

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092425\
 Data File : VL043014.D
 Acq On : 24 Sep 2025 17:59
 Operator : SY/MD
 Sample : Q2893-15 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

Quant Time: Sep 25 03:24:46 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 : Thu Sep 25 03:22:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	148083	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	440291	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	387422	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	274470	9.491	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.557	85	2197	0.110	ppbv	92
3) Chlorodifluoromethane	1.774	51	311	0.013	ppbv	99
4) Chloromethane	1.535	50	1321	0.147	ppbv	89
5) Vinyl Chloride	1.580	62	1022	0.125	ppbv #	88
6) Bromomethane	1.667	94	458	0.159	ppbv #	69
7) Chloroethane	1.706	64	407	0.129	ppbv #	74
8) Dichlorotetrafluoroethane	1.557	85	2197	0.129	ppbv	95
9) Propene	1.603	41	721	0.067	ppbv	93
10) Heptane	4.978	43	492	0.017	ppbv #	29
11) Trichlorofluoromethane	1.881	101	2703	0.141	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.143	101	2143	0.138	ppbv	94
13) Ethanol	1.891	45	1505	1.437	ppbv #	35
14) Bromoethene	1.784	108	707	0.120	ppbv #	68
15) Acetone	1.839	43	4223	0.219	ppbv	95
16) 1,3-Butadiene	1.612	39	1041	0.114	ppbv	89
17) tert-Butyl alcohol	2.046	59	2115	0.100	ppbv #	74
18) 1,1-Dichloroethene	2.033	96	1109	0.154	ppbv #	49
19) Isopropyl Alcohol	1.891	45	1505	0.130	ppbv #	48
20) Methylene Chloride	2.062	84	3150	0.390	ppbv	90
21) Allyl Chloride	2.098	41	1866	0.139	ppbv #	55
22) trans-1,2-Dichloroethene	2.347	96	1032	0.126	ppbv #	61
23) Vinyl Acetate	2.463	43	3307	0.120	ppbv #	91
24) 1,1-Dichloroethane	2.408	63	1920	0.120	ppbv #	95
25) Ethyl Acetate	2.832	43	1932	0.040	ppbv #	75
26) Hexane	2.832	57	1827	0.082	ppbv #	58
27) Carbon Disulfide	2.153	76	1948	0.098	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	1183	0.102	ppbv #	88
29) Chloroform	2.849	83	3599	0.124	ppbv	90
30) Cyclohexane	3.855	84	693	0.037	ppbv #	1
31) cis-1,2-Dichloroethene	2.722	61	2146	0.103	ppbv	98
32) 1,1,1-Trichloroethane	3.370	97	2385	0.076	ppbv #	39
34) 2-Butanone	2.567	43	3646	0.118	ppbv	95
35) Carbon Tetrachloride	3.768	117	2648	0.092	ppbv #	74
36) Benzene	3.658	78	2580	0.062	ppbv	95
37) 1,2-Dichloroethane	3.221	62	2709	0.125	ppbv #	94
38) Trichloroethene	4.551	130	1305	0.064	ppbv #	69
39) 1,2-Dichloropropane	3.962	63	104715	6.938	ppbv #	24
40) 1,4-Dioxane	4.616	88	282	0.040	ppbv #	37
41) Tetrahydrofuran	3.049	42	13	0.001	ppbv #	38
42) Bromodichloromethane	4.486	83	1711	0.056	ppbv #	86
43) Methyl Methacrylate	4.878	69	194	0.011	ppbv #	1
44) 2,2,4-Trimethylpentane	4.645	57	1749	0.024	ppbv #	43
45) t-1,3-Dichloropropene	6.435	75	149	0.008	ppbv	99

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

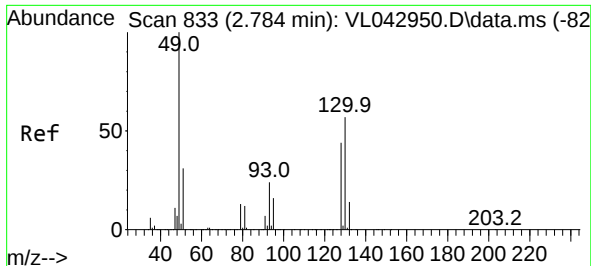
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Sep 25 03:22:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	794	0.035	ppbv	94
47) 1,1,2-Trichloroethane	6.593	97	869	0.054	ppbv #	53
48) Dibromochloromethane	7.396	129	2551	0.100	ppbv	88
49) Bromoform	9.490	173	2111	0.095	ppbv	95
50) 4-Methyl-2-Pentanone	5.755	43	71	0.002	ppbv #	39
51) 2-Hexanone	7.454	43	942	0.029	ppbv #	28
52) Tetrachloroethene	8.228	164	1542	0.096	ppbv #	83
53) Toluene	6.943	91	2218	0.045	ppbv #	61
54) 1,2-Dibromoethane	7.662	107	2282	0.102	ppbv #	63
56) 1,1,1,2-Tetrachloroethane	8.930	131	2489	0.134	ppbv #	1
57) Chlorobenzene	8.924	112	3912	0.111	ppbv #	84
58) Ethyl Benzene	9.364	91	1848	0.029	ppbv	99
59) m/p-Xylene	9.539	91	3288	0.066	ppbv #	100
60) o-Xylene	9.969	91	3483	0.069	ppbv	97
61) Styrene	9.879	104	1357	0.057	ppbv	90
62) Isopropylbenzene	10.539	105	5958	0.080	ppbv	95
63) 1,1,2,2-Tetrachloroethane	9.969	83	2721	0.103	ppbv	87
64) n-propylbenzene	10.992	120	1099	0.056	ppbv	80
65) tert-Butylbenzene	11.533	119	3976	0.060	ppbv	89
66) Benzyl Chloride	11.617	91	174	0.025	ppbv #	65
67) sec-Butylbenzene	11.769	105	5889	0.064	ppbv	99
69) p-Isopropyltoluene	11.927	119	4065	0.052	ppbv #	88
70) n-Butylbenzene	12.287	91	3692	0.048	ppbv	92
71) 2-Chlorotoluene	10.905	91	3554	0.063	ppbv	93
72) 4-Ethyltoluene	11.131	105	3774	0.060	ppbv #	97
73) 1,3,5-Trimethylbenzene	11.206	105	2997	0.059	ppbv #	80
74) 1,2,4-Trimethylbenzene	11.539	105	2708	0.048	ppbv #	83
75) 1,3-Dichlorobenzene	11.610	146	2870	0.082	ppbv	97
76) 1,4-Dichlorobenzene	11.681	146	2665	0.077	ppbv	97
77) 1,2-Dichlorobenzene	11.950	146	2997	0.090	ppbv	89
78) Hexachloro-1,3-Butadiene	13.882	225	3895	0.150	ppbv	98
79) Naphthalene	13.520	128	1264	0.025	ppbv #	86
80) Naphthalene,2-methyl-	14.471	142	682	0.044	ppbv #	73
81) 1,2,4-Trichlorobenzene	13.452	180	256	0.010	ppbv #	13

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

Instrument :
MSVOA_L
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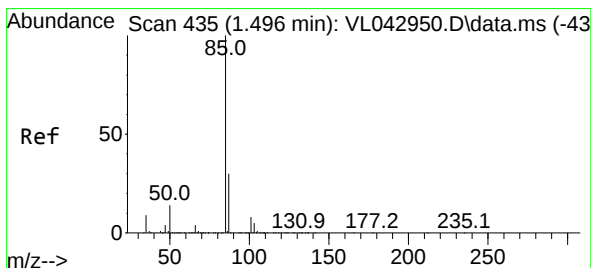
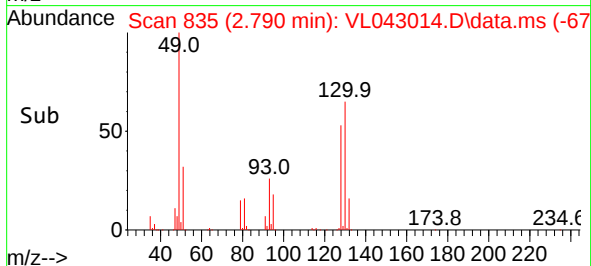
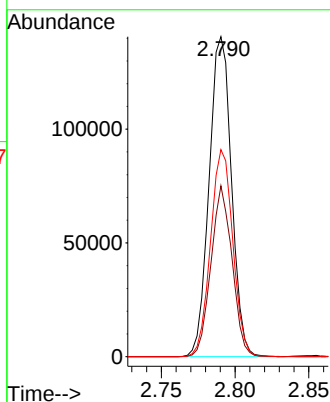
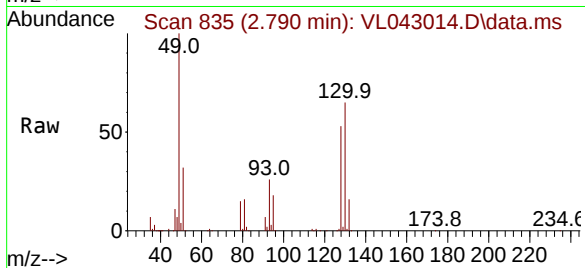
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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

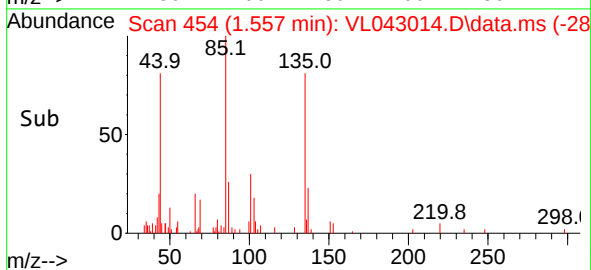
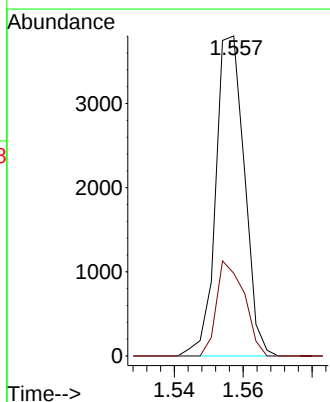
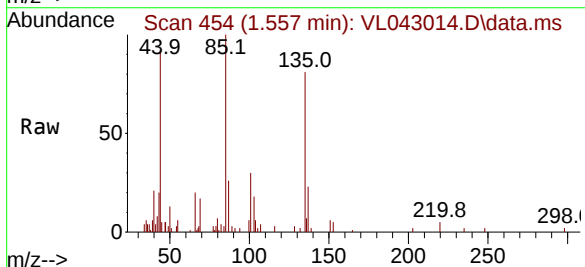
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ClientSampleId :
MDL-AIR-03-QT3-2025

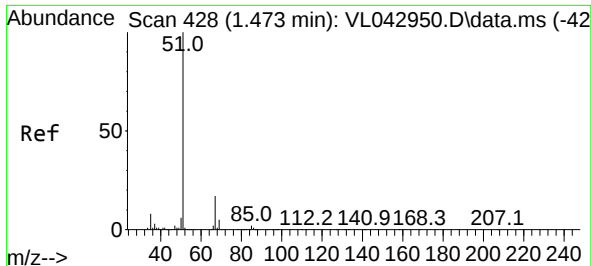
Tgt Ion: 49 Resp: 148083
Ion Ratio Lower Upper
49 100
128 50.2 22.9 68.8
130 64.6 29.1 87.3



#2
Dichlorodifluoromethane
Concen: 0.110 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.062 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 85 Resp: 2197
Ion Ratio Lower Upper
85 100
87 25.9 24.3 36.5

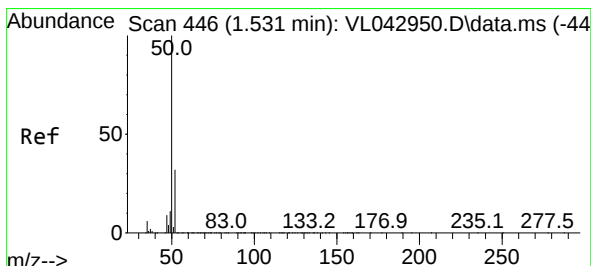
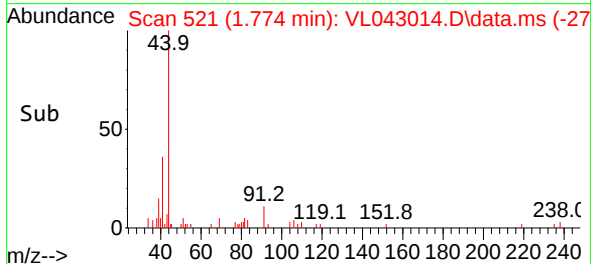
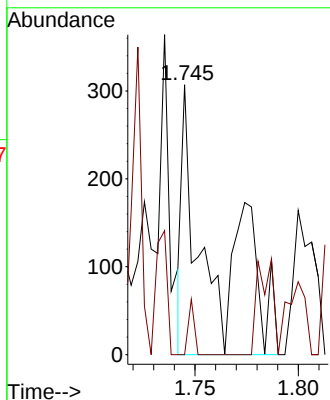
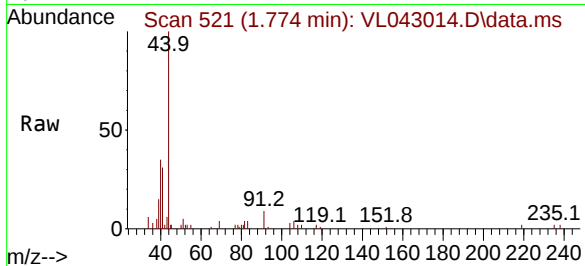




#3
Chlorodifluoromethane
Concen: 0.013 ppbv
RT: 1.774 min Scan# 51
Delta R.T. 0.301 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

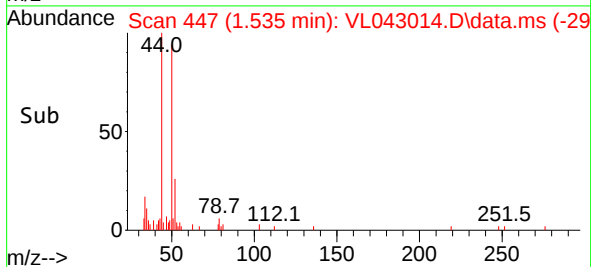
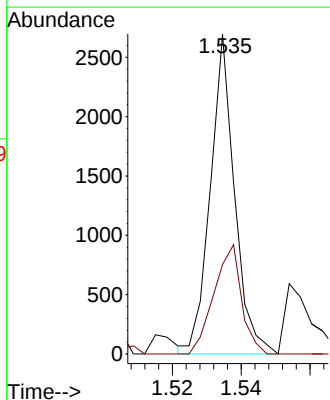
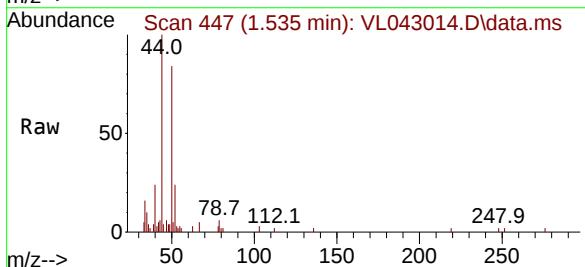
Instrument :
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ClientSampleId :
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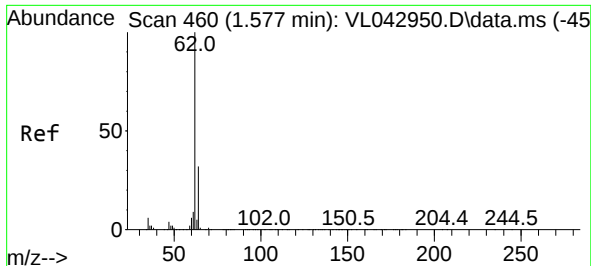
Tgt Ion: 51 Resp: 311
Ion Ratio Lower Upper
51 100
67 17.7 13.8 20.8



#4
Chloromethane
Concen: 0.147 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 50 Resp: 1321
Ion Ratio Lower Upper
50 100
52 26.4 25.9 38.9

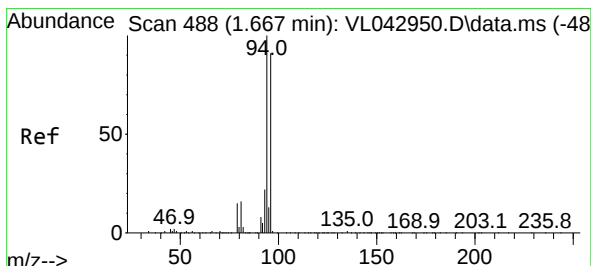
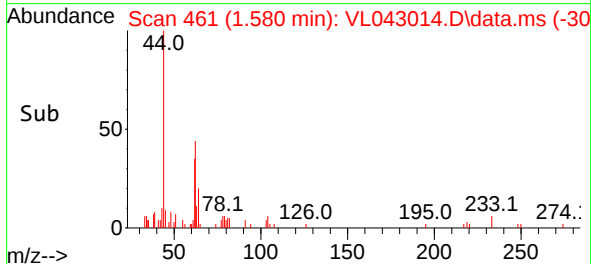
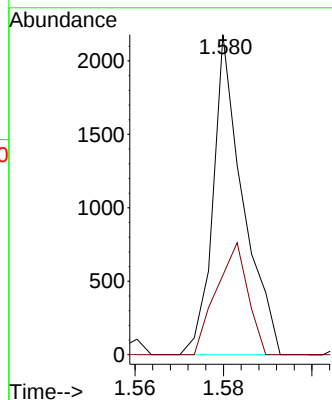
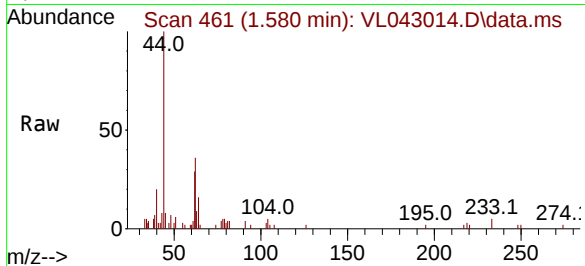




#5
 Vinyl Chloride
 Concen: 0.125 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

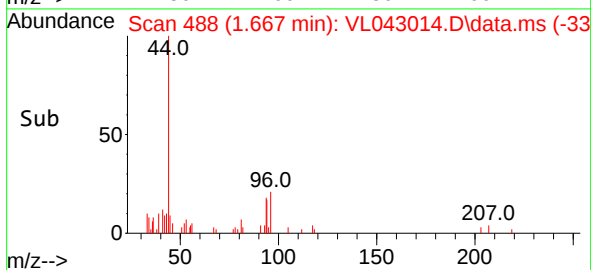
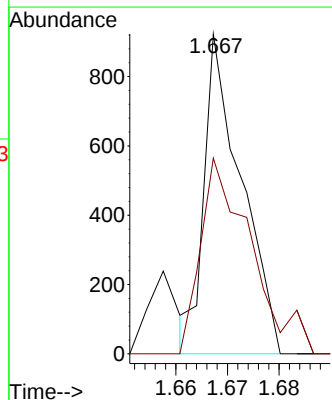
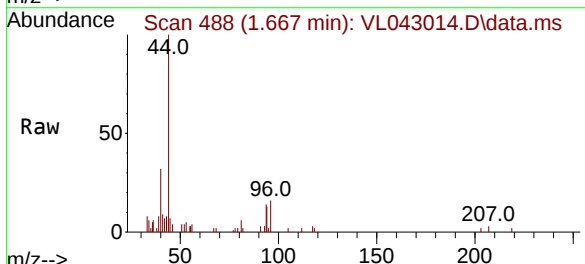
Instrument :
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 MDL-AIR-03-QT3-2025

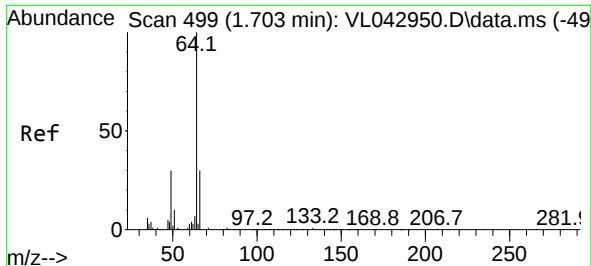
Tgt Ion: 62 Resp: 1022
 Ion Ratio Lower Upper
 62 100
 64 24.9 25.4 38.2#



#6
 Bromomethane
 Concen: 0.159 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

Tgt Ion: 94 Resp: 458
 Ion Ratio Lower Upper
 94 100
 96 61.2 72.6 108.8#

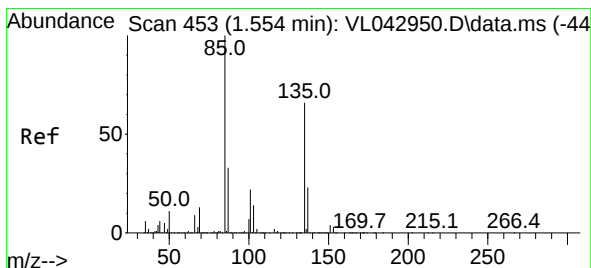
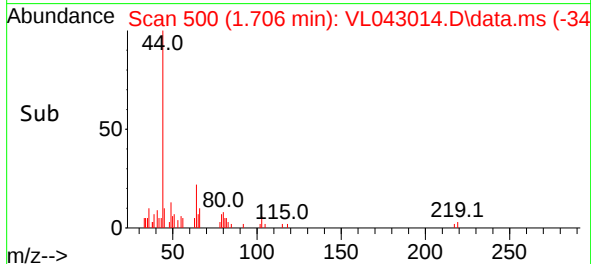
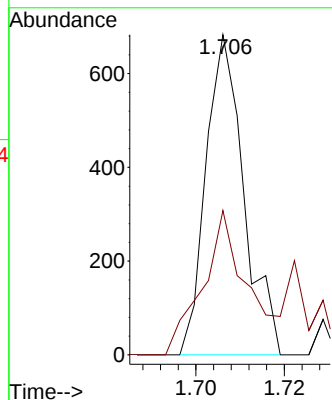
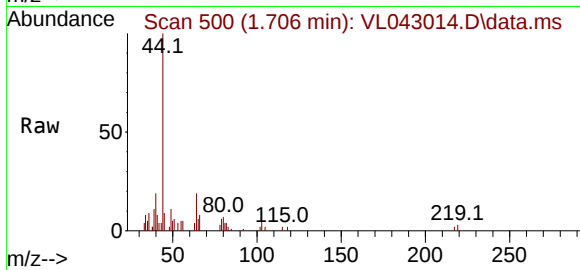




#7
Chloroethane
Concen: 0.129 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

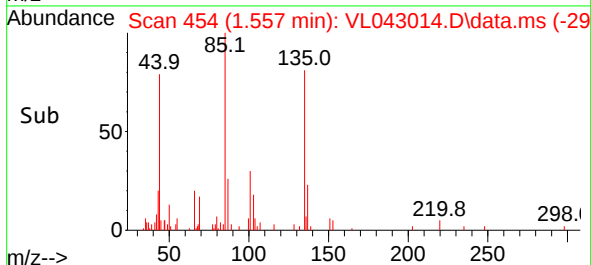
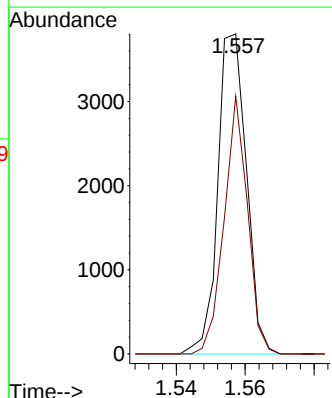
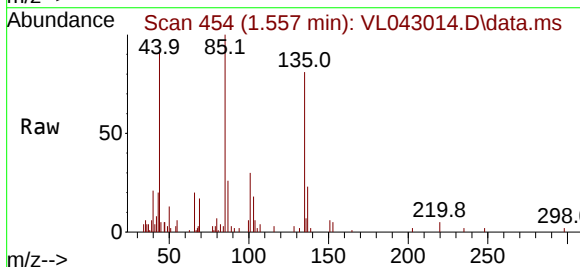
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MDL-AIR-03-QT3-2025

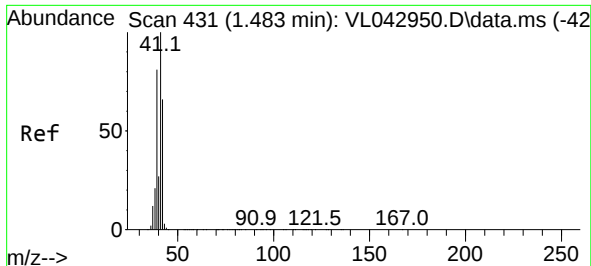
Tgt Ion: 64 Resp: 407
Ion Ratio Lower Upper
64 100
66 45.1 24.6 36.8#



#8
Dichlorotetrafluoroethane
Concen: 0.129 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 85 Resp: 2197
Ion Ratio Lower Upper
85 100
135 66.0 49.7 74.5





#9

Propene

Concen: 0.067 ppbv

RT: 1.603 min Scan# 41

Delta R.T. 0.120 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

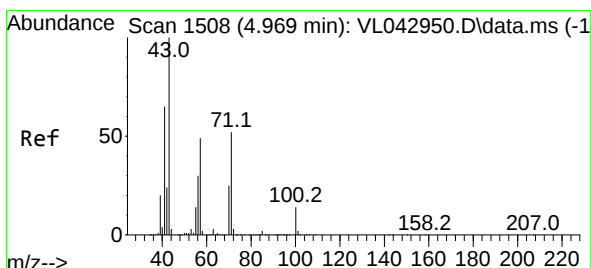
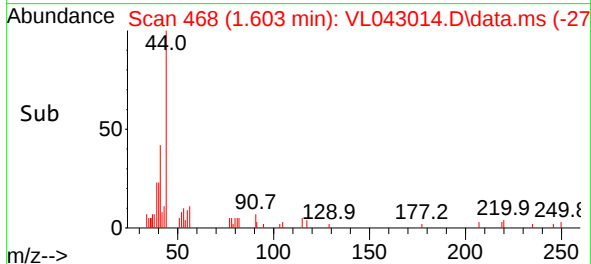
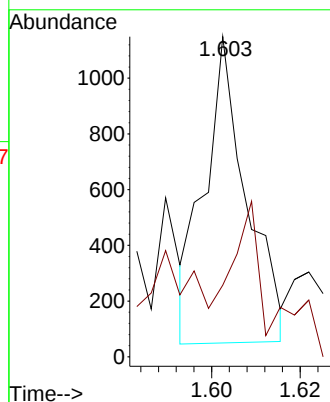
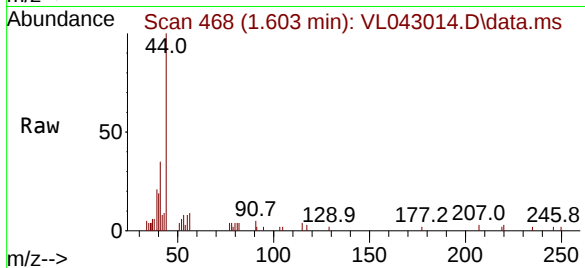
MDL-AIR-03-QT3-2025

Tgt Ion: 41 Resp: 721

Ion Ratio Lower Upper

41 100

42 77.5 57.4 86.2



#10

Heptane

Concen: 0.017 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. 0.010 min

Lab File: VL043014.D

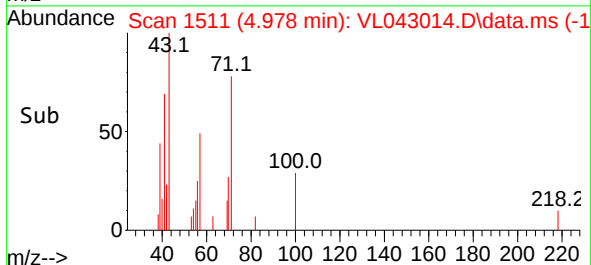
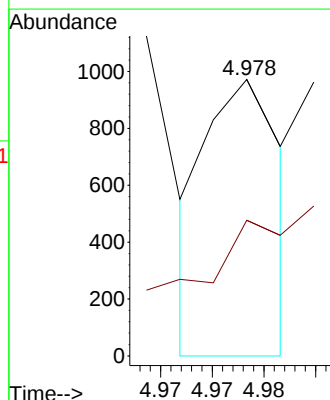
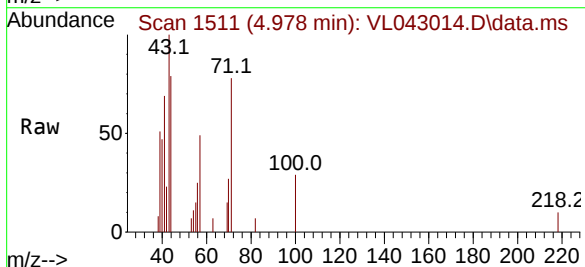
Acq: 24 Sep 2025 17:59

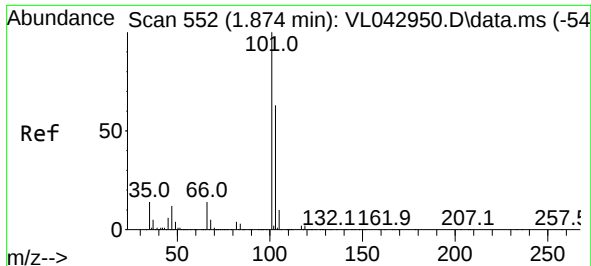
Tgt Ion: 43 Resp: 492

Ion Ratio Lower Upper

43 100

57 0.0 38.6 57.8#

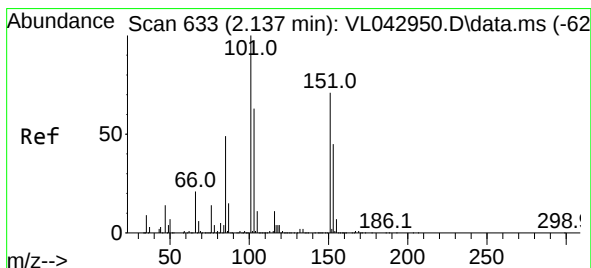
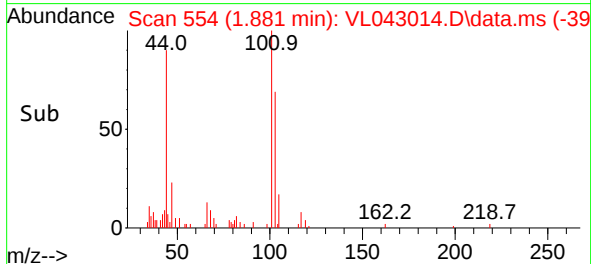
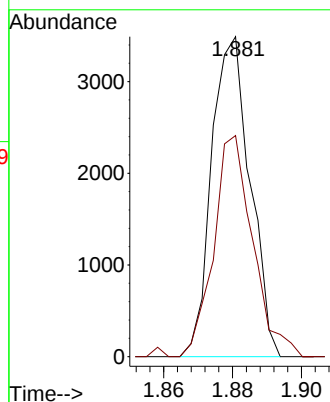
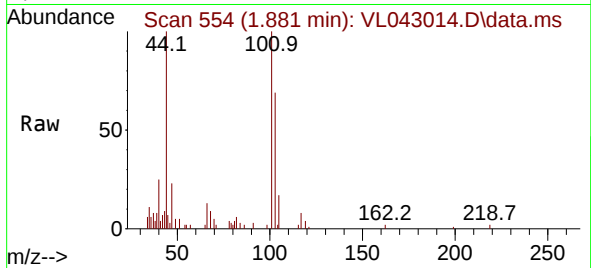




#11
 Trichlorofluoromethane
 Concen: 0.141 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.007 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

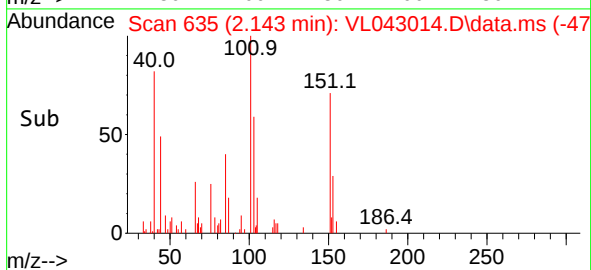
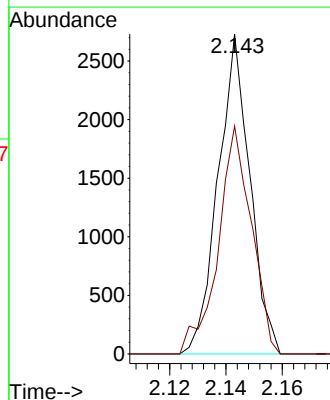
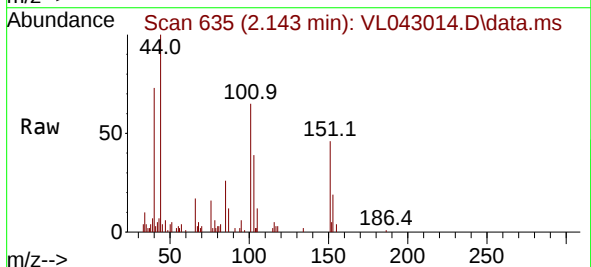
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

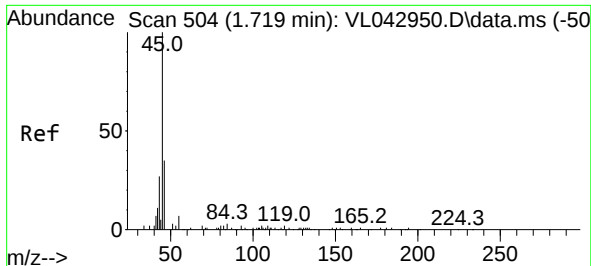
Tgt Ion:101 Resp: 2703
 Ion Ratio Lower Upper
 101 100
 103 69.1 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.138 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.007 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

Tgt Ion:101 Resp: 2143
 Ion Ratio Lower Upper
 101 100
 151 74.3 55.7 83.5

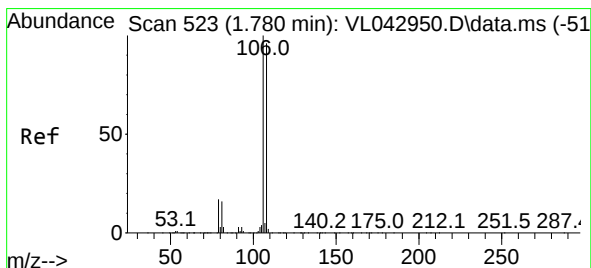
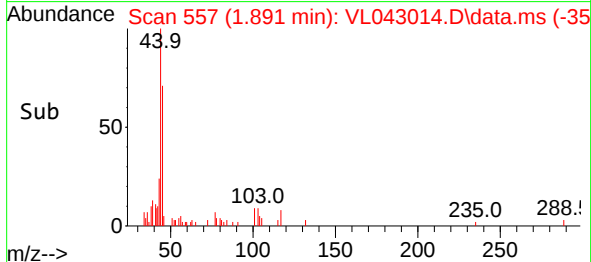
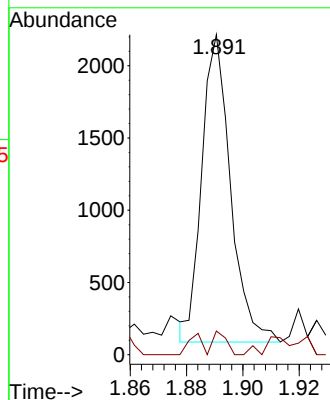
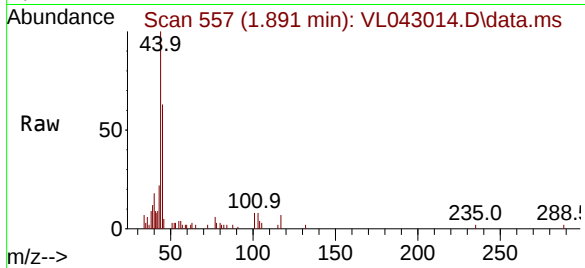




#13
Ethanol
Concen: 1.437 ppbv
RT: 1.891 min Scan# 51
Delta R.T. 0.172 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

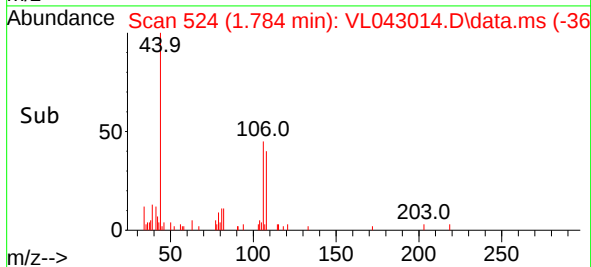
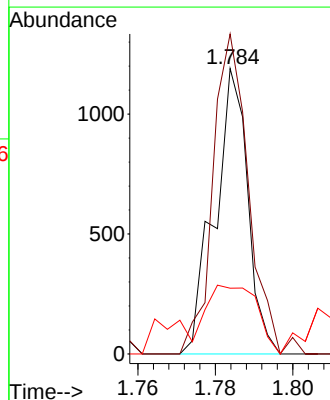
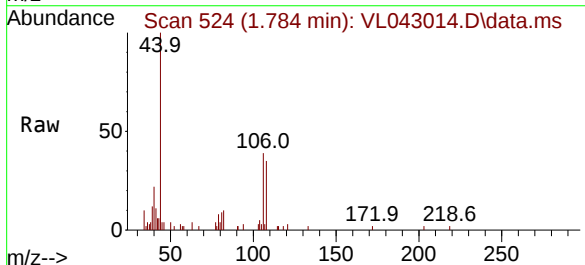
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

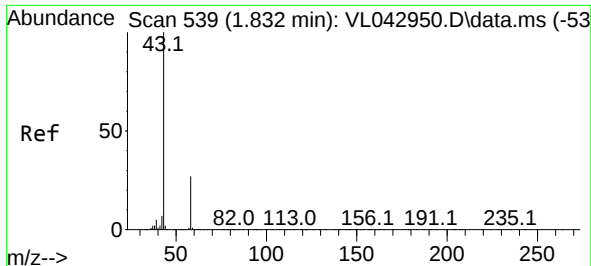
Tgt Ion: 45 Resp: 1505
Ion Ratio Lower Upper
45 100
46 0.0 16.2 64.6#



#14
Bromoethene
Concen: 0.120 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 108 Resp: 707
Ion Ratio Lower Upper
108 100
106 125.0 86.0 129.0
79 73.4 14.2 21.2#





#15

Acetone

Concen: 0.219 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.007 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

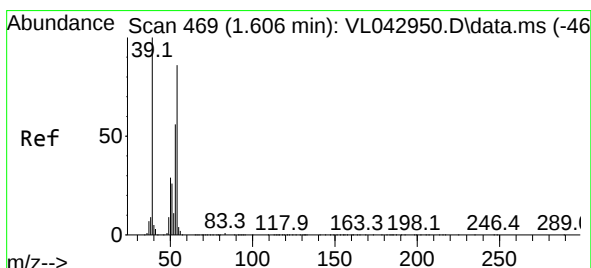
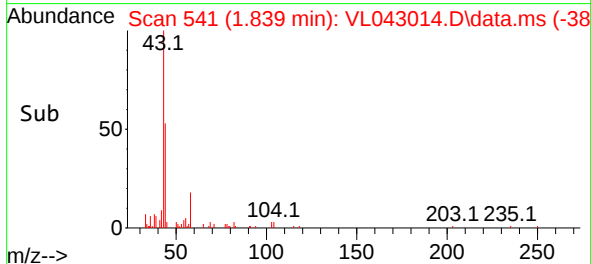
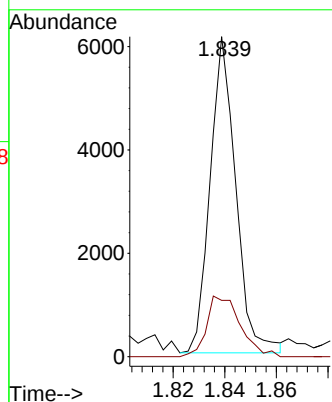
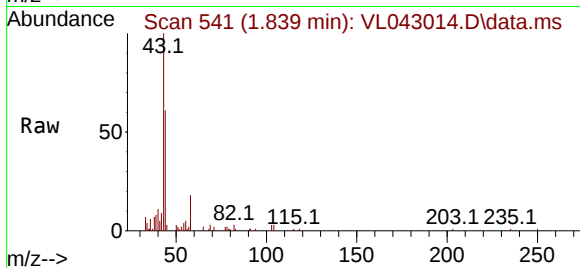
MDL-AIR-03-QT3-2025

Tgt Ion: 43 Resp: 4223

Ion Ratio Lower Upper

43 100

58 25.1 22.3 33.5



#16

1,3-Butadiene

Concen: 0.114 ppbv

RT: 1.612 min Scan# 471

Delta R.T. 0.007 min

Lab File: VL043014.D

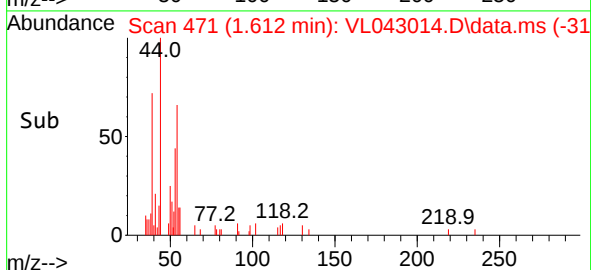
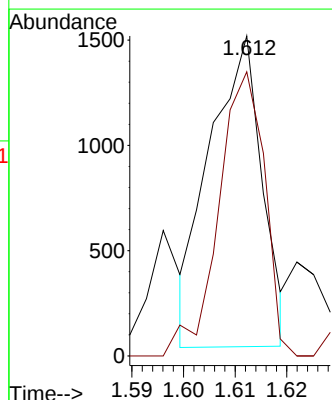
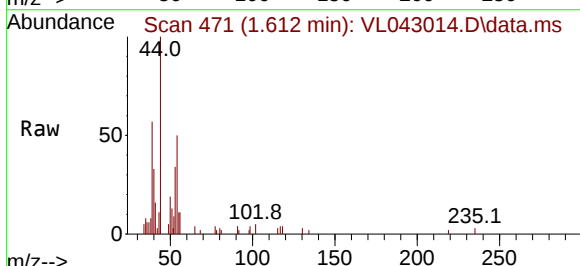
Acq: 24 Sep 2025 17:59

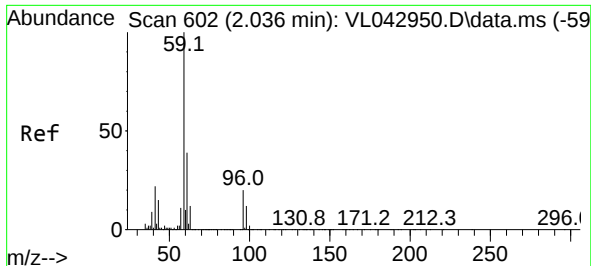
Tgt Ion: 39 Resp: 1041

Ion Ratio Lower Upper

39 100

54 85.7 60.8 91.2





#17

tert-Butyl alcohol

Concen: 0.100 ppbv

RT: 2.046 min Scan# 602

Delta R.T. 0.010 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

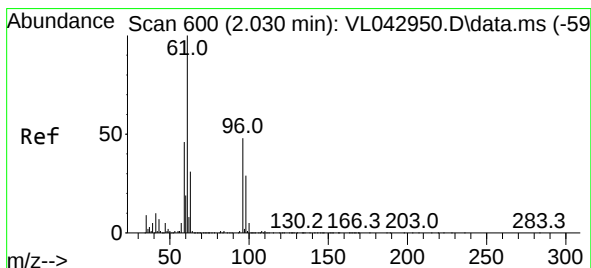
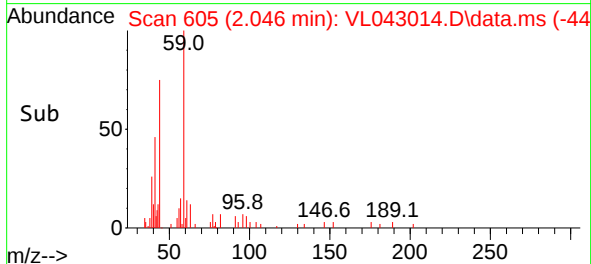
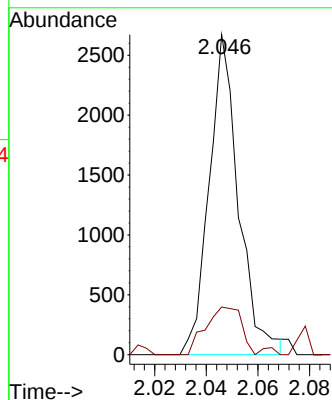
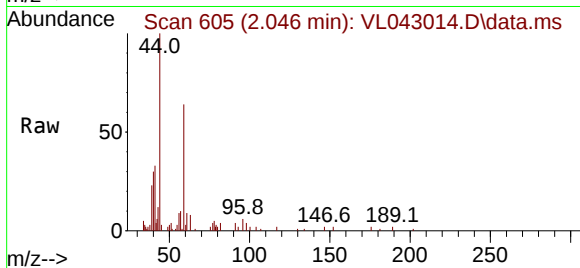
MDL-AIR-03-QT3-2025

Tgt Ion: 59 Resp: 2115

Ion Ratio Lower Upper

59 100

57 20.3 8.6 12.8#



#18

1,1-Dichloroethene

Concen: 0.154 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

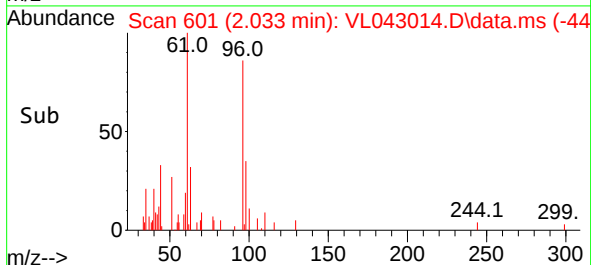
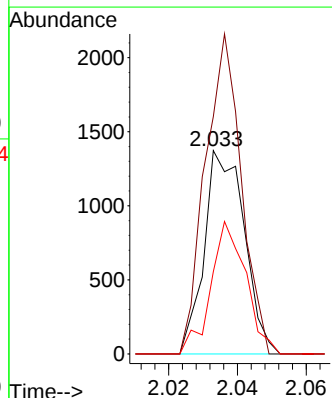
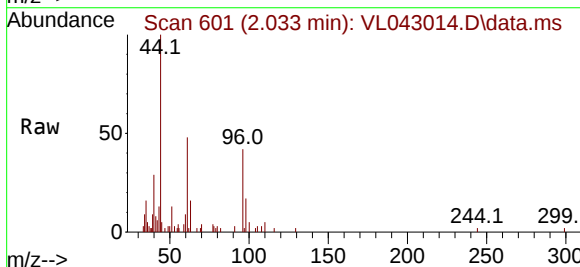
Tgt Ion: 96 Resp: 1109

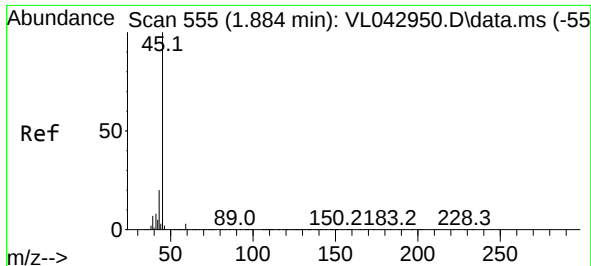
Ion Ratio Lower Upper

96 100

61 116.7 166.2 249.4#

98 40.4 48.6 73.0#

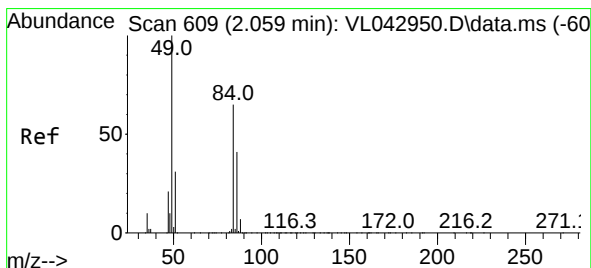
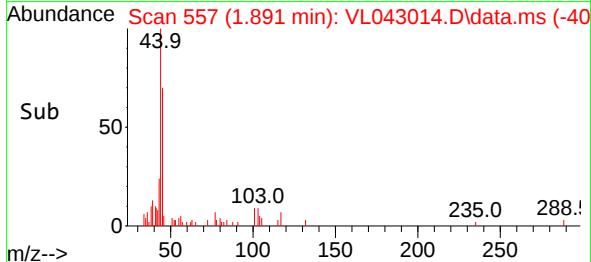
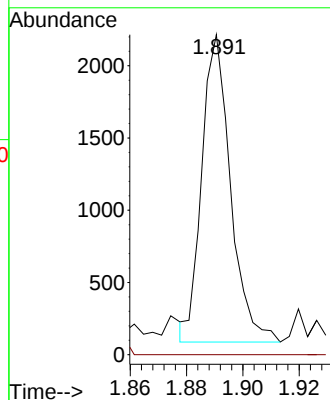
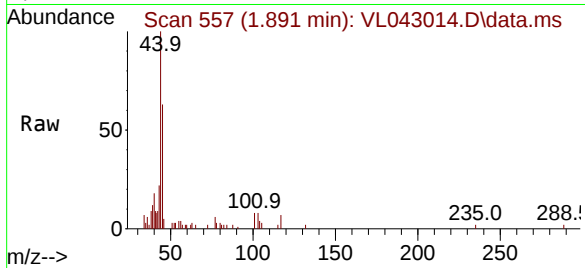




#19
Isopropyl Alcohol
Concen: 0.130 ppbv
RT: 1.891 min Scan# 51
Delta R.T. 0.007 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

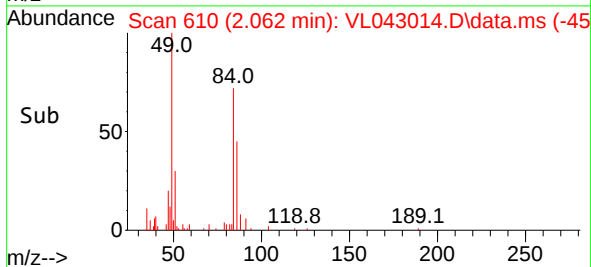
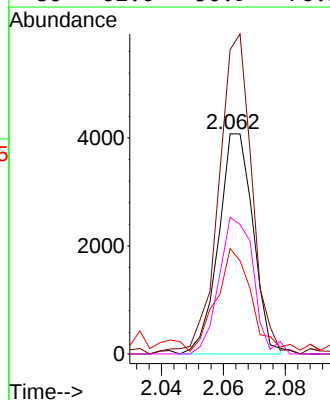
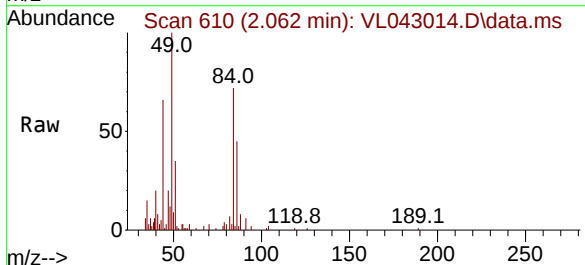
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

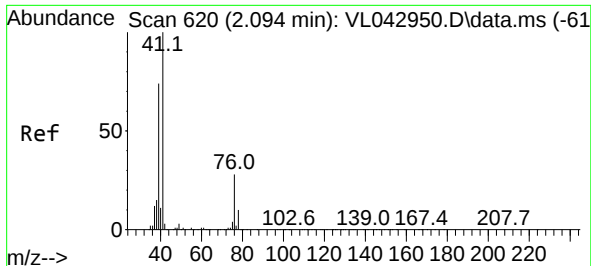
Tgt Ion: 45 Resp: 1505
Ion Ratio Lower Upper
45 100
58 70.4 31.0 46.6#



#20
Methylene Chloride
Concen: 0.390 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 84 Resp: 3150
Ion Ratio Lower Upper
84 100
49 136.5 124.1 186.1
51 44.8 39.8 59.8
86 62.0 50.9 76.3

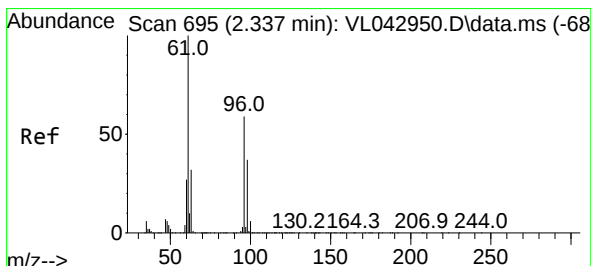
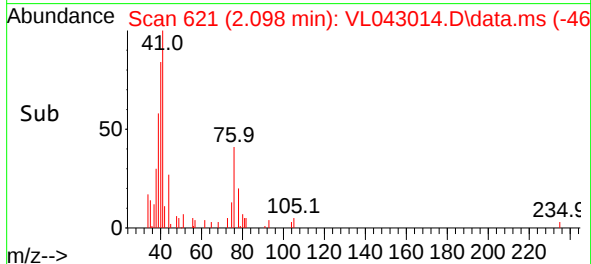
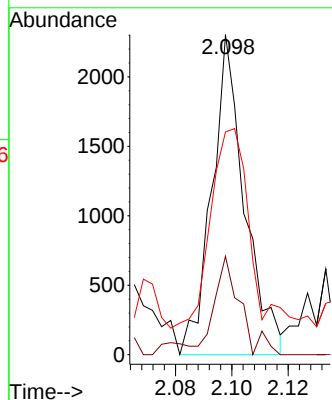
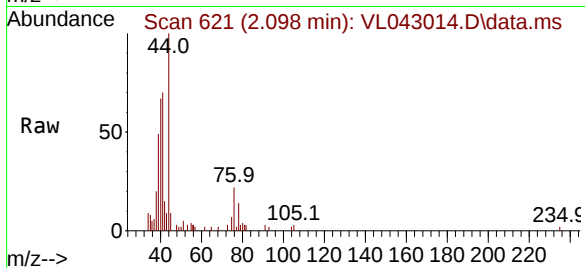




#21
 Allyl Chloride
 Concen: 0.139 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

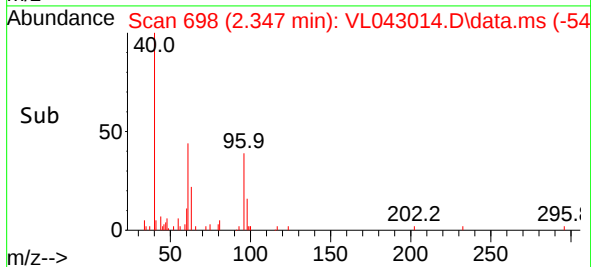
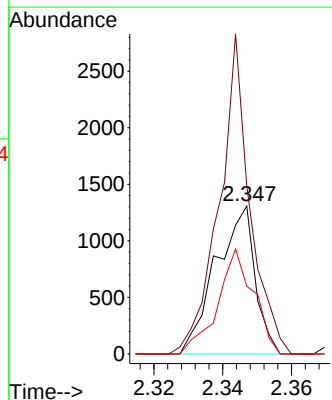
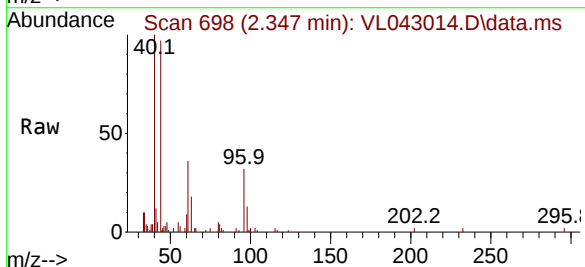
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

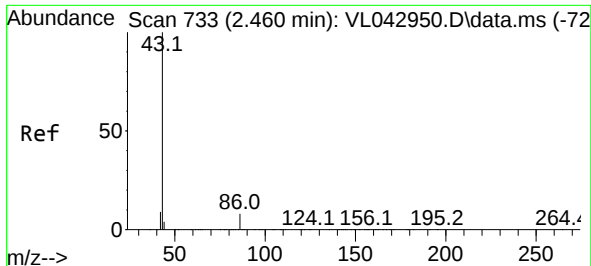
Tgt Ion:	41	Resp:	1866
Ion	Ratio	Lower	Upper
41	100		
76	29.0	22.3	33.5
39	129.3	61.3	91.9#



#22
 trans-1,2-Dichloroethene
 Concen: 0.126 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.010 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

Tgt Ion:	96	Resp:	1032
Ion	Ratio	Lower	Upper
96	100		
61	109.1	136.5	204.7#
98	45.8	50.6	76.0#

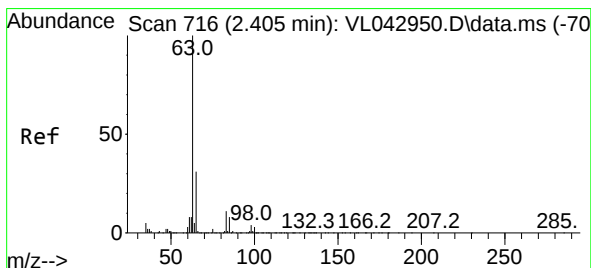
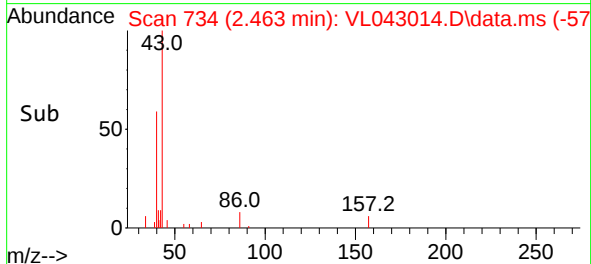
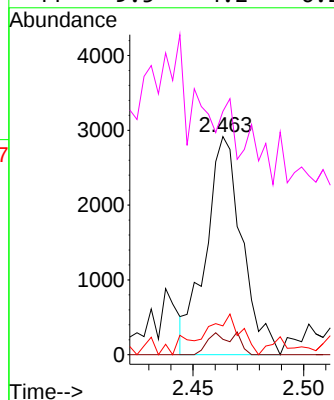
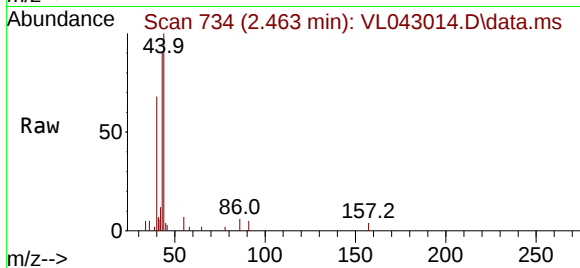




#23
 Vinyl Acetate
 Concen: 0.120 ppbv
 RT: 2.463 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

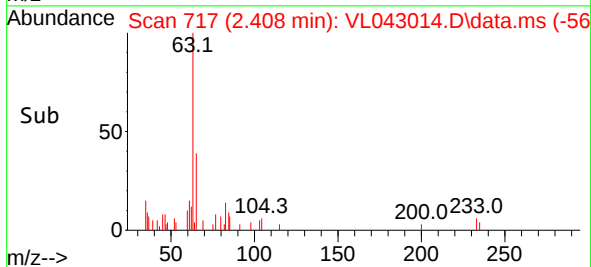
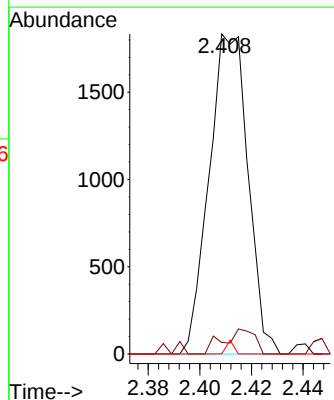
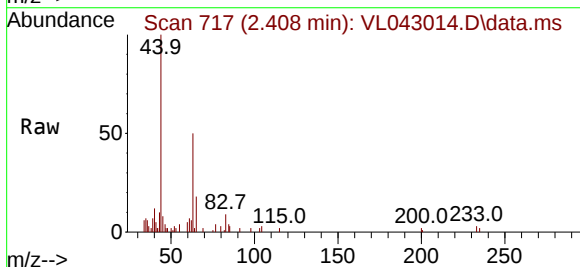
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

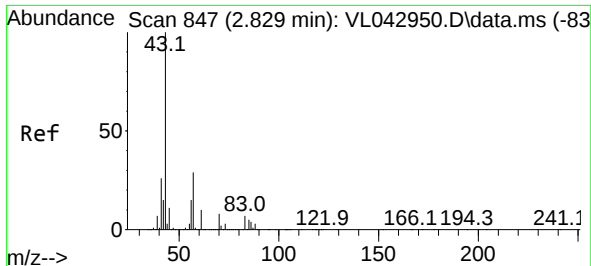
Tgt Ion:	43	Resp:	3307
Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.2	9.2
42	5.0	7.4	11.0#
44	9.5	4.2	6.2#



#24
 1,1-Dichloroethane
 Concen: 0.120 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

Tgt Ion:	63	Resp:	1920
Ion	Ratio	Lower	Upper
63	100		
98	3.6	2.2	6.6
100	0.0	1.4	4.0#

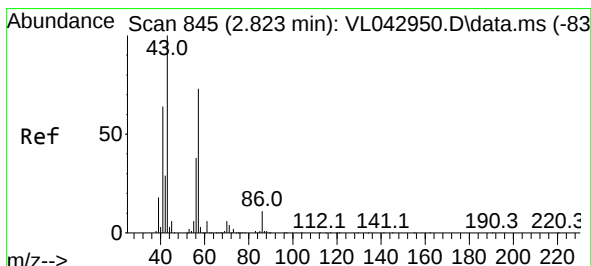
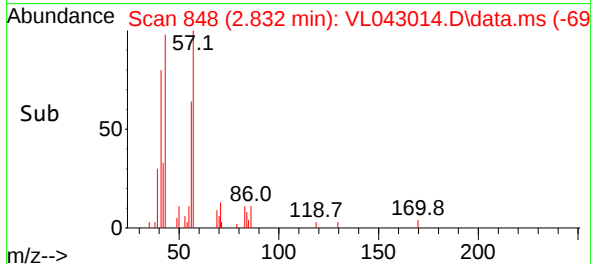
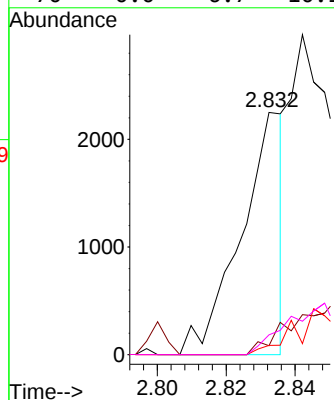
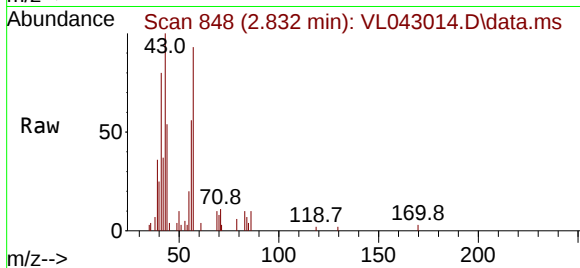




#25
Ethyl Acetate
Concen: 0.040 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

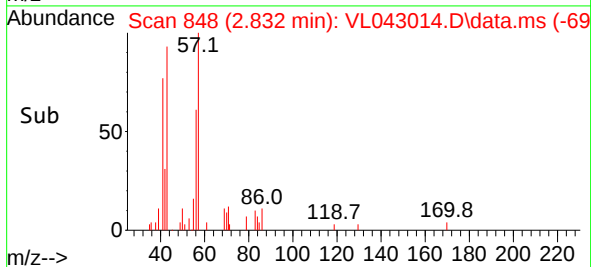
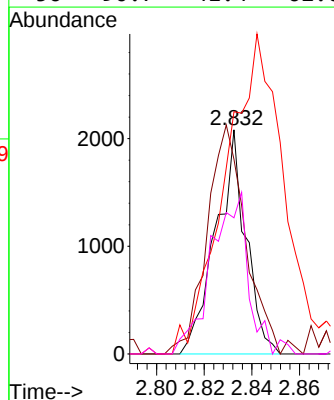
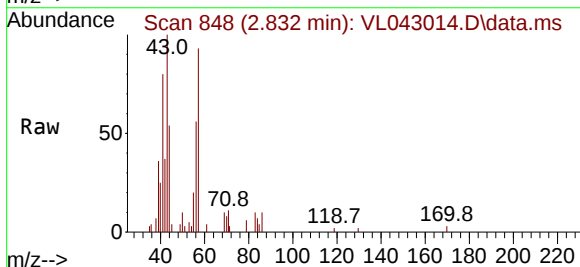
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

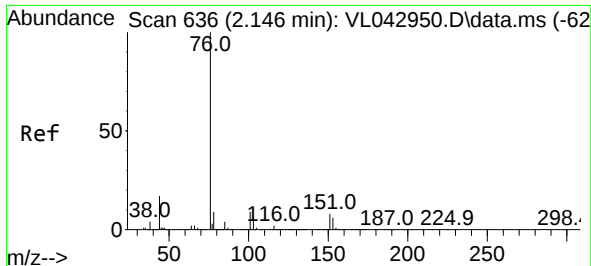
Tgt Ion: 43 Resp: 1932
Ion Ratio Lower Upper
43 100
45 0.0 7.7 11.5#
61 0.0 7.1 10.7#
70 0.0 6.7 10.1#



#26
Hexane
Concen: 0.082 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.010 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 57 Resp: 1827
Ion Ratio Lower Upper
57 100
41 132.6 71.7 107.5#
43 286.3 180.8 271.2#
56 90.7 41.4 62.0#

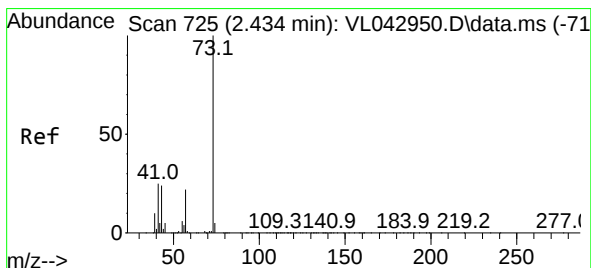
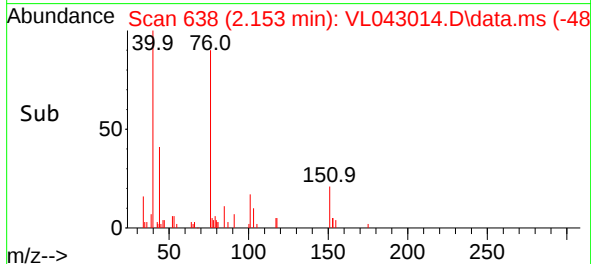
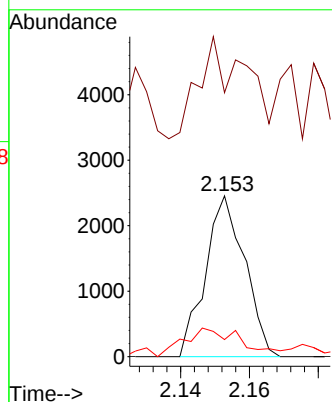
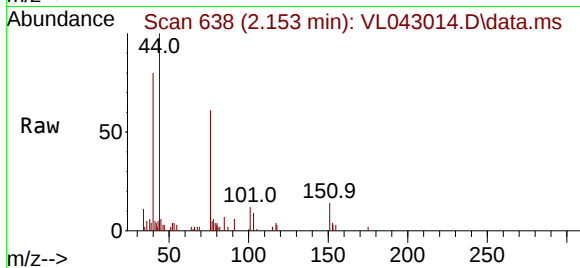




#27
Carbon Disulfide
Concen: 0.098 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.007 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

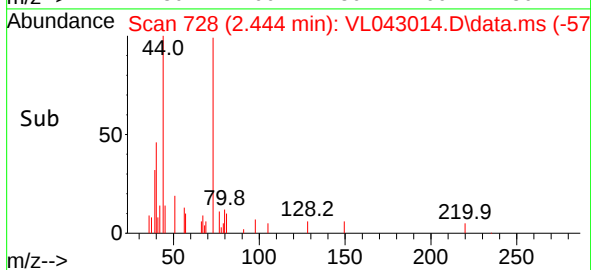
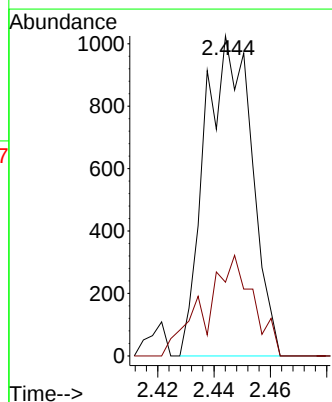
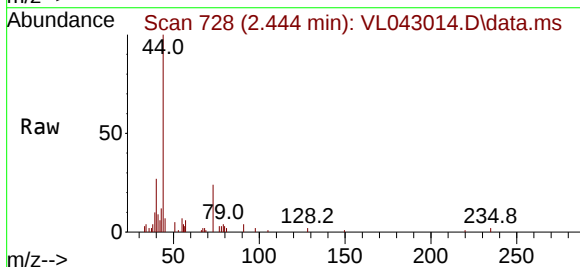
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

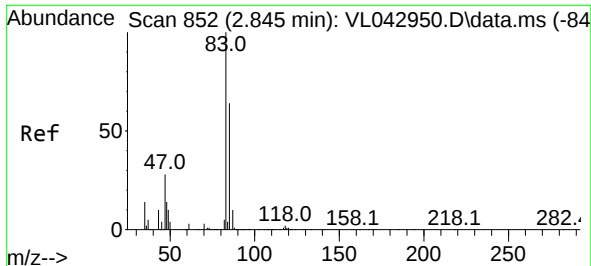
Tgt Ion: 76 Resp: 1948
Ion Ratio Lower Upper
76 100
44 291.5 15.6 23.4#
78 34.3 8.9 13.3#



#28
Methyl tert-Butyl Ether
Concen: 0.102 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.010 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 73 Resp: 1183
Ion Ratio Lower Upper
73 100
57 32.0 20.6 31.0#





#29

Chloroform

Concen: 0.124 ppbv

RT: 2.849 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

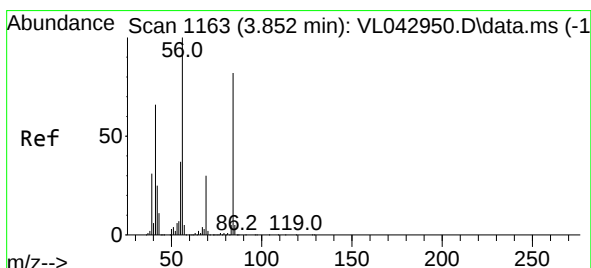
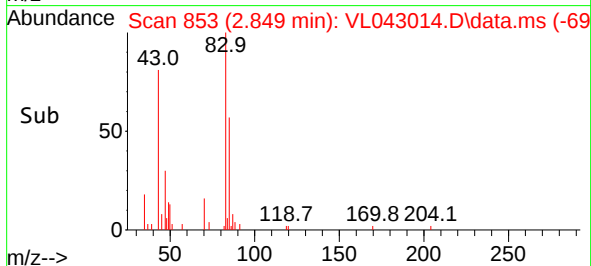
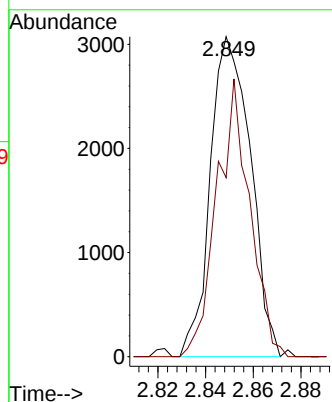
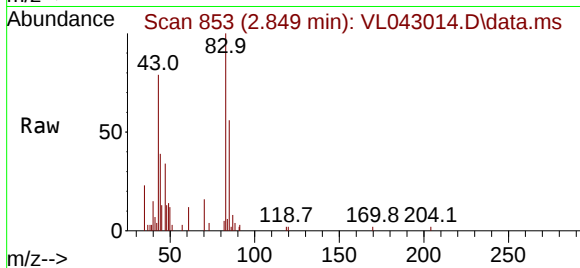
MDL-AIR-03-QT3-2025

Tgt Ion: 83 Resp: 3599

Ion Ratio Lower Upper

83 100

85 55.9 51.2 76.8



#30

Cyclohexane

Concen: 0.037 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

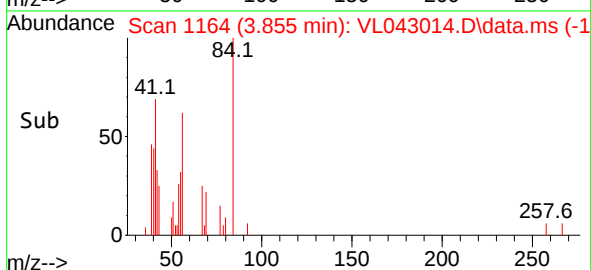
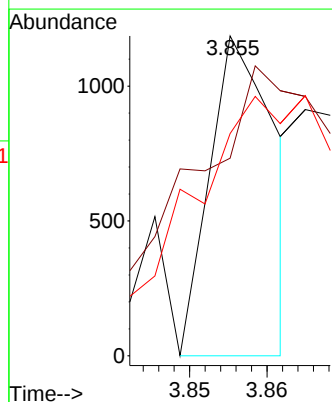
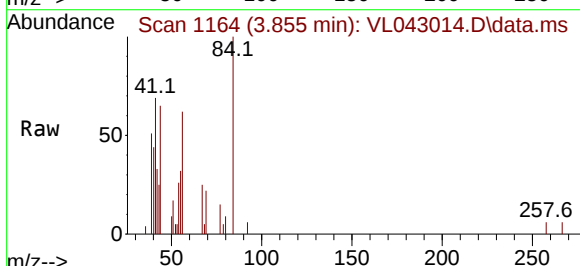
Tgt Ion: 84 Resp: 693

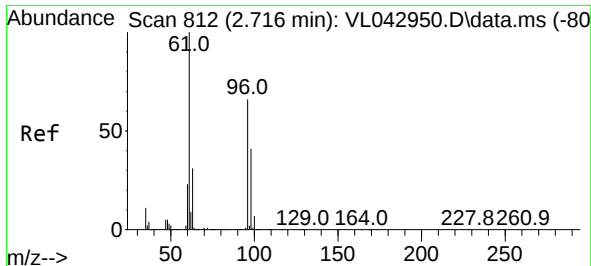
Ion Ratio Lower Upper

84 100

56 260.5 102.2 153.4#

41 0.0 65.6 98.4#

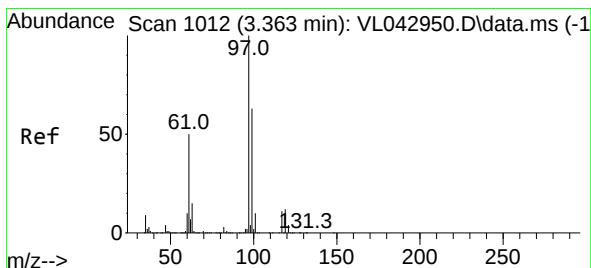
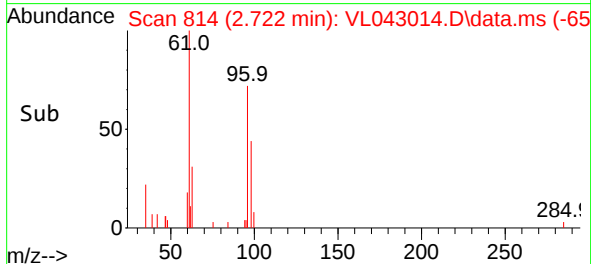
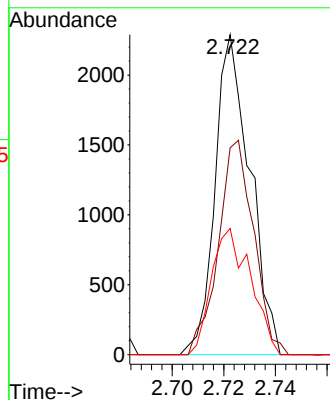
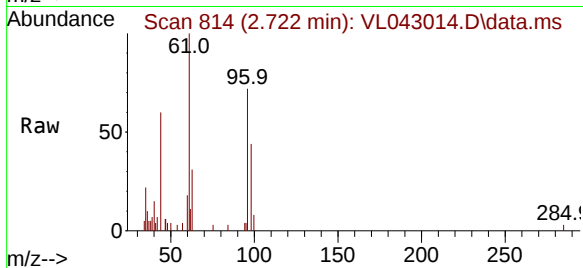




#31
 cis-1,2-Dichloroethene
 Concen: 0.103 ppbv
 RT: 2.722 min Scan# 812
 Delta R.T. 0.007 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

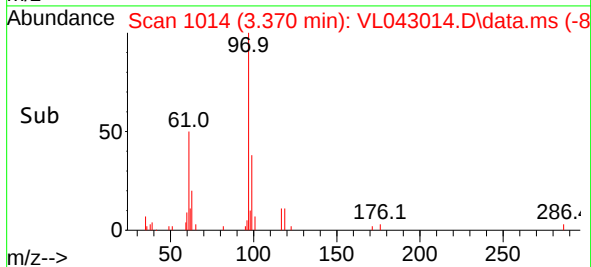
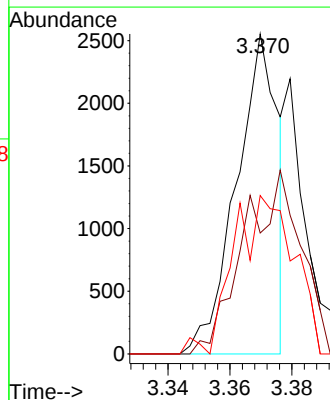
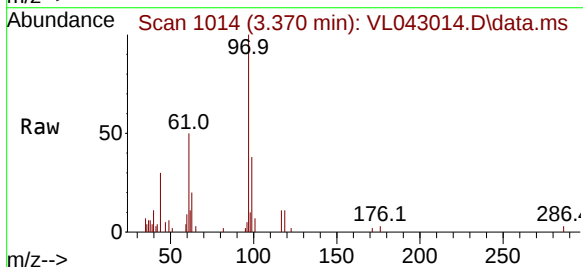
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

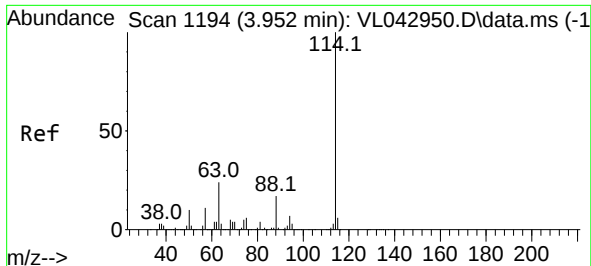
Tgt Ion:	61	Resp:	2146
Ion	Ratio	Lower	Upper
61	100		
96	64.7	53.0	79.6
98	39.4	32.9	49.3



#32
 1,1,1-Trichloroethane
 Concen: 0.076 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.007 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

Tgt Ion:	97	Resp:	2385
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.1	76.7#
61	72.7	39.8	59.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.010 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

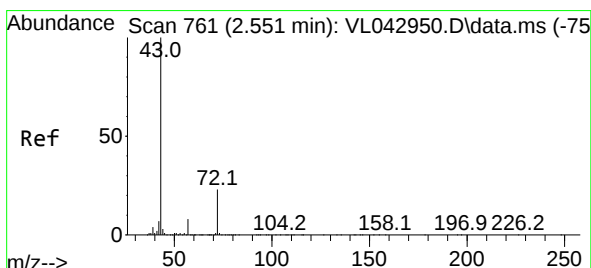
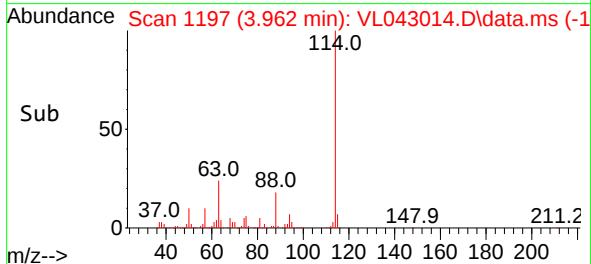
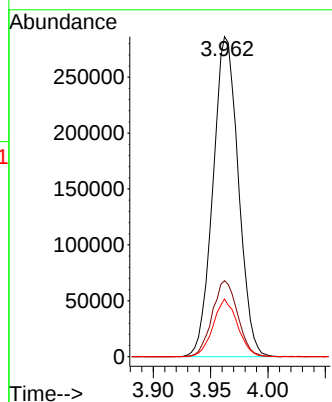
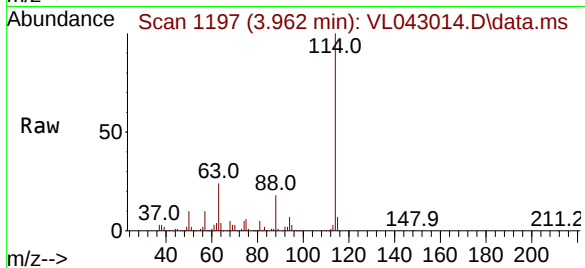
Tgt Ion:114 Resp: 440291

Ion Ratio Lower Upper

114 100

63 23.8 19.4 29.2

88 17.3 14.2 21.2



#34

2-Butanone

Concen: 0.118 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.016 min

Lab File: VL043014.D

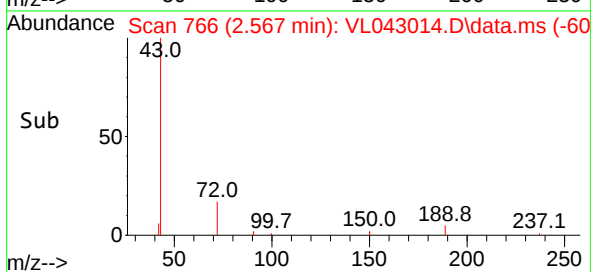
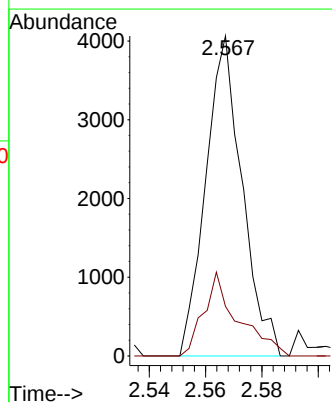
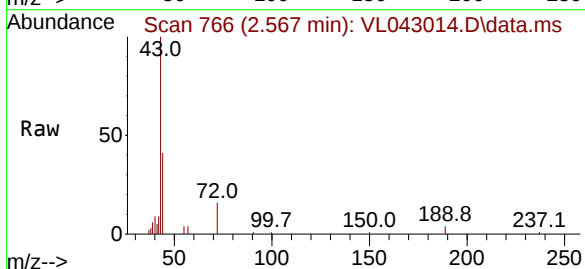
Acq: 24 Sep 2025 17:59

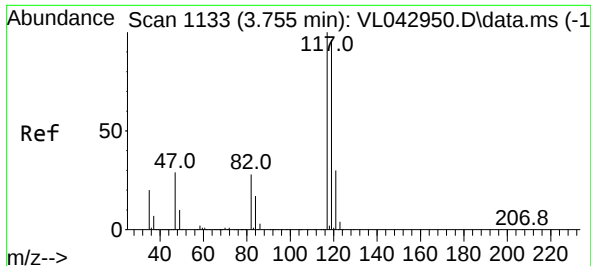
Tgt Ion: 43 Resp: 3646

Ion Ratio Lower Upper

43 100

72 24.6 17.7 26.5



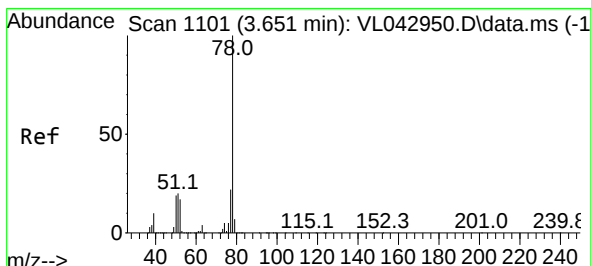
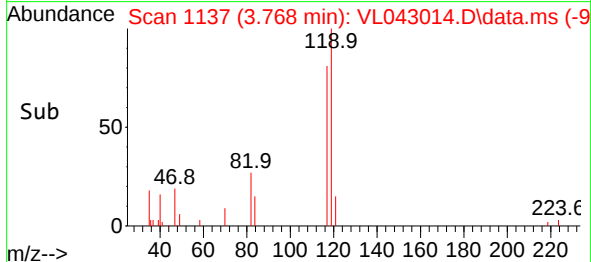
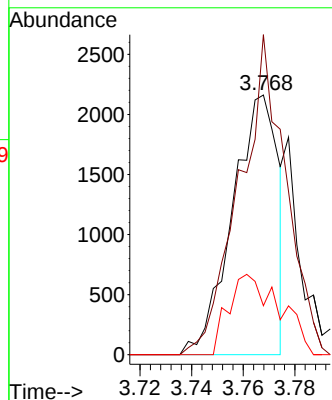
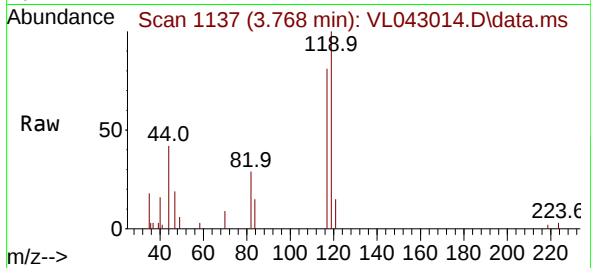


#35
Carbon Tetrachloride
Concen: 0.092 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. 0.013 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT3-2025

Tgt Ion: 117 Resp: 2648

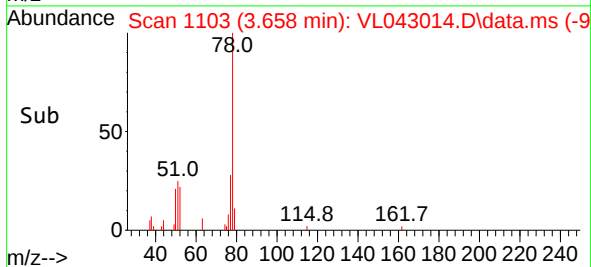
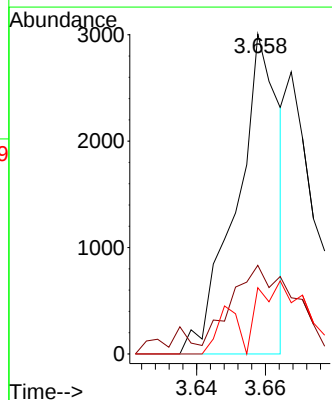
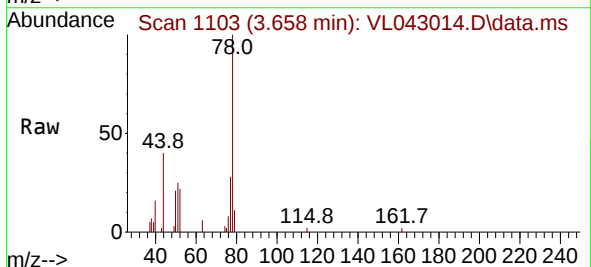
Ion	Ratio	Lower	Upper
117	100		
119	123.2	76.9	115.3#
121	18.9	23.7	35.5#

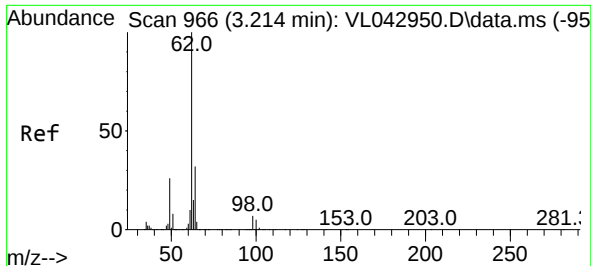


#36
Benzene
Concen: 0.062 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.007 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 78 Resp: 2580

Ion	Ratio	Lower	Upper
78	100		
77	19.2	17.8	26.6
50	20.7	15.0	22.4





#37

1,2-Dichloroethane

Concen: 0.125 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.007 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

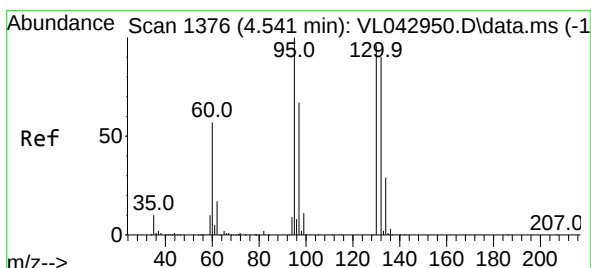
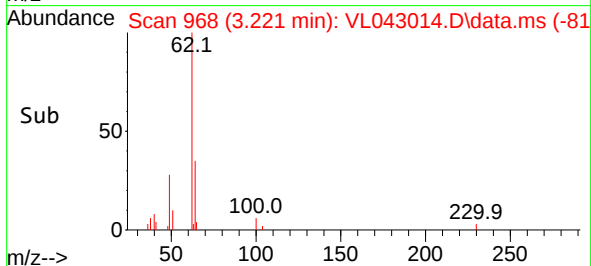
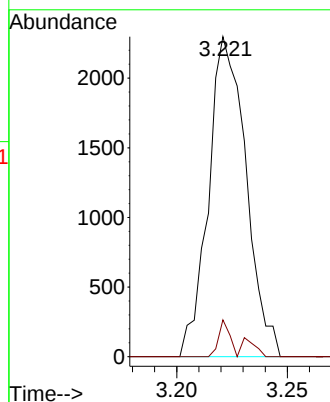
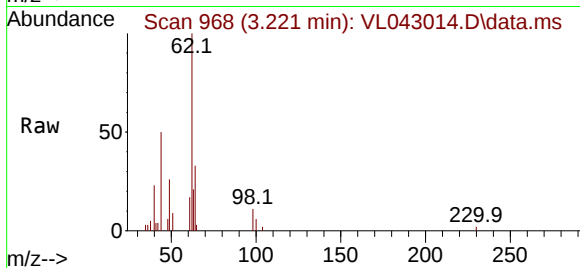
MDL-AIR-03-QT3-2025

Tgt Ion: 62 Resp: 2709

Ion Ratio Lower Upper

62 100

98 5.5 5.9 8.9#



#38

Trichloroethene

Concen: 0.064 ppbv

RT: 4.551 min Scan# 1379

Delta R.T. 0.010 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Tgt Ion:130 Resp: 1305

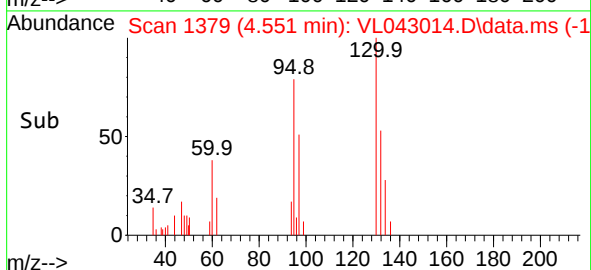
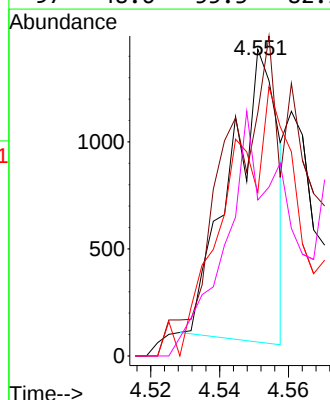
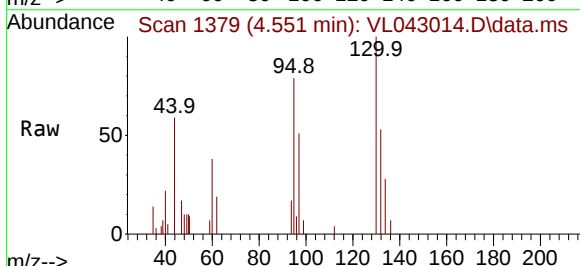
Ion Ratio Lower Upper

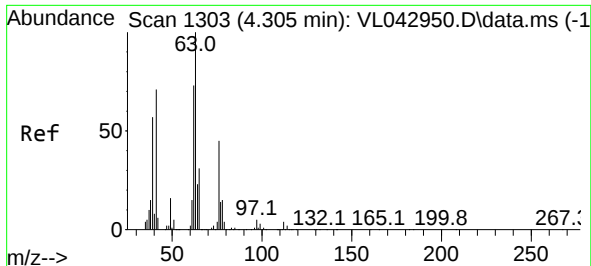
130 100

95 73.2 83.0 124.4#

132 57.7 74.6 112.0#

97 48.6 55.3 82.9#





#39

1,2-Dichloropropane

Concen: 6.938 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.343 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

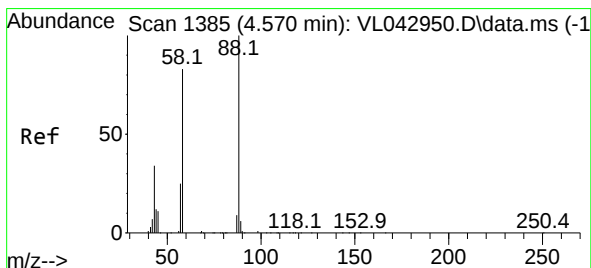
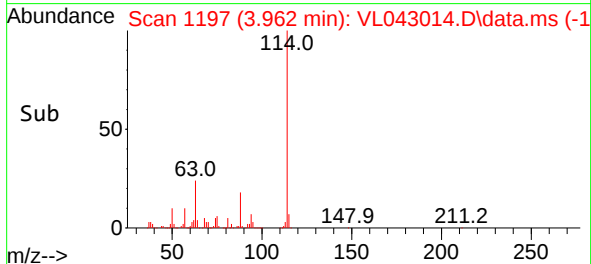
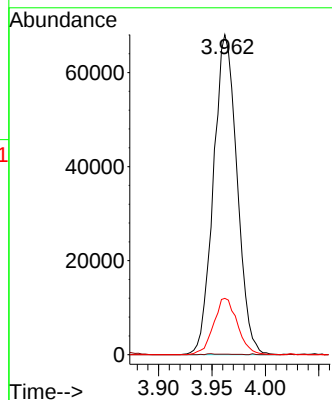
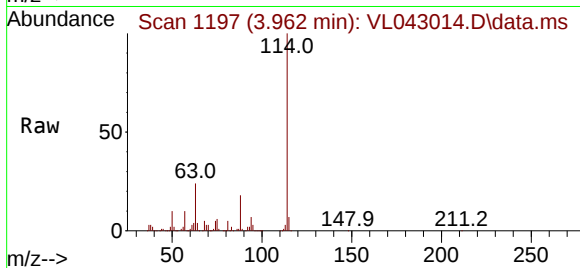
Tgt Ion: 63 Resp: 104715

Ion Ratio Lower Upper

63 100

41 0.1 57.5 86.3#

62 17.6 58.5 87.7#



#40

1,4-Dioxane

Concen: 0.040 ppbv

RT: 4.616 min Scan# 1399

Delta R.T. 0.045 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Tgt Ion: 88 Resp: 282

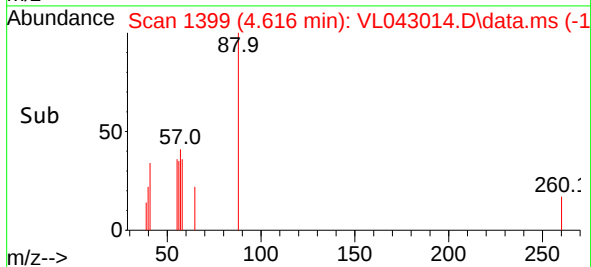
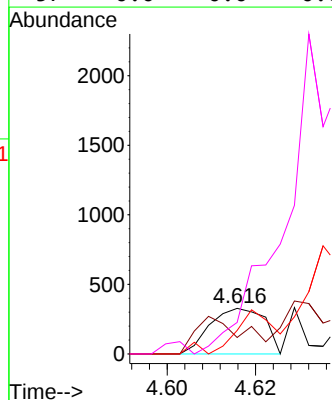
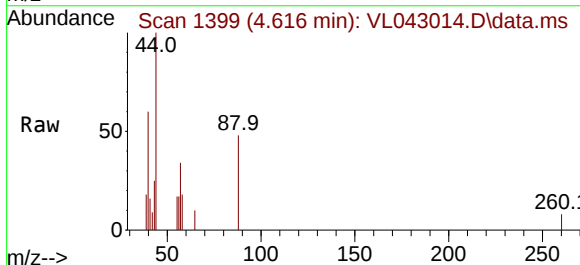
Ion Ratio Lower Upper

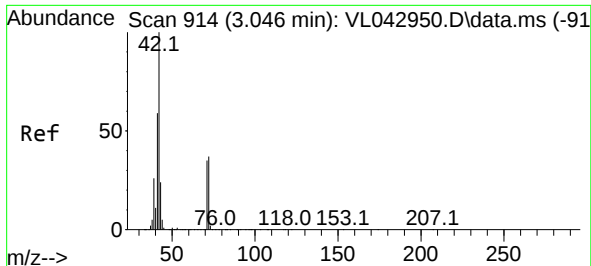
88 100

58 0.0 59.7 89.5#

43 42.6 28.9 43.3

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.001 ppbv

RT: 3.049 min Scan# 914

Delta R.T. 0.003 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

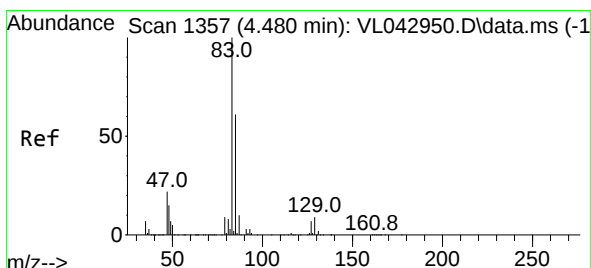
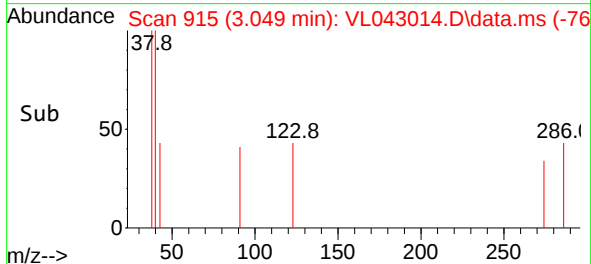
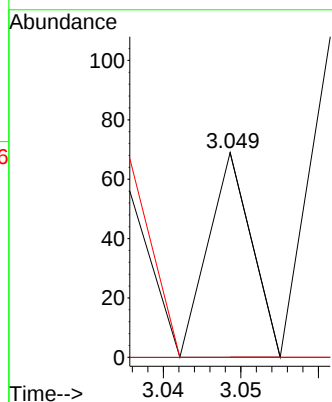
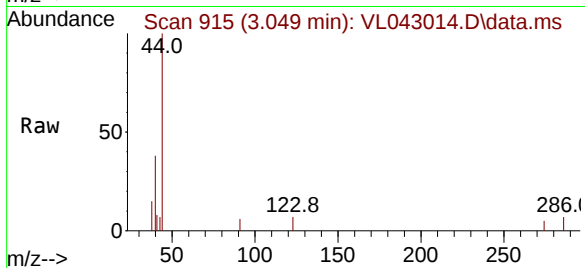
Tgt Ion: 42 Resp: 13

Ion Ratio Lower Upper

42 100

72 0.0 30.0 45.0#

71 0.0 28.8 43.2#



#42

Bromodichloromethane

Concen: 0.056 ppbv

RT: 4.486 min Scan# 1359

Delta R.T. 0.007 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

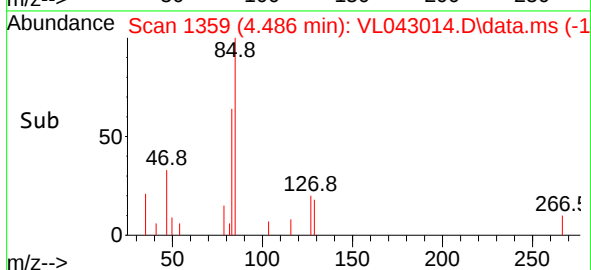
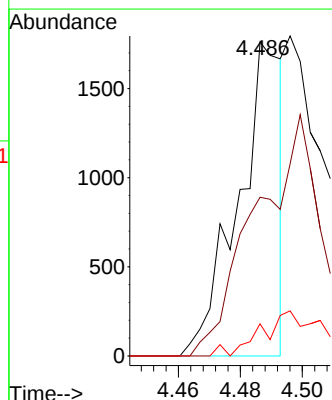
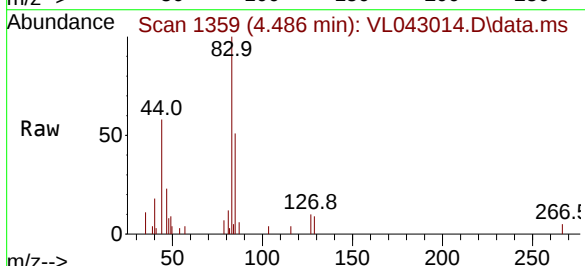
Tgt Ion: 83 Resp: 1711

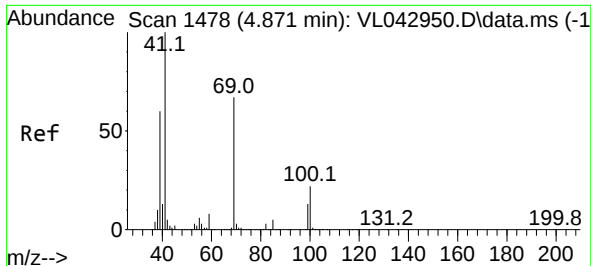
Ion Ratio Lower Upper

83 100

85 50.5 49.0 73.6

127 10.2 5.3 7.9#

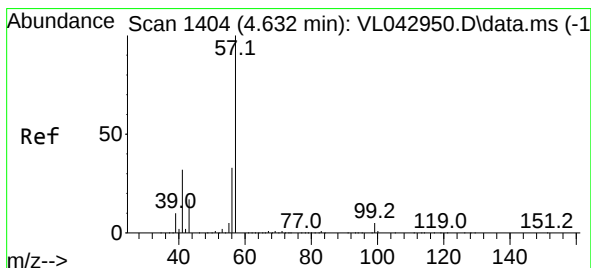
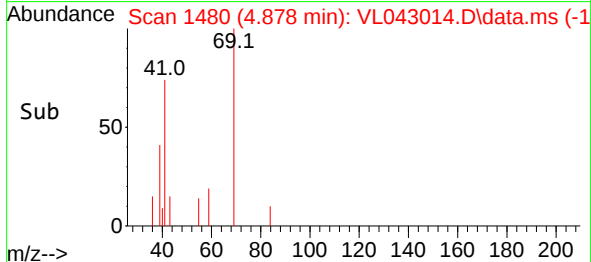
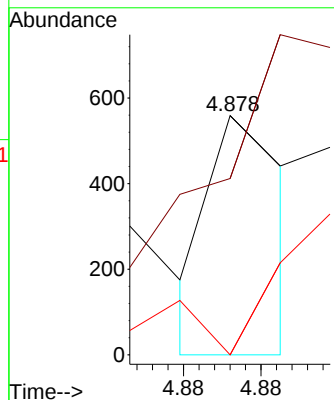
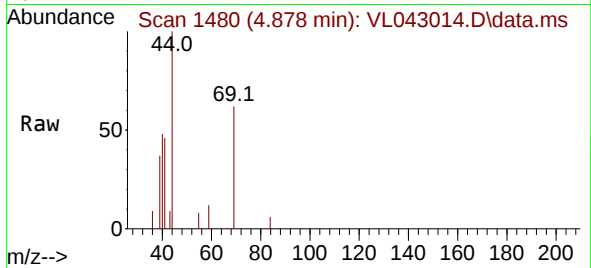




#43
Methyl Methacrylate
Concen: 0.011 ppbv
RT: 4.878 min Scan# 1478
Delta R.T. 0.007 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

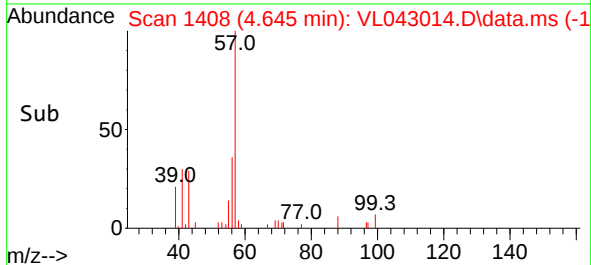
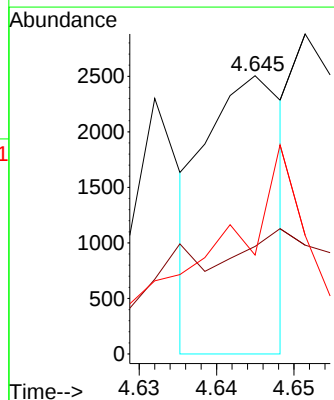
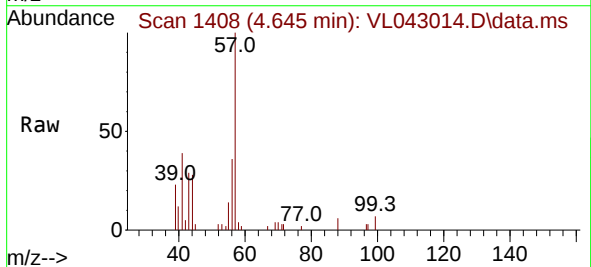
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

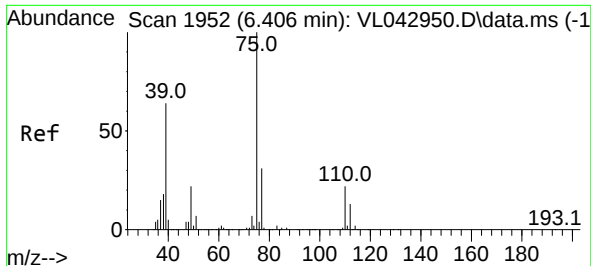
Tgt Ion: 69 Resp: 194
Ion Ratio Lower Upper
69 100
41 0.0 124.5 186.7#
100 0.0 29.0 43.6#



#44
2,2,4-Trimethylpentane
Concen: 0.024 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.013 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 57 Resp: 1749
Ion Ratio Lower Upper
57 100
41 0.0 25.5 38.3#
56 0.0 25.8 38.8#

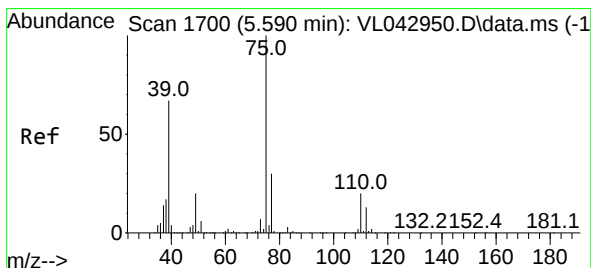
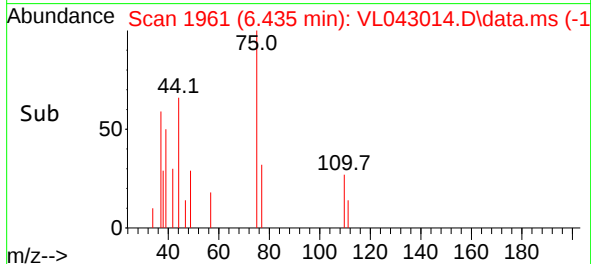
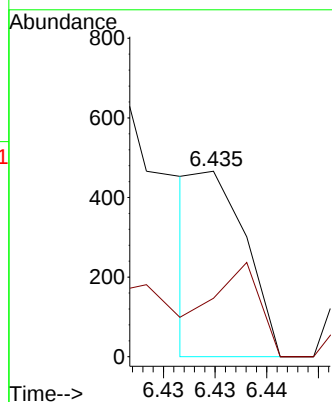
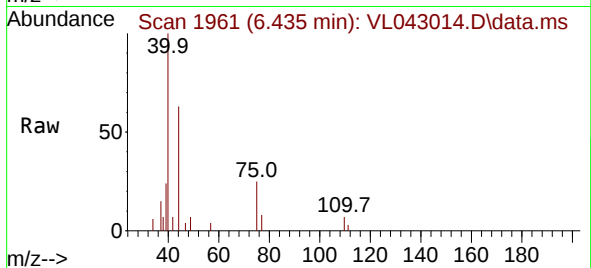




#45
 t-1,3-Dichloropropene
 Concen: 0.008 ppbv
 RT: 6.435 min Scan# 1952
 Delta R.T. 0.029 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

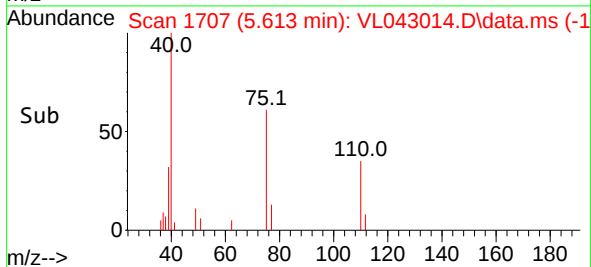
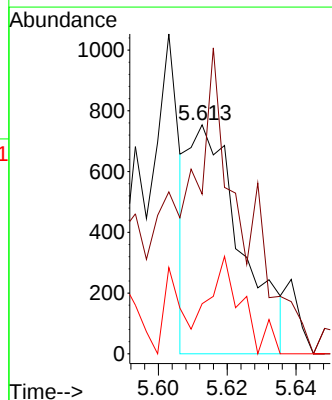
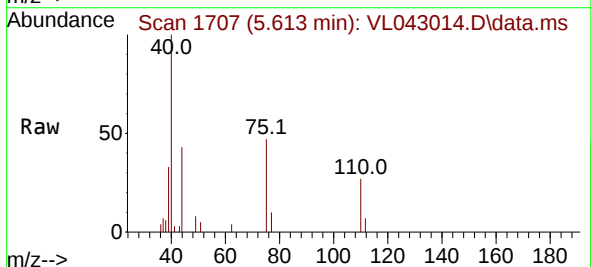
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

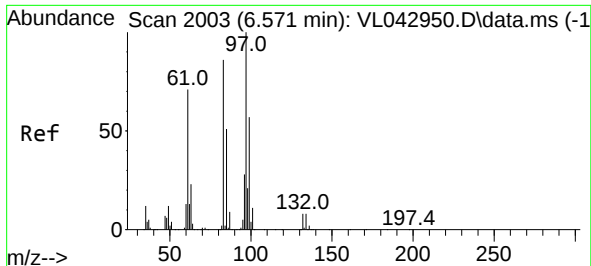
Tgt Ion: 75 Resp: 149
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.0 37.4



#46
 cis-1,3-Dichloropropene
 Concen: 0.035 ppbv
 RT: 5.613 min Scan# 1707
 Delta R.T. 0.023 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

Tgt Ion: 75 Resp: 794
 Ion Ratio Lower Upper
 75 100
 39 59.9 53.8 80.6
 77 29.3 23.6 35.4





#47

1,1,2-Trichloroethane

Concen: 0.054 ppbv

RT: 6.593 min Scan# 2003

Delta R.T. 0.023 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

Tgt Ion: 97 Resp: 869

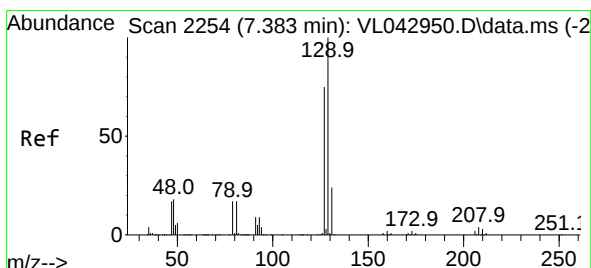
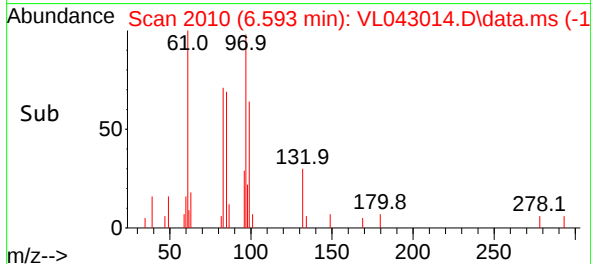
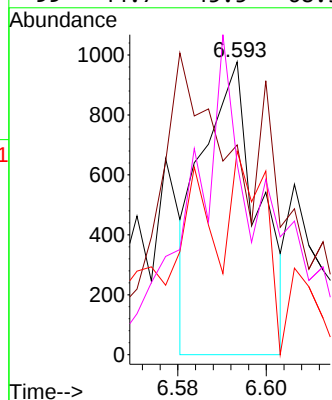
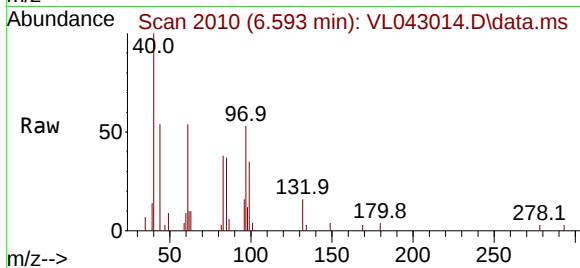
Ion Ratio Lower Upper

97 100

83 43.0 68.7 103.1#

85 106.3 40.6 60.8#

99 44.7 45.5 68.3#



#48

Dibromochloromethane

Concen: 0.100 ppbv

RT: 7.396 min Scan# 2258

Delta R.T. 0.013 min

Lab File: VL043014.D

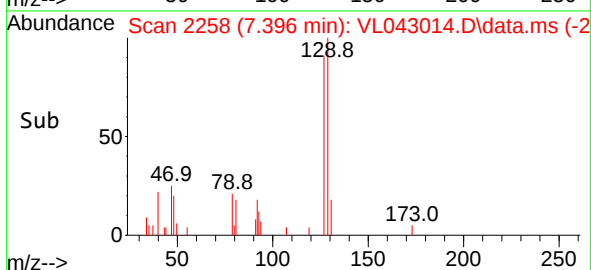
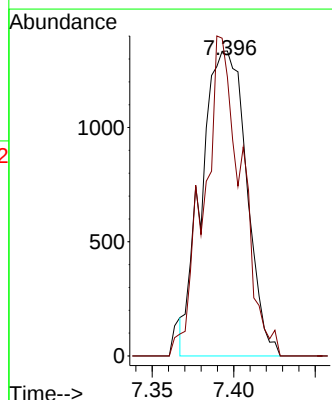
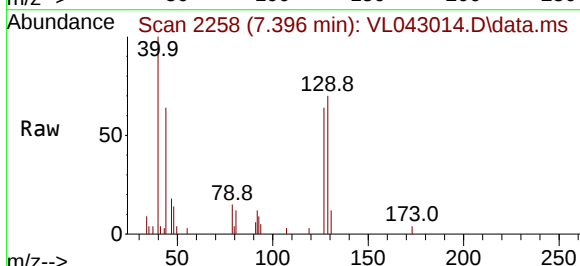
Acq: 24 Sep 2025 17:59

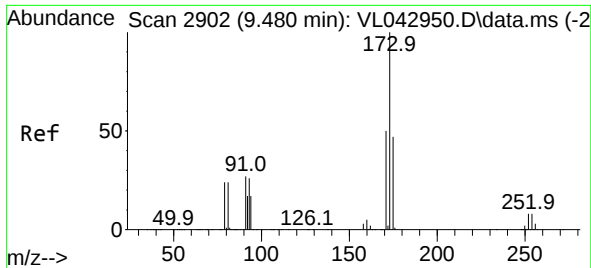
Tgt Ion: 129 Resp: 2551

Ion Ratio Lower Upper

129 100

127 88.5 39.1 117.2





#49

Bromoform

Concen: 0.095 ppbv

RT: 9.490 min Scan# 2902

Delta R.T. 0.010 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

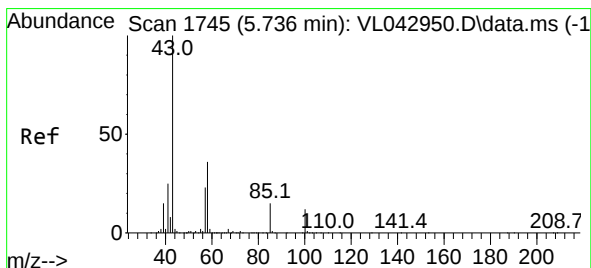
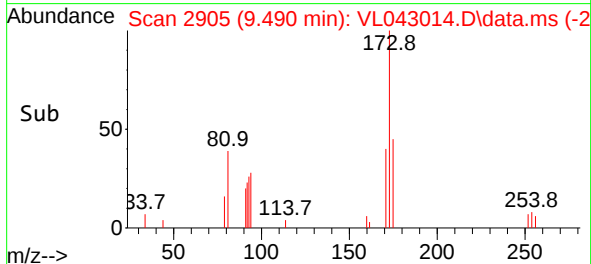
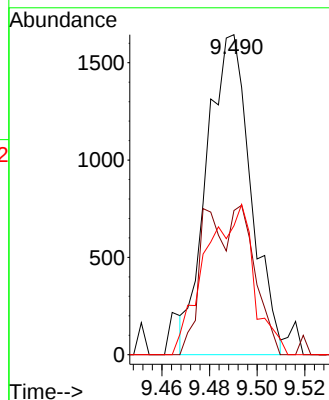
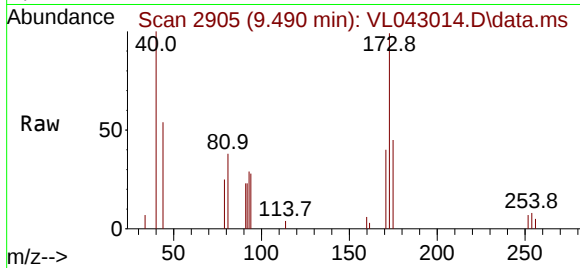
Tgt Ion:173 Resp: 2111

Ion Ratio Lower Upper

173 100

175 53.8 37.9 56.9

171 51.6 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 0.002 ppbv

RT: 5.755 min Scan# 1751

Delta R.T. 0.019 min

Lab File: VL043014.D

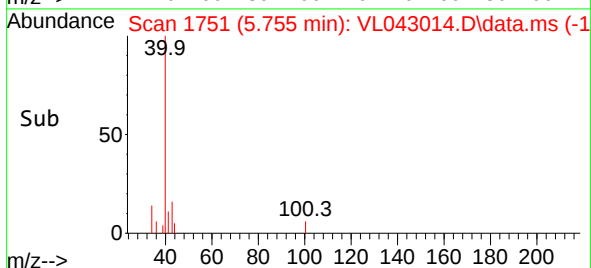
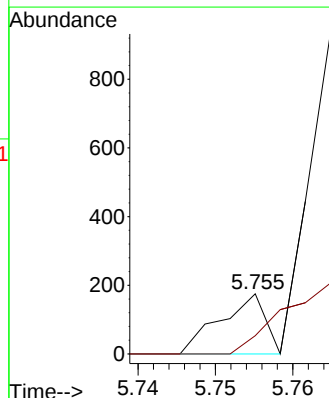
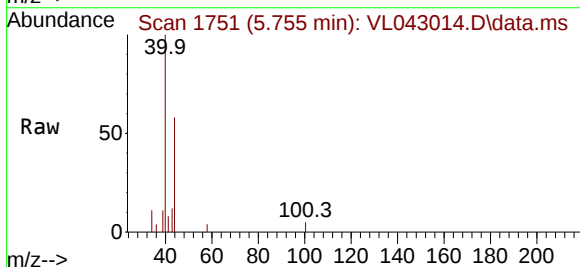
Acq: 24 Sep 2025 17:59

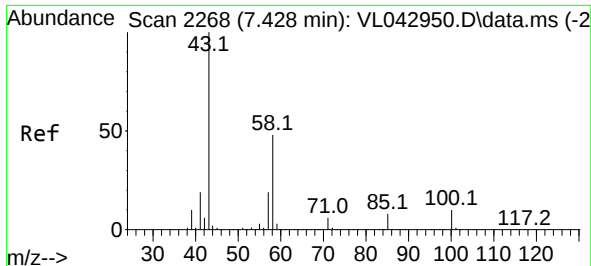
Tgt Ion: 43 Resp: 71

Ion Ratio Lower Upper

43 100

58 0.0 28.4 42.6#

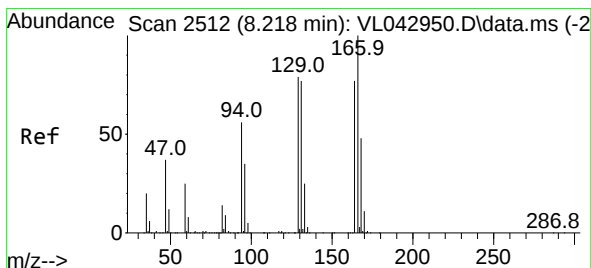
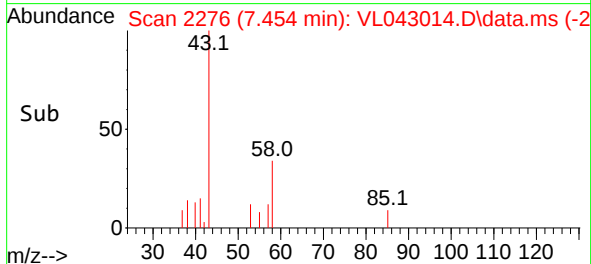
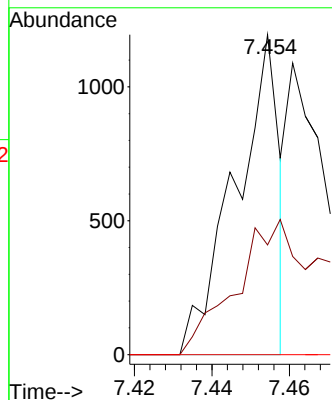
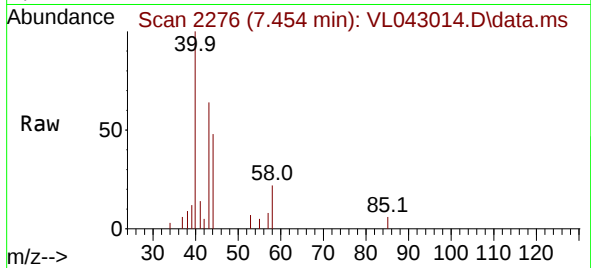




#51
2-Hexanone
Concen: 0.029 ppbv
RT: 7.454 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

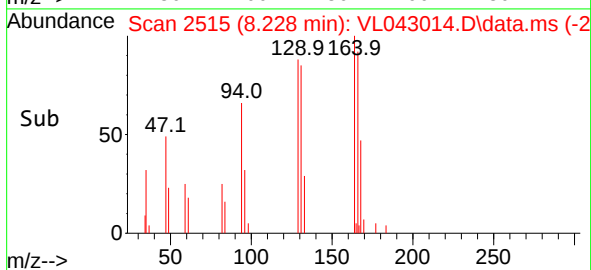
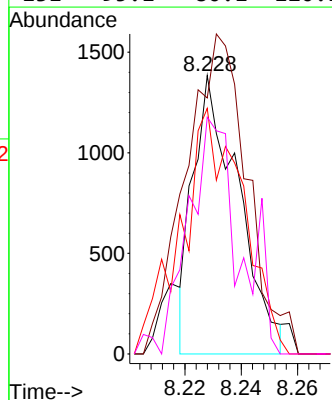
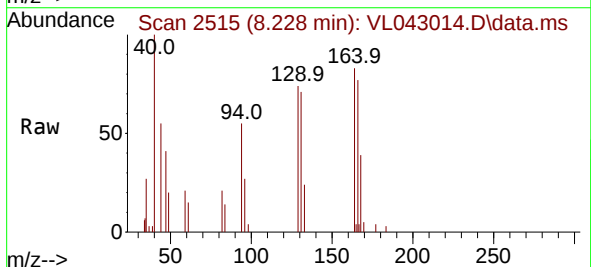
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

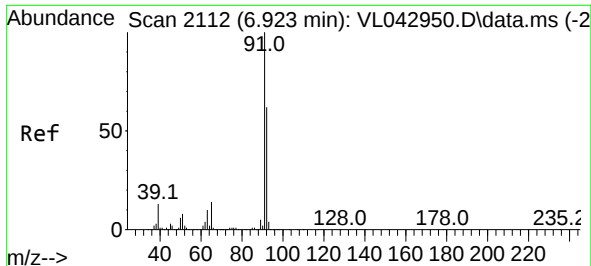
Tgt Ion: 43 Resp: 942
Ion Ratio Lower Upper
43 100
58 0.0 39.7 59.5#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.096 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.010 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 164 Resp: 1542
Ion Ratio Lower Upper
164 100
166 92.2 103.5 155.3#
129 93.0 82.2 123.4
131 95.1 80.1 120.1

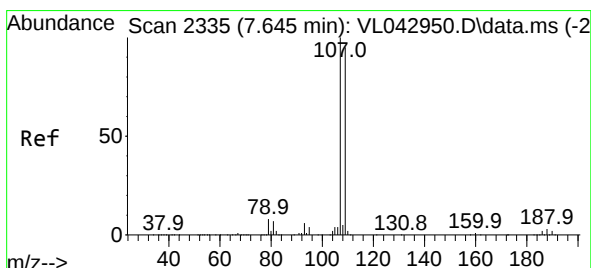
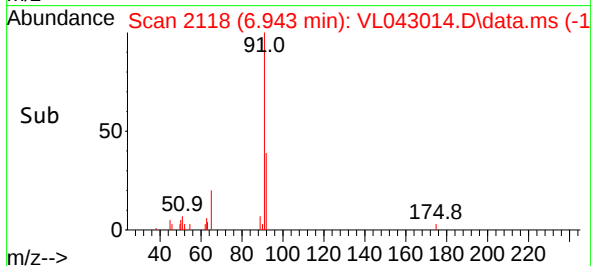
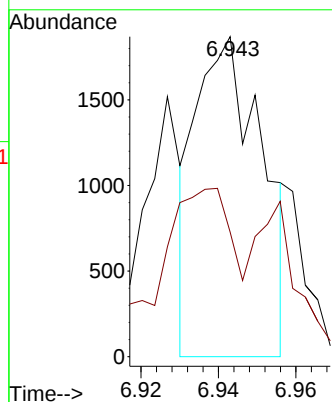
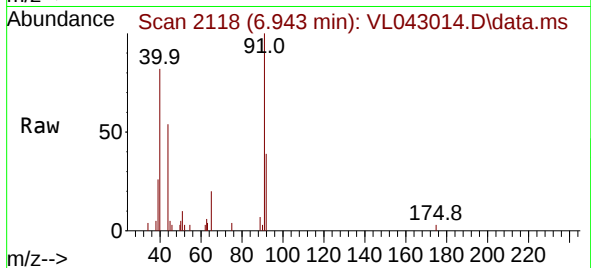




#53
Toluene
Concen: 0.045 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. 0.019 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

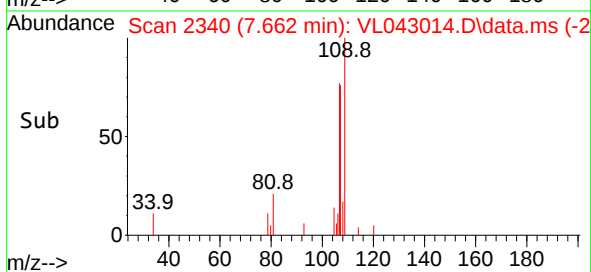
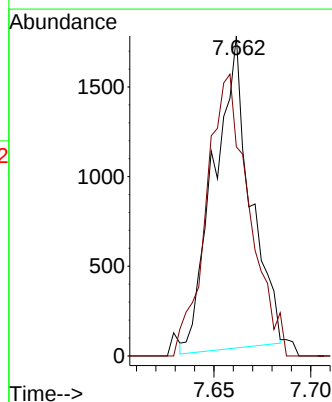
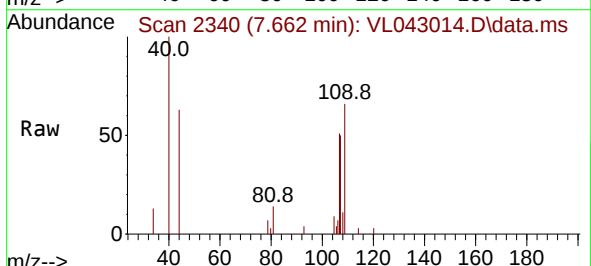
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

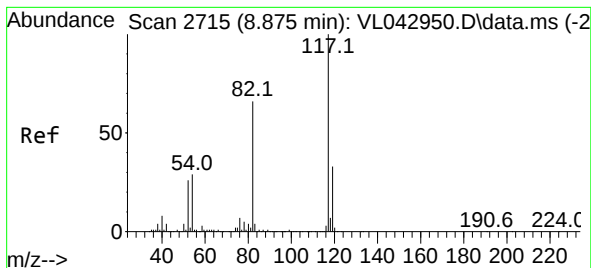
Tgt Ion: 91 Resp: 2218
Ion Ratio Lower Upper
91 100
92 89.9 48.2 72.2#



#54
1,2-Dibromoethane
Concen: 0.102 ppbv
RT: 7.662 min Scan# 2340
Delta R.T. 0.016 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 107 Resp: 2282
Ion Ratio Lower Upper
107 100
109 59.3 75.8 113.8#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

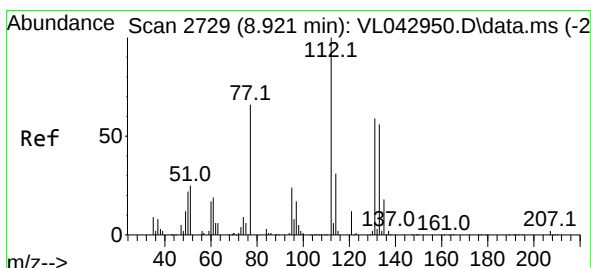
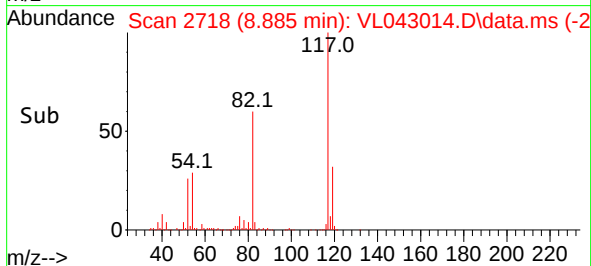
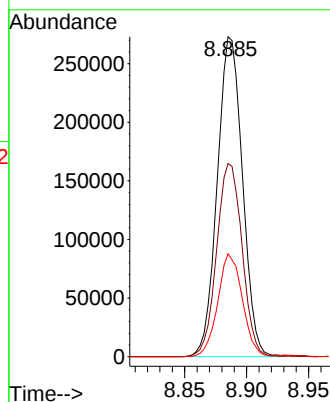
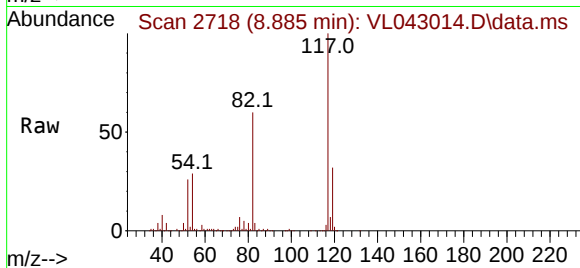
Tgt Ion:117 Resp: 387422

Ion Ratio Lower Upper

117 100

82 61.0 52.8 79.2

119 31.8 26.5 39.7



#56

1,1,1,2-Tetrachloroethane

Concen: 0.134 ppbv

RT: 8.930 min Scan# 2732

Delta R.T. 0.010 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

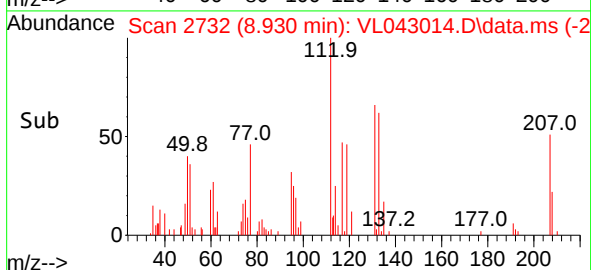
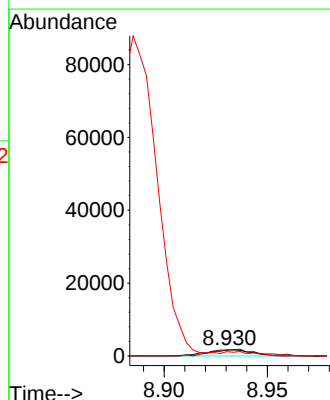
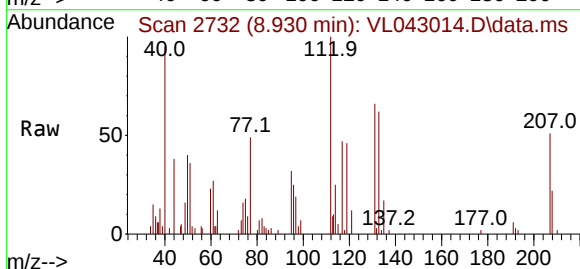
Tgt Ion:131 Resp: 2489

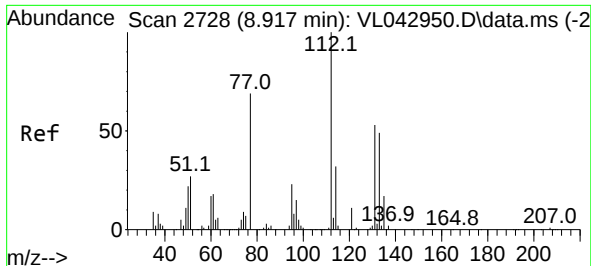
Ion Ratio Lower Upper

131 100

133 116.4 76.6 114.8#

119 4945.3 49.9 74.9#





#57
Chlorobenzene
Concen: 0.111 ppbv
RT: 8.924 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

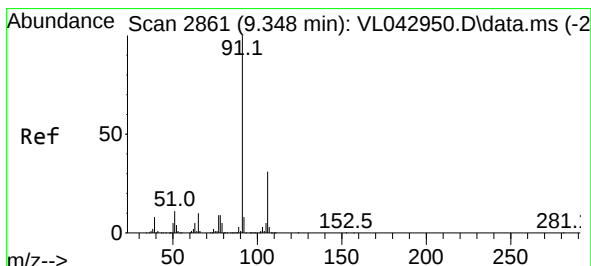
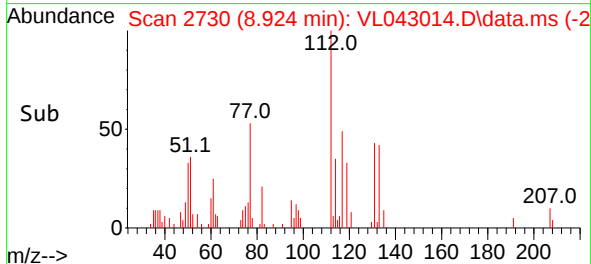
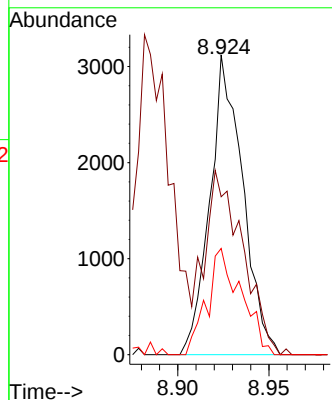
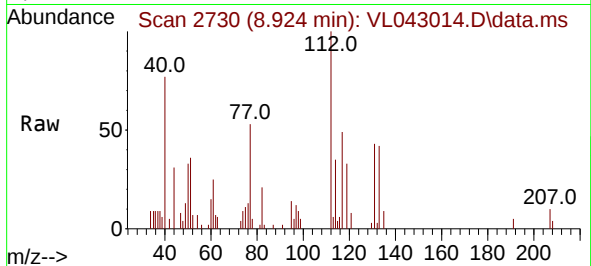
Instrument :

MSVOA_L

ClientSampleId :

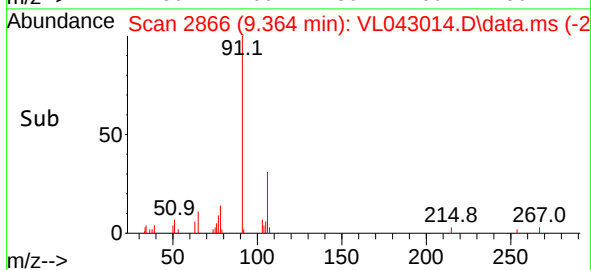
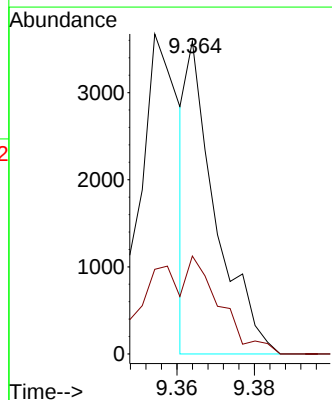
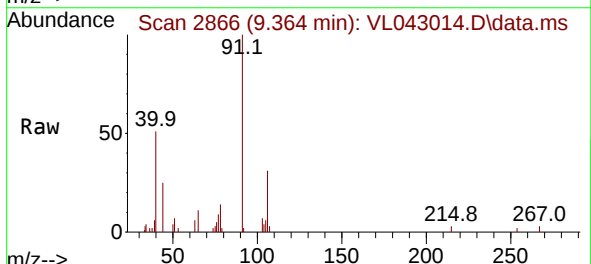
MDL-AIR-03-QT3-2025

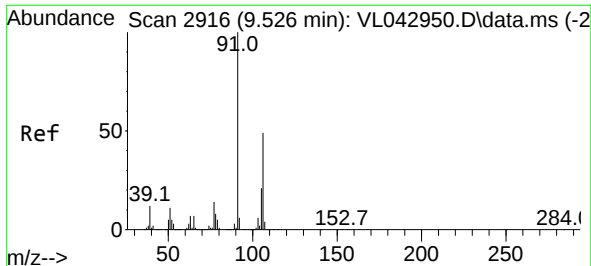
Tgt Ion:112 Resp: 3912
Ion Ratio Lower Upper
112 100
77 52.7 55.7 83.5#
114 35.4 28.6 35.0#



#58
Ethyl Benzene
Concen: 0.029 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.016 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 91 Resp: 1848
Ion Ratio Lower Upper
91 100
106 31.3 24.6 37.0





#59

m/p-Xylene

Concen: 0.066 ppbv

RT: 9.539 min Scan# 2916

Delta R.T. 0.013 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

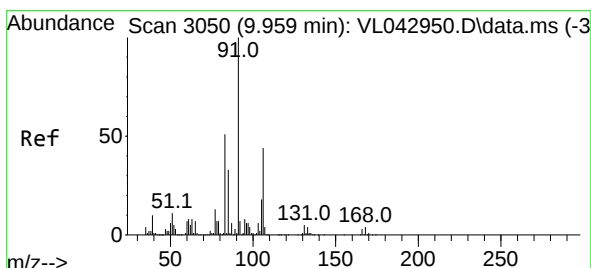
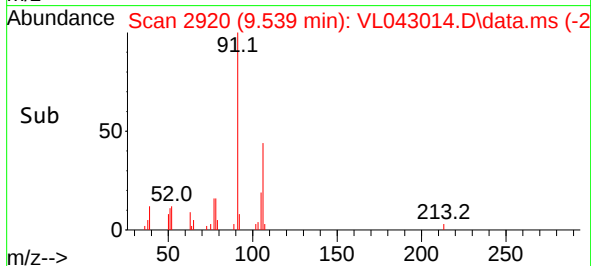
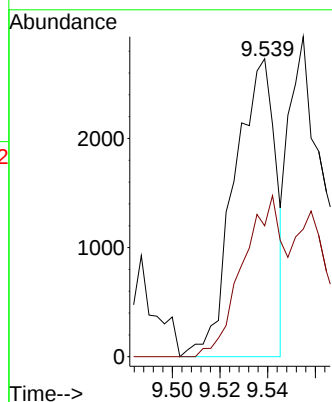
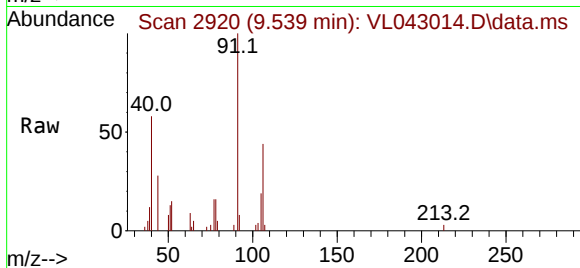
MDL-AIR-03-QT3-2025

Tgt Ion: 91 Resp: 3288

Ion Ratio Lower Upper

91 100

106 92.7 0.0 0.0#



#60

o-Xylene

Concen: 0.069 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.010 min

Lab File: VL043014.D

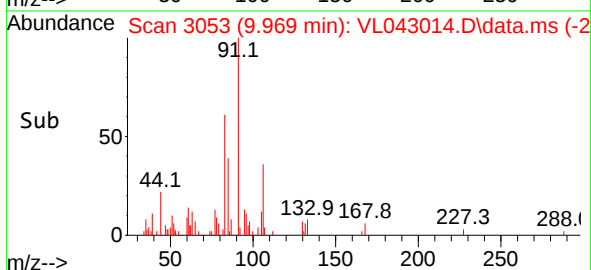
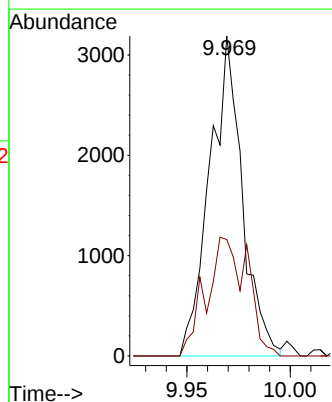
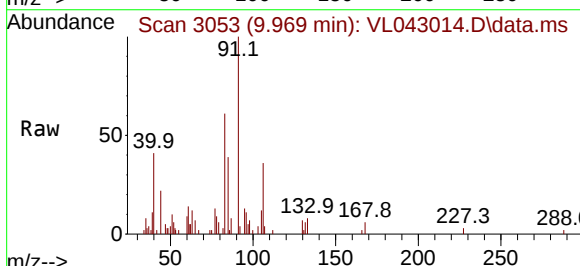
Acq: 24 Sep 2025 17:59

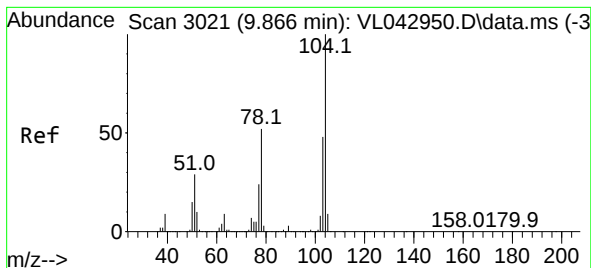
Tgt Ion: 91 Resp: 3483

Ion Ratio Lower Upper

91 100

106 46.9 22.4 67.0





#61

Styrene

Concen: 0.057 ppbv

RT: 9.879 min Scan# 3021

Delta R.T. 0.013 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

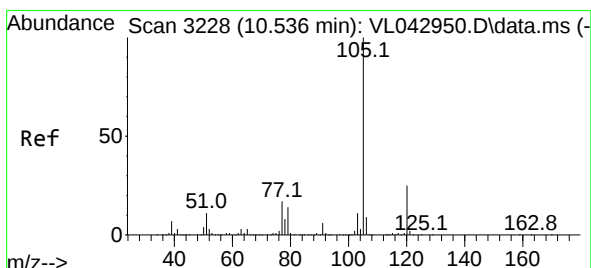
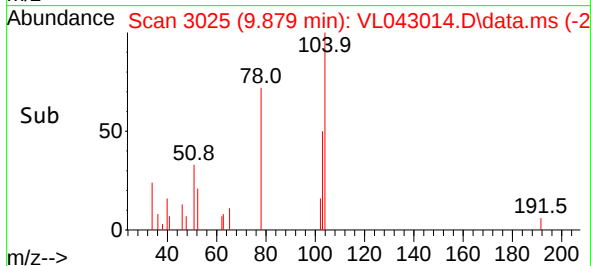
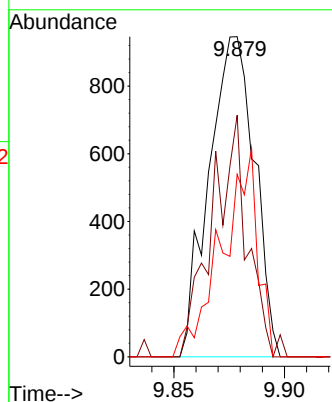
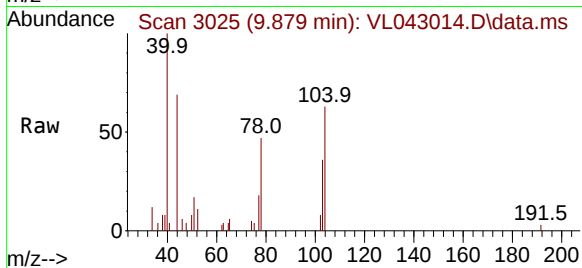
Tgt Ion:104 Resp: 1357

Ion Ratio Lower Upper

104 100

78 58.7 39.9 59.9

103 50.8 36.9 55.3



#62

Isopropylbenzene

Concen: 0.080 ppbv

RT: 10.539 min Scan# 3229

Delta R.T. 0.003 min

Lab File: VL043014.D

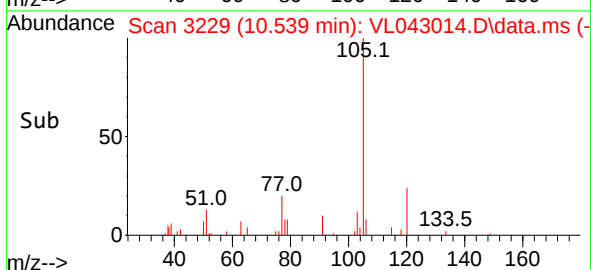
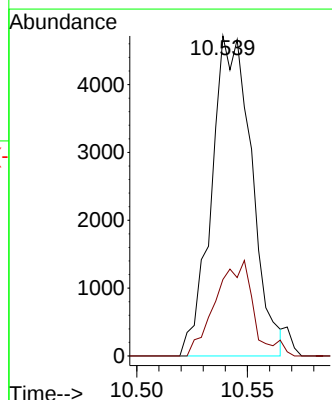
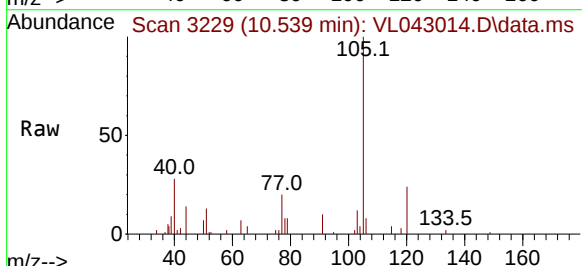
Acq: 24 Sep 2025 17:59

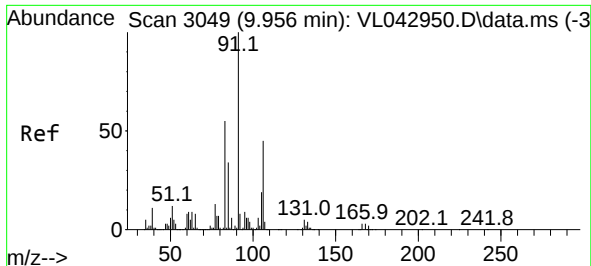
Tgt Ion:105 Resp: 5958

Ion Ratio Lower Upper

105 100

120 28.1 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.103 ppbv

RT: 9.969 min Scan# 3049

Delta R.T. 0.013 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

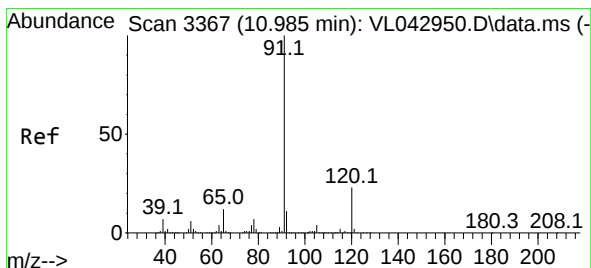
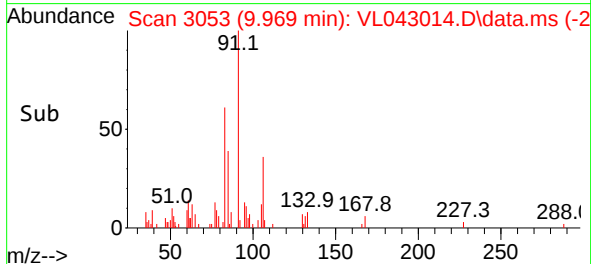
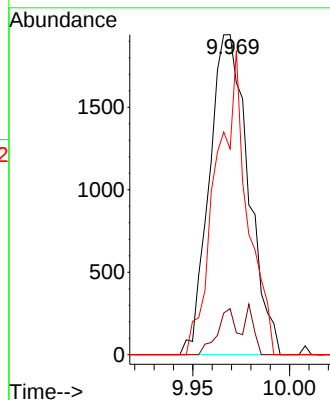
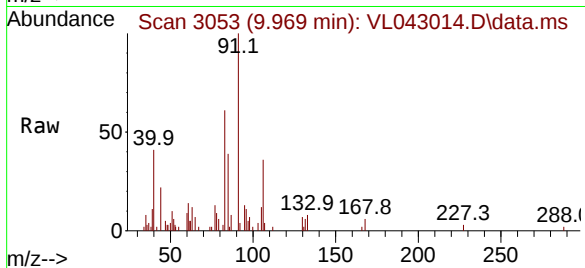
Tgt Ion: 83 Resp: 2721

Ion Ratio Lower Upper

83 100

131 10.5 4.8 14.4

85 76.1 32.2 96.6



#64

n-propylbenzene

Concen: 0.056 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.007 min

Lab File: VL043014.D

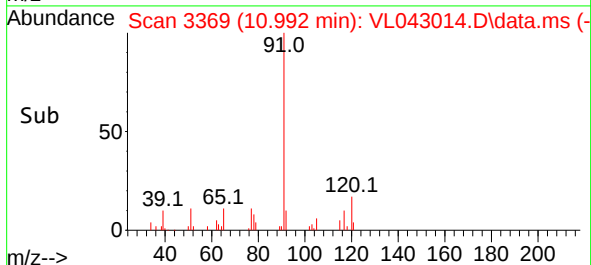
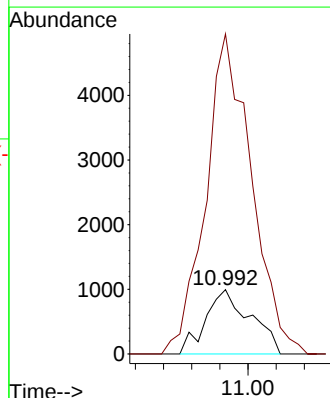
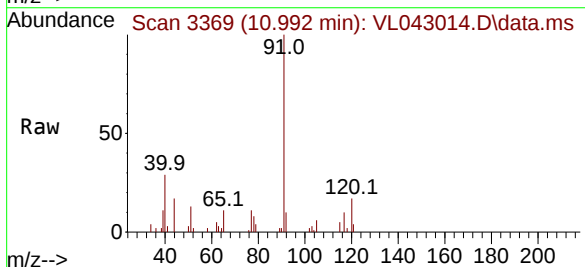
Acq: 24 Sep 2025 17:59

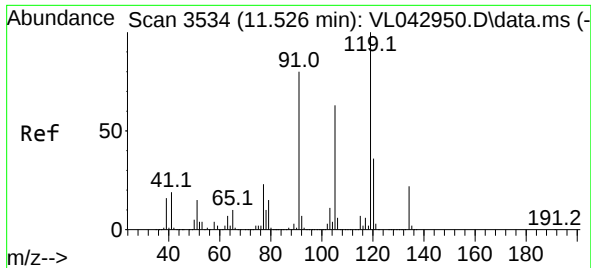
Tgt Ion: 120 Resp: 1099

Ion Ratio Lower Upper

120 100

91 507.8 364.9 547.3

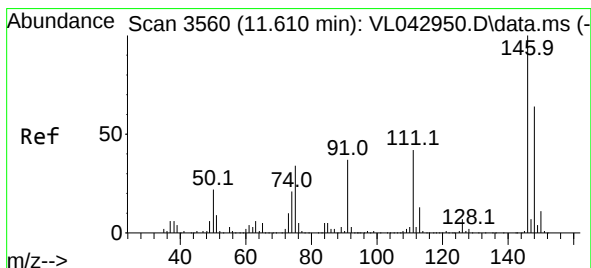
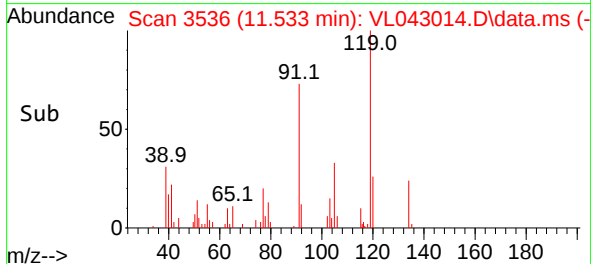
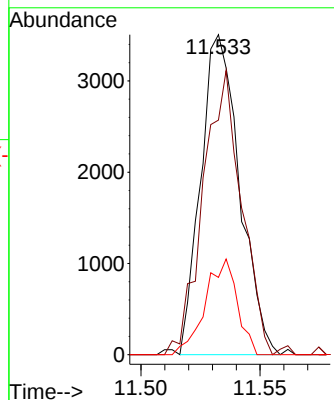
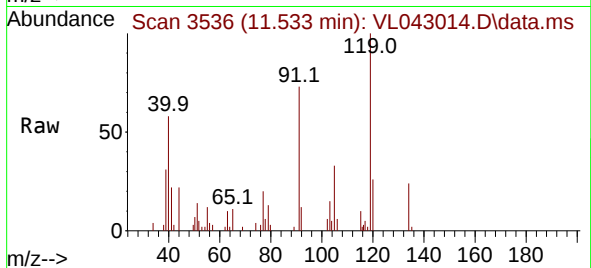




#65
tert-Butylbenzene
Concen: 0.060 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. 0.007 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

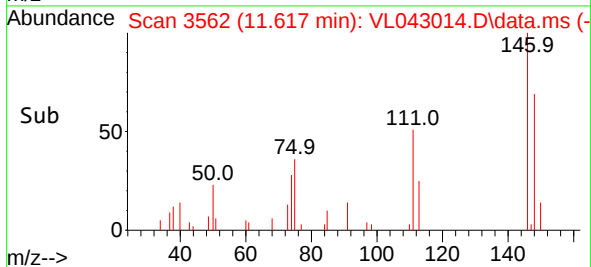
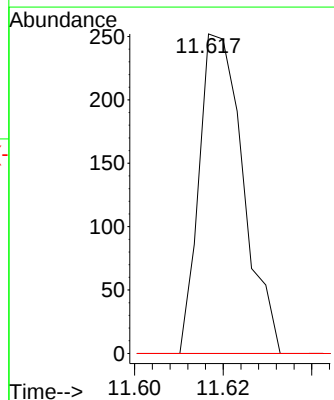
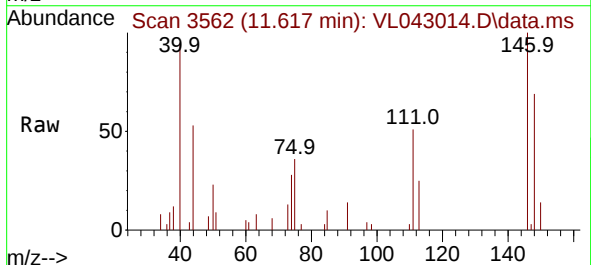
Instrument :
MSVOA_1
ClientSampleId :
MDL-AIR-03-QT3-2025

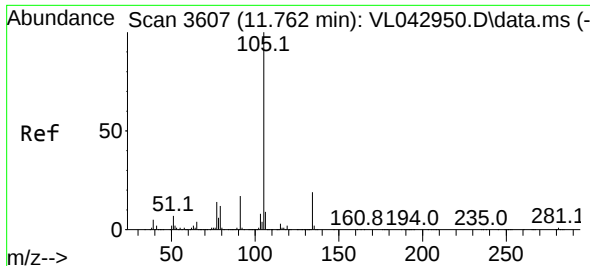
Tgt Ion:	119	Resp:	3976
Ion	Ratio	Lower	Upper
119	100		
91	89.0	63.1	94.7
134	24.6	17.0	25.6



#66
Benzyl Chloride
Concen: 0.025 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.007 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion:	91	Resp:	174
Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.6	21.8#
128	0.0	5.0	7.4#

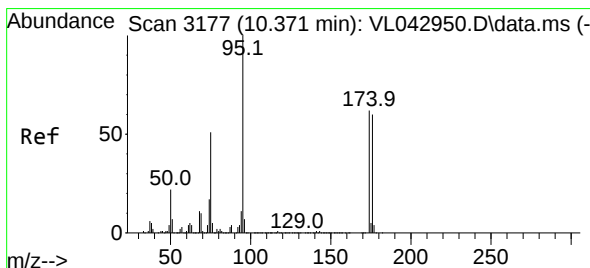
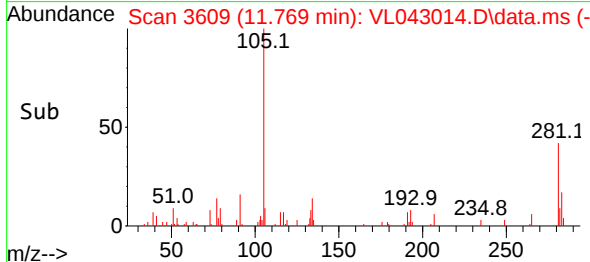
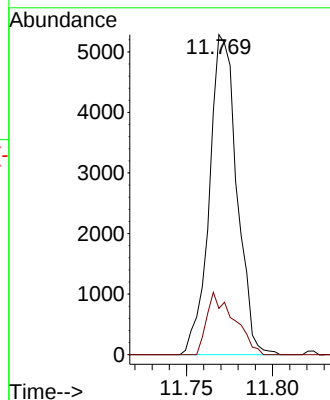
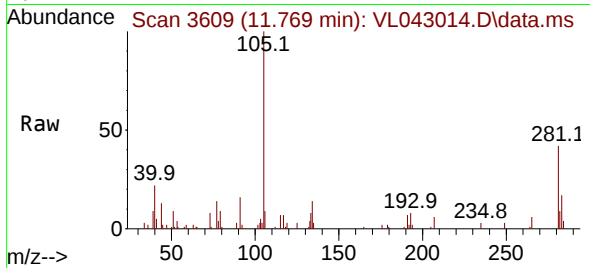




#67
 sec-Butylbenzene
 Concen: 0.064 ppbv
 RT: 11.769 min Scan# 3180
 Delta R.T. 0.007 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

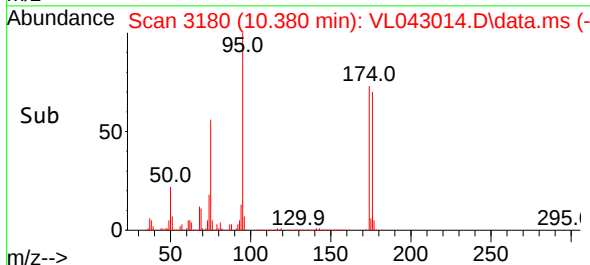
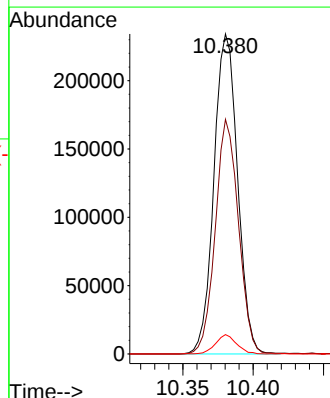
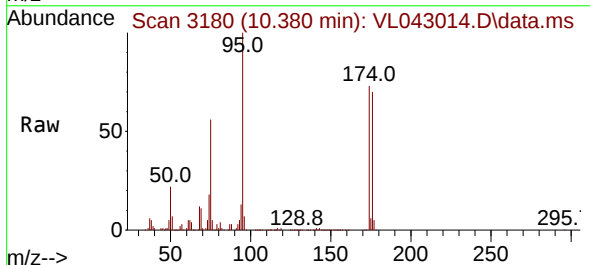
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

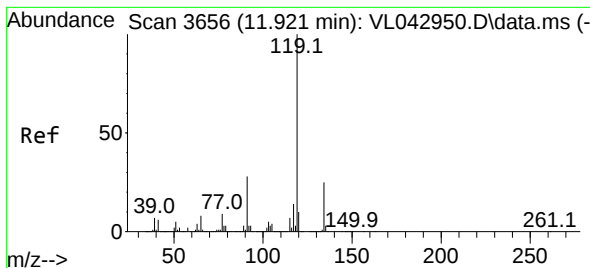
Tgt Ion:105 Resp: 5889
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.491 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.010 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

Tgt Ion: 95 Resp: 274470
 Ion Ratio Lower Upper
 95 100
 174 72.2 51.4 77.2
 175 5.4 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.052 ppbv

RT: 11.927 min Scan# 30

Delta R.T. 0.007 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

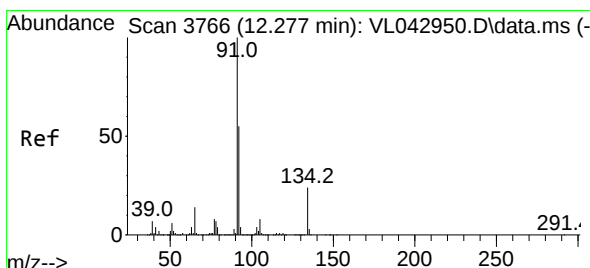
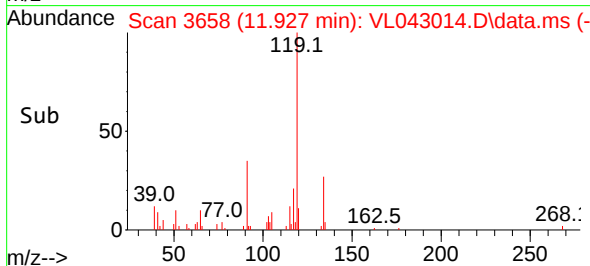
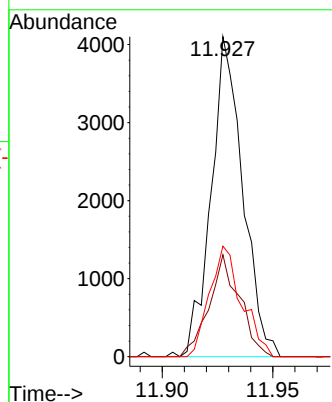
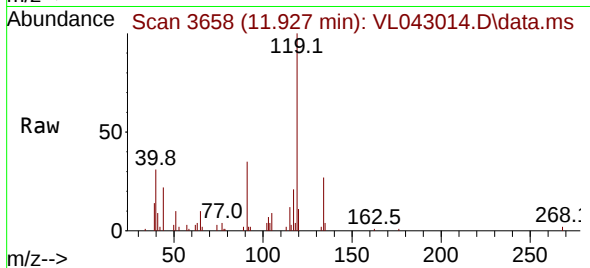
Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

Tgt Ion:	119	Resp:	4065
Ion	Ratio	Lower	Upper
119	100		
134	30.8	21.0	31.4
91	35.3	22.3	33.5#



#70

n-Butylbenzene

Concen: 0.048 ppbv

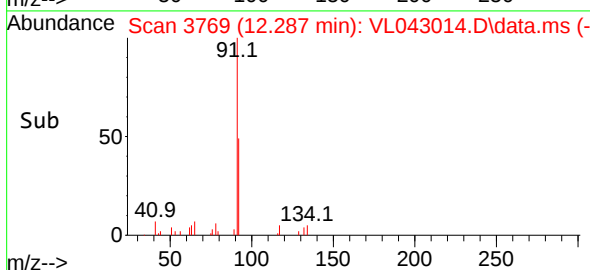
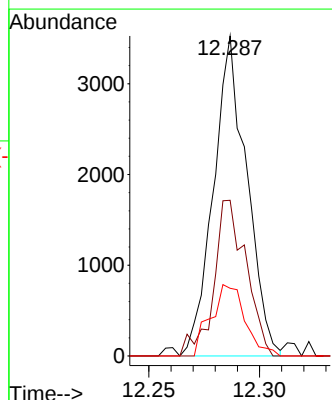
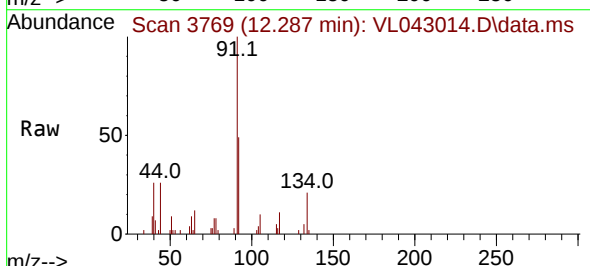
RT: 12.287 min Scan# 3769

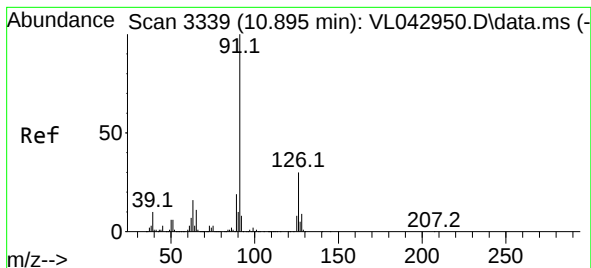
Delta R.T. 0.010 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Tgt Ion:	91	Resp:	3692
Ion	Ratio	Lower	Upper
91	100		
92	47.0	44.0	66.0
134	22.9	19.4	29.2





#71

2-Chlorotoluene

Concen: 0.063 ppbv

RT: 10.905 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

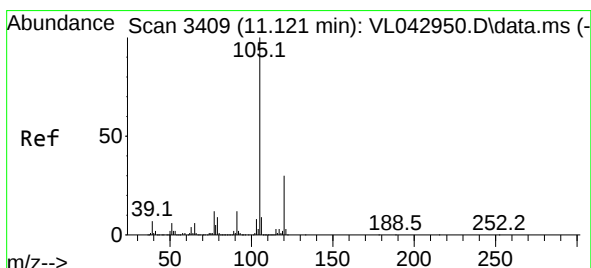
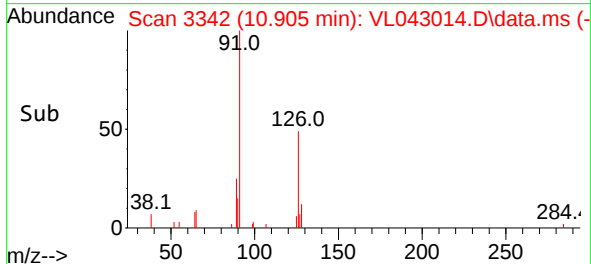
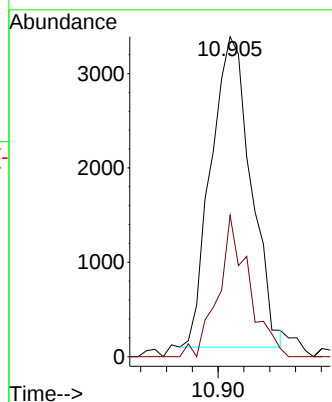
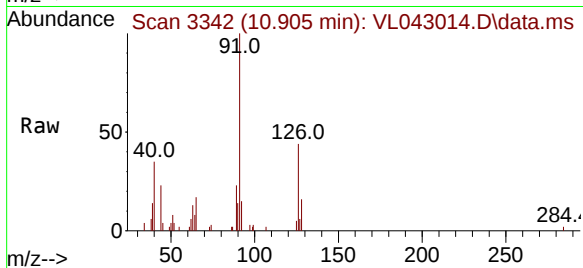
MDL-AIR-03-QT3-2025

Tgt Ion: 91 Resp: 3554

Ion Ratio Lower Upper

91 100

126 34.7 12.3 49.3



#72

4-Ethyltoluene

Concen: 0.060 ppbv

RT: 11.131 min Scan# 3412

Delta R.T. 0.010 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Tgt Ion: 105 Resp: 3774

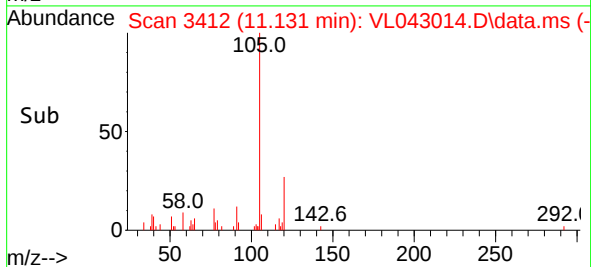
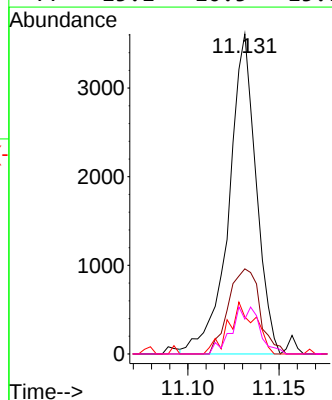
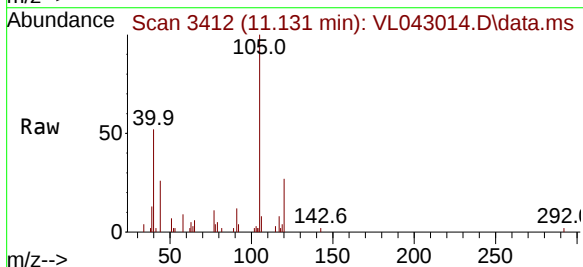
Ion Ratio Lower Upper

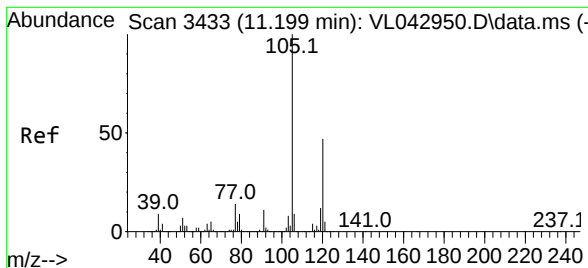
105 100

120 30.5 24.2 36.2

91 15.9 10.0 15.0#

77 15.1 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 0.059 ppbv

RT: 11.206 min Scan# 3435

Delta R.T. 0.007 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

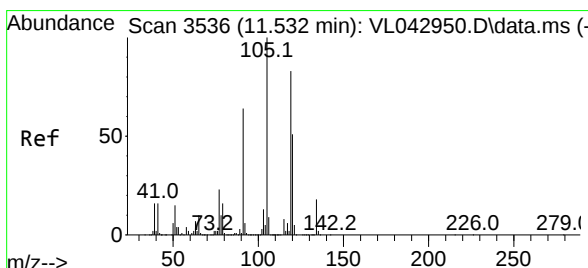
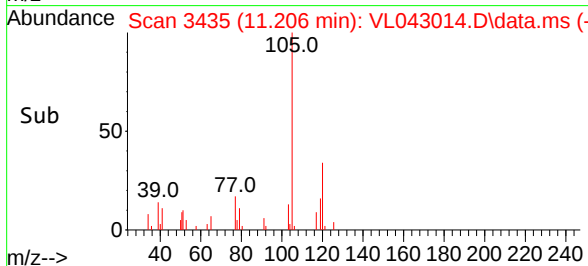
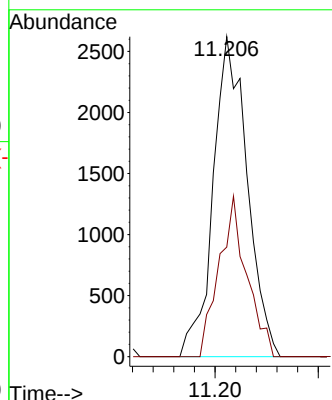
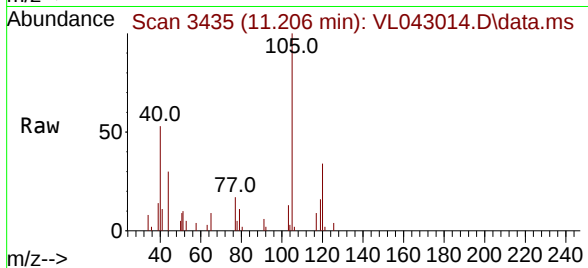
MDL-AIR-03-QT3-2025

Tgt Ion:105 Resp: 2997

Ion Ratio Lower Upper

105 100

120 34.3 38.0 57.0#



#74

1,2,4-Trimethylbenzene

Concen: 0.048 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.007 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Tgt Ion:105 Resp: 2708

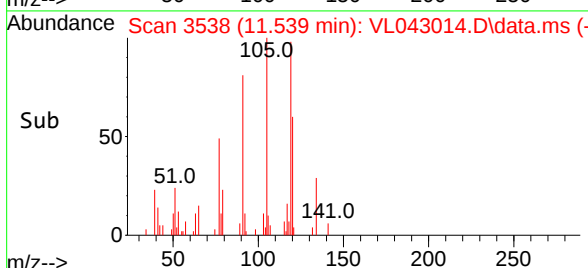
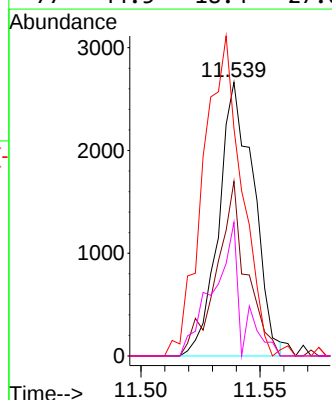
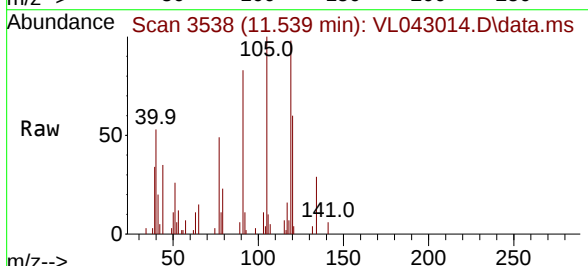
Ion Ratio Lower Upper

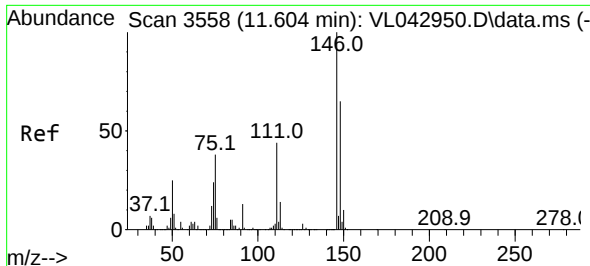
105 100

120 58.1 40.9 61.3

91 73.7 51.2 76.8

77 44.5 18.4 27.6#

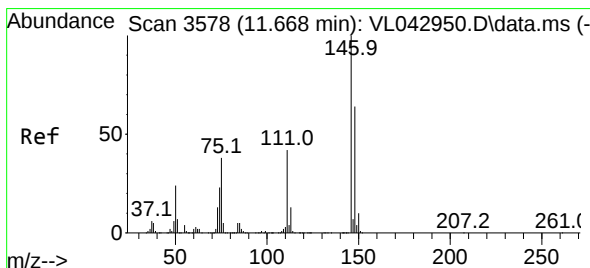
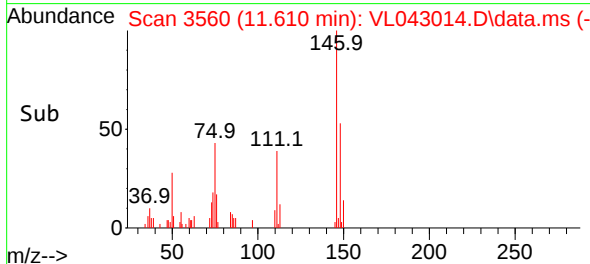
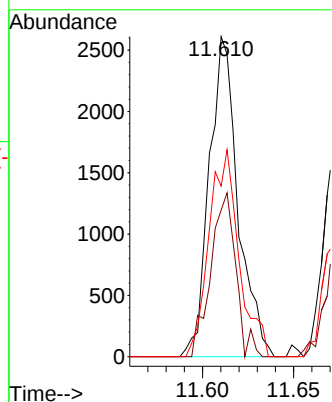
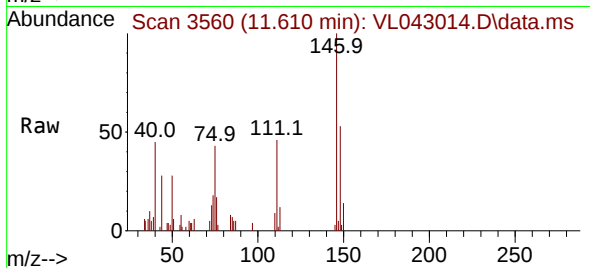




#75
1,3-Dichlorobenzene
Concen: 0.082 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.007 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

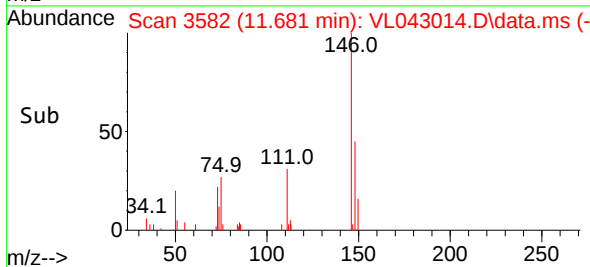
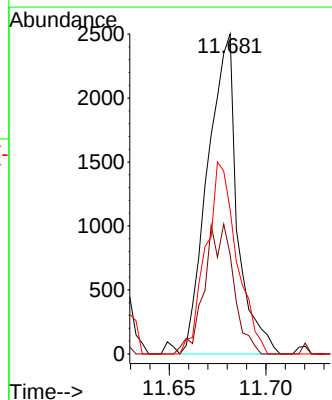
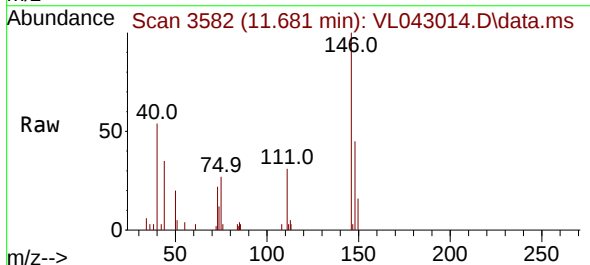
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

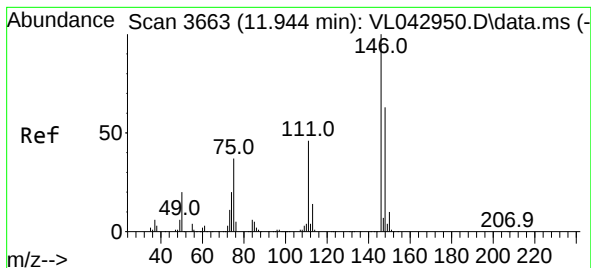
Tgt Ion:146	Resp:	2870	
Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.3	66.9
148	67.0	31.9	95.5



#76
1,4-Dichlorobenzene
Concen: 0.077 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. 0.013 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion:146	Resp:	2665	
Ion	Ratio	Lower	Upper
146	100		
111	39.8	21.5	64.5
148	62.4	31.9	95.5





#77

1,2-Dichlorobenzene

Concen: 0.090 ppbv

RT: 11.950 min Scan# 3665

Delta R.T. 0.007 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

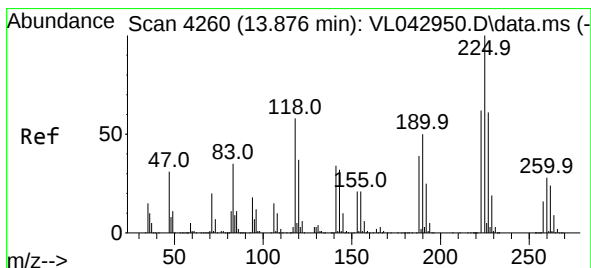
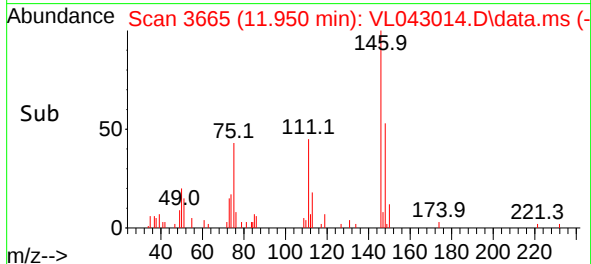
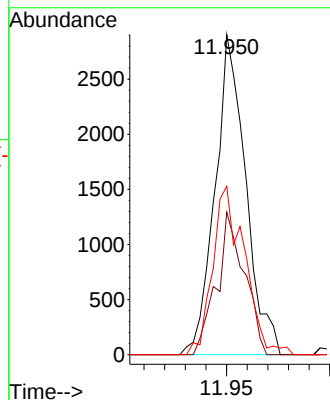
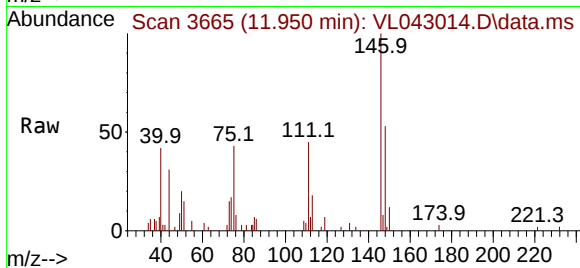
Tgt Ion:146 Resp: 2997

Ion Ratio Lower Upper

146 100

111 40.4 23.1 69.3

148 54.8 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 0.150 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. 0.007 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

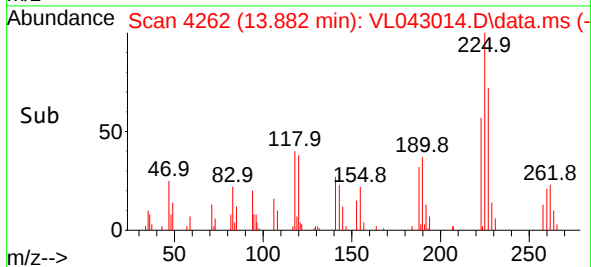
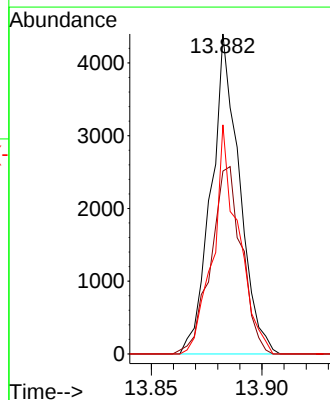
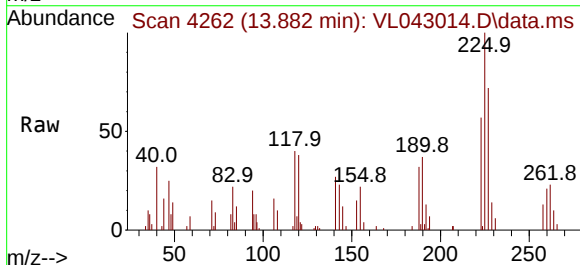
Tgt Ion:225 Resp: 3895

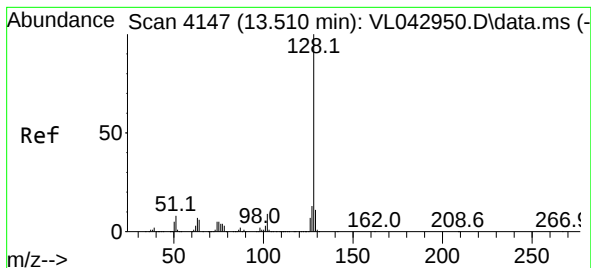
Ion Ratio Lower Upper

225 100

223 64.2 50.1 75.1

227 64.1 50.4 75.6





#79

Naphthalene

Concen: 0.025 ppbv

RT: 13.520 min Scan# 4147

Delta R.T. 0.010 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

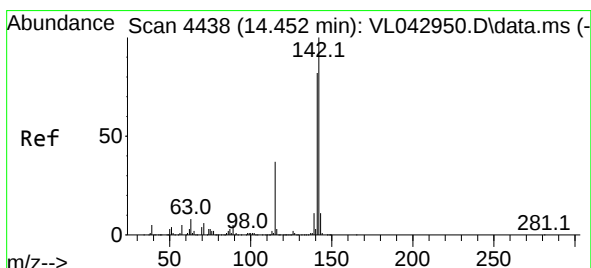
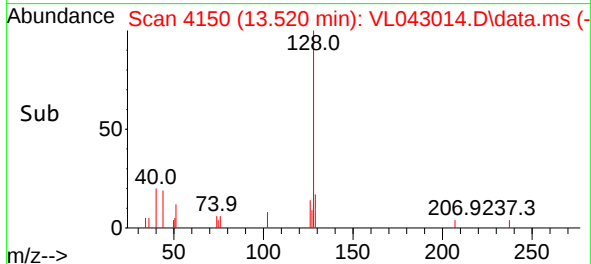
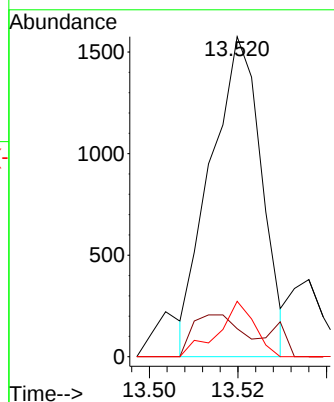
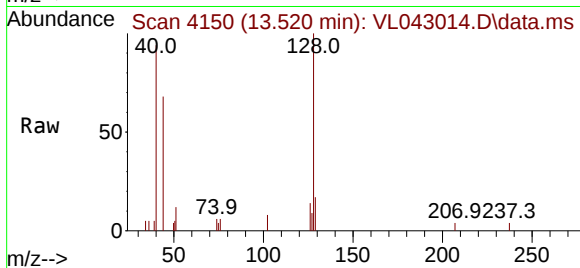
Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

Tgt Ion:	128	Resp:	1264
Ion Ratio	Lower	Upper	
128	100		
127	9.9	10.6	15.8#
129	19.5	9.0	13.6#



#80

Naphthalene, 2-methyl-

Concen: 0.044 ppbv

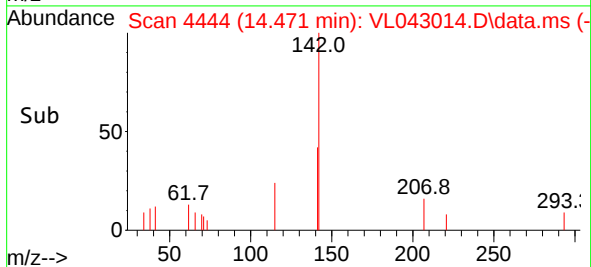
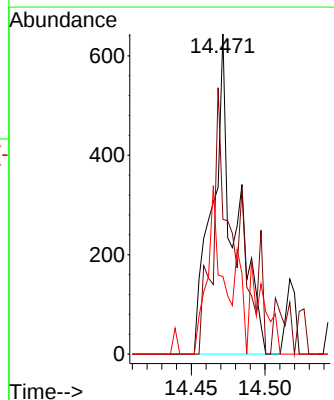
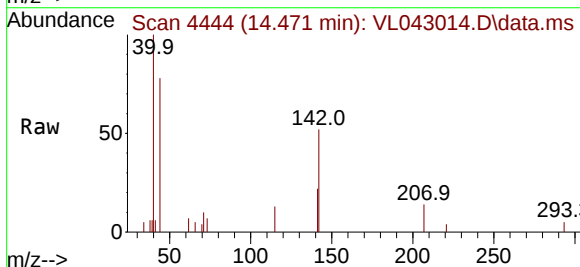
RT: 14.471 min Scan# 4444

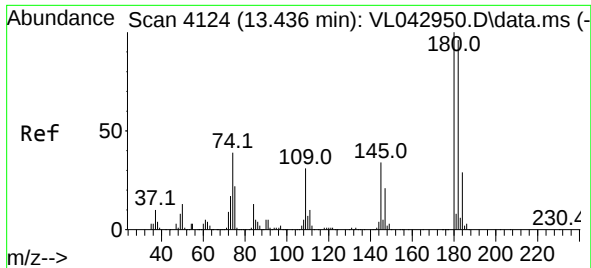
Delta R.T. 0.019 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

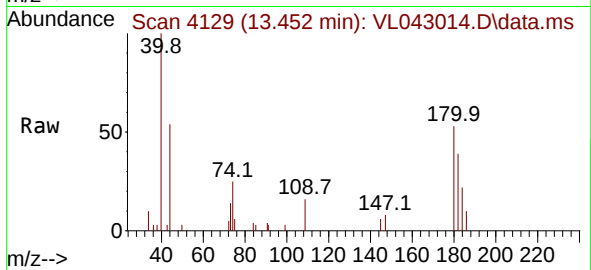
Tgt Ion:	142	Resp:	682
Ion Ratio	Lower	Upper	
142	100		
141	97.1	65.1	97.7
115	63.8	28.9	43.3#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.010 ppbv
 RT: 13.452 min Scan# 41
 Delta R.T. 0.016 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025



Tgt Ion:180 Resp: 256
 Ion Ratio Lower Upper
 180 100
 182 0.0 75.7 113.5#
 184 0.0 23.9 35.9#

