

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

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

Quant Time: Nov 12 00:18:12 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 11/13/2025
 Supervised By : Mahesh Dadoda 11/13/2025

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

Internal Standards						
1) Bromochloromethane	2.797	49	141468	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	389227	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.895	117	328404	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	250615	9.818	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.505	85	10416	0.518	ppbv	97
3) Chlorodifluoromethane	1.483	51	10604	0.487	ppbv	100
4) Chloromethane	1.538	50	3431	0.431	ppbv #	86
5) Vinyl Chloride	1.586	62	3617	0.463	ppbv	94
6) Bromomethane	1.677	94	2444	0.570	ppbv #	80
7) Chloroethane	1.709	64	1395	0.437	ppbv	100
8) Dichlorotetrafluoroethane	1.561	85	8052	0.495	ppbv	92
9) Propene	1.489	41	3680	0.381	ppbv	91
10) Heptane	4.998	43	8901m	0.320	ppbv	
11) Trichlorofluoromethane	1.884	101	10837	0.551	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.146	101	7939	0.501	ppbv	96
13) Ethanol	1.729	45	1763	0.494	ppbv	82
14) Bromoethene	1.787	108	2824	0.480	ppbv #	93
15) Acetone	1.842	43	11469	0.601	ppbv	94
16) 1,3-Butadiene	1.616	39	4122	0.454	ppbv	84
17) tert-Butyl alcohol	2.049	59	11410	0.436	ppbv #	93
18) 1,1-Dichloroethene	2.043	96	3488	0.505	ppbv #	76
19) Isopropyl Alcohol	1.894	45	6006	0.506	ppbv #	73
20) Methylene Chloride	2.069	84	4691	0.622	ppbv #	87
21) Allyl Chloride	2.104	41	5619	0.400	ppbv #	76
22) trans-1,2-Dichloroethene	2.350	96	4364m	0.529	ppbv	
23) Vinyl Acetate	2.473	43	14378	0.515	ppbv #	91
24) 1,1-Dichloroethane	2.418	63	7950	0.499	ppbv	95
25) Ethyl Acetate	2.849	43	20457	0.433	ppbv	99
26) Hexane	2.839	57	8240	0.378	ppbv	83
27) Carbon Disulfide	2.159	76	9164	0.459	ppbv #	23
28) Methyl tert-Butyl Ether	2.451	73	4135	0.417	ppbv	94
29) Chloroform	2.858	83	16090	0.510	ppbv	93
30) Cyclohexane	3.875	84	6302	0.331	ppbv	89
31) cis-1,2-Dichloroethene	2.732	61	9372	0.450	ppbv	97
32) 1,1,1-Trichloroethane	3.383	97	14207	0.432	ppbv	97
34) 2-Butanone	2.570	43	15299	0.585	ppbv	96
35) Carbon Tetrachloride	3.781	117	15190m	0.543	ppbv	
36) Benzene	3.668	78	17591	0.480	ppbv #	93
37) 1,2-Dichloroethane	3.231	62	11414	0.540	ppbv	100
38) Trichloroethene	4.561	130	7068m	0.462	ppbv	
39) 1,2-Dichloropropane	4.325	63	7463m	0.557	ppbv	
40) 1,4-Dioxane	4.622	88	2627m	0.438	ppbv	
41) Tetrahydrofuran	3.072	42	5635m	0.385	ppbv	
42) Bromodichloromethane	4.506	83	15418	0.527	ppbv	99
43) Methyl Methacrylate	4.904	69	6127	0.329	ppbv	98
44) 2,2,4-Trimethylpentane	4.661	57	25844	0.418	ppbv	93
45) t-1,3-Dichloropropene	6.445	75	6816m	0.365	ppbv	

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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025
 Supervised By :Mahesh Dadoda 11/13/2025

Quant Time: Nov 12 00:18:12 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	8315m	0.373	ppbv	
47) 1,1,2-Trichloroethane	6.603	97	7341	0.507	ppbv	88
48) Dibromochloromethane	7.399	129	11174m	0.462	ppbv	
49) Bromoform	9.493	173	9390	0.477	ppbv	98
50) 4-Methyl-2-Pentanone	5.788	43	14628m	0.405	ppbv	
51) 2-Hexanone	7.458	43	8181m	0.302	ppbv	
52) Tetrachloroethene	8.244	164	6056	0.458	ppbv	85
53) Toluene	6.950	91	14005	0.322	ppbv	96
54) 1,2-Dibromoethane	7.668	107	10167	0.448	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.937	131	12690	0.613	ppbv #	1
57) Chlorobenzene	8.937	112	16801	0.547	ppbv	95
58) Ethyl Benzene	9.367	91	18811	0.334	ppbv	98
59) m/p-Xylene	9.561	91	31086m	0.692	ppbv	
60) o-Xylene	9.976	91	15358	0.346	ppbv	99
61) Styrene	9.882	104	5112	0.255	ppbv	93
62) Isopropylbenzene	10.549	105	31255	0.390	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.973	83	15422	0.519	ppbv	97
64) n-propylbenzene	11.002	120	7494	0.353	ppbv	87
65) tert-Butylbenzene	11.542	119	25809	0.364	ppbv	98
66) Benzyl Chloride	11.630	91	2182	0.277	ppbv #	95
67) sec-Butylbenzene	11.779	105	38472	0.383	ppbv	98
69) p-Isopropyltoluene	11.937	119	27887	0.326	ppbv	98
70) n-Butylbenzene	12.290	91	25636	0.304	ppbv	96
71) 2-Chlorotoluene	10.911	91	22616	0.370	ppbv	98
72) 4-Ethyltoluene	11.134	105	18453	0.338	ppbv	95
73) 1,3,5-Trimethylbenzene	11.215	105	15118	0.336	ppbv	99
74) 1,2,4-Trimethylbenzene	11.546	105	18501	0.367	ppbv	94
75) 1,3-Dichlorobenzene	11.617	146	14616	0.500	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	13121	0.445	ppbv	99
77) 1,2-Dichlorobenzene	11.957	146	14597	0.516	ppbv	92
78) Hexachloro-1,3-Butadiene	13.892	225	12468	0.570	ppbv	100
79) Naphthalene	13.526	128	10968	0.208	ppbv	97
80) Naphthalene,2-methyl-	14.475	142	1343	0.098	ppbv #	88
81) 1,2,4-Trichlorobenzene	13.449	180	5202m	0.238	ppbv	

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

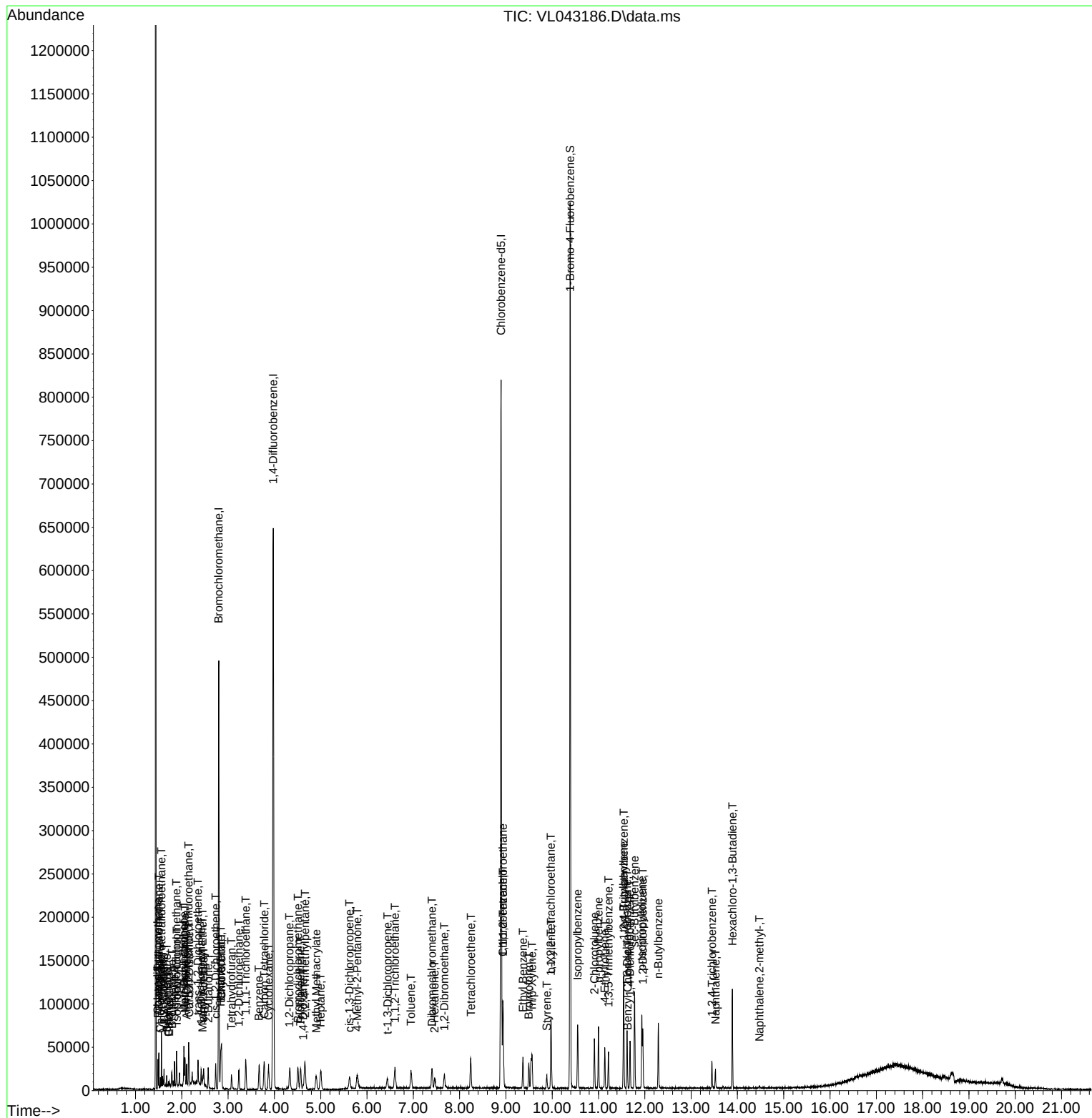
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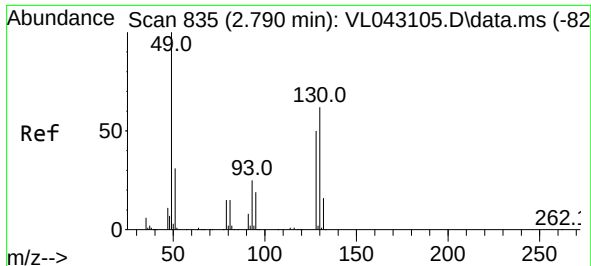
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

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QLast Update : Wed Oct 15 02:12:58 2025
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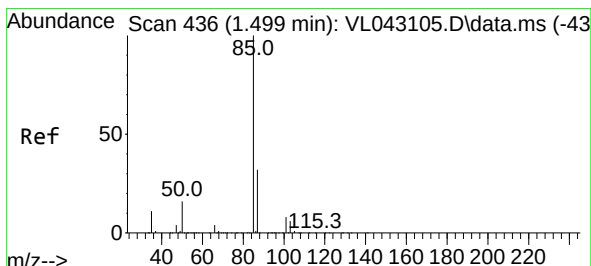
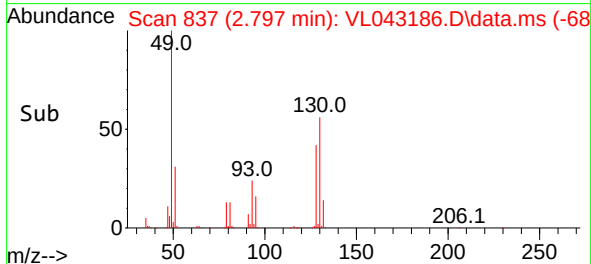
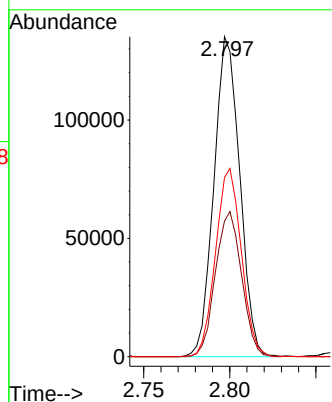
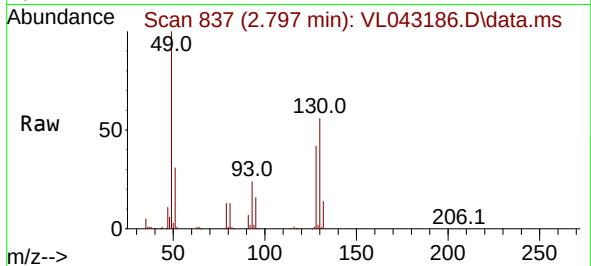
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

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

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

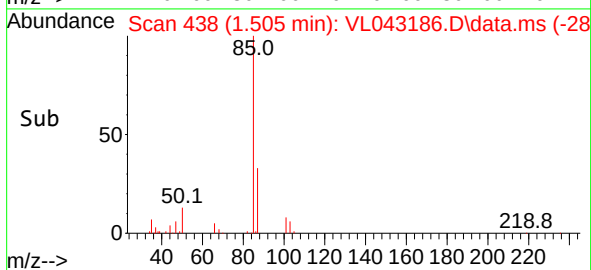
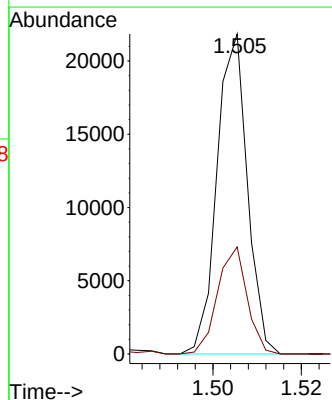
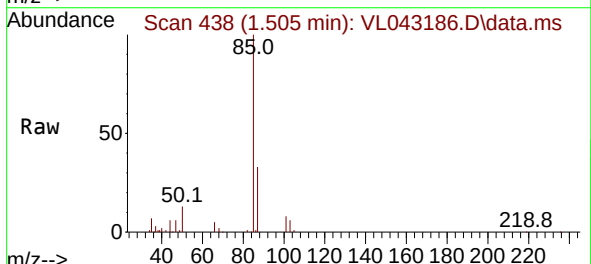
Manual Integrations
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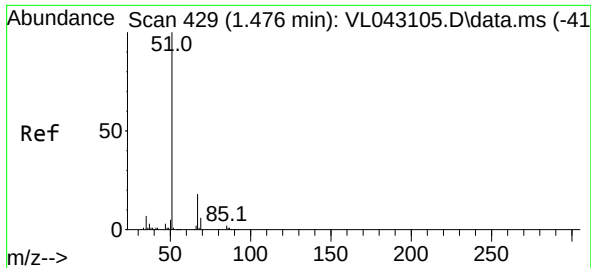
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



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

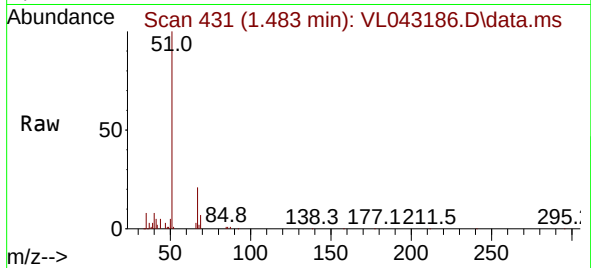
Tgt Ion: 85 Resp: 10416
Ion Ratio Lower Upper
85 100
87 33.5 25.3 37.9





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

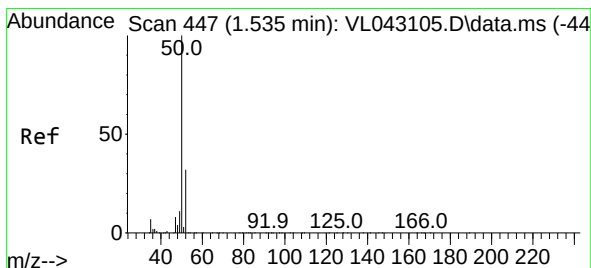
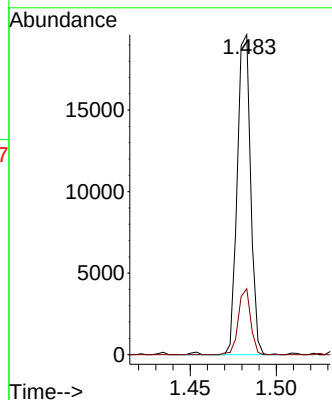
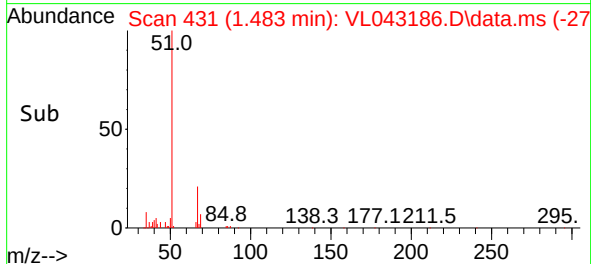
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



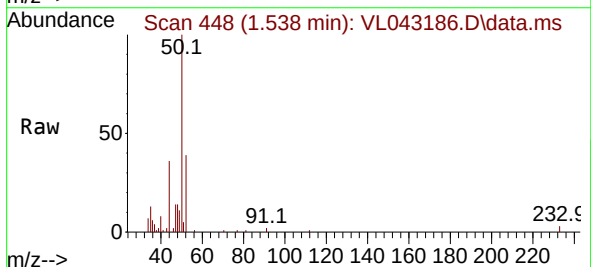
Tgt Ion: 51 Resp: 10604
Ion Ratio Lower Upper
51 100
67 18.9 15.1 22.7

Manual Integrations
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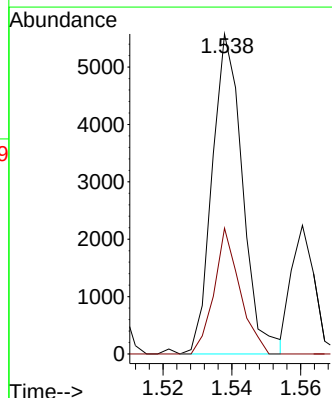
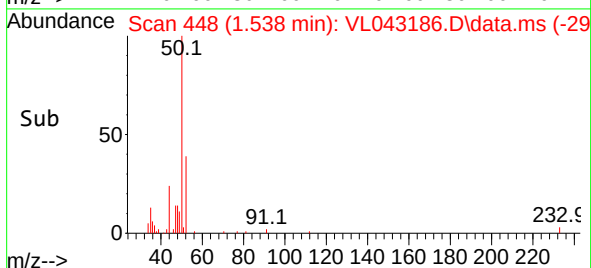
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

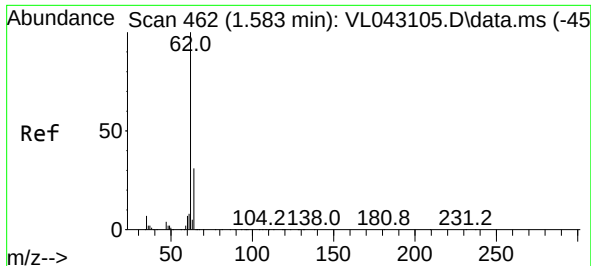


#4
Chloromethane
Concen: 0.431 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13



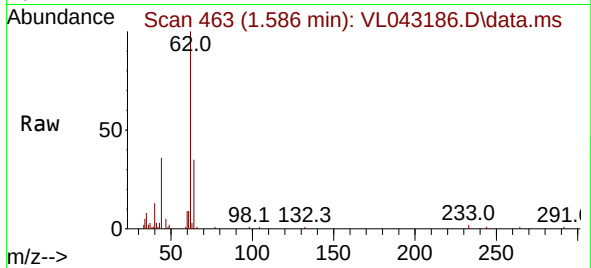
Tgt Ion: 50 Resp: 3431
Ion Ratio Lower Upper
50 100
52 39.3 25.2 37.8#





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

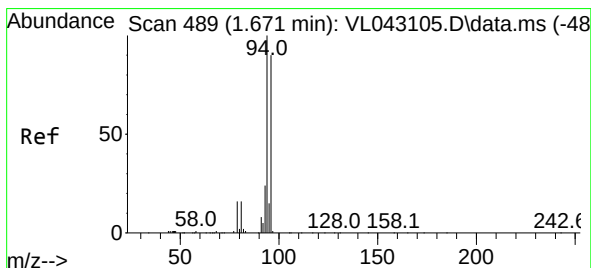
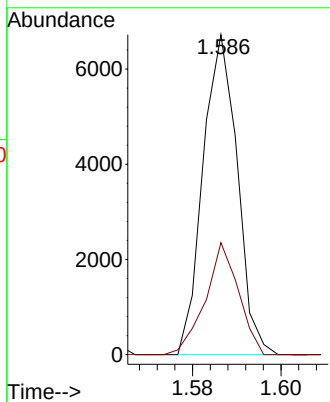
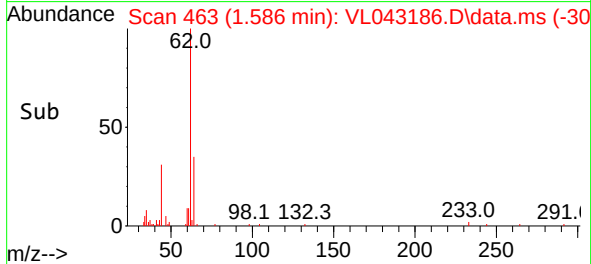
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025



Tgt Ion: 62 Resp: 361
 Ion Ratio Lower Upper
 62 100
 64 34.1 24.6 36.8

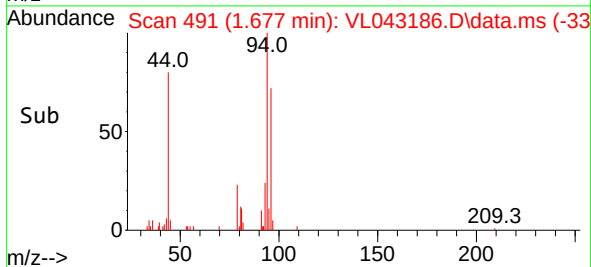
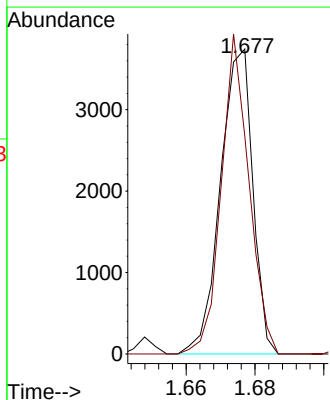
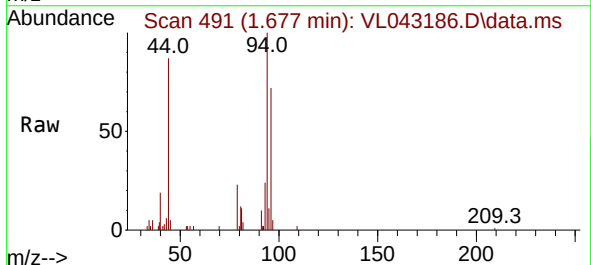
Manual Integrations
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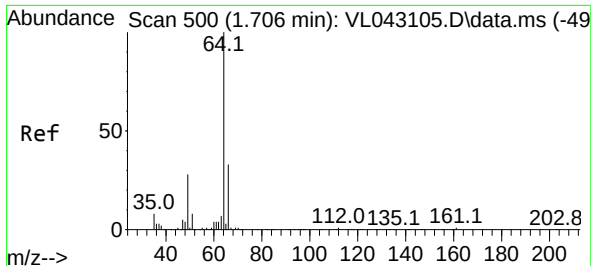
Reviewed By :Semsettin Yesilyurt 11/13/2025
 Supervised By :Mahesh Dadoda 11/13/2025



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

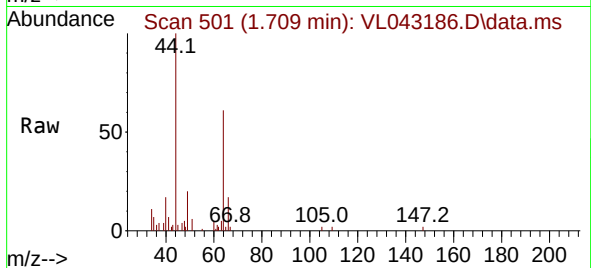
Tgt Ion: 94 Resp: 2444
 Ion Ratio Lower Upper
 94 100
 96 71.6 72.2 108.4#





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

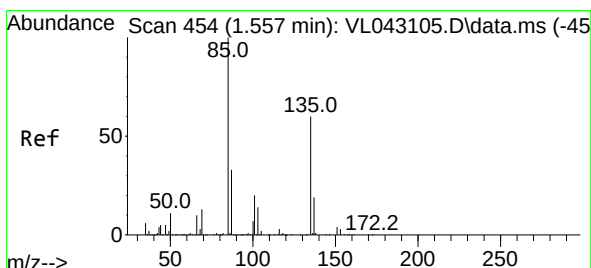
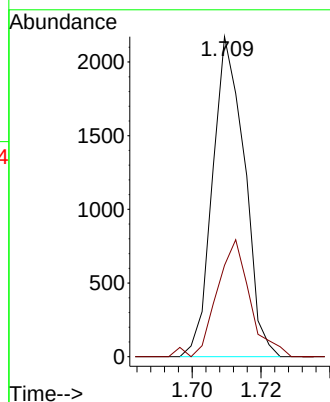
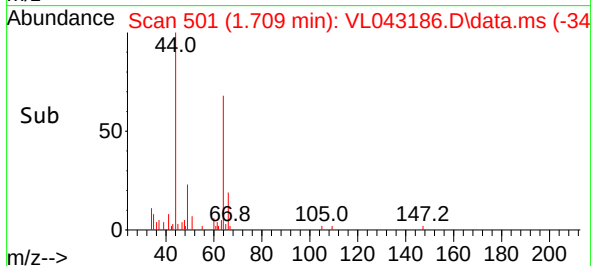
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



Tgt Ion: 64 Resp: 139
Ion Ratio Lower Upper
64 100
66 32.2 26.0 39.0

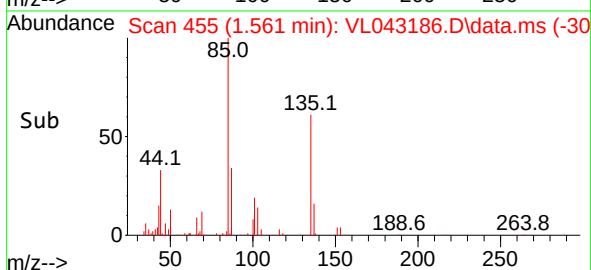
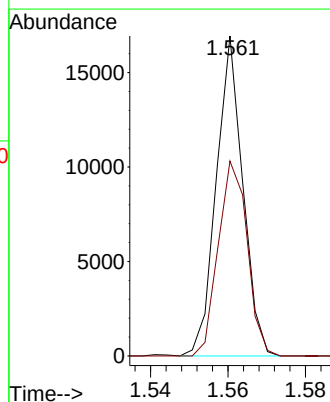
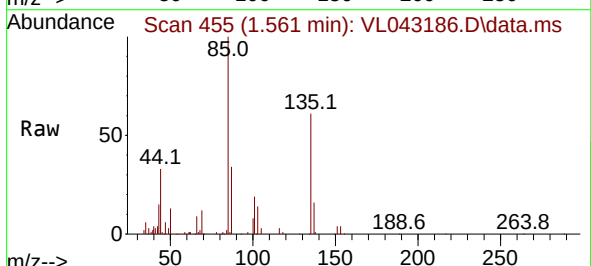
Manual Integrations
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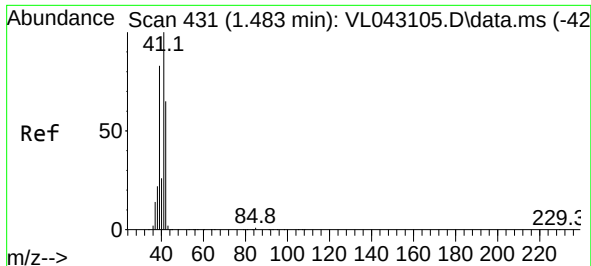
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



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

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





#9

Propene

Concen: 0.381 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

Tgt Ion: 41 Resp: 3680

Ion Ratio Lower Upper

41 100

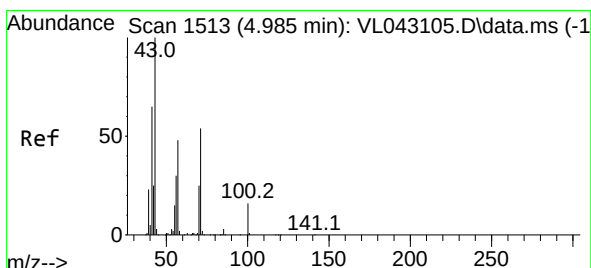
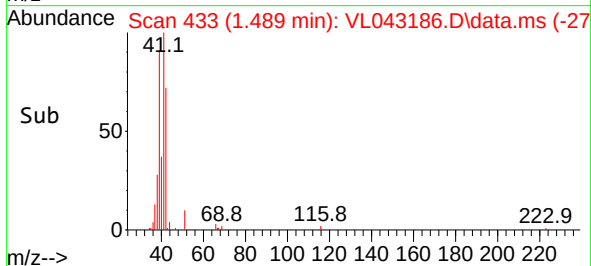
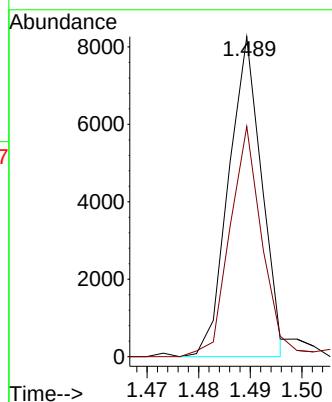
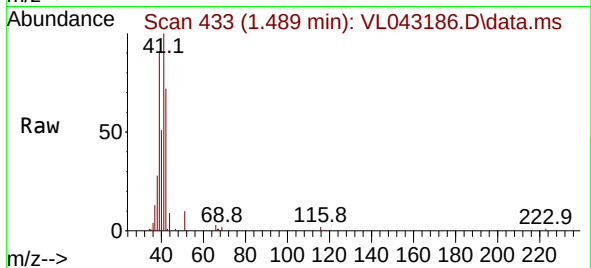
42 76.5 55.1 82.7

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 11/13/2025



#10

Heptane

Concen: 0.320 ppbv m

RT: 4.998 min Scan# 1517

Delta R.T. 0.013 min

Lab File: VL043186.D

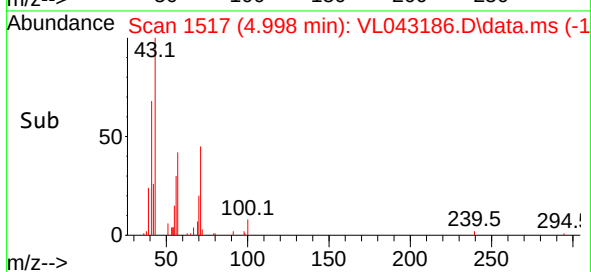
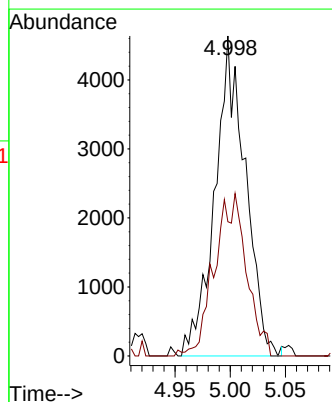
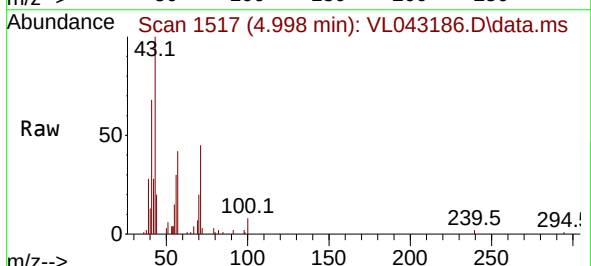
Acq: 11 Nov 2025 12:13

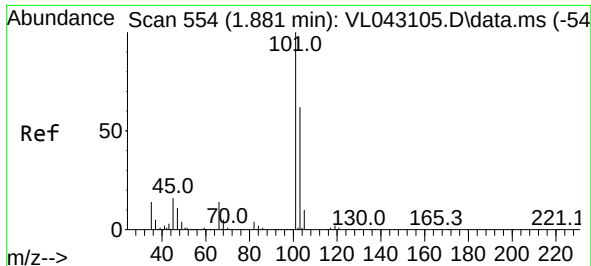
Tgt Ion: 43 Resp: 8901

Ion Ratio Lower Upper

43 100

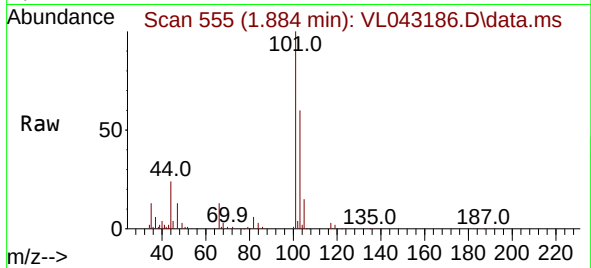
57 0.0 40.8 61.2#





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

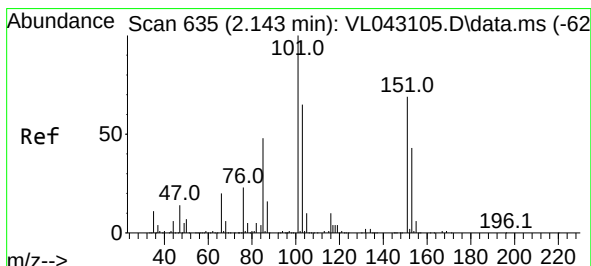
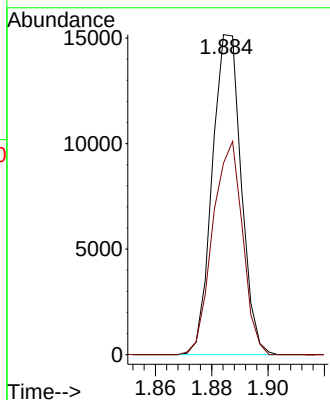
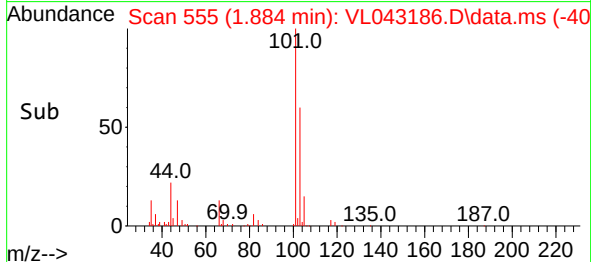
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025



Tgt Ion:101 Resp: 1083
 Ion Ratio Lower Upper
 101 100
 103 59.9 49.3 73.9

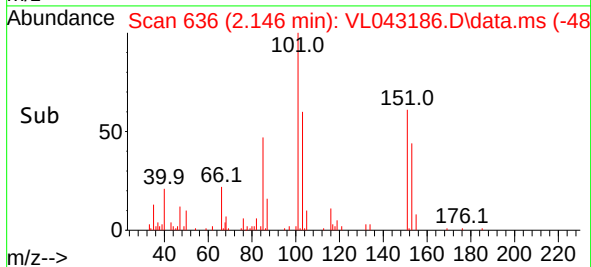
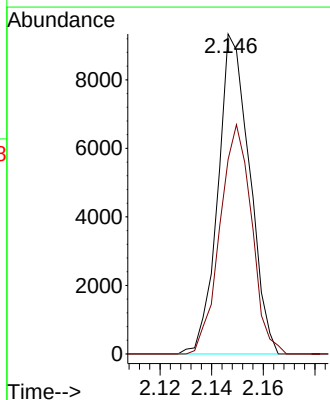
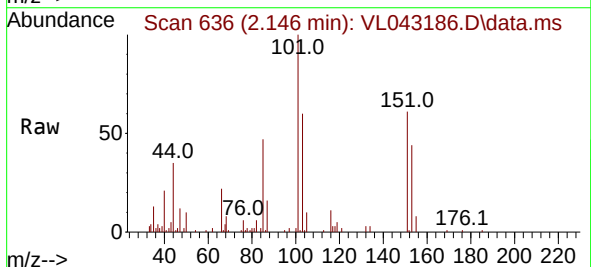
Manual Integrations
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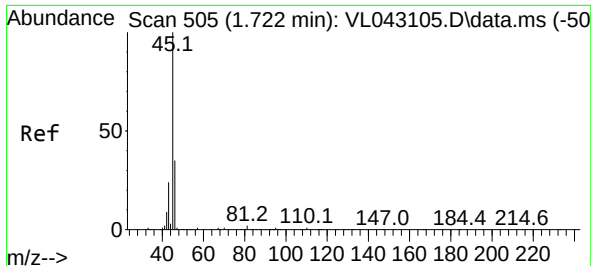
Reviewed By :Semsettin Yesilyurt 11/13/2025
 Supervised By :Mahesh Dadoda 11/13/2025



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

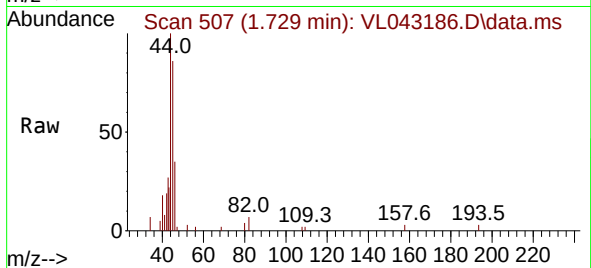
Tgt Ion:101 Resp: 7939
 Ion Ratio Lower Upper
 101 100
 151 72.0 54.7 82.1





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

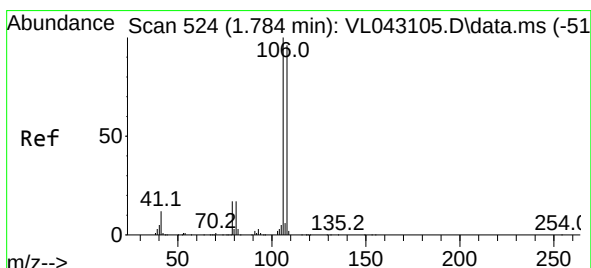
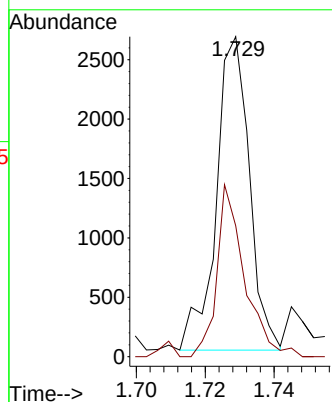
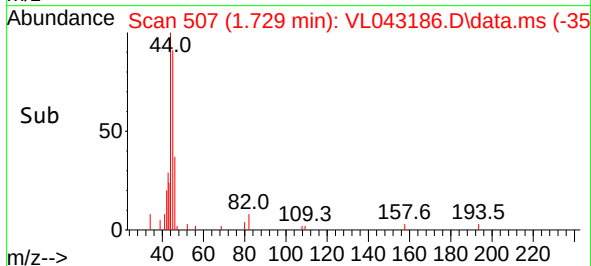
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



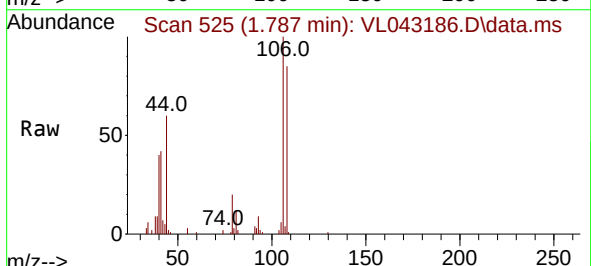
Tgt Ion: 45 Resp: 176
Ion Ratio Lower Upper
45 100
46 47.6 14.7 58.9

Manual Integrations
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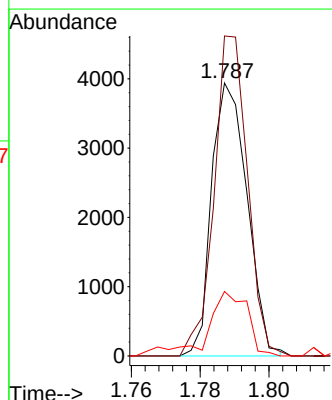
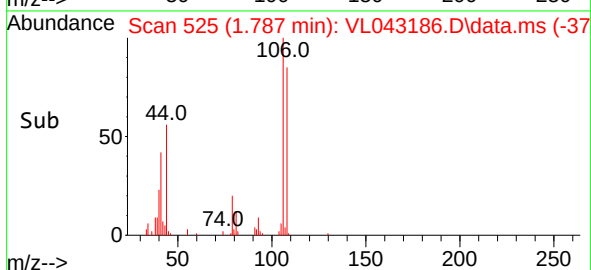
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

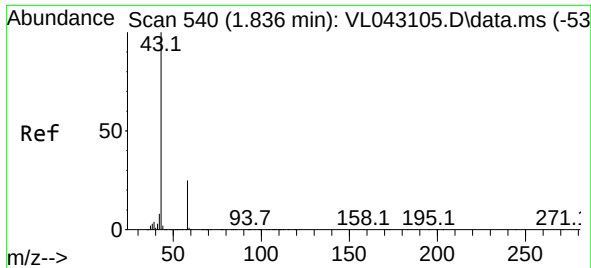


#14
Bromoethene
Concen: 0.480 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13



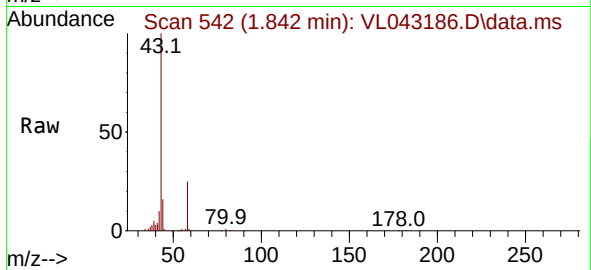
Tgt Ion:108 Resp: 2824
Ion Ratio Lower Upper
108 100
106 110.4 84.4 126.6
79 26.7 15.3 22.9





#15
Acetone
Concen: 0.601 ppbv
RT: 1.842 min Scan# 541
Delta R.T. 0.007 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

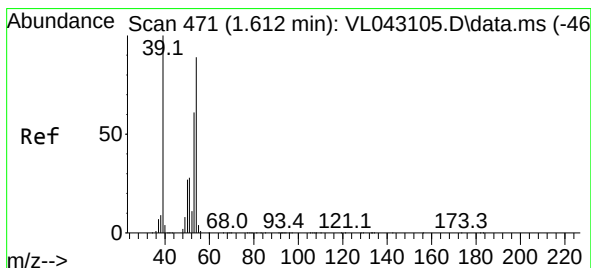
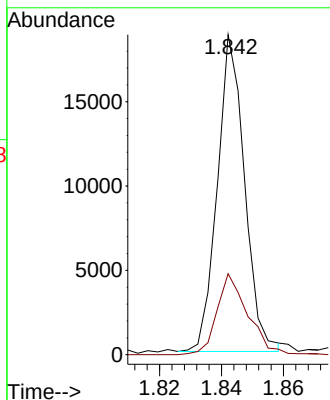
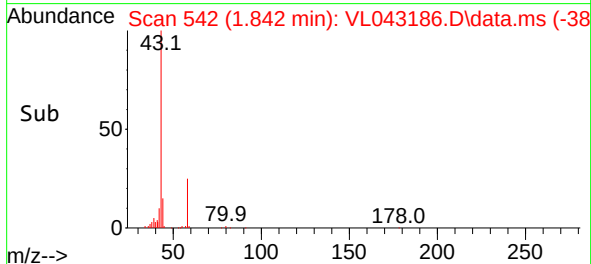
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



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

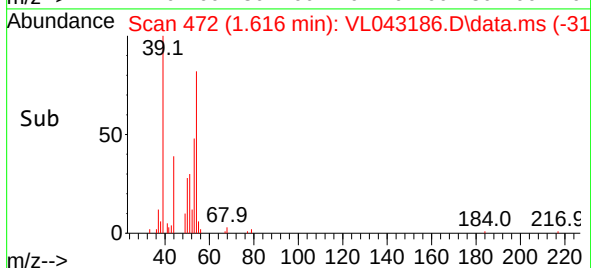
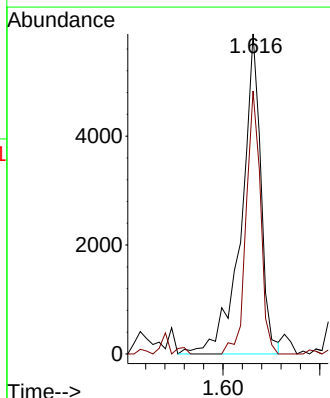
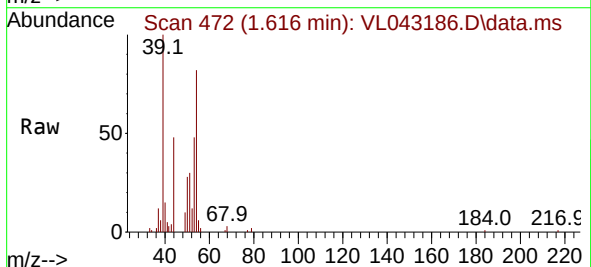
Manual Integrations
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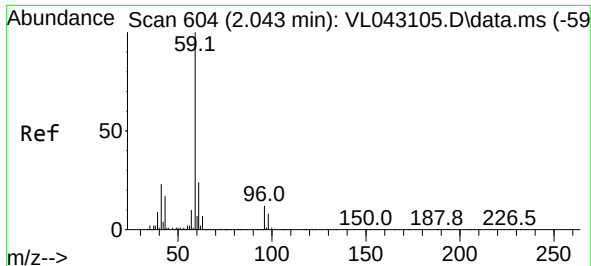
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



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

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





#17

tert-Butyl alcohol

Concen: 0.436 ppbv

RT: 2.049 min Scan# 606

Delta R.T. 0.006 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

Tgt Ion: 59 Resp: 11410

Ion Ratio Lower Upper

59 100

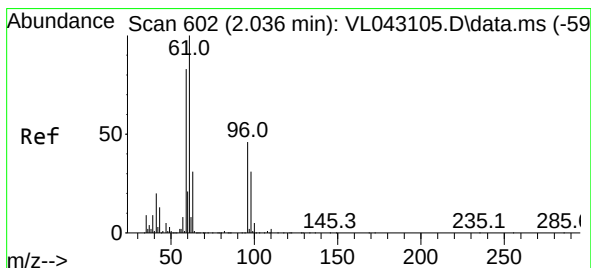
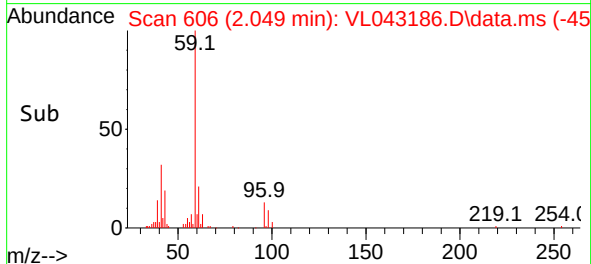
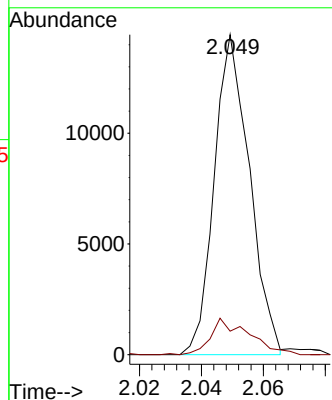
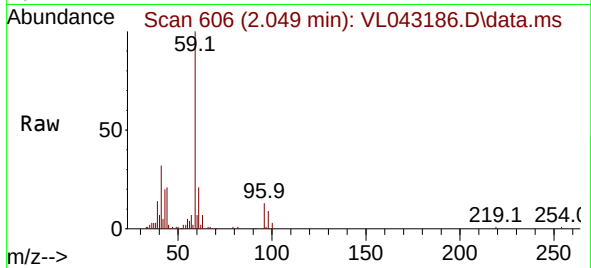
57 12.8 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025

Supervised By :Mahesh Dadoda 11/13/2025



#18

1,1-Dichloroethene

Concen: 0.505 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

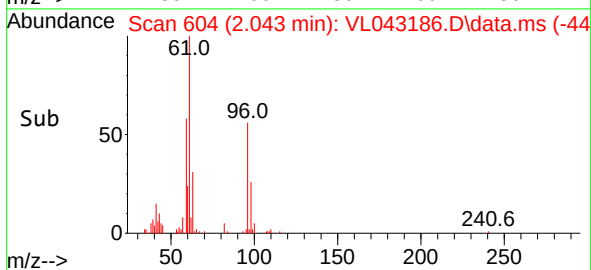
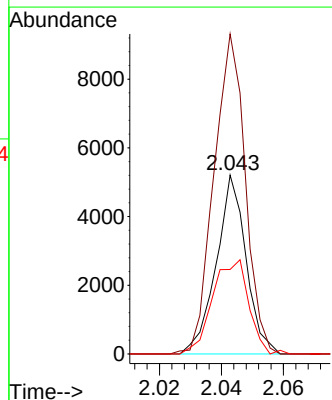
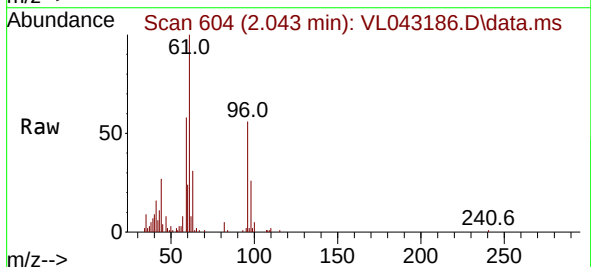
Tgt Ion: 96 Resp: 3488

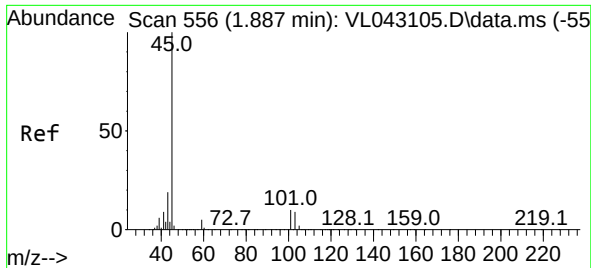
Ion Ratio Lower Upper

96 100

61 178.8 173.4 260.0

98 47.2 53.2 79.8





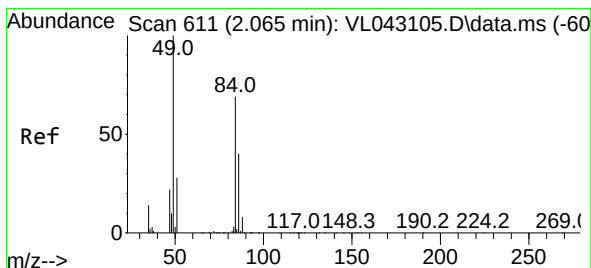
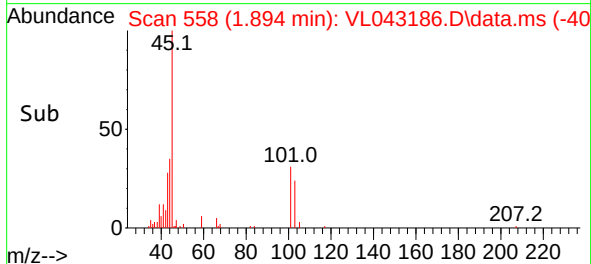
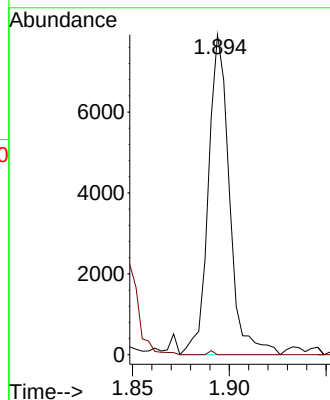
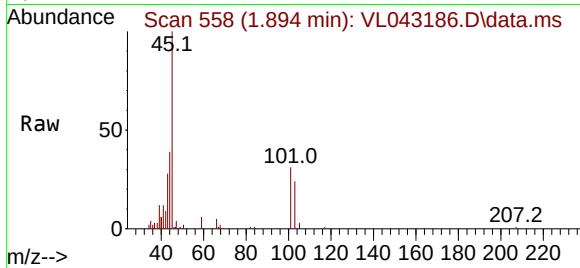
#19
Isopropyl Alcohol
Concen: 0.506 ppbv
RT: 1.894 min Scan# 511
Delta R.T. 0.006 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

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

Tgt Ion: 45 Resp: 6000
Ion Ratio Lower Upper
45 100
58 55.6 31.3 46.9

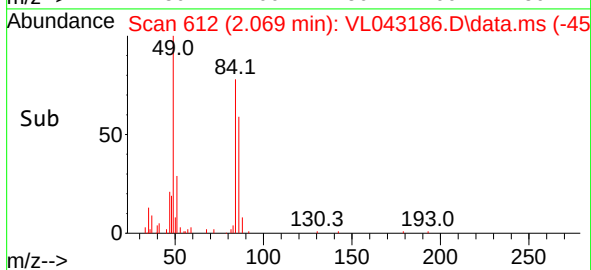
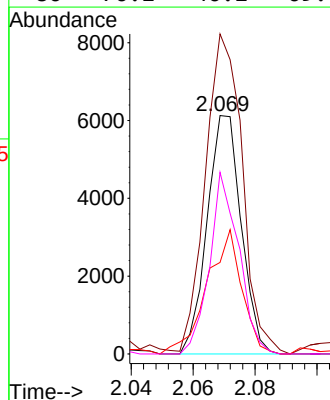
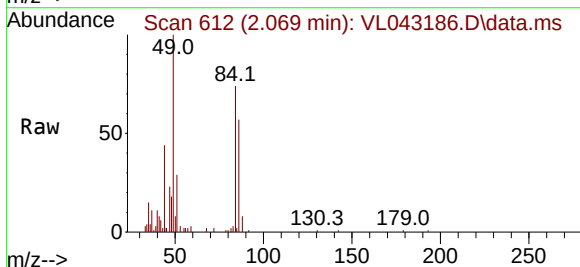
Manual Integrations
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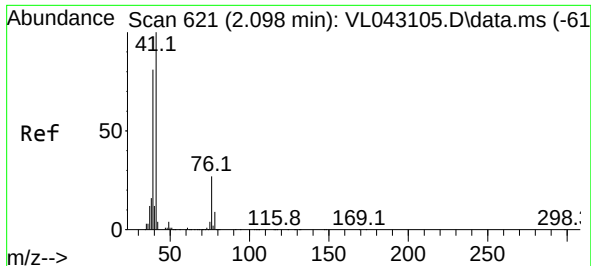
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#20
Methylene Chloride
Concen: 0.622 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion: 84 Resp: 4691
Ion Ratio Lower Upper
84 100
49 133.2 116.6 175.0
51 38.4 34.8 52.2
86 76.2 46.2 69.4





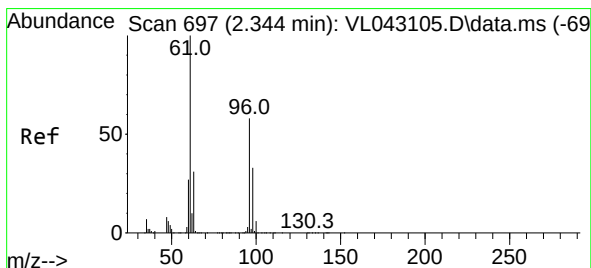
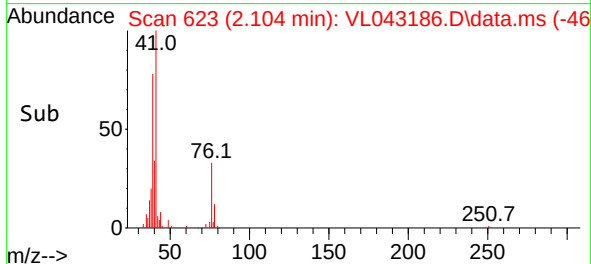
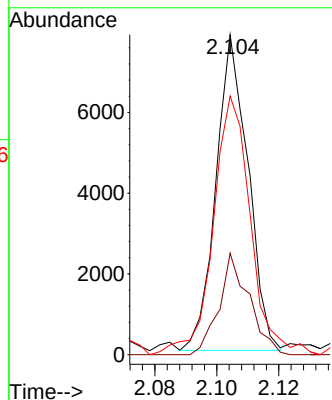
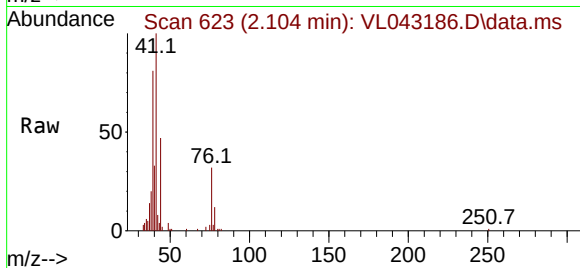
#21
 Allyl Chloride
 Concen: 0.400 ppbv
 RT: 2.104 min Scan# 619
 Delta R.T. 0.006 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13

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

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

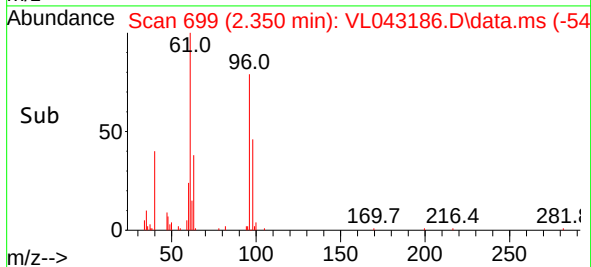
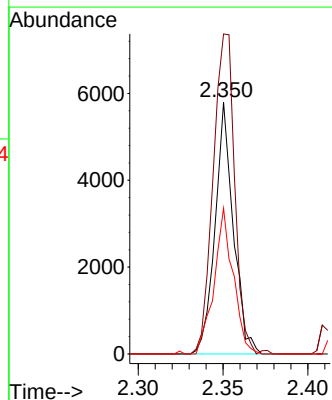
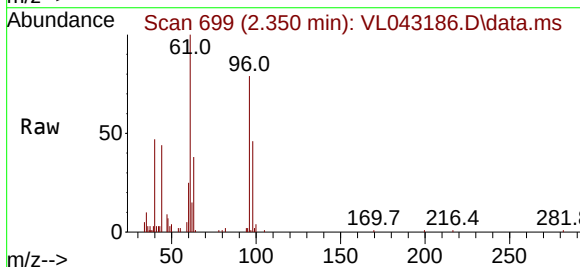
Manual Integrations
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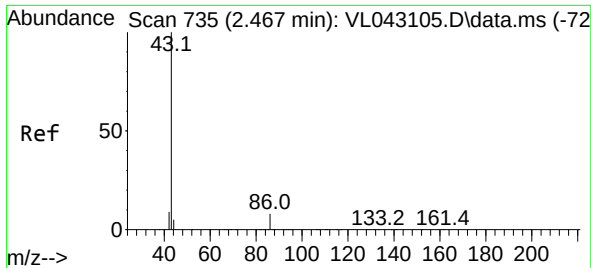
Reviewed By :Semsettin Yesilyurt 11/13/2025
 Supervised By :Mahesh Dadoda 11/13/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.529 ppbv m
 RT: 2.350 min Scan# 699
 Delta R.T. 0.006 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13

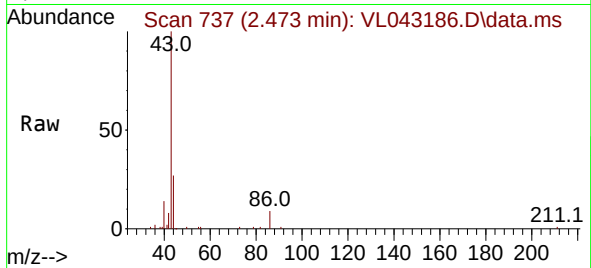
Tgt Ion: 96 Resp: 4364
 Ion Ratio Lower Upper
 96 100
 61 127.1 137.0 205.6#
 98 57.9 45.5 68.3





#23
 Vinyl Acetate
 Concen: 0.515 ppbv
 RT: 2.473 min Scan# 719
 Delta R.T. 0.006 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13

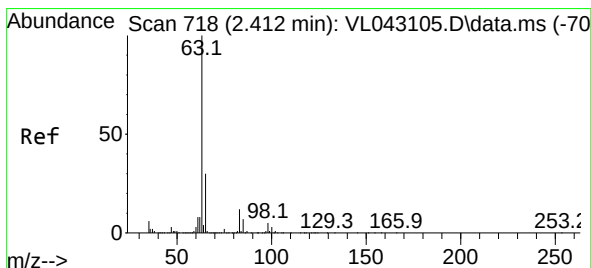
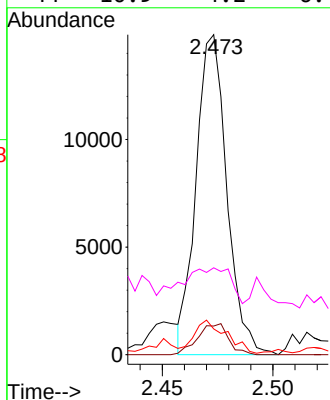
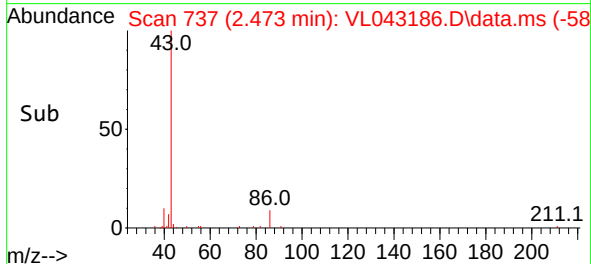
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025



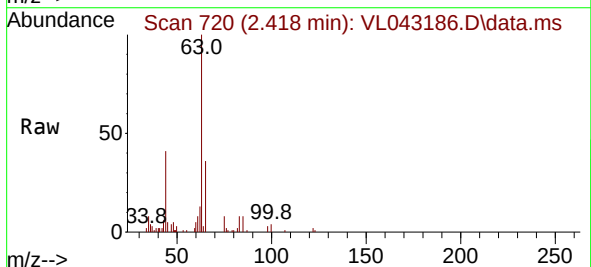
Tgt Ion: 43 Resp: 14378
 Ion Ratio Lower Upper
 43 100
 86 9.0 6.2 9.2
 42 6.4 7.6 11.4
 44 10.9 4.2 6.4#

Manual Integrations
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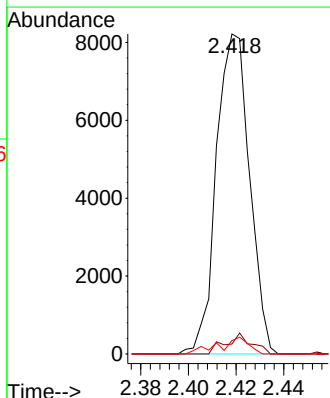
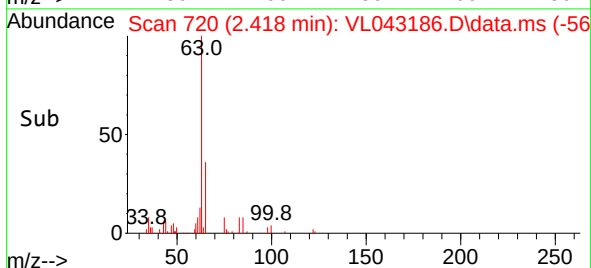
Reviewed By :Semsettin Yesilyurt 11/13/2025
 Supervised By :Mahesh Dadoda 11/13/2025

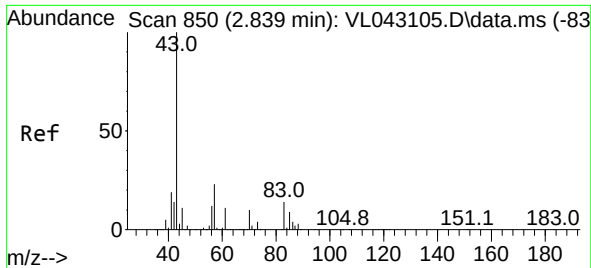


#24
 1,1-Dichloroethane
 Concen: 0.499 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.006 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13



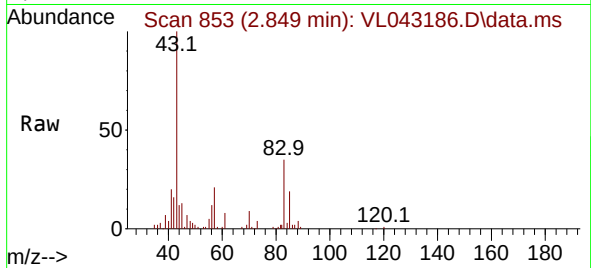
Tgt Ion: 63 Resp: 7950
 Ion Ratio Lower Upper
 63 100
 98 3.1 2.6 7.8
 100 4.2 1.5 4.4





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

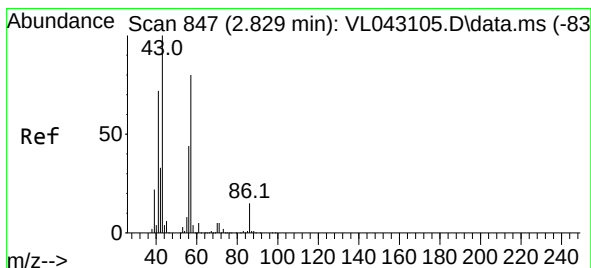
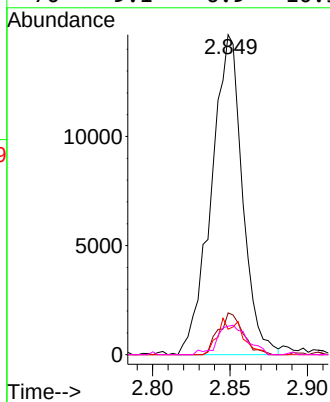
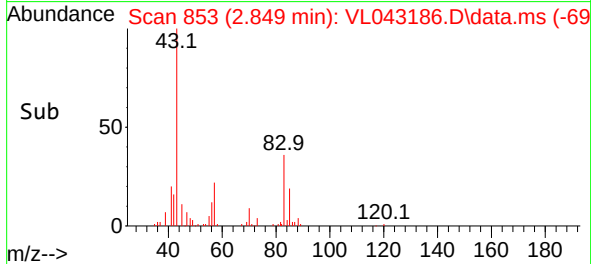
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



Tgt Ion: 43 Resp: 2045
Ion Ratio Lower Upper
43 100
45 10.3 7.8 11.8
61 8.7 7.0 10.6
70 9.1 6.9 10.3

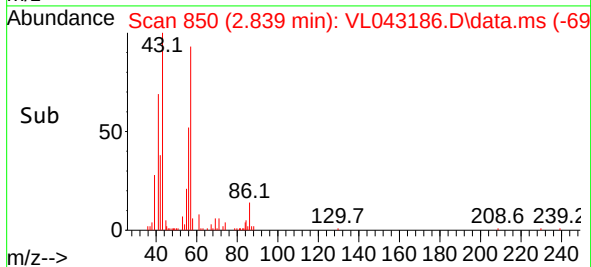
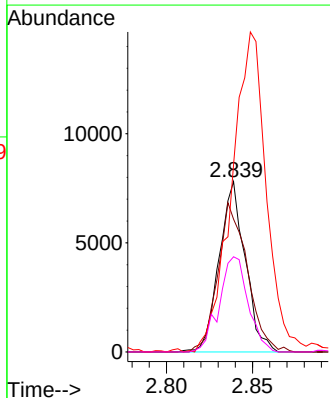
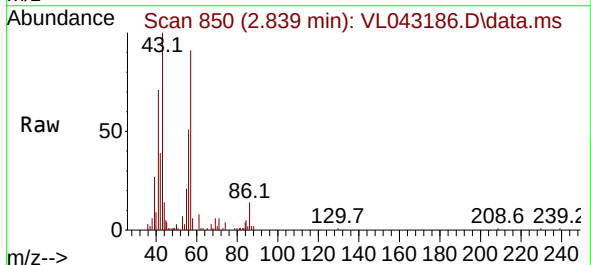
Manual Integrations
APPROVED

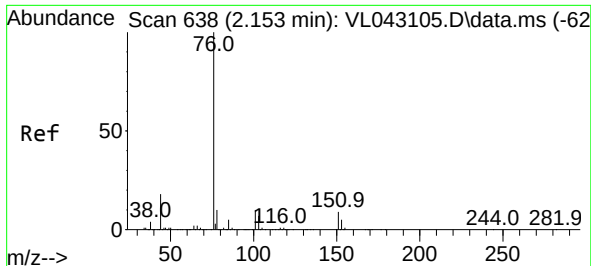
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



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

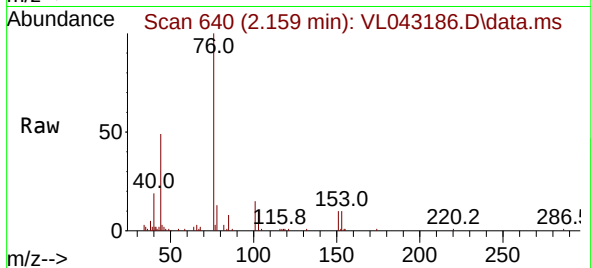
Tgt Ion: 57 Resp: 8240
Ion Ratio Lower Upper
57 100
41 98.7 71.4 107.0
43 255.5 178.5 267.7
56 62.1 42.2 63.4





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

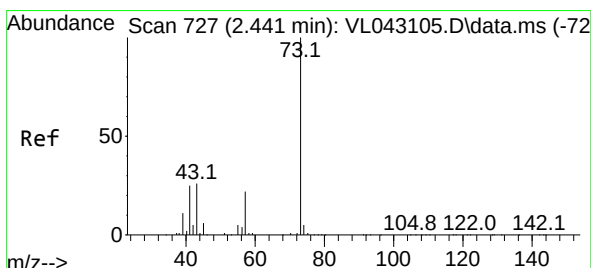
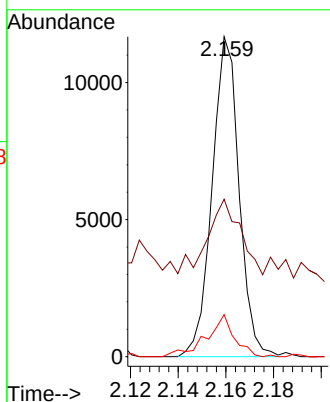
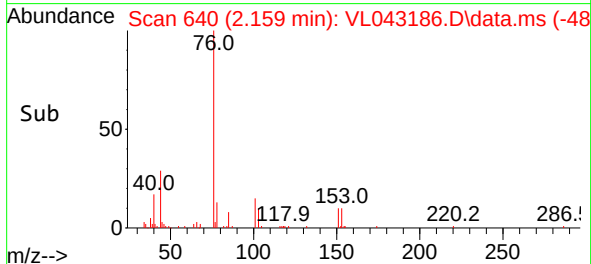
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



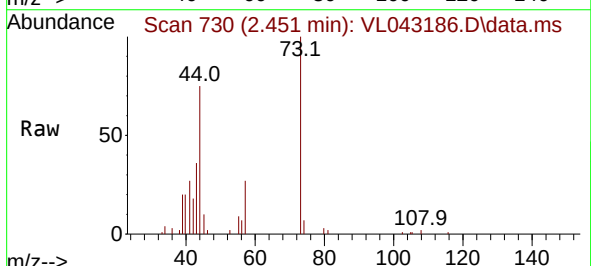
Tgt Ion: 76 Resp: 9164
Ion Ratio Lower Upper
76 100
44 75.1 16.7 25.1
78 14.0 9.3 13.9

Manual Integrations
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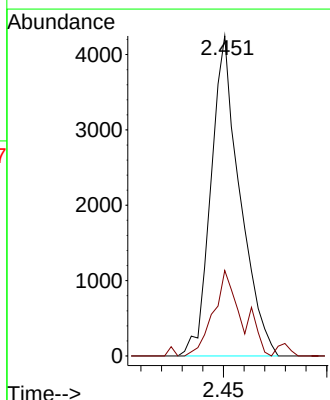
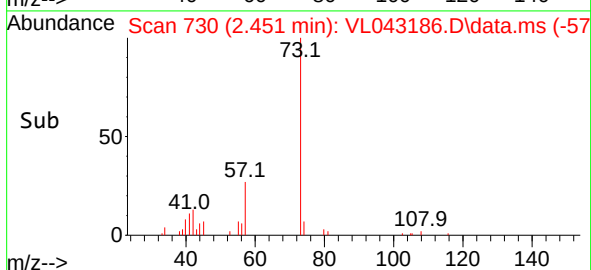
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

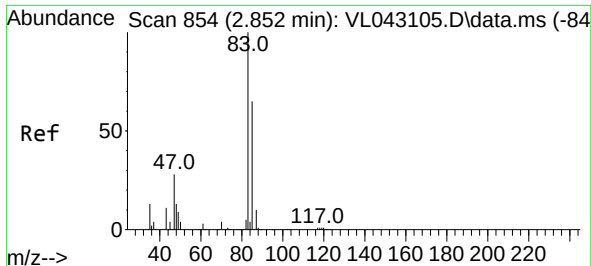


#28
Methyl tert-Butyl Ether
Concen: 0.417 ppbv
RT: 2.451 min Scan# 730
Delta R.T. 0.010 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13



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





#29

Chloroform

Concen: 0.510 ppbv

RT: 2.858 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL043186.D

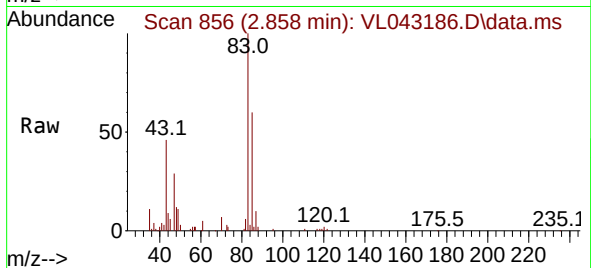
Acq: 11 Nov 2025 12:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

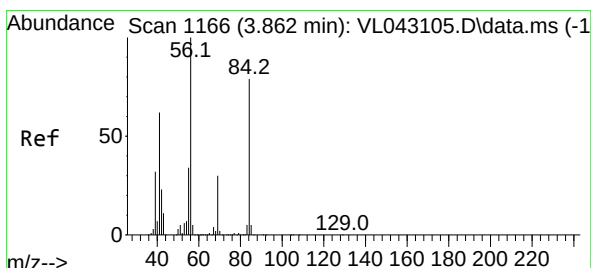
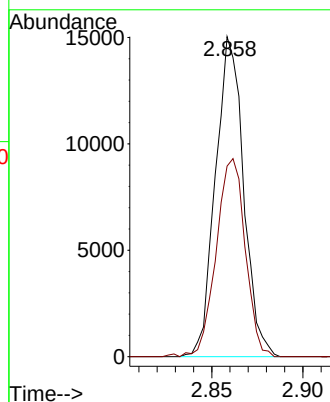
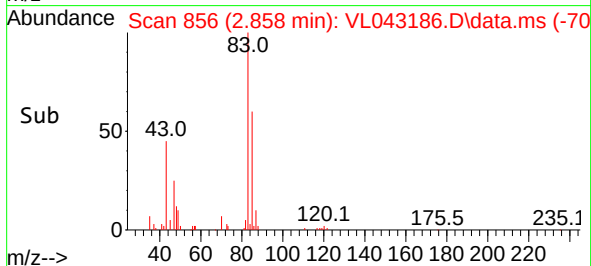


Tgt Ion:	83	Resp:	16090
Ion Ratio	Lower	Upper	
83	100		
85	59.5	51.8	77.6

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Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#30

Cyclohexane

Concen: 0.331 ppbv

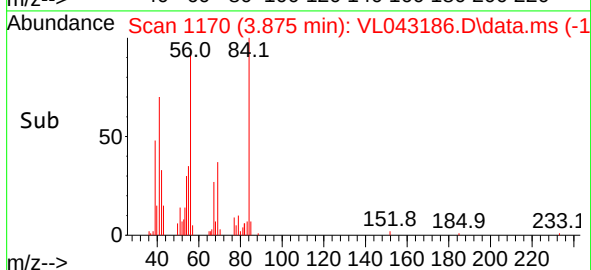
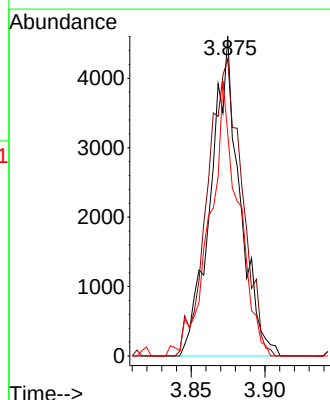
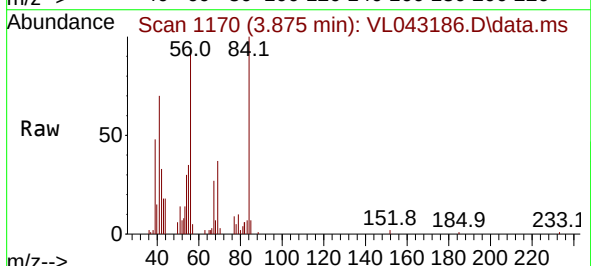
RT: 3.875 min Scan# 1170

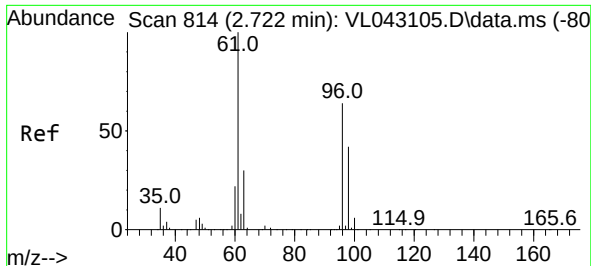
Delta R.T. 0.013 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

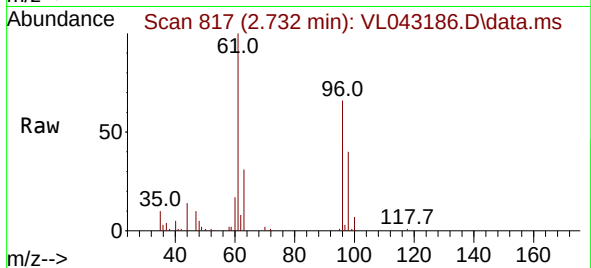
Tgt Ion:	84	Resp:	6302
Ion Ratio	Lower	Upper	
84	100		
56	110.6	100.9	151.3
41	86.2	63.8	95.6





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

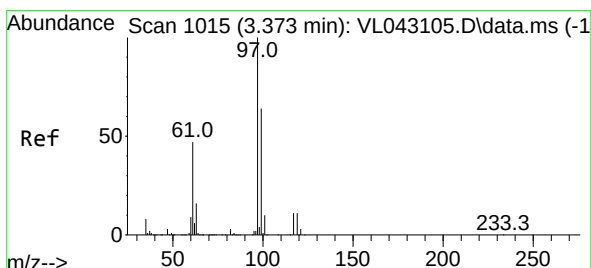
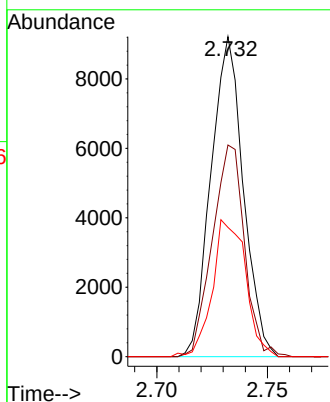
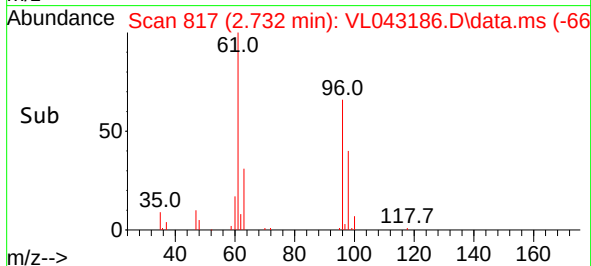
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025



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

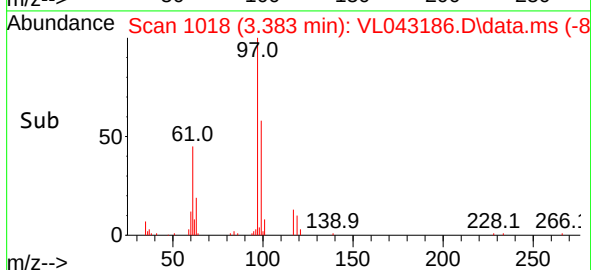
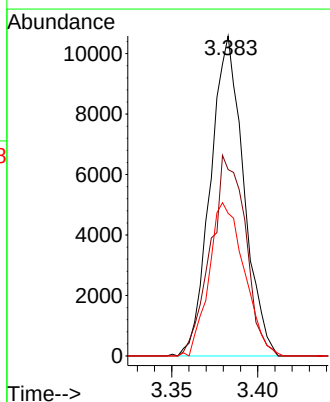
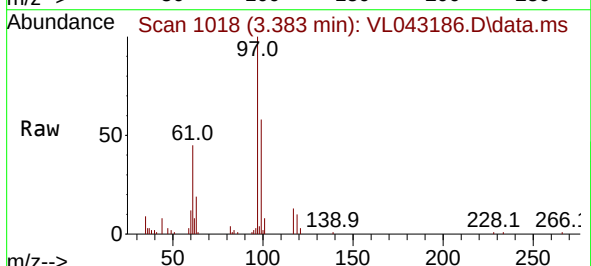
Manual Integrations
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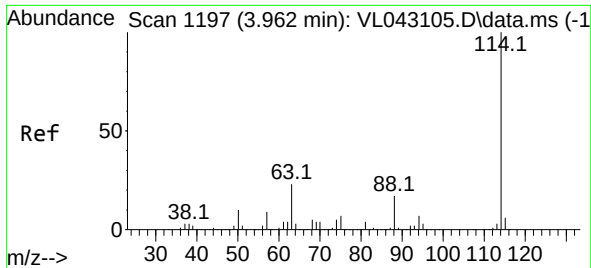
Reviewed By :Semsettin Yesilyurt 11/13/2025
 Supervised By :Mahesh Dadoda 11/13/2025



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

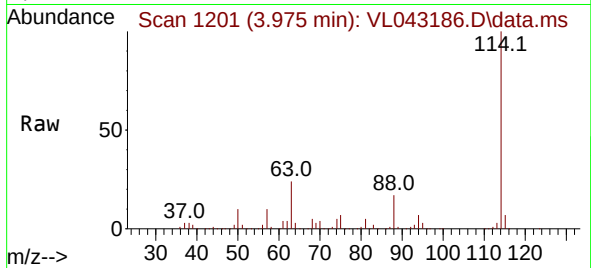
Tgt Ion: 97 Resp: 14207
 Ion Ratio Lower Upper
 97 100
 99 65.8 51.3 76.9
 61 50.9 38.4 57.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1197
Delta R.T. 0.013 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

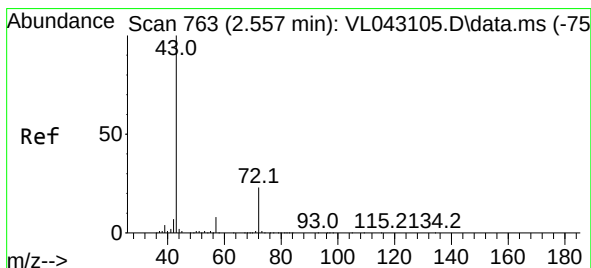
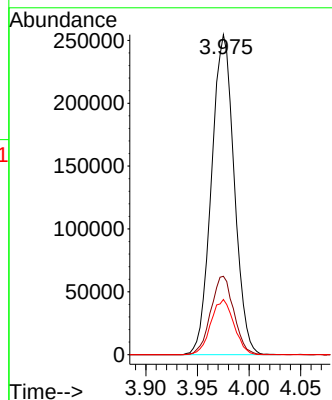
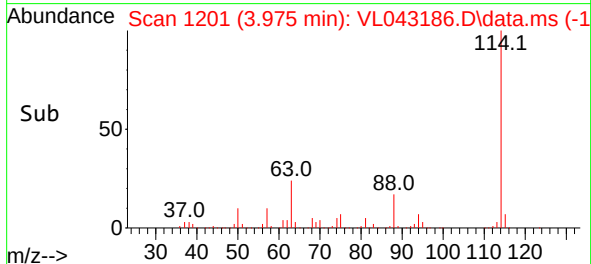
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



Tgt Ion:114 Resp: 38922
Ion Ratio Lower Upper
114 100
63 24.9 19.3 28.9
88 17.5 13.9 20.9

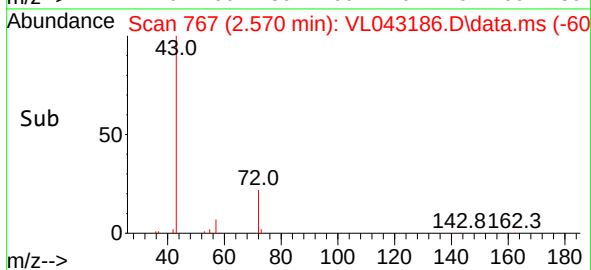
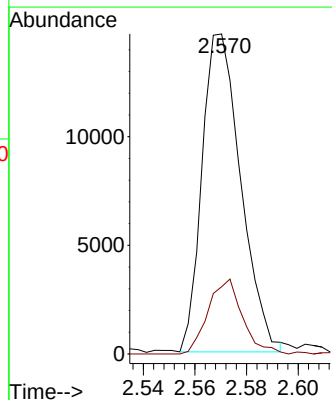
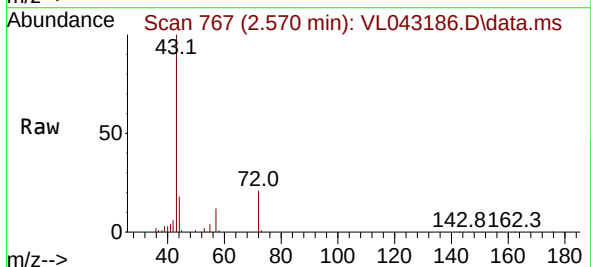
Manual Integrations
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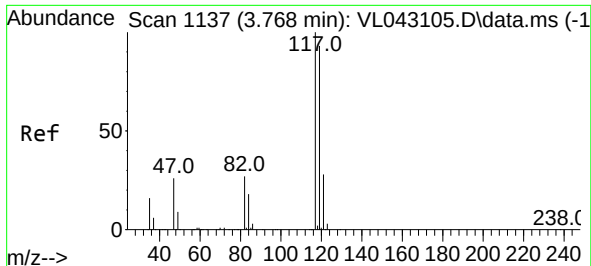
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#34
2-Butanone
Concen: 0.585 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.013 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

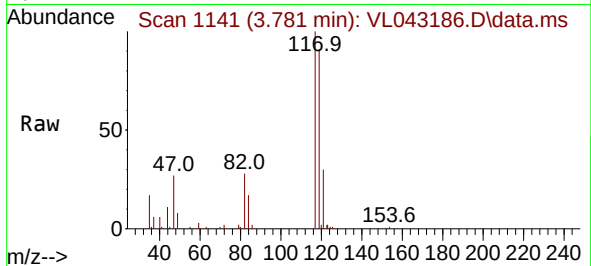
Tgt Ion: 43 Resp: 15299
Ion Ratio Lower Upper
43 100
72 21.1 18.4 27.6





#35
Carbon Tetrachloride
Concen: 0.543 ppbv m
RT: 3.781 min Scan# 1137
Delta R.T. 0.013 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

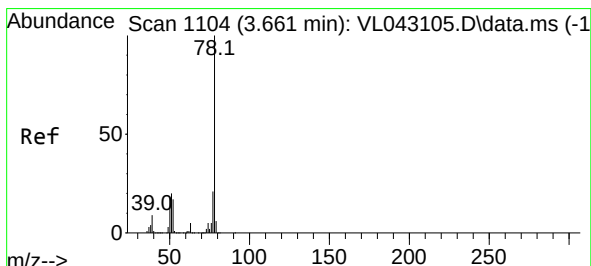
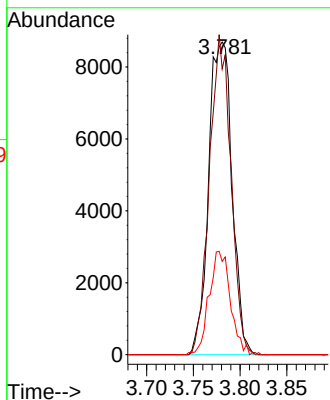
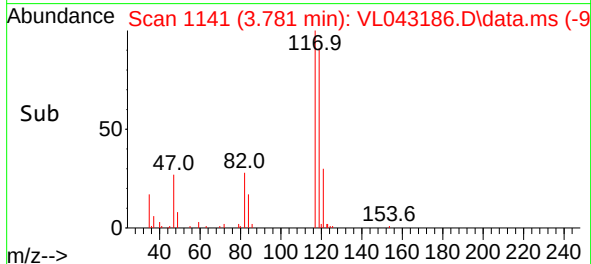
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



Tgt Ion: 117 Resp: 15190
Ion Ratio Lower Upper
117 100
119 91.4 74.1 111.1
121 29.8 22.2 33.2

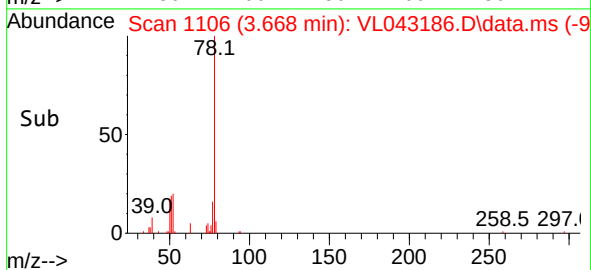
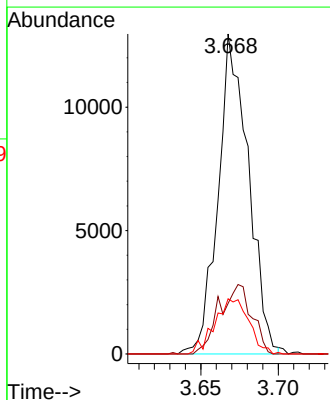
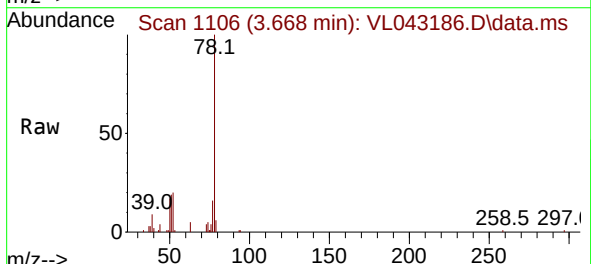
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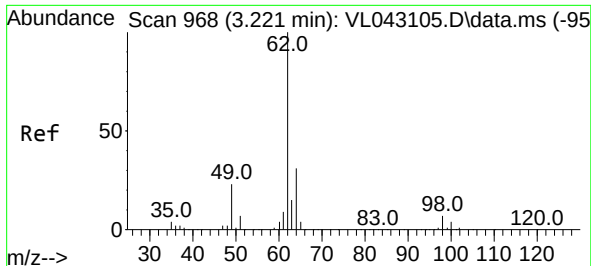
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



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

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





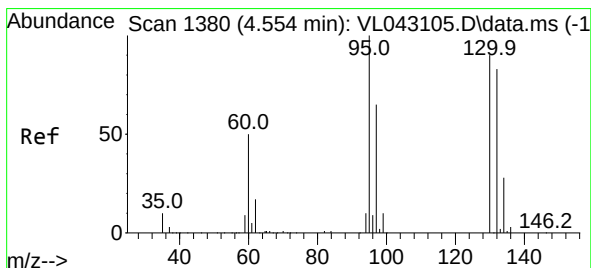
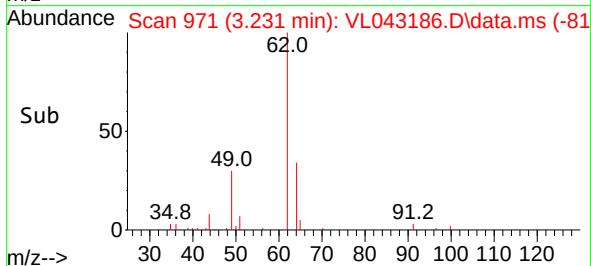
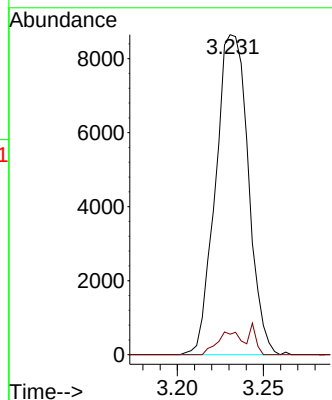
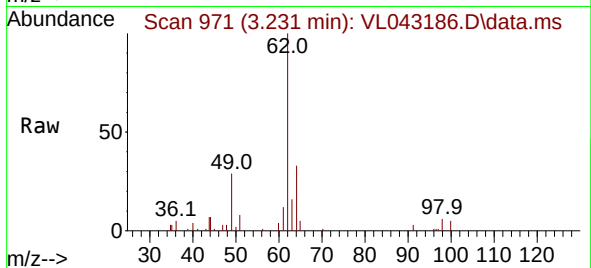
#37
1,2-Dichloroethane
Concen: 0.540 ppbv
RT: 3.231 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

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

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

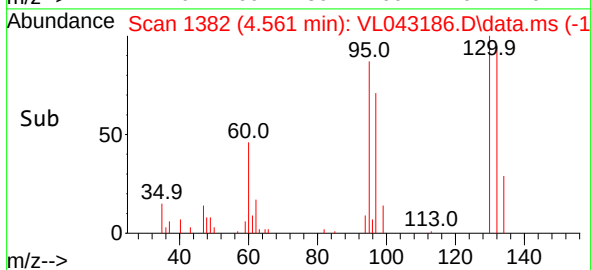
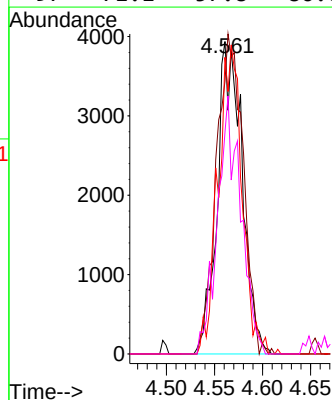
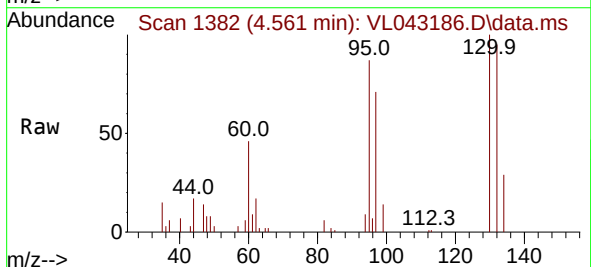
Manual Integrations
APPROVED

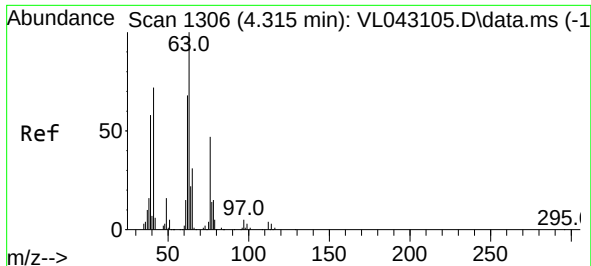
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#38
Trichloroethene
Concen: 0.462 ppbv m
RT: 4.561 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion:130 Resp: 7068
Ion Ratio Lower Upper
130 100
95 87.4 88.6 133.0#
132 94.9 73.4 110.0
97 71.1 57.8 86.6





#39

1,2-Dichloropropane

Concen: 0.557 ppbv m

RT: 4.325 min Scan# 1401

Delta R.T. 0.010 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Instrument :

MSVOA_L

ClientSampleId :

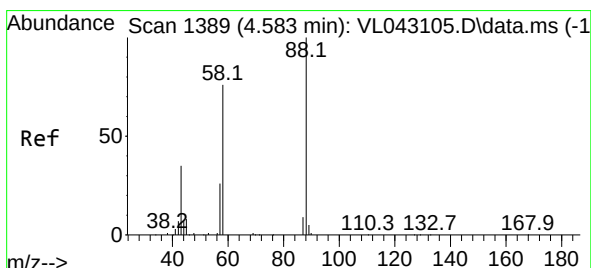
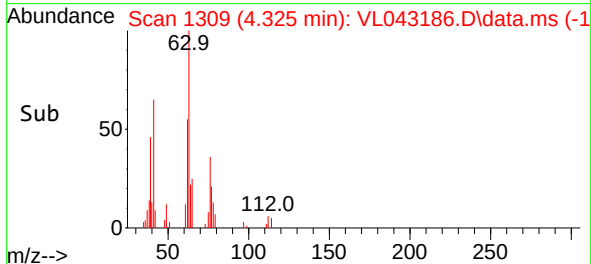
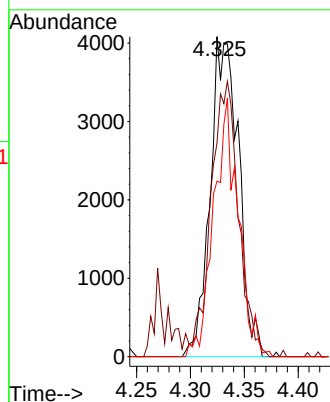
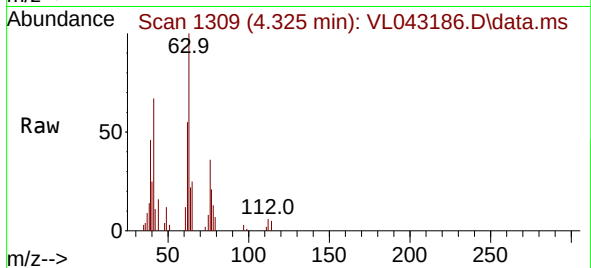
MDL-AIR-03-QT4-2025

Tgt Ion: 63	Resp: 746
Ion Ratio	Lower Upper
63 100	
41 66.8	58.0 87.0
62 54.9	54.7 82.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#40

1,4-Dioxane

Concen: 0.438 ppbv m

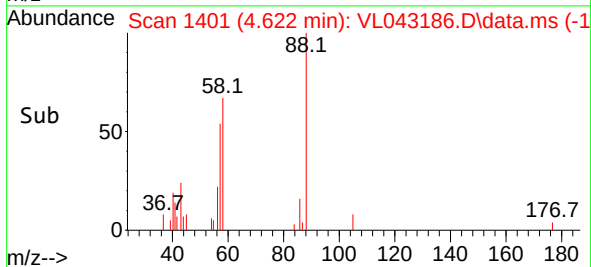
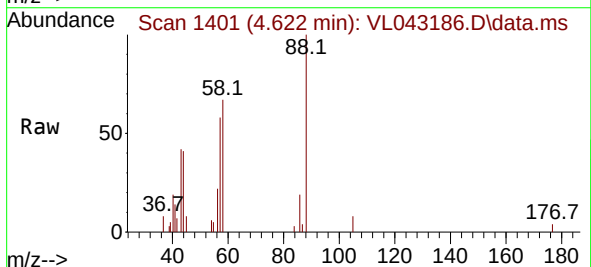
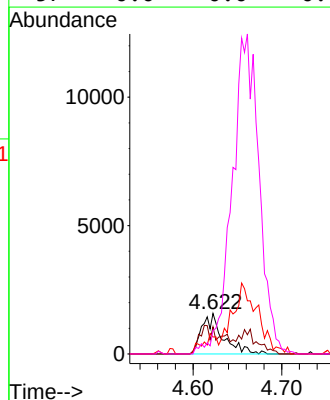
RT: 4.622 min Scan# 1401

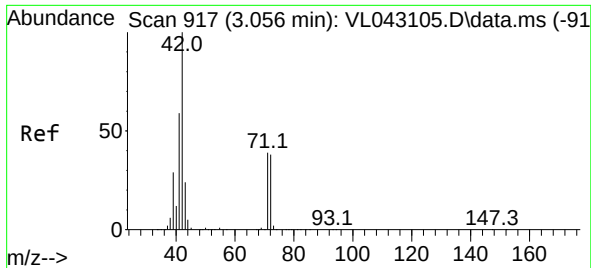
Delta R.T. 0.039 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

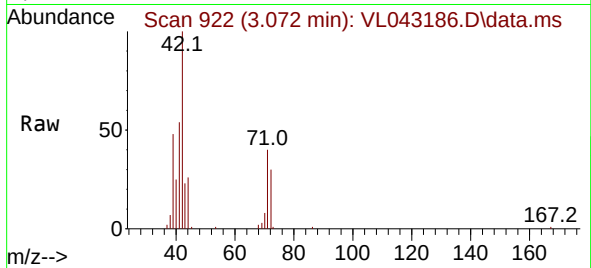
Tgt Ion: 88	Resp: 2627
Ion Ratio	Lower Upper
88 100	
58 70.1	61.1 91.7
43 0.0	24.0 36.0
57 0.0	0.0 0.0





#41
Tetrahydrofuran
Concen: 0.385 ppbv m
RT: 3.072 min Scan# 917
Delta R.T. 0.016 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

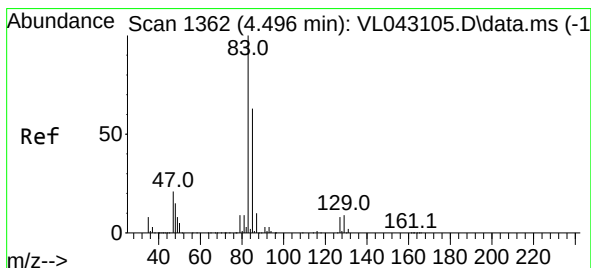
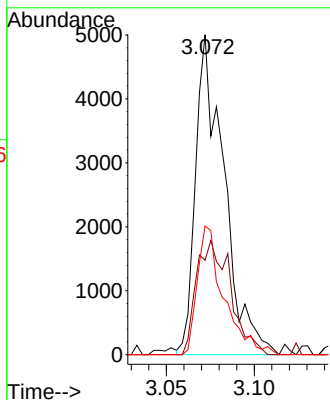
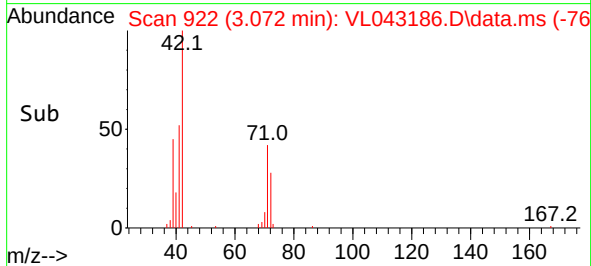
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



Tgt Ion: 42 Resp: 563
Ion Ratio Lower Upper
42 100
72 0.0 31.3 46.9
71 37.5 30.4 45.6

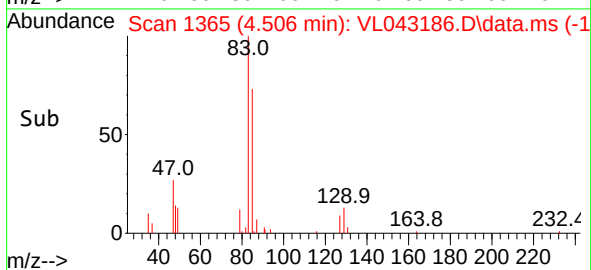
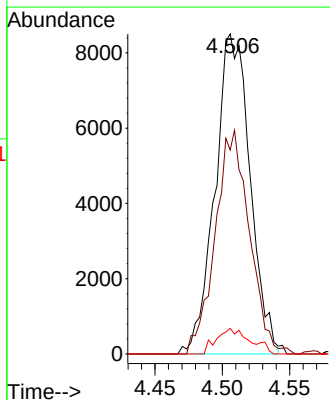
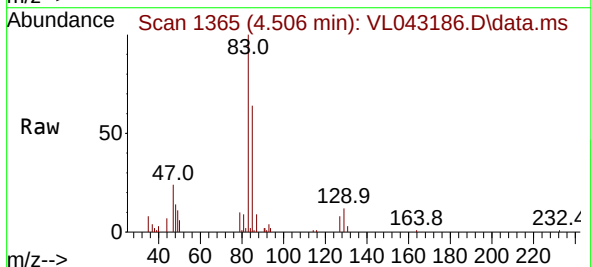
Manual Integrations
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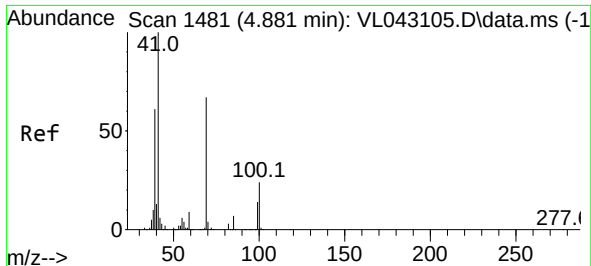
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



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

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





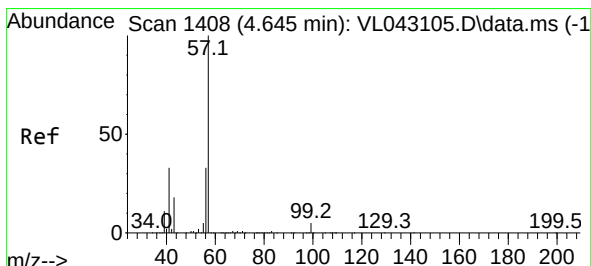
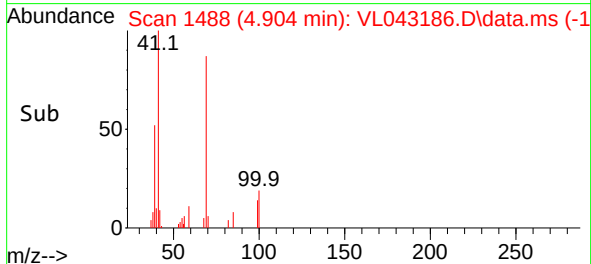
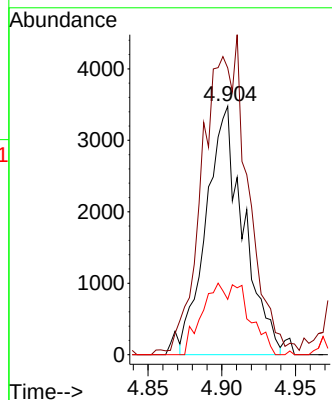
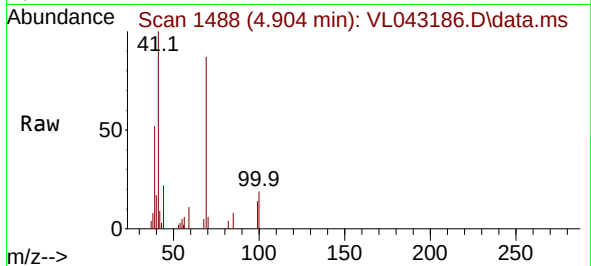
#43
Methyl Methacrylate
Concen: 0.329 ppbv
RT: 4.904 min Scan# 1413
Delta R.T. 0.023 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

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

Tgt Ion: 69 Resp: 612
Ion Ratio Lower Upper
69 100
41 153.3 120.5 180.7
100 35.7 29.0 43.4

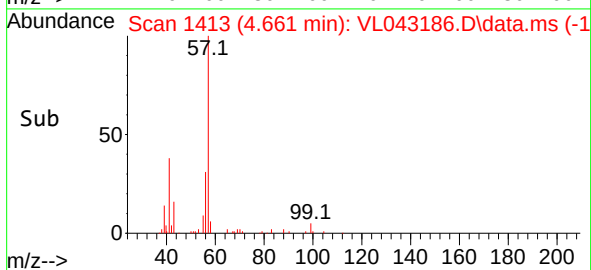
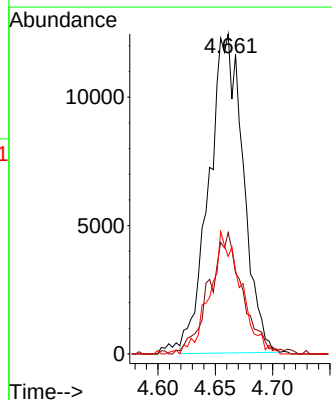
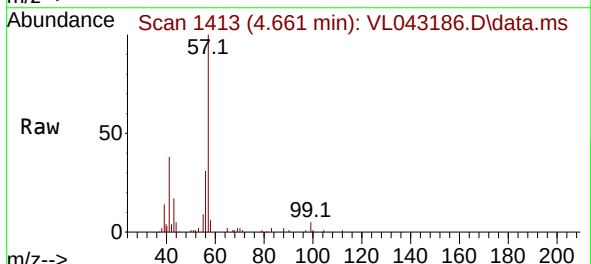
Manual Integrations
APPROVED

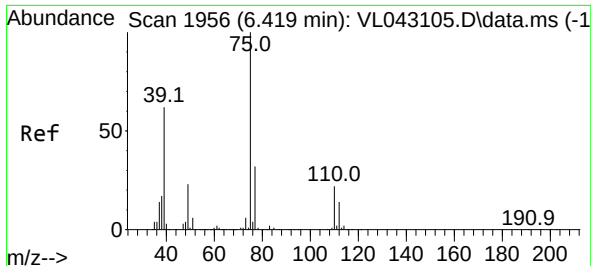
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



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

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





#45

t-1,3-Dichloropropene

Concen: 0.365 ppbv m

RT: 6.445 min Scan# 1956

Delta R.T. 0.026 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Instrument :

MSVOA_L

ClientSampleId :

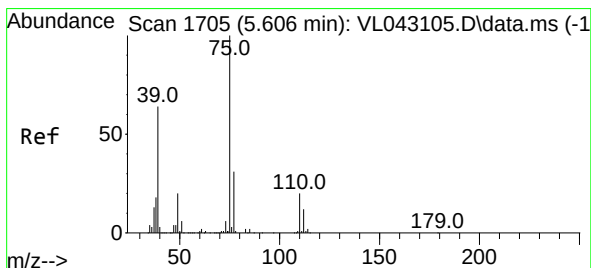
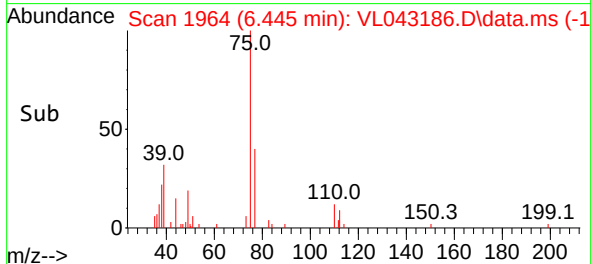
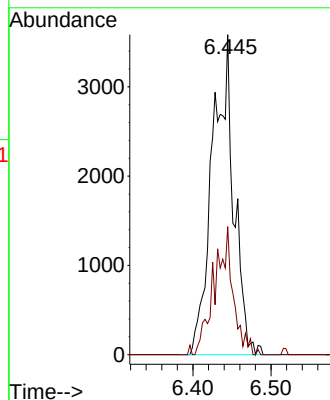
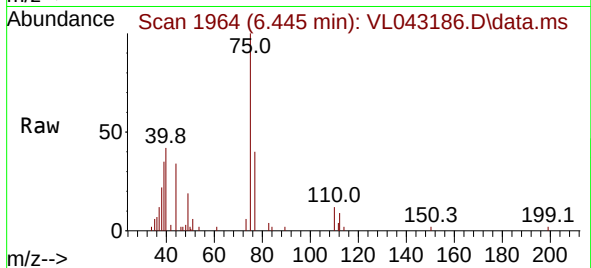
MDL-AIR-03-QT4-2025

Tgt Ion: 75 Resp: 6810
 Ion Ratio Lower Upper
 75 100
 77 40.0 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025
 Supervised By :Mahesh Dadoda 11/13/2025



#46

cis-1,3-Dichloropropene

Concen: 0.373 ppbv m

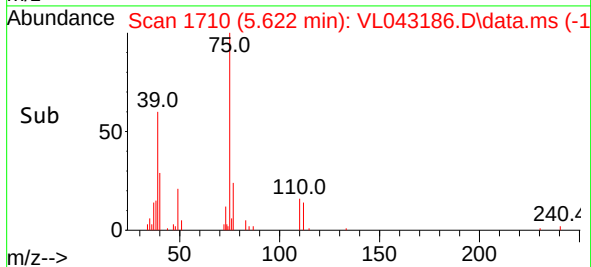
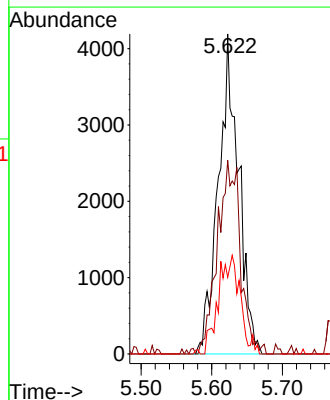
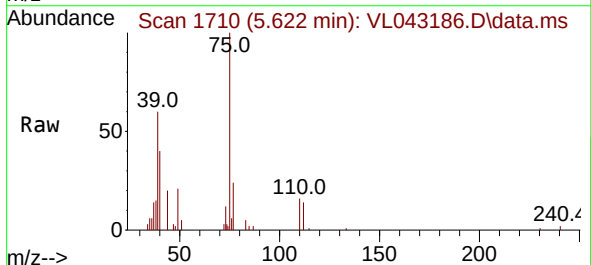
RT: 5.622 min Scan# 1710

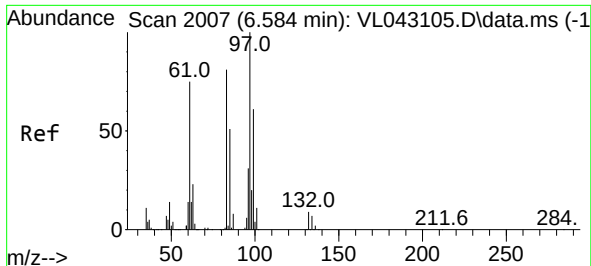
Delta R.T. 0.016 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Tgt Ion: 75 Resp: 8315
 Ion Ratio Lower Upper
 75 100
 39 60.5 51.0 76.6
 77 23.9 25.0 37.4





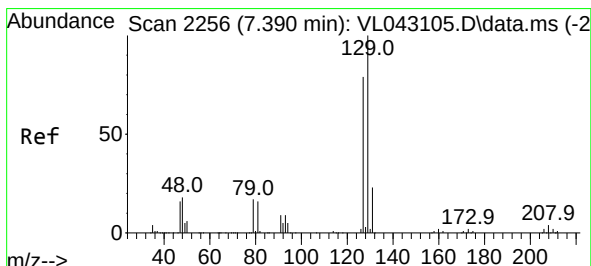
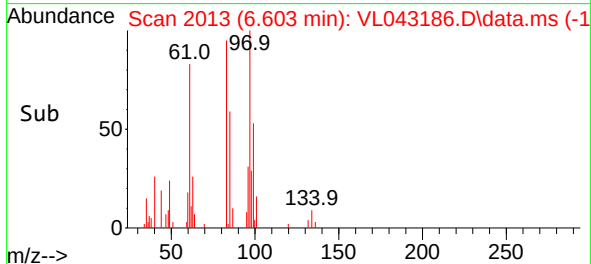
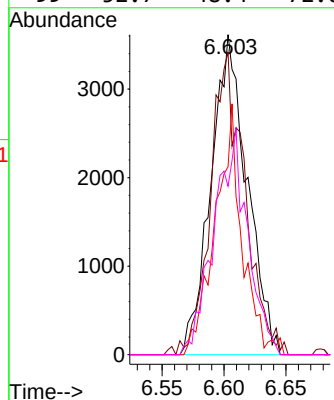
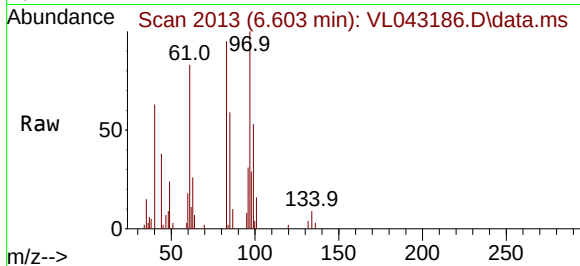
#47
1,1,2-Trichloroethane
Concen: 0.507 ppbv
RT: 6.603 min Scan# 2007
Delta R.T. 0.019 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

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

Tgt Ion: 97	Resp: 734
Ion Ratio	Lower Upper
97 100	
83 93.1	64.6 96.8
85 58.7	40.6 60.8
99 52.7	48.4 72.6

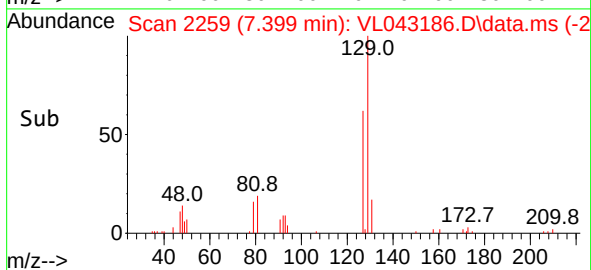
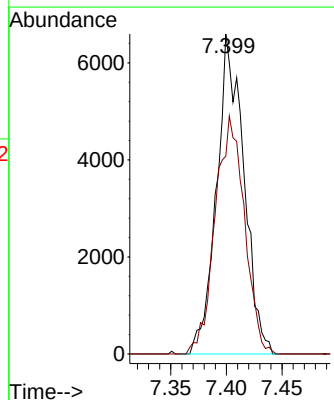
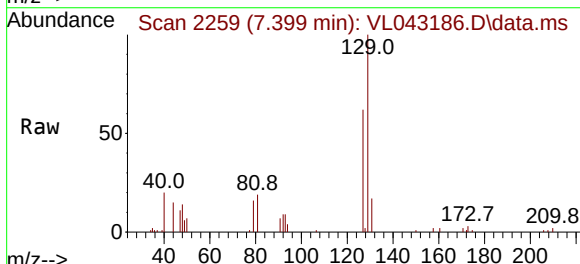
Manual Integrations
APPROVED

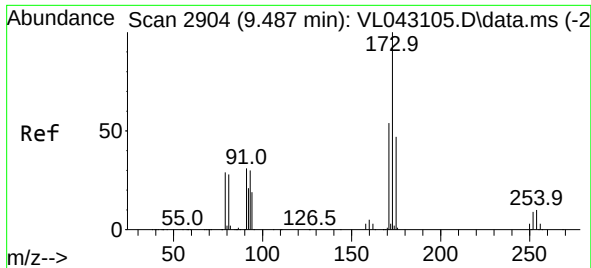
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#48
Dibromochloromethane
Concen: 0.462 ppbv m
RT: 7.399 min Scan# 2259
Delta R.T. 0.010 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion:129	Resp:	11174	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.3	117.9#





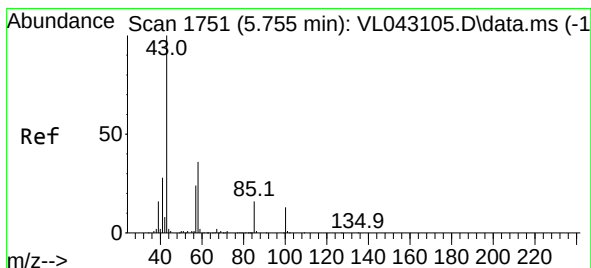
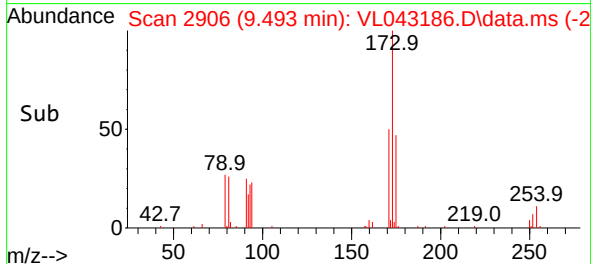
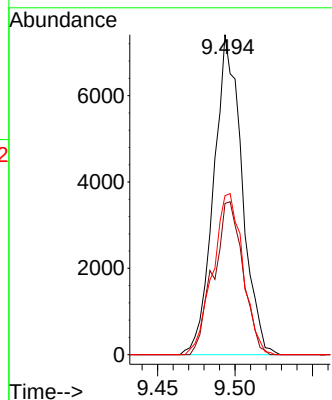
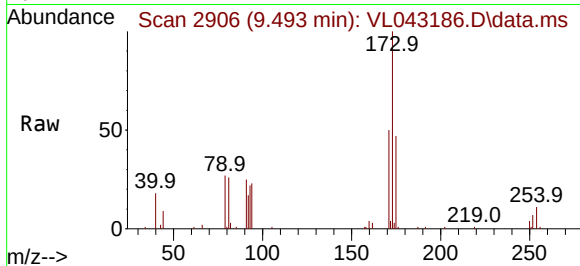
#49
Bromoform
Concen: 0.477 ppbv
RT: 9.493 min Scan# 2904
Delta R.T. 0.006 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

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

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

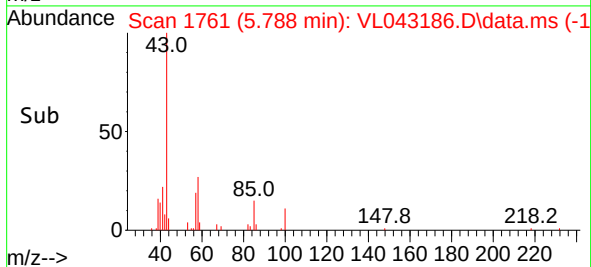
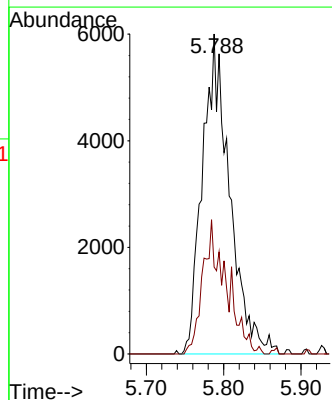
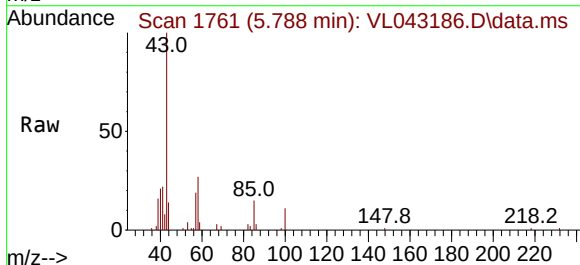
Manual Integrations
APPROVED

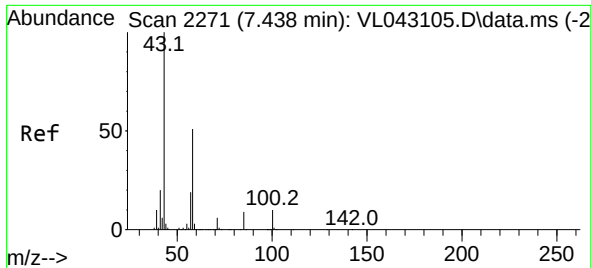
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#50
4-Methyl-2-Pentanone
Concen: 0.405 ppbv m
RT: 5.788 min Scan# 1761
Delta R.T. 0.032 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

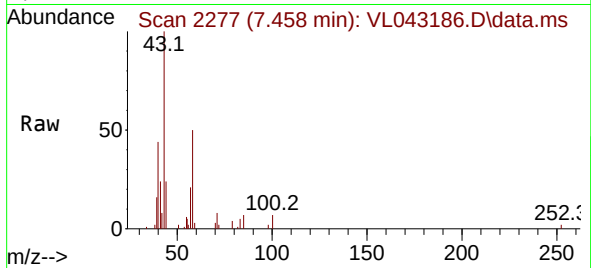
Tgt Ion: 43 Resp: 14628
Ion Ratio Lower Upper
43 100
58 36.6 29.1 43.7





#51
2-Hexanone
Concen: 0.302 ppbv m
RT: 7.458 min Scan# 2183
Delta R.T. 0.019 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

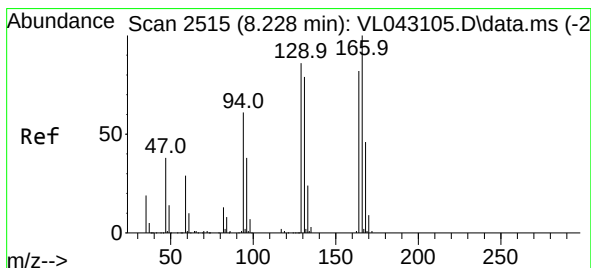
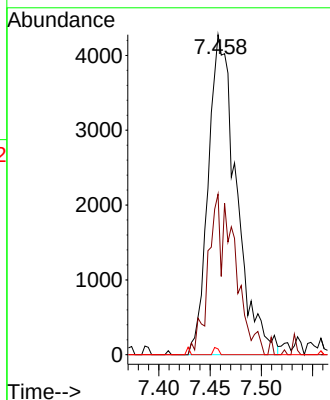
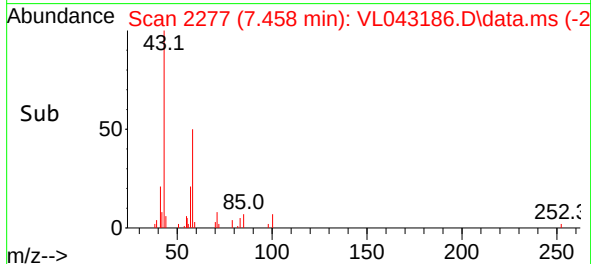
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



Tgt Ion: 43 Resp: 818
Ion Ratio Lower Upper
43 100
58 47.6 40.4 60.6
98 0.4 0.1 0.1

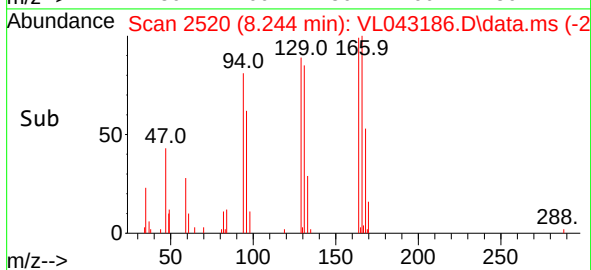
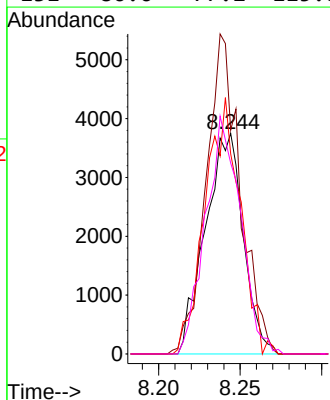
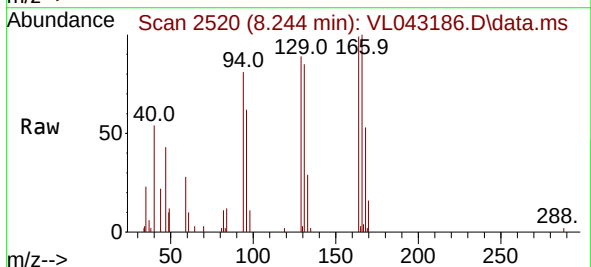
Manual Integrations
APPROVED

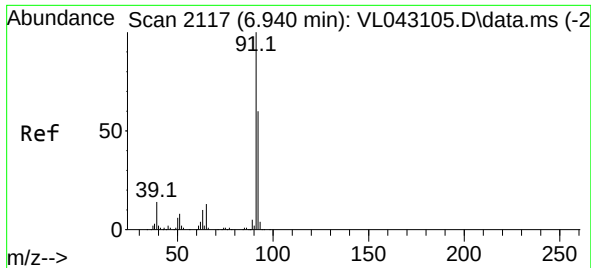
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



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

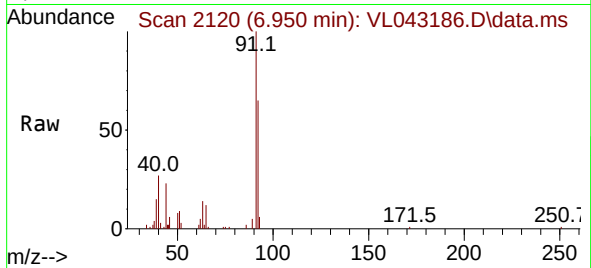
Tgt Ion:164 Resp: 6056
Ion Ratio Lower Upper
164 100
166 101.5 97.6 146.4
129 90.7 84.5 126.7
131 86.6 77.2 115.8





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

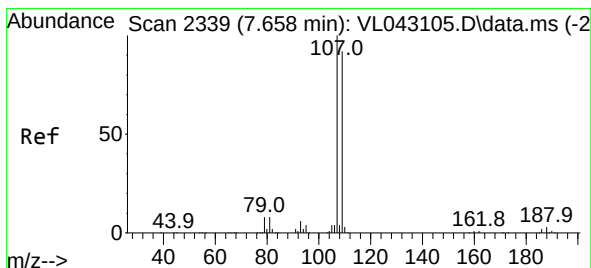
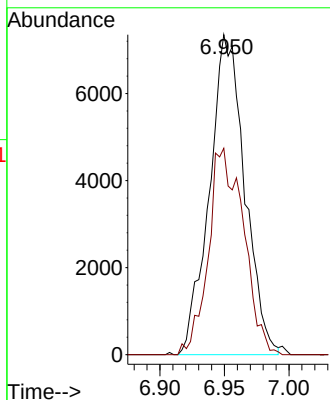
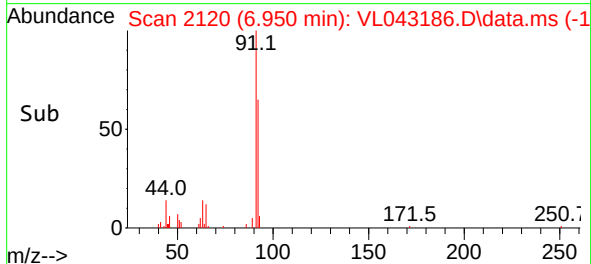
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



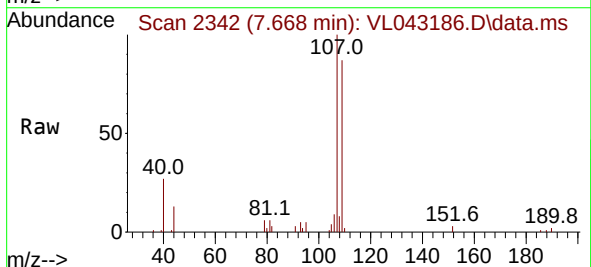
Tgt Ion: 91 Resp: 1400
Ion Ratio Lower Upper
91 100
92 64.0 48.8 73.2

Manual Integrations
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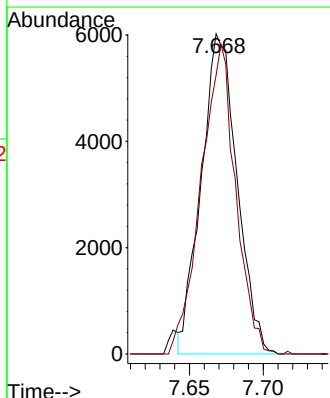
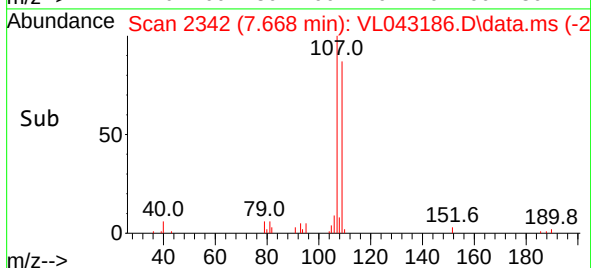
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

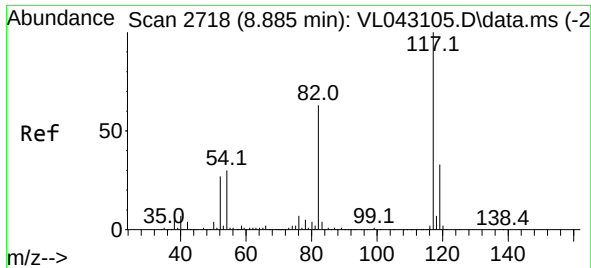


#54
1,2-Dibromoethane
Concen: 0.448 ppbv
RT: 7.668 min Scan# 2342
Delta R.T. 0.010 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13



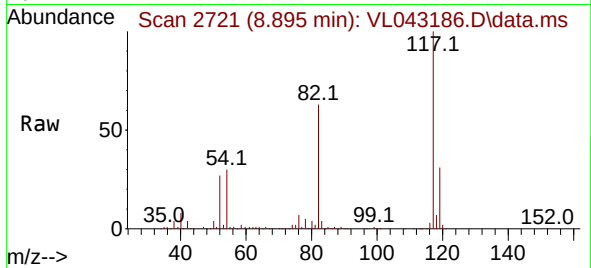
Tgt Ion:107 Resp: 10167
Ion Ratio Lower Upper
107 100
109 87.1 73.4 110.2





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

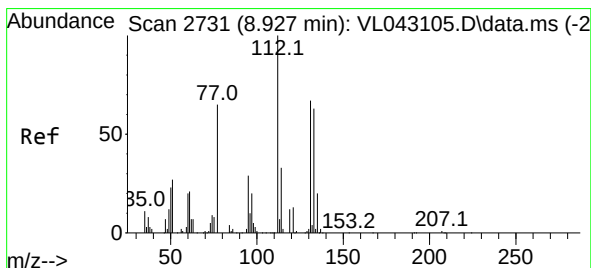
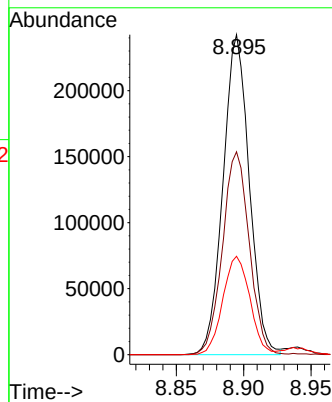
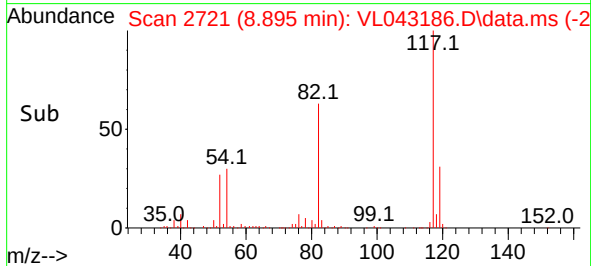
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



Tgt Ion:117 Resp: 32840
Ion Ratio Lower Upper
117 100
82 65.0 53.8 80.8
119 33.9 25.4 38.0

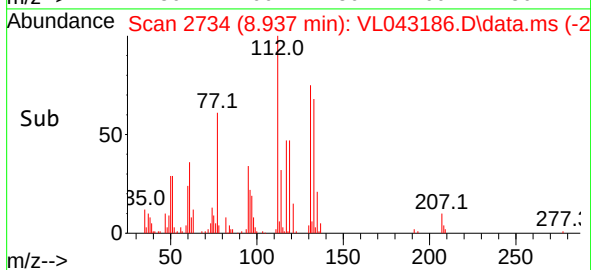
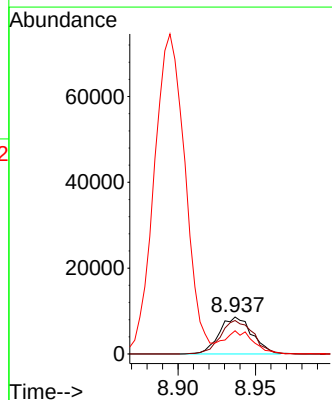
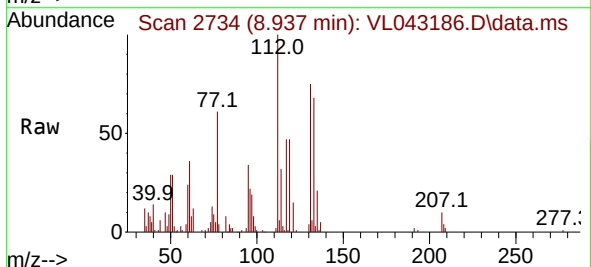
Manual Integrations
APPROVED

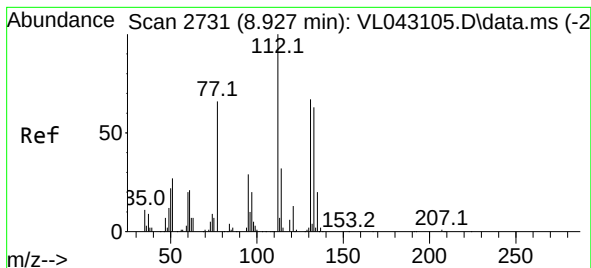
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



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

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





#57

Chlorobenzene

Concen: 0.547 ppbv

RT: 8.937 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

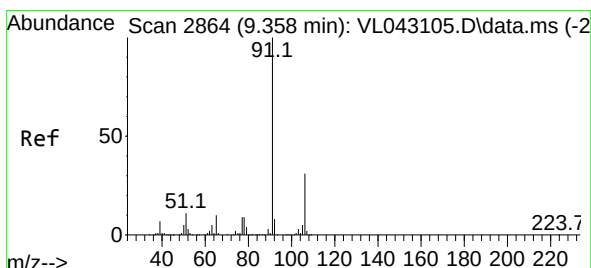
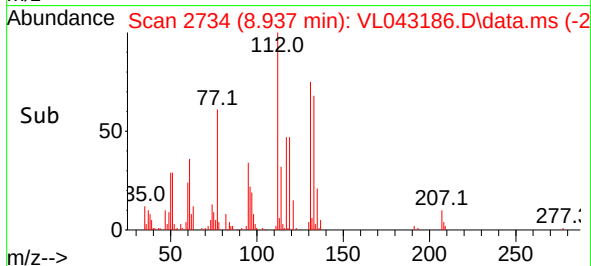
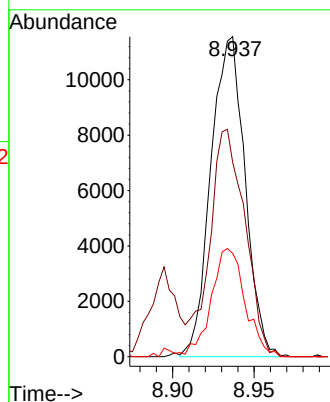
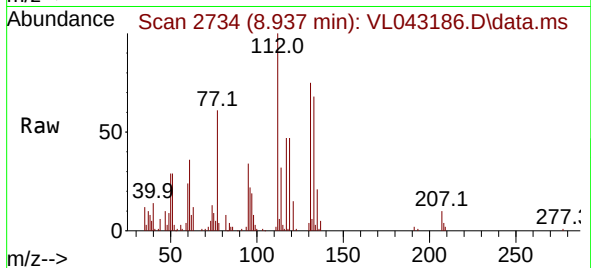
Tgt Ion:112 Resp: 1680

Ion	Ratio	Lower	Upper
112	100		
77	60.3	53.3	79.9
114	32.3	29.3	35.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#58

Ethyl Benzene

Concen: 0.334 ppbv

RT: 9.367 min Scan# 2867

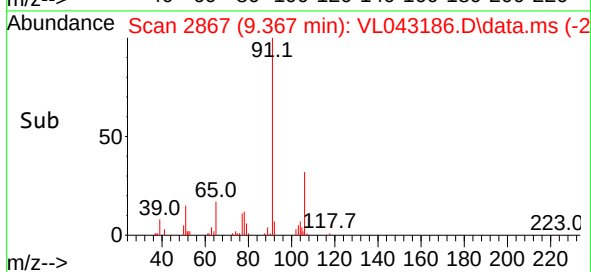
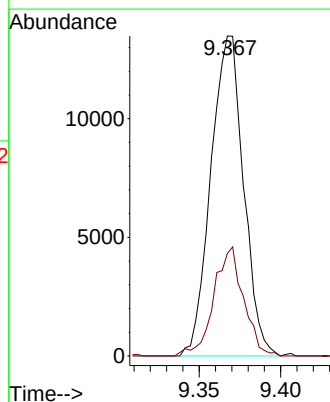
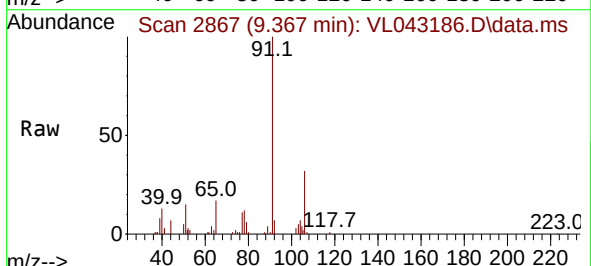
Delta R.T. 0.010 min

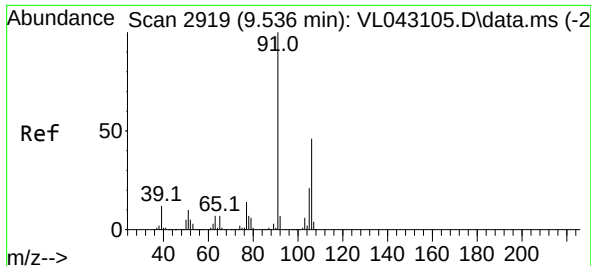
Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Tgt Ion: 91 Resp: 18811

Ion	Ratio	Lower	Upper
91	100		
106	32.0	24.8	37.2





#59

m/p-Xylene

Concen: 0.692 ppbv m

RT: 9.561 min Scan# 2919

Delta R.T. 0.026 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Instrument :

MSVOA_L

ClientSampleId :

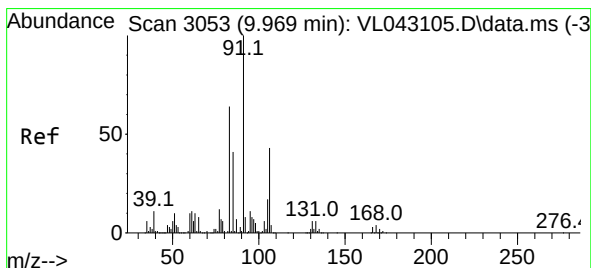
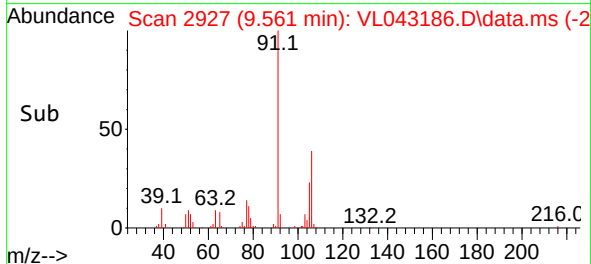
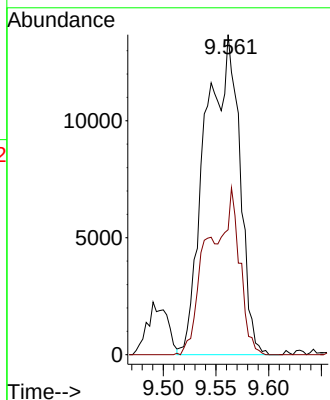
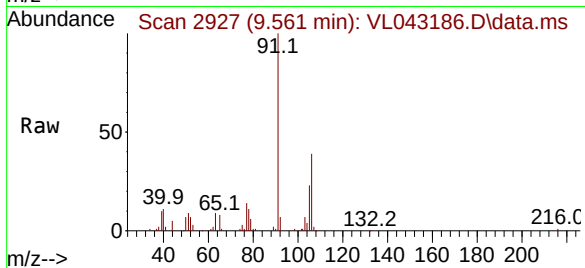
MDL-AIR-03-QT4-2025

Tgt Ion: 91 Resp: 31080
 Ion Ratio Lower Upper
 91 100
 106 0.0 38.0 57.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025
 Supervised By :Mahesh Dadoda 11/13/2025



#60

o-Xylene

Concen: 0.346 ppbv

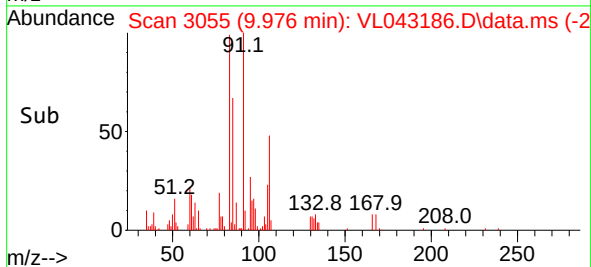
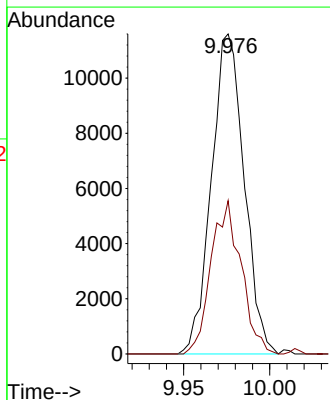
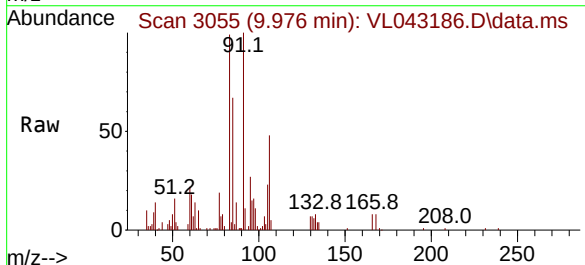
RT: 9.976 min Scan# 3055

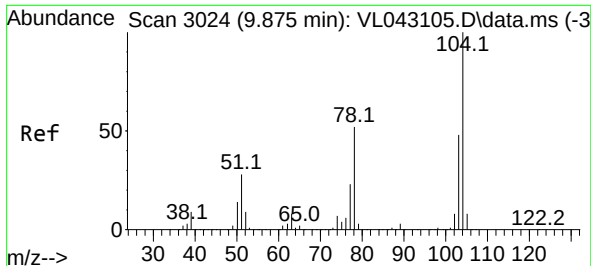
Delta R.T. 0.007 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

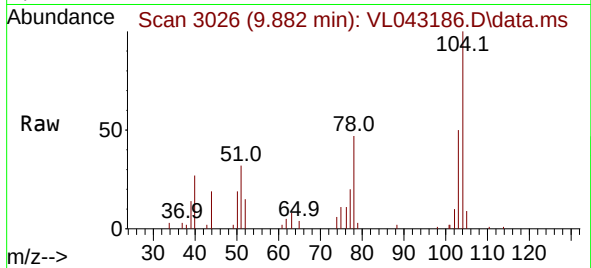
Tgt Ion: 91 Resp: 15358
 Ion Ratio Lower Upper
 91 100
 106 44.5 21.9 65.8





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

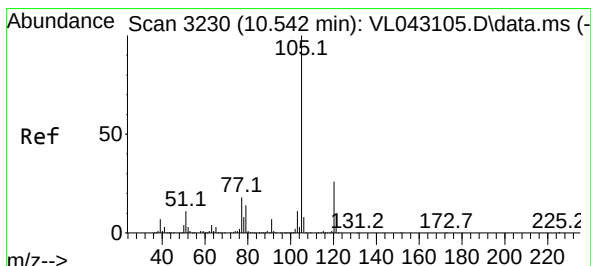
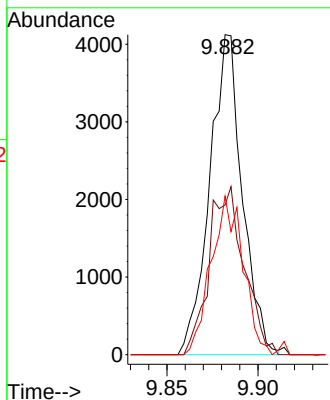
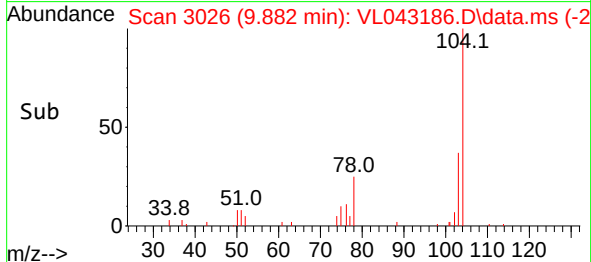
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



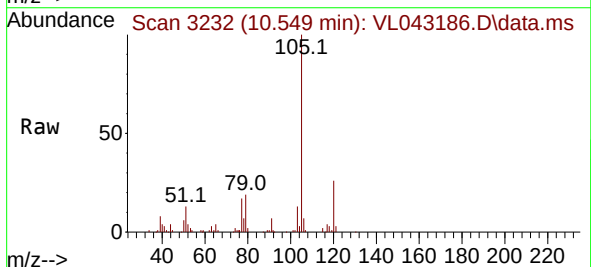
Tgt Ion:104 Resp: 5112
Ion Ratio Lower Upper
104 100
78 56.5 40.2 60.2
103 49.8 36.9 55.3

Manual Integrations
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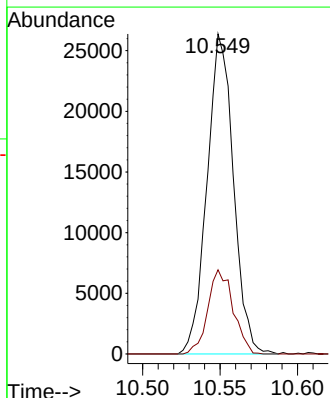
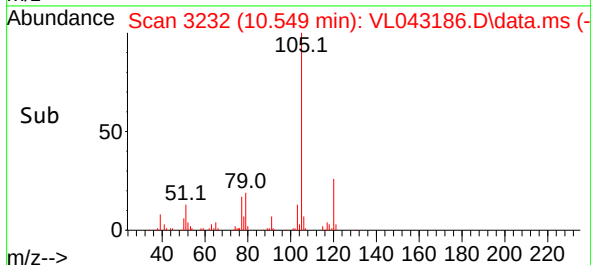
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

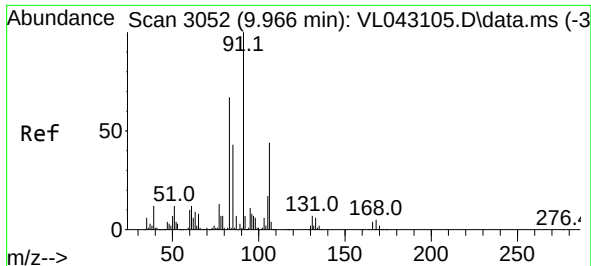


#62
Isopropylbenzene
Concen: 0.390 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. 0.007 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13



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





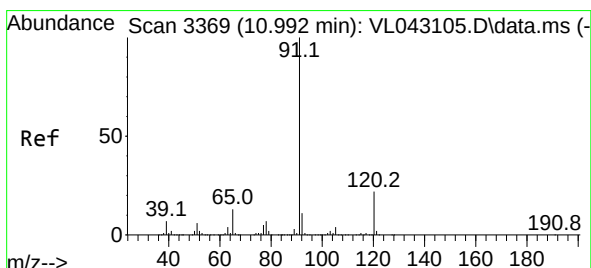
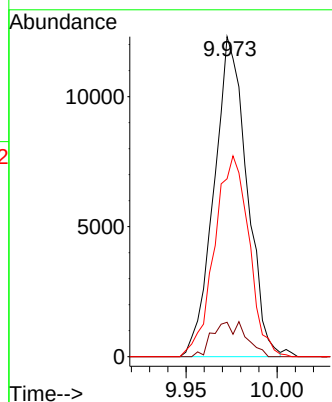
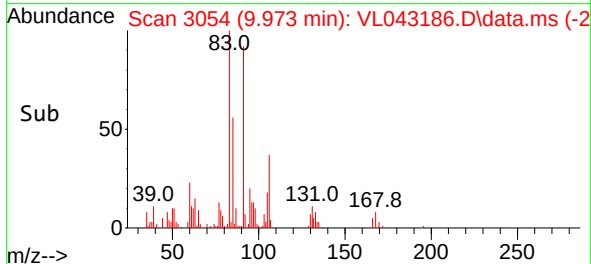
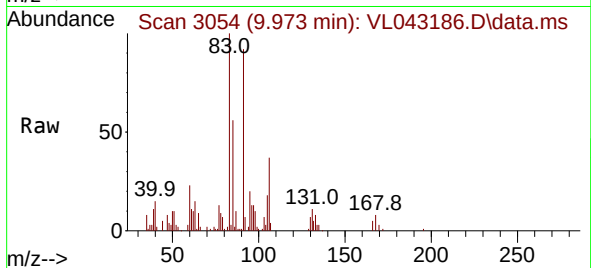
#63
1,1,2,2-Tetrachloroethane
Concen: 0.519 ppbv
RT: 9.973 min Scan# 3054
Delta R.T. 0.006 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

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

Tgt Ion: 83 Resp: 1542
Ion Ratio Lower Upper
83 100
131 11.1 4.8 14.3
85 66.0 32.0 96.0

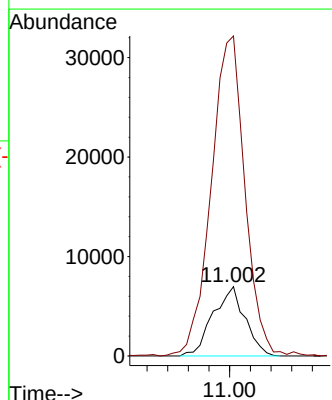
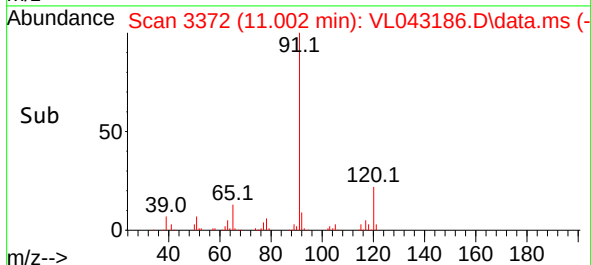
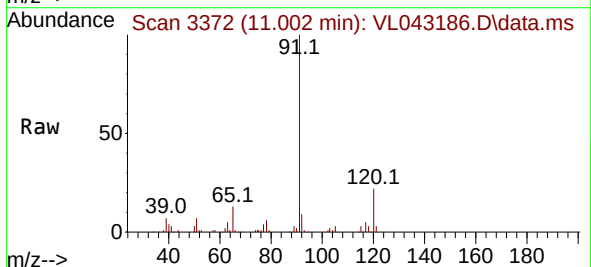
Manual Integrations
APPROVED

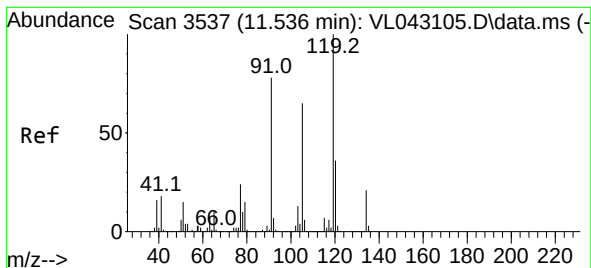
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#64
n-propylbenzene
Concen: 0.353 ppbv
RT: 11.002 min Scan# 3372
Delta R.T. 0.010 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

Tgt Ion:120 Resp: 7494
Ion Ratio Lower Upper
120 100
91 484.8 361.6 542.4





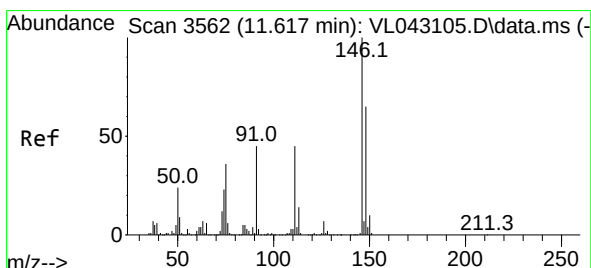
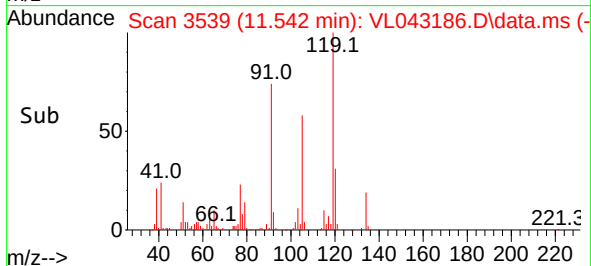
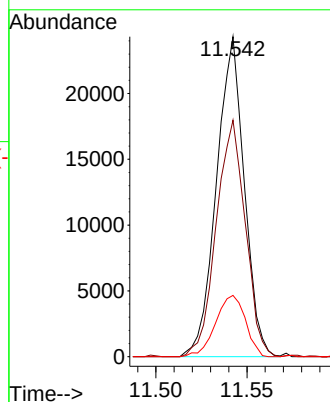
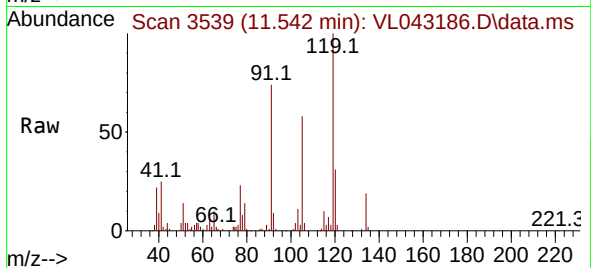
#65
tert-Butylbenzene
Concen: 0.364 ppbv
RT: 11.542 min Scan# 3537
Delta R.T. 0.006 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

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

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

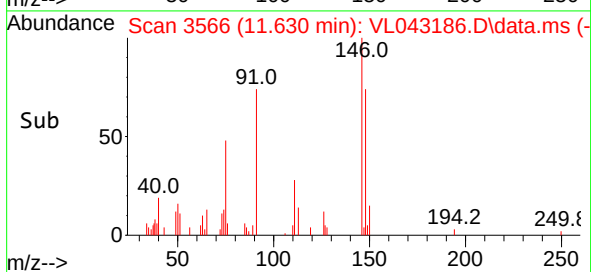
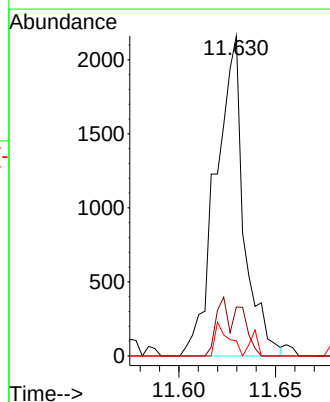
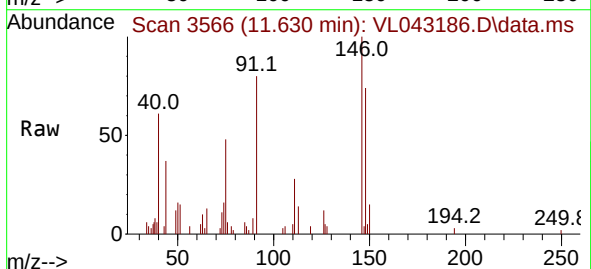
Manual Integrations
APPROVED

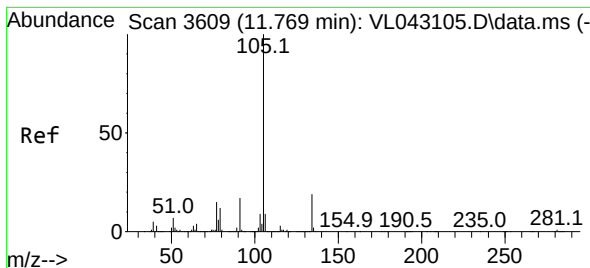
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



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

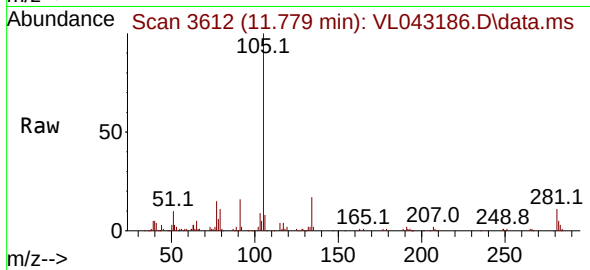
Tgt Ion: 91 Resp: 2182
Ion Ratio Lower Upper
91 100
126 15.8 14.6 22.0
128 7.4 4.6 6.8#





#67
 sec-Butylbenzene
 Concen: 0.383 ppbv
 RT: 11.779 min Scan# 3609
 Delta R.T. 0.010 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13

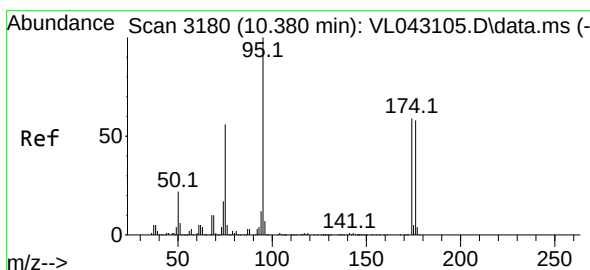
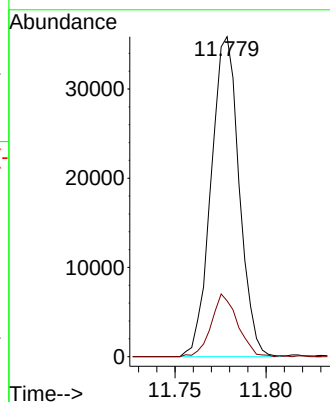
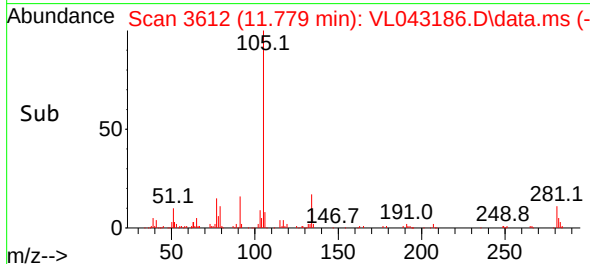
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025



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

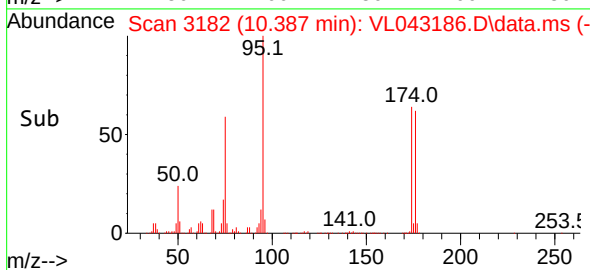
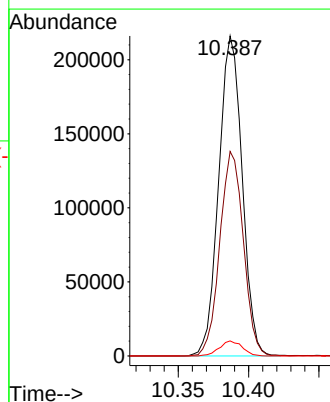
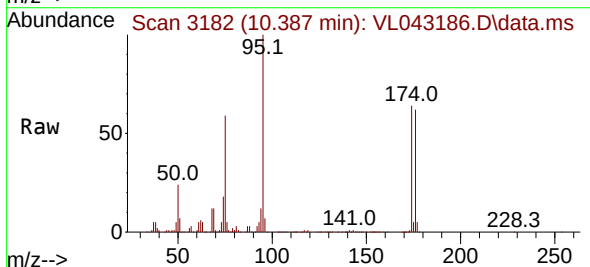
Manual Integrations
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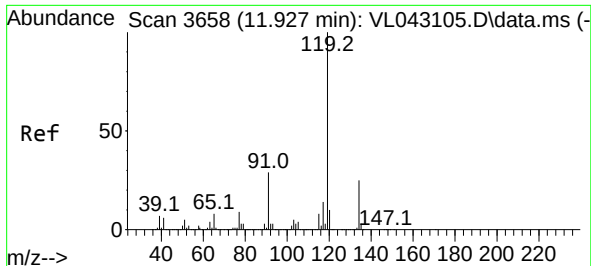
Reviewed By :Semsettin Yesilyurt 11/13/2025
 Supervised By :Mahesh Dadoda 11/13/2025



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

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





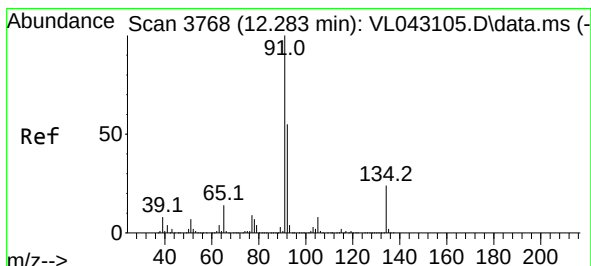
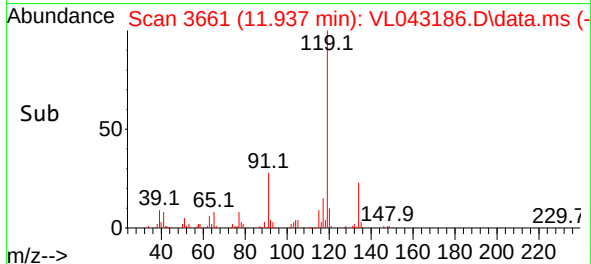
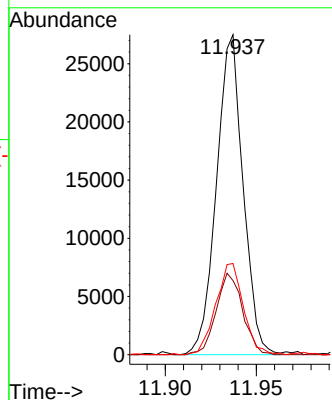
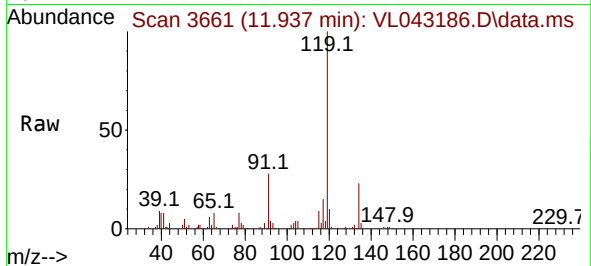
#69
p-Isopropyltoluene
Concen: 0.326 ppbv
RT: 11.937 min Scan# 3661
Delta R.T. 0.010 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

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

Tgt Ion: 119 Resp: 2788
Ion Ratio Lower Upper
119 100
134 25.3 20.3 30.5
91 30.4 22.6 33.8

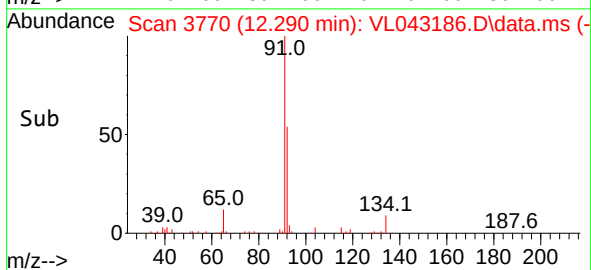
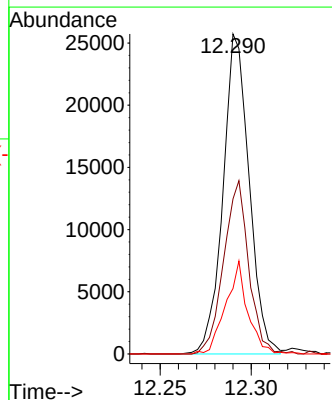
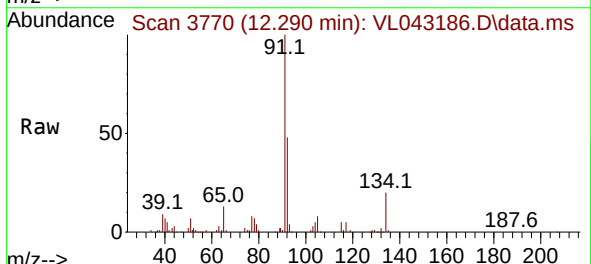
Manual Integrations
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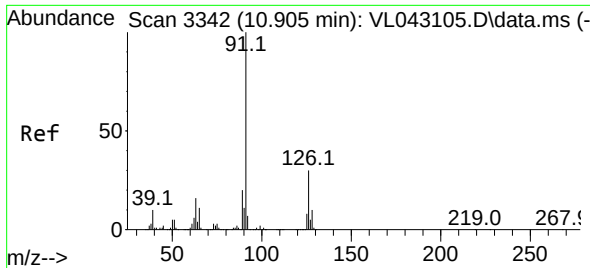
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



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

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





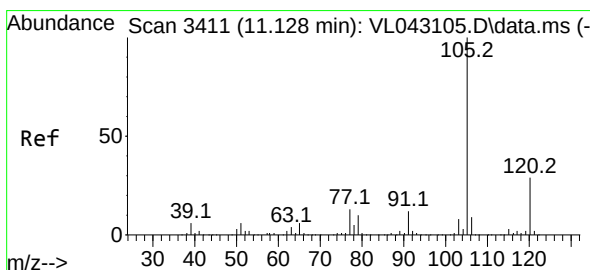
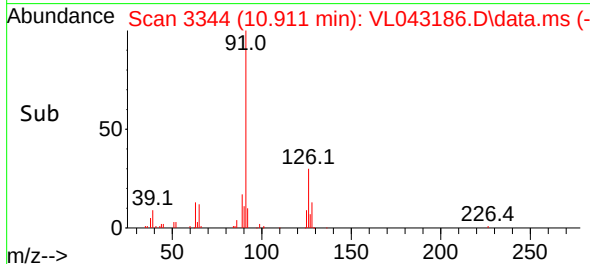
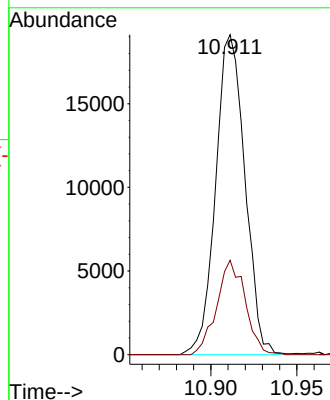
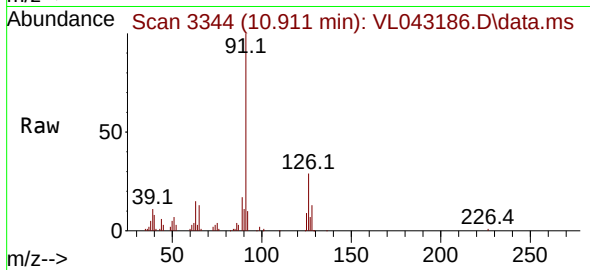
#71
2-Chlorotoluene
Concen: 0.370 ppbv
RT: 10.911 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL043186.D
Acq: 11 Nov 2025 12:13

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

Tgt Ion: 91 Resp: 22610
Ion Ratio Lower Upper
91 100
126 28.8 12.0 48.0

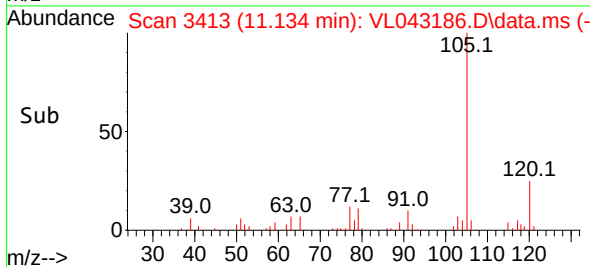
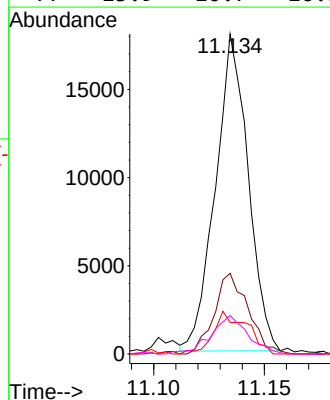
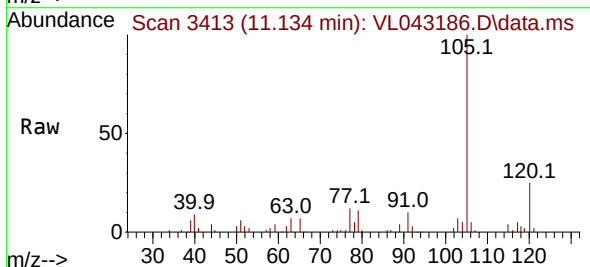
Manual Integrations
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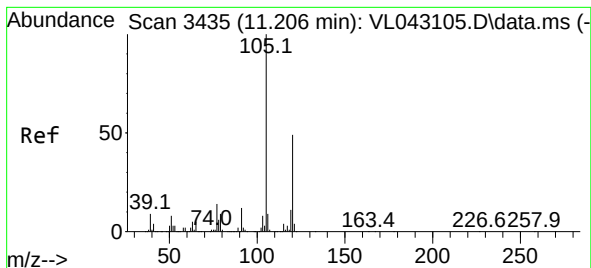
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



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

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





#73

1,3,5-Trimethylbenzene

Concen: 0.336 ppbv

RT: 11.215 min Scan# 3435

Delta R.T. 0.010 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

Tgt Ion:105 Resp: 15118

Ion Ratio Lower Upper

105 100

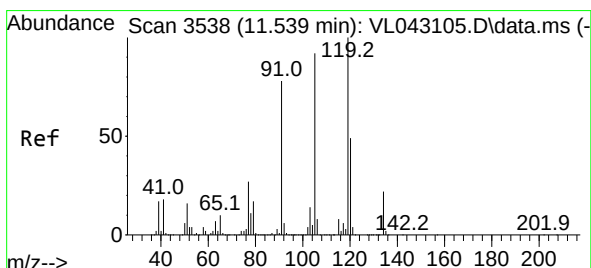
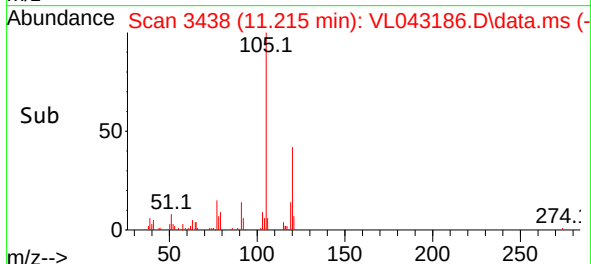
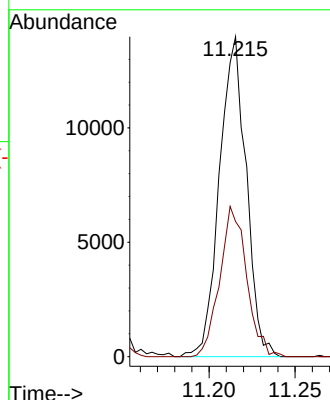
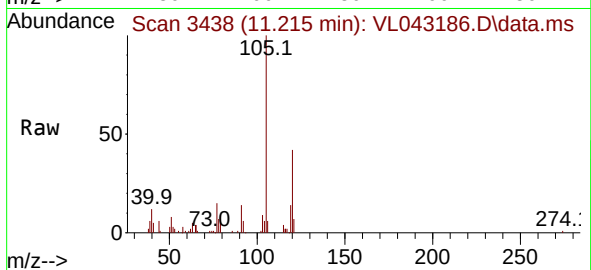
120 49.5 39.0 58.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025

Supervised By :Mahesh Dadoda 11/13/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.367 ppbv

RT: 11.546 min Scan# 3540

Delta R.T. 0.006 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Tgt Ion:105 Resp: 18501

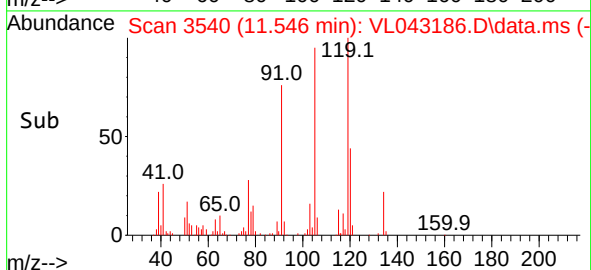
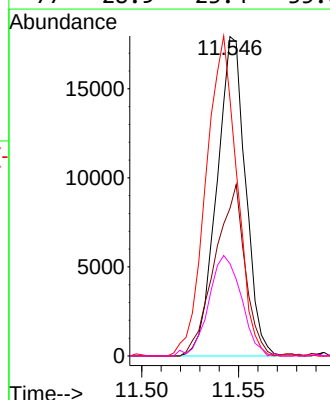
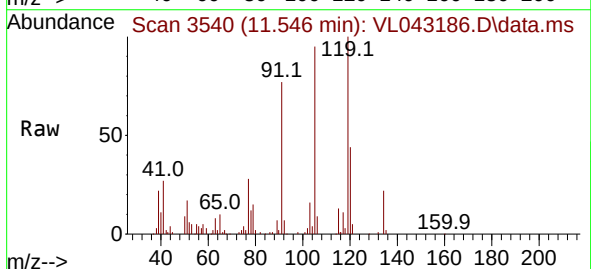
Ion Ratio Lower Upper

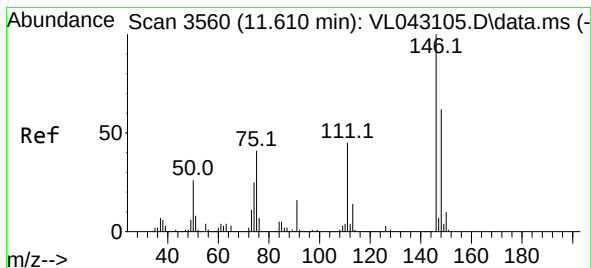
105 100

120 46.2 42.8 64.2

91 80.1 68.3 102.5

77 28.9 23.4 35.0





#75

1,3-Dichlorobenzene

Concen: 0.500 ppbv

RT: 11.617 min Scan# 3562

Delta R.T. 0.006 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Instrument :

MSVOA_L

ClientSampleId :

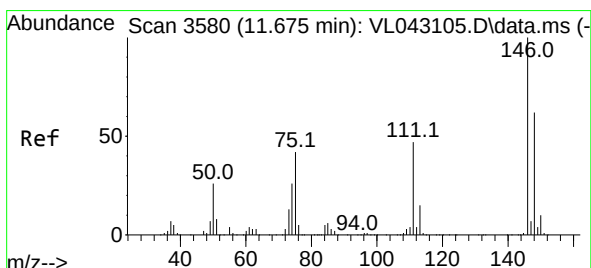
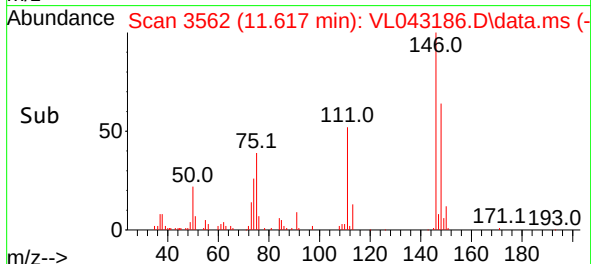
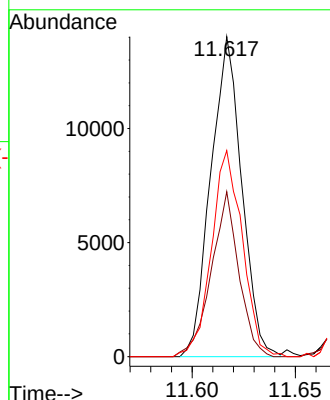
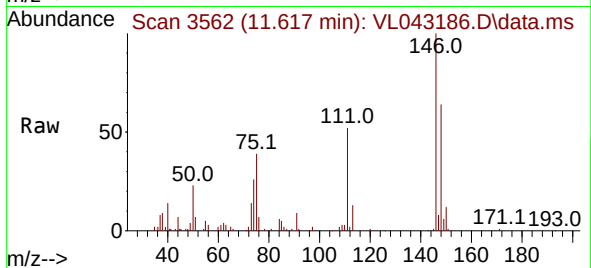
MDL-AIR-03-QT4-2025

Tgt Ion:146	Resp:	14610
Ion Ratio	Lower	Upper
146	100	
111	45.8	23.3 69.9
148	64.2	31.6 95.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#76

1,4-Dichlorobenzene

Concen: 0.445 ppbv

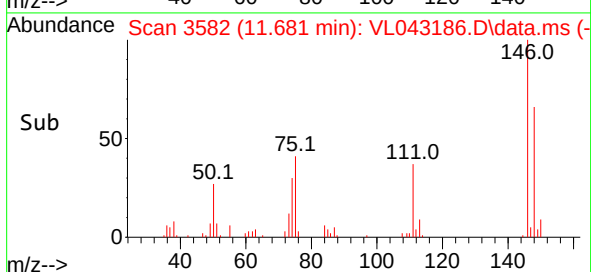
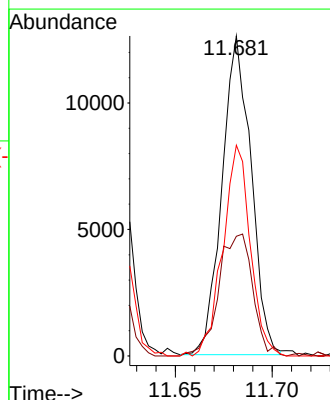
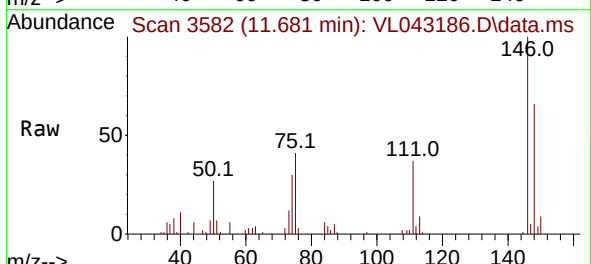
RT: 11.681 min Scan# 3582

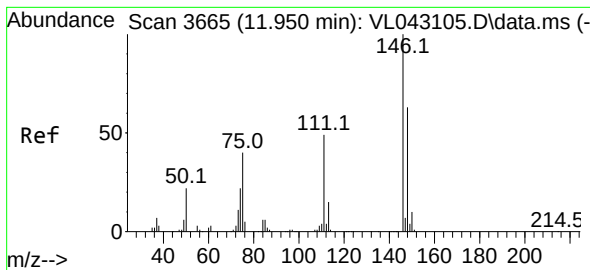
Delta R.T. 0.006 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Tgt Ion:146	Resp:	13121
Ion Ratio	Lower	Upper
146	100	
111	45.4	22.4 67.0
148	62.9	31.6 94.7





#77

1,2-Dichlorobenzene

Concen: 0.516 ppbv

RT: 11.957 min Scan# 30

Delta R.T. 0.006 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

Instrument :

MSVOA_L

ClientSampleId :

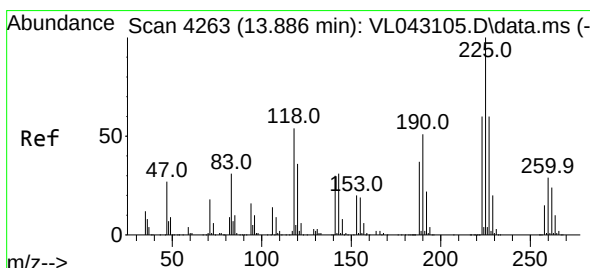
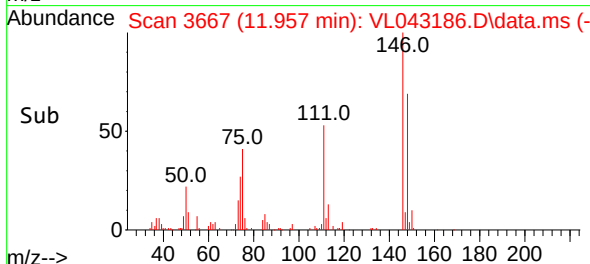
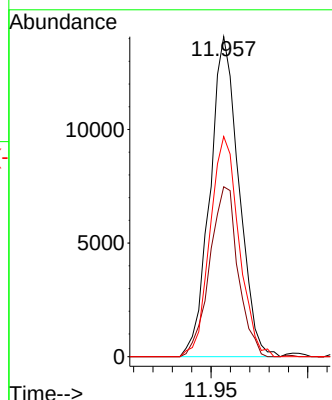
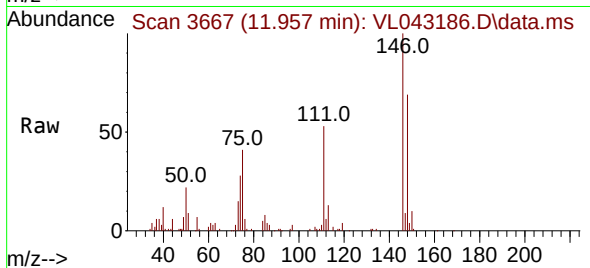
MDL-AIR-03-QT4-2025

Tgt Ion:	146	Resp:	1459
Ion Ratio	Lower	Upper	
146	100		
111	52.3	24.0	72.0
148	69.0	31.1	93.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#78

Hexachloro-1,3-Butadiene

Concen: 0.570 ppbv

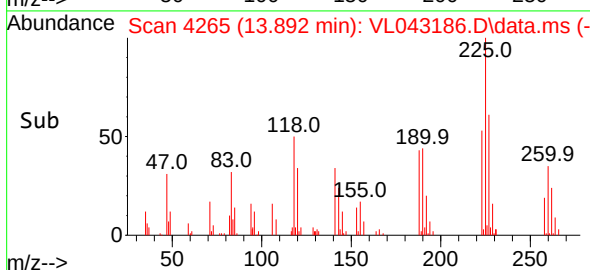
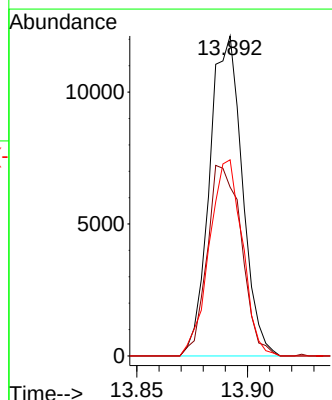
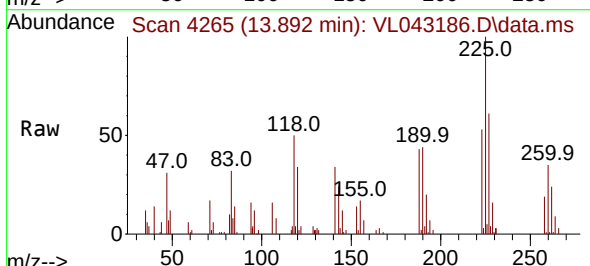
RT: 13.892 min Scan# 4265

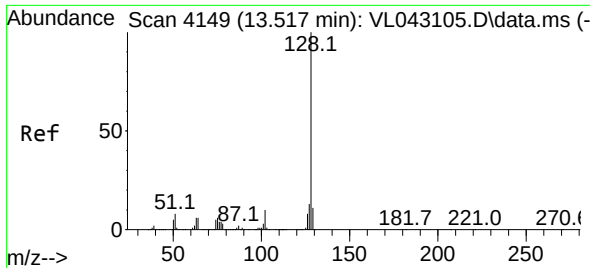
Delta R.T. 0.006 min

Lab File: VL043186.D

Acq: 11 Nov 2025 12:13

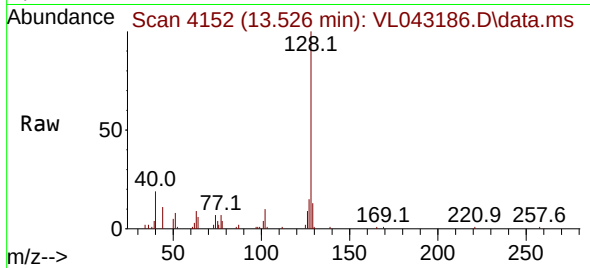
Tgt Ion:	225	Resp:	12468
Ion Ratio	Lower	Upper	
225	100		
223	62.4	50.2	75.4
227	61.9	49.6	74.4





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

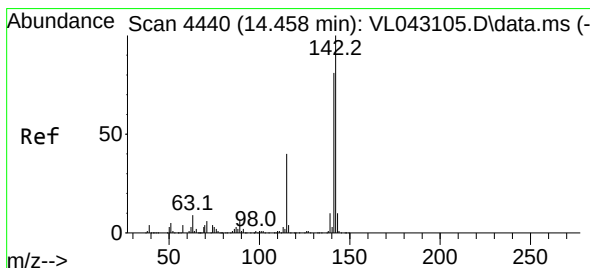
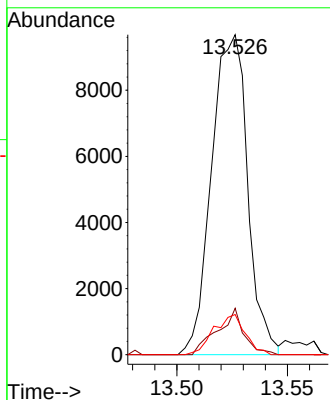
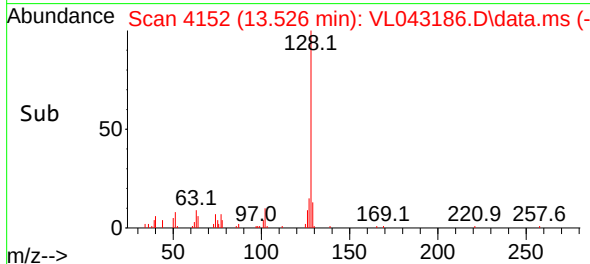
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



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

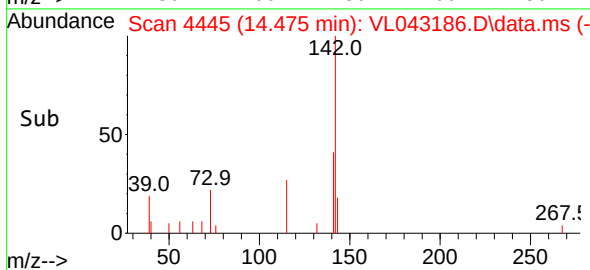
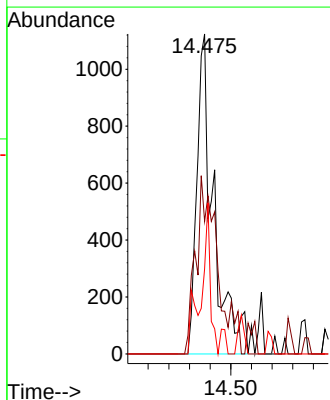
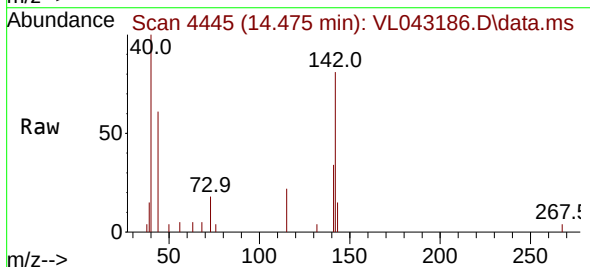
Manual Integrations
APPROVED

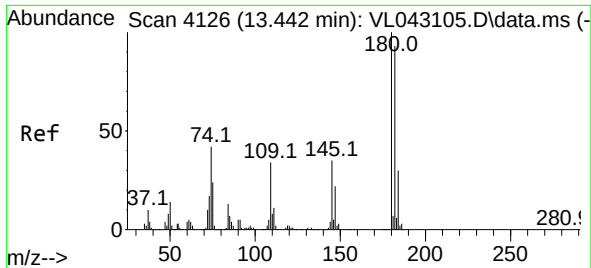
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



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

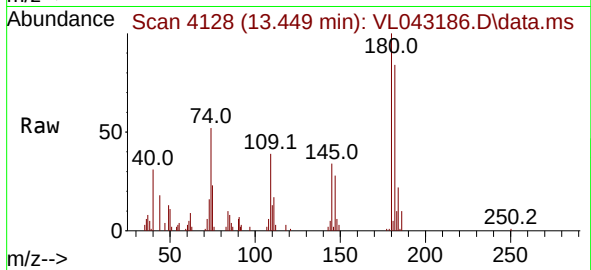
Tgt Ion:142 Resp: 1343
Ion Ratio Lower Upper
142 100
141 72.4 64.6 97.0
115 27.3 30.2 45.4#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.238 ppbv m
 RT: 13.449 min Scan# 41
 Delta R.T. 0.007 min
 Lab File: VL043186.D
 Acq: 11 Nov 2025 12:13

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



Tgt Ion:	180	Resp:	520
Ion Ratio	Lower	Upper	
180	100		
182	91.5	75.5	113.3
184	32.3	23.9	35.9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025
 Supervised By :Mahesh Dadoda 11/13/2025

