

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
 Data File : VL042995.D
 Acq On : 23 Sep 2025 17:01
 Operator : SY/MD
 Sample : Q2893-13 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

Quant Time: Sep 24 02:25:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Sep 24 02:23:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	155235	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	407758	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.891	117	360469	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	286449	10.645	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	10204	0.489	ppbv	93
3) Chlorodifluoromethane	1.476	51	13424	0.516	ppbv	97
4) Chloromethane	1.535	50	4373	0.463	ppbv	99
5) Vinyl Chloride	1.583	62	3890	0.455	ppbv #	84
6) Bromomethane	1.670	94	1371	0.455	ppbv	96
7) Chloroethane	1.709	64	1755	0.529	ppbv #	82
8) Dichlorotetrafluoroethane	1.557	85	8654	0.486	ppbv	94
9) Propene	1.486	41	4619	0.408	ppbv	99
10) Heptane	4.985	43	4871	0.161	ppbv #	16
11) Trichlorofluoromethane	1.881	101	9590	0.476	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	7807	0.479	ppbv	96
13) Ethanol	1.725	45	944	0.860	ppbv	74
14) Bromoethene	1.784	108	2667	0.433	ppbv #	91
15) Acetone	1.839	43	12211	0.604	ppbv	99
16) 1,3-Butadiene	1.612	39	4763	0.499	ppbv	96
17) tert-Butyl alcohol	2.046	59	8309	0.375	ppbv #	88
18) 1,1-Dichloroethene	2.036	96	3672	0.487	ppbv	88
19) Isopropyl Alcohol	1.891	45	5361	0.441	ppbv #	46
20) Methylene Chloride	2.065	84	4951	0.585	ppbv #	84
21) Allyl Chloride	2.101	41	6395	0.454	ppbv	88
22) trans-1,2-Dichloroethene	2.036	96	3672	0.428	ppbv	88
23) Vinyl Acetate	2.467	43	10459	0.362	ppbv #	90
24) 1,1-Dichloroethane	2.412	63	7751	0.461	ppbv	98
25) Ethyl Acetate	2.845	43	19856	0.389	ppbv	96
26) Hexane	2.832	57	8253	0.354	ppbv #	83
27) Carbon Disulfide	2.153	76	7846	0.376	ppbv #	3
28) Methyl tert-Butyl Ether	2.447	73	4671	0.386	ppbv	98
29) Chloroform	2.855	83	15668	0.514	ppbv	94
30) Cyclohexane	3.865	84	3299	0.169	ppbv #	1
31) cis-1,2-Dichloroethene	2.726	61	8982	0.412	ppbv	98
32) 1,1,1-Trichloroethane	3.376	97	13895	0.422	ppbv	92
34) 2-Butanone	2.567	43	14664	0.513	ppbv	98
35) Carbon Tetrachloride	3.771	117	13870	0.522	ppbv	92
36) Benzene	3.664	78	17708	0.462	ppbv #	91
37) 1,2-Dichloroethane	3.227	62	11545	0.573	ppbv	99
38) Trichloroethene	4.561	130	9160	0.481	ppbv #	77
39) 1,2-Dichloropropane	4.324	63	7339	0.525	ppbv #	79
40) 1,4-Dioxane	4.606	88	747	0.115	ppbv #	21
41) Tetrahydrofuran	3.069	42	6476	0.394	ppbv	95
42) Bromodichloromethane	4.493	83	15274	0.545	ppbv #	91
43) Methyl Methacrylate	4.897	69	2986	0.191	ppbv #	5
44) 2,2,4-Trimethylpentane	4.645	57	28435	0.430	ppbv #	93
45) t-1,3-Dichloropropene	6.425	75	2789	0.167	ppbv	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	3088	0.145	ppbv	90
47) 1,1,2-Trichloroethane	6.606	97	2461	0.167	ppbv	93
48) Dibromochloromethane	7.399	129	10806	0.457	ppbv	100
49) Bromoform	9.490	173	8048	0.392	ppbv	96
50) 4-Methyl-2-Pentanone	5.778	43	8744	0.228	ppbv #	39
51) 2-Hexanone	7.454	43	4317	0.141	ppbv #	22
52) Tetrachloroethene	8.241	164	2352	0.159	ppbv	93
53) Toluene	6.946	91	16348	0.361	ppbv	98
54) 1,2-Dibromoethane	7.665	107	9769	0.470	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.933	131	8499	0.493	ppbv #	1
57) Chlorobenzene	8.930	112	18287	0.556	ppbv	92
58) Ethyl Benzene	9.364	91	21061	0.356	ppbv	99
59) m/p-Xylene	9.542	91	18437	0.395	ppbv #	100
60) o-Xylene	9.976	91	16986	0.364	ppbv	98
61) Styrene	9.882	104	6670	0.302	ppbv	95
62) Isopropylbenzene	10.549	105	26412	0.380	ppbv	96
63) 1,1,2,2-Tetrachloroethane	9.972	83	12931	0.527	ppbv	96
64) n-propylbenzene	10.995	120	6722	0.370	ppbv	95
65) tert-Butylbenzene	11.539	119	22487	0.364	ppbv	98
66) Benzyl Chloride	11.626	91	620	0.096	ppbv #	65
67) sec-Butylbenzene	11.772	105	33232	0.386	ppbv	98
69) p-Isopropyltoluene	11.934	119	24688	0.339	ppbv	96
70) n-Butylbenzene	12.290	91	23549	0.331	ppbv	97
71) 2-Chlorotoluene	10.911	91	20375	0.388	ppbv	96
72) 4-Ethyltoluene	11.134	105	18962	0.325	ppbv #	93
73) 1,3,5-Trimethylbenzene	11.212	105	16742	0.353	ppbv	92
74) 1,2,4-Trimethylbenzene	11.542	105	18062	0.345	ppbv	95
75) 1,3-Dichlorobenzene	11.613	146	14787	0.456	ppbv	97
76) 1,4-Dichlorobenzene	11.678	146	13774	0.427	ppbv	95
77) 1,2-Dichlorobenzene	11.956	146	14176	0.459	ppbv	96
78) Hexachloro-1,3-Butadiene	13.886	225	11234	0.465	ppbv	98
79) Naphthalene	13.517	128	8313	0.180	ppbv #	88
80) Naphthalene,2-methyl-	14.471	142	1623	0.114	ppbv	95
81) 1,2,4-Trichlorobenzene	13.445	180	5276	0.213	ppbv	98

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

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

Abundance

TIC: VL042995.D\data.ms

Time-->

1.5-Octachlorobutane, T

1.6-Isopropylbenzene, T

1.7-1,3-Dichlorobenzene, T

1.8-1,4-Dichlorobenzene, T

1.9-1,2-Dichlorobenzene, T

2.0-1,3-Dichlorobenzene, T

2.1-1,4-Dichlorobenzene, T

2.2-1,2-Dichlorobenzene, T

2.3-1,3-Dichlorobenzene, T

2.4-1,4-Dichlorobenzene, T

2.5-1,2-Dichlorobenzene, T

2.6-1,3-Dichlorobenzene, T

2.7-1,4-Dichlorobenzene, T

2.8-1,2-Dichlorobenzene, T

2.9-1,3-Dichlorobenzene, T

3.0-1,4-Dichlorobenzene, T

3.1-1,2-Dichlorobenzene, T

3.2-1,3-Dichlorobenzene, T

3.3-1,4-Dichlorobenzene, T

3.4-1,2-Dichlorobenzene, T

3.5-1,3-Dichlorobenzene, T

3.6-1,4-Dichlorobenzene, T

3.7-1,2-Dichlorobenzene, T

3.8-1,3-Dichlorobenzene, T

3.9-1,4-Dichlorobenzene, T

4.0-1,4-Difluorobenzene, I

4.1-1,2-Difluorobenzene, I

4.2-1,3-Difluorobenzene, I

4.3-1,4-Difluorobenzene, I

4.4-1,2-Difluorobenzene, I

4.5-1,3-Difluorobenzene, I

4.6-1,4-Difluorobenzene, I

4.7-1,2-Difluorobenzene, I

4.8-1,3-Difluorobenzene, I

4.9-1,4-Difluorobenzene, I

5.0-1,2-Difluorobenzene, I

5.1-1,3-Difluorobenzene, I

5.2-1,4-Difluorobenzene, I

5.3-1,2-Difluorobenzene, I

5.4-1,3-Difluorobenzene, I

5.5-1,4-Difluorobenzene, I

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6.4-1,4-Difluorobenzene, I

6.5-1,2-Difluorobenzene, I

6.6-1,3-Difluorobenzene, I

6.7-1,4-Difluorobenzene, I

6.8-1,2-Difluorobenzene, I

6.9-1,3-Difluorobenzene, I

7.0-1,4-Difluorobenzene, I

7.1-1,2-Difluorobenzene, I

7.2-1,3-Difluorobenzene, I

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7.4-1,2-Difluorobenzene, I

7.5-1,3-Difluorobenzene, I

7.6-1,4-Difluorobenzene, I

7.7-1,2-Difluorobenzene, I

7.8-1,3-Difluorobenzene, I

7.9-1,4-Difluorobenzene, I

8.0-1,2-Difluorobenzene, I

8.1-1,3-Difluorobenzene, I

8.2-1,4-Difluorobenzene, I

8.3-1,2-Difluorobenzene, I

8.4-1,3-Difluorobenzene, I

8.5-1,4-Difluorobenzene, I

8.6-1,2-Difluorobenzene, I

8.7-1,3-Difluorobenzene, I

8.8-1,4-Difluorobenzene, I

8.9-1,2-Difluorobenzene, I

9.0-Chlorobenzene-d5, I

9.1-1,2-Difluorobenzene, I

9.2-1,3-Difluorobenzene, I

9.3-1,4-Difluorobenzene, I

9.4-1,2-Difluorobenzene, I

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9.6-1,4-Difluorobenzene, I

9.7-1,2-Difluorobenzene, I

9.8-1,3-Difluorobenzene, I

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10.0-1,2-Difluorobenzene, I

10.1-1,3-Difluorobenzene, I

10.2-1,4-Difluorobenzene, I

10.3-1,2-Difluorobenzene, I

10.4-1,3-Difluorobenzene, I

10.5-Bromo-4-Fluorobenzene, S

10.6-1,2-Difluorobenzene, I

10.7-1,3-Difluorobenzene, I

10.8-1,4-Difluorobenzene, I

10.9-1,2-Difluorobenzene, I

11.0-1,3-Difluorobenzene, I

11.1-1,4-Difluorobenzene, I

11.2-1,2-Difluorobenzene, I

11.3-1,3-Difluorobenzene, I

11.4-1,4-Difluorobenzene, I

11.5-1,2-Difluorobenzene, I

11.6-1,3-Difluorobenzene, I

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12.8-1,3-Difluorobenzene, I

12.9-1,4-Difluorobenzene, I

13.0-1,2-Difluorobenzene, I

13.1-1,3-Difluorobenzene, I

13.2-1,4-Difluorobenzene, I

13.3-1,2-Difluorobenzene, I

13.4-1,3-Difluorobenzene, I

13.5-1,4-Difluorobenzene, I

13.6-1,2-Difluorobenzene, I

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13.8-1,4-Difluorobenzene, I

13.9-1,2-Difluorobenzene, I

14.0-1,3-Difluorobenzene, I

14.1-1,4-Difluorobenzene, I

14.2-1,2-Difluorobenzene, I

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14.5-1,2-Difluorobenzene, I

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14.8-1,2-Difluorobenzene, I

14.9-1,3-Difluorobenzene, I

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15.1-1,2-Difluorobenzene, I

15.2-1,3-Difluorobenzene, I

15.3-1,4-Difluorobenzene, I

15.4-1,2-Difluorobenzene, I

15.5-1,3-Difluorobenzene, I

15.6-1,4-Difluorobenzene, I

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15.8-1,3-Difluorobenzene, I

15.9-1,4-Difluorobenzene, I

16.0-1,2-Difluorobenzene, I

16.1-1,3-Difluorobenzene, I

16.2-1,4-Difluorobenzene, I

16.3-1,2-Difluorobenzene, I

16.4-1,3-Difluorobenzene, I

16.5-1,4-Difluorobenzene, I

16.6-1,2-Difluorobenzene, I

16.7-1,3-Difluorobenzene, I

16.8-1,4-Difluorobenzene, I

16.9-1,2-Difluorobenzene, I

17.0-1,3-Difluorobenzene, I

17.1-1,4-Difluorobenzene, I

17.2-1,2-Difluorobenzene, I

17.3-1,3-Difluorobenzene, I

17.4-1,4-Difluorobenzene, I

17.5-1,2-Difluorobenzene, I

17.6-1,3-Difluorobenzene, I

17.7-1,4-Difluorobenzene, I

17.8-1,2-Difluorobenzene, I

17.9-1,3-Difluorobenzene, I

18.0-1,4-Difluorobenzene, I

18.1-1,2-Difluorobenzene, I

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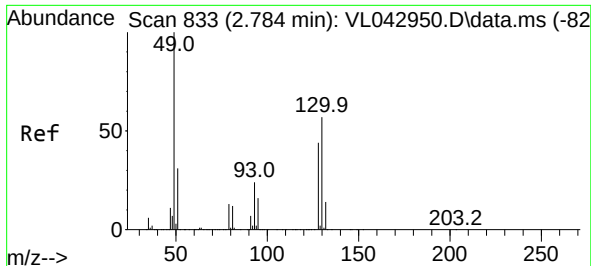
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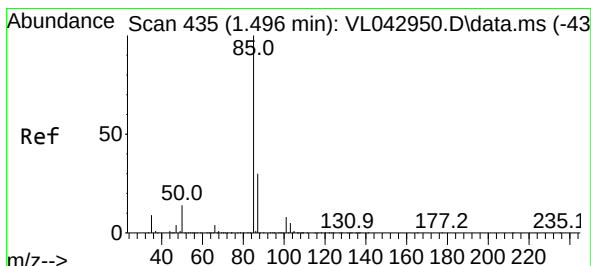
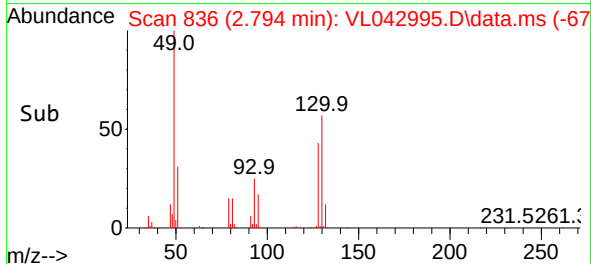
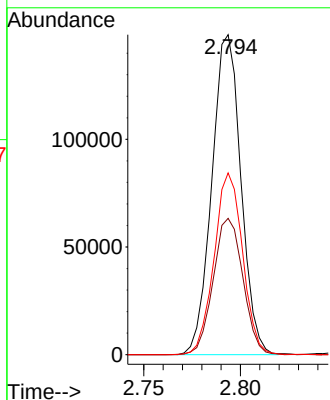
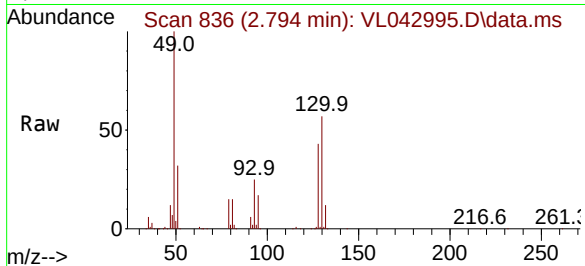
18.9-1,4-Difluorobenzene, I



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 836
Delta R.T. 0.010 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

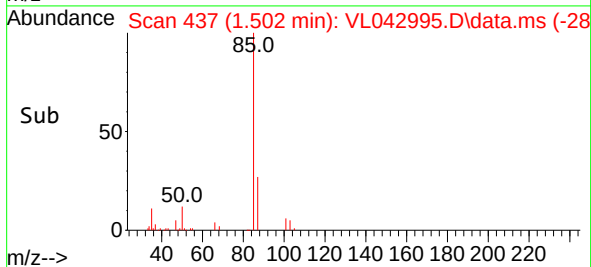
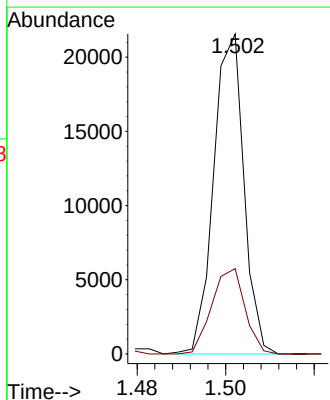
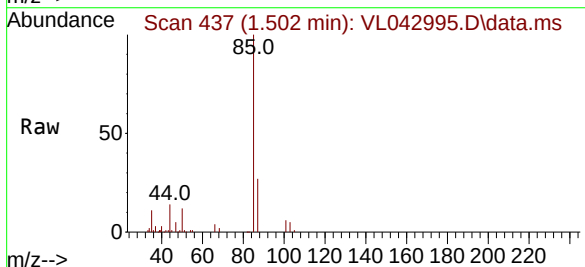
Instrument :
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LOD-MDL-AIR-01-QT3-2025

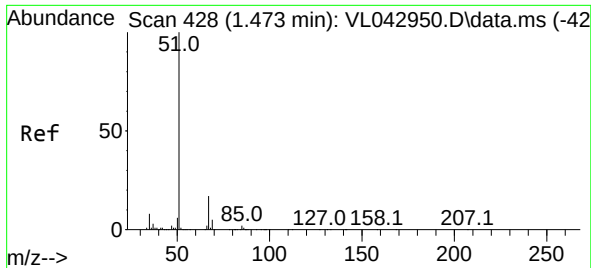
Tgt Ion: 49 Resp: 155235
Ion Ratio Lower Upper
49 100
128 43.6 22.9 68.8
130 55.8 29.1 87.3



#2
Dichlorodifluoromethane
Concen: 0.489 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.007 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion: 85 Resp: 10204
Ion Ratio Lower Upper
85 100
87 26.7 24.3 36.5

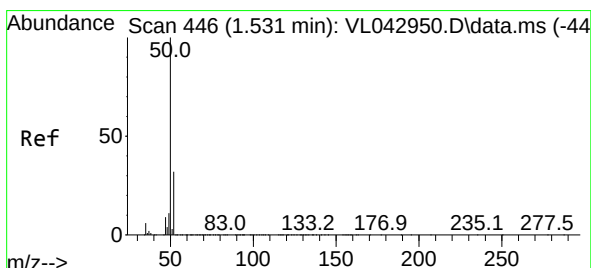
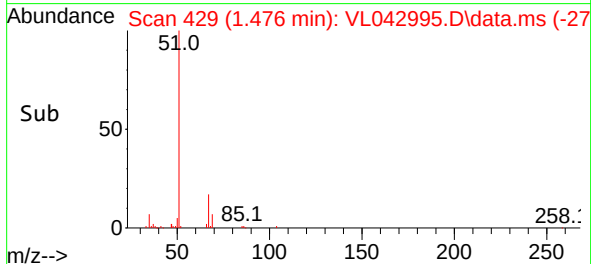
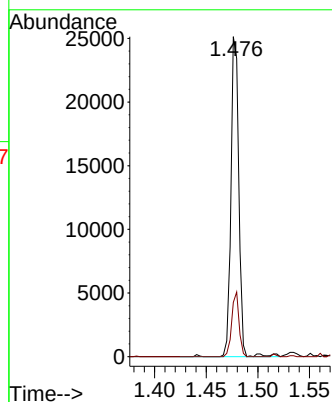
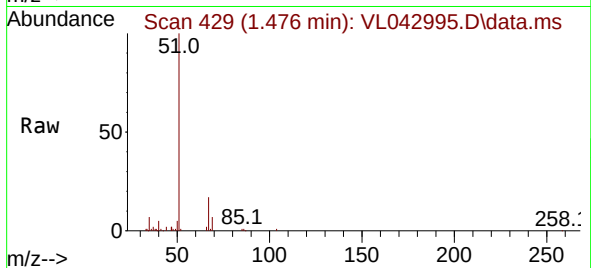




#3
Chlorodifluoromethane
Concen: 0.516 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

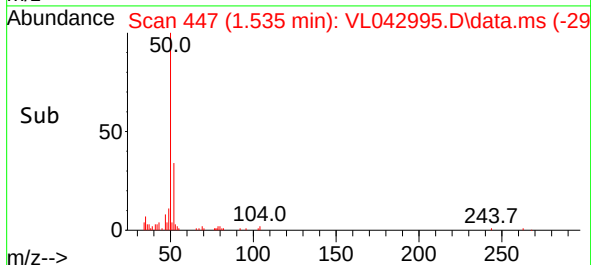
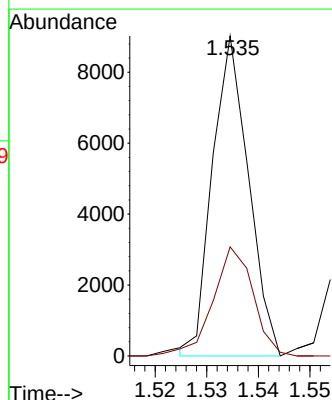
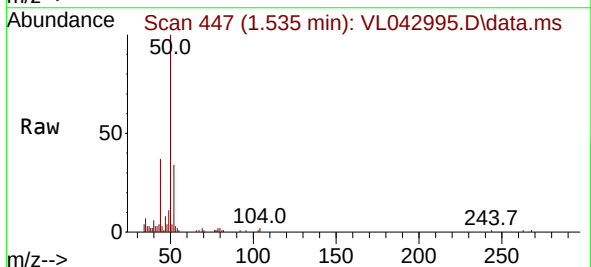
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

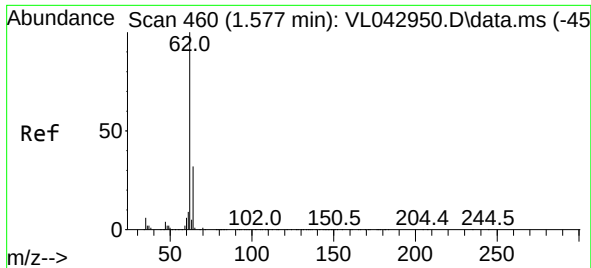
Tgt Ion: 51 Resp: 13424
Ion Ratio Lower Upper
51 100
67 18.7 13.8 20.8



#4
Chloromethane
Concen: 0.463 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion: 50 Resp: 4373
Ion Ratio Lower Upper
50 100
52 32.9 25.9 38.9

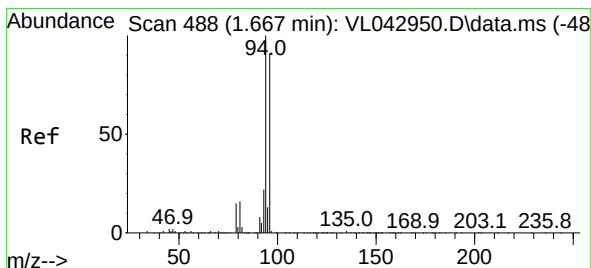
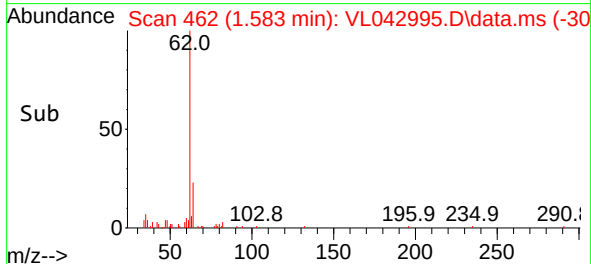
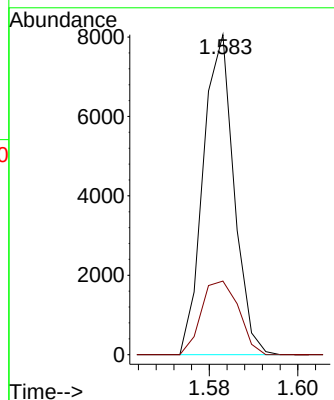
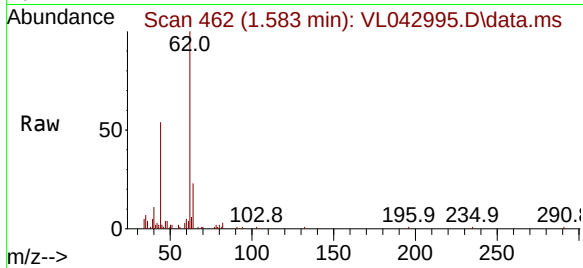




#5
 Vinyl Chloride
 Concen: 0.455 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.006 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

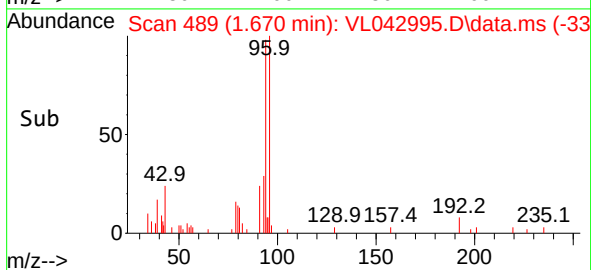
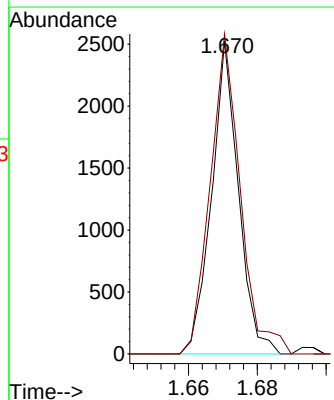
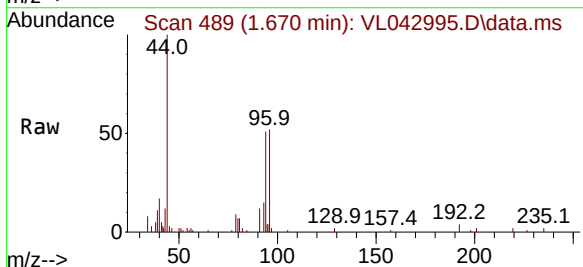
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

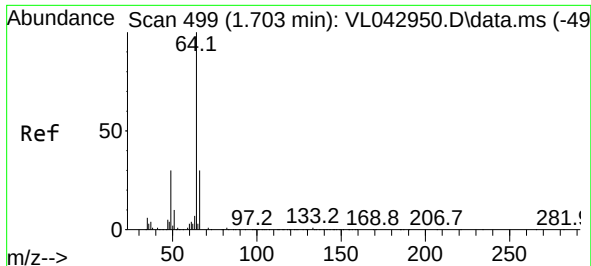
Tgt Ion: 62 Resp: 3890
 Ion Ratio Lower Upper
 62 100
 64 23.0 25.4 38.2#



#6
 Bromomethane
 Concen: 0.455 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

Tgt Ion: 94 Resp: 1371
 Ion Ratio Lower Upper
 94 100
 96 94.4 72.6 108.8

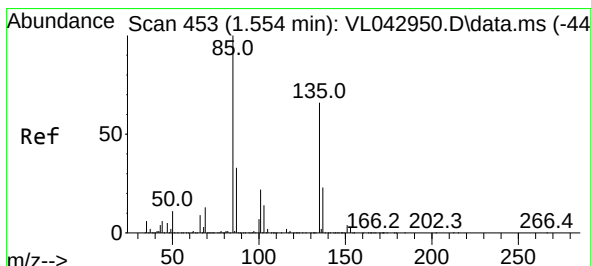
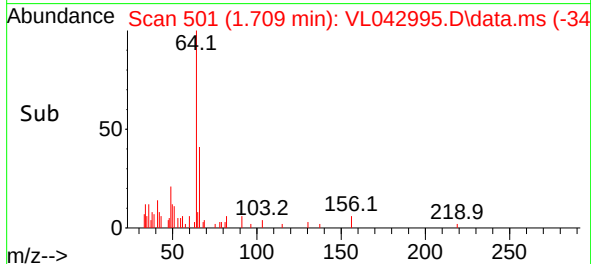
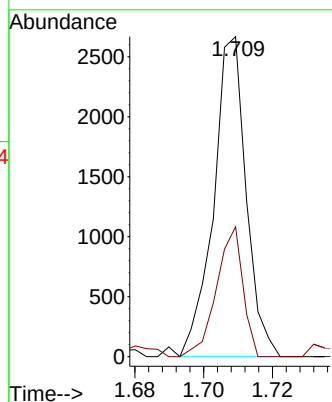
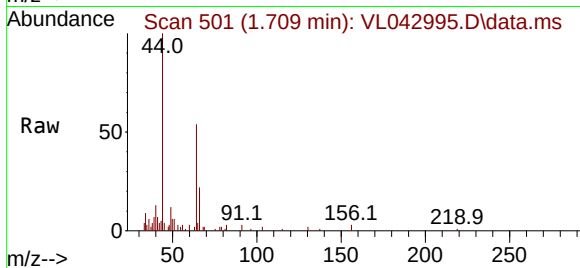




#7
Chloroethane
Concen: 0.529 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.006 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

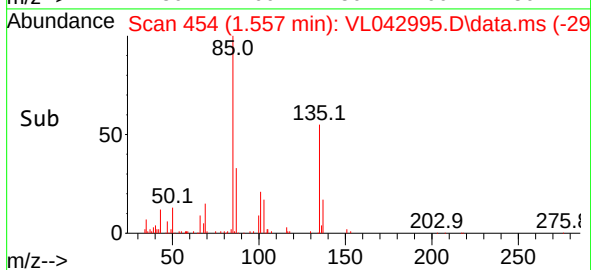
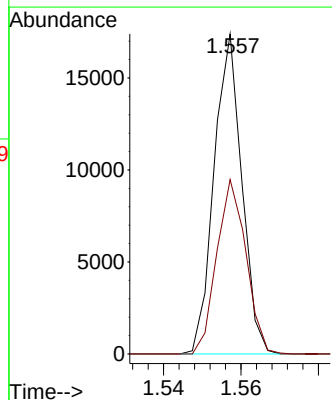
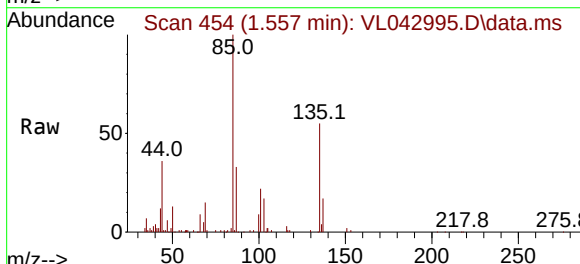
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

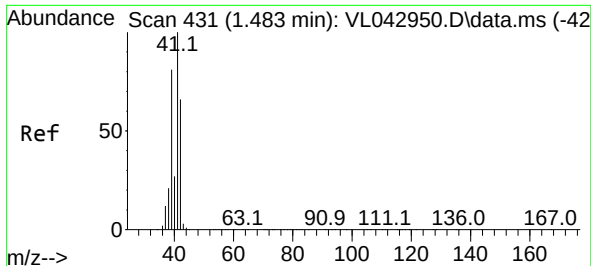
Tgt Ion: 64 Resp: 1755
Ion Ratio Lower Upper
64 100
66 40.6 24.6 36.8#



#8
Dichlorotetrafluoroethane
Concen: 0.486 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion: 85 Resp: 8654
Ion Ratio Lower Upper
85 100
135 57.5 49.7 74.5

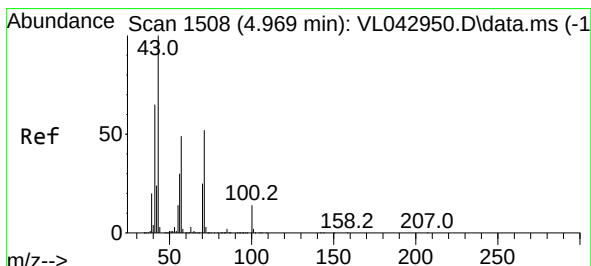
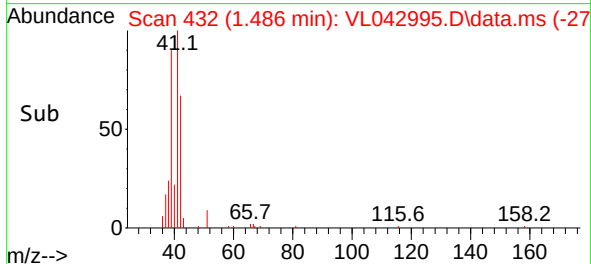
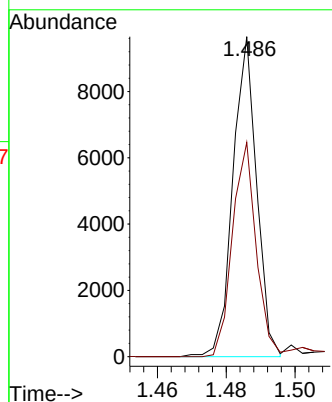
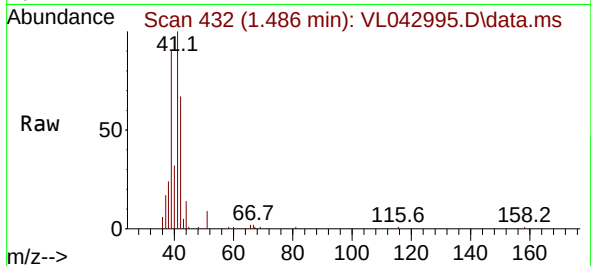




#9
Propene
Concen: 0.408 ppbv
RT: 1.486 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

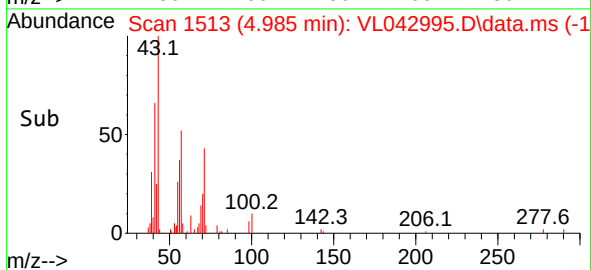
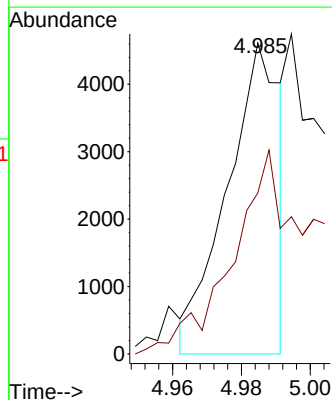
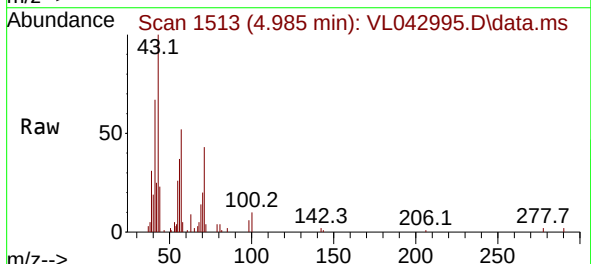
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

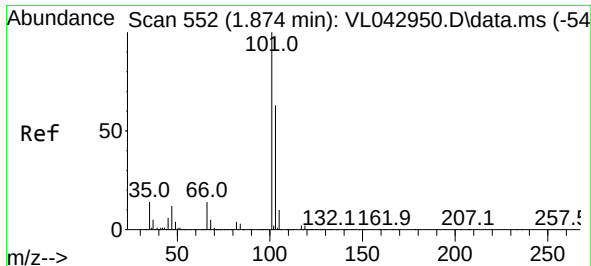
Tgt Ion: 41 Resp: 4619
Ion Ratio Lower Upper
41 100
42 71.0 57.4 86.2



#10
Heptane
Concen: 0.161 ppbv
RT: 4.985 min Scan# 1513
Delta R.T. 0.016 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion: 43 Resp: 4871
Ion Ratio Lower Upper
43 100
57 104.7 38.6 57.8#

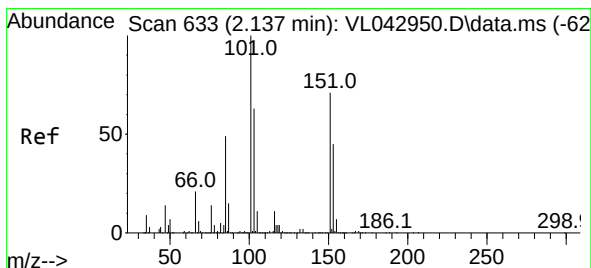
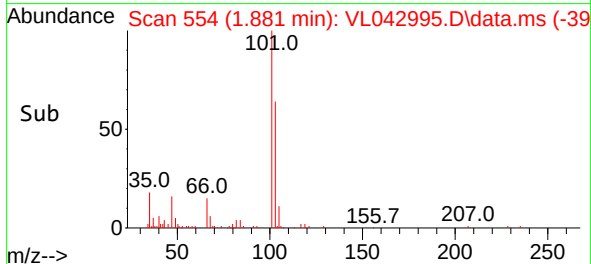
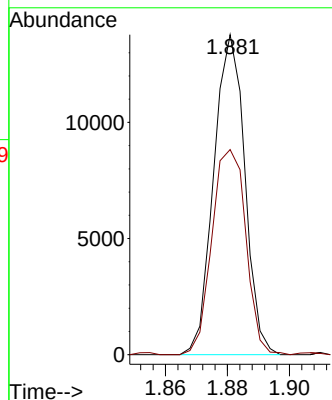
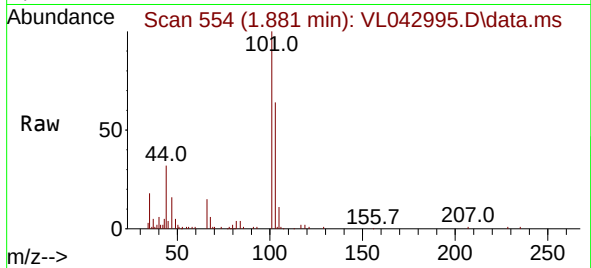




#11
Trichlorofluoromethane
Concen: 0.476 ppbv
RT: 1.881 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

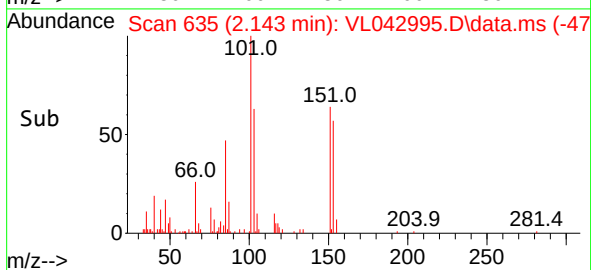
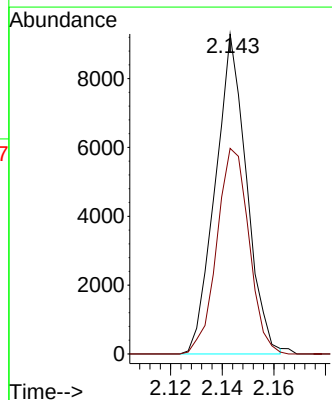
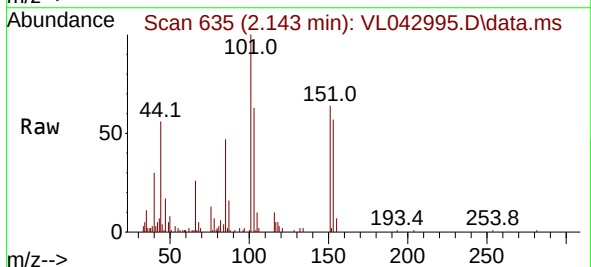
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

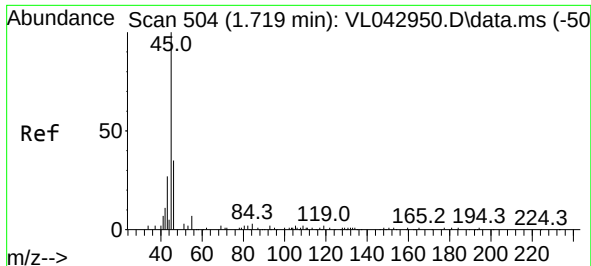
Tgt Ion:101 Resp: 9590
Ion Ratio Lower Upper
101 100
103 64.1 50.1 75.1



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.479 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.006 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion:101 Resp: 7807
Ion Ratio Lower Upper
101 100
151 66.2 55.7 83.5

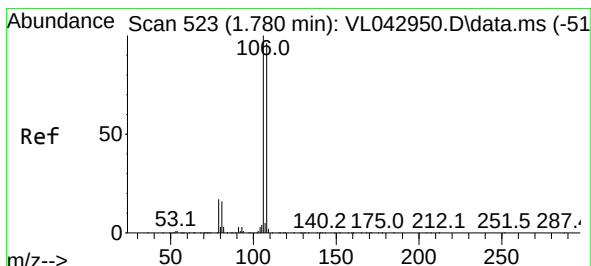
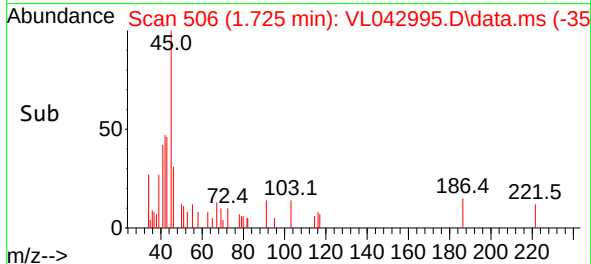
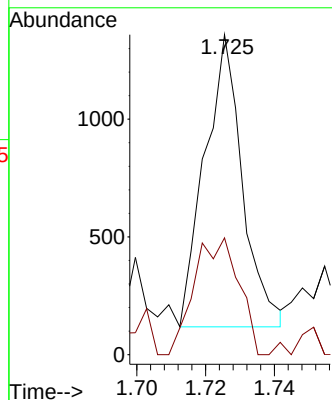
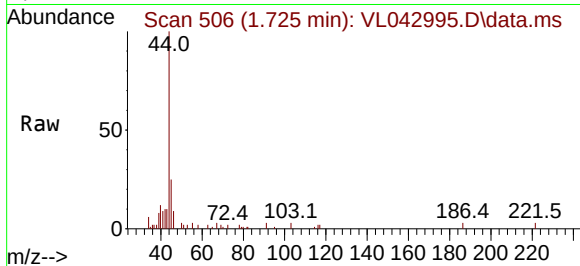




#13
Ethanol
Concen: 0.860 ppbv
RT: 1.725 min Scan# 504
Delta R.T. 0.006 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

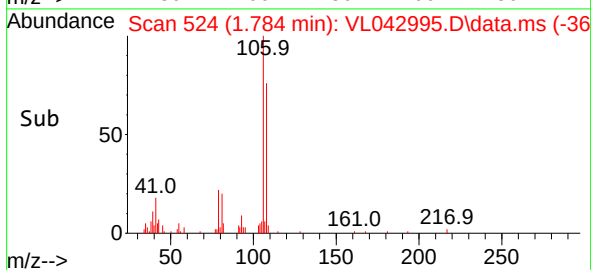
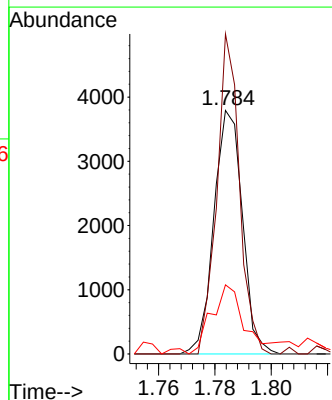
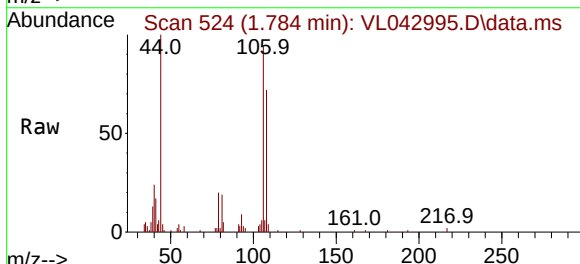
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

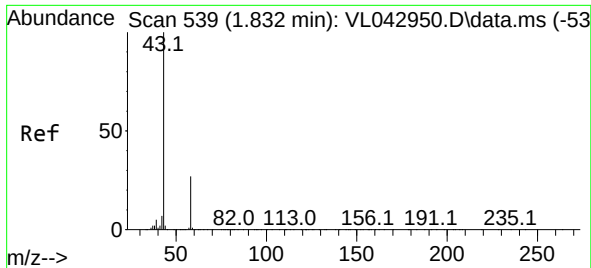
Tgt Ion: 45 Resp: 944
Ion Ratio Lower Upper
45 100
46 56.5 16.2 64.6



#14
Bromoethene
Concen: 0.433 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion: 108 Resp: 2667
Ion Ratio Lower Upper
108 100
106 105.0 86.0 129.0
79 40.8 14.2 21.2#





#15

Acetone

Concen: 0.604 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.006 min

Lab File: VL042995.D

Acq: 23 Sep 2025 17:01

Instrument :

MSVOA_1

ClientSampleId :

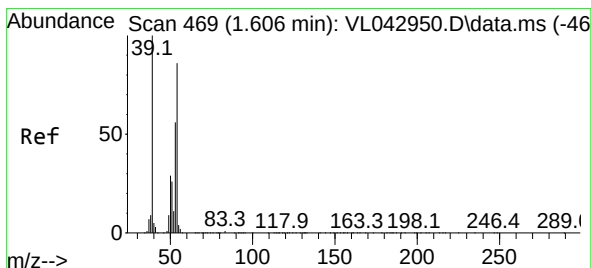
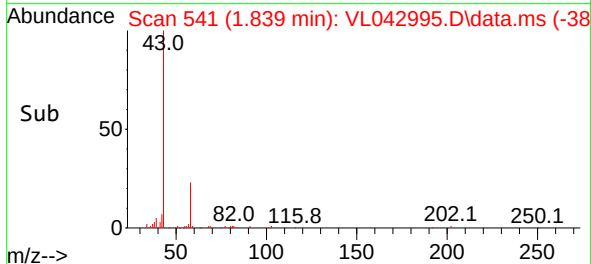
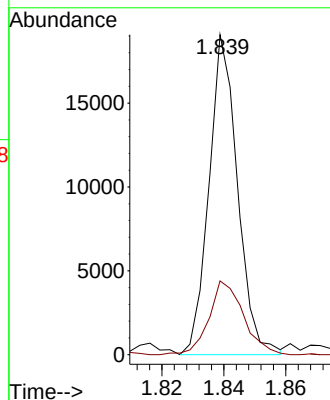
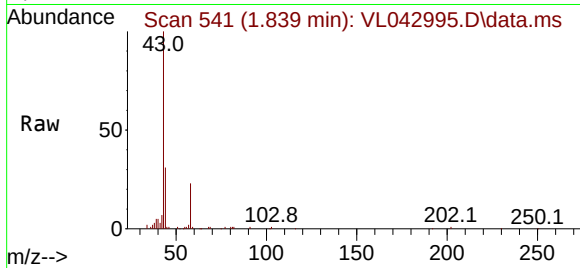
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 43 Resp: 12211

Ion Ratio Lower Upper

43 100

58 28.3 22.3 33.5



#16

1,3-Butadiene

Concen: 0.499 ppbv

RT: 1.612 min Scan# 471

Delta R.T. 0.006 min

Lab File: VL042995.D

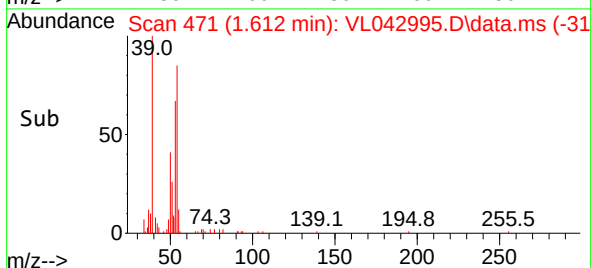
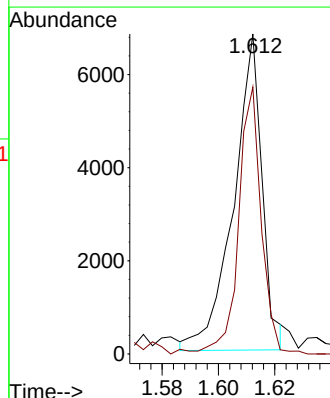
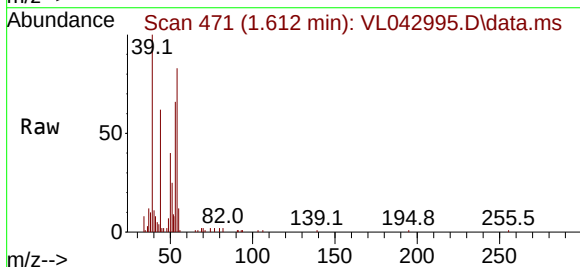
Acq: 23 Sep 2025 17:01

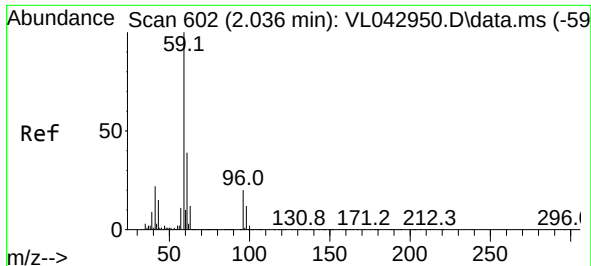
Tgt Ion: 39 Resp: 4763

Ion Ratio Lower Upper

39 100

54 72.2 60.8 91.2

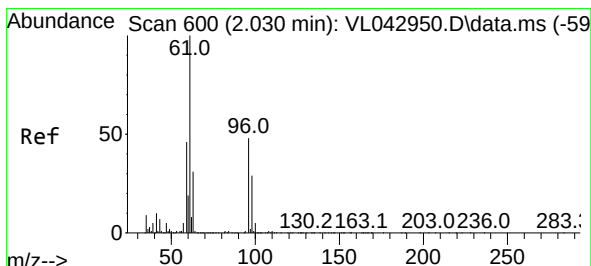
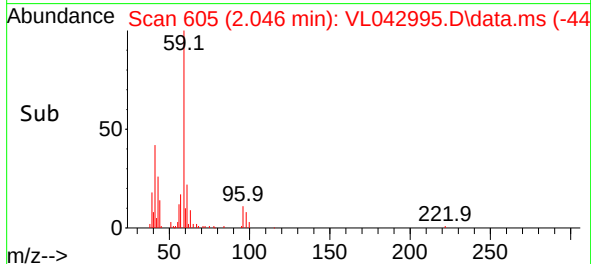
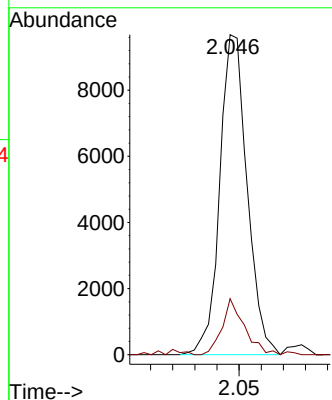
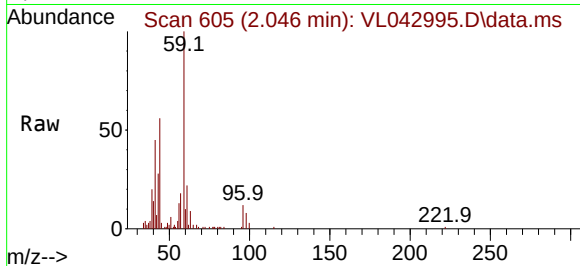




#17
tert-Butyl alcohol
Concen: 0.375 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.010 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

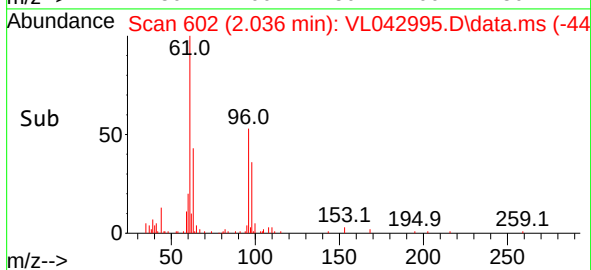
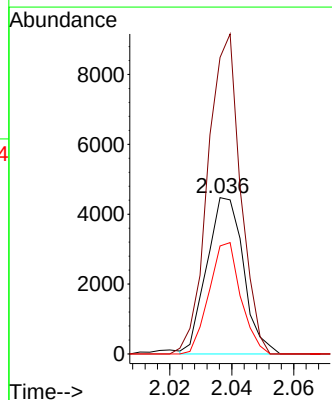
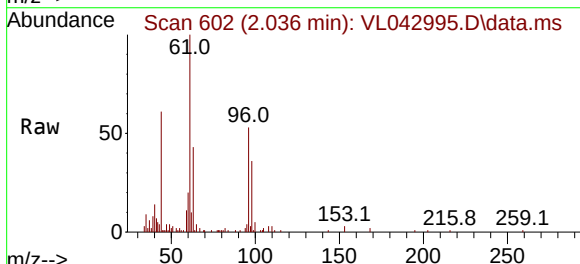
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

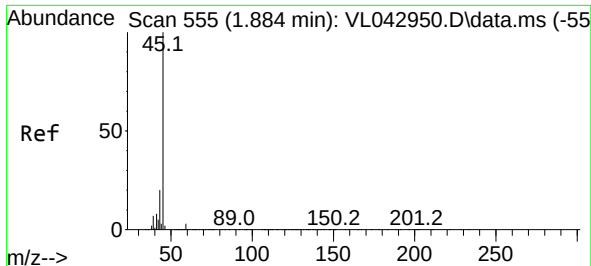
Tgt Ion: 59 Resp: 8309
Ion Ratio Lower Upper
59 100
57 15.3 8.6 12.8#



#18
1,1-Dichloroethene
Concen: 0.487 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.006 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion: 96 Resp: 3672
Ion Ratio Lower Upper
96 100
61 189.7 166.2 249.4
98 69.1 48.6 73.0

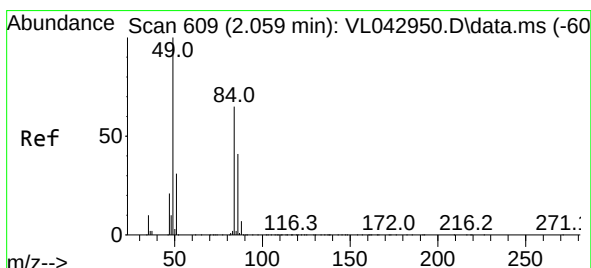
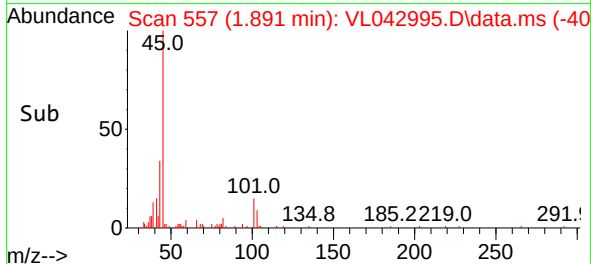
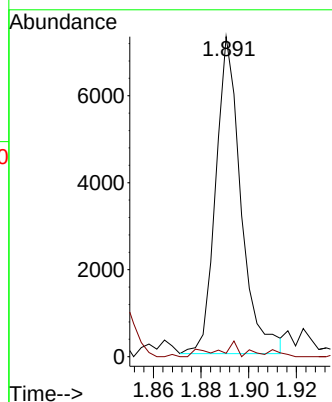
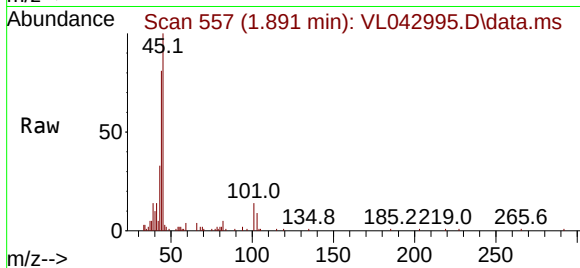




#19
Isopropyl Alcohol
Concen: 0.441 ppbv
RT: 1.891 min Scan# 511
Delta R.T. 0.006 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

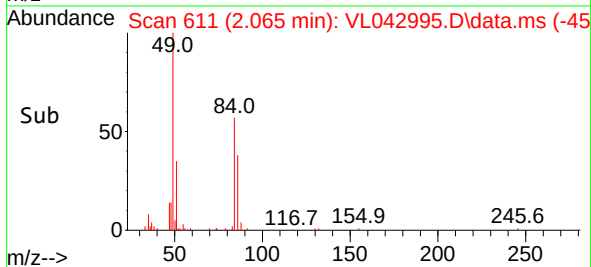
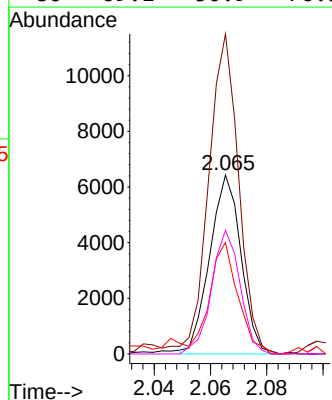
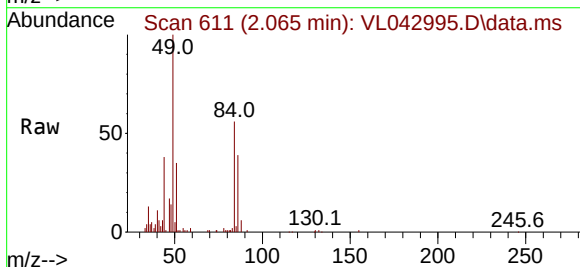
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

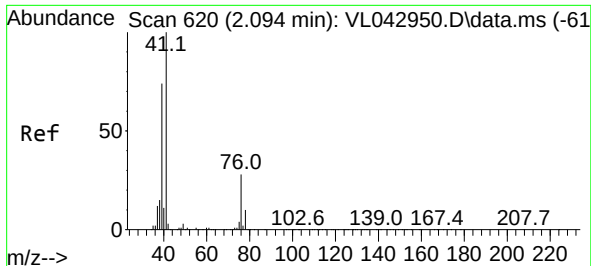
Tgt Ion: 45 Resp: 5361
Ion Ratio Lower Upper
45 100
58 5.7 31.0 46.6#



#20
Methylene Chloride
Concen: 0.585 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion: 84 Resp: 4951
Ion Ratio Lower Upper
84 100
49 178.8 124.1 186.1
51 62.3 39.8 59.8#
86 69.1 50.9 76.3

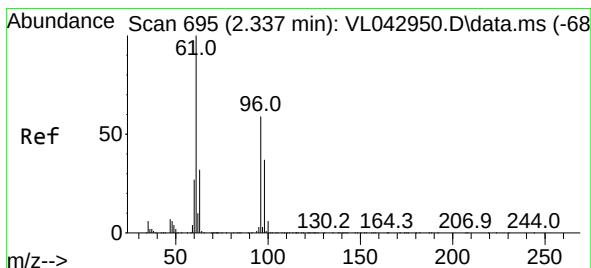
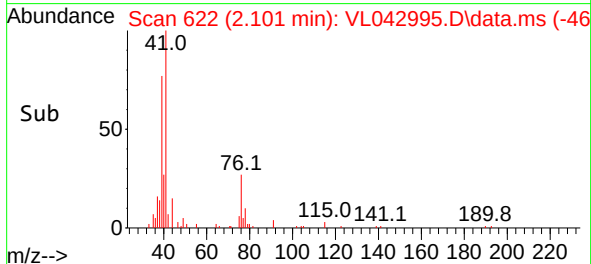
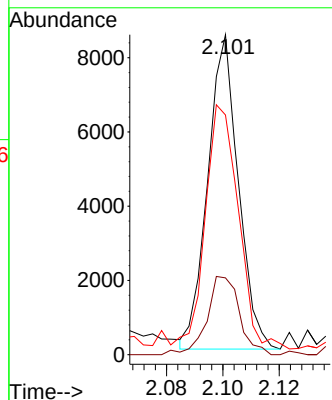
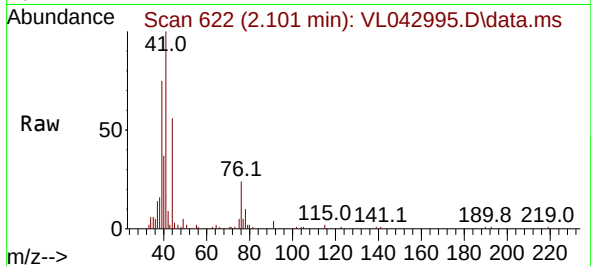




#21
 Allyl Chloride
 Concen: 0.454 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

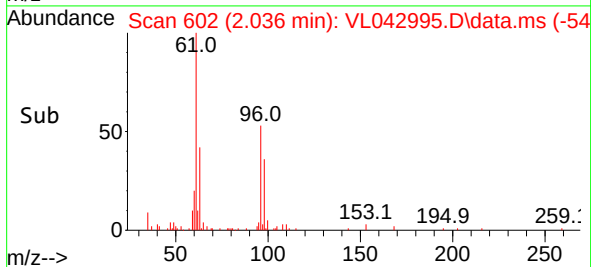
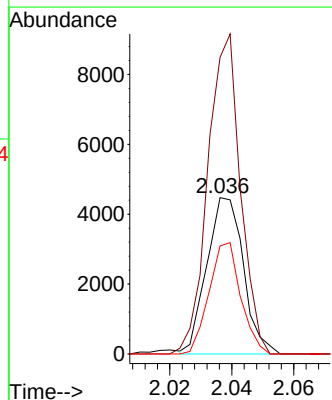
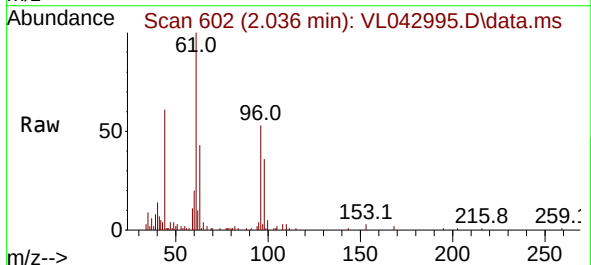
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

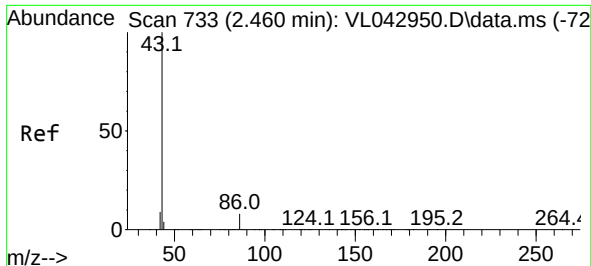
Tgt Ion: 41 Resp: 6395
 Ion Ratio Lower Upper
 41 100
 76 26.8 22.3 33.5
 39 90.6 61.3 91.9



#22
 trans-1,2-Dichloroethene
 Concen: 0.428 ppbv
 RT: 2.036 min Scan# 602
 Delta R.T. -0.301 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

Tgt Ion: 96 Resp: 3672
 Ion Ratio Lower Upper
 96 100
 61 189.7 136.5 204.7
 98 69.1 50.6 76.0

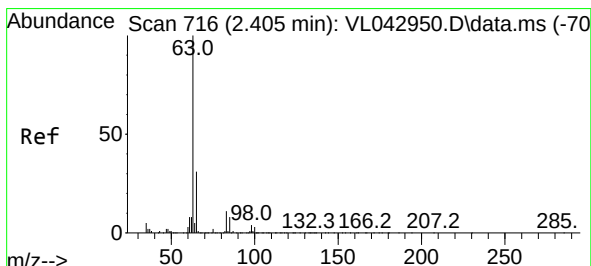
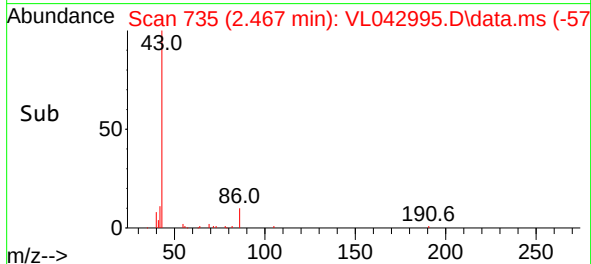
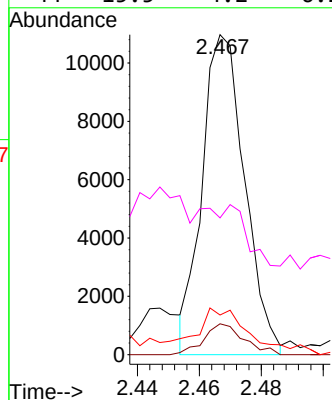
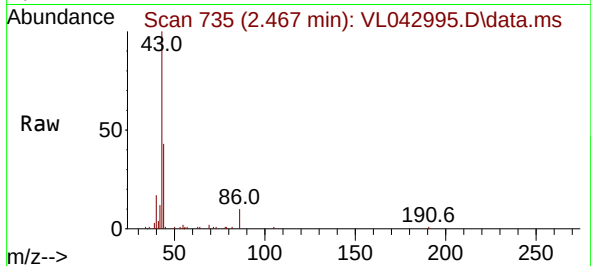




#23
 Vinyl Acetate
 Concen: 0.362 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. 0.006 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

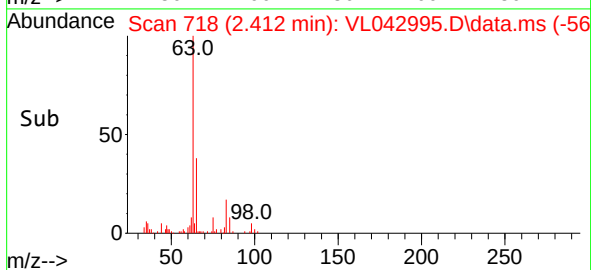
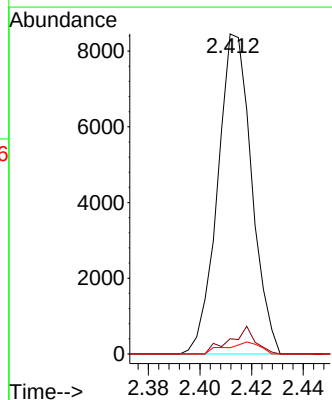
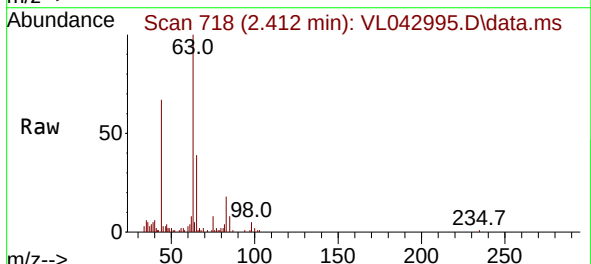
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

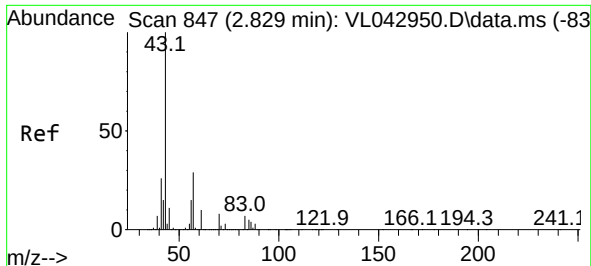
Tgt Ion:	43	Resp:	10459
Ion	Ratio	Lower	Upper
43	100		
86	9.9	6.2	9.2#
42	9.6	7.4	11.0
44	15.5	4.2	6.2#



#24
 1,1-Dichloroethane
 Concen: 0.461 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.006 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

Tgt Ion:	63	Resp:	7751
Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.2	6.6
100	1.9	1.4	4.0

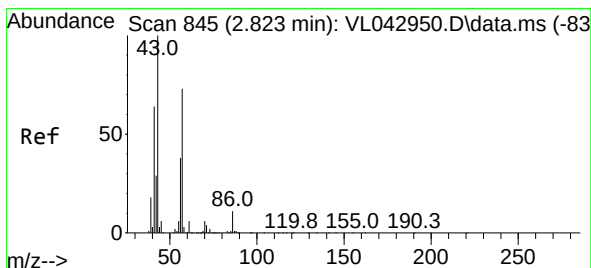
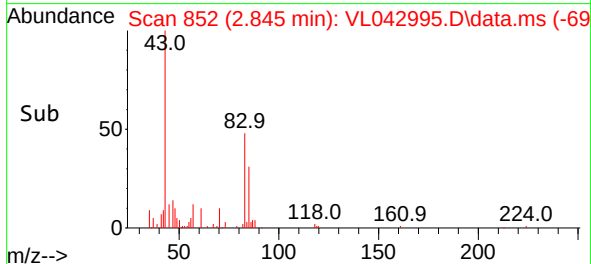
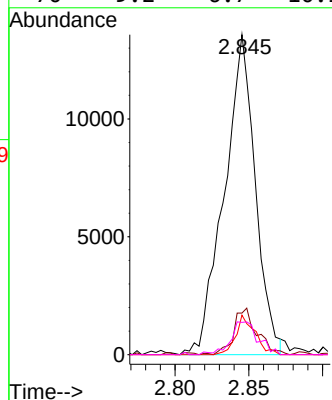
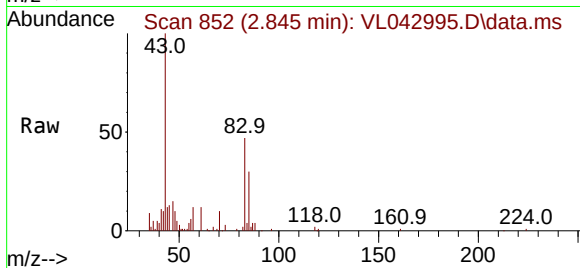




#25
Ethyl Acetate
Concen: 0.389 ppbv
RT: 2.845 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

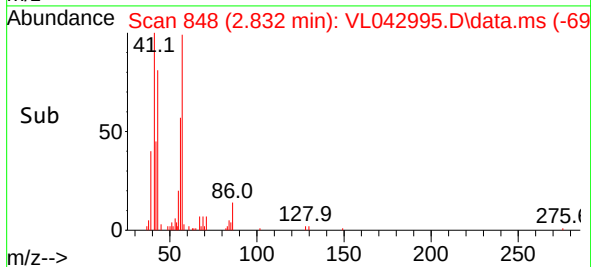
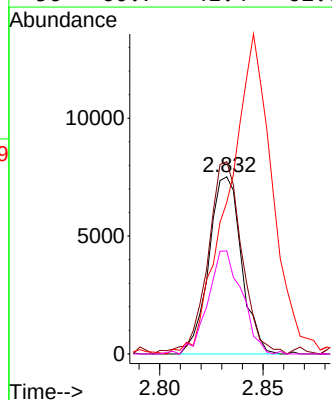
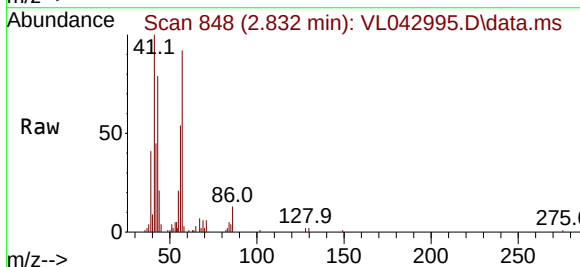
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

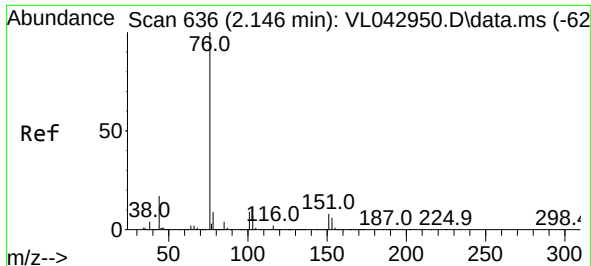
Tgt Ion: 43 Resp: 19856
Ion Ratio Lower Upper
43 100
45 11.5 7.7 11.5
61 7.7 7.1 10.7
70 9.2 6.7 10.1



#26
Hexane
Concen: 0.354 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.010 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion: 57 Resp: 8253
Ion Ratio Lower Upper
57 100
41 114.1 71.7 107.5#
43 250.2 180.8 271.2
56 60.7 41.4 62.0

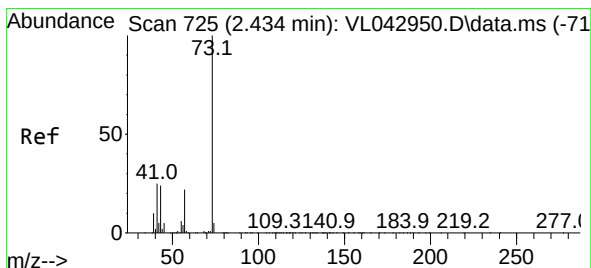
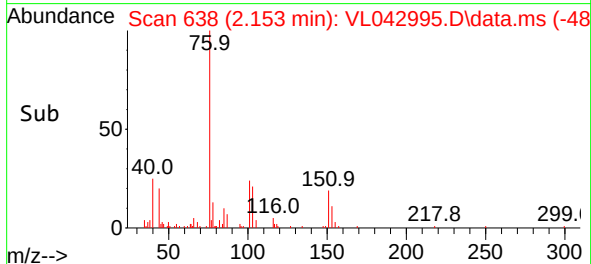
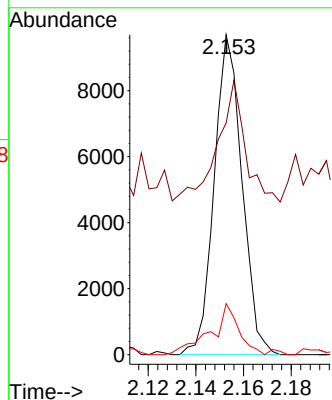
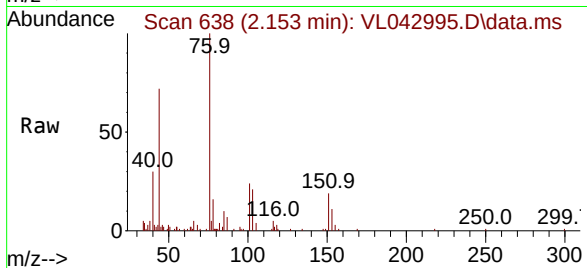




#27
Carbon Disulfide
Concen: 0.376 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

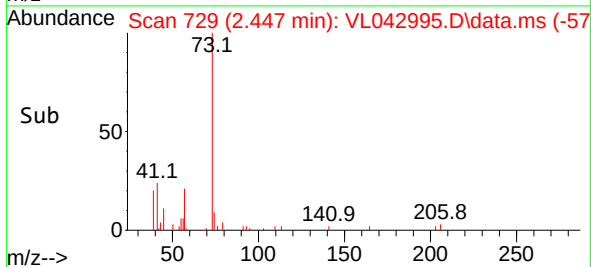
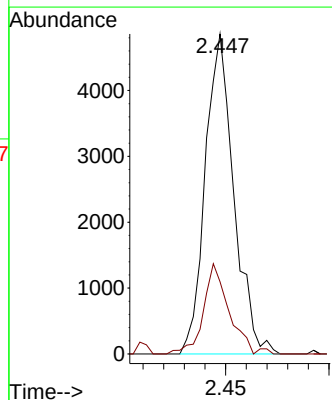
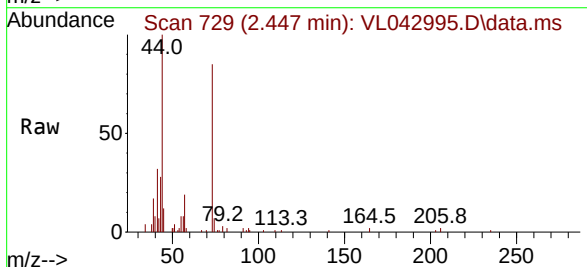
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

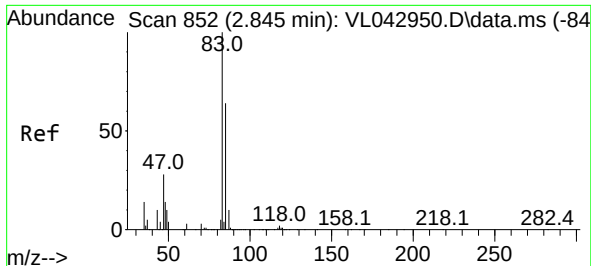
Tgt Ion: 76 Resp: 7846
Ion Ratio Lower Upper
76 100
44 84.8 15.6 23.4#
78 16.7 8.9 13.3#



#28
Methyl tert-Butyl Ether
Concen: 0.386 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.013 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion: 73 Resp: 4671
Ion Ratio Lower Upper
73 100
57 26.7 20.6 31.0





#29

Chloroform

Concen: 0.514 ppbv

RT: 2.855 min Scan# 81

Delta R.T. 0.010 min

Lab File: VL042995.D

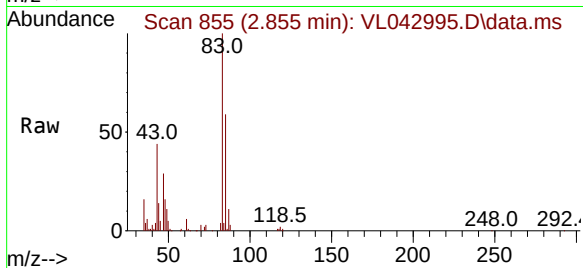
Acq: 23 Sep 2025 17:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

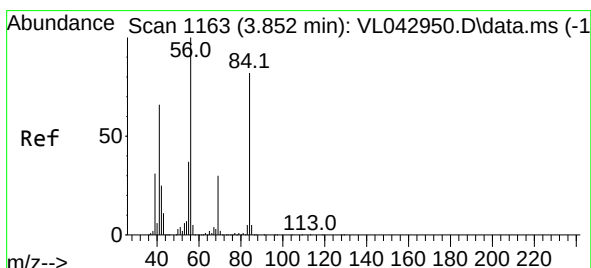
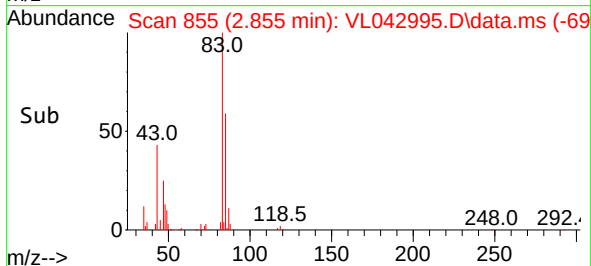
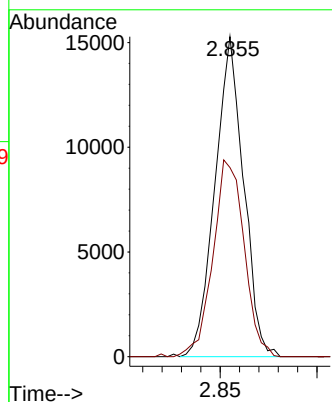


Tgt Ion: 83 Resp: 15668

Ion Ratio Lower Upper

83 100

85 59.1 51.2 76.8



#30

Cyclohexane

Concen: 0.169 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.013 min

Lab File: VL042995.D

Acq: 23 Sep 2025 17:01

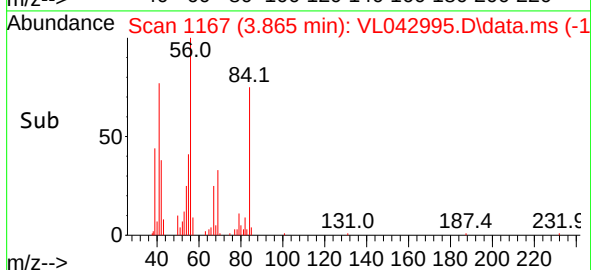
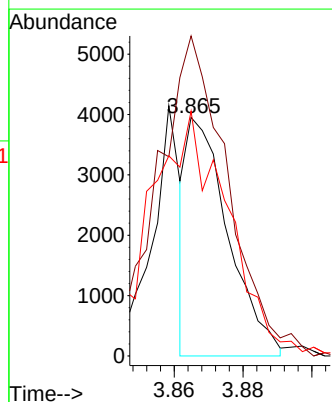
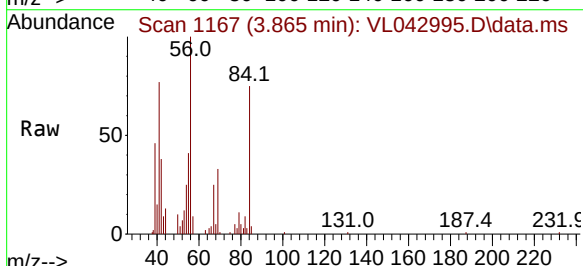
Tgt Ion: 84 Resp: 3299

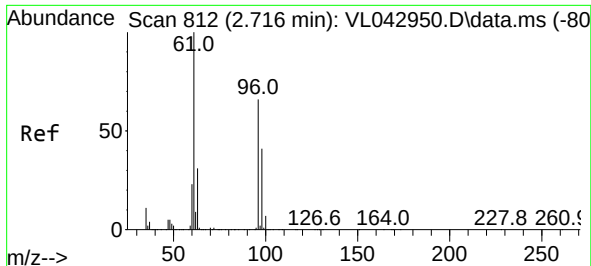
Ion Ratio Lower Upper

84 100

56 233.5 102.2 153.4#

41 203.3 65.6 98.4#

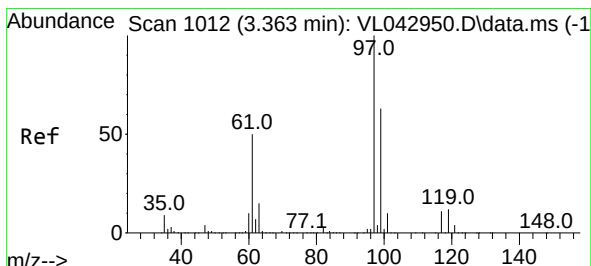
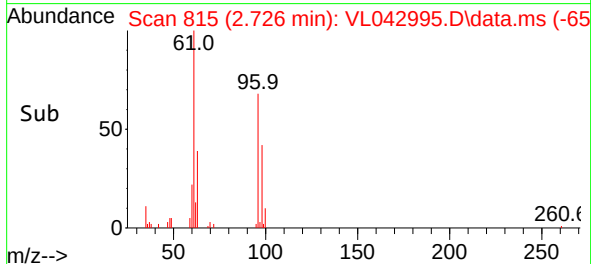
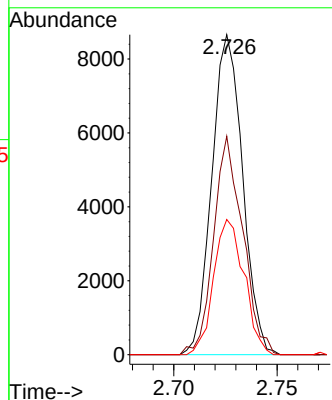
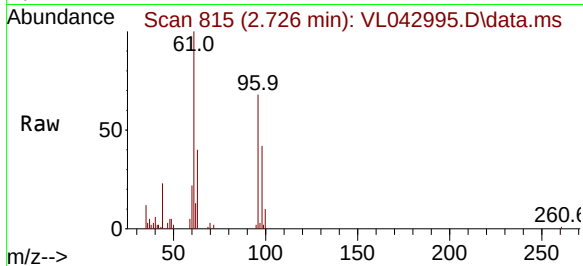




#31
 cis-1,2-Dichloroethene
 Concen: 0.412 ppbv
 RT: 2.726 min Scan# 812
 Delta R.T. 0.010 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

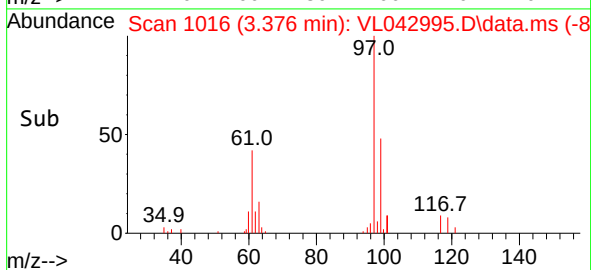
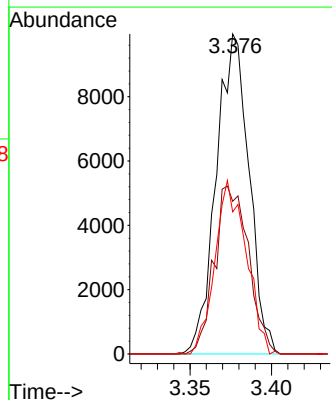
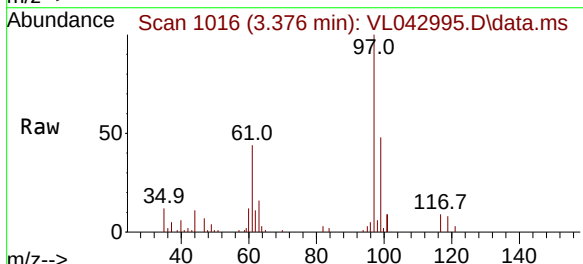
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

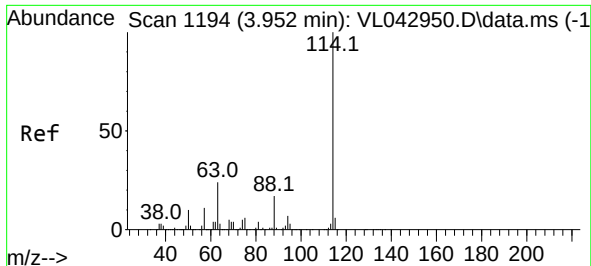
Tgt Ion:	61	Resp:	8982
Ion	Ratio	Lower	Upper
61	100		
96	68.3	53.0	79.6
98	42.2	32.9	49.3



#32
 1,1,1-Trichloroethane
 Concen: 0.422 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.013 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

Tgt Ion:	97	Resp:	13895
Ion	Ratio	Lower	Upper
97	100		
99	54.6	51.1	76.7
61	51.7	39.8	59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. 0.013 min

Lab File: VL042995.D

Acq: 23 Sep 2025 17:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

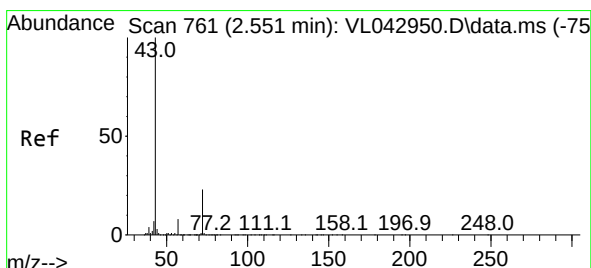
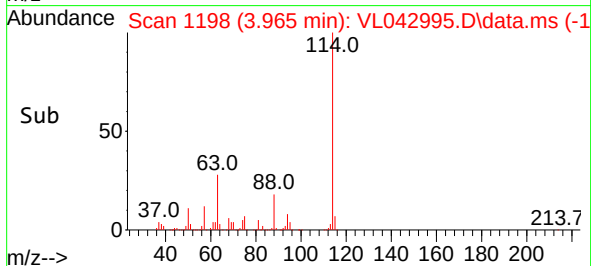
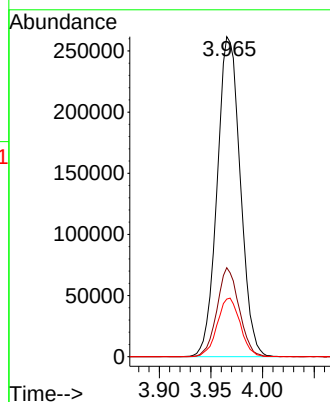
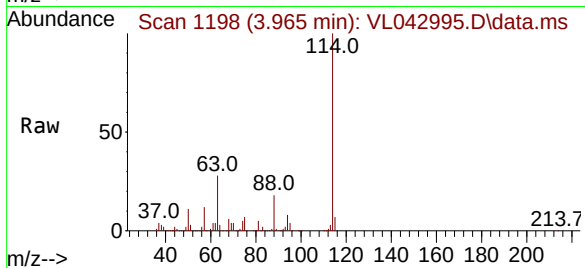
Tgt Ion:114 Resp: 407758

Ion Ratio Lower Upper

114 100

63 26.7 19.4 29.2

88 18.2 14.2 21.2



#34

2-Butanone

Concen: 0.513 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.016 min

Lab File: VL042995.D

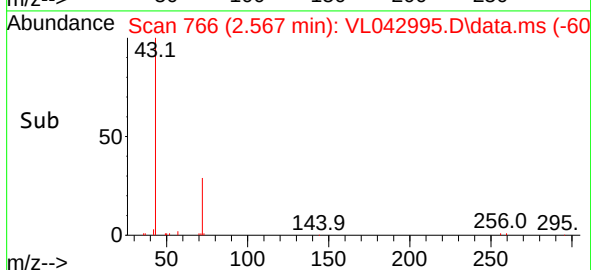
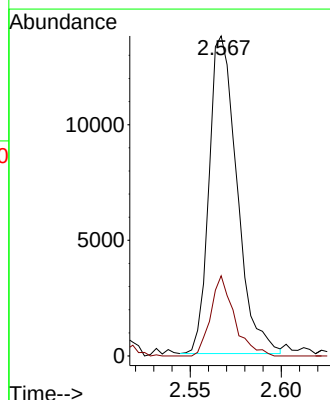
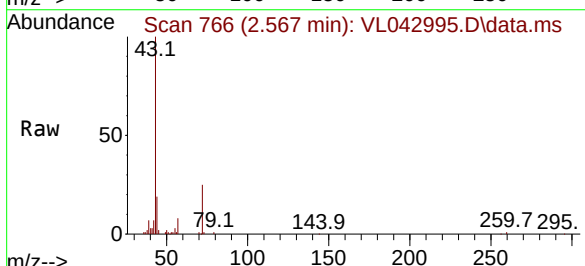
Acq: 23 Sep 2025 17:01

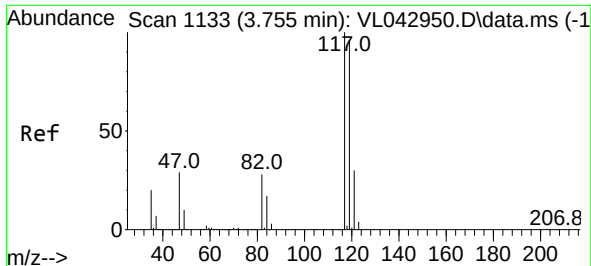
Tgt Ion: 43 Resp: 14664

Ion Ratio Lower Upper

43 100

72 21.3 17.7 26.5

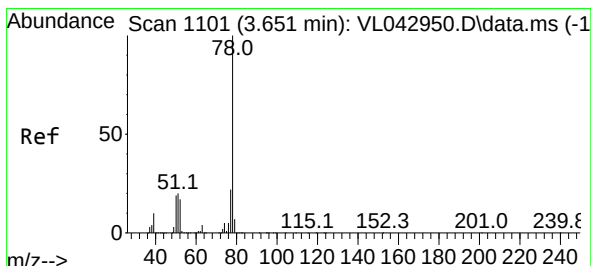
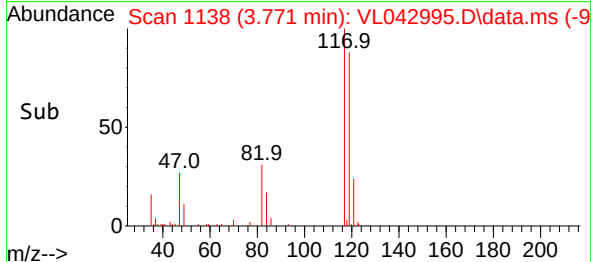
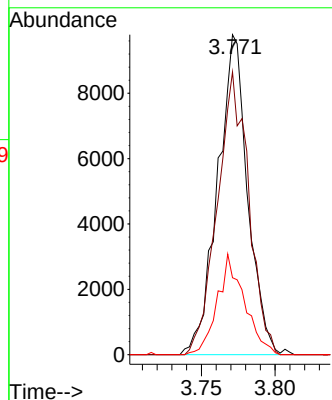
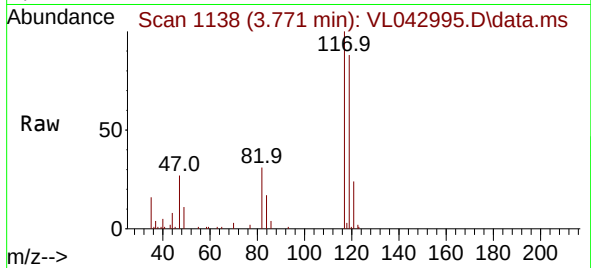




#35
Carbon Tetrachloride
Concen: 0.522 ppbv
RT: 3.771 min Scan# 1133
Delta R.T. 0.016 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

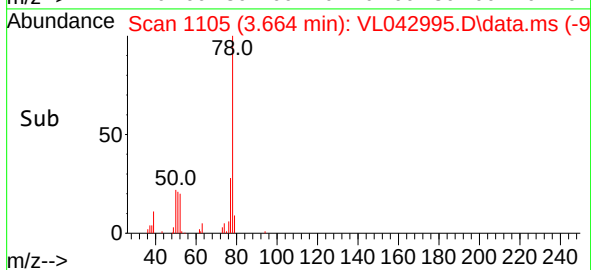
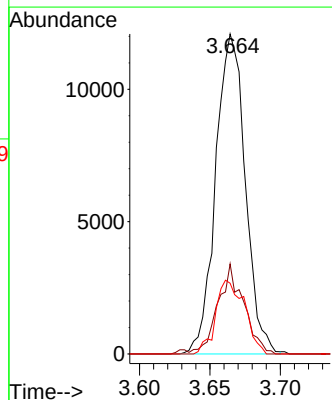
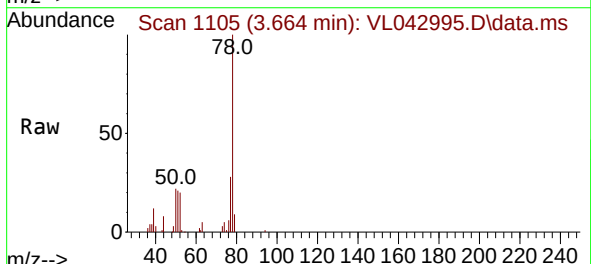
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

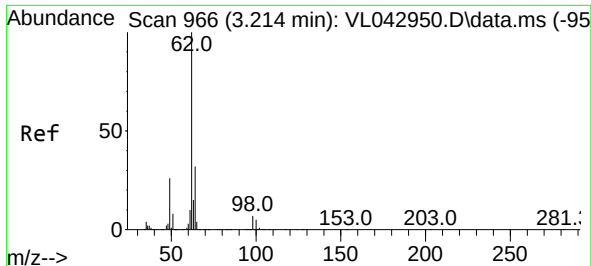
Tgt Ion:117 Resp: 13870
Ion Ratio Lower Upper
117 100
119 88.3 76.9 115.3
121 24.1 23.7 35.5



#36
Benzene
Concen: 0.462 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.013 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion: 78 Resp: 17708
Ion Ratio Lower Upper
78 100
77 27.5 17.8 26.6#
50 22.1 15.0 22.4





#37

1,2-Dichloroethane

Concen: 0.573 ppbv

RT: 3.227 min Scan# 91

Delta R.T. 0.013 min

Lab File: VL042995.D

Acq: 23 Sep 2025 17:01

Instrument :

MSVOA_L

ClientSampleId :

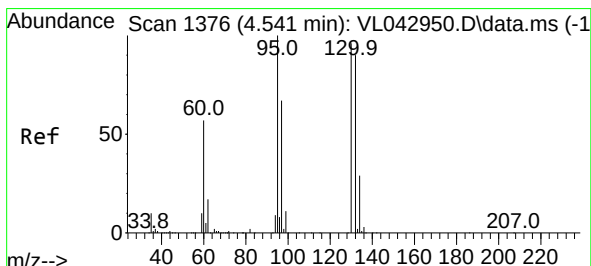
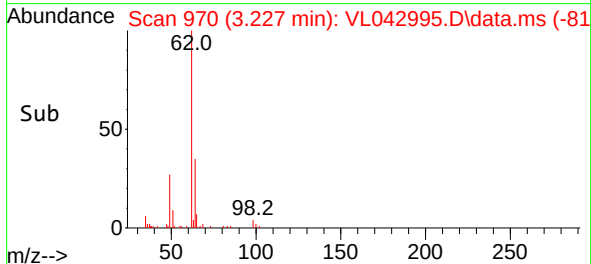
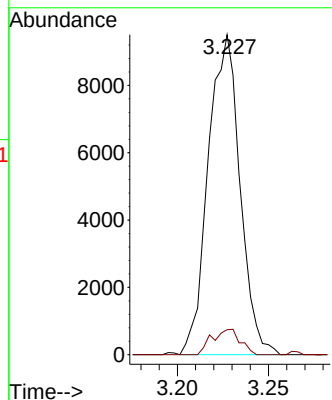
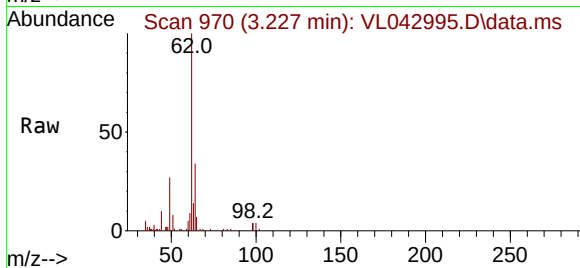
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 62 Resp: 11545

Ion Ratio Lower Upper

62 100

98 7.1 5.9 8.9



#38

Trichloroethene

Concen: 0.481 ppbv

RT: 4.561 min Scan# 1382

Delta R.T. 0.019 min

Lab File: VL042995.D

Acq: 23 Sep 2025 17:01

Tgt Ion: 130 Resp: 9160

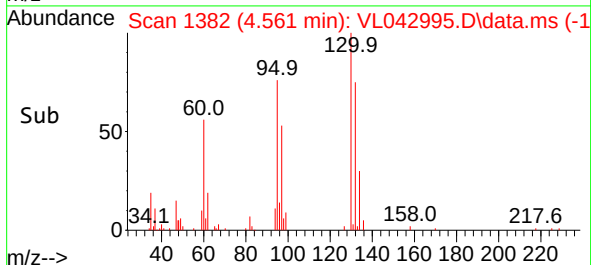
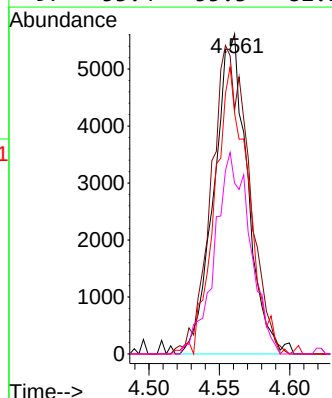
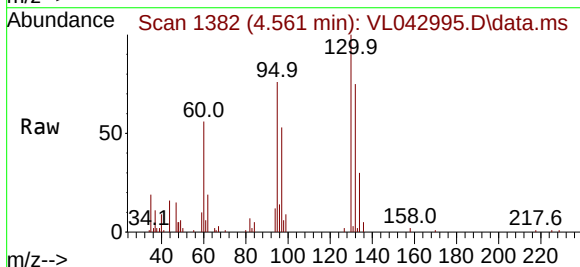
Ion Ratio Lower Upper

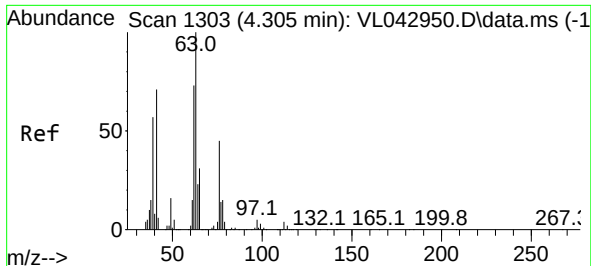
130 100

95 73.7 83.0 124.4#

132 75.2 74.6 112.0

97 53.4 55.3 82.9#





#39

1,2-Dichloropropane

Concen: 0.525 ppbv

RT: 4.324 min Scan# 1309

Delta R.T. 0.019 min

Lab File: VL042995.D

Acq: 23 Sep 2025 17:01

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

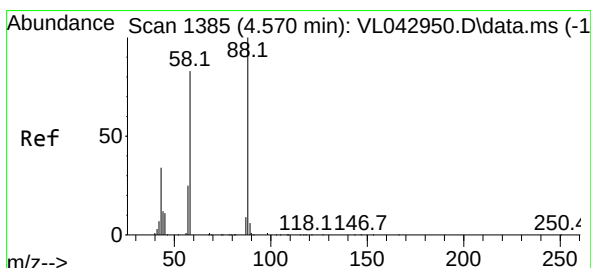
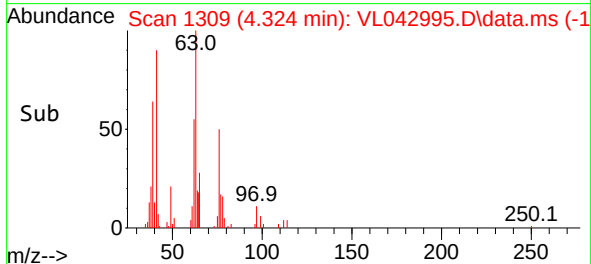
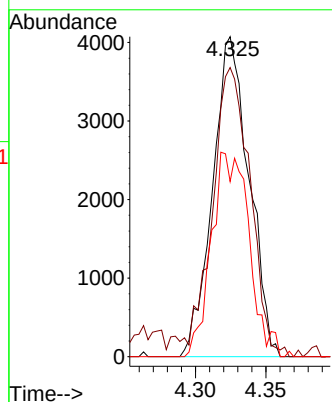
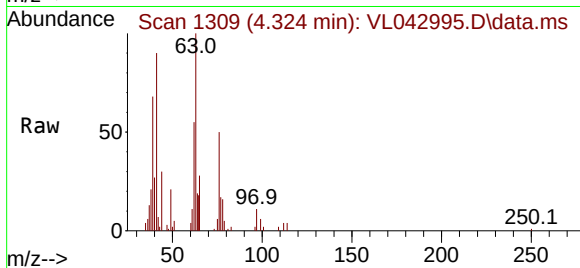
Tgt Ion: 63 Resp: 7339

Ion Ratio Lower Upper

63 100

41 88.2 57.5 86.3#

62 54.8 58.5 87.7#



#40

1,4-Dioxane

Concen: 0.115 ppbv

RT: 4.606 min Scan# 1396

Delta R.T. 0.036 min

Lab File: VL042995.D

Acq: 23 Sep 2025 17:01

Tgt Ion: 88 Resp: 747

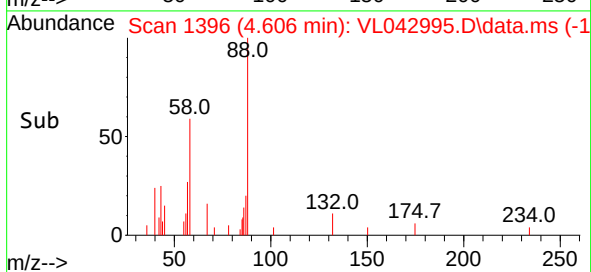
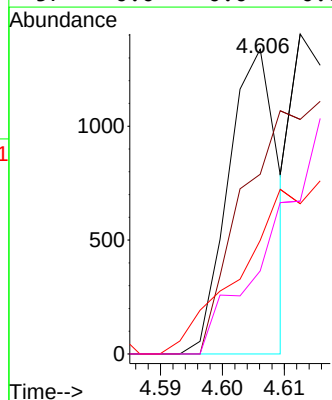
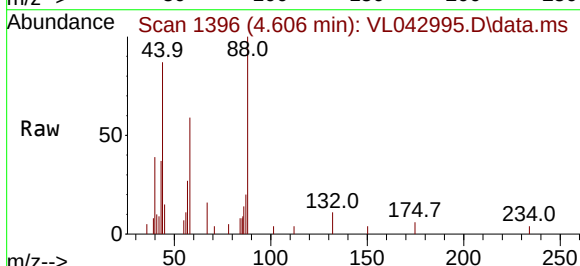
Ion Ratio Lower Upper

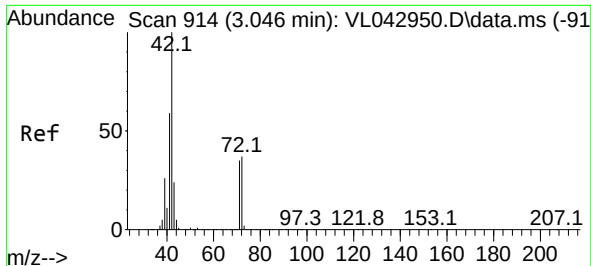
88 100

58 0.0 59.7 89.5#

43 0.0 28.9 43.3#

57 0.0 0.0 0.0

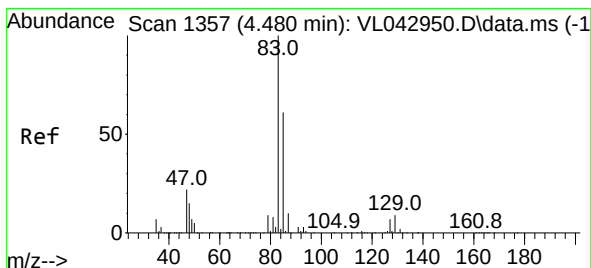
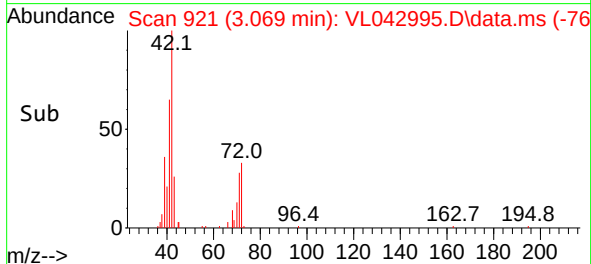
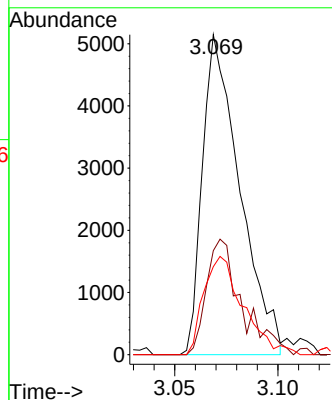
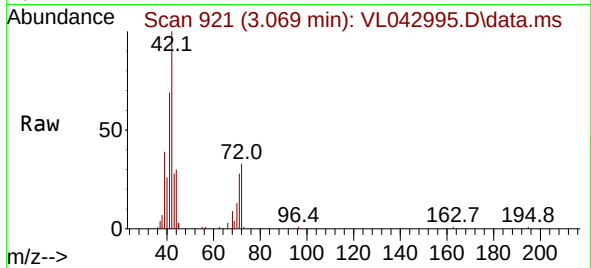




#41
Tetrahydrofuran
Concen: 0.394 ppbv
RT: 3.069 min Scan# 914
Delta R.T. 0.023 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

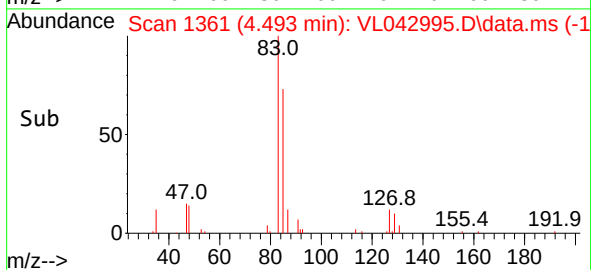
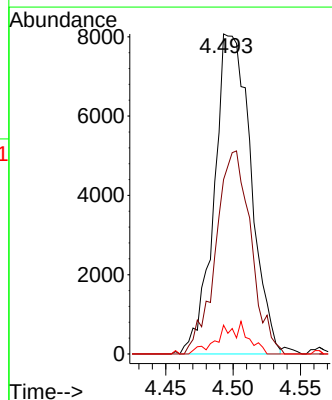
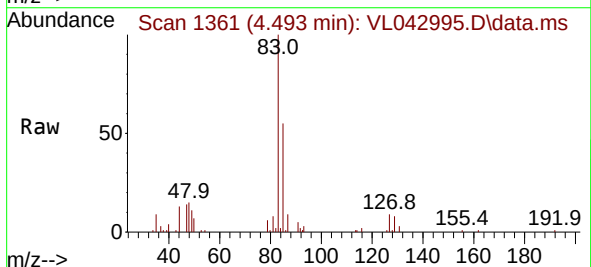
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

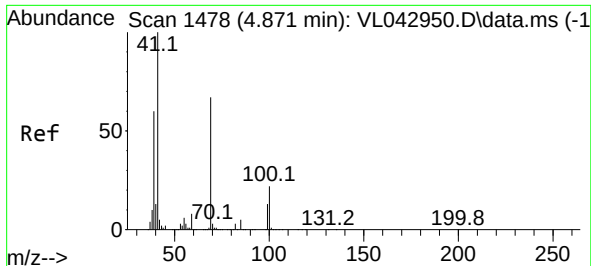
Tgt Ion: 42 Resp: 6476
Ion Ratio Lower Upper
42 100
72 34.4 30.0 45.0
71 33.0 28.8 43.2



#42
Bromodichloromethane
Concen: 0.545 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. 0.013 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion: 83 Resp: 15274
Ion Ratio Lower Upper
83 100
85 54.5 49.0 73.6
127 9.0 5.3 7.9

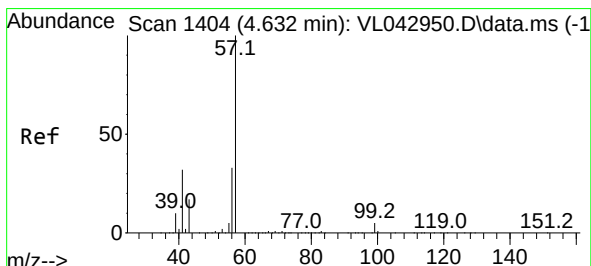
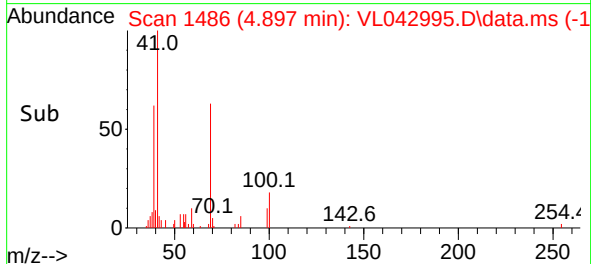
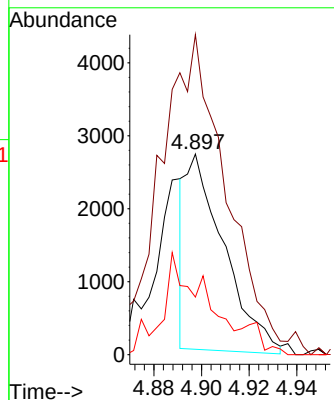
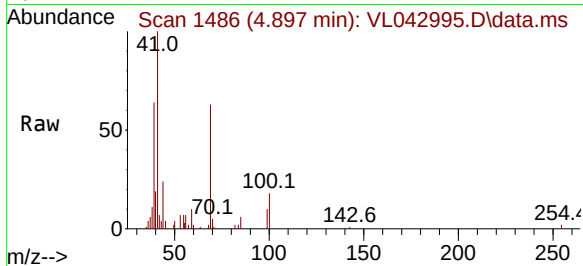




#43
Methyl Methacrylate
Concen: 0.191 ppbv
RT: 4.897 min Scan# 1486
Delta R.T. 0.026 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

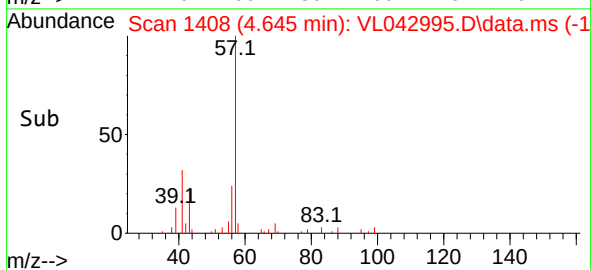
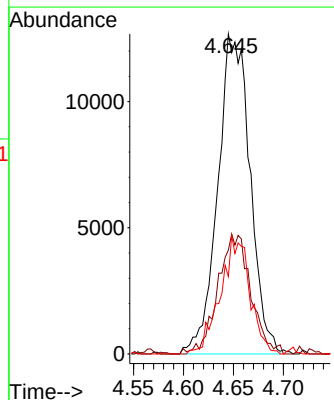
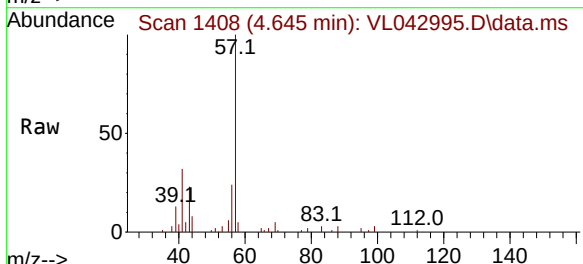
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

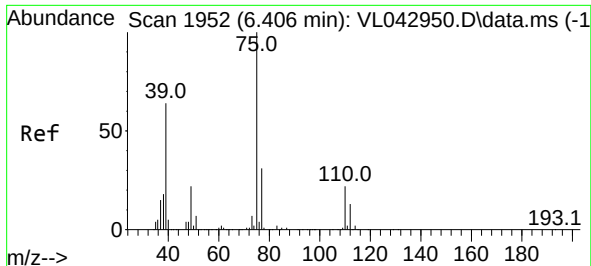
Tgt Ion:	69	Resp:	2986
Ion	Ratio	Lower	Upper
69	100		
41	291.4	124.5	186.7#
100	66.5	29.0	43.6#



#44
2,2,4-Trimethylpentane
Concen: 0.430 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.013 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion:	57	Resp:	28435
Ion	Ratio	Lower	Upper
57	100		
41	38.3	25.5	38.3#
56	33.6	25.8	38.8

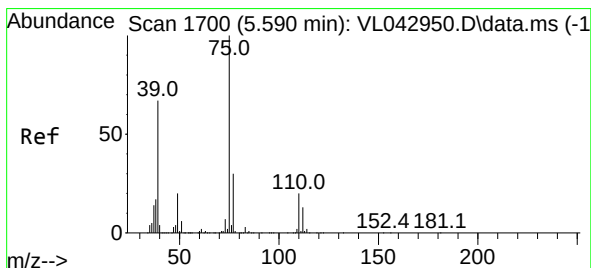
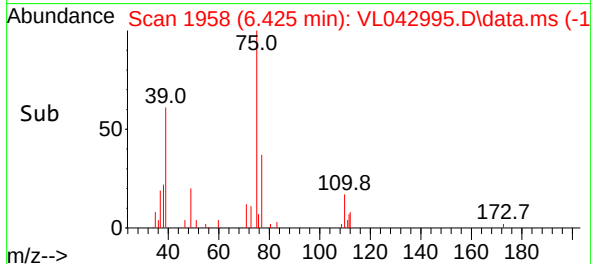
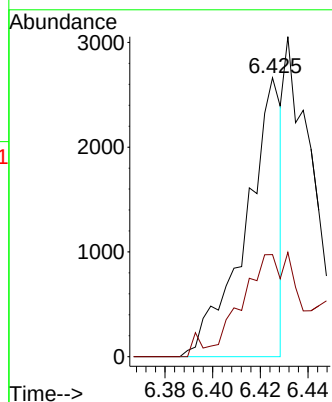
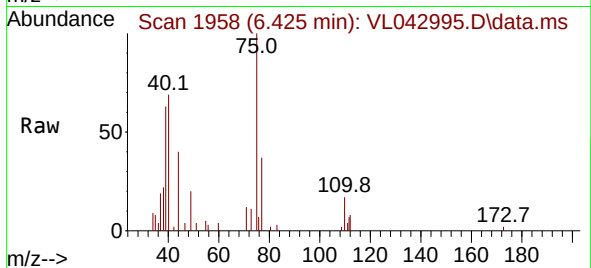




#45
 t-1,3-Dichloropropene
 Concen: 0.167 ppbv
 RT: 6.425 min Scan# 1958
 Delta R.T. 0.019 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

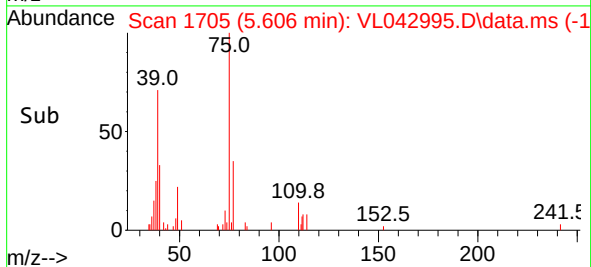
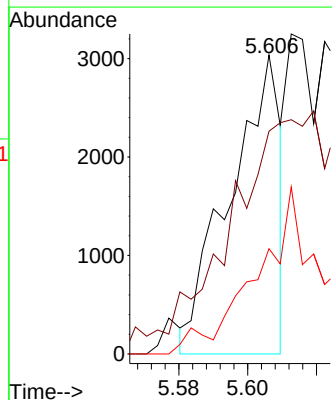
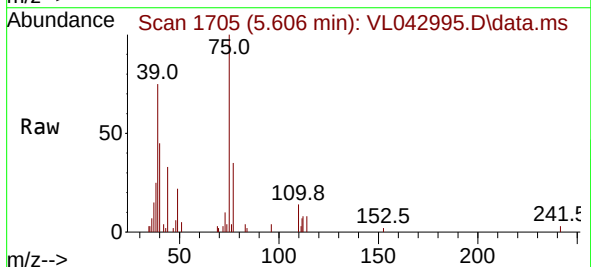
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

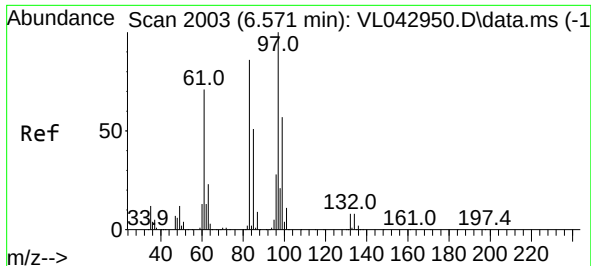
Tgt Ion: 75 Resp: 2789
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.0 37.4



#46
 cis-1,3-Dichloropropene
 Concen: 0.145 ppbv
 RT: 5.606 min Scan# 1705
 Delta R.T. 0.016 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

Tgt Ion: 75 Resp: 3088
 Ion Ratio Lower Upper
 75 100
 39 58.9 53.8 80.6
 77 35.1 23.6 35.4

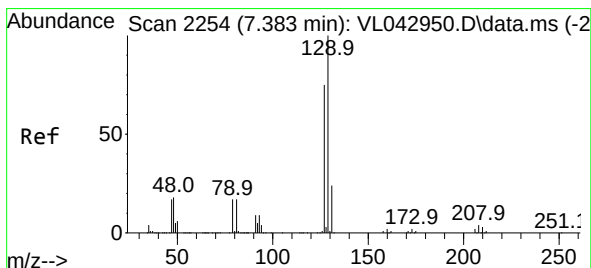
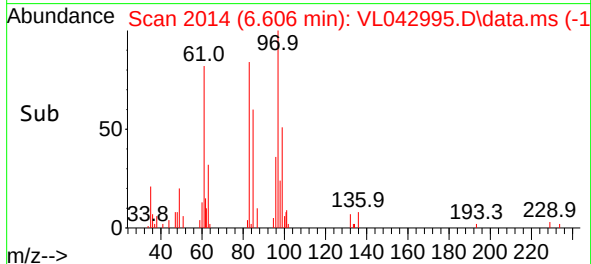
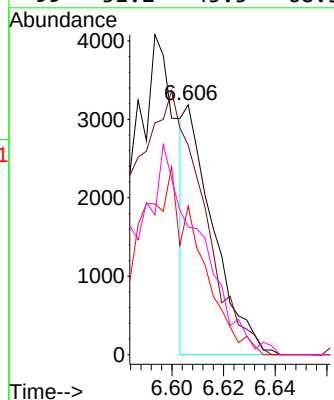
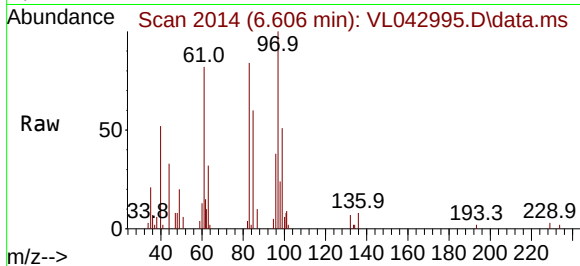




#47
1,1,2-Trichloroethane
Concen: 0.167 ppbv
RT: 6.606 min Scan# 2003
Delta R.T. 0.036 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

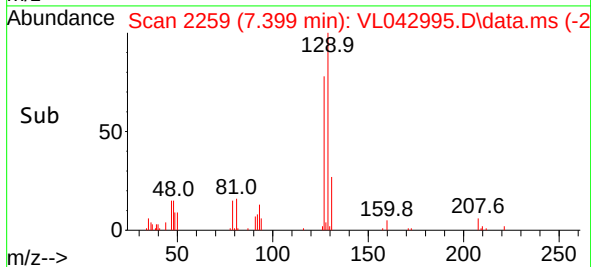
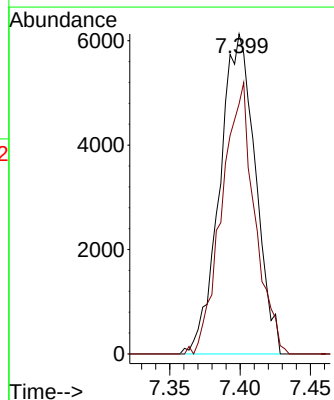
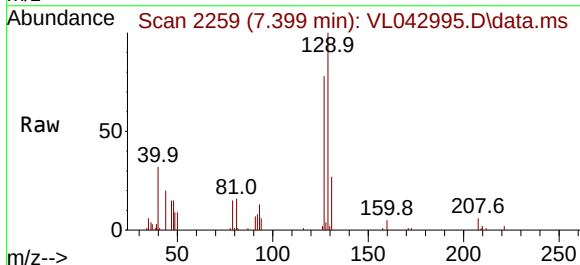
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT3-2025

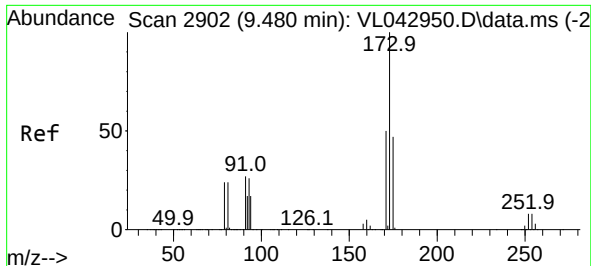
Tgt Ion:	97	Resp:	2461
Ion	Ratio	Lower	Upper
97	100		
83	83.8	68.7	103.1
85	59.5	40.6	60.8
99	51.2	45.5	68.3



#48
Dibromochloromethane
Concen: 0.457 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.016 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion:	129	Resp:	10806
Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.2

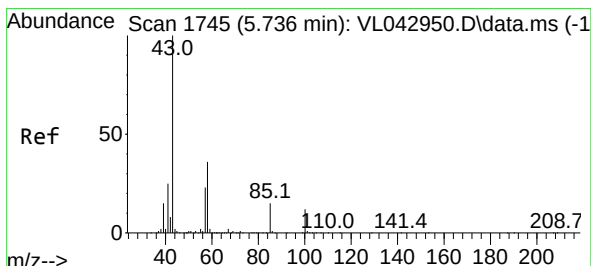
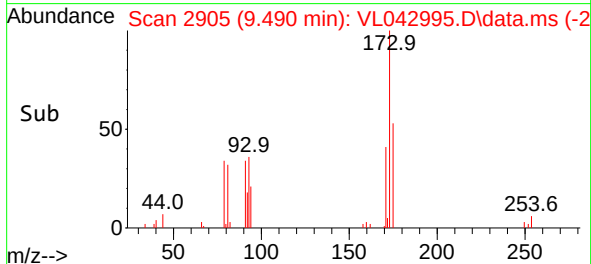
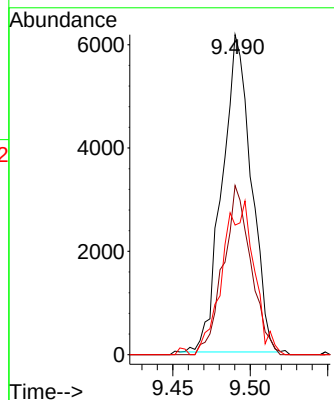
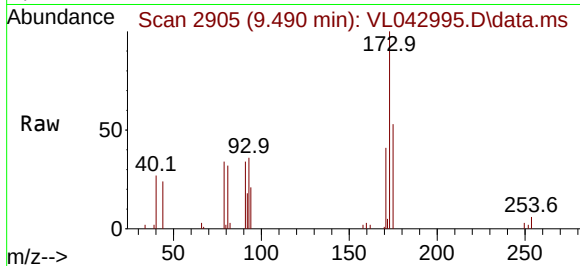




#49
Bromoform
Concen: 0.392 ppbv
RT: 9.490 min Scan# 2902
Delta R.T. 0.010 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

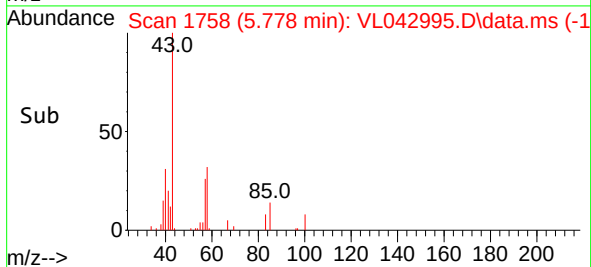
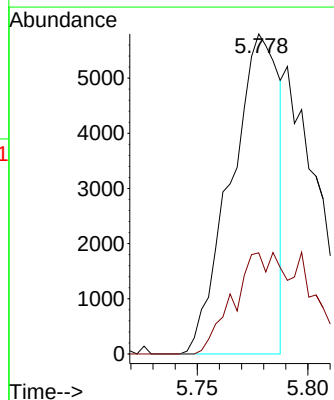
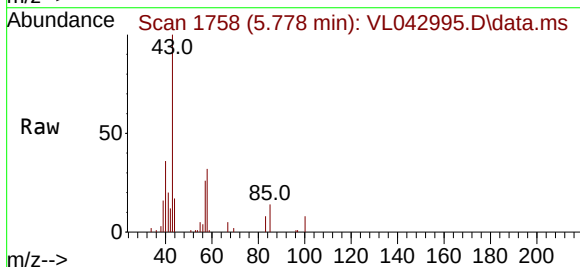
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

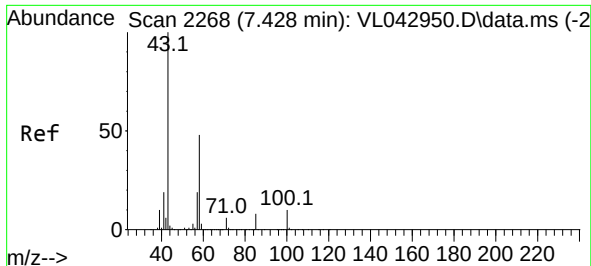
Tgt Ion:173 Resp: 8048
Ion Ratio Lower Upper
173 100
175 50.9 37.9 56.9
171 53.4 41.1 61.7



#50
4-Methyl-2-Pentanone
Concen: 0.228 ppbv
RT: 5.778 min Scan# 1758
Delta R.T. 0.042 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion: 43 Resp: 8744
Ion Ratio Lower Upper
43 100
58 0.0 28.4 42.6#

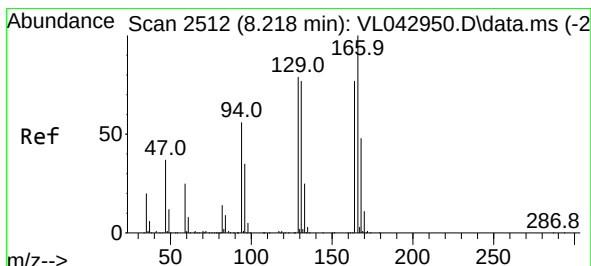
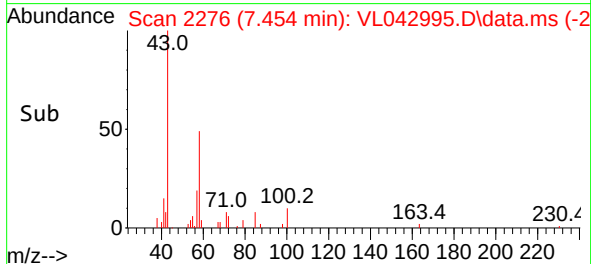
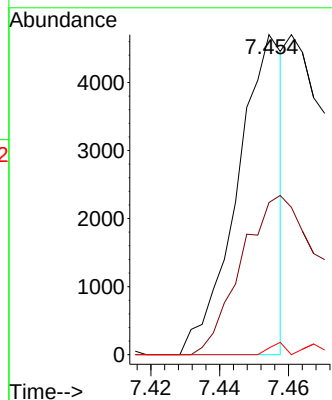
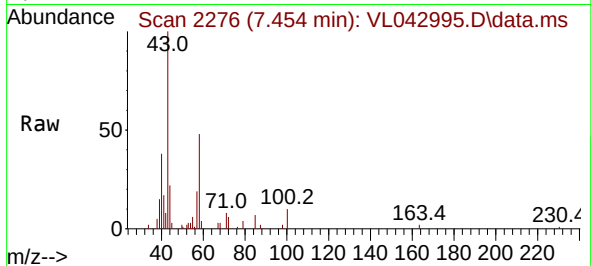




#51
2-Hexanone
Concen: 0.141 ppbv
RT: 7.454 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

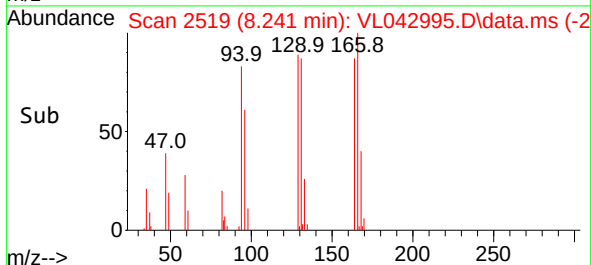
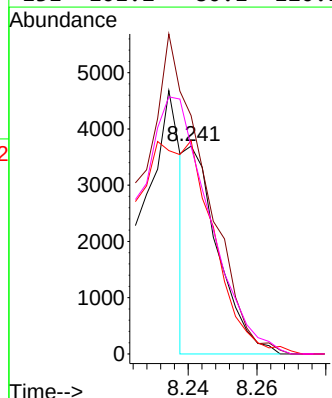
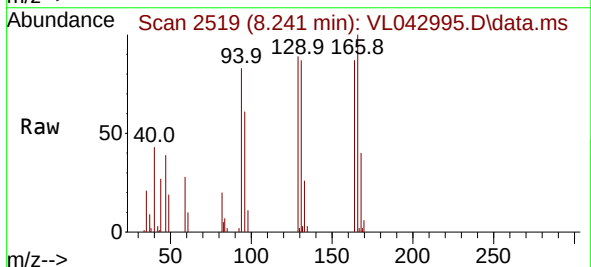
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

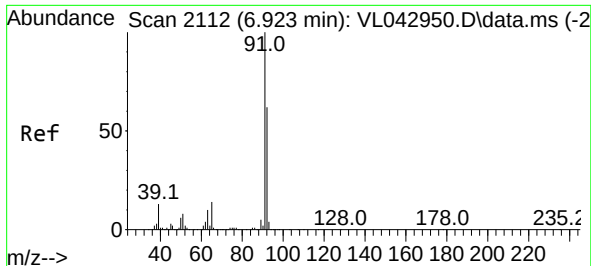
Tgt Ion: 43 Resp: 4317
Ion Ratio Lower Upper
43 100
58 103.5 39.7 59.5#
98 2.6 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.159 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. 0.023 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion: 164 Resp: 2352
Ion Ratio Lower Upper
164 100
166 112.9 103.5 155.3
129 99.1 82.2 123.4
131 101.2 80.1 120.1

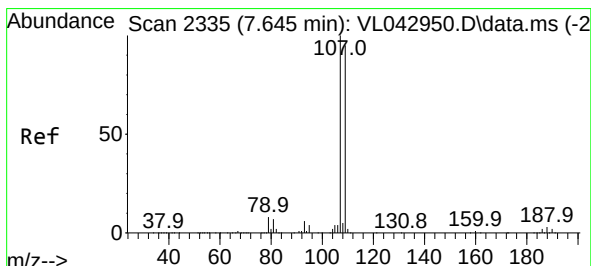
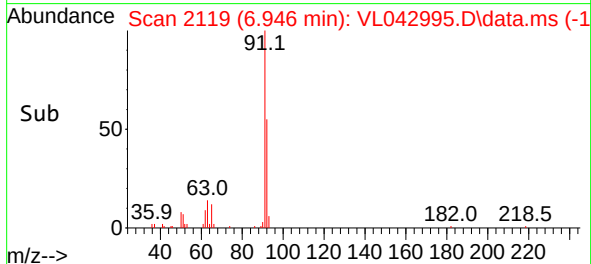
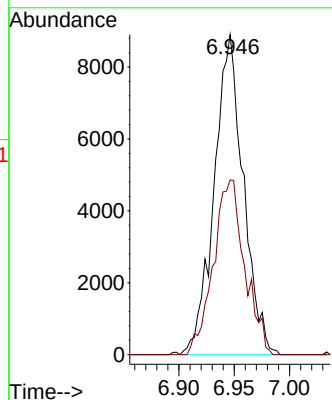
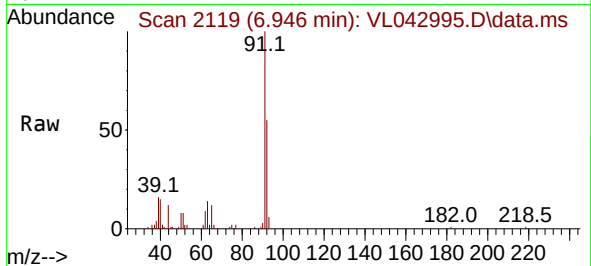




#53
Toluene
Concen: 0.361 ppbv
RT: 6.946 min Scan# 2112
Delta R.T. 0.023 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

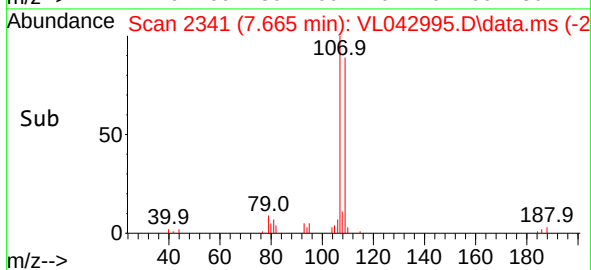
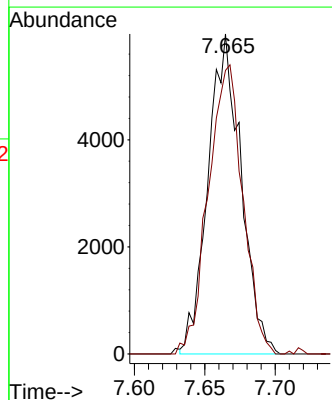
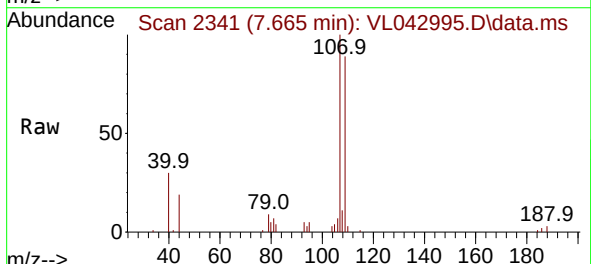
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

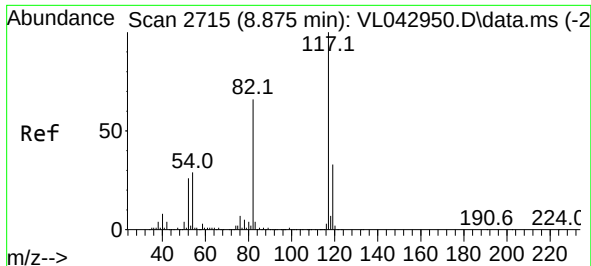
Tgt Ion: 91 Resp: 16348
Ion Ratio Lower Upper
91 100
92 58.7 48.2 72.2



#54
1,2-Dibromoethane
Concen: 0.470 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.019 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion: 107 Resp: 9769
Ion Ratio Lower Upper
107 100
109 88.6 75.8 113.8

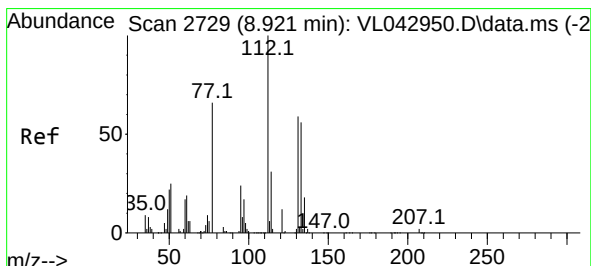
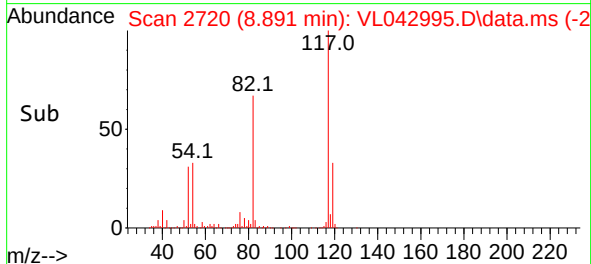
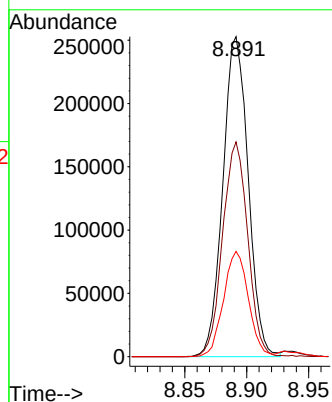
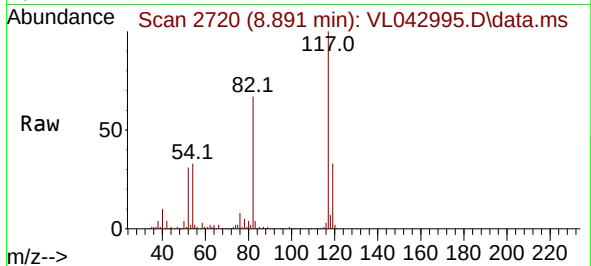




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

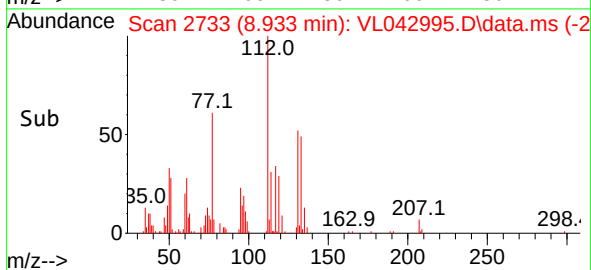
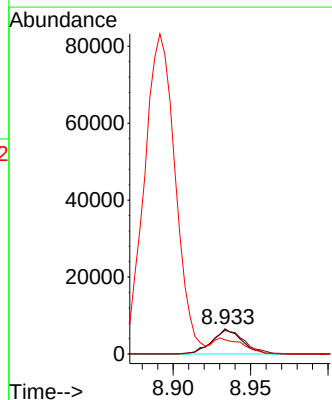
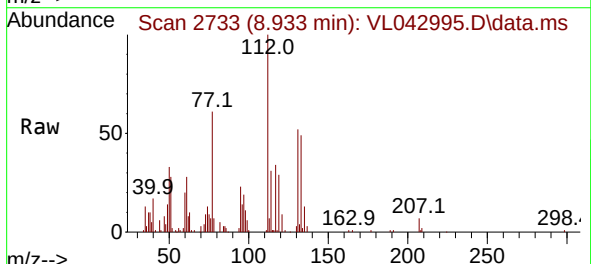
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

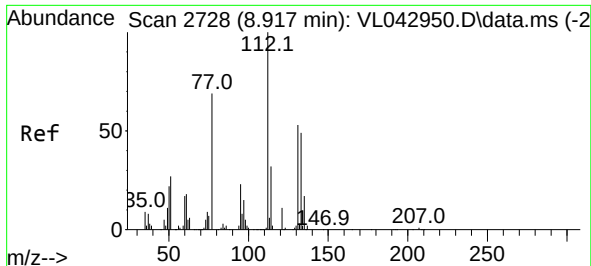
Tgt Ion:117 Resp: 360469
Ion Ratio Lower Upper
117 100
82 66.6 52.8 79.2
119 33.9 26.5 39.7



#56
1,1,1,2-Tetrachloroethane
Concen: 0.493 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.013 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion:131 Resp: 8499
Ion Ratio Lower Upper
131 100
133 108.2 76.6 114.8
119 1438.9 49.9 74.9#

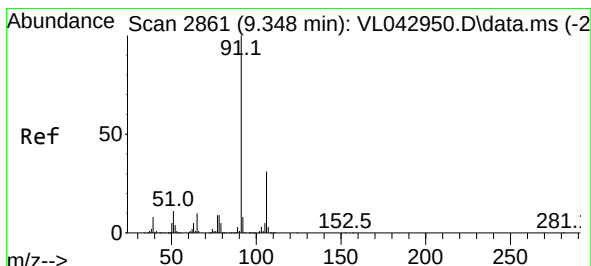
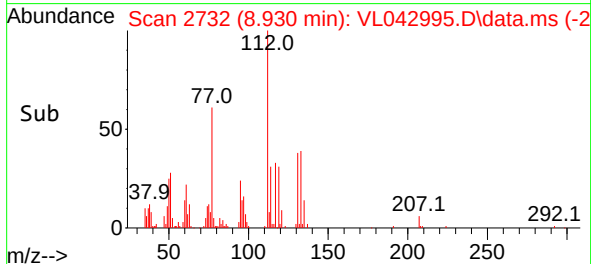
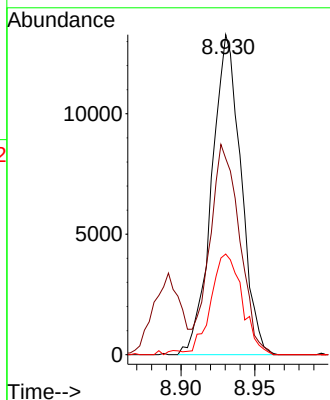
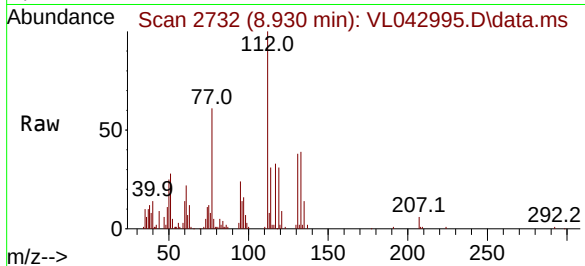




#57
Chlorobenzene
Concen: 0.556 ppbv
RT: 8.930 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

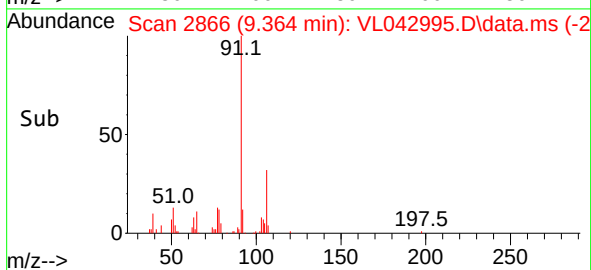
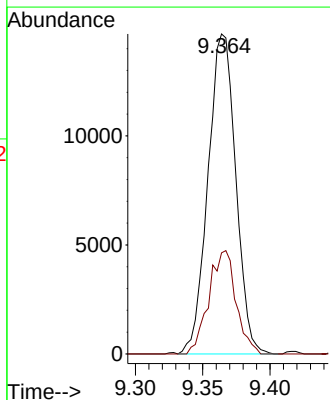
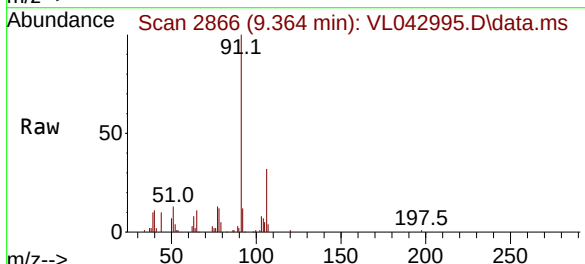
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

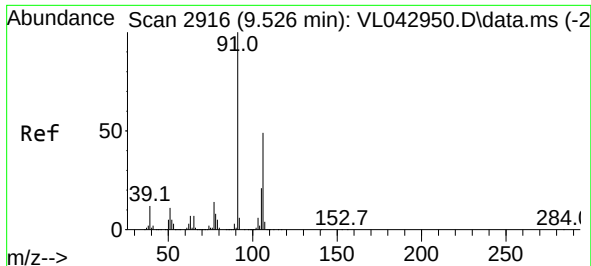
Tgt Ion:	112	Resp:	18287
Ion	Ratio	Lower	Upper
112	100		
77	61.3	55.7	83.5
114	33.6	28.6	35.0



#58
Ethyl Benzene
Concen: 0.356 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.016 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion:	91	Resp:	21061
Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.6	37.0





#59

m/p-Xylene

Concen: 0.395 ppbv

RT: 9.542 min Scan# 2916

Delta R.T. 0.016 min

Lab File: VL042995.D

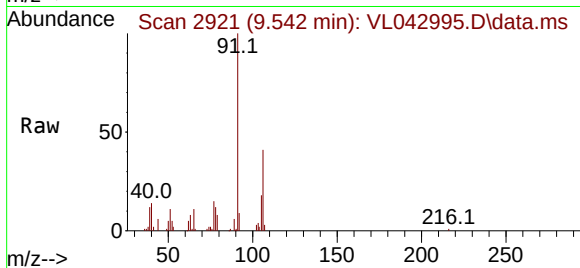
Acq: 23 Sep 2025 17:01

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

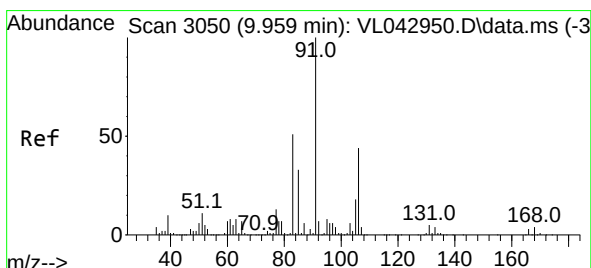
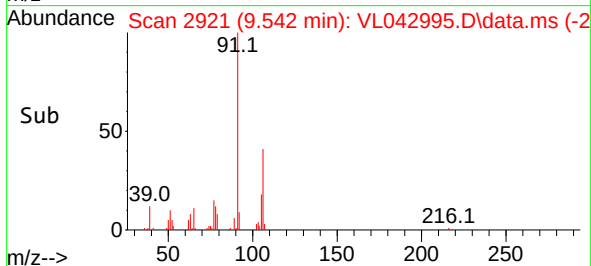
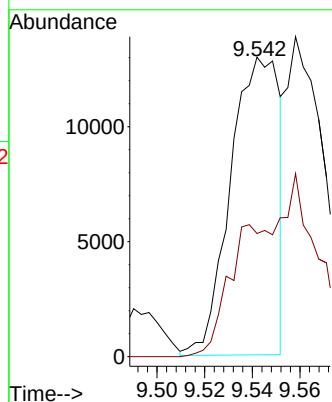


Tgt Ion: 91 Resp: 18437

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 0.364 ppbv

RT: 9.976 min Scan# 3055

Delta R.T. 0.016 min

Lab File: VL042995.D

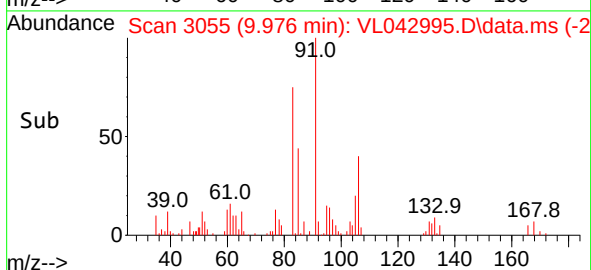
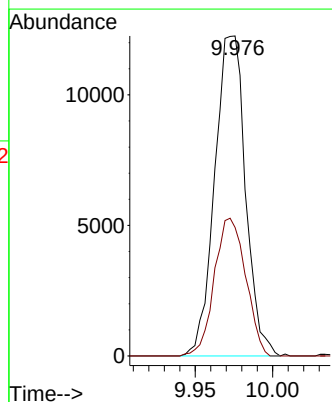
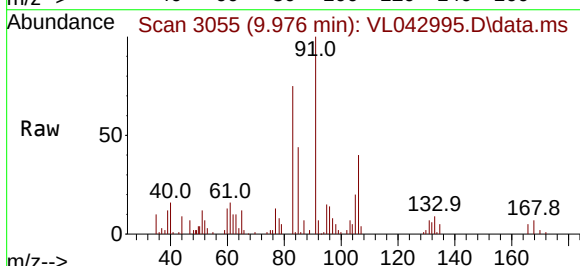
Acq: 23 Sep 2025 17:01

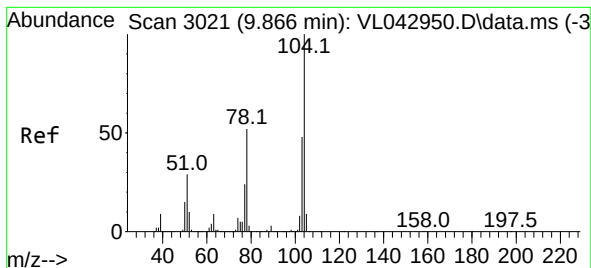
Tgt Ion: 91 Resp: 16986

Ion Ratio Lower Upper

91 100

106 43.7 22.4 67.0





#61

Styrene

Concen: 0.302 ppbv

RT: 9.882 min Scan# 3021

Delta R.T. 0.016 min

Lab File: VL042995.D

Acq: 23 Sep 2025 17:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

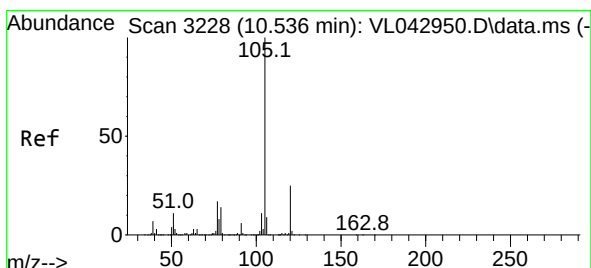
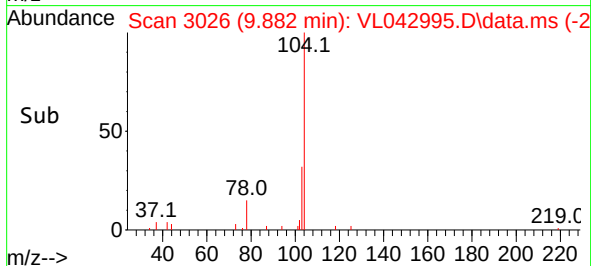
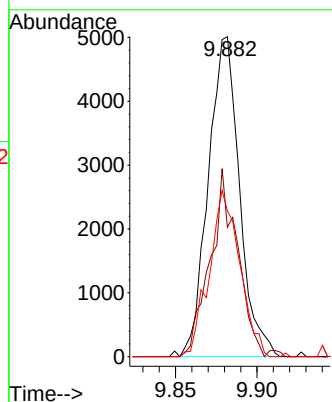
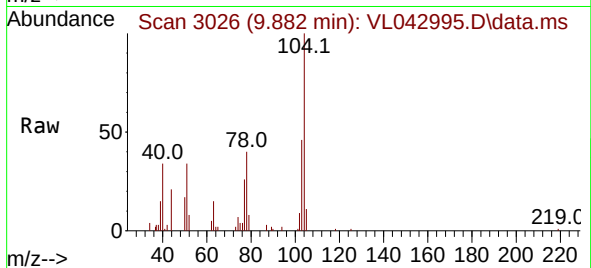
Tgt Ion:104 Resp: 6670

Ion Ratio Lower Upper

104 100

78 52.2 39.9 59.9

103 51.2 36.9 55.3



#62

Isopropylbenzene

Concen: 0.380 ppbv

RT: 10.549 min Scan# 3232

Delta R.T. 0.013 min

Lab File: VL042995.D

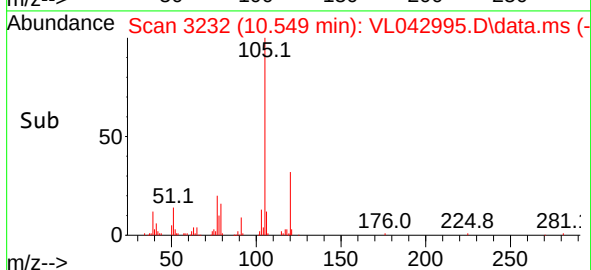
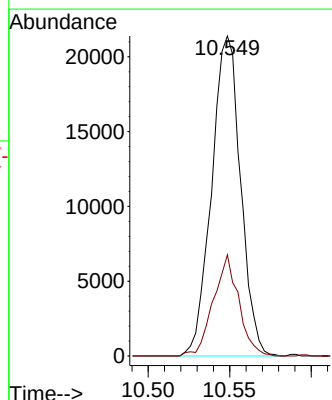
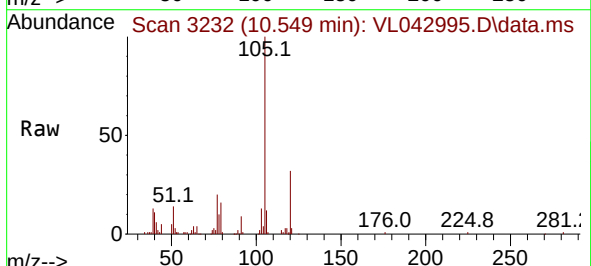
Acq: 23 Sep 2025 17:01

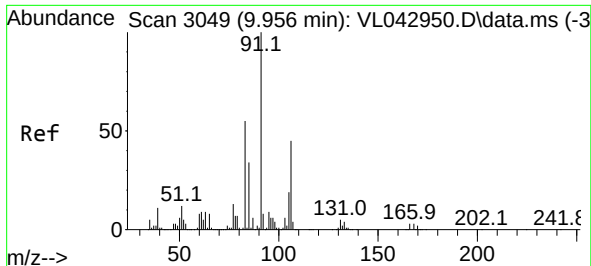
Tgt Ion:105 Resp: 26412

Ion Ratio Lower Upper

105 100

120 27.7 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.527 ppbv

RT: 9.972 min Scan# 3049

Delta R.T. 0.016 min

Lab File: VL042995.D

Acq: 23 Sep 2025 17:01

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

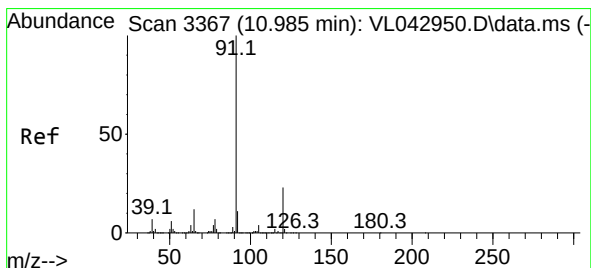
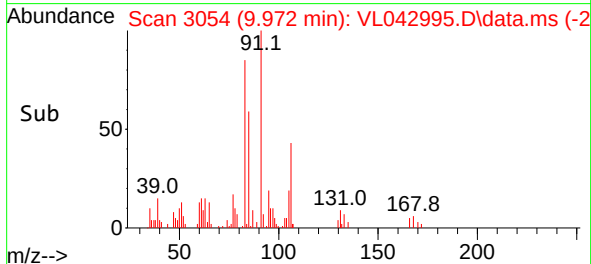
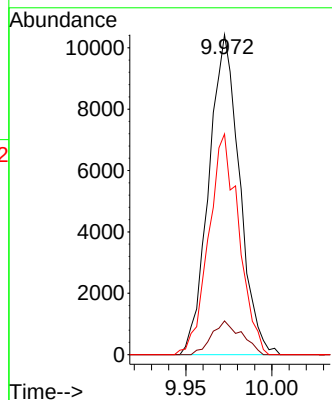
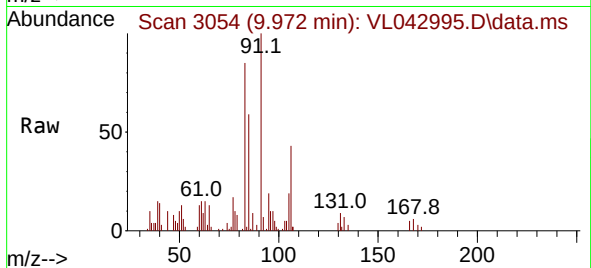
Tgt Ion: 83 Resp: 12931

Ion Ratio Lower Upper

83 100

131 10.2 4.8 14.4

85 67.7 32.2 96.6



#64

n-propylbenzene

Concen: 0.370 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. 0.010 min

Lab File: VL042995.D

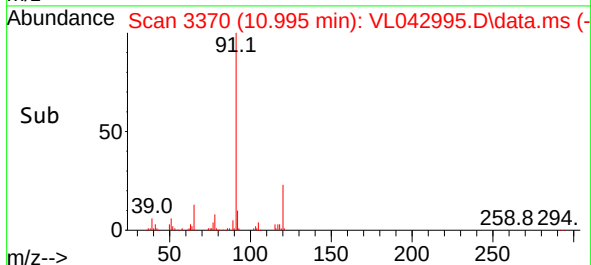
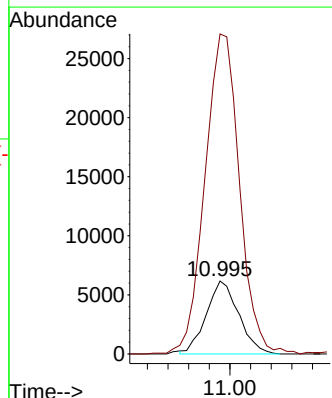
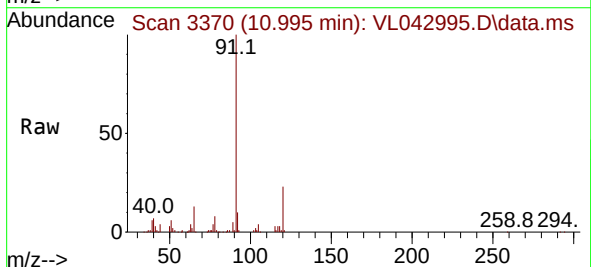
Acq: 23 Sep 2025 17:01

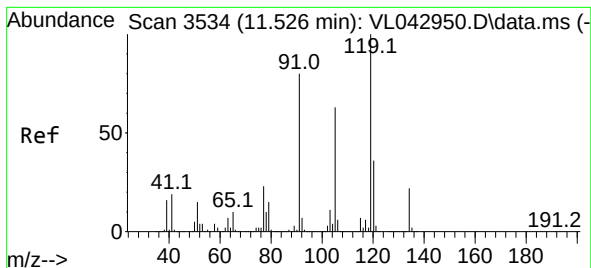
Tgt Ion: 120 Resp: 6722

Ion Ratio Lower Upper

120 100

91 468.1 364.9 547.3





#65

tert-Butylbenzene

Concen: 0.364 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.013 min

Lab File: VL042995.D

Acq: 23 Sep 2025 17:01

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

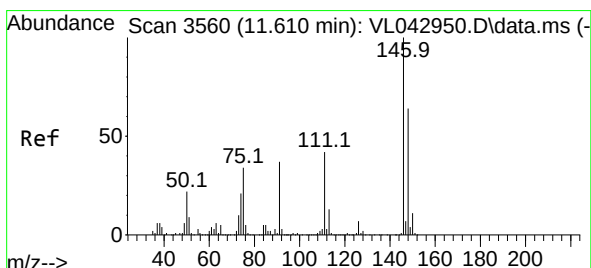
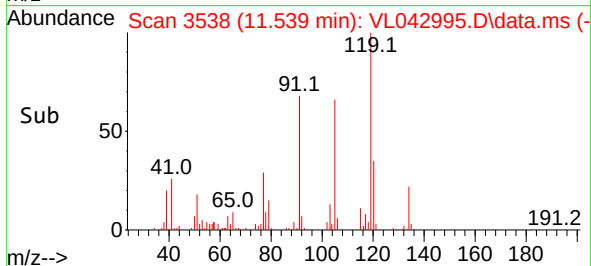
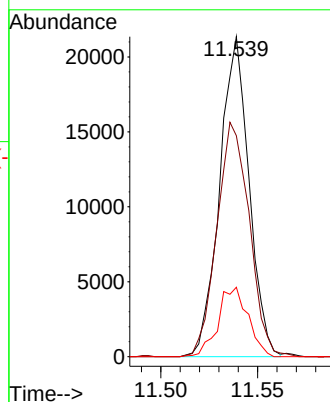
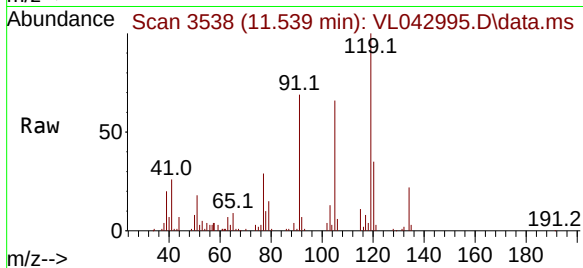
Tgt Ion:119 Resp: 22487

Ion Ratio Lower Upper

119 100

91 81.1 63.1 94.7

134 22.1 17.0 25.6



#66

Benzyl Chloride

Concen: 0.096 ppbv

RT: 11.626 min Scan# 3565

Delta R.T. 0.016 min

Lab File: VL042995.D

Acq: 23 Sep 2025 17:01

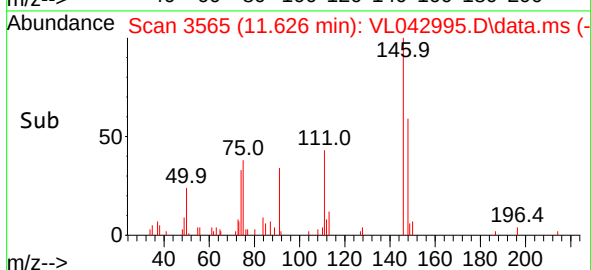
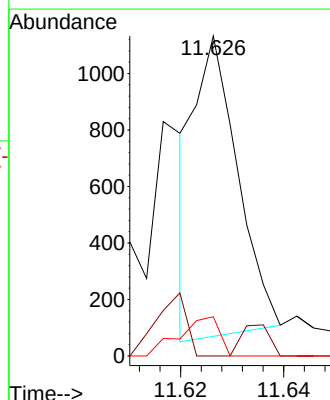
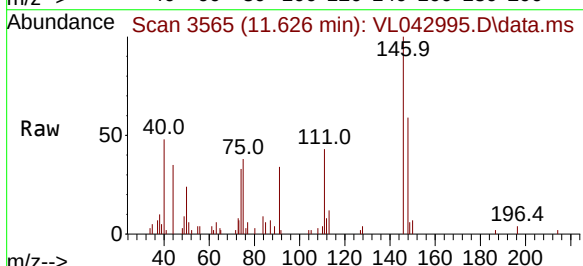
Tgt Ion: 91 Resp: 620

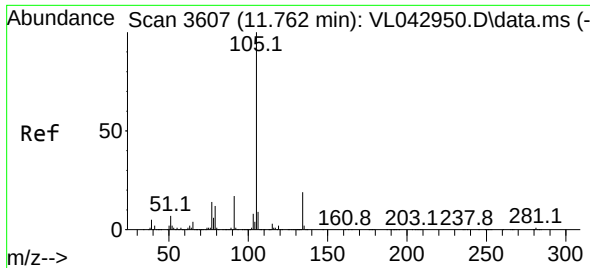
Ion Ratio Lower Upper

91 100

126 0.0 14.6 21.8#

128 12.1 5.0 7.4#

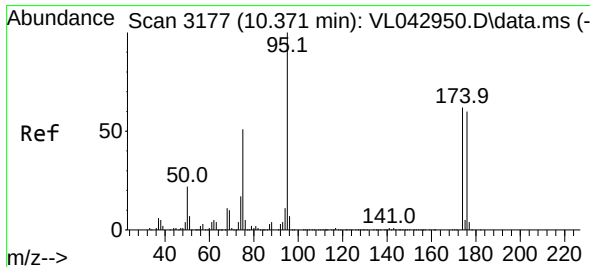
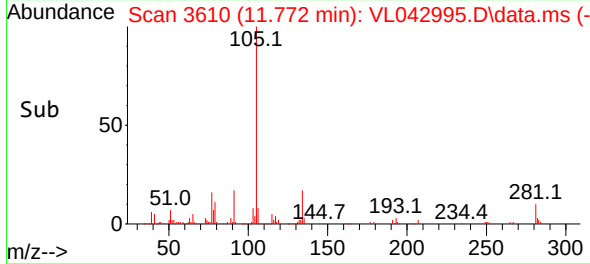
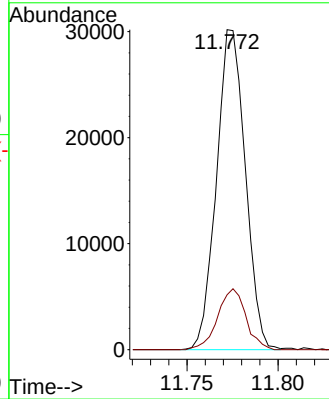
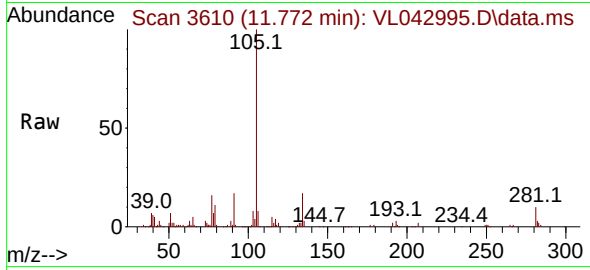




#67
 sec-Butylbenzene
 Concen: 0.386 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.010 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

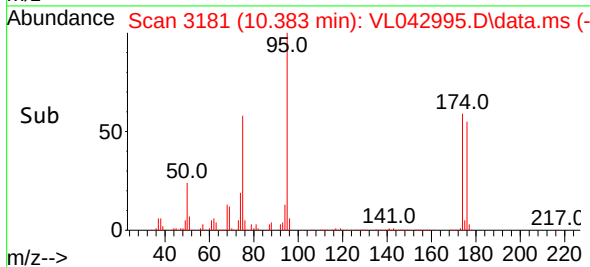
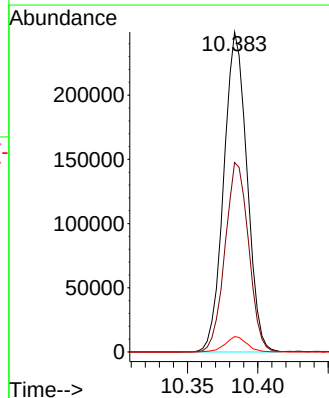
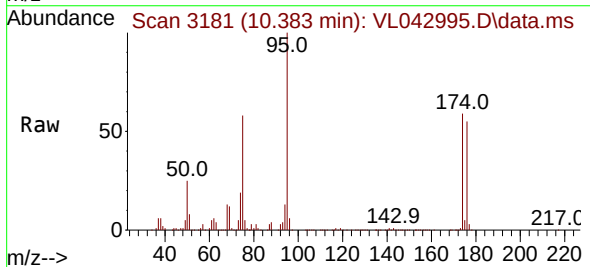
Instrument :
 MSVOA_1
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

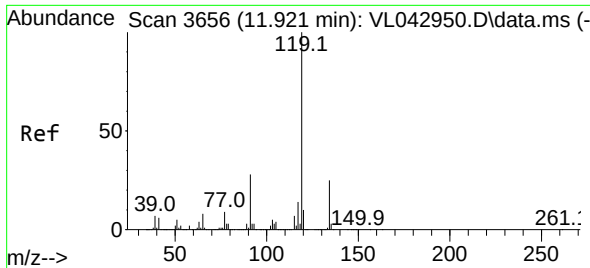
Tgt Ion:105 Resp: 33232
 Ion Ratio Lower Upper
 105 100
 134 18.6 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.645 ppbv
 RT: 10.383 min Scan# 3181
 Delta R.T. 0.013 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

Tgt Ion: 95 Resp: 286449
 Ion Ratio Lower Upper
 95 100
 174 60.3 51.4 77.2
 175 4.5 4.0 6.0

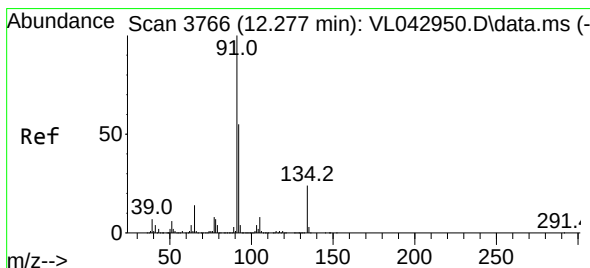
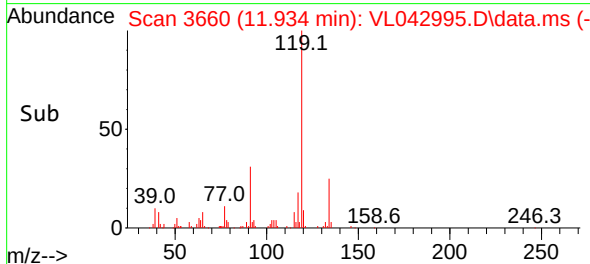
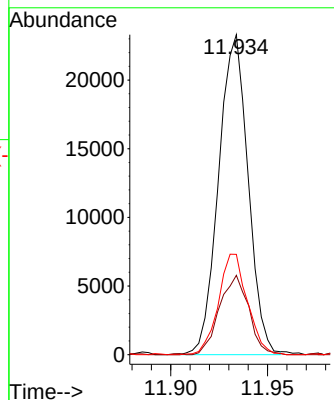
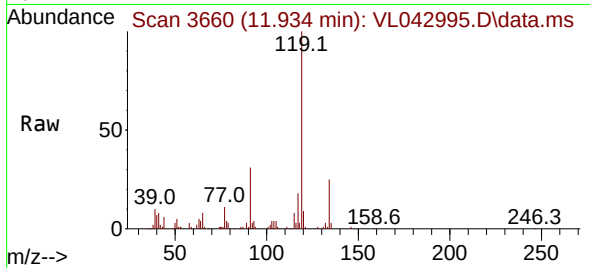




#69
 p-Isopropyltoluene
 Concen: 0.339 ppbv
 RT: 11.934 min Scan# 3660
 Delta R.T. 0.013 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

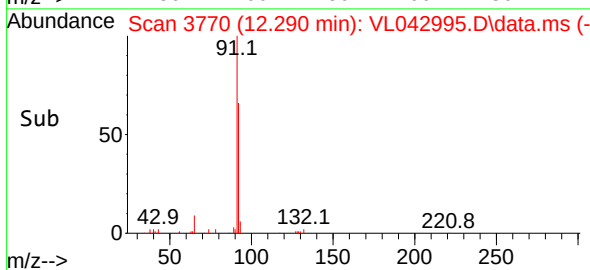
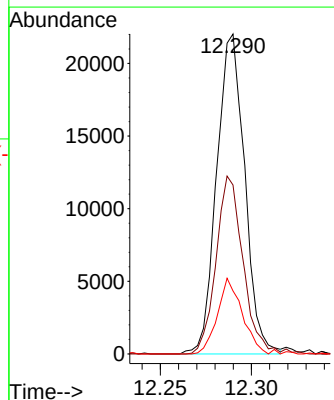
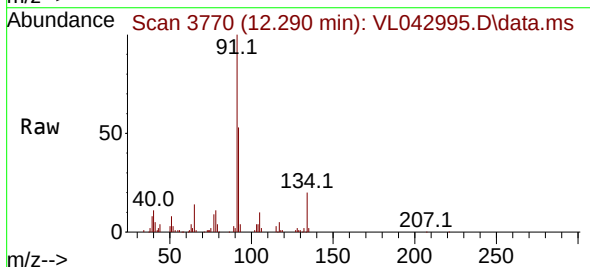
Instrument :
 MSVOA_1
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

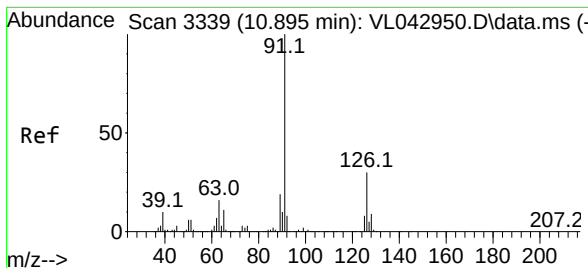
Tgt Ion:	119	Resp:	24688
Ion	Ratio	Lower	Upper
119	100		
134	24.7	21.0	31.4
91	30.9	22.3	33.5



#70
 n-Butylbenzene
 Concen: 0.331 ppbv
 RT: 12.290 min Scan# 3770
 Delta R.T. 0.013 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

Tgt Ion:	91	Resp:	23549
Ion	Ratio	Lower	Upper
91	100		
92	53.9	44.0	66.0
134	21.4	19.4	29.2

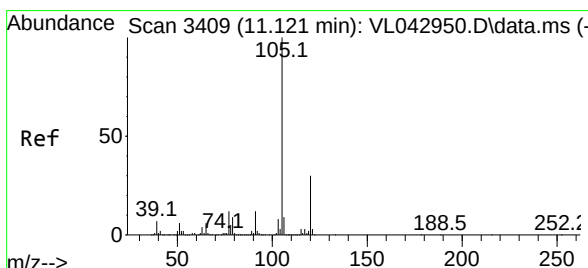
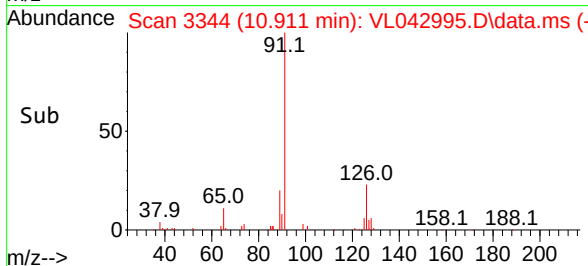
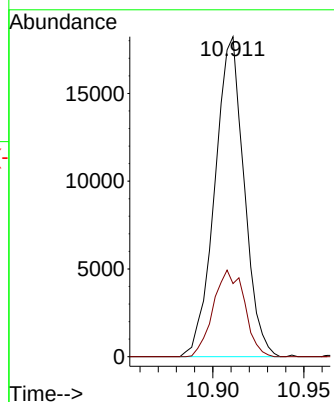
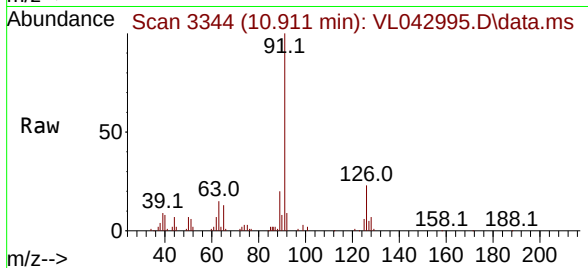




#71
2-Chlorotoluene
Concen: 0.388 ppbv
RT: 10.911 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

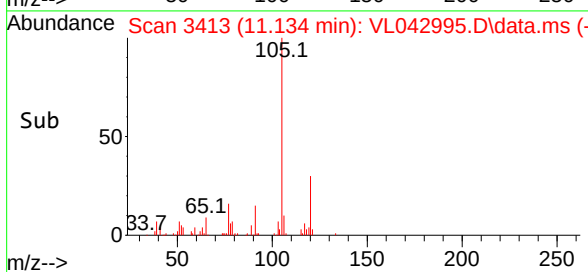
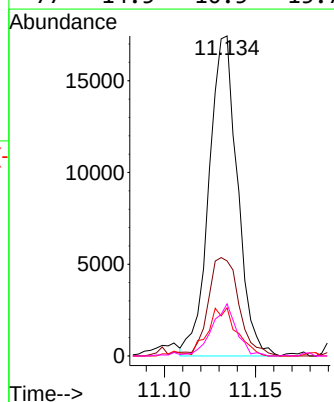
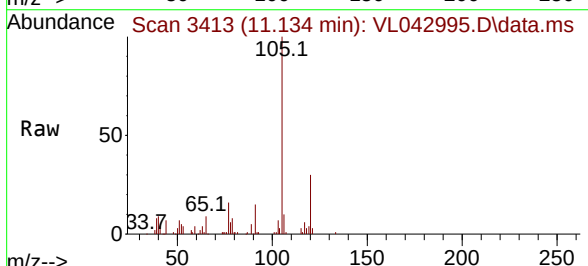
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

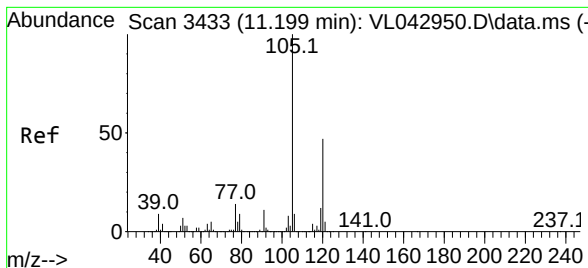
Tgt Ion: 91 Resp: 20375
Ion Ratio Lower Upper
91 100
126 28.8 12.3 49.3



#72
4-Ethyltoluene
Concen: 0.325 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.013 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion: 105 Resp: 18962
Ion Ratio Lower Upper
105 100
120 34.5 24.2 36.2
91 16.0 10.0 15.0#
77 14.5 10.5 15.7

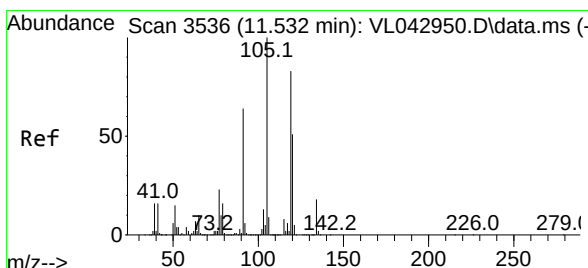
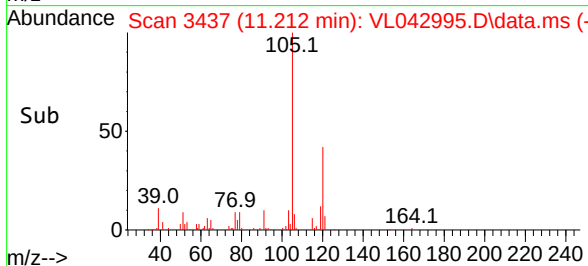
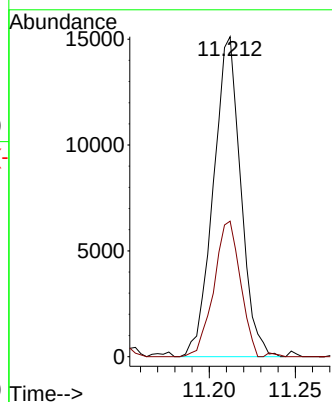
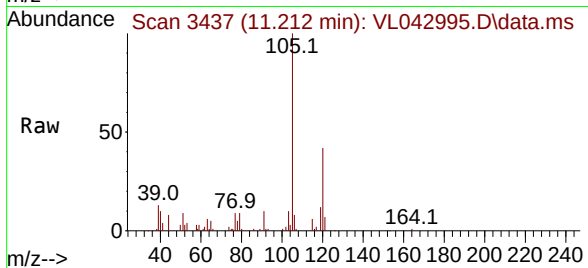




#73
 1,3,5-Trimethylbenzene
 Concen: 0.353 ppbv
 RT: 11.212 min Scan# 3437
 Delta R.T. 0.013 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

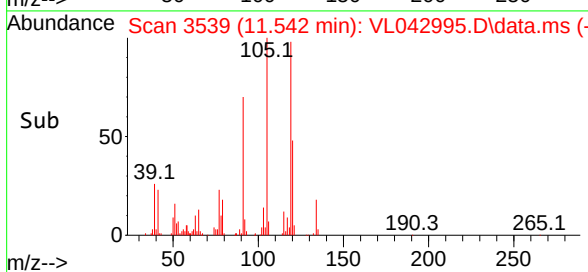
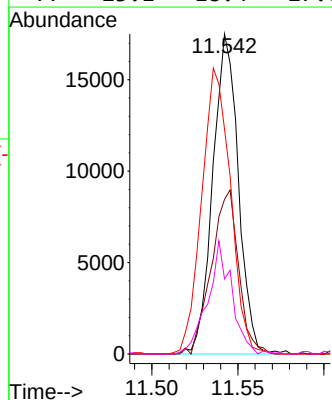
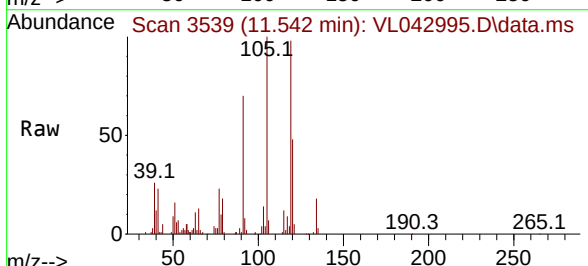
Instrument : MSVOA_1
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

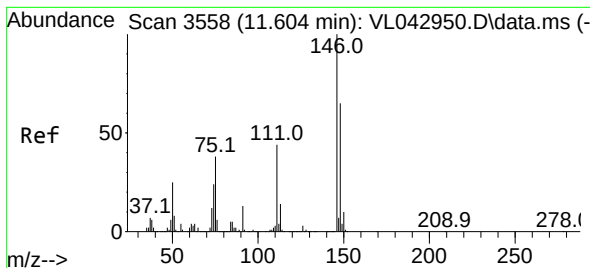
Tgt Ion:105 Resp: 16742
 Ion Ratio Lower Upper
 105 100
 120 42.4 38.0 57.0



#74
 1,2,4-Trimethylbenzene
 Concen: 0.345 ppbv
 RT: 11.542 min Scan# 3539
 Delta R.T. 0.010 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

Tgt Ion:105 Resp: 18062
 Ion Ratio Lower Upper
 105 100
 120 48.3 40.9 61.3
 91 70.3 51.2 76.8
 77 23.1 18.4 27.6





#75

1,3-Dichlorobenzene

Concen: 0.456 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. 0.010 min

Lab File: VL042995.D

Acq: 23 Sep 2025 17:01

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

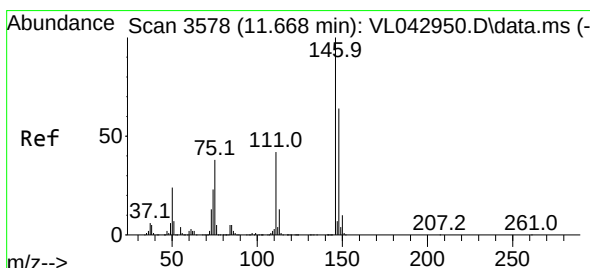
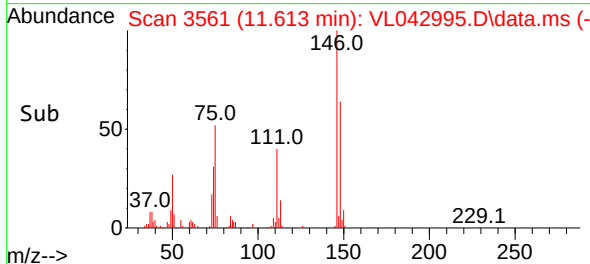
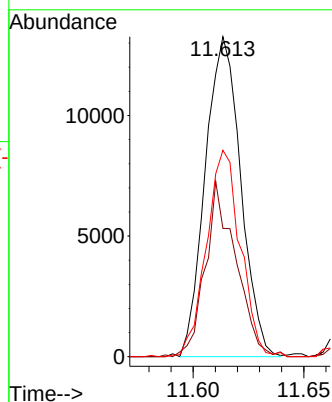
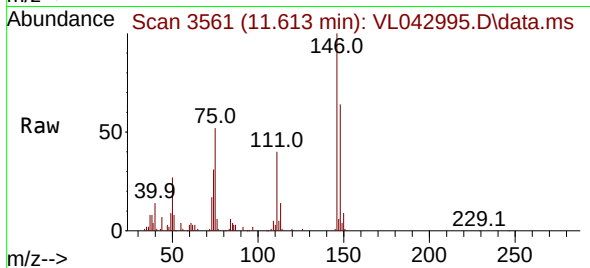
Tgt Ion:146 Resp: 14787

Ion Ratio Lower Upper

146 100

111 47.1 22.3 66.9

148 61.6 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 0.427 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.010 min

Lab File: VL042995.D

Acq: 23 Sep 2025 17:01

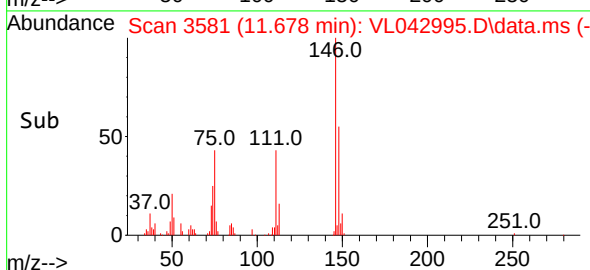
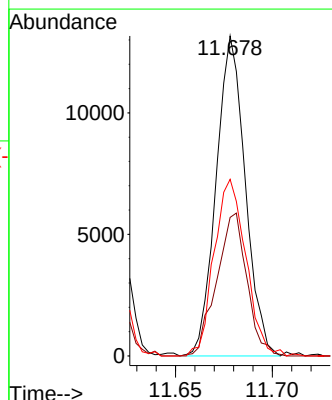
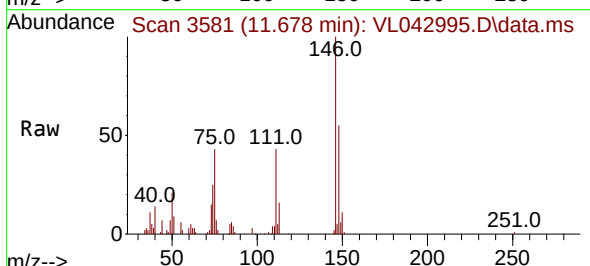
Tgt Ion:146 Resp: 13774

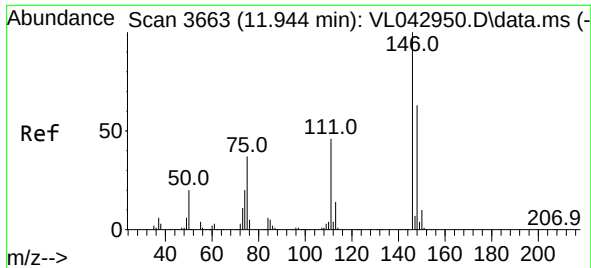
Ion Ratio Lower Upper

146 100

111 46.3 21.5 64.5

148 60.3 31.9 95.5

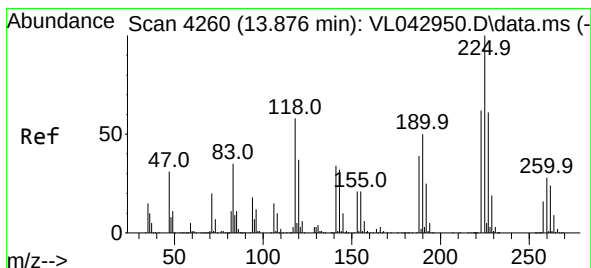
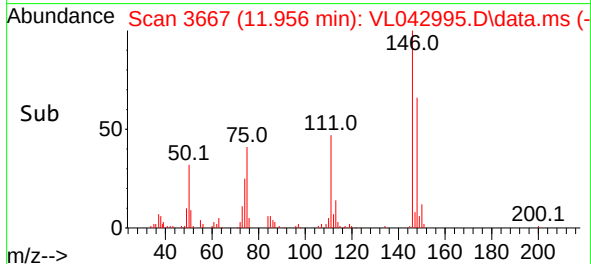
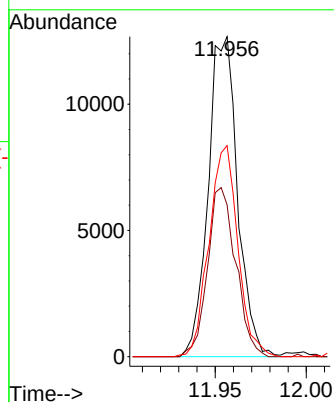
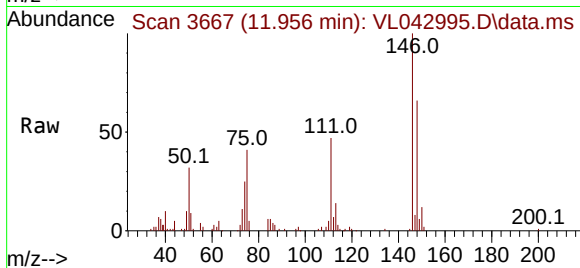




#77
1,2-Dichlorobenzene
Concen: 0.459 ppbv
RT: 11.956 min Scan# 3667
Delta R.T. 0.013 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

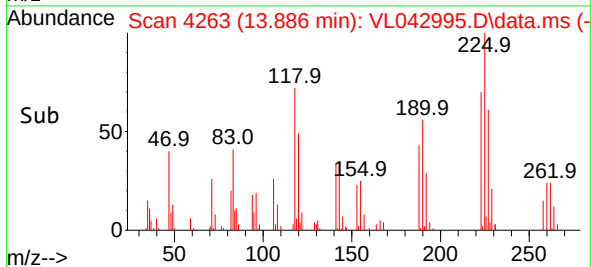
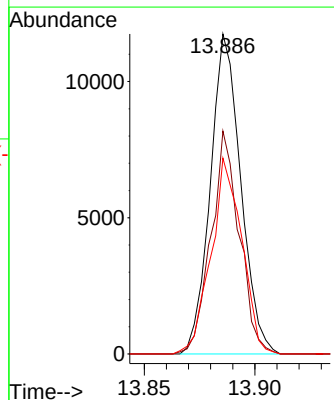
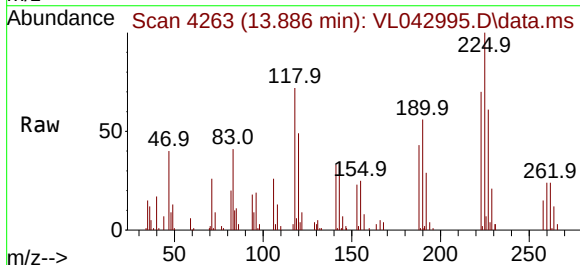
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

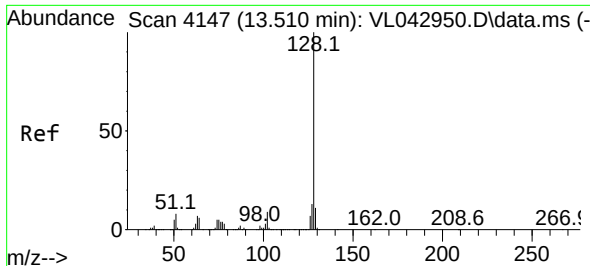
Tgt Ion:	146	Resp:	14176
Ion Ratio	Lower	Upper	
146	100		
111	50.9	23.1	69.3
148	64.9	32.0	96.0



#78
Hexachloro-1,3-Butadiene
Concen: 0.465 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.010 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion:	225	Resp:	11234
Ion Ratio	Lower	Upper	
225	100		
223	64.9	50.1	75.1
227	61.9	50.4	75.6

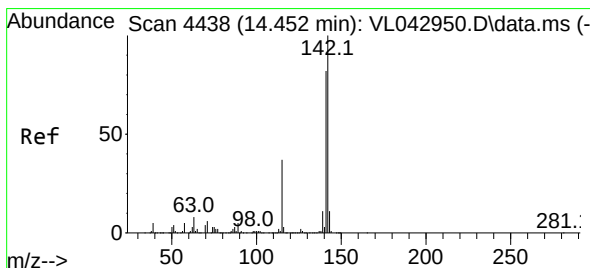
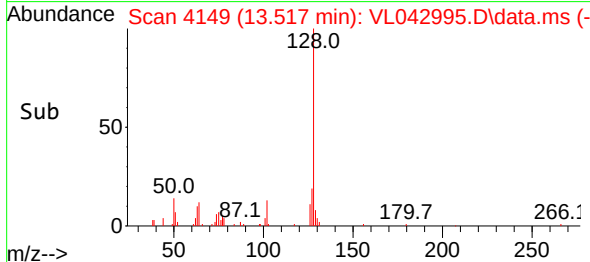
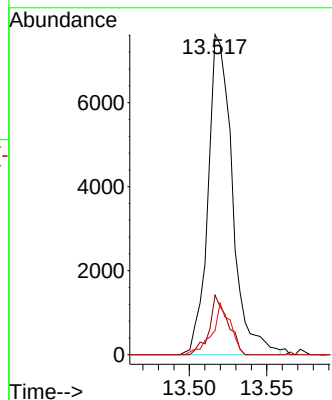
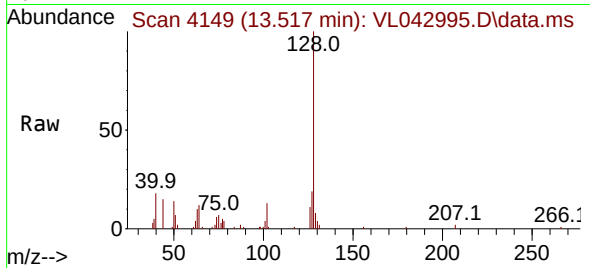




#79
Naphthalene
Concen: 0.180 ppbv
RT: 13.517 min Scan# 4147
Delta R.T. 0.006 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

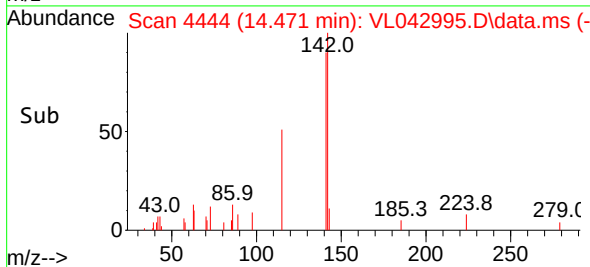
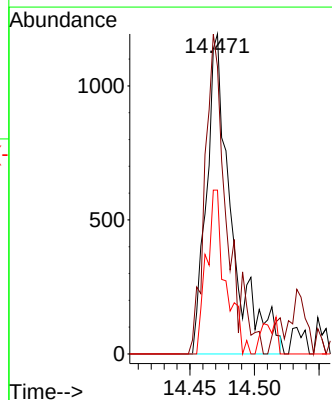
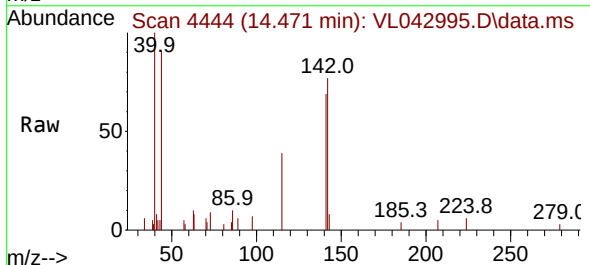
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

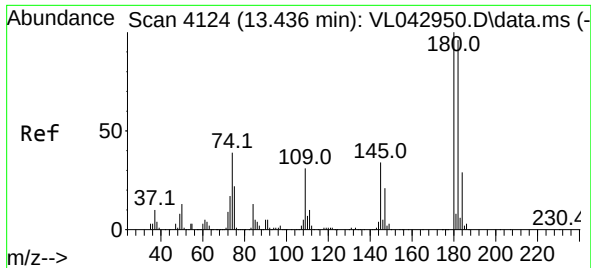
Tgt Ion:128 Resp: 8313
Ion Ratio Lower Upper
128 100
127 18.6 10.6 15.8#
129 7.5 9.0 13.6#



#80
Naphthalene,2-methyl-
Concen: 0.114 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.019 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

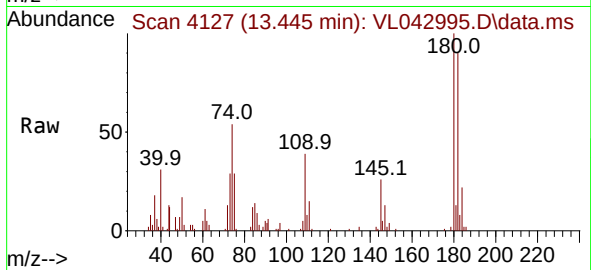
Tgt Ion:142 Resp: 1623
Ion Ratio Lower Upper
142 100
141 86.2 65.1 97.7
115 38.6 28.9 43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.213 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025



Tgt Ion:	180	Resp:	5276
Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.7	113.5
184	27.0	23.9	35.9

