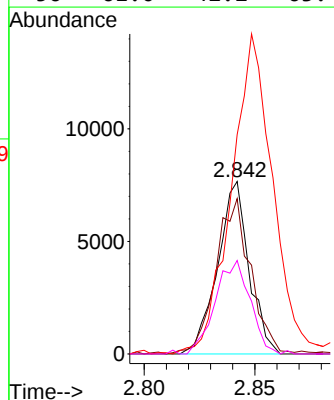
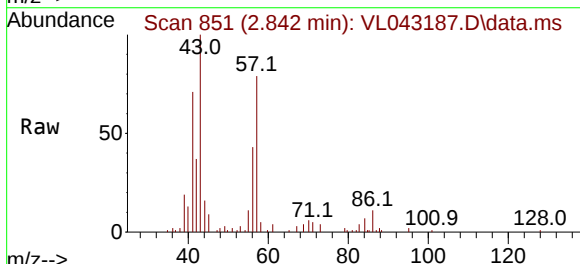
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

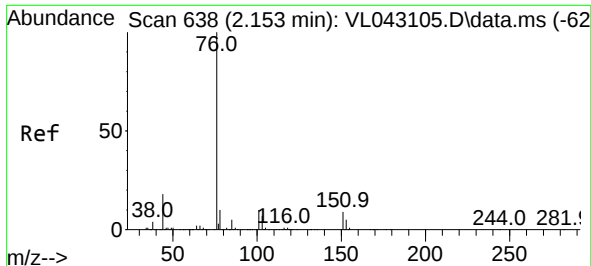
Tgt Ion: 43	Resp: 18408
Ion Ratio	Lower Upper
43 100	
45 10.9	7.8 11.8
61 7.8	7.0 10.6
70 8.3	6.9 10.3



#26
Hexane
Concen: 0.350 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.013 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

Tgt Ion: 57	Resp: 7568
Ion Ratio	Lower Upper
57 100	
41 101.7	71.4 107.0
43 250.0	178.5 267.7
56 61.0	42.2 63.4





#27

Carbon Disulfide

Concen: 0.428 ppbv

RT: 2.162 min Scan# 641

Delta R.T. 0.010 min

Lab File: VL043187.D

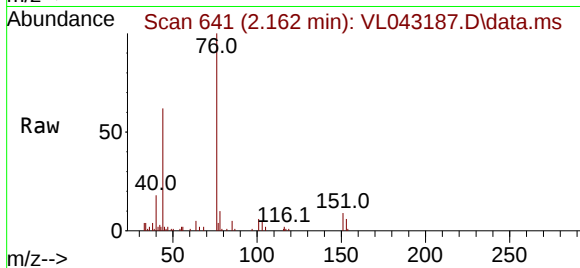
Acq: 11 Nov 2025 12:44

Instrument :

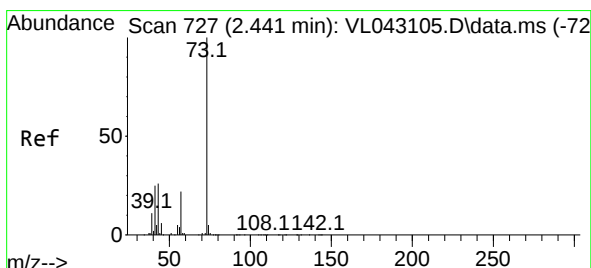
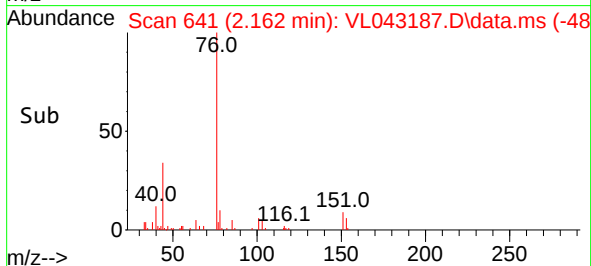
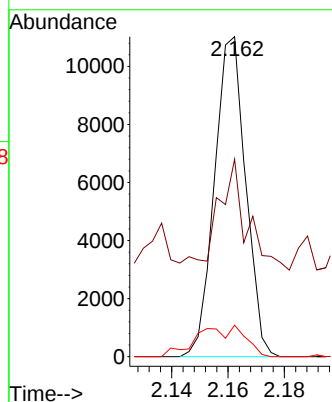
MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025



Tgt Ion: 76	Resp: 8478
Ion Ratio	Lower Upper
76	100
44	130.7 16.7 25.1#
78	14.9 9.3 13.9#



#28

Methyl tert-Butyl Ether

Concen: 0.395 ppbv

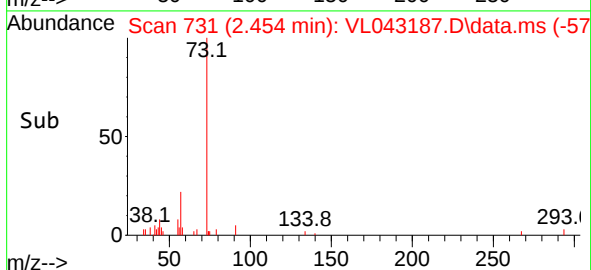
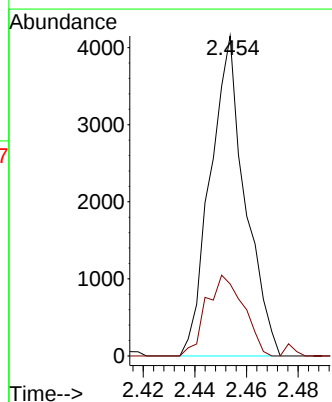
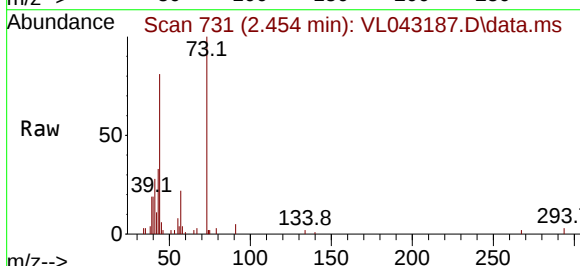
RT: 2.454 min Scan# 731

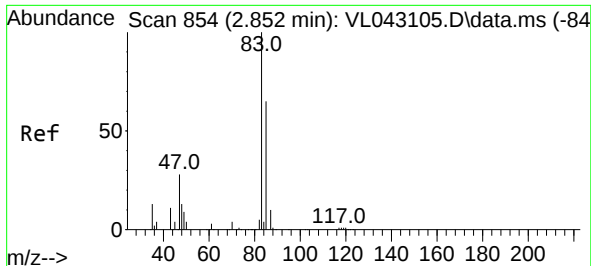
Delta R.T. 0.013 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Tgt Ion: 73	Resp: 3886
Ion Ratio	Lower Upper
73	100
57	28.2 20.5 30.7





#29

Chloroform

Concen: 0.449 ppbv

RT: 2.861 min Scan# 8

Delta R.T. 0.010 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

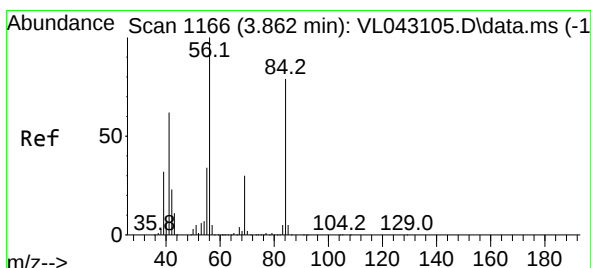
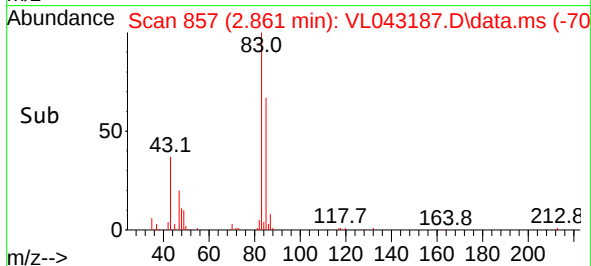
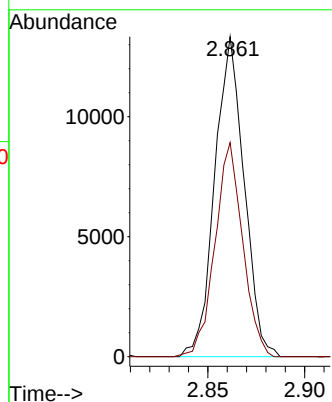
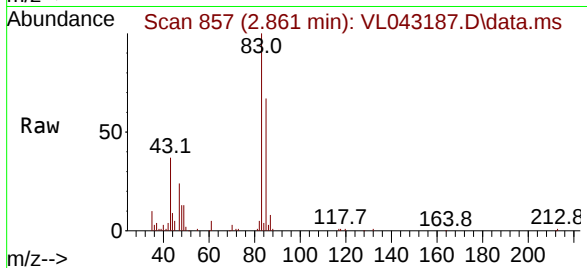
MDL-AIR-03-QT4-2025

Tgt Ion: 83 Resp: 14041

Ion Ratio Lower Upper

83 100

85 66.9 51.8 77.6



#30

Cyclohexane

Concen: 0.270 ppbv

RT: 3.874 min Scan# 1170

Delta R.T. 0.013 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

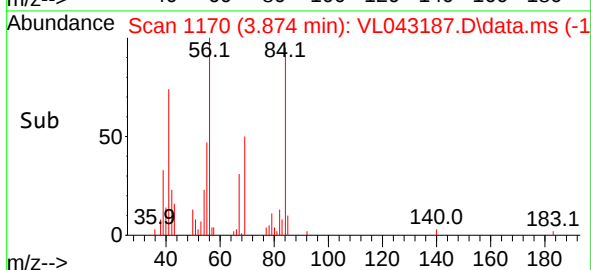
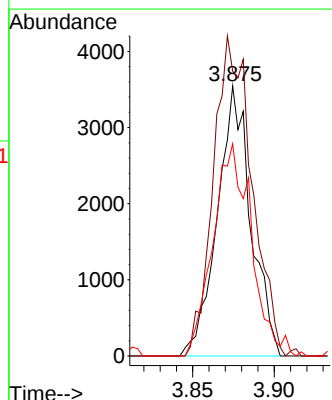
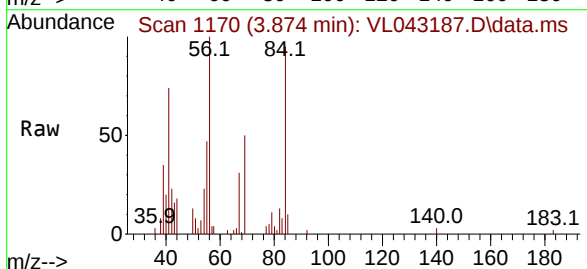
Tgt Ion: 84 Resp: 5082

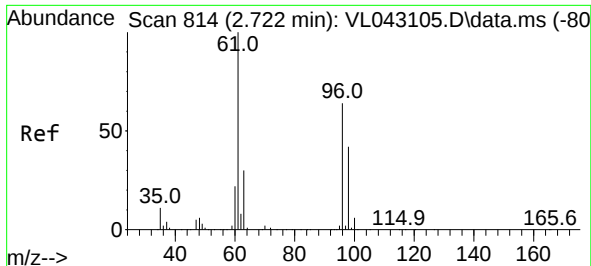
Ion Ratio Lower Upper

84 100

56 136.0 100.9 151.3

41 89.7 63.8 95.6

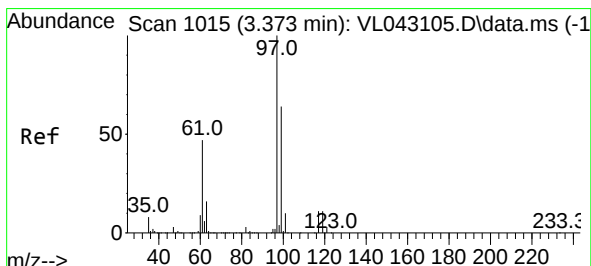
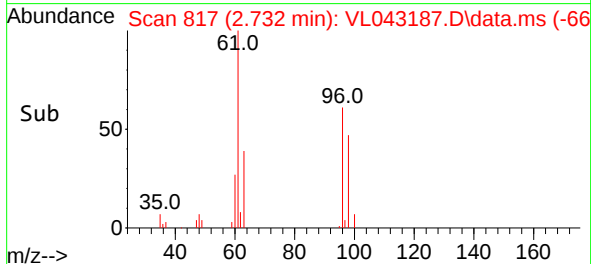
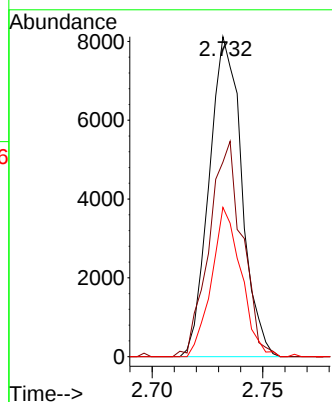
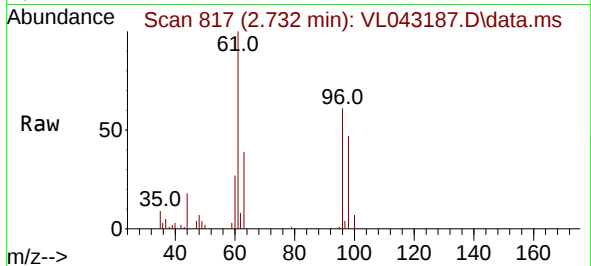




#31
 cis-1,2-Dichloroethene
 Concen: 0.402 ppbv
 RT: 2.732 min Scan# 814
 Delta R.T. 0.010 min
 Lab File: VL043187.D
 Acq: 11 Nov 2025 12:44

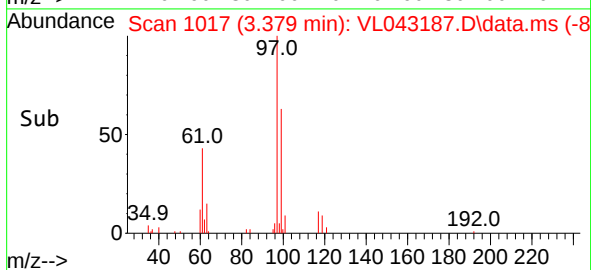
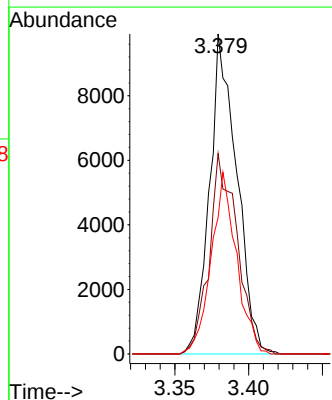
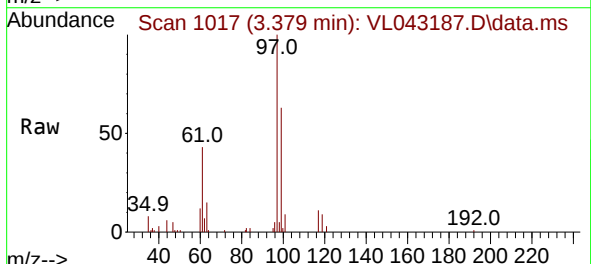
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025

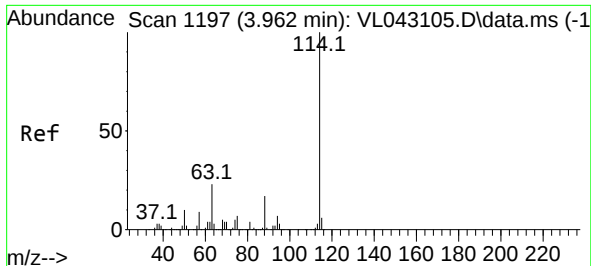
Tgt Ion: 61 Resp: 8290
 Ion Ratio Lower Upper
 61 100
 96 56.2 51.0 76.6
 98 43.1 33.5 50.3



#32
 1,1,1-Trichloroethane
 Concen: 0.389 ppbv
 RT: 3.379 min Scan# 1017
 Delta R.T. 0.006 min
 Lab File: VL043187.D
 Acq: 11 Nov 2025 12:44

Tgt Ion: 97 Resp: 12676
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.3 76.9
 61 52.9 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: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

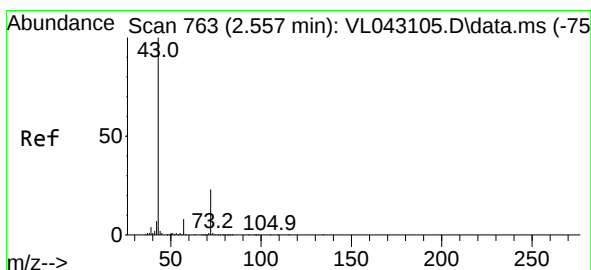
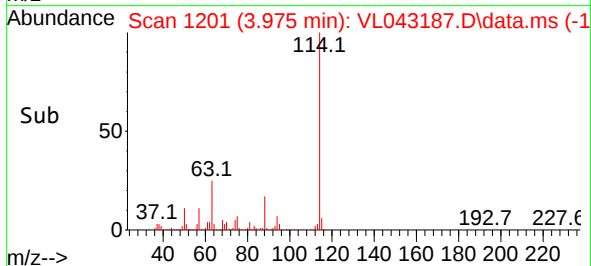
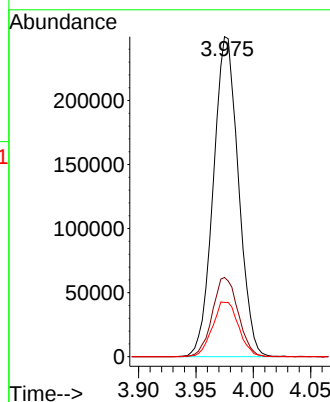
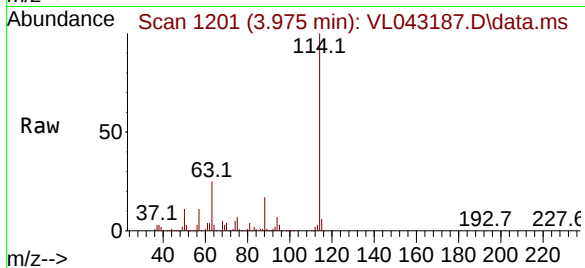
Tgt Ion:114 Resp: 380377

Ion Ratio Lower Upper

114 100

63 25.5 19.3 28.9

88 17.8 13.9 20.9



#34

2-Butanone

Concen: 0.506 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.013 min

Lab File: VL043187.D

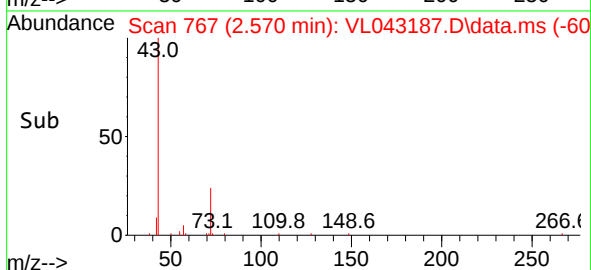
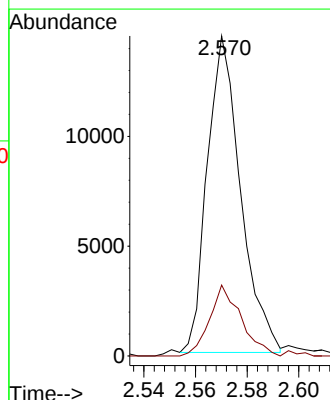
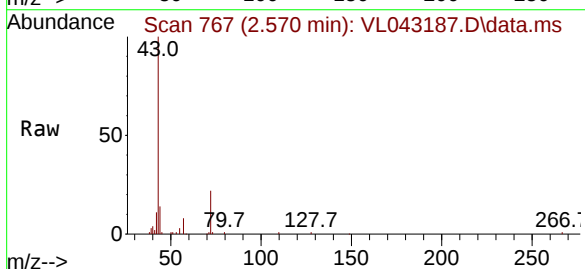
Acq: 11 Nov 2025 12:44

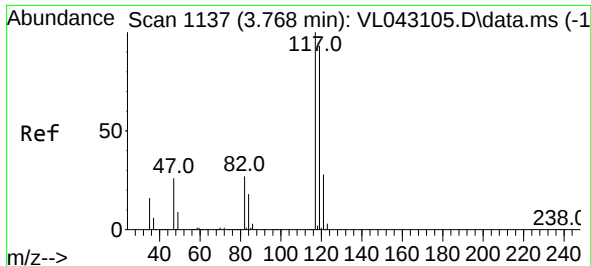
Tgt Ion: 43 Resp: 12933

Ion Ratio Lower Upper

43 100

72 21.9 18.4 27.6

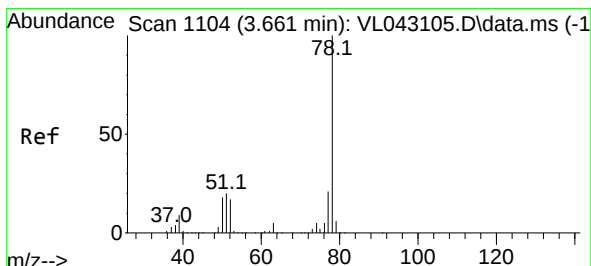
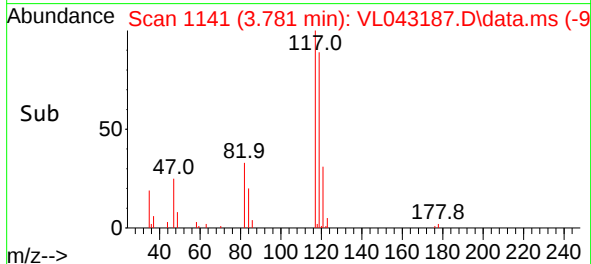
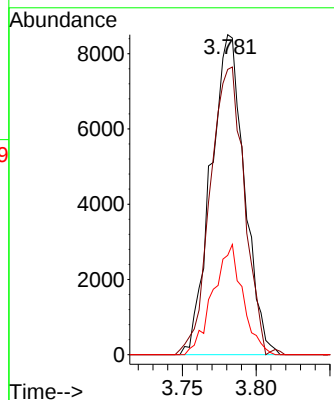
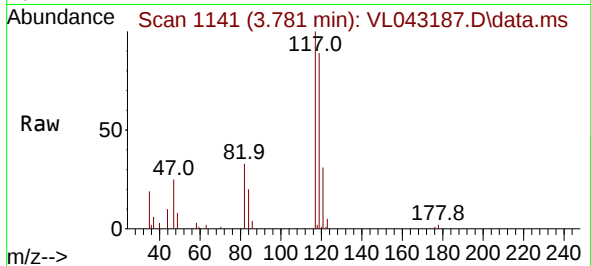




#35
Carbon Tetrachloride
Concen: 0.491 ppbv
RT: 3.781 min Scan# 1137
Delta R.T. 0.013 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

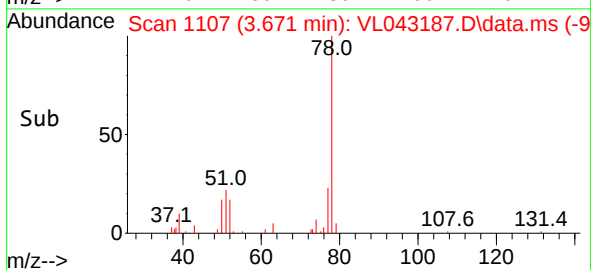
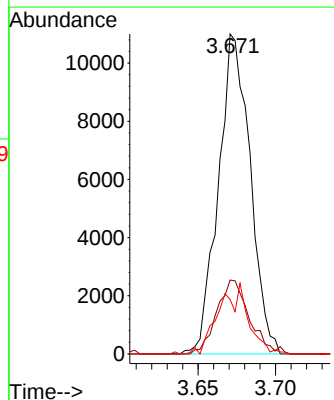
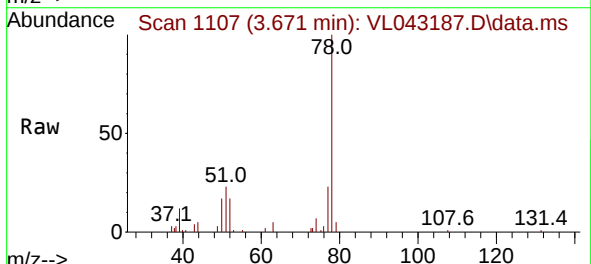
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

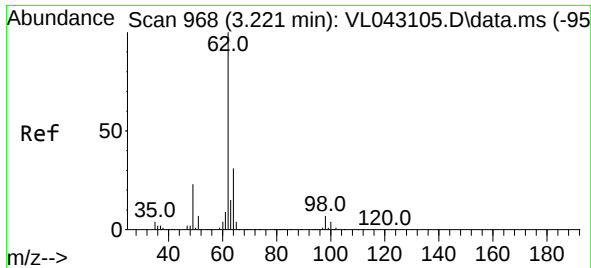
Tgt Ion:117	Resp:	13417
Ion Ratio	Lower	Upper
117	100	
119	88.1	74.1 111.1
121	31.1	22.2 33.2



#36
Benzene
Concen: 0.438 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. 0.010 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

Tgt Ion: 78	Resp:	15702
Ion Ratio	Lower	Upper
78	100	
77	23.1	17.0 25.6
50	17.0	14.6 22.0

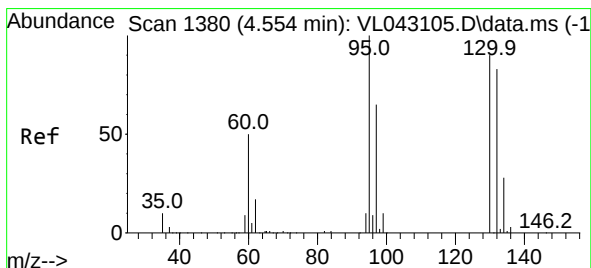
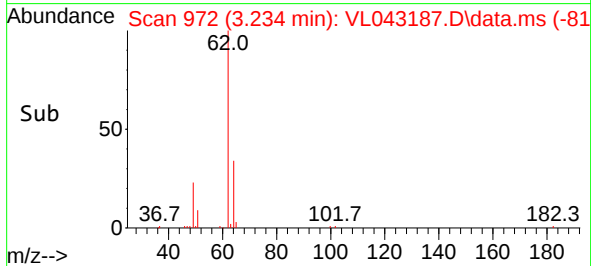
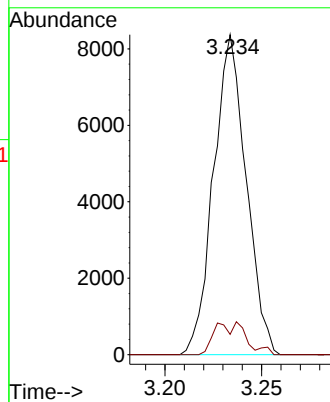
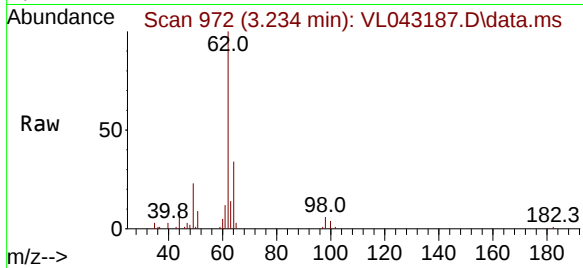




#37
1,2-Dichloroethane
Concen: 0.476 ppbv
RT: 3.234 min Scan# 91
Delta R.T. 0.013 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

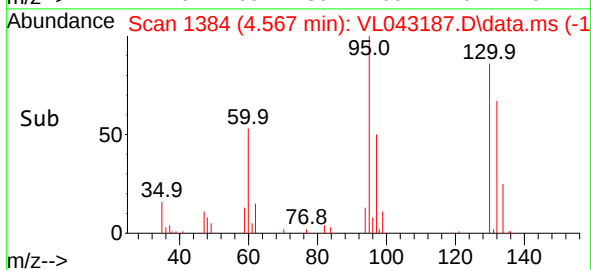
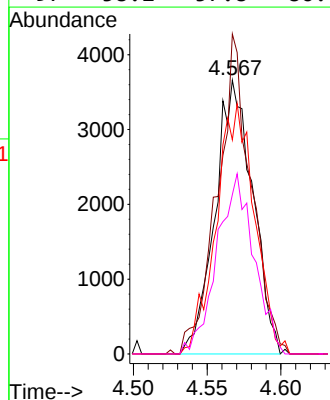
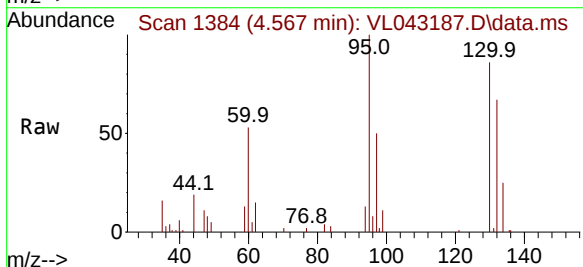
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

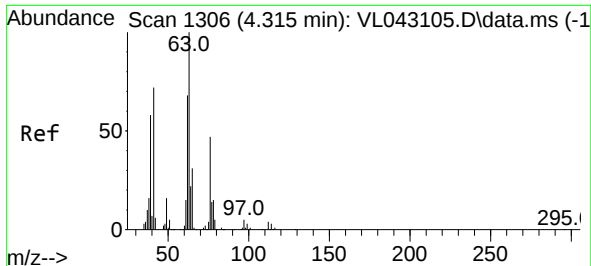
Tgt Ion: 62 Resp: 9814
Ion Ratio Lower Upper
62 100
98 9.9 5.8 8.6#



#38
Trichloroethene
Concen: 0.434 ppbv
RT: 4.567 min Scan# 1384
Delta R.T. 0.013 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

Tgt Ion:130 Resp: 6497
Ion Ratio Lower Upper
130 100
95 116.9 88.6 133.0
132 78.2 73.4 110.0
97 58.2 57.8 86.6





#39

1,2-Dichloropropane

Concen: 0.507 ppbv

RT: 4.337 min Scan# 1313

Delta R.T. 0.022 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

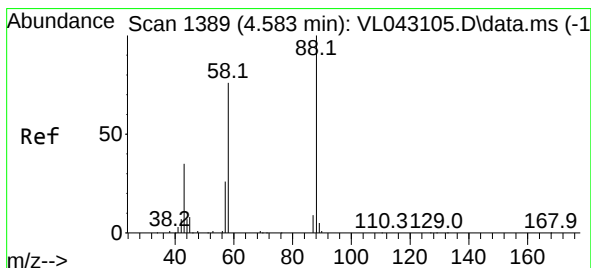
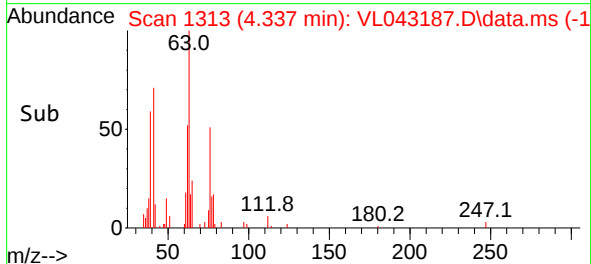
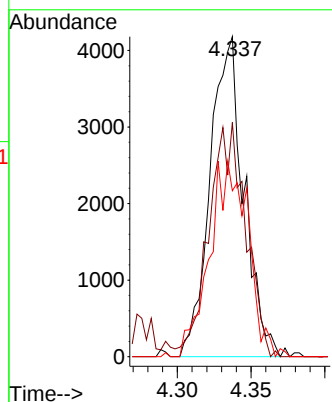
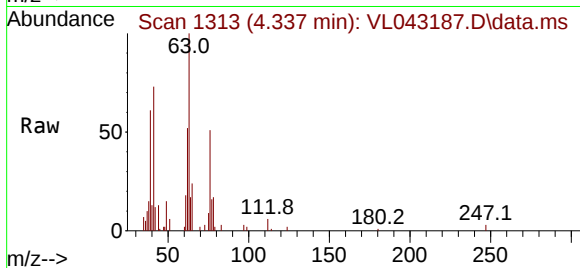
Tgt Ion: 63 Resp: 6645

Ion Ratio Lower Upper

63 100

41 73.2 58.0 87.0

62 51.8 54.7 82.1#



#40

1,4-Dioxane

Concen: 0.121 ppbv

RT: 4.616 min Scan# 1399

Delta R.T. 0.032 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Tgt Ion: 88 Resp: 707

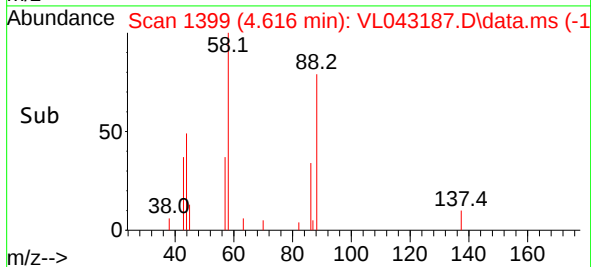
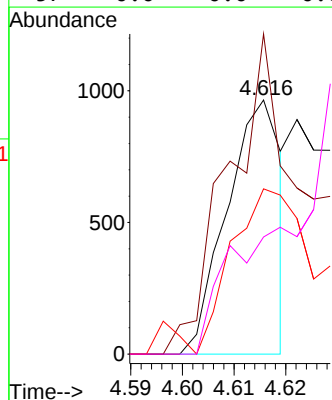
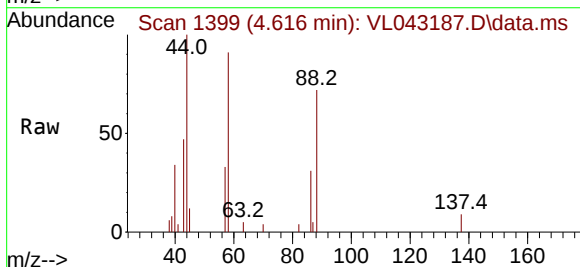
Ion Ratio Lower Upper

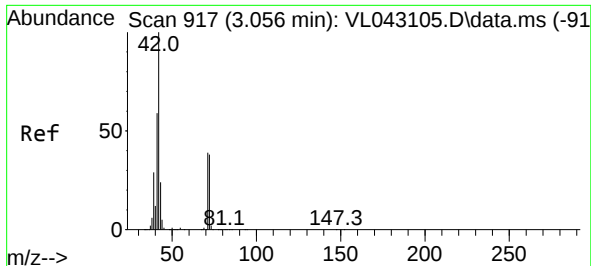
88 100

58 181.3 61.1 91.7#

43 0.0 24.0 36.0#

57 0.0 0.0 0.0

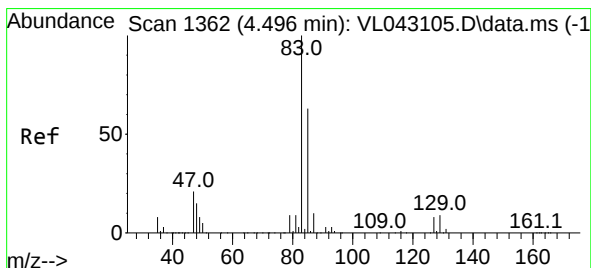
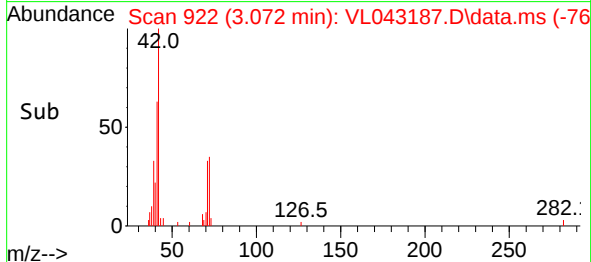
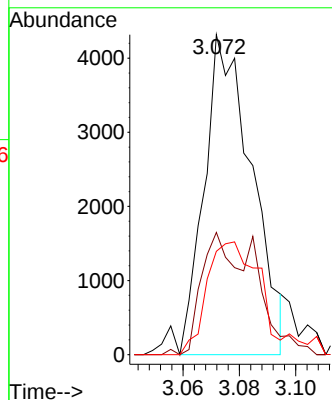
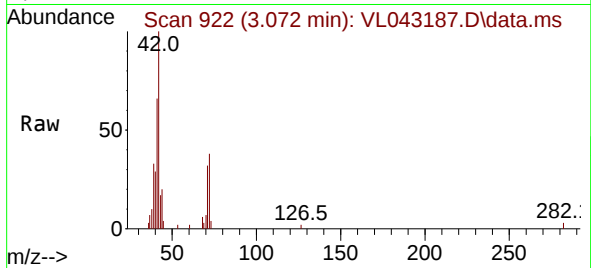




#41
Tetrahydrofuran
Concen: 0.352 ppbv
RT: 3.072 min Scan# 917
Delta R.T. 0.016 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

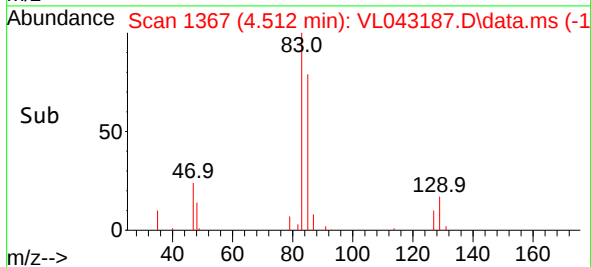
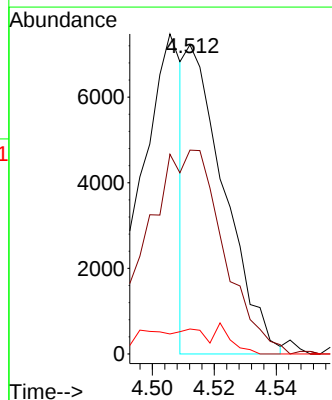
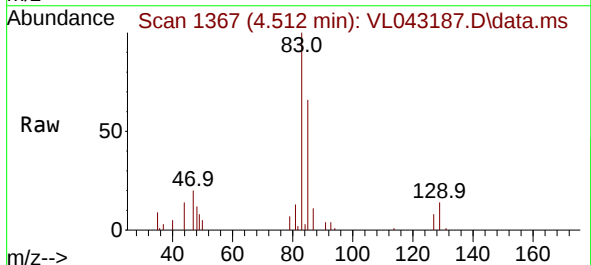
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

Tgt Ion: 42	Resp: 5035
Ion Ratio	Lower Upper
42	100
72	43.2 31.3 46.9
71	42.1 30.4 45.6



#42
Bromodichloromethane
Concen: 0.219 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. 0.016 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

Tgt Ion: 83	Resp: 6244
Ion Ratio	Lower Upper
83	100
85	64.5 50.6 75.8
127	8.3 6.3 9.5

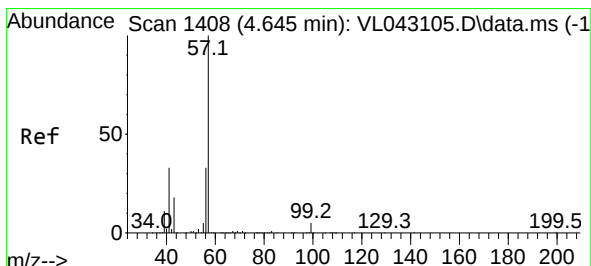
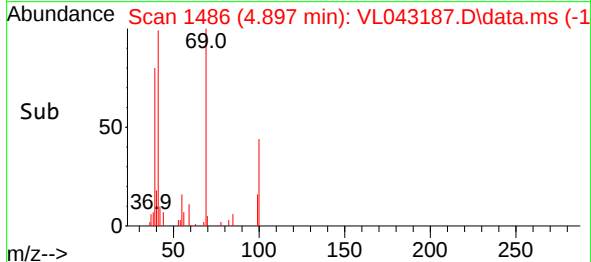
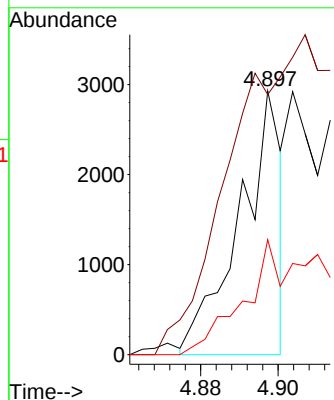
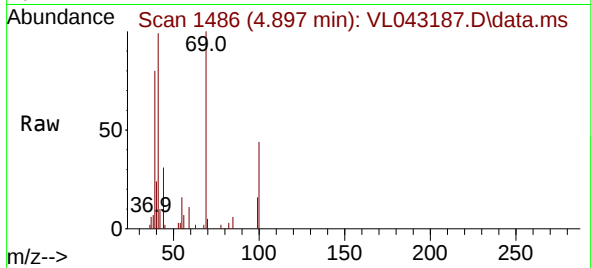




#43
Methyl Methacrylate
Concen: 0.120 ppbv
RT: 4.897 min Scan# 1414
Delta R.T. 0.016 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

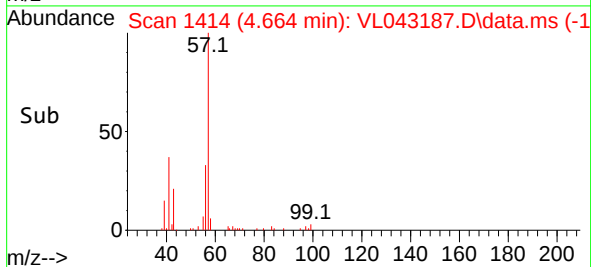
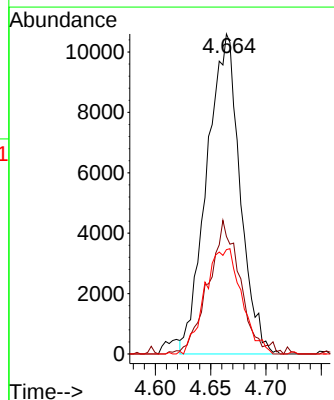
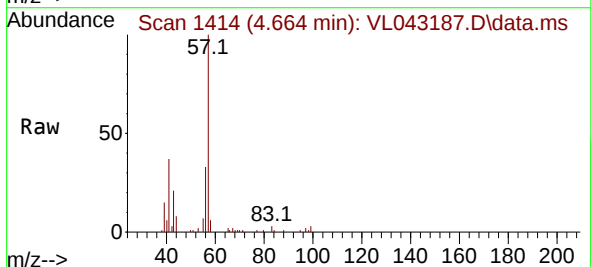
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

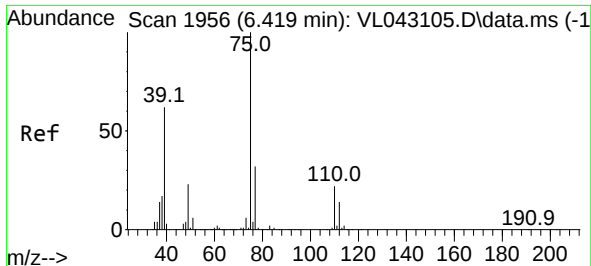
Tgt Ion: 69 Resp: 2191
Ion Ratio Lower Upper
69 100
41 0.0 120.5 180.7#
100 90.1 29.0 43.4#



#44
2,2,4-Trimethylpentane
Concen: 0.366 ppbv
RT: 4.664 min Scan# 1414
Delta R.T. 0.019 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

Tgt Ion: 57 Resp: 22123
Ion Ratio Lower Upper
57 100
41 40.7 26.3 39.5#
56 36.4 25.9 38.9

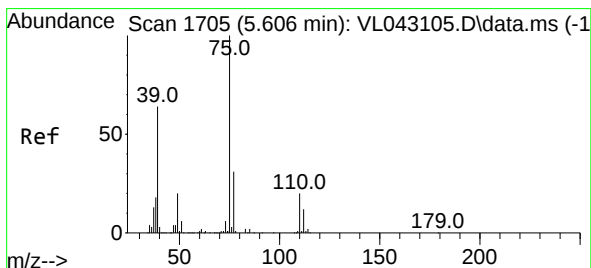
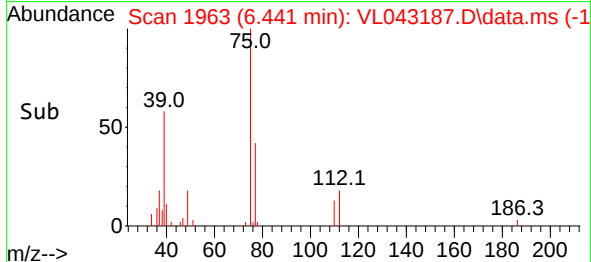
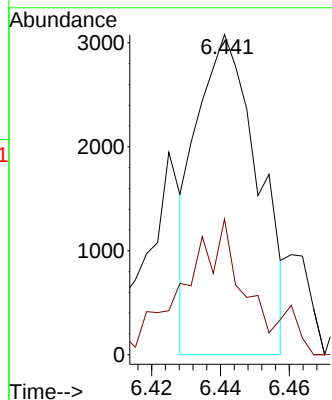
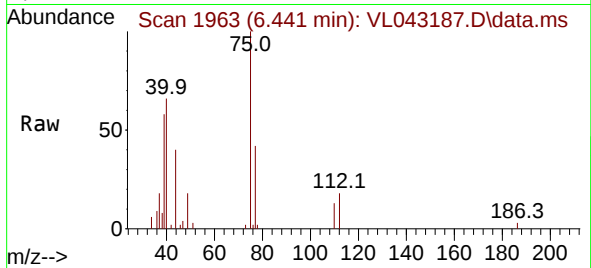




#45
 t-1,3-Dichloropropene
 Concen: 0.209 ppbv
 RT: 6.441 min Scan# 1956
 Delta R.T. 0.022 min
 Lab File: VL043187.D
 Acq: 11 Nov 2025 12:44

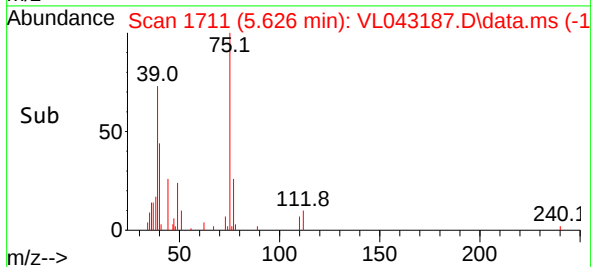
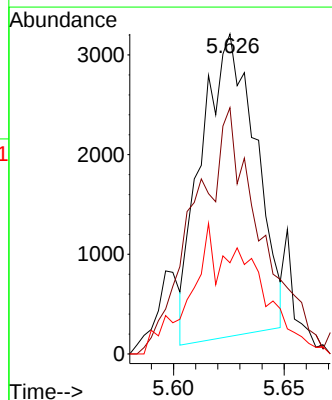
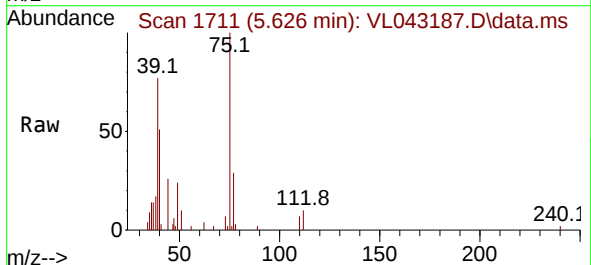
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025

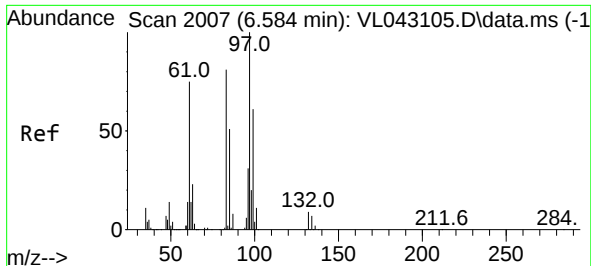
Tgt Ion: 75 Resp: 3814
 Ion Ratio Lower Upper
 75 100
 77 42.4 25.4 38.2#



#46
 cis-1,3-Dichloropropene
 Concen: 0.238 ppbv
 RT: 5.626 min Scan# 1711
 Delta R.T. 0.019 min
 Lab File: VL043187.D
 Acq: 11 Nov 2025 12:44

Tgt Ion: 75 Resp: 5189
 Ion Ratio Lower Upper
 75 100
 39 66.5 51.0 76.6
 77 21.9 25.0 37.4#





#47

1,1,2-Trichloroethane

Concen: 0.187 ppbv

RT: 6.600 min Scan# 2007

Delta R.T. 0.016 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

Tgt Ion: 97 Resp: 2639

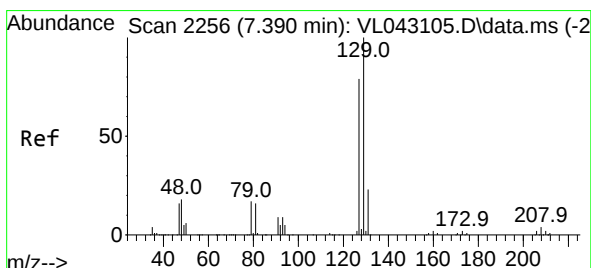
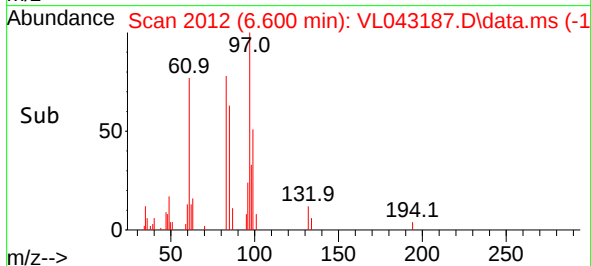
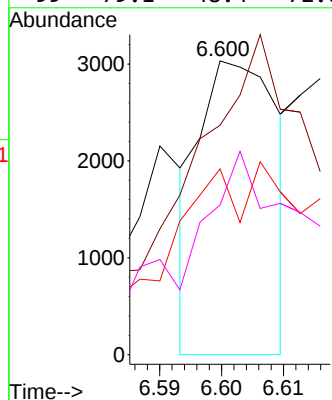
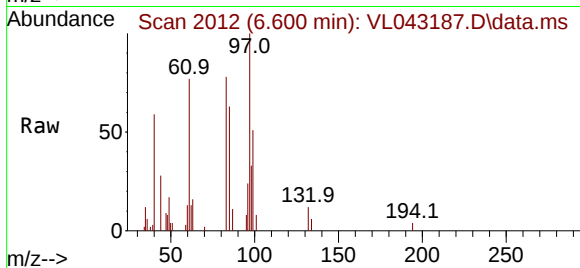
Ion Ratio Lower Upper

97 100

83 65.3 64.6 96.8

85 48.6 40.6 60.8

99 79.1 48.4 72.6#



#48

Dibromochloromethane

Concen: 0.462 ppbv

RT: 7.406 min Scan# 2261

Delta R.T. 0.016 min

Lab File: VL043187.D

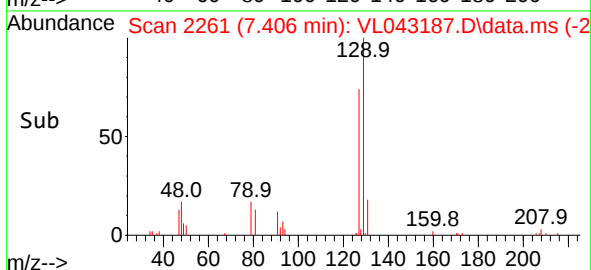
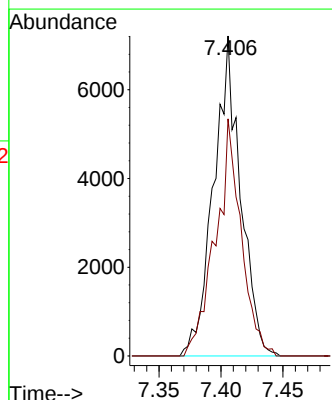
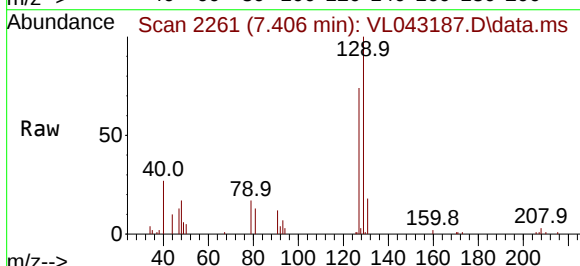
Acq: 11 Nov 2025 12:44

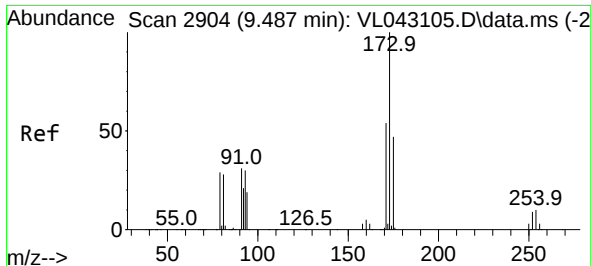
Tgt Ion: 129 Resp: 10914

Ion Ratio Lower Upper

129 100

127 70.5 39.3 117.9





#49

Bromoform

Concen: 0.444 ppbv

RT: 9.493 min Scan# 2904

Delta R.T. 0.006 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

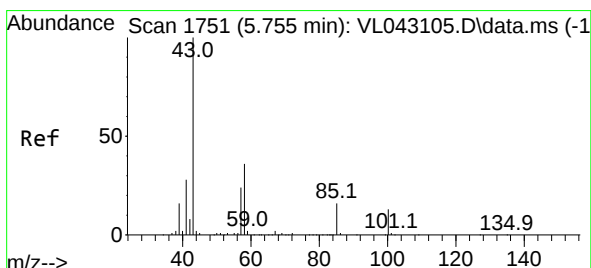
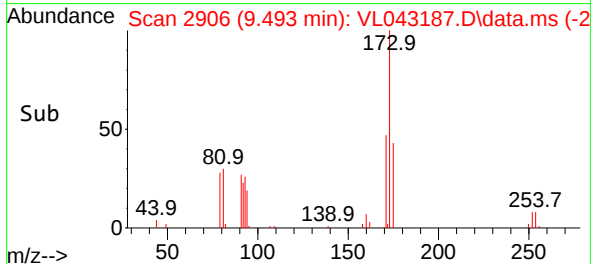
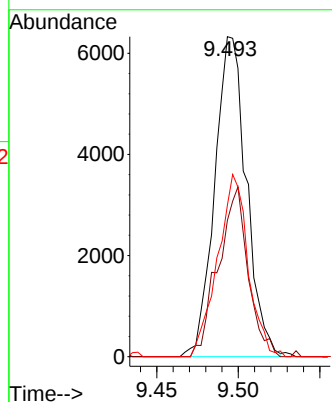
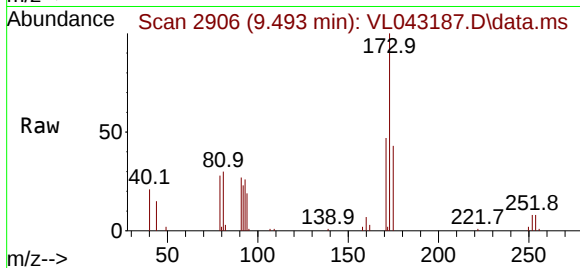
Tgt Ion:173 Resp: 8544

Ion Ratio Lower Upper

173 100

175 50.2 38.8 58.2

171 54.9 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 0.192 ppbv

RT: 5.787 min Scan# 1761

Delta R.T. 0.032 min

Lab File: VL043187.D

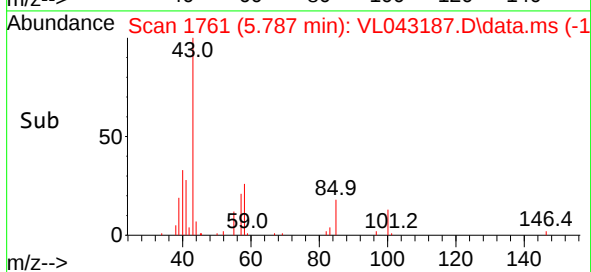
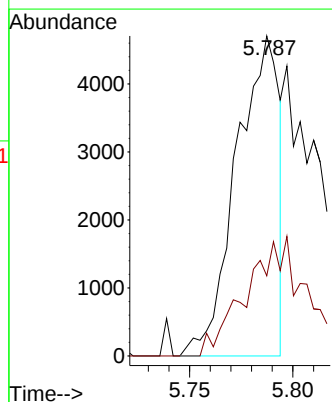
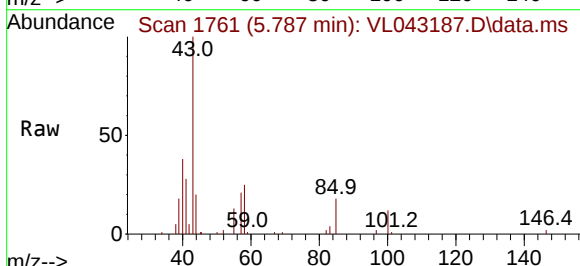
Acq: 11 Nov 2025 12:44

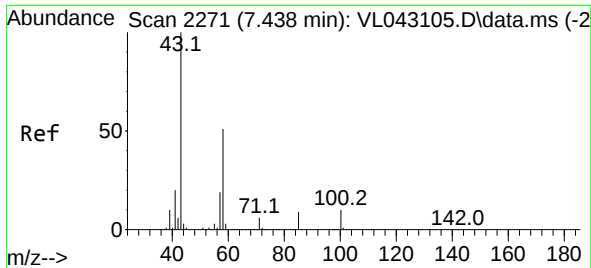
Tgt Ion: 43 Resp: 6774

Ion Ratio Lower Upper

43 100

58 0.0 29.1 43.7#

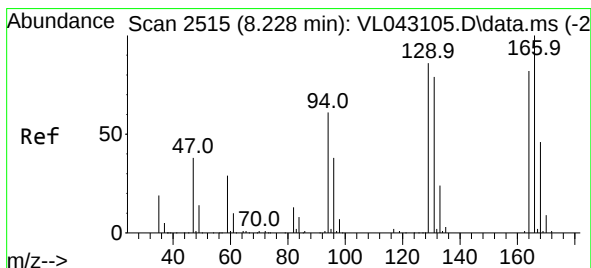
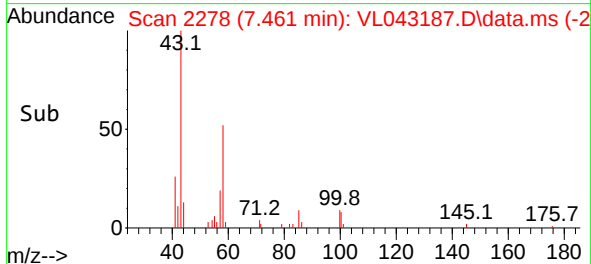
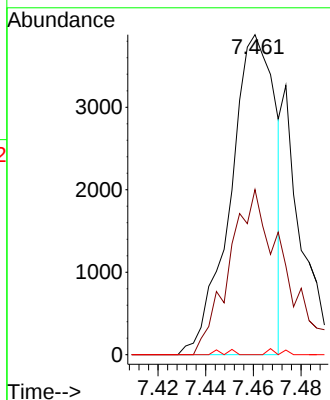
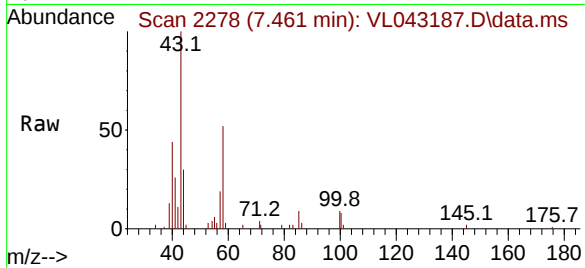




#51
2-Hexanone
Concen: 0.193 ppbv
RT: 7.461 min Scan# 2188
Delta R.T. 0.022 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

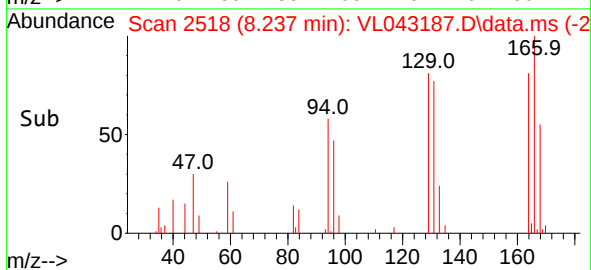
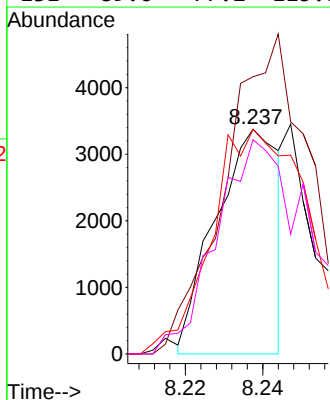
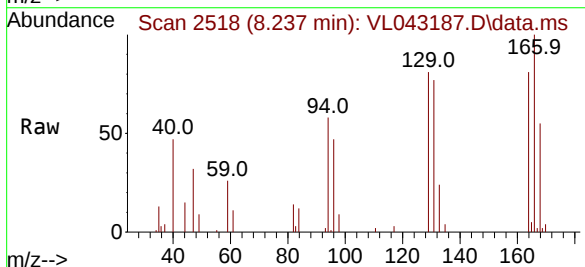
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

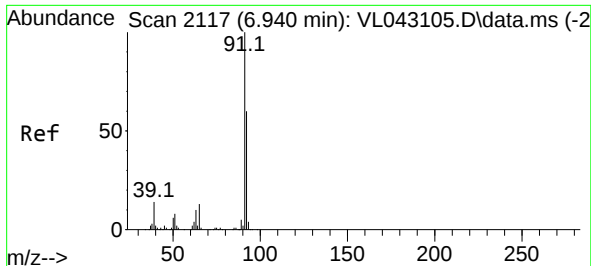
Tgt Ion: 43 Resp: 5099
Ion Ratio Lower Upper
43 100
58 64.3 40.4 60.6#
98 0.5 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.294 ppbv
RT: 8.237 min Scan# 2518
Delta R.T. 0.010 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

Tgt Ion: 164 Resp: 3802
Ion Ratio Lower Upper
164 100
166 108.1 97.6 146.4
129 92.9 84.5 126.7
131 89.6 77.2 115.8

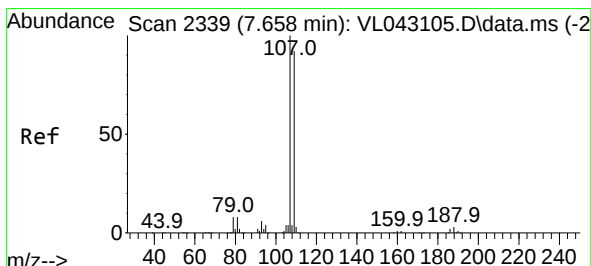
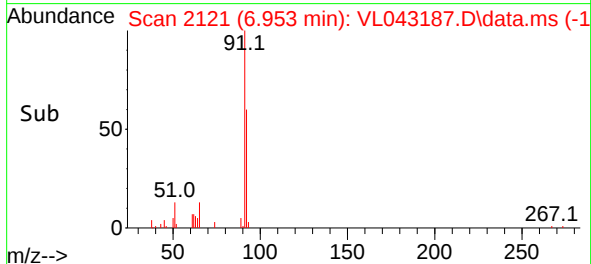
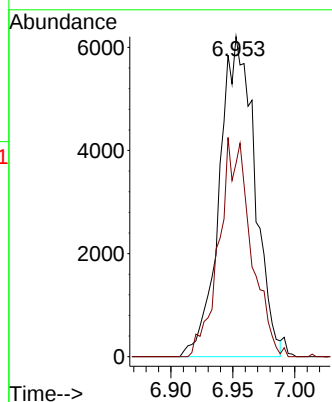
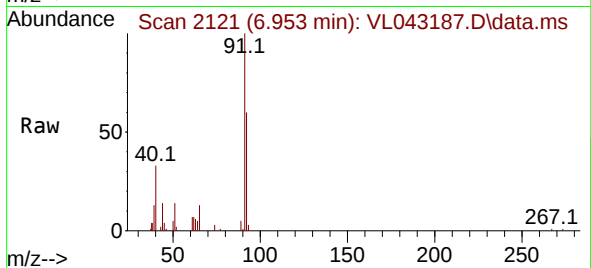




#53
Toluene
Concen: 0.290 ppbv
RT: 6.953 min Scan# 2117
Delta R.T. 0.013 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

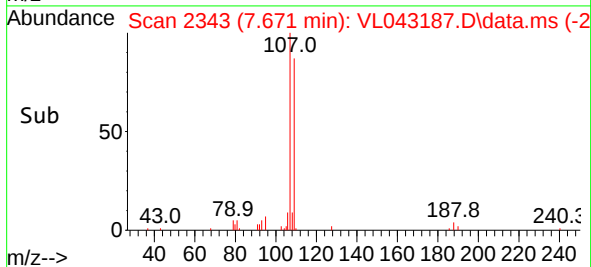
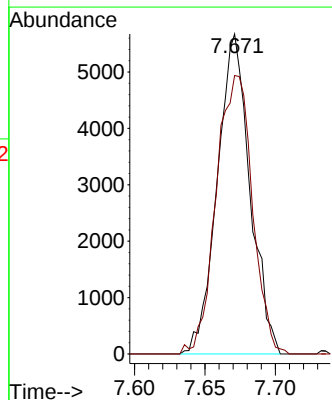
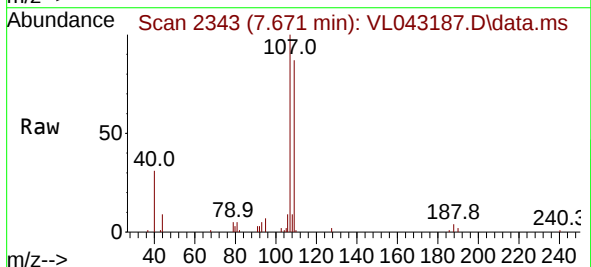
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

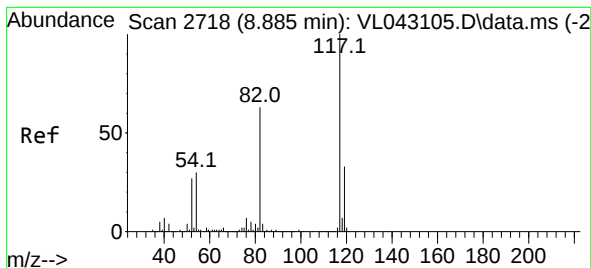
Tgt Ion: 91 Resp: 12313
Ion Ratio Lower Upper
91 100
92 61.7 48.8 73.2



#54
1,2-Dibromoethane
Concen: 0.414 ppbv
RT: 7.671 min Scan# 2343
Delta R.T. 0.013 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

Tgt Ion: 107 Resp: 9170
Ion Ratio Lower Upper
107 100
109 87.0 73.4 110.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.895 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

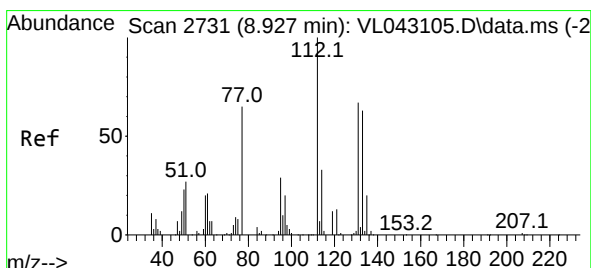
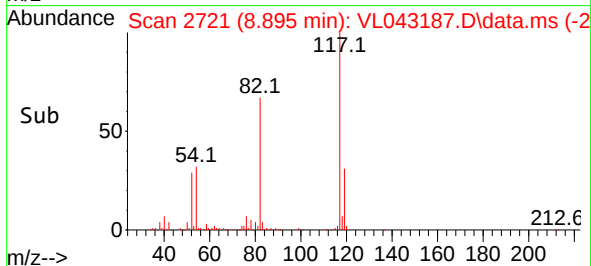
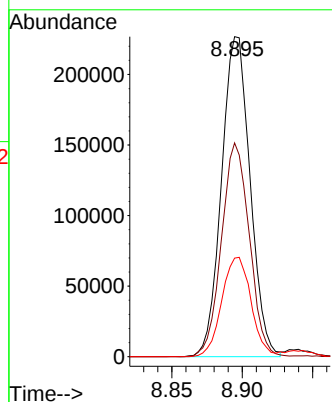
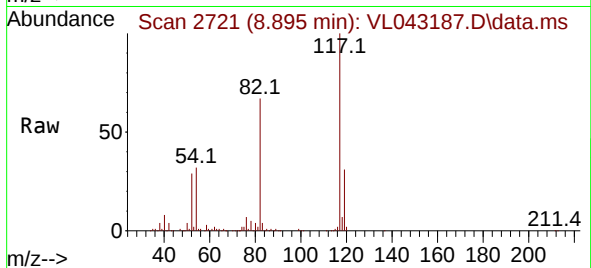
Tgt Ion:117 Resp: 320917

Ion Ratio Lower Upper

117 100

82 65.3 53.8 80.8

119 33.7 25.4 38.0



#56

1,1,1,2-Tetrachloroethane

Concen: 0.543 ppbv

RT: 8.940 min Scan# 2735

Delta R.T. 0.013 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

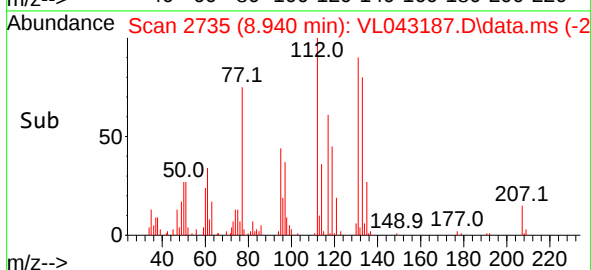
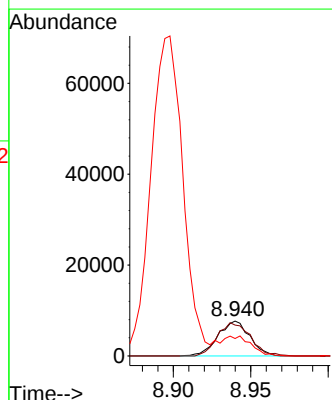
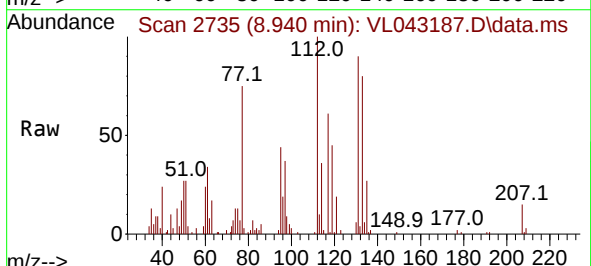
Tgt Ion:131 Resp: 10992

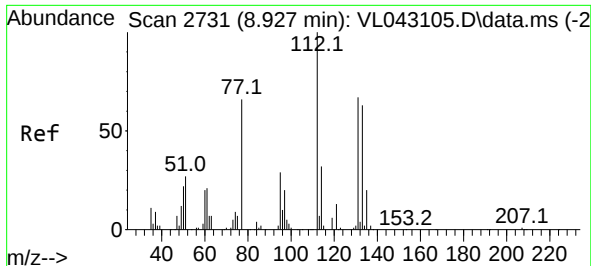
Ion Ratio Lower Upper

131 100

133 98.4 75.7 113.5

119 984.7 50.6 76.0#

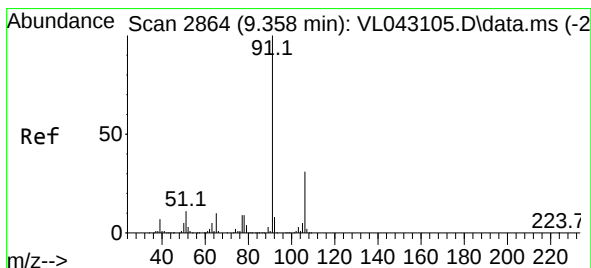
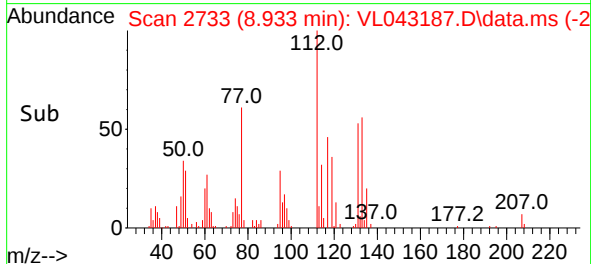
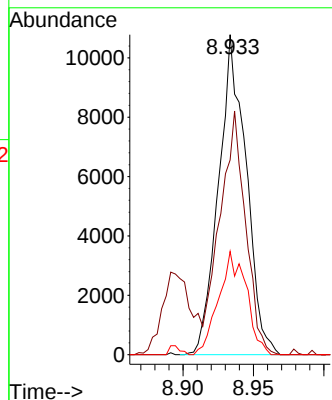
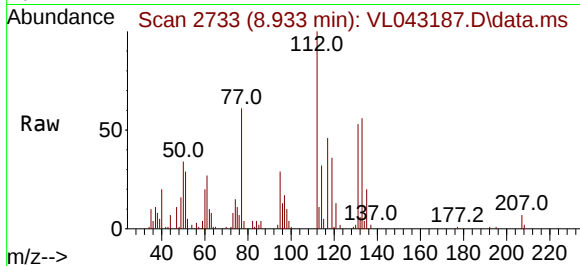




#57
Chlorobenzene
Concen: 0.489 ppbv
RT: 8.933 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

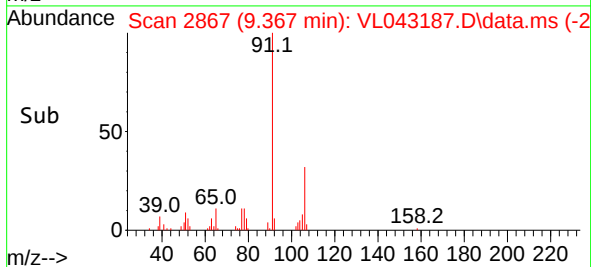
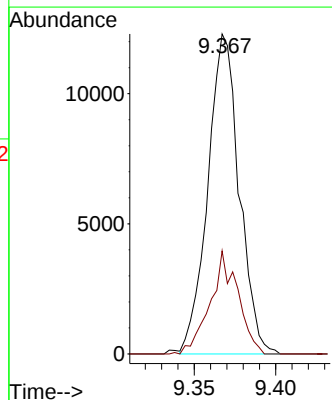
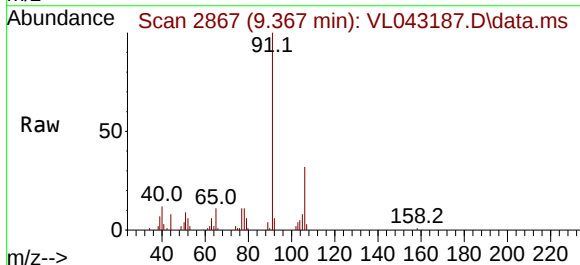
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

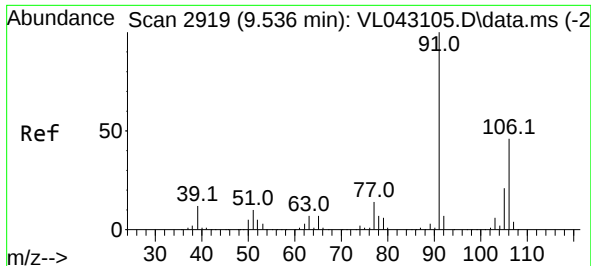
Tgt Ion: 112 Resp: 14668
Ion Ratio Lower Upper
112 100
77 60.9 53.3 79.9
114 32.3 29.3 35.8



#58
Ethyl Benzene
Concen: 0.299 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.010 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

Tgt Ion: 91 Resp: 16450
Ion Ratio Lower Upper
91 100
106 32.2 24.8 37.2





#59

m/p-Xylene

Concen: 0.253 ppbv

RT: 9.545 min Scan# 2919

Delta R.T. 0.010 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

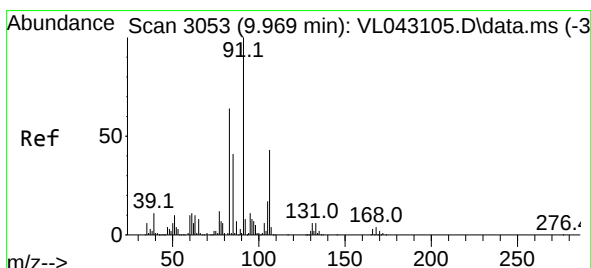
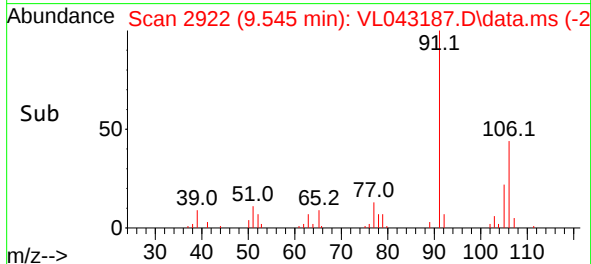
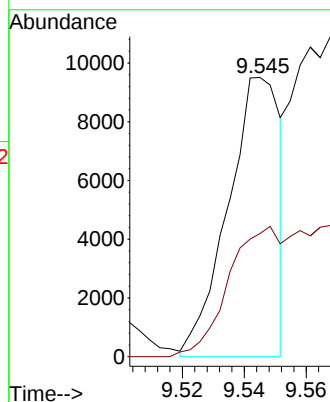
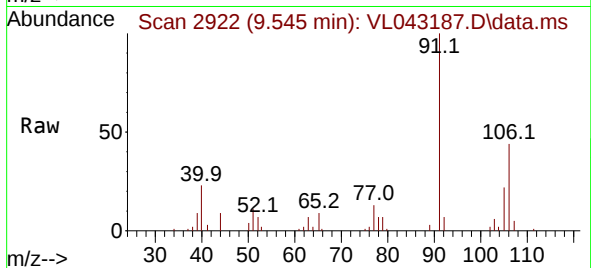
MDL-AIR-03-QT4-2025

Tgt Ion: 91 Resp: 11106

Ion Ratio Lower Upper

91 100

106 0.0 38.0 57.0#



#60

o-Xylene

Concen: 0.287 ppbv

RT: 9.976 min Scan# 3055

Delta R.T. 0.006 min

Lab File: VL043187.D

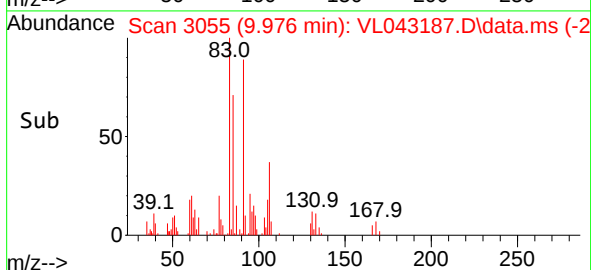
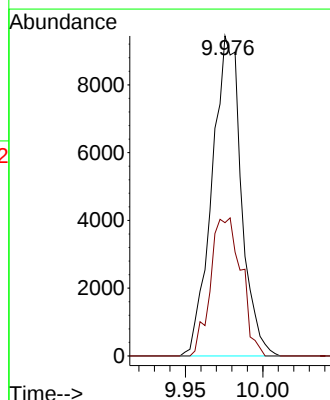
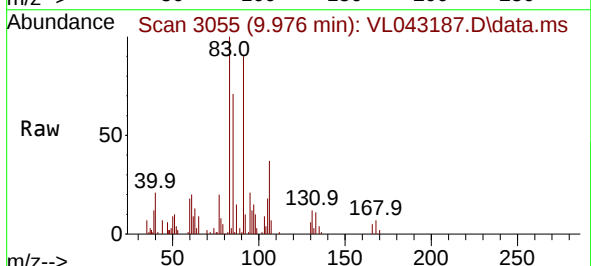
Acq: 11 Nov 2025 12:44

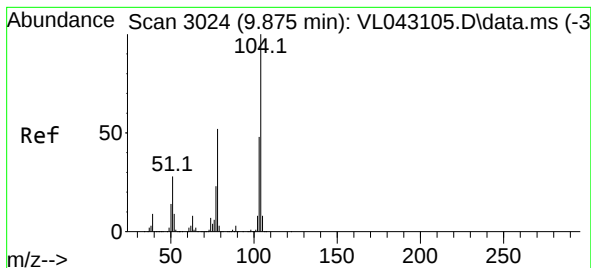
Tgt Ion: 91 Resp: 12447

Ion Ratio Lower Upper

91 100

106 45.3 21.9 65.8





#61

Styrene

Concen: 0.151 ppbv

RT: 9.882 min Scan# 3024

Delta R.T. 0.006 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

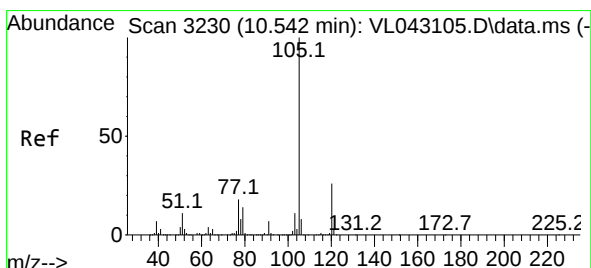
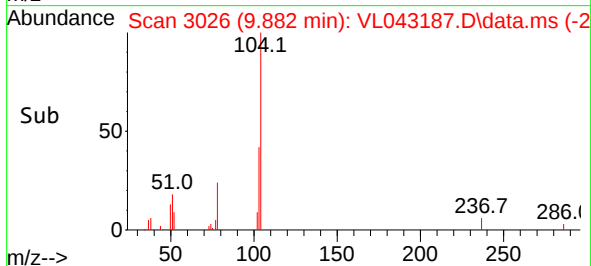
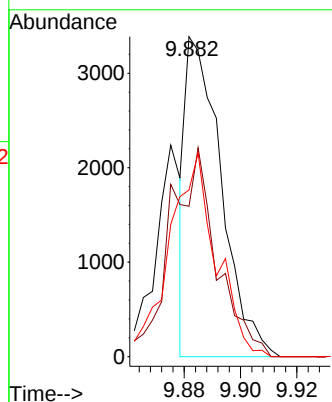
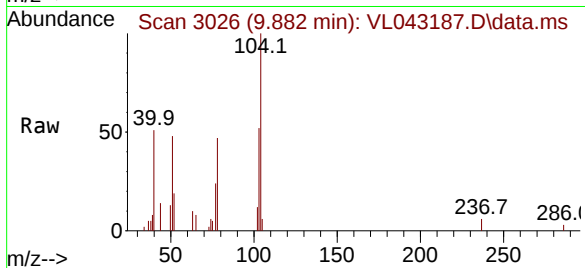
Tgt Ion:104 Resp: 2957

Ion Ratio Lower Upper

104 100

78 86.3 40.2 60.2#

103 85.3 36.9 55.3#



#62

Isopropylbenzene

Concen: 0.344 ppbv

RT: 10.548 min Scan# 3232

Delta R.T. 0.006 min

Lab File: VL043187.D

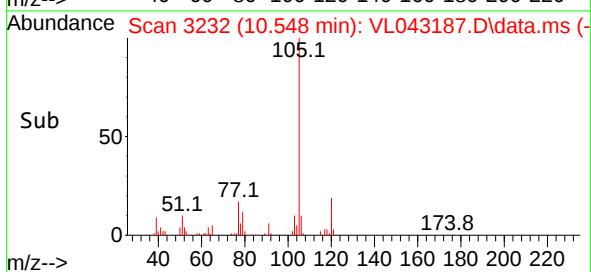
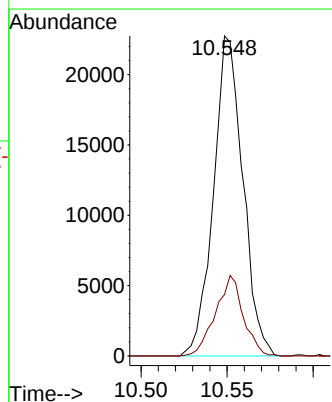
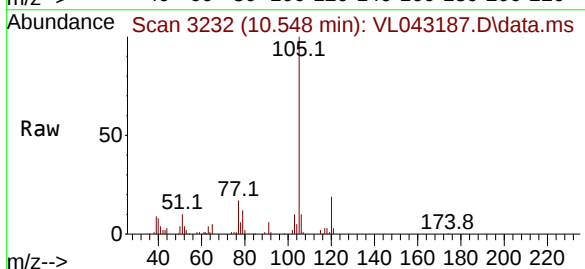
Acq: 11 Nov 2025 12:44

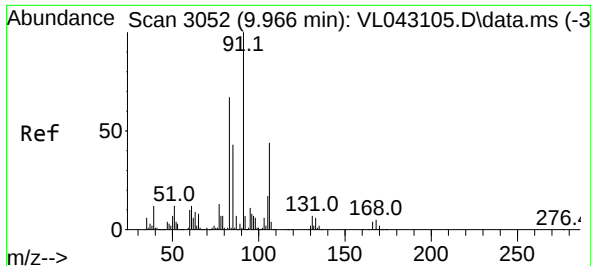
Tgt Ion:105 Resp: 26984

Ion Ratio Lower Upper

105 100

120 23.8 20.2 30.4

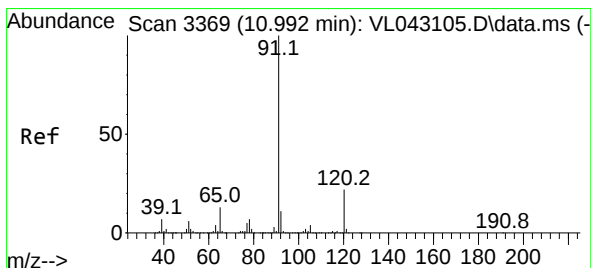
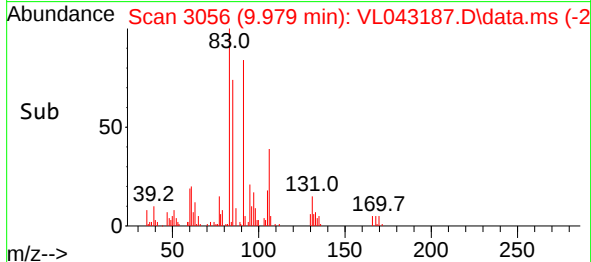
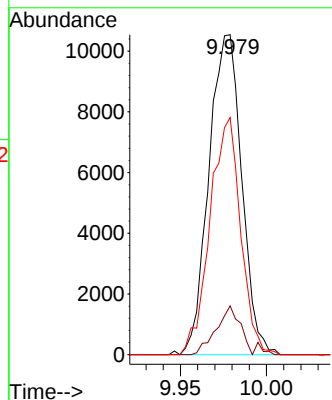
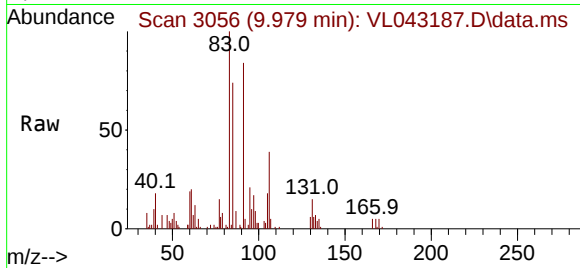




#63
1,1,2,2-Tetrachloroethane
Concen: 0.482 ppbv
RT: 9.979 min Scan# 3052
Delta R.T. 0.013 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

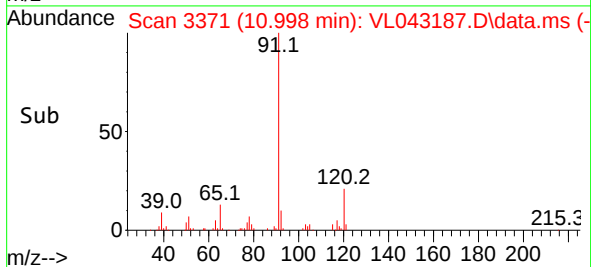
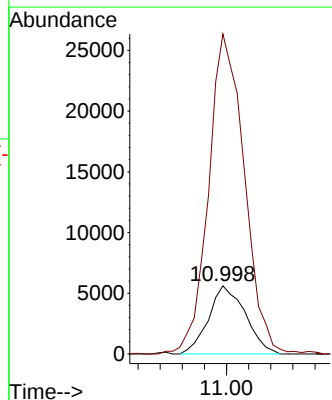
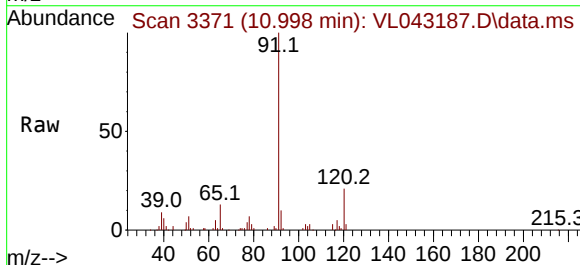
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

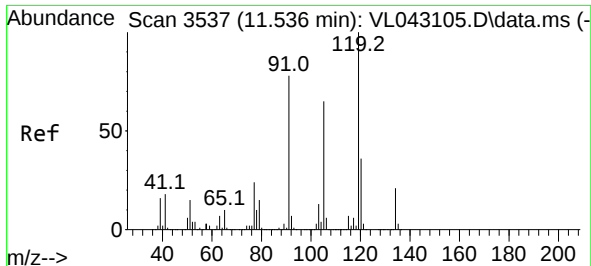
Tgt Ion: 83 Resp: 13994
Ion Ratio Lower Upper
83 100
131 12.0 4.8 14.3
85 69.2 32.0 96.0



#64
n-propylbenzene
Concen: 0.312 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

Tgt Ion: 120 Resp: 6486
Ion Ratio Lower Upper
120 100
91 459.2 361.6 542.4

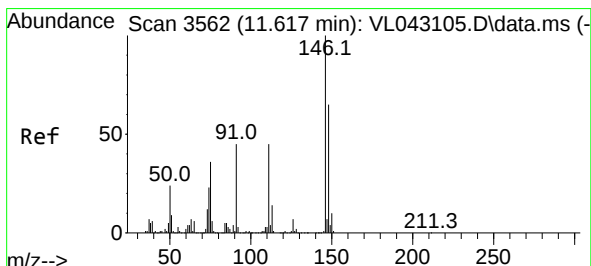
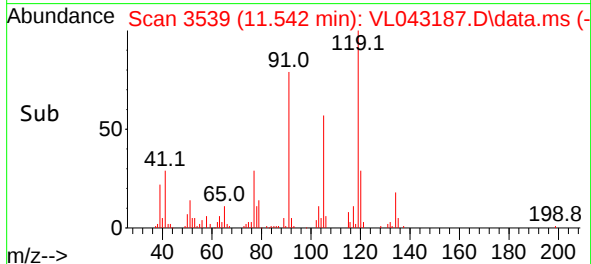
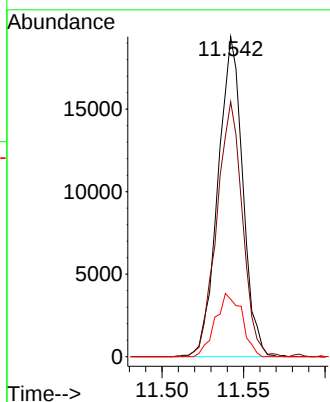
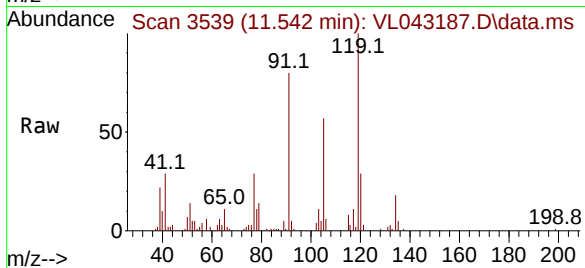




#65
tert-Butylbenzene
Concen: 0.296 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

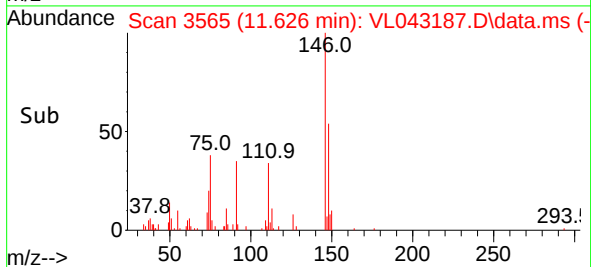
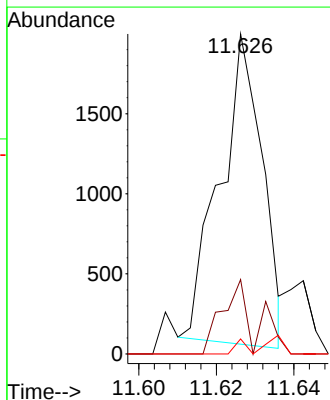
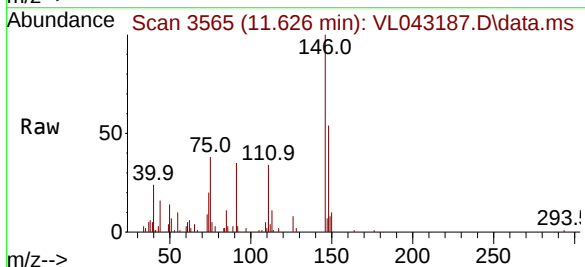
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

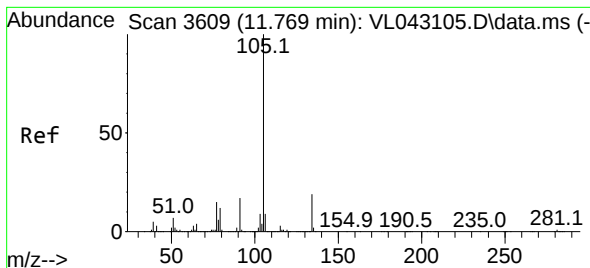
Tgt Ion:119 Resp: 20472
Ion Ratio Lower Upper
119 100
91 82.9 63.4 95.0
134 21.3 17.3 25.9



#66
Benzyl Chloride
Concen: 0.191 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. 0.010 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

Tgt Ion: 91 Resp: 1471
Ion Ratio Lower Upper
91 100
126 18.9 14.6 22.0
128 0.0 4.6 6.8#





#67

sec-Butylbenzene

Concen: 0.330 ppbv

RT: 11.775 min Scan# 3611

Delta R.T. 0.006 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

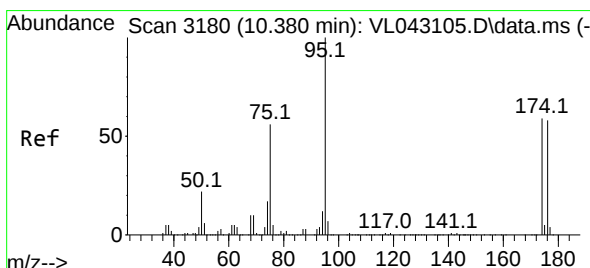
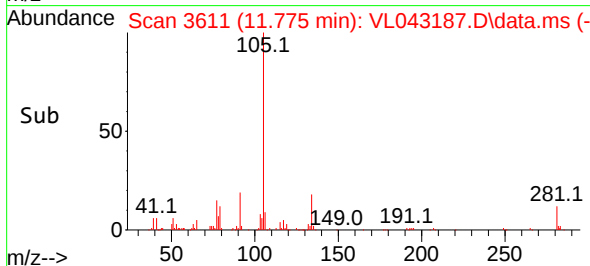
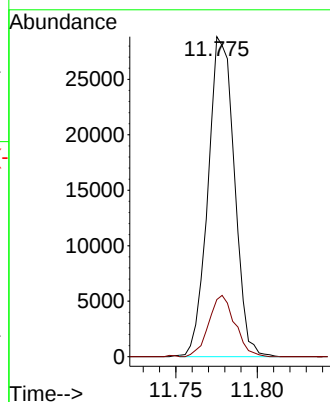
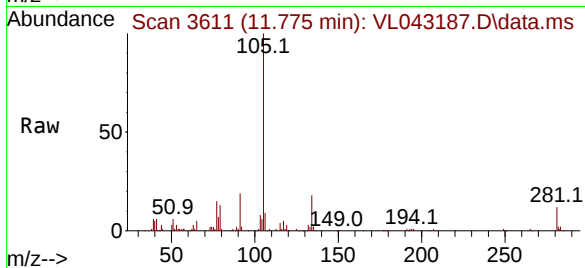
MDL-AIR-03-QT4-2025

Tgt Ion:105 Resp: 32393

Ion Ratio Lower Upper

105 100

134 19.2 15.5 23.3



#68

1-Bromo-4-Fluorobenzene

Concen: 9.842 ppbv

RT: 10.387 min Scan# 3182

Delta R.T. 0.006 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

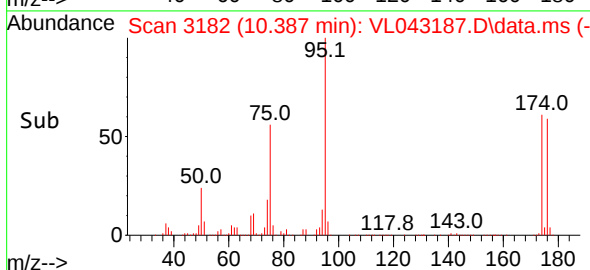
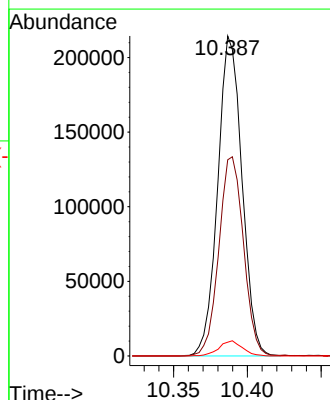
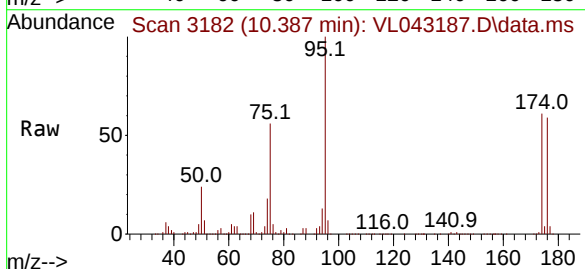
Tgt Ion: 95 Resp: 245506

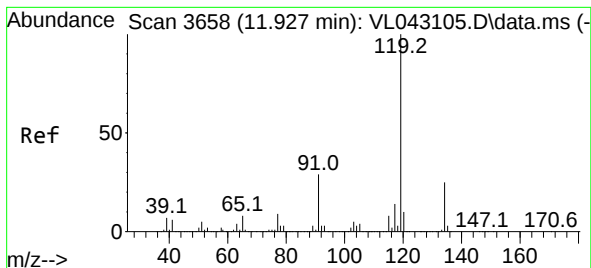
Ion Ratio Lower Upper

95 100

174 63.3 48.3 72.5

175 4.6 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.281 ppbv

RT: 11.937 min Scan# 3661

Delta R.T. 0.010 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

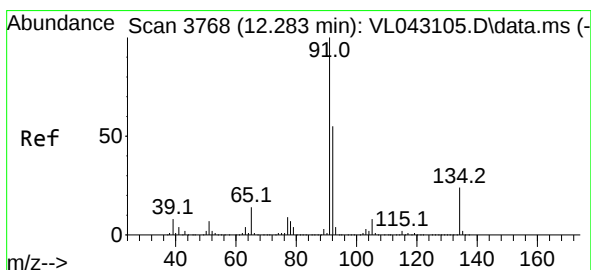
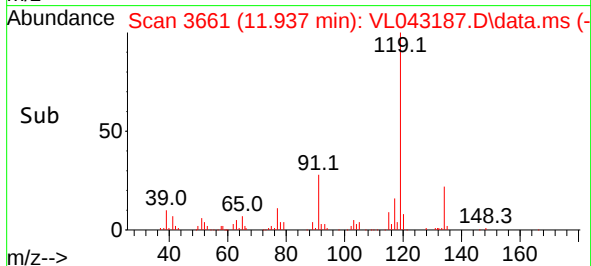
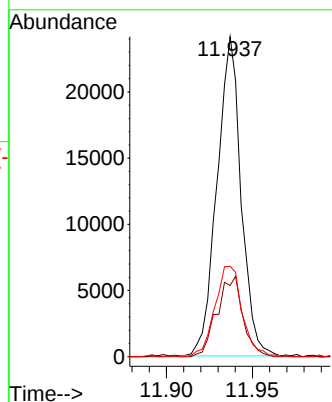
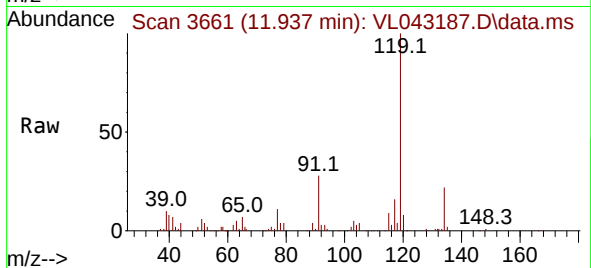
Tgt Ion:119 Resp: 23487

Ion Ratio Lower Upper

119 100

134 27.0 20.3 30.5

91 32.4 22.6 33.8



#70

n-Butylbenzene

Concen: 0.267 ppbv

RT: 12.293 min Scan# 3771

Delta R.T. 0.010 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

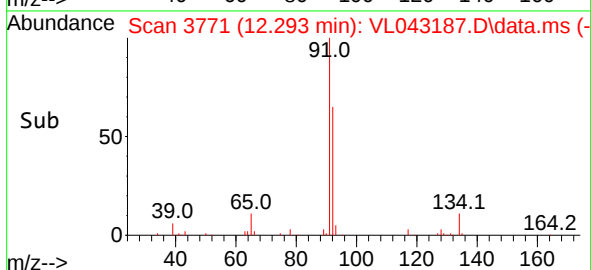
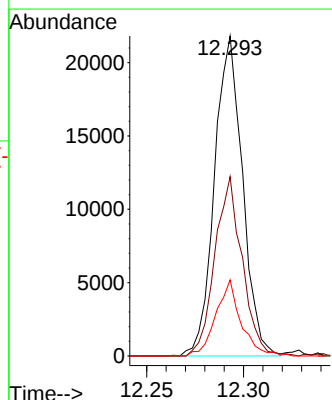
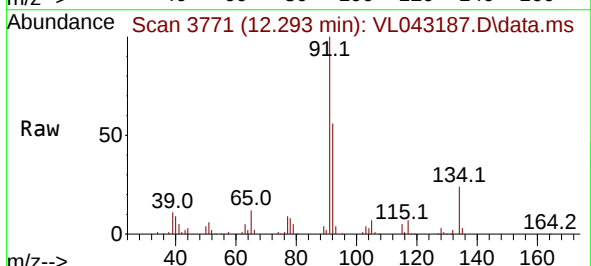
Tgt Ion: 91 Resp: 21963

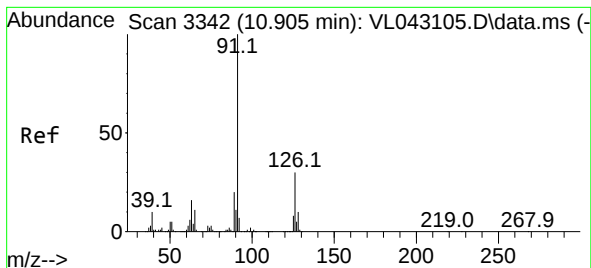
Ion Ratio Lower Upper

91 100

92 54.9 44.5 66.7

134 21.3 19.3 28.9





#71

2-Chlorotoluene

Concen: 0.304 ppbv

RT: 10.914 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

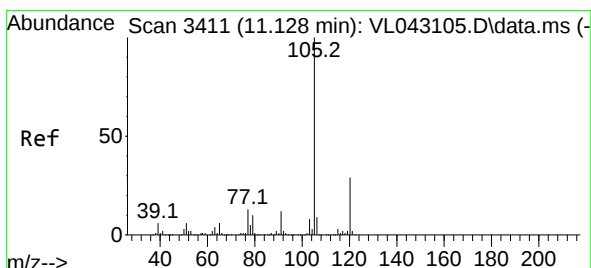
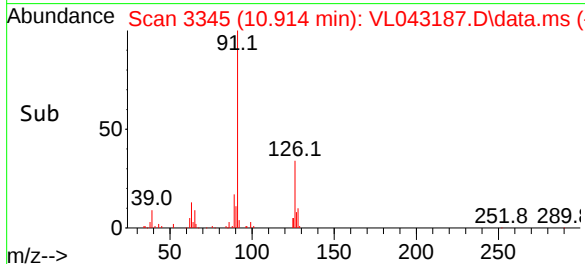
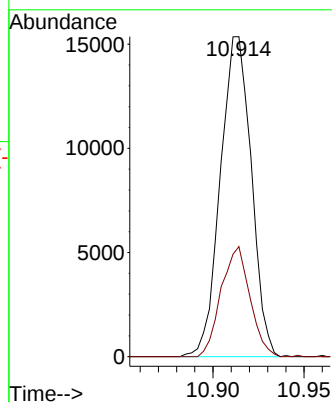
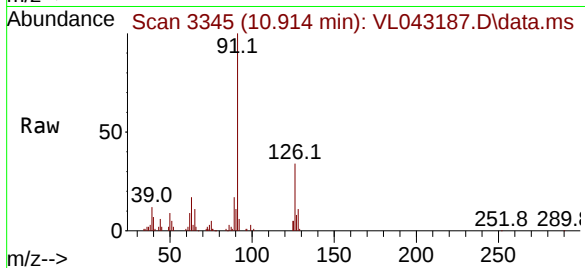
MDL-AIR-03-QT4-2025

Tgt Ion: 91 Resp: 18155

Ion Ratio Lower Upper

91 100

126 32.1 12.0 48.0



#72

4-Ethyltoluene

Concen: 0.281 ppbv

RT: 11.134 min Scan# 3413

Delta R.T. 0.006 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Tgt Ion: 105 Resp: 14989

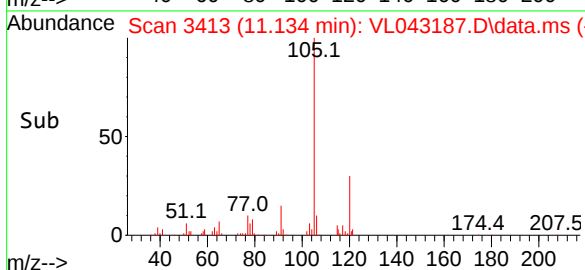
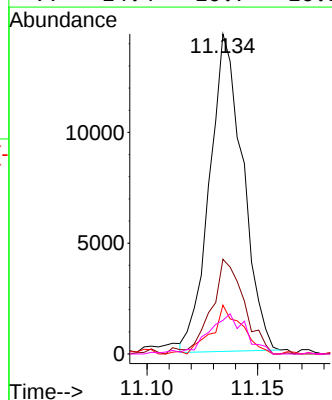
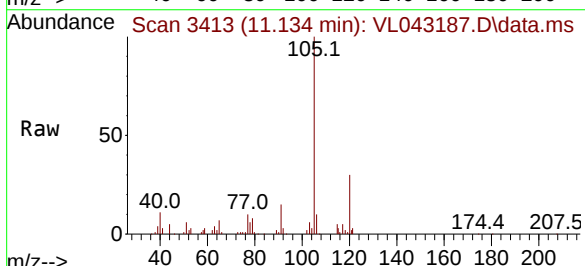
Ion Ratio Lower Upper

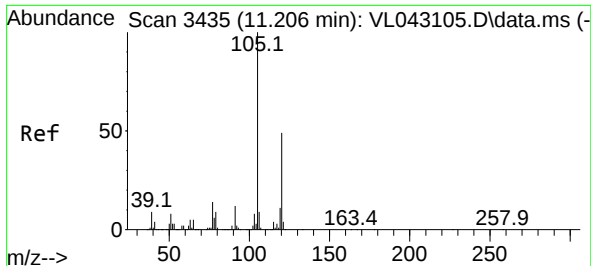
105 100

120 30.1 24.2 36.4

91 15.2 10.0 15.0#

77 14.4 10.7 16.1

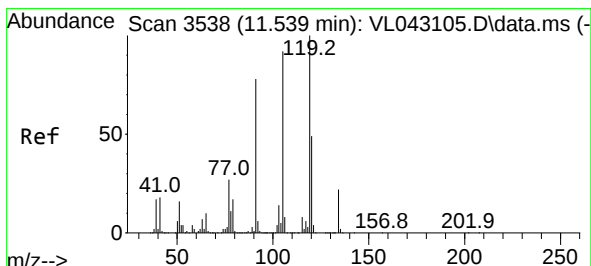
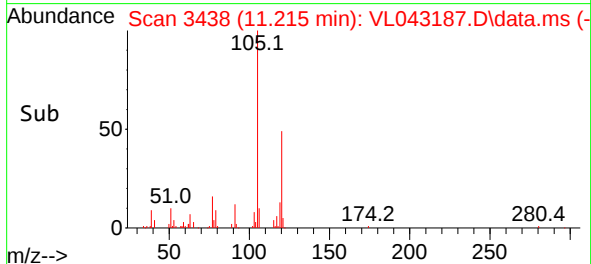
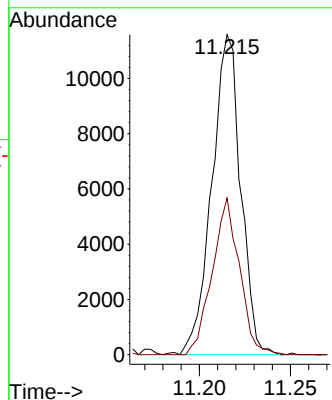
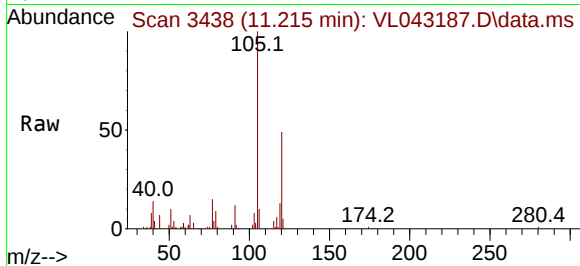




#73
 1,3,5-Trimethylbenzene
 Concen: 0.290 ppbv
 RT: 11.215 min Scan# 3435
 Delta R.T. 0.010 min
 Lab File: VL043187.D
 Acq: 11 Nov 2025 12:44

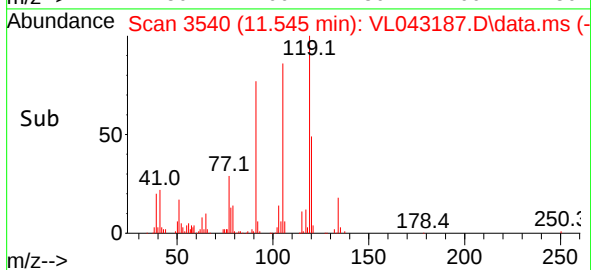
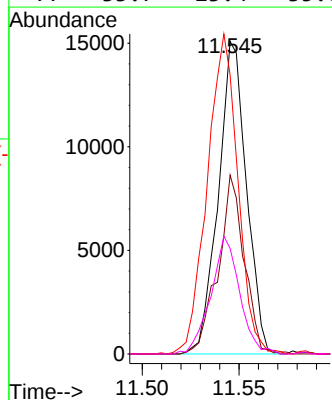
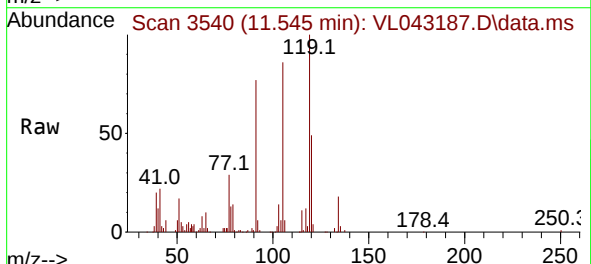
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025

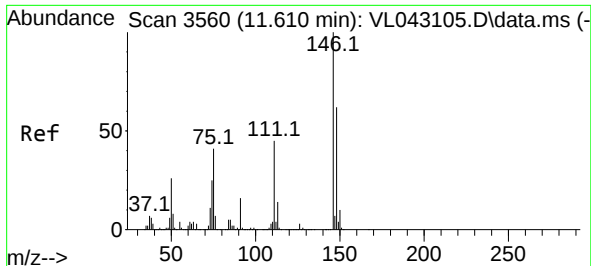
Tgt Ion:105 Resp: 12747
 Ion Ratio Lower Upper
 105 100
 120 48.9 39.0 58.6



#74
 1,2,4-Trimethylbenzene
 Concen: 0.310 ppbv
 RT: 11.545 min Scan# 3540
 Delta R.T. 0.006 min
 Lab File: VL043187.D
 Acq: 11 Nov 2025 12:44

Tgt Ion:105 Resp: 15274
 Ion Ratio Lower Upper
 105 100
 120 61.4 42.8 64.2
 91 88.5 68.3 102.5
 77 33.7 23.4 35.0

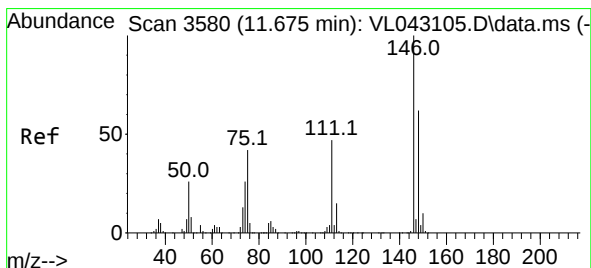
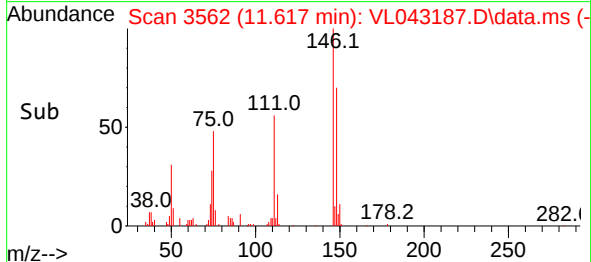
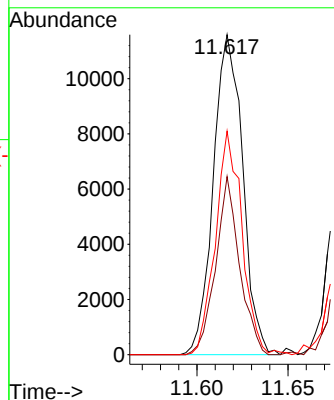
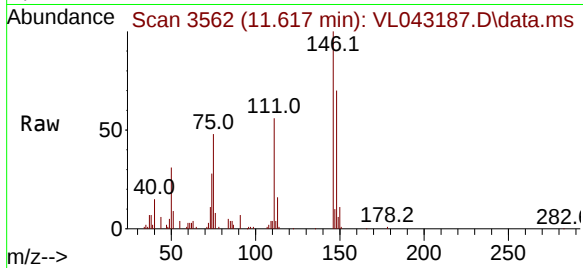




#75
1,3-Dichlorobenzene
Concen: 0.453 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

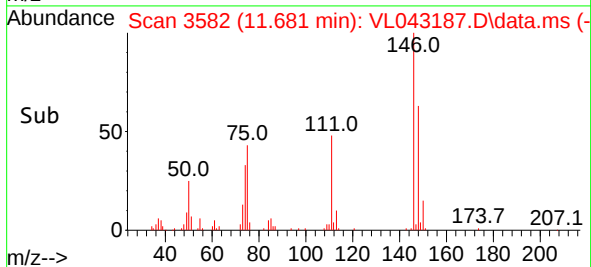
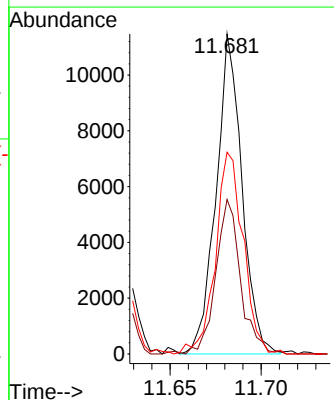
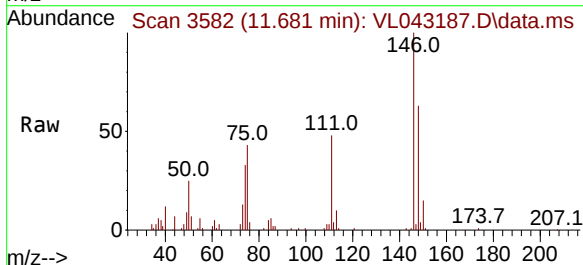
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

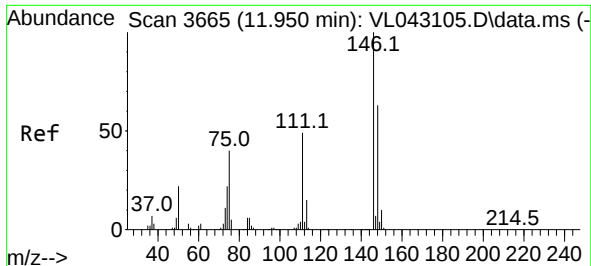
Tgt Ion:146 Resp: 12941
Ion Ratio Lower Upper
146 100
111 45.4 23.3 69.9
148 63.5 31.6 95.0



#76
1,4-Dichlorobenzene
Concen: 0.394 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

Tgt Ion:146 Resp: 11333
Ion Ratio Lower Upper
146 100
111 46.4 22.4 67.0
148 67.5 31.6 94.7

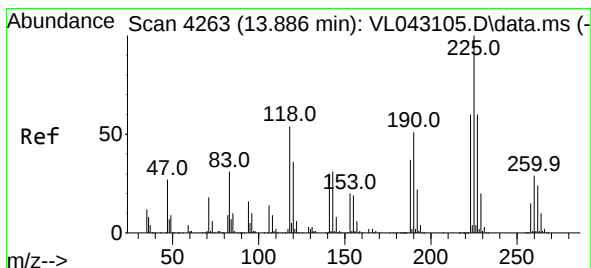
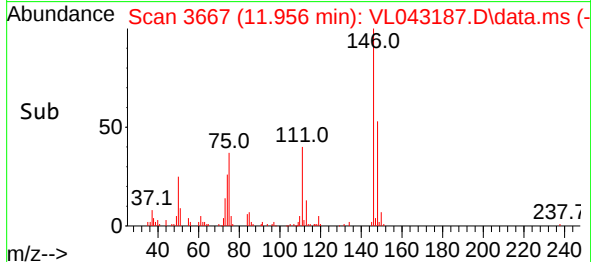
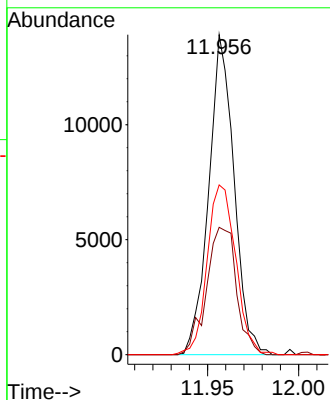
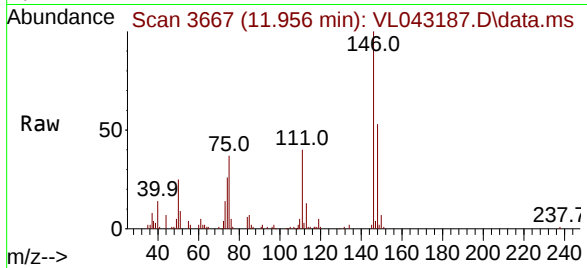




#77
1,2-Dichlorobenzene
Concen: 0.487 ppbv
RT: 11.956 min Scan# 3667
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

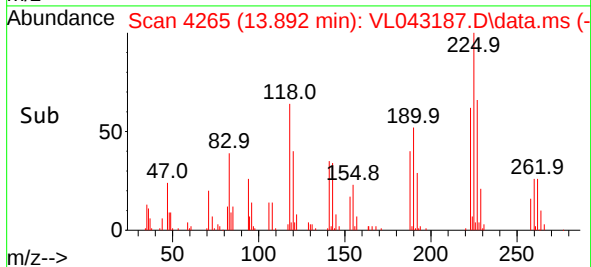
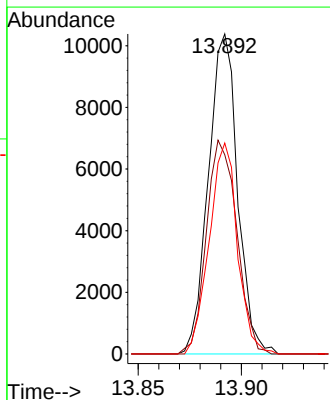
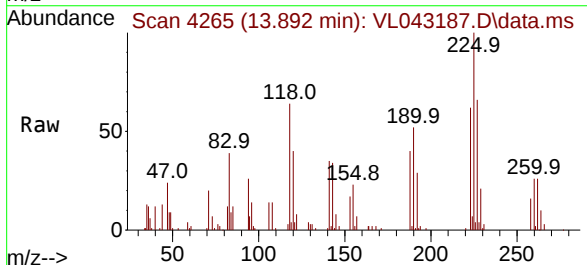
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

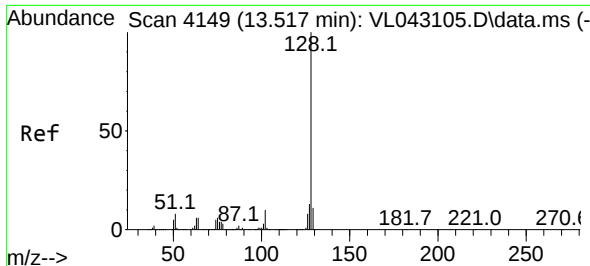
Tgt Ion:146 Resp: 13460
Ion Ratio Lower Upper
146 100
111 47.1 24.0 72.0
148 59.8 31.1 93.3



#78
Hexachloro-1,3-Butadiene
Concen: 0.478 ppbv
RT: 13.892 min Scan# 4265
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

Tgt Ion:225 Resp: 10223
Ion Ratio Lower Upper
225 100
223 69.5 50.2 75.4
227 63.5 49.6 74.4

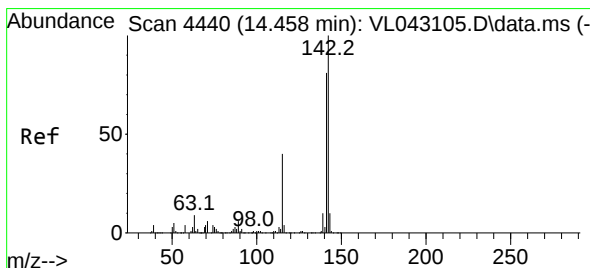
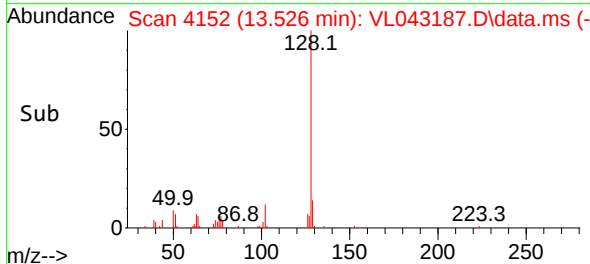
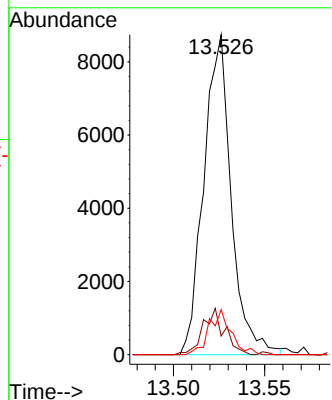
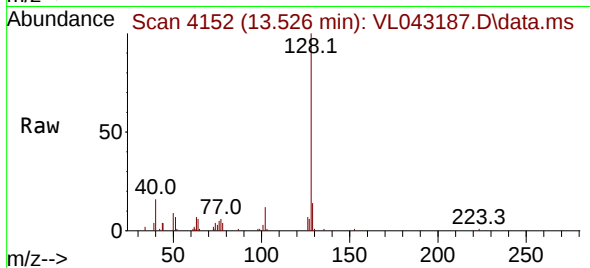




#79
Naphthalene
Concen: 0.178 ppbv
RT: 13.526 min Scan# 4149
Delta R.T. 0.010 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

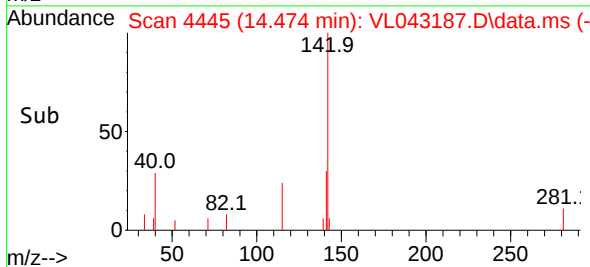
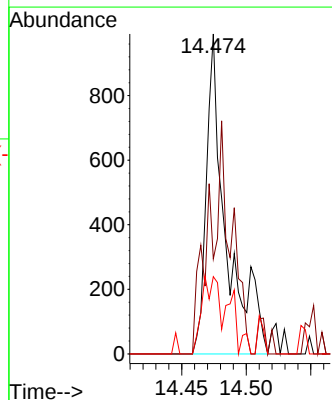
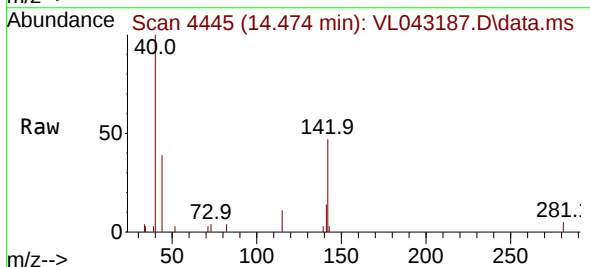
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

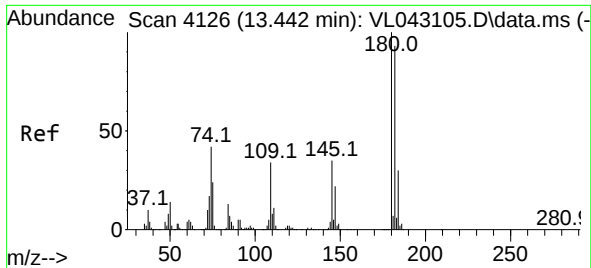
Tgt Ion:128 Resp: 9166
Ion Ratio Lower Upper
128 100
127 5.9 10.5 15.7#
129 14.1 9.1 13.7#



#80
Naphthalene,2-methyl-
Concen: 0.081 ppbv
RT: 14.474 min Scan# 4445
Delta R.T. 0.016 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

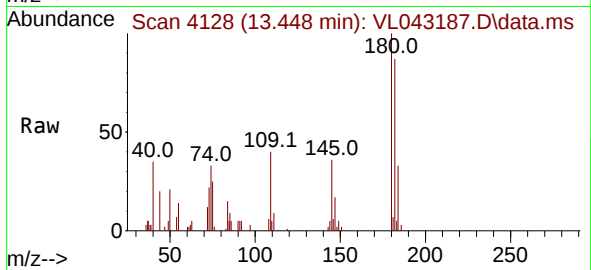
Tgt Ion:142 Resp: 1088
Ion Ratio Lower Upper
142 100
141 81.2 64.6 97.0
115 34.7 30.2 45.4





#81
 1,2,4-Trichlorobenzene
 Concen: 0.209 ppbv
 RT: 13.448 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL043187.D
 Acq: 11 Nov 2025 12:44

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



Tgt Ion:	180	Resp:	4454
Ion	Ratio	Lower	Upper
180	100		
182	92.3	75.5	113.3
184	26.5	23.9	35.9

