

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

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

Quant Time: Nov 12 00:19:12 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 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	2.800	49	140266	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	380377	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.895	117	320917	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	245506	9.842	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.505	85	9570	0.480	ppbv	98
3) Chlorodifluoromethane	1.483	51	9818	0.455	ppbv	99
4) Chloromethane	1.541	50	3489	0.442	ppbv	93
5) Vinyl Chloride	1.586	62	2927	0.378	ppbv	97
6) Bromomethane	1.677	94	1777	0.418	ppbv	91
7) Chloroethane	1.712	64	1416	0.447	ppbv #	85
8) Dichlorotetrafluoroethane	1.560	85	6771	0.420	ppbv #	80
9) Propene	1.489	41	3325	0.347	ppbv	100
10) Heptane	4.998	43	8020m	0.291	ppbv	
11) Trichlorofluoromethane	1.887	101	9738	0.499	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.149	101	7542	0.480	ppbv	94
13) Ethanol	1.729	45	1780	0.503	ppbv	89
14) Bromoethene	1.790	108	2791	0.478	ppbv #	91
15) Acetone	1.842	43	11108	0.588	ppbv	96
16) 1,3-Butadiene	1.615	39	3076	0.341	ppbv	95
17) tert-Butyl alcohol	2.049	59	10444	0.402	ppbv #	93
18) 1,1-Dichloroethene	2.046	96	3172	0.463	ppbv #	65
19) Isopropyl Alcohol	1.894	45	4905	0.417	ppbv #	40
20) Methylene Chloride	2.072	84	4475	0.599	ppbv #	87
21) Allyl Chloride	2.107	41	5671	0.407	ppbv	96
22) trans-1,2-Dichloroethene	2.353	96	3747	0.458	ppbv	86
23) Vinyl Acetate	2.473	43	12963	0.468	ppbv #	90
24) 1,1-Dichloroethane	2.421	63	6967	0.441	ppbv #	91
25) Ethyl Acetate	2.848	43	18408	0.393	ppbv	98
26) Hexane	2.842	57	7568	0.350	ppbv	85
27) Carbon Disulfide	2.162	76	8478	0.428	ppbv #	1
28) Methyl tert-Butyl Ether	2.454	73	3886	0.395	ppbv	95
29) Chloroform	2.861	83	14041	0.449	ppbv	97
30) Cyclohexane	3.874	84	5082	0.270	ppbv	90
31) cis-1,2-Dichloroethene	2.732	61	8290	0.402	ppbv	93
32) 1,1,1-Trichloroethane	3.379	97	12676	0.389	ppbv	97
34) 2-Butanone	2.570	43	12933	0.506	ppbv	98
35) Carbon Tetrachloride	3.781	117	13417	0.491	ppbv	95
36) Benzene	3.671	78	15702	0.438	ppbv	97
37) 1,2-Dichloroethane	3.234	62	9814	0.476	ppbv #	92
38) Trichloroethene	4.567	130	6497	0.434	ppbv	89
39) 1,2-Dichloropropane	4.337	63	6645	0.507	ppbv #	90
40) 1,4-Dioxane	4.616	88	1974m	0.337	ppbv	
41) Tetrahydrofuran	3.072	42	5706m	0.399	ppbv	
42) Bromodichloromethane	4.506	83	13725m	0.480	ppbv	
43) Methyl Methacrylate	4.897	69	5608m	0.308	ppbv	
44) 2,2,4-Trimethylpentane	4.664	57	22123	0.366	ppbv #	90
45) t-1,3-Dichloropropene	6.441	75	5812m	0.318	ppbv	

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 Supervised By :Mahesh Dadoda 11/13/2025

Quant Time: Nov 12 00:19:12 2025

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

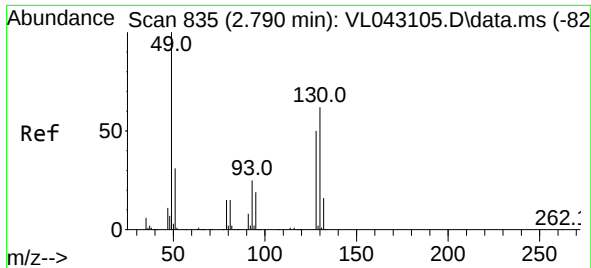
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2025

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	5.626	75	6746m	0.309	ppbv	
47) 1,1,2-Trichloroethane	6.600	97	6704m	0.474	ppbv	
48) Dibromochloromethane	7.406	129	10914	0.462	ppbv	91
49) Bromoform	9.493	173	8544	0.444	ppbv	97
50) 4-Methyl-2-Pentanone	5.787	43	12158m	0.345	ppbv	
51) 2-Hexanone	7.461	43	7167m	0.271	ppbv	
52) Tetrachloroethene	8.247	164	5803m	0.449	ppbv	
53) Toluene	6.953	91	12313	0.290	ppbv	99
54) 1,2-Dibromoethane	7.671	107	9170	0.414	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.940	131	10992	0.543	ppbv #	1
57) Chlorobenzene	8.933	112	14668	0.489	ppbv	95
58) Ethyl Benzene	9.367	91	16450	0.299	ppbv	98
59) m/p-Xylene	9.568	91	25479m	0.580	ppbv	
60) o-Xylene	9.976	91	12447	0.287	ppbv	98
61) Styrene	9.882	104	4400m	0.225	ppbv	
62) Isopropylbenzene	10.548	105	26984	0.344	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.979	83	13994	0.482	ppbv	93
64) n-propylbenzene	10.998	120	6486	0.312	ppbv	97
65) tert-Butylbenzene	11.542	119	20472	0.296	ppbv	97
66) Benzyl Chloride	11.626	91	1924m	0.250	ppbv	
67) sec-Butylbenzene	11.775	105	32393	0.330	ppbv	100
69) p-Isopropyltoluene	11.937	119	23487	0.281	ppbv	94
70) n-Butylbenzene	12.293	91	21963	0.267	ppbv	98
71) 2-Chlorotoluene	10.914	91	18155	0.304	ppbv	96
72) 4-Ethyltoluene	11.134	105	14989	0.281	ppbv #	98
73) 1,3,5-Trimethylbenzene	11.215	105	12747	0.290	ppbv	100
74) 1,2,4-Trimethylbenzene	11.545	105	15274	0.310	ppbv	93
75) 1,3-Dichlorobenzene	11.617	146	12941	0.453	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	11333	0.394	ppbv	96
77) 1,2-Dichlorobenzene	11.956	146	13460	0.487	ppbv	98
78) Hexachloro-1,3-Butadiene	13.892	225	10223	0.478	ppbv	95
79) Naphthalene	13.526	128	9166	0.178	ppbv #	87
80) Naphthalene,2-methyl-	14.474	142	1088	0.081	ppbv	98
81) 1,2,4-Trichlorobenzene	13.448	180	4454	0.209	ppbv	97

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



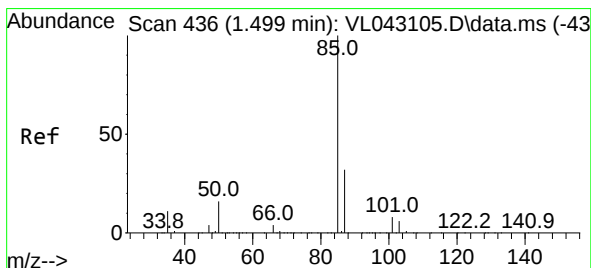
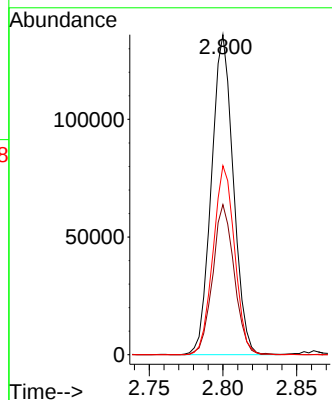
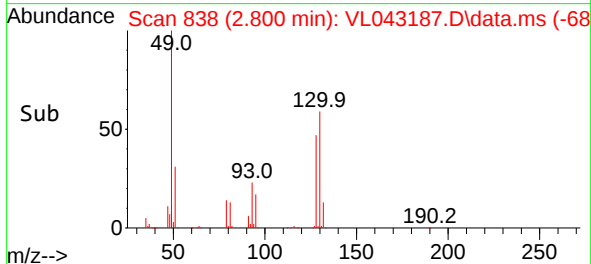
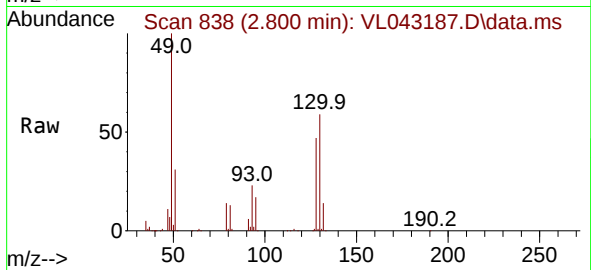
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

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

Tgt Ion: 49 Resp: 140260
Ion Ratio Lower Upper
49 100
128 46.2 24.4 73.4
130 58.2 31.0 93.0

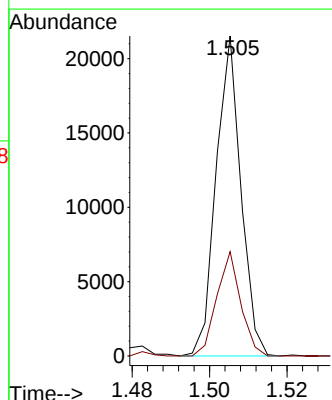
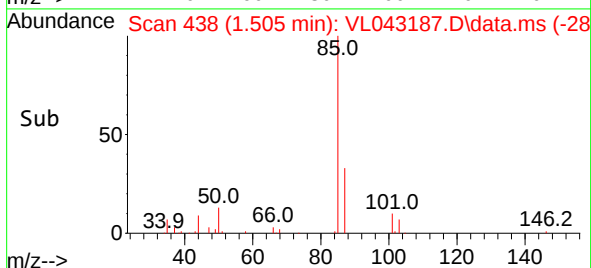
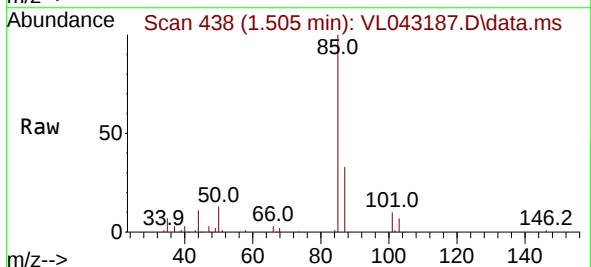
Manual Integrations
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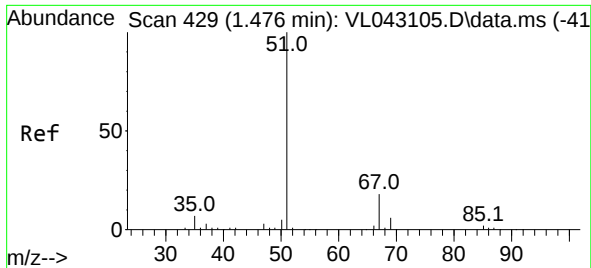
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



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

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





#3

Chlorodifluoromethane

Concen: 0.455 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

Tgt Ion: 51 Resp: 9818

Ion Ratio Lower Upper

51 100

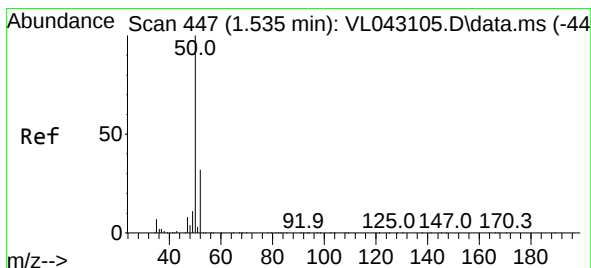
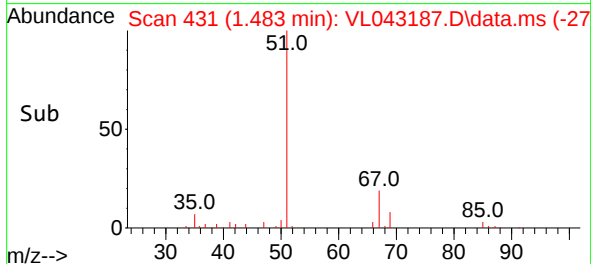
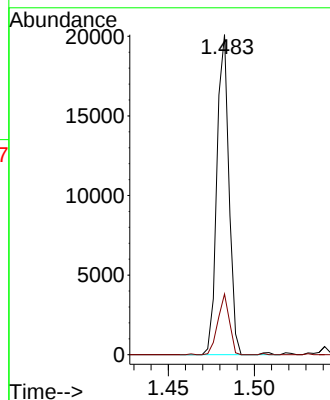
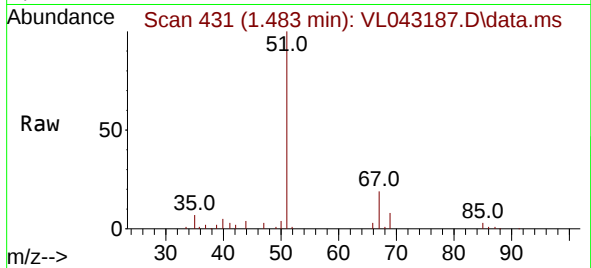
67 18.2 15.1 22.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/13/2025

Supervised By :Mahesh Dadoda 11/13/2025



#4

Chloromethane

Concen: 0.442 ppbv

RT: 1.541 min Scan# 449

Delta R.T. 0.006 min

Lab File: VL043187.D

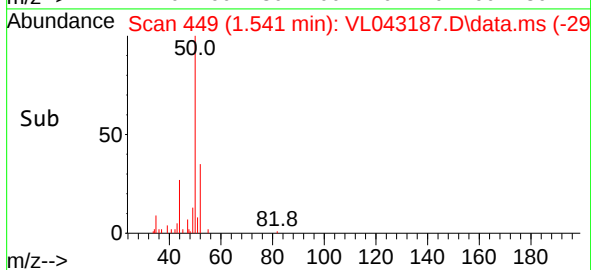
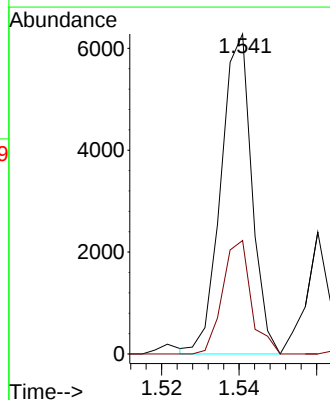
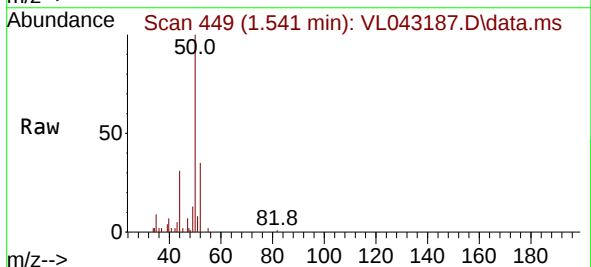
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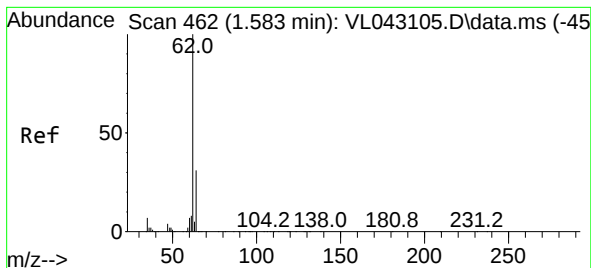
Tgt Ion: 50 Resp: 3489

Ion Ratio Lower Upper

50 100

52 35.5 25.2 37.8





#5

Vinyl Chloride

Concen: 0.378 ppbv

RT: 1.586 min Scan# 40

Delta R.T. 0.003 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

Tgt Ion: 62 Resp: 292

Ion Ratio Lower Upper

62 100

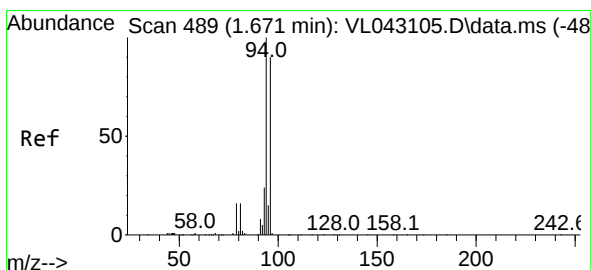
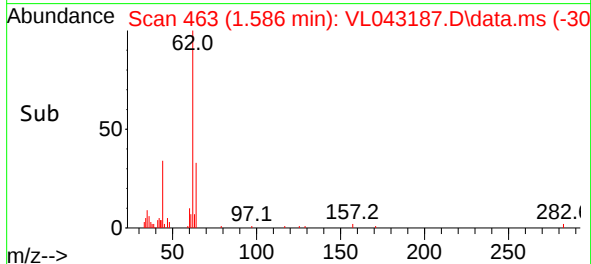
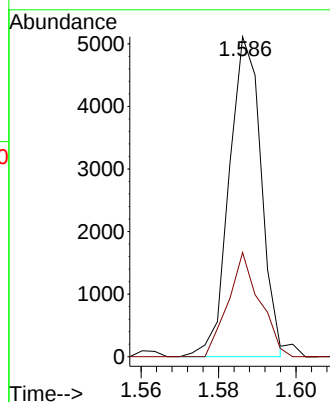
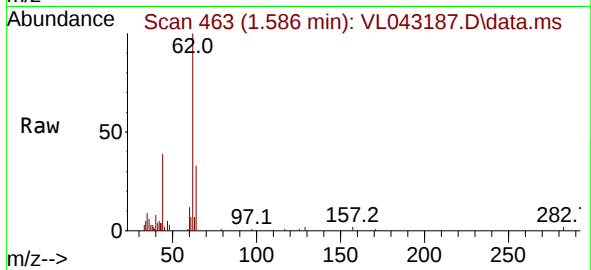
64 32.6 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025

Supervised By :Mahesh Dadoda 11/13/2025



#6

Bromomethane

Concen: 0.418 ppbv

RT: 1.677 min Scan# 491

Delta R.T. 0.006 min

Lab File: VL043187.D

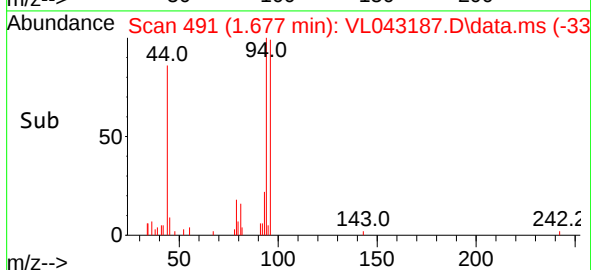
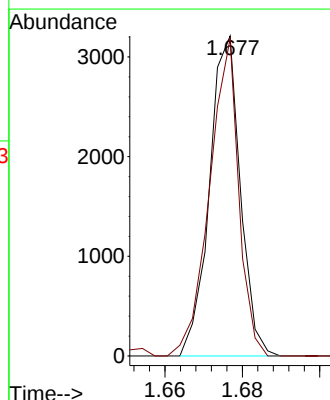
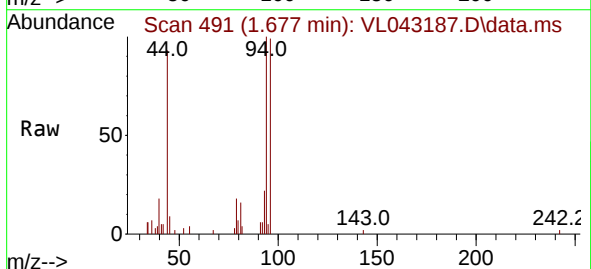
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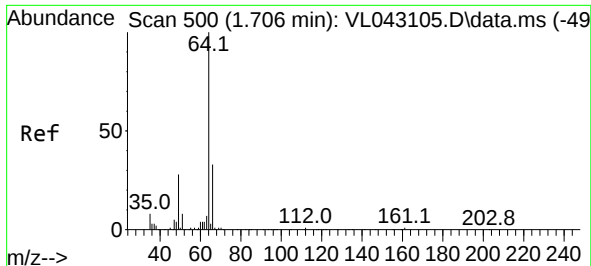
Tgt Ion: 94 Resp: 1777

Ion Ratio Lower Upper

94 100

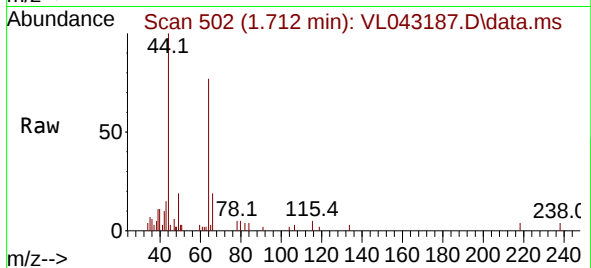
96 99.2 72.2 108.4





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

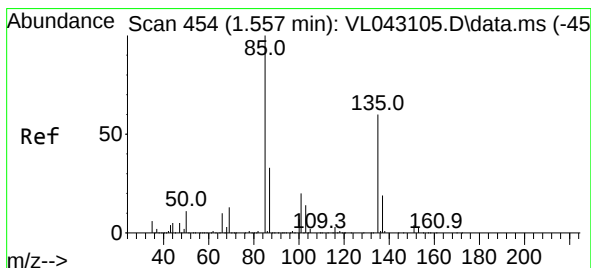
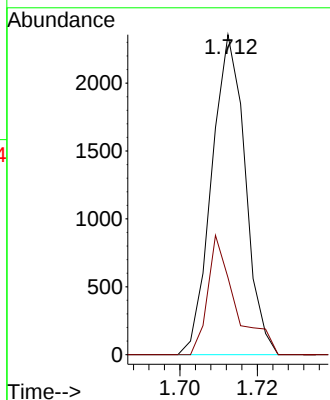
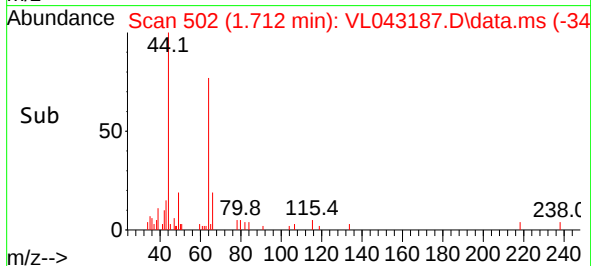
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



Tgt Ion: 64 Resp: 1410
Ion Ratio Lower Upper
64 100
66 24.1 26.0 39.0

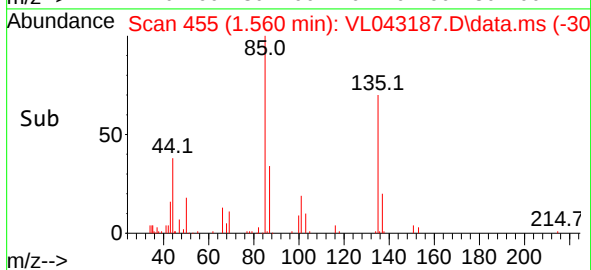
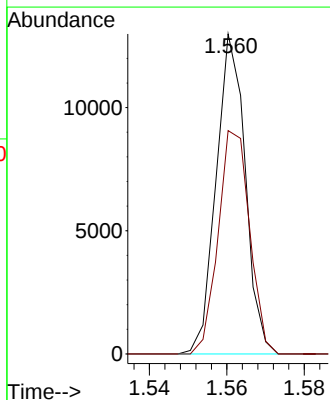
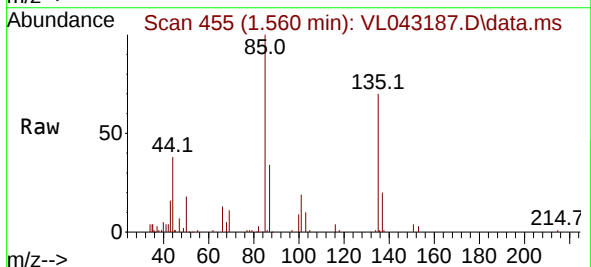
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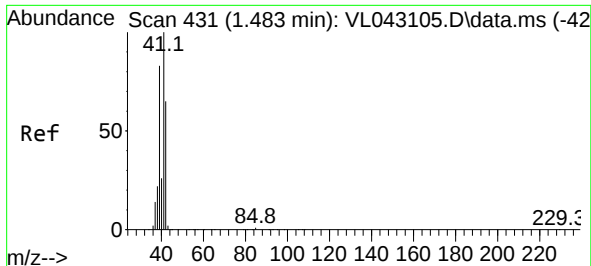
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



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

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





#9

Propene

Concen: 0.347 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

Tgt Ion: 41 Resp: 332

Ion Ratio Lower Upper

41 100

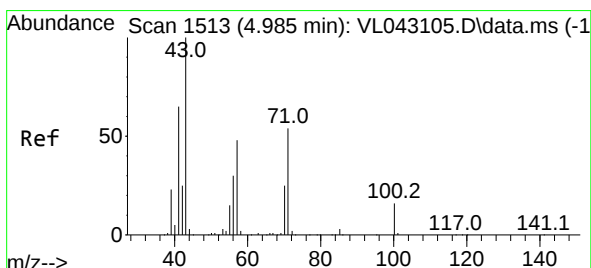
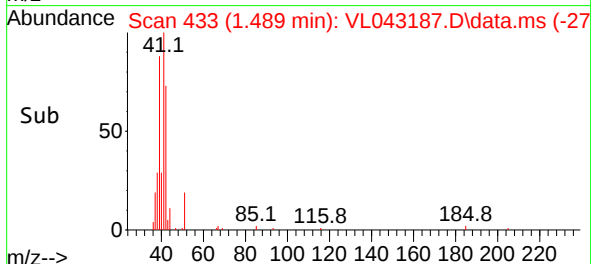
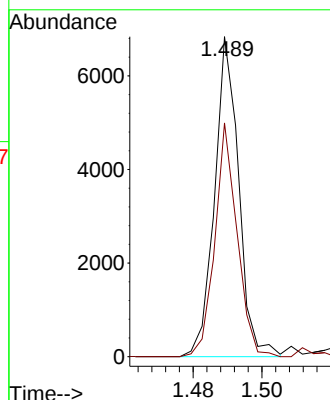
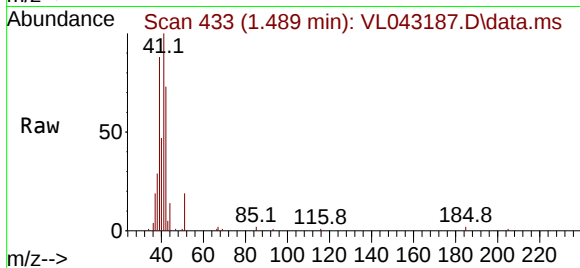
42 69.3 55.1 82.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/13/2025

Supervised By :Mahesh Dadoda 11/13/2025



#10

Heptane

Concen: 0.291 ppbv m

RT: 4.998 min Scan# 1517

Delta R.T. 0.013 min

Lab File: VL043187.D

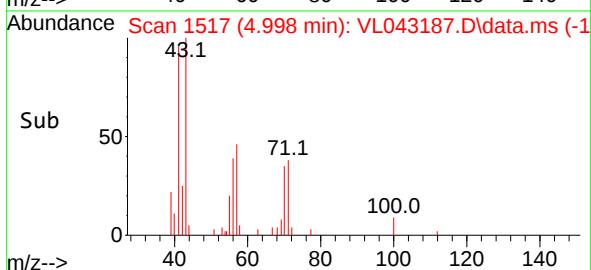
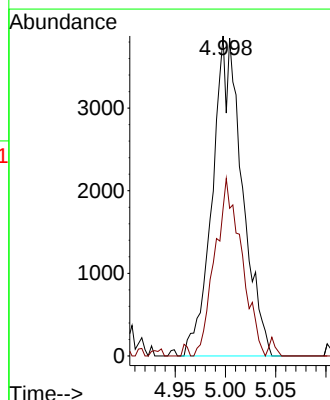
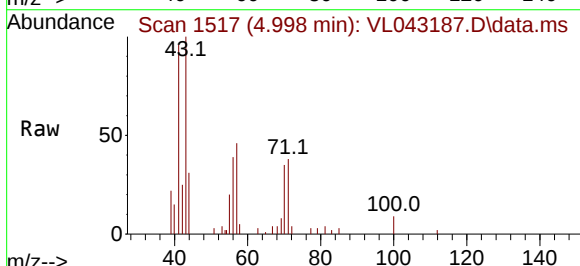
Acq: 11 Nov 2025 12:44

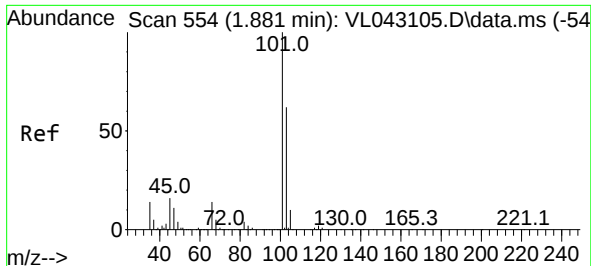
Tgt Ion: 43 Resp: 8020

Ion Ratio Lower Upper

43 100

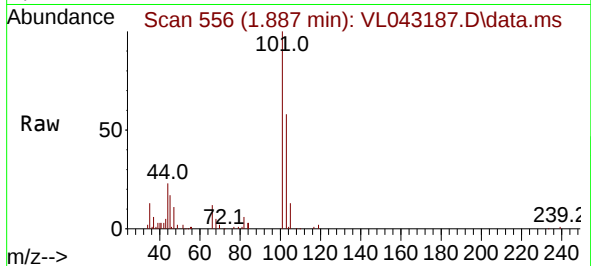
57 51.2 40.8 61.2





#11
 Trichlorofluoromethane
 Concen: 0.499 ppbv
 RT: 1.887 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VL043187.D
 Acq: 11 Nov 2025 12:44

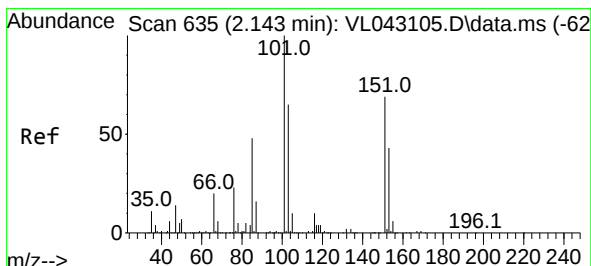
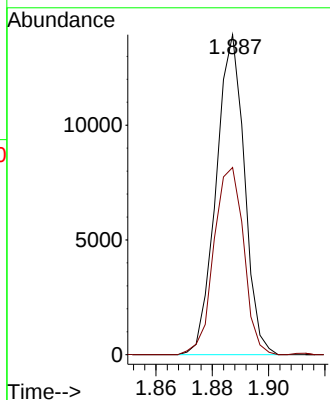
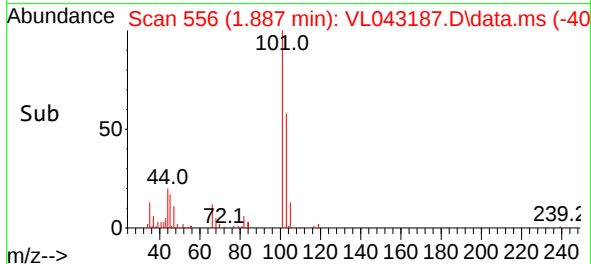
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025



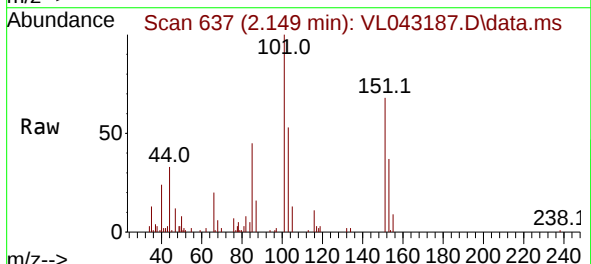
Tgt Ion:101 Resp: 9738
 Ion Ratio Lower Upper
 101 100
 103 58.5 49.3 73.9

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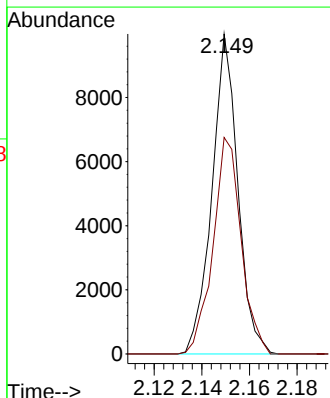
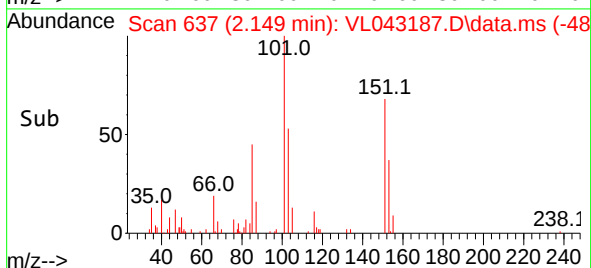
Reviewed By :Semsettin Yesilyurt 11/13/2025
 Supervised By :Mahesh Dadoda 11/13/2025

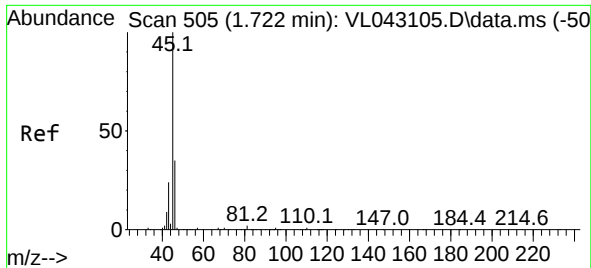


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.480 ppbv
 RT: 2.149 min Scan# 637
 Delta R.T. 0.006 min
 Lab File: VL043187.D
 Acq: 11 Nov 2025 12:44



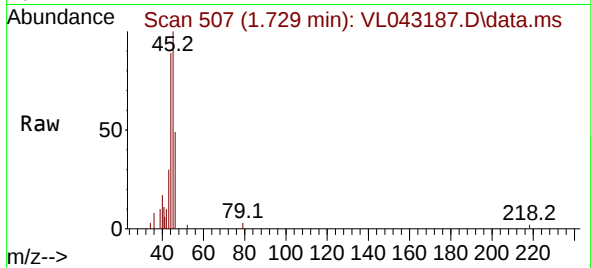
Tgt Ion:101 Resp: 7542
 Ion Ratio Lower Upper
 101 100
 151 73.4 54.7 82.1





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

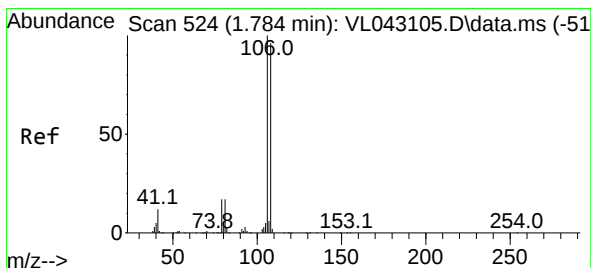
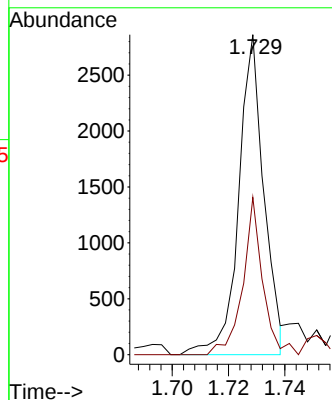
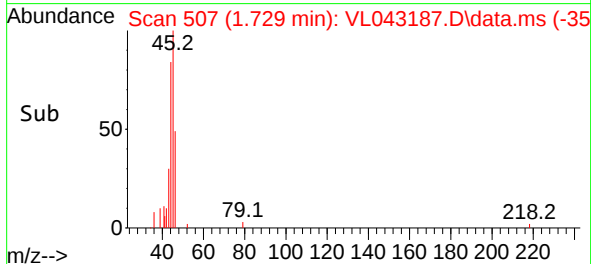
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



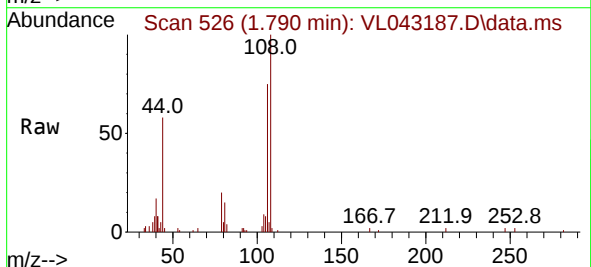
Tgt Ion: 45 Resp: 1780
Ion Ratio Lower Upper
45 100
46 43.4 14.7 58.9

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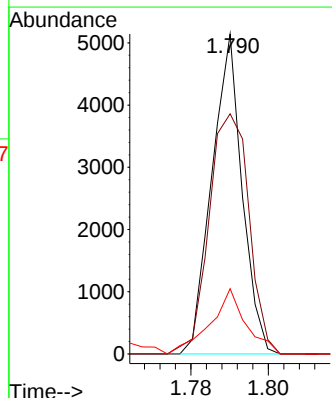
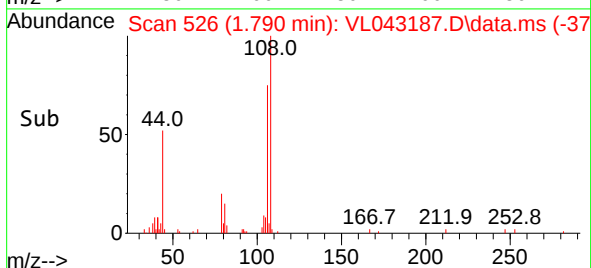
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

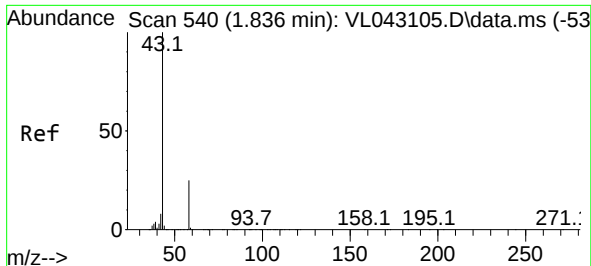


#14
Bromoethene
Concen: 0.478 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44



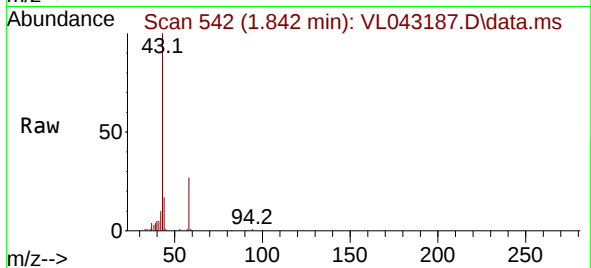
Tgt Ion:108 Resp: 2791
Ion Ratio Lower Upper
108 100
106 98.7 84.4 126.6
79 29.4 15.3 22.9#





#15
Acetone
Concen: 0.588 ppbv
RT: 1.842 min Scan# 540
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

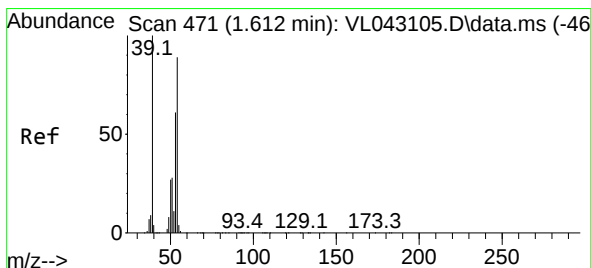
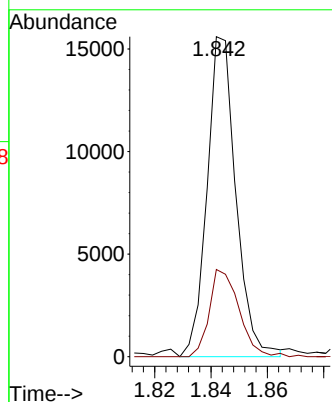
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



Tgt Ion: 43 Resp: 11108
Ion Ratio Lower Upper
43 100
58 28.1 20.8 31.2

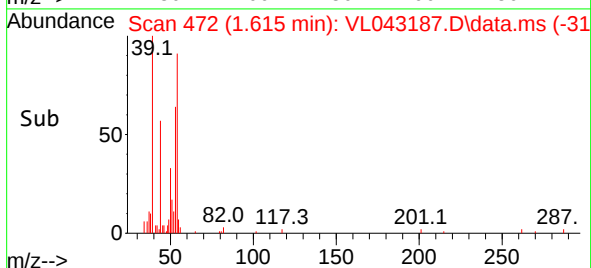
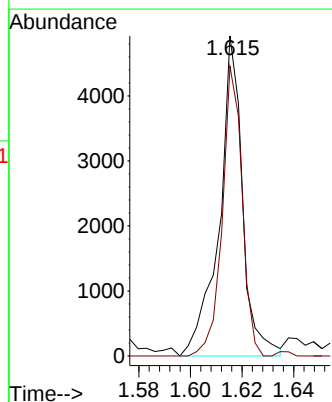
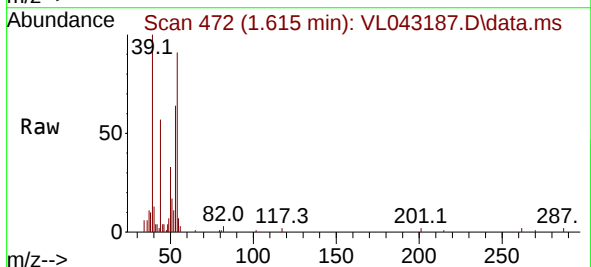
Manual Integrations
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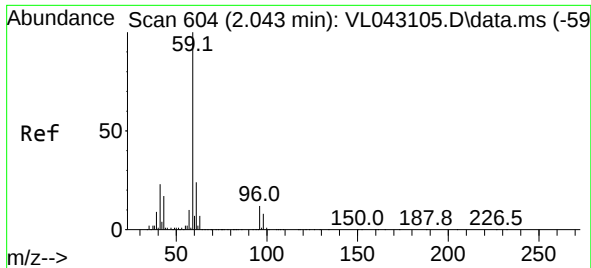
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#16
1,3-Butadiene
Concen: 0.341 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.003 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

Tgt Ion: 39 Resp: 3076
Ion Ratio Lower Upper
39 100
54 77.7 59.0 88.4





#17

tert-Butyl alcohol

Concen: 0.402 ppbv

RT: 2.049 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

Tgt Ion: 59 Resp: 1044

Ion Ratio Lower Upper

59 100

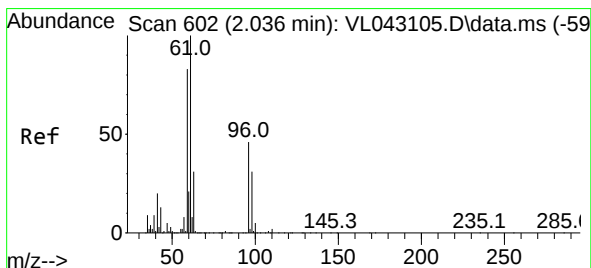
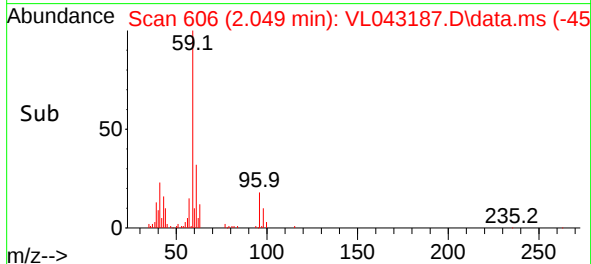
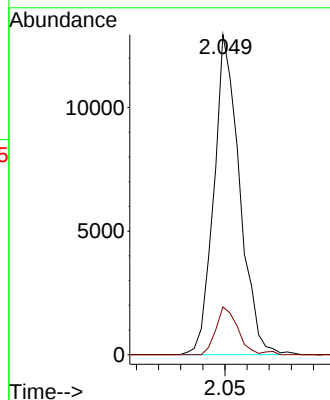
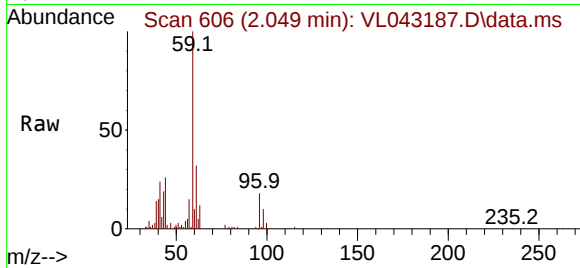
57 13.0 8.2 12.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/13/2025

Supervised By :Mahesh Dadoda 11/13/2025



#18

1,1-Dichloroethene

Concen: 0.463 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.010 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

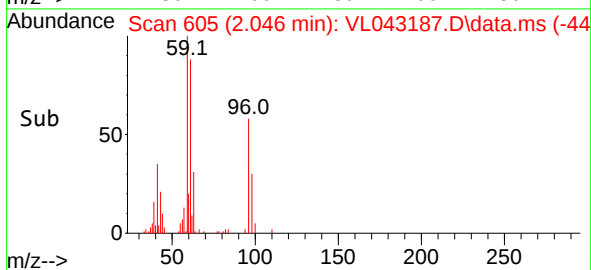
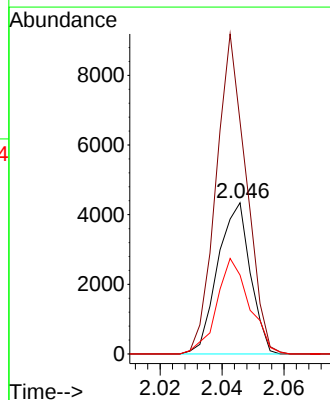
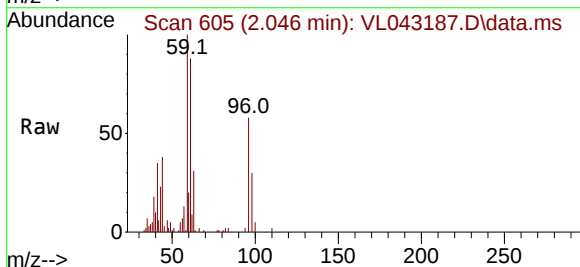
Tgt Ion: 96 Resp: 3172

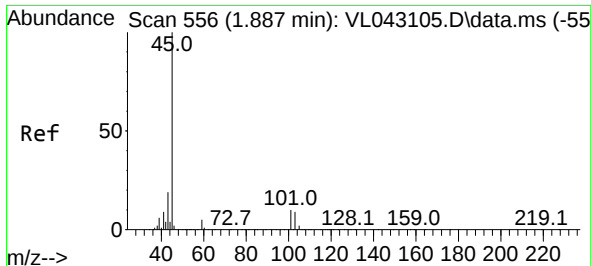
Ion Ratio Lower Upper

96 100

61 153.5 173.4 260.0#

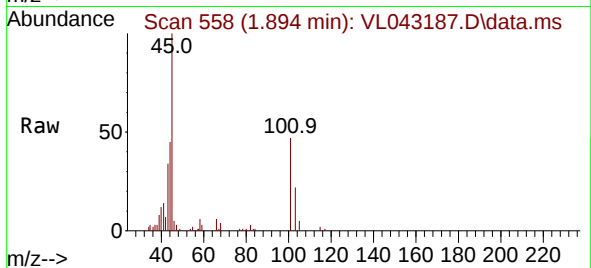
98 52.1 53.2 79.8#





#19
Isopropyl Alcohol
Concen: 0.417 ppbv
RT: 1.894 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

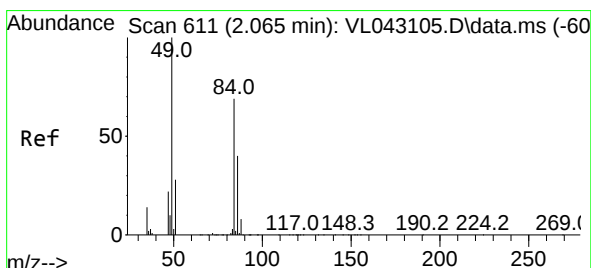
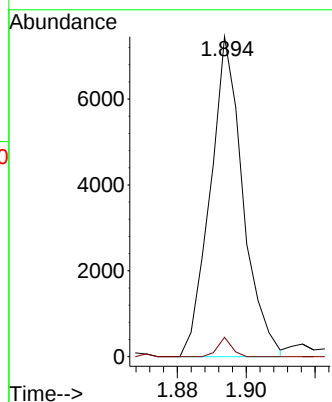
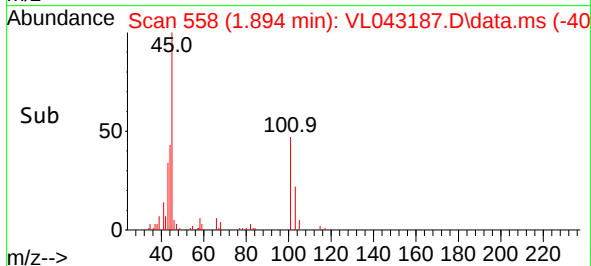
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



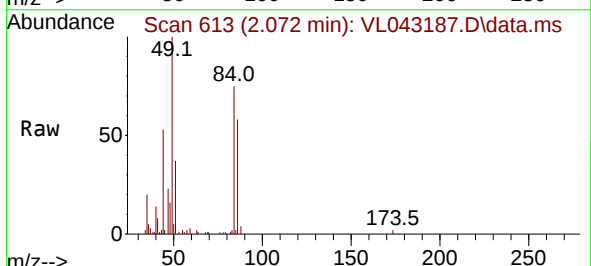
Tgt Ion: 45 Resp: 490
Ion Ratio Lower Upper
45 100
58 2.6 31.3 46.9

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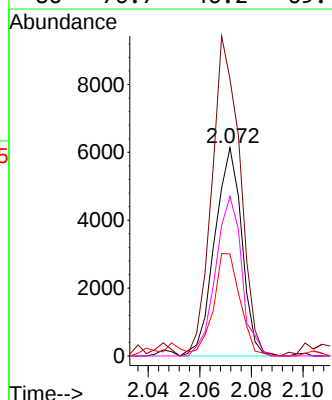
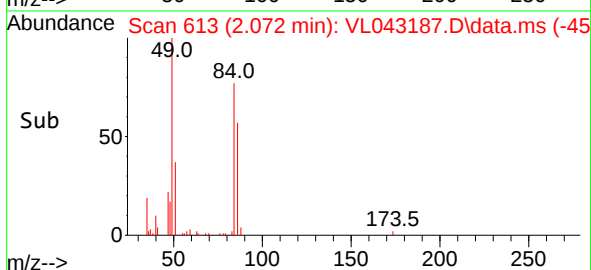
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

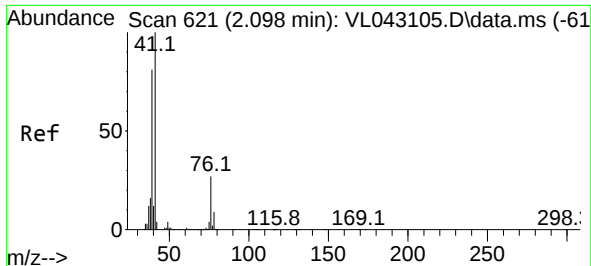


#20
Methylene Chloride
Concen: 0.599 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44



Tgt Ion: 84 Resp: 4475
Ion Ratio Lower Upper
84 100
49 133.1 116.6 175.0
51 49.1 34.8 52.2
86 76.7 46.2 69.4





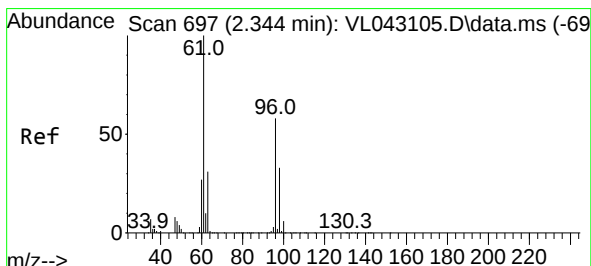
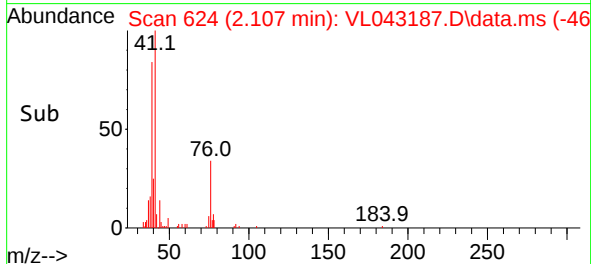
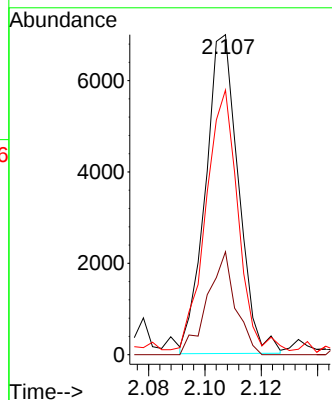
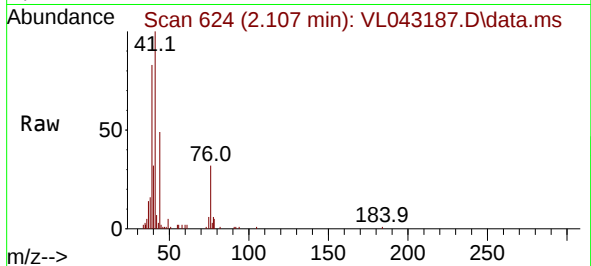
#21
 Allyl Chloride
 Concen: 0.407 ppbv
 RT: 2.107 min Scan# 61
 Delta R.T. 0.010 min
 Lab File: VL043187.D
 Acq: 11 Nov 2025 12:44

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

Tgt Ion: 41 Resp: 567
 Ion Ratio Lower Upper
 41 100
 76 27.5 21.5 32.3
 39 80.0 60.8 91.2

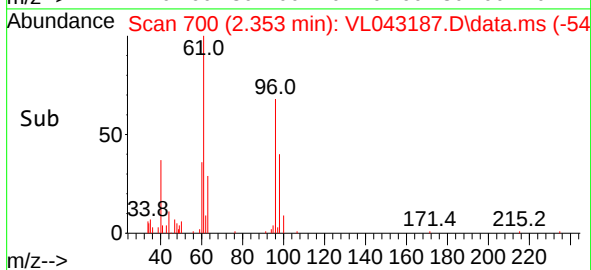
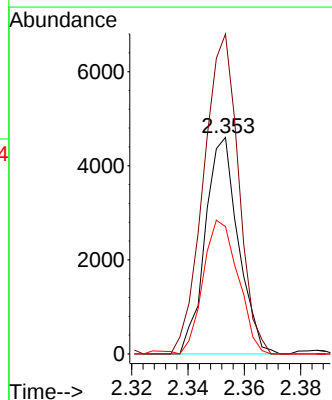
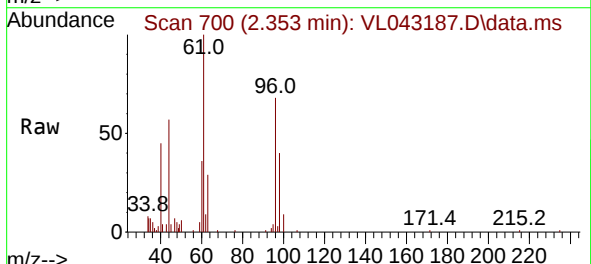
Manual Integrations
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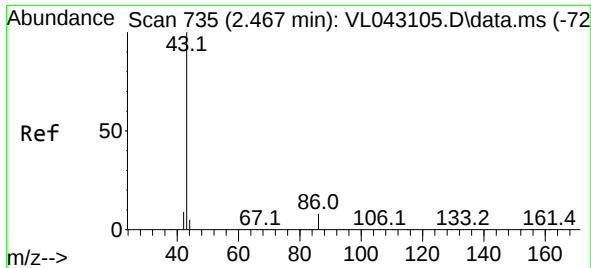
Reviewed By :Semsettin Yesilyurt 11/13/2025
 Supervised By :Mahesh Dadoda 11/13/2025



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

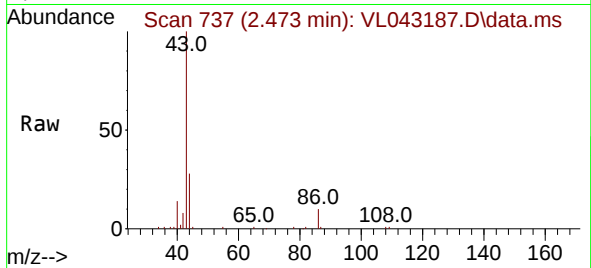
Tgt Ion: 96 Resp: 3747
 Ion Ratio Lower Upper
 96 100
 61 147.7 137.0 205.6
 98 58.8 45.5 68.3





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

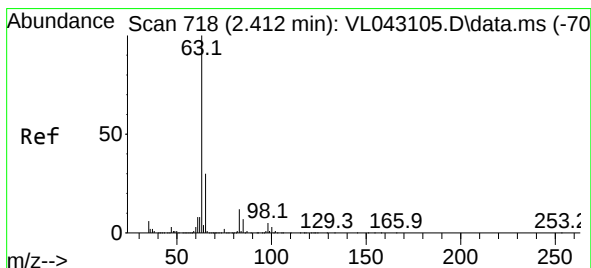
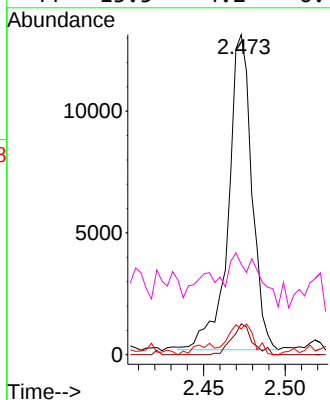
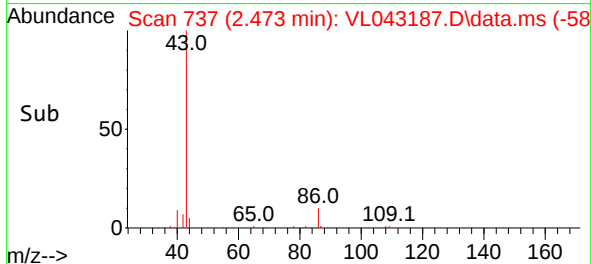
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025



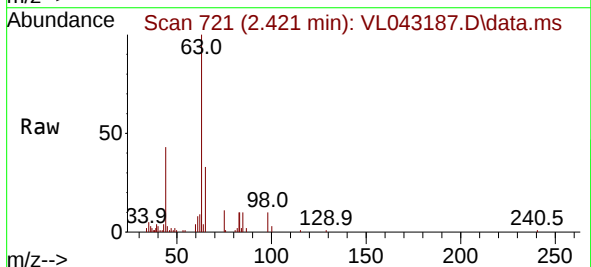
Tgt Ion: 43 Resp: 1296
 Ion Ratio Lower Upper
 43 100
 86 10.4 6.2 9.2
 42 8.2 7.6 11.4
 44 13.5 4.2 6.4#

Manual Integrations
 APPROVED

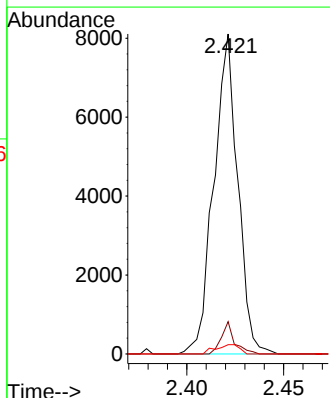
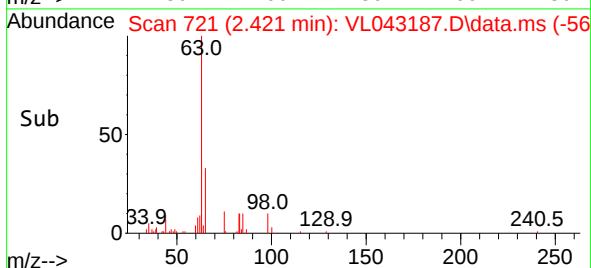
Reviewed By :Semsettin Yesilyurt 11/13/2025
 Supervised By :Mahesh Dadoda 11/13/2025

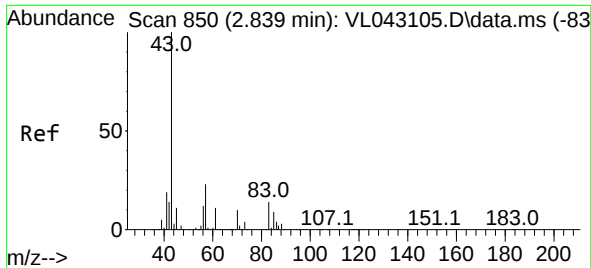


#24
 1,1-Dichloroethane
 Concen: 0.441 ppbv
 RT: 2.421 min Scan# 721
 Delta R.T. 0.010 min
 Lab File: VL043187.D
 Acq: 11 Nov 2025 12:44



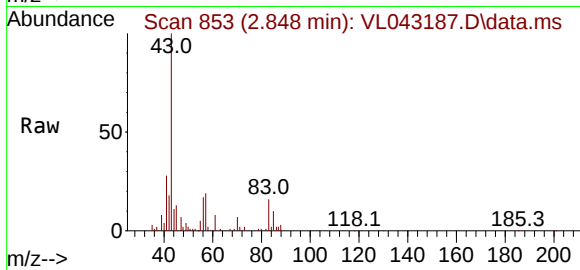
Tgt Ion: 63 Resp: 6967
 Ion Ratio Lower Upper
 63 100
 98 10.1 2.6 7.8#
 100 2.9 1.5 4.4





#25
Ethyl Acetate
Concen: 0.393 ppbv
RT: 2.848 min Scan# 810
Delta R.T. 0.010 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

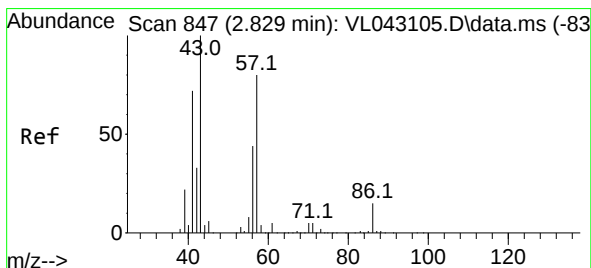
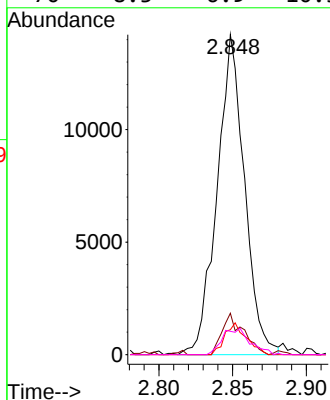
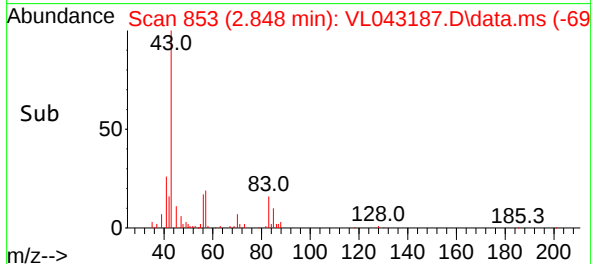
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



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

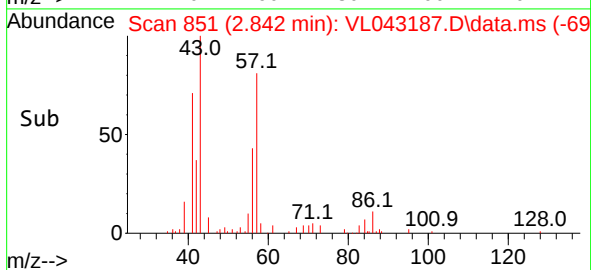
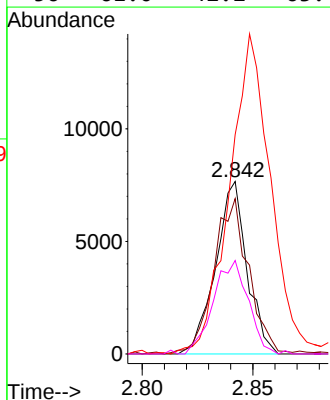
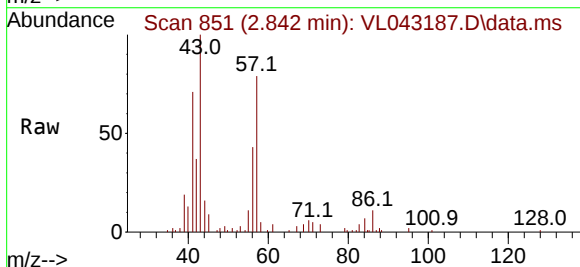
Manual Integrations
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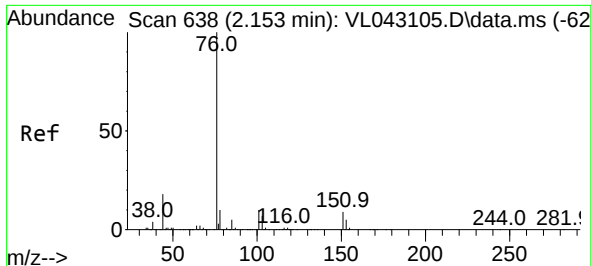
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



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

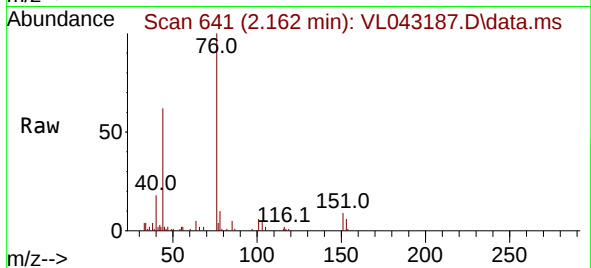
Tgt Ion: 57 Resp: 7568
Ion Ratio Lower Upper
57 100
41 101.7 71.4 107.0
43 250.0 178.5 267.7
56 61.0 42.2 63.4





#27
Carbon Disulfide
Concen: 0.428 ppbv
RT: 2.162 min Scan# 641
Delta R.T. 0.010 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

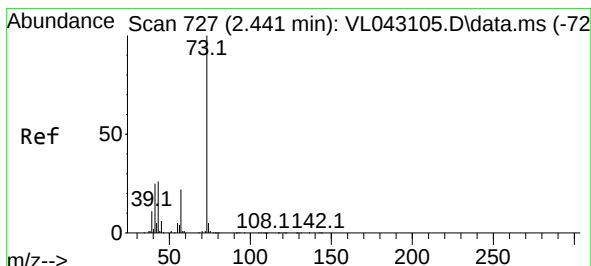
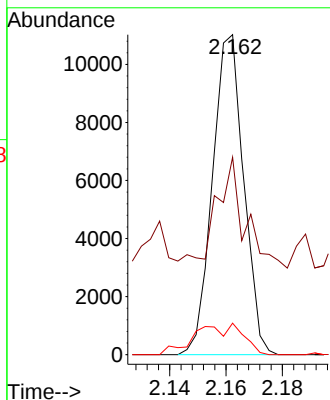
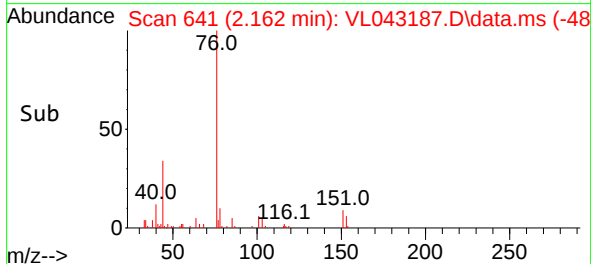
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



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

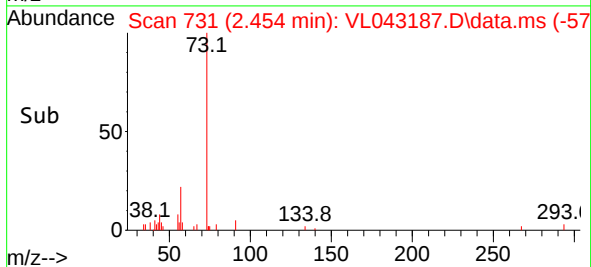
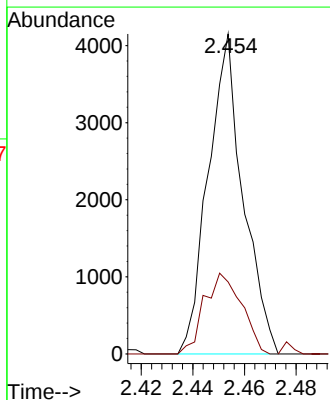
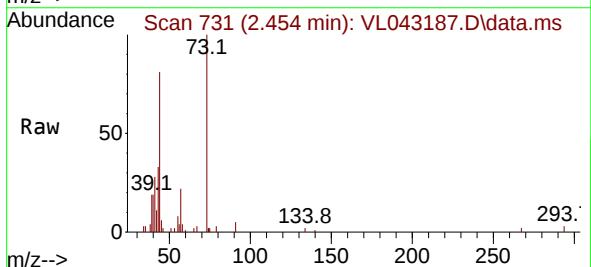
Manual Integrations
APPROVED

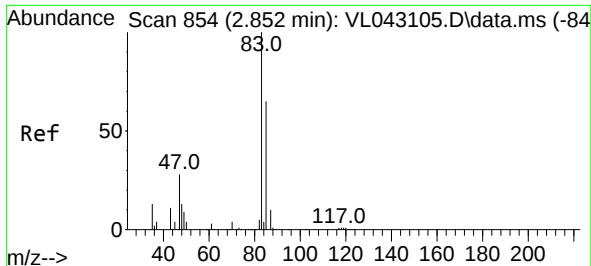
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#28
Methyl tert-Butyl Ether
Concen: 0.395 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.013 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

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





#29

Chloroform

Concen: 0.449 ppbv

RT: 2.861 min Scan# 857

Delta R.T. 0.010 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

Tgt Ion: 83 Resp: 1404

Ion Ratio Lower Upper

83 100

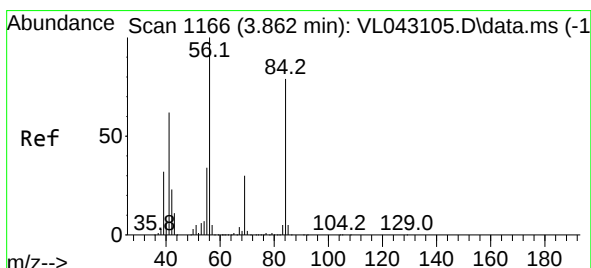
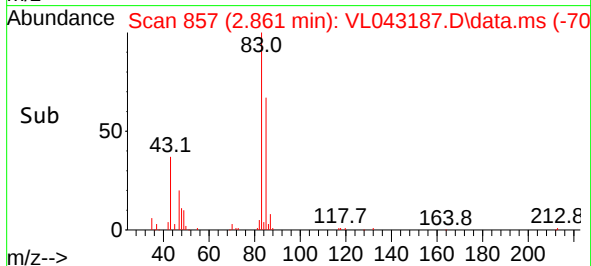
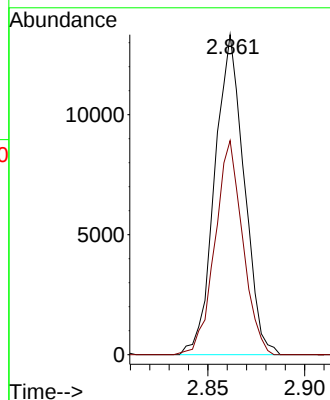
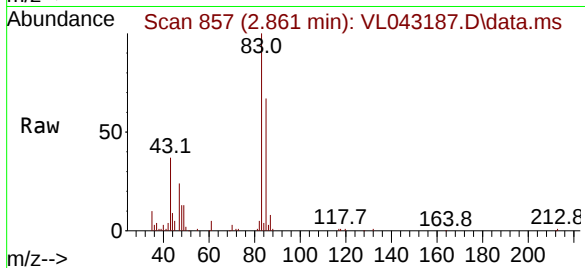
85 66.9 51.8 77.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/13/2025

Supervised By :Mahesh Dadoda 11/13/2025



#30

Cyclohexane

Concen: 0.270 ppbv

RT: 3.874 min Scan# 1170

Delta R.T. 0.013 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

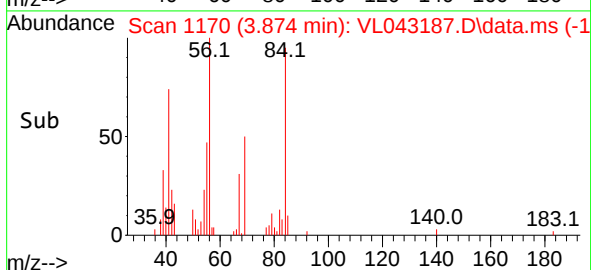
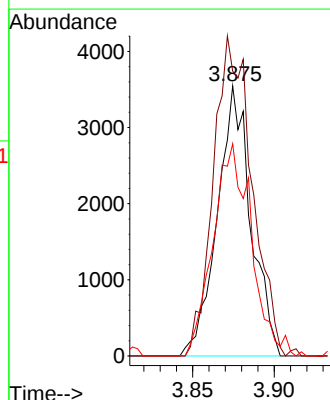
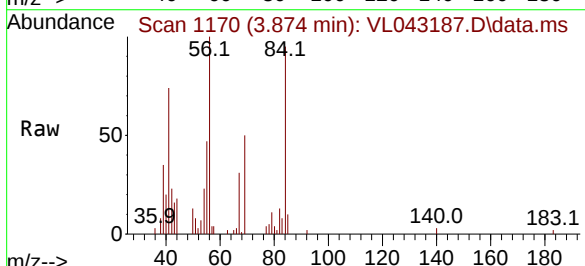
Tgt Ion: 84 Resp: 5082

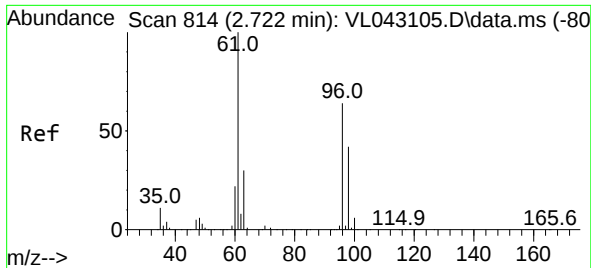
Ion Ratio Lower Upper

84 100

56 136.0 100.9 151.3

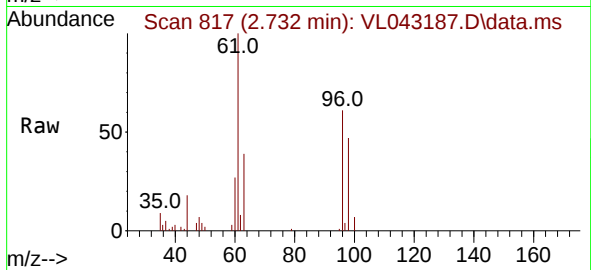
41 89.7 63.8 95.6





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

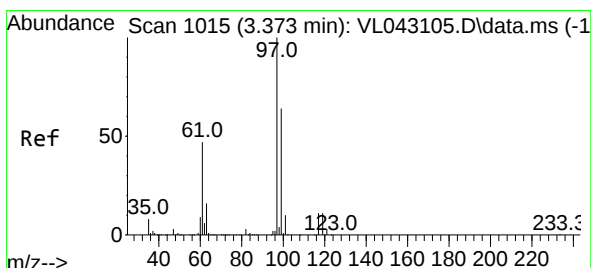
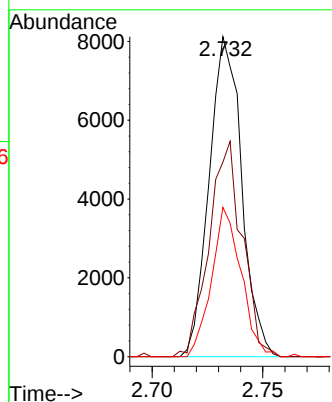
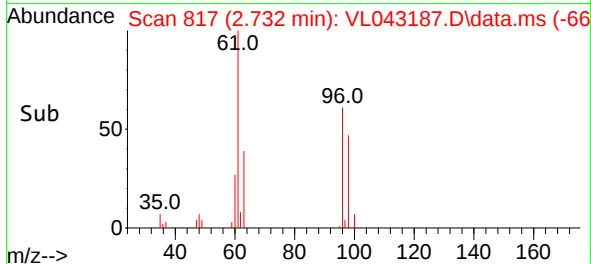
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025



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

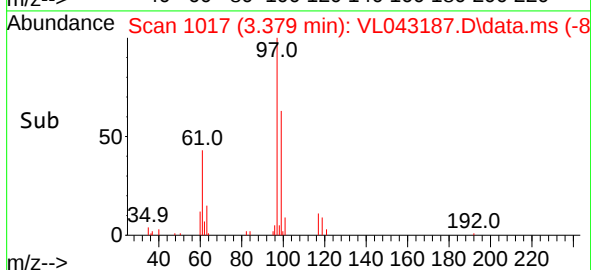
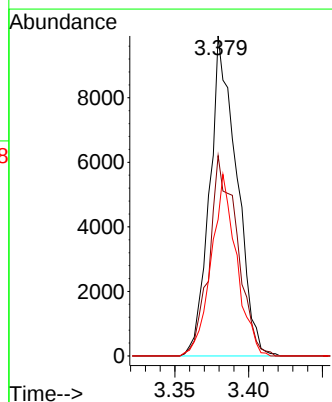
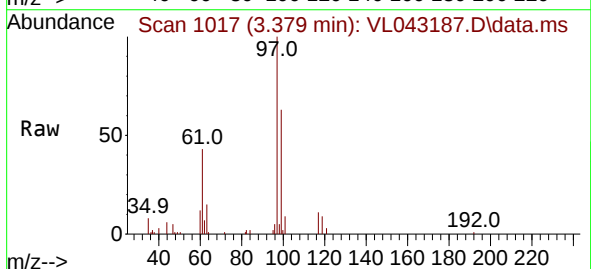
Manual Integrations
 APPROVED

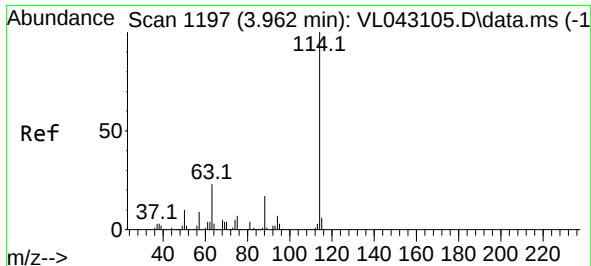
Reviewed By :Semsettin Yesilyurt 11/13/2025
 Supervised By :Mahesh Dadoda 11/13/2025



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

Tgt Ion: 97 Resp: 12676
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.3 76.9
 61 52.9 38.4 57.6





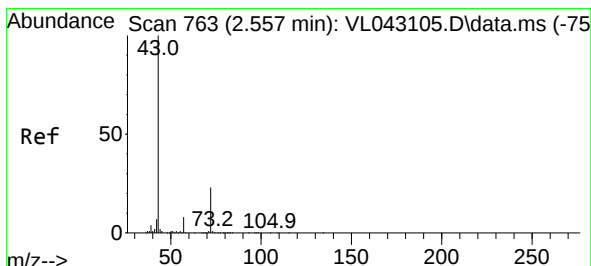
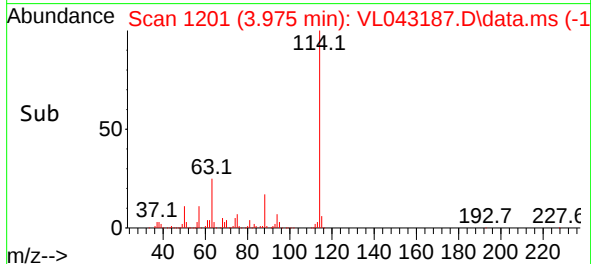
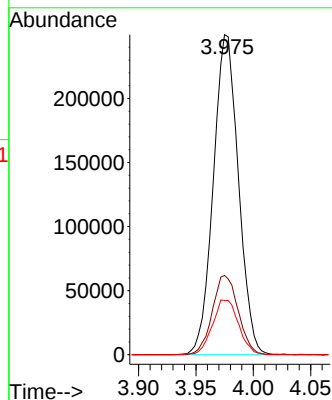
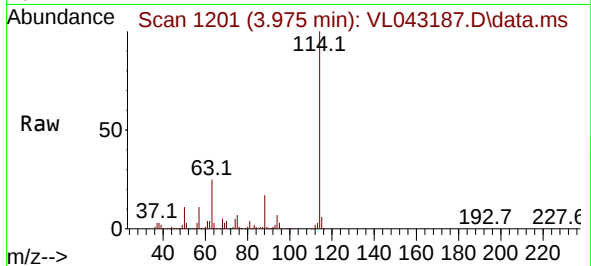
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1197
Delta R.T. 0.013 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

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

Tgt Ion:114 Resp: 38037
Ion Ratio Lower Upper
114 100
63 25.5 19.3 28.9
88 17.8 13.9 20.9

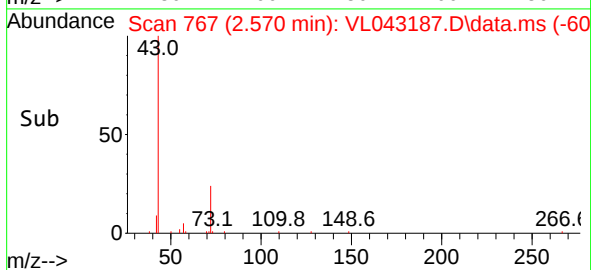
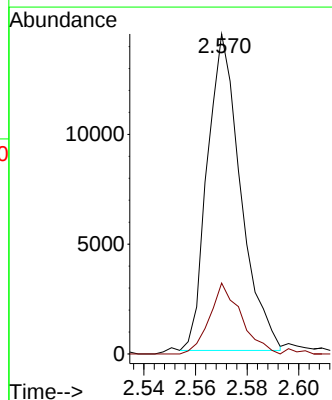
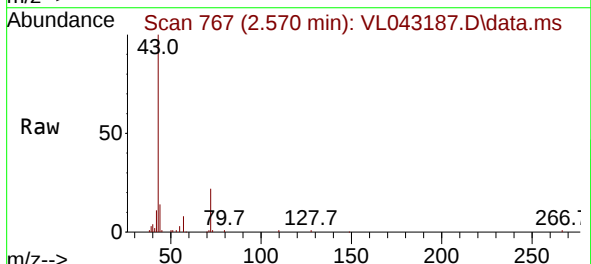
Manual Integrations
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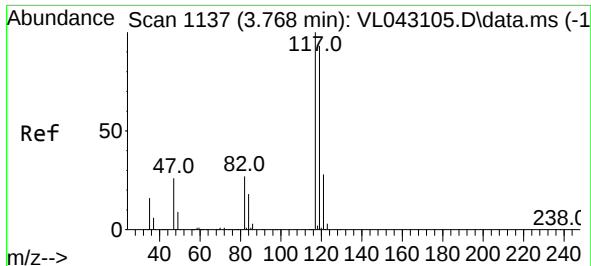
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#34
2-Butanone
Concen: 0.506 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.013 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

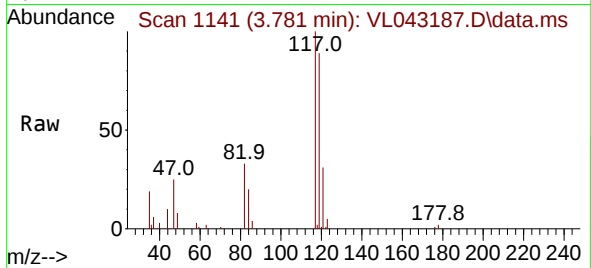
Tgt Ion: 43 Resp: 12933
Ion Ratio Lower Upper
43 100
72 21.9 18.4 27.6





#35
Carbon Tetrachloride
Concen: 0.491 ppbv
RT: 3.781 min Scan# 1141
Delta R.T. 0.013 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

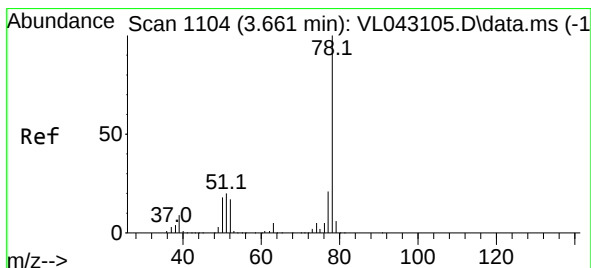
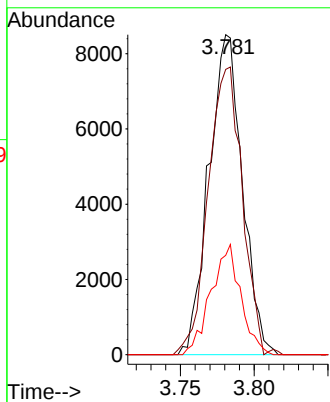
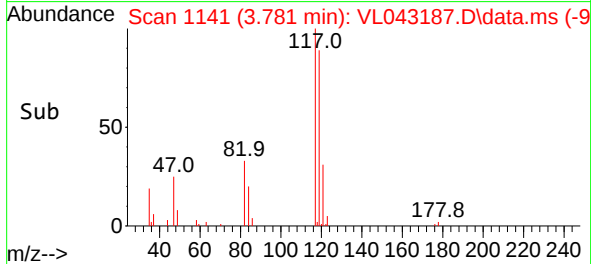
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



Tgt Ion: 117 Resp: 1341
Ion Ratio Lower Upper
117 100
119 88.1 74.1 111.1
121 31.1 22.2 33.2

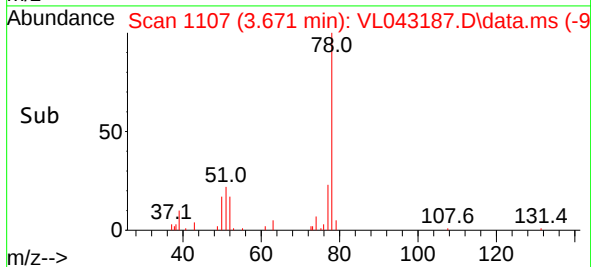
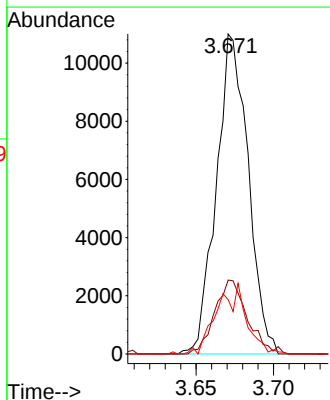
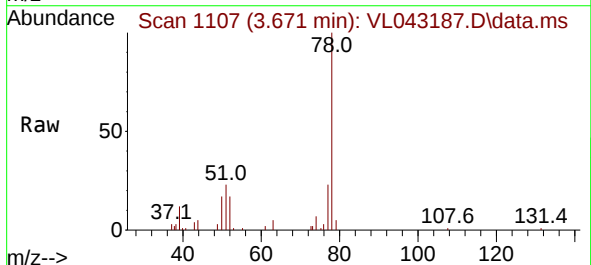
Manual Integrations
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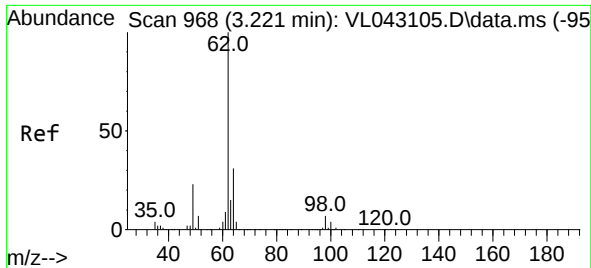
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



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

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





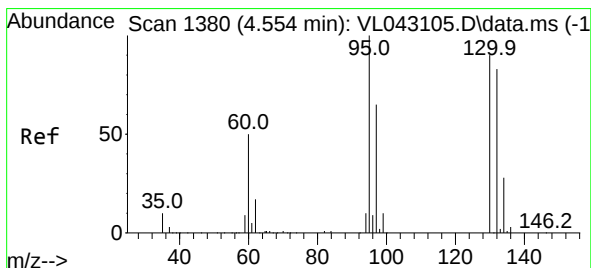
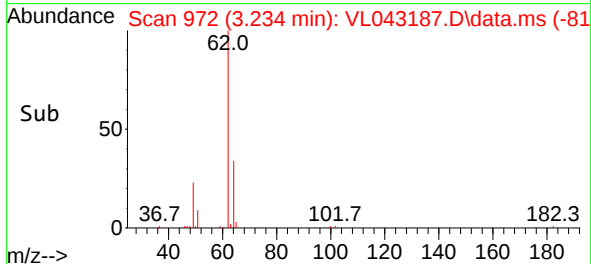
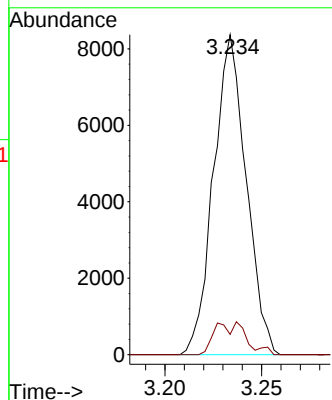
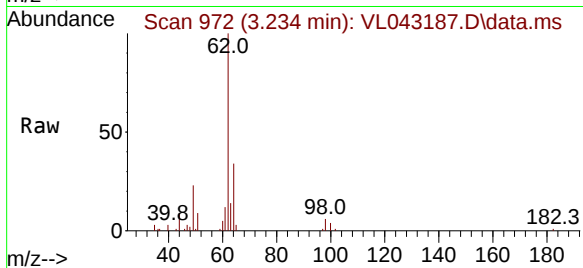
#37
1,2-Dichloroethane
Concen: 0.476 ppbv
RT: 3.234 min Scan# 91
Delta R.T. 0.013 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

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

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

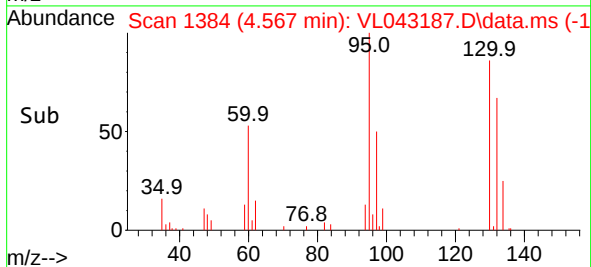
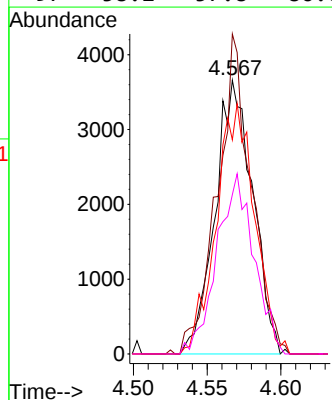
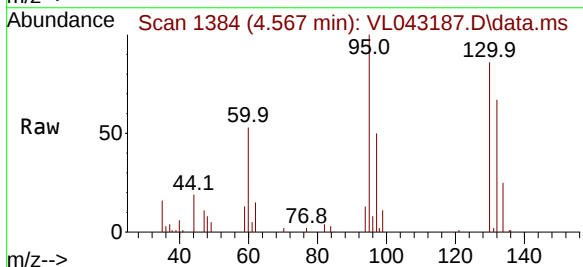
Manual Integrations
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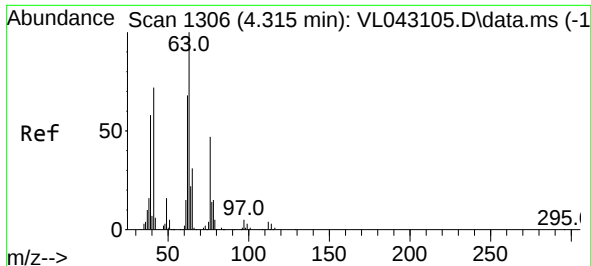
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



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

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





#39

1,2-Dichloropropane

Concen: 0.507 ppbv

RT: 4.337 min Scan# 1313

Delta R.T. 0.022 min

Lab File: VL043187.D

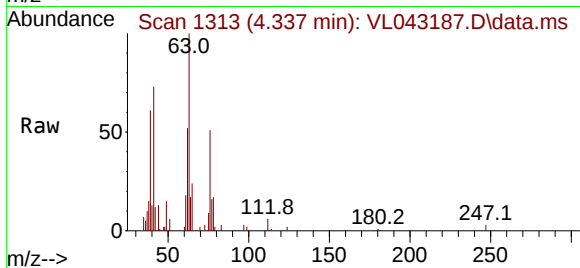
Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

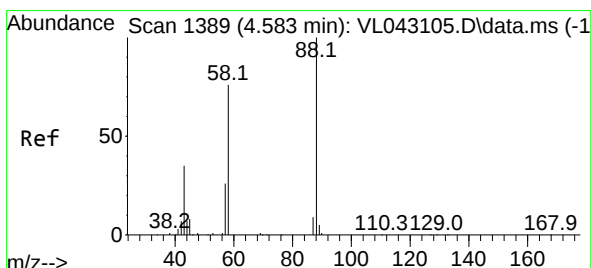
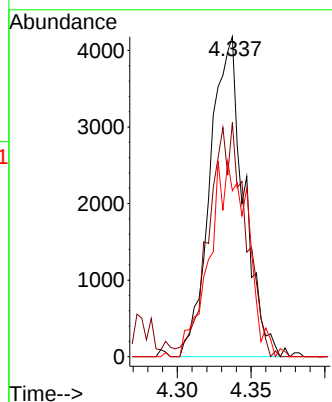
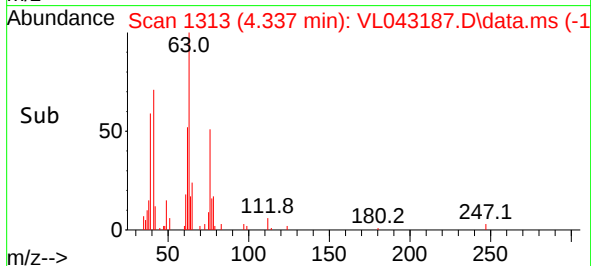


Tgt Ion:	63	Resp:	664
Ion	Ratio	Lower	Upper
63	100		
41	73.2	58.0	87.0
62	51.8	54.7	82.1

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: 0.337 ppbv m

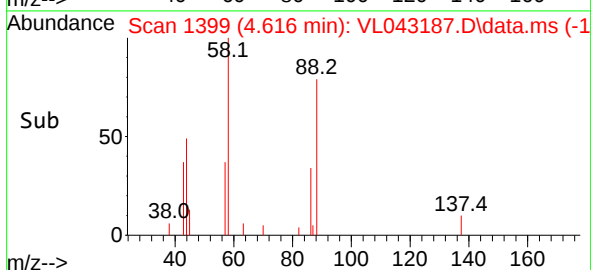
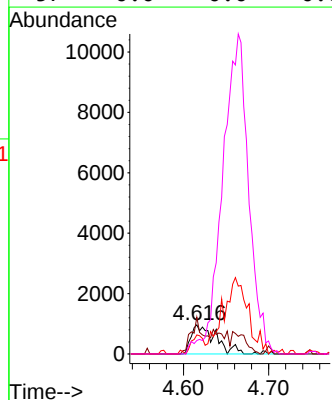
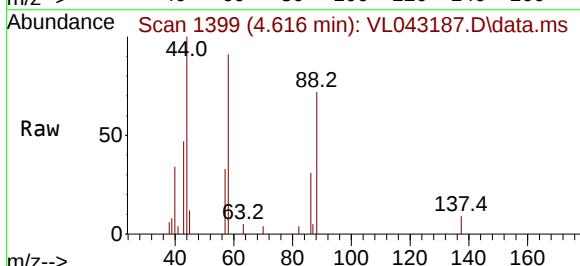
RT: 4.616 min Scan# 1399

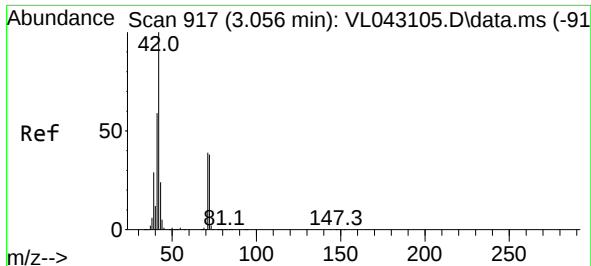
Delta R.T. 0.032 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Tgt Ion:	88	Resp:	1974
Ion	Ratio	Lower	Upper
88	100		
58	64.9	61.1	91.7
43	0.0	24.0	36.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 0.399 ppbv m

RT: 3.072 min Scan# 917

Delta R.T. 0.016 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

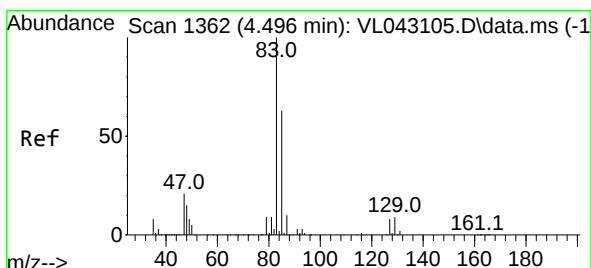
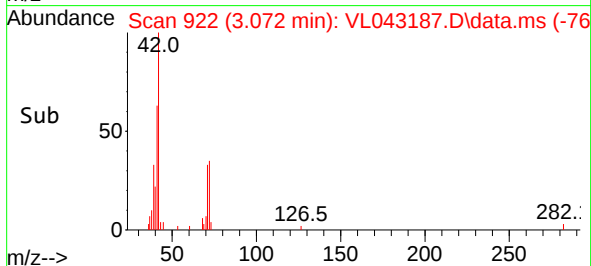
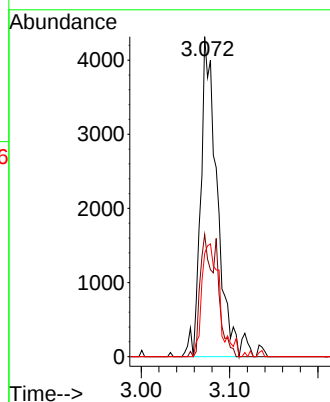
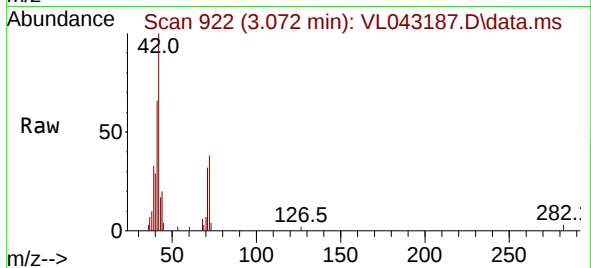
MDL-AIR-03-QT4-2025

Tgt Ion:	42	Resp:	5700
Ion	Ratio	Lower	Upper
42	100		
72	38.2	31.3	46.9
71	37.2	30.4	45.6

Manual Integrations

APPROVED

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



#42

Bromodichloromethane

Concen: 0.480 ppbv m

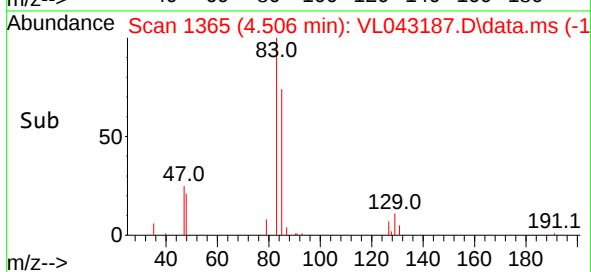
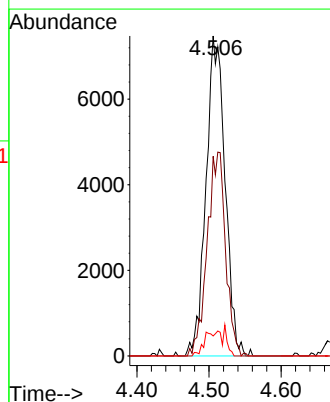
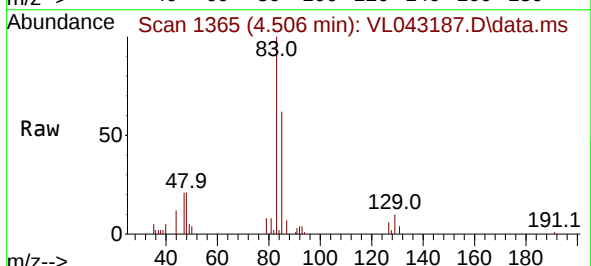
RT: 4.506 min Scan# 1365

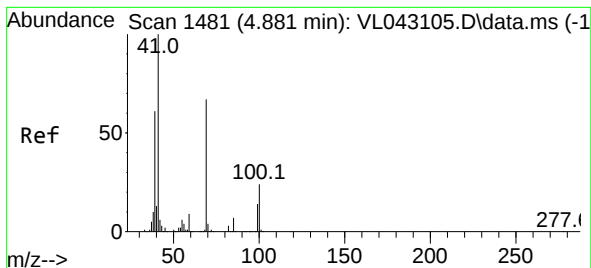
Delta R.T. 0.010 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Tgt Ion:	83	Resp:	13725
Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.6	75.8
127	6.2	6.3	9.5





#43

Methyl Methacrylate

Concen: 0.308 ppbv

RT: 4.897 min Scan# 1414

Delta R.T. 0.016 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

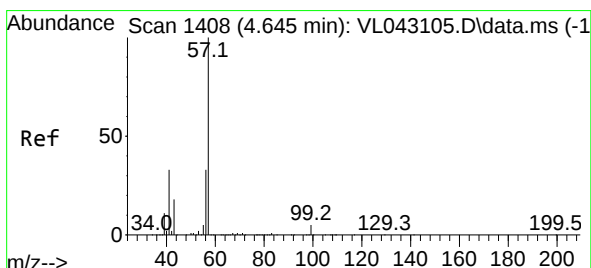
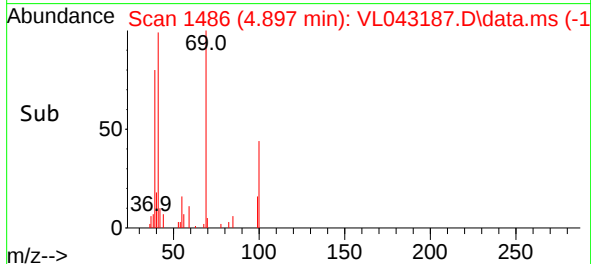
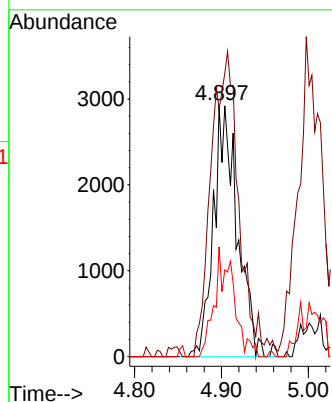
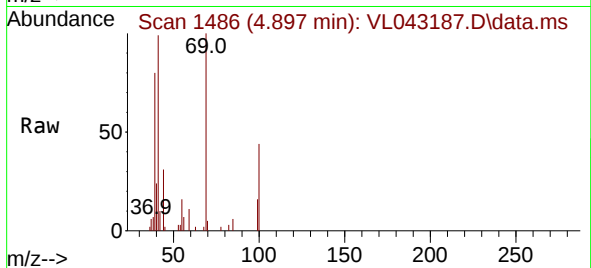
MDL-AIR-03-QT4-2025

Tgt Ion:	69	Resp:	5608
Ion	Ratio	Lower	Upper
69	100		
41	0.0	120.5	180.7
100	35.2	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: 0.366 ppbv

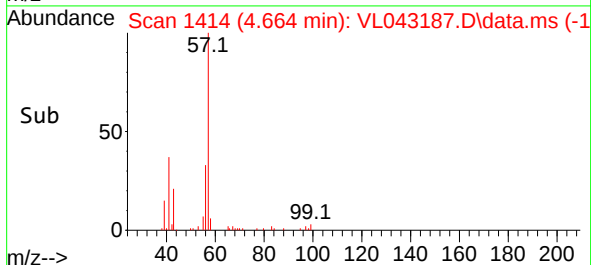
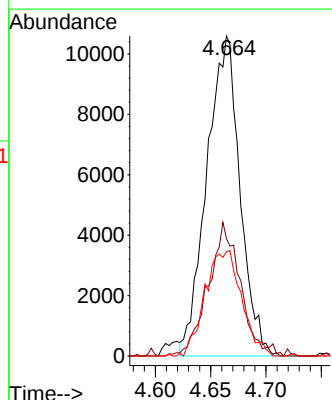
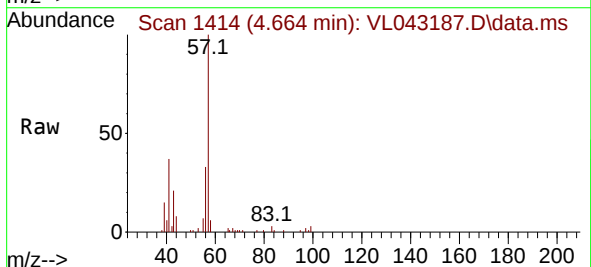
RT: 4.664 min Scan# 1414

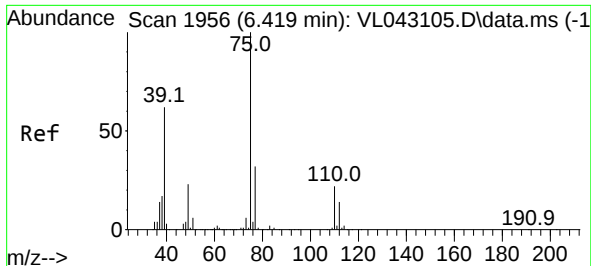
Delta R.T. 0.019 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

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





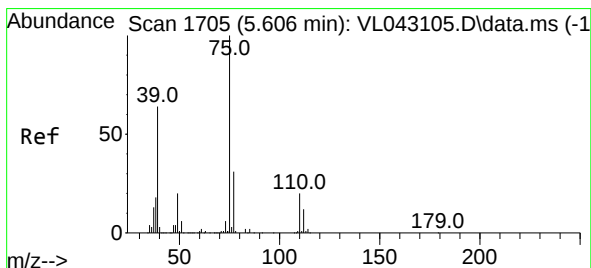
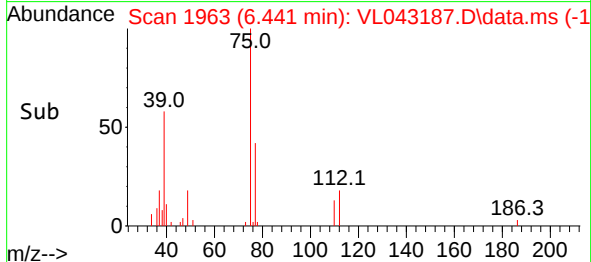
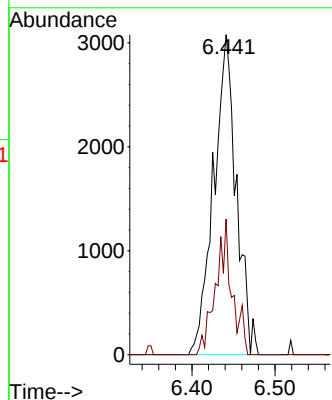
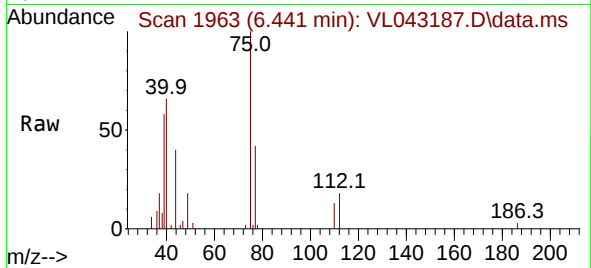
#45
 t-1,3-Dichloropropene
 Concen: 0.318 ppbv m
 RT: 6.441 min Scan# 1956
 Delta R.T. 0.022 min
 Lab File: VL043187.D
 Acq: 11 Nov 2025 12:44

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

Tgt Ion: 75 Resp: 5812
 Ion Ratio Lower Upper
 75 100
 77 42.4 25.4 38.2

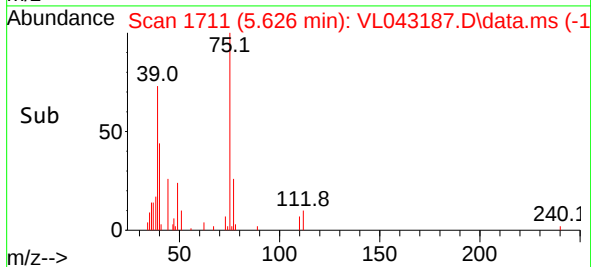
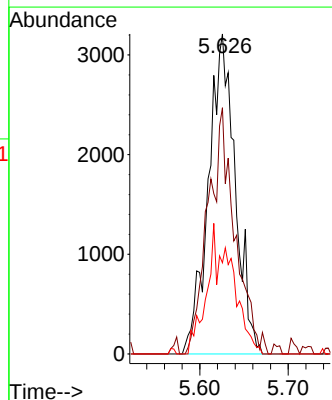
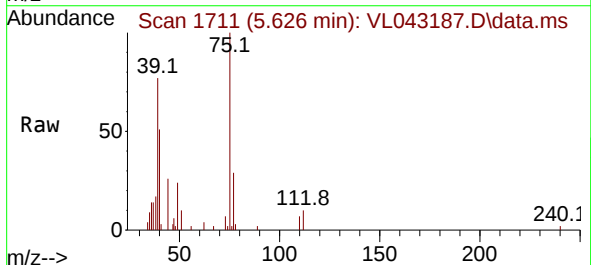
Manual Integrations
 APPROVED

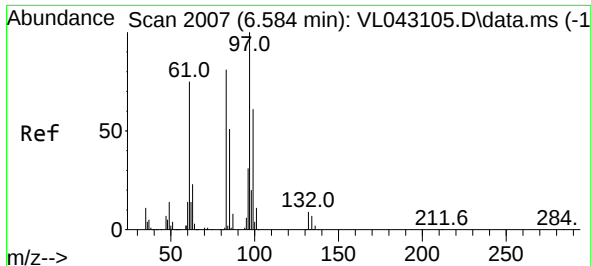
Reviewed By :Semsettin Yesilyurt 11/13/2025
 Supervised By :Mahesh Dadoda 11/13/2025



#46
 cis-1,3-Dichloropropene
 Concen: 0.309 ppbv m
 RT: 5.626 min Scan# 1711
 Delta R.T. 0.019 min
 Lab File: VL043187.D
 Acq: 11 Nov 2025 12:44

Tgt Ion: 75 Resp: 6746
 Ion Ratio Lower Upper
 75 100
 39 77.0 51.0 76.6#
 77 28.5 25.0 37.4





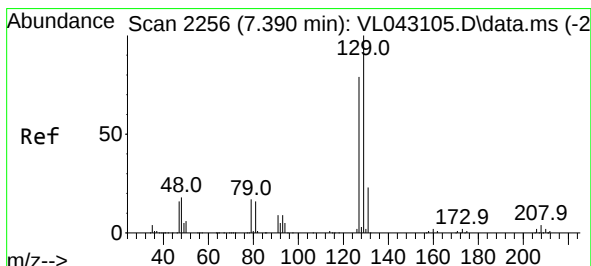
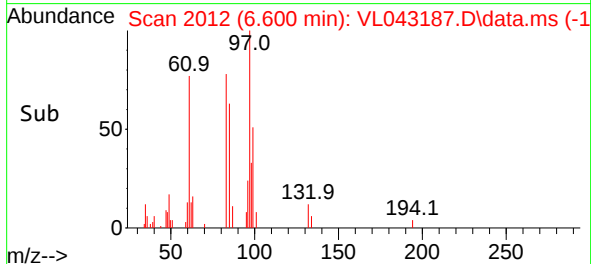
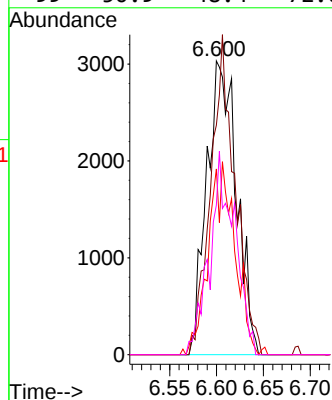
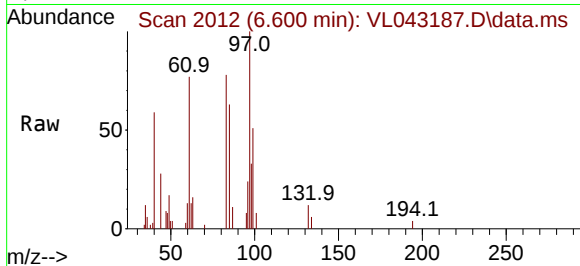
#47
1,1,2-Trichloroethane
Concen: 0.474 ppbv m
RT: 6.600 min Scan# 2007
Delta R.T. 0.016 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

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

Tgt Ion: 97	Resp: 6704
Ion Ratio	Lower Upper
97 100	
83 78.1	64.6 96.8
85 63.2	40.6 60.8
99 50.9	48.4 72.6

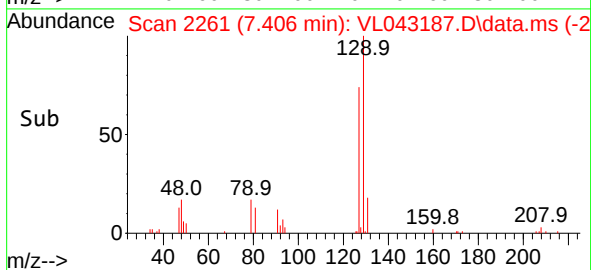
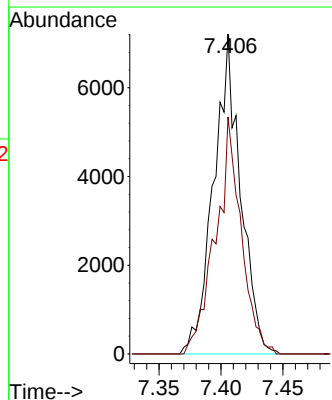
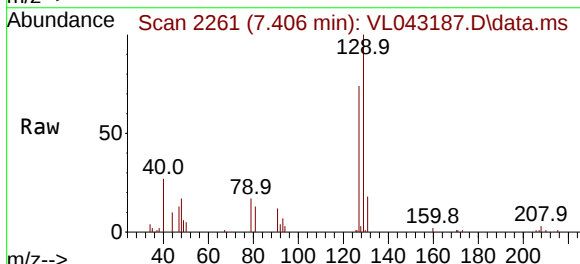
Manual Integrations
APPROVED

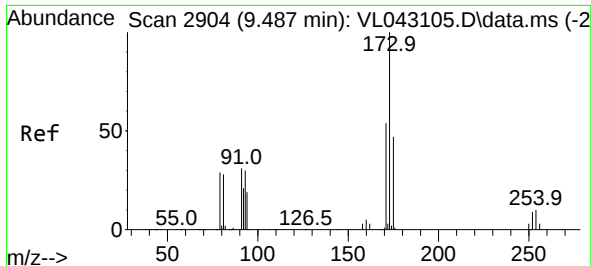
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#48
Dibromochloromethane
Concen: 0.462 ppbv
RT: 7.406 min Scan# 2261
Delta R.T. 0.016 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

Tgt Ion:129	Resp: 10914
Ion Ratio	Lower Upper
129 100	
127 70.5	39.3 117.9





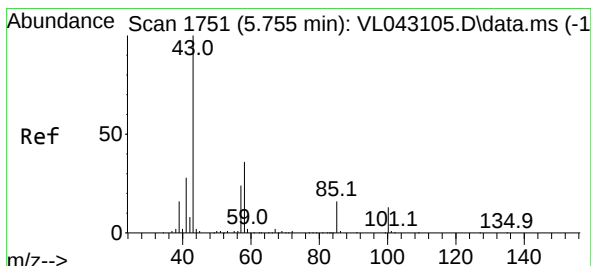
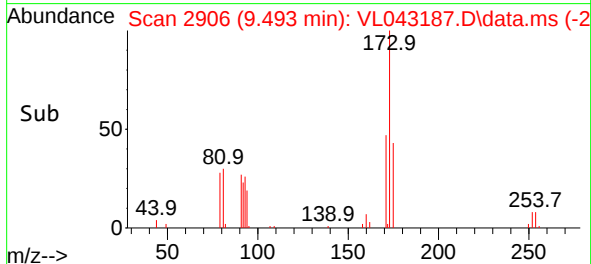
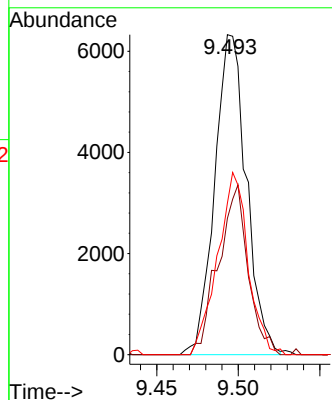
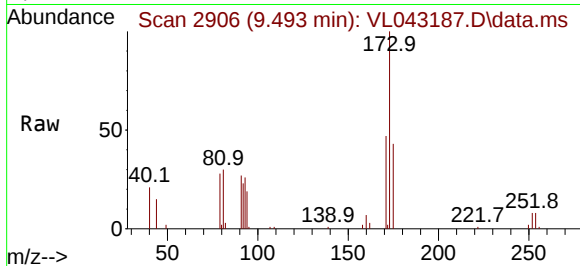
#49
Bromoform
Concen: 0.444 ppbv
RT: 9.493 min Scan# 2904
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

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

Tgt Ion:173 Resp: 854
Ion Ratio Lower Upper
173 100
175 50.2 38.8 58.2
171 54.9 41.7 62.5

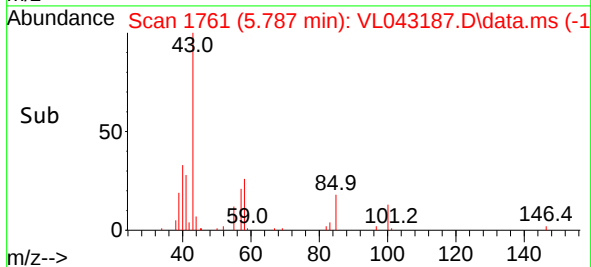
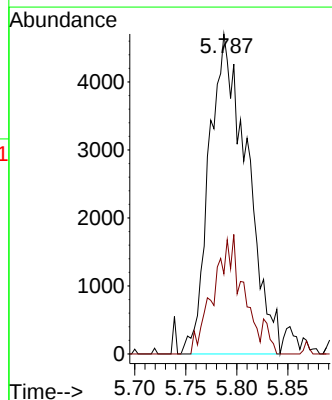
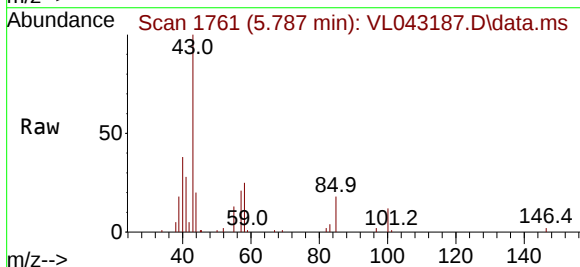
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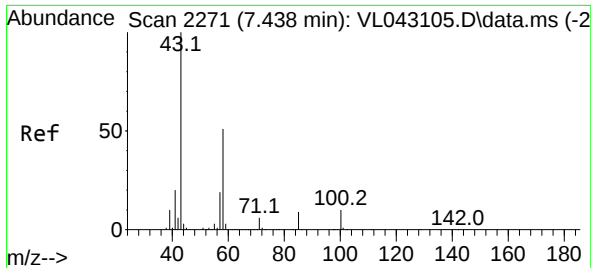
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#50
4-Methyl-2-Pentanone
Concen: 0.345 ppbv m
RT: 5.787 min Scan# 1761
Delta R.T. 0.032 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

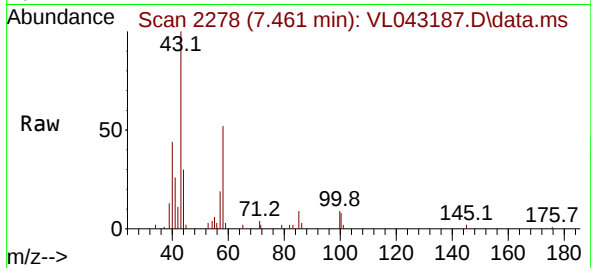
Tgt Ion: 43 Resp: 12158
Ion Ratio Lower Upper
43 100
58 0.0 29.1 43.7#





#51
2-Hexanone
Concen: 0.271 ppbv m
RT: 7.461 min Scan# 216
Delta R.T. 0.022 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

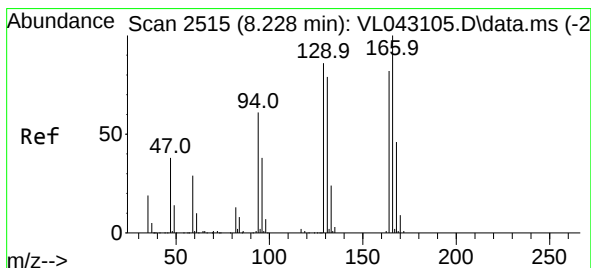
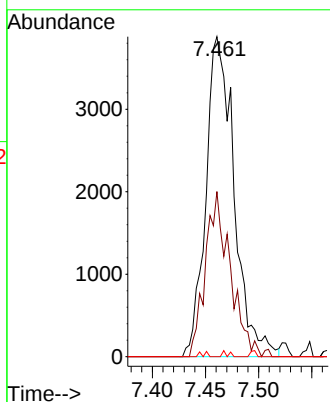
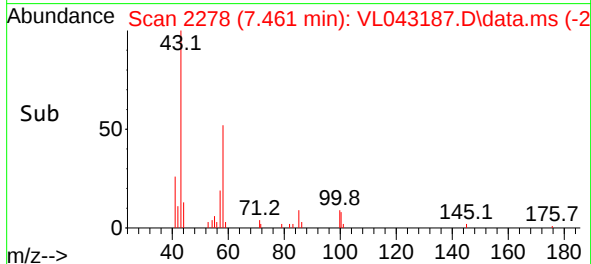
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



Tgt Ion: 43 Resp: 716
Ion Ratio Lower Upper
43 100
58 45.7 40.4 60.6
98 0.3 0.1 0.1

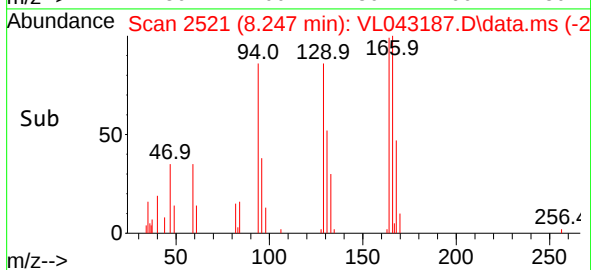
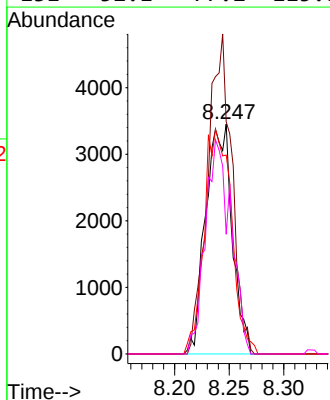
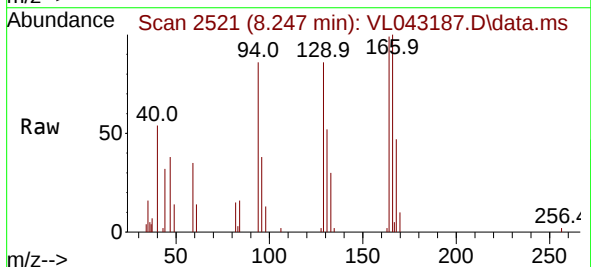
Manual Integrations
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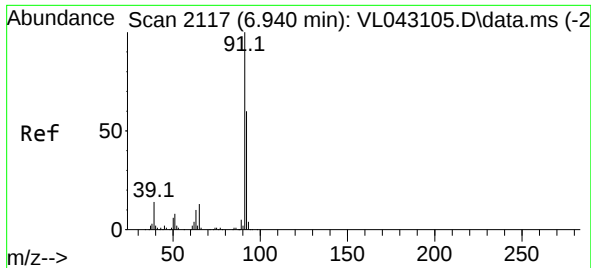
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#52
Tetrachloroethene
Concen: 0.449 ppbv m
RT: 8.247 min Scan# 2521
Delta R.T. 0.019 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

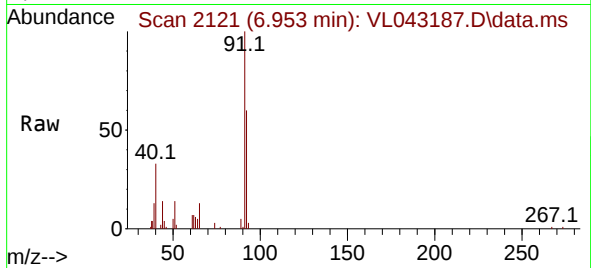
Tgt Ion:164 Resp: 5803
Ion Ratio Lower Upper
164 100
166 101.0 97.6 146.4
129 86.5 84.5 126.7
131 52.1 77.2 115.8





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

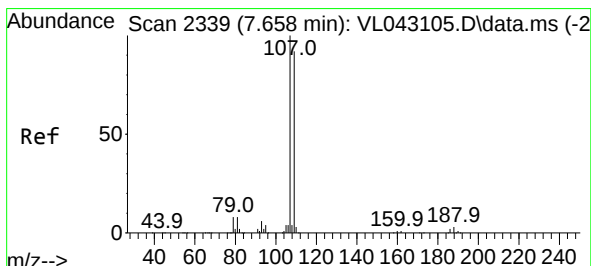
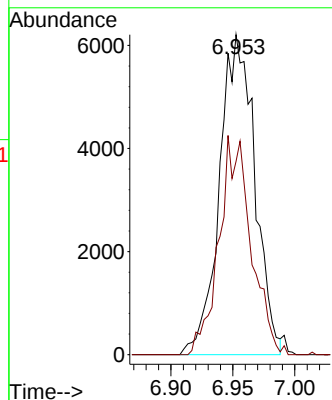
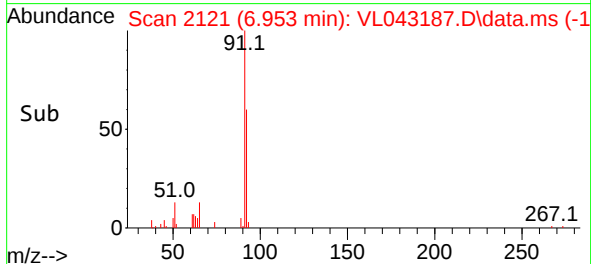
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



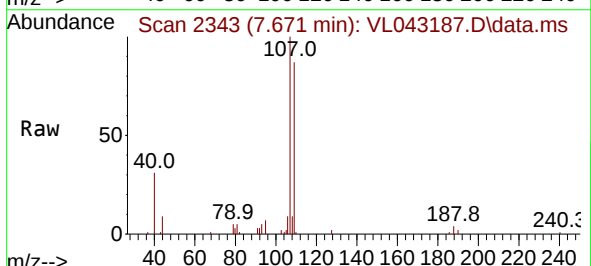
Tgt Ion: 91 Resp: 1231
Ion Ratio Lower Upper
91 100
92 61.7 48.8 73.2

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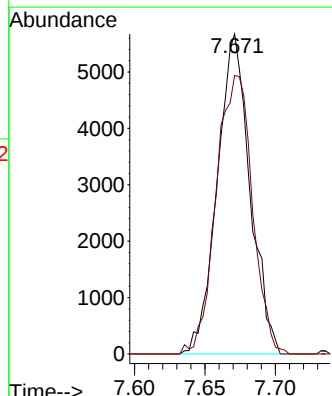
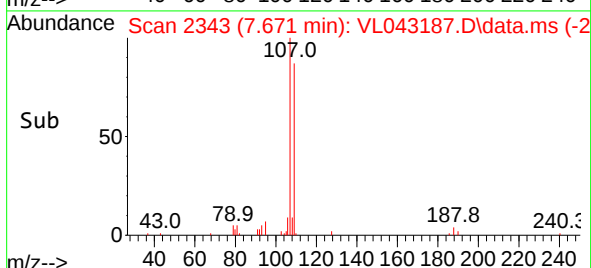
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

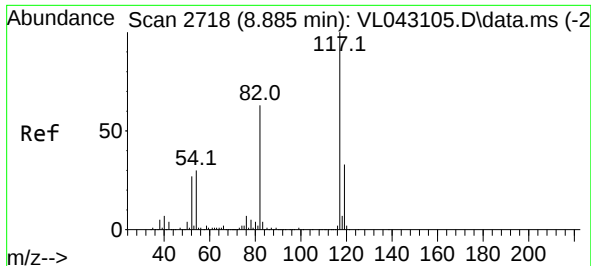


#54
1,2-Dibromoethane
Concen: 0.414 ppbv
RT: 7.671 min Scan# 2343
Delta R.T. 0.013 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44



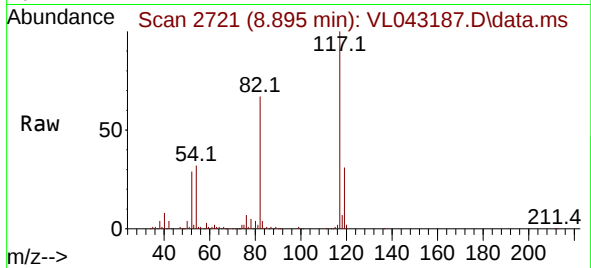
Tgt Ion:107 Resp: 9170
Ion Ratio Lower Upper
107 100
109 87.0 73.4 110.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2718
Delta R.T. 0.010 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

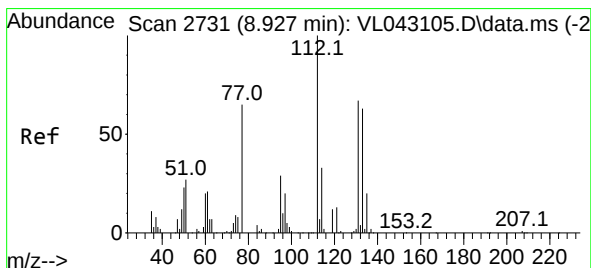
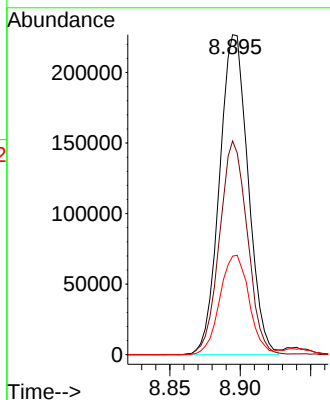
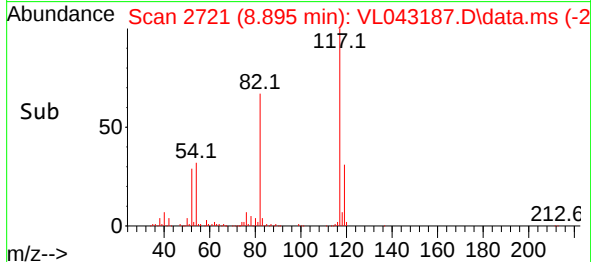
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



Tgt Ion:117 Resp: 32091
Ion Ratio Lower Upper
117 100
82 65.3 53.8 80.8
119 33.7 25.4 38.0

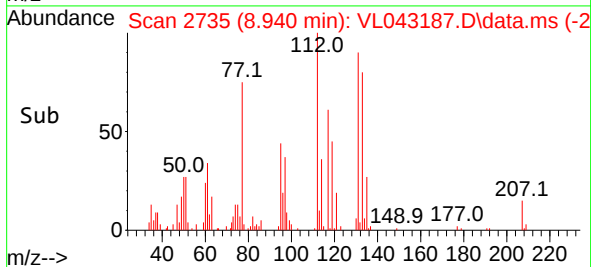
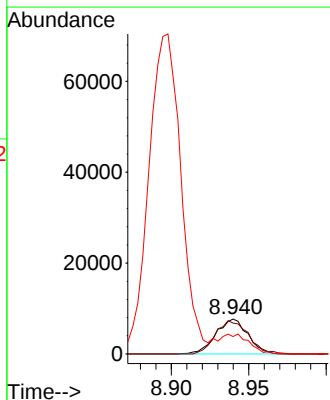
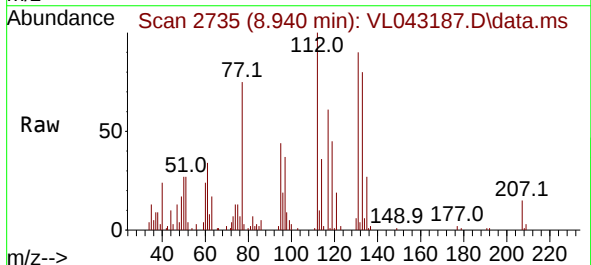
Manual Integrations
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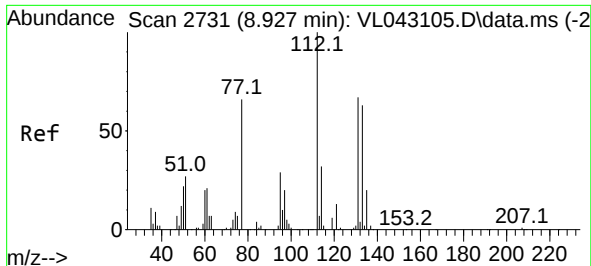
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.543 ppbv
RT: 8.940 min Scan# 2735
Delta R.T. 0.013 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

Tgt Ion:131 Resp: 10992
Ion Ratio Lower Upper
131 100
133 98.4 75.7 113.5
119 984.7 50.6 76.0#





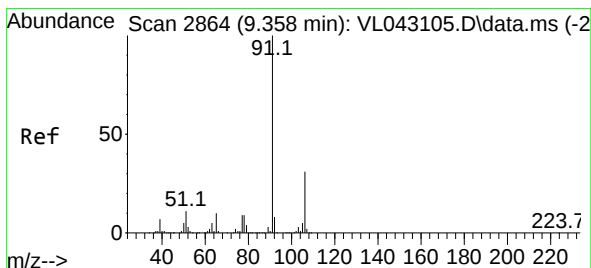
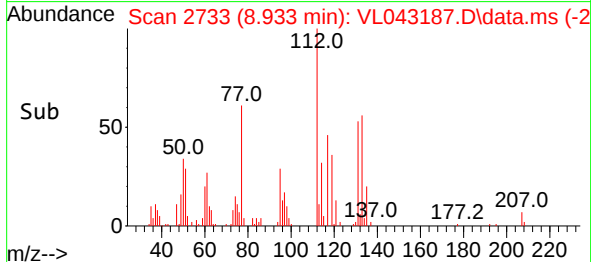
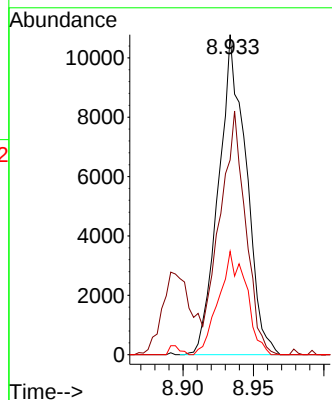
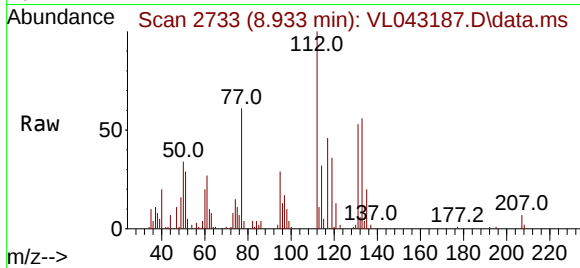
#57
Chlorobenzene
Concen: 0.489 ppbv
RT: 8.933 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

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

Tgt Ion: 112 Resp: 1466
Ion Ratio Lower Upper
112 100
77 60.9 53.3 79.9
114 32.3 29.3 35.8

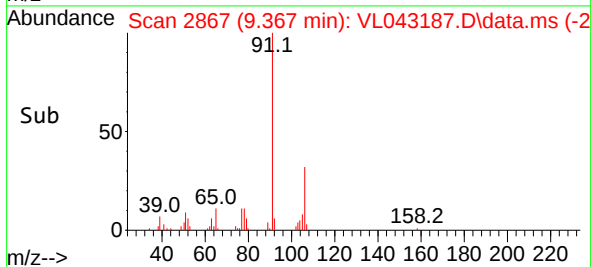
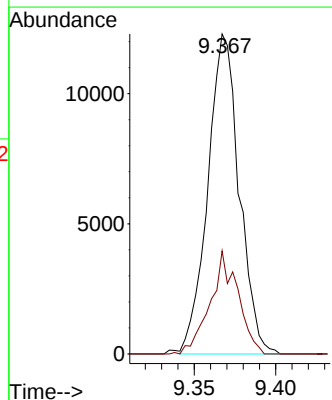
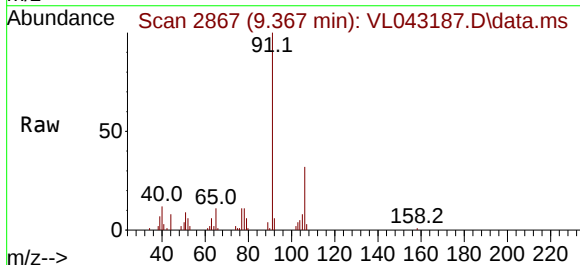
Manual Integrations
APPROVED

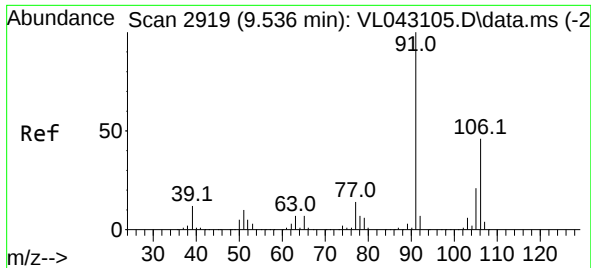
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



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

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





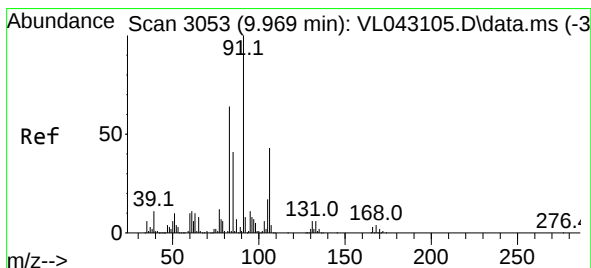
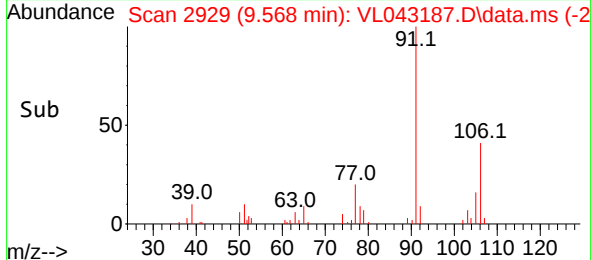
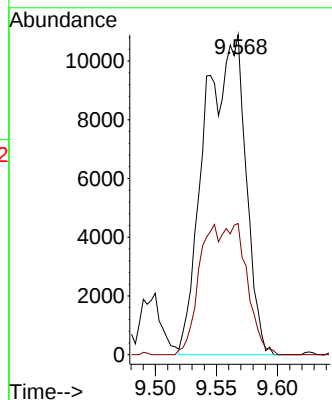
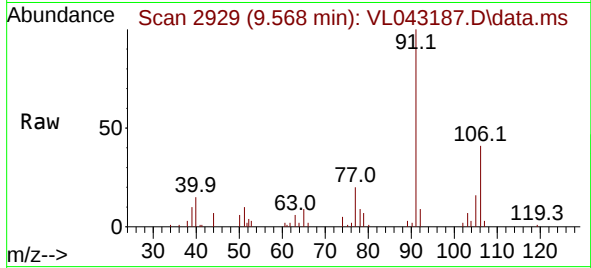
#59
m/p-Xylene
Concen: 0.580 ppbv m
RT: 9.568 min Scan# 2919
Delta R.T. 0.032 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

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

Tgt Ion: 91 Resp: 25479
Ion Ratio Lower Upper
91 100
106 0.0 38.0 57.0

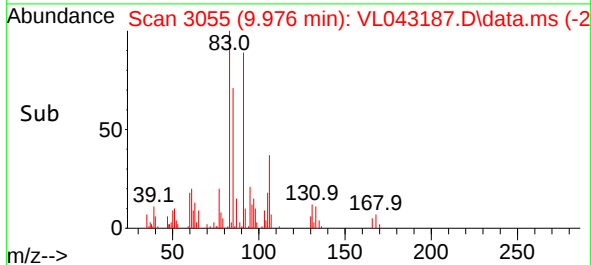
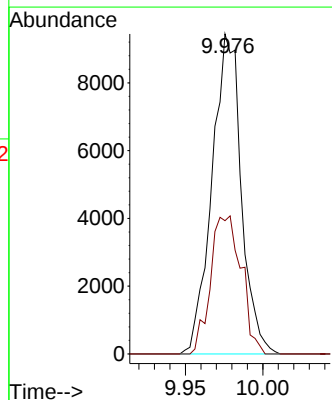
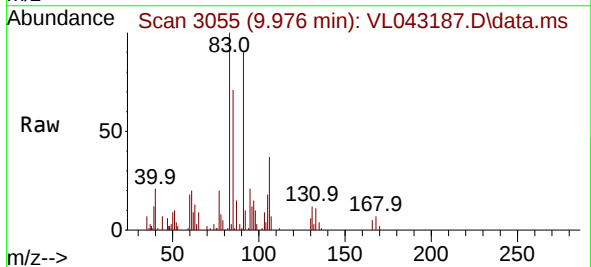
Manual Integrations
APPROVED

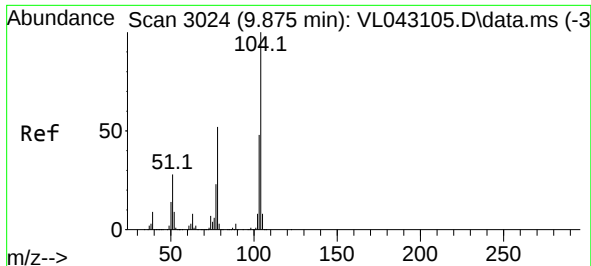
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#60
o-Xylene
Concen: 0.287 ppbv
RT: 9.976 min Scan# 3055
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

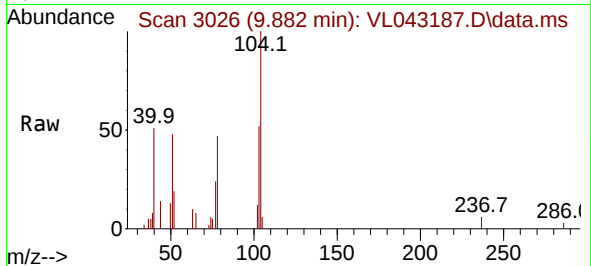
Tgt Ion: 91 Resp: 12447
Ion Ratio Lower Upper
91 100
106 45.3 21.9 65.8





#61
Styrene
Concen: 0.225 ppbv m
RT: 9.882 min Scan# 3024
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

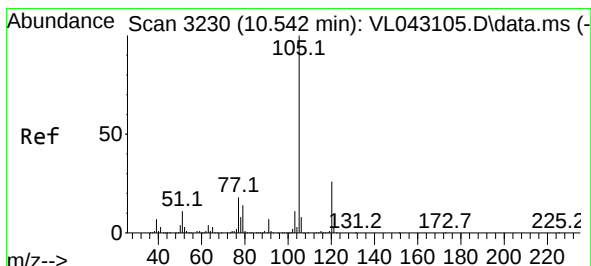
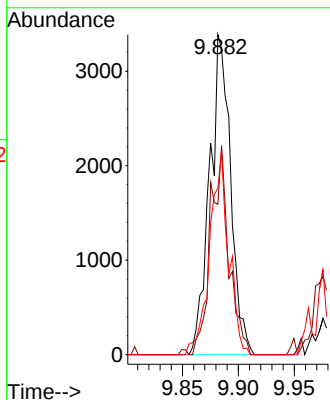
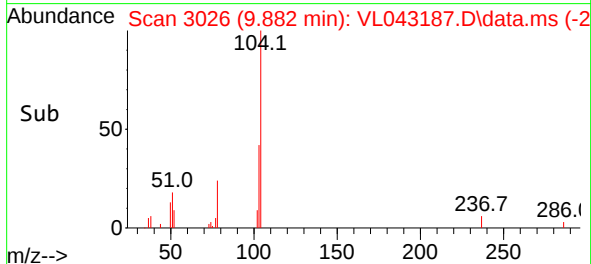
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2025



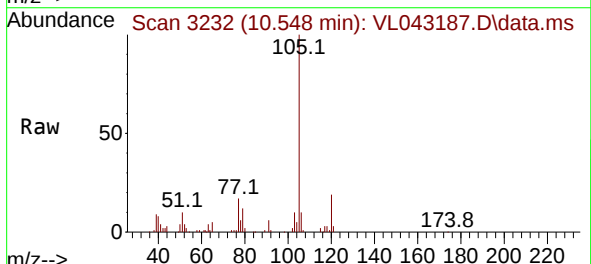
Tgt Ion:104 Resp: 4400
Ion Ratio Lower Upper
104 100
78 58.0 40.2 60.2
103 57.3 36.9 55.3

Manual Integrations
APPROVED

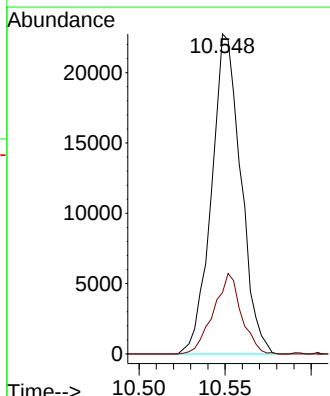
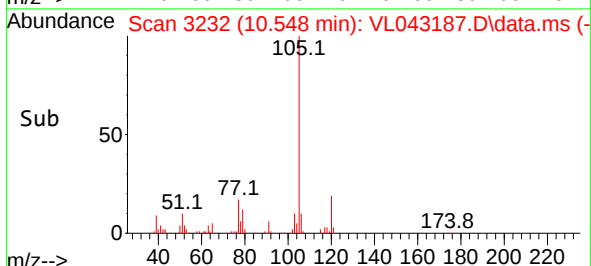
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

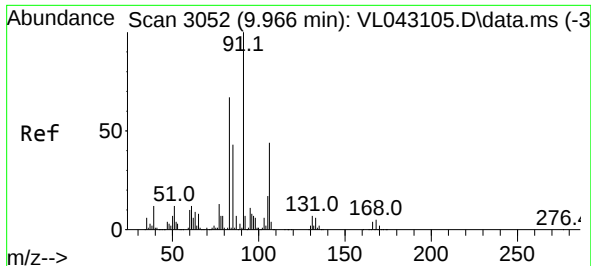


#62
Isopropylbenzene
Concen: 0.344 ppbv
RT: 10.548 min Scan# 3232
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44



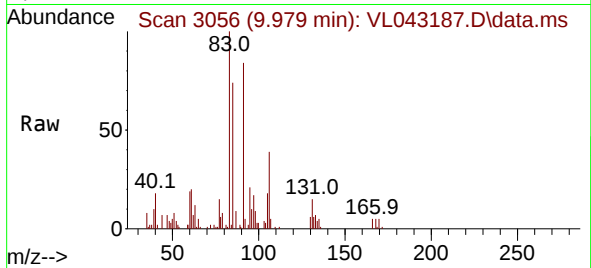
Tgt Ion:105 Resp: 26984
Ion Ratio Lower Upper
105 100
120 23.8 20.2 30.4





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

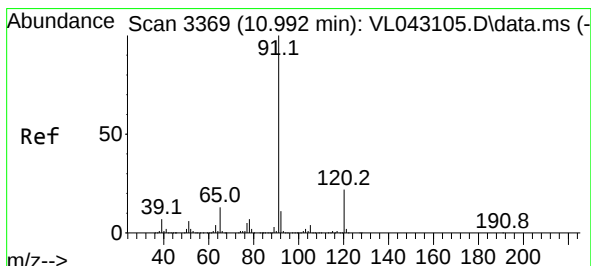
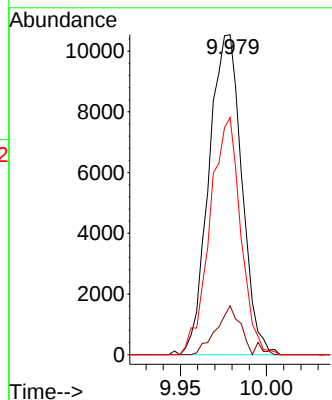
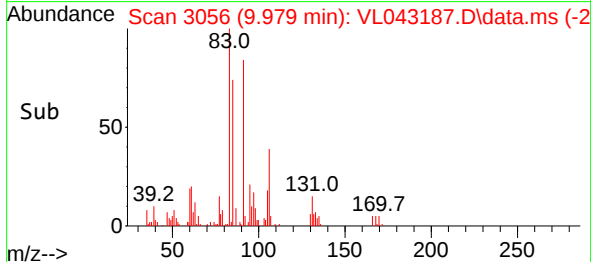
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



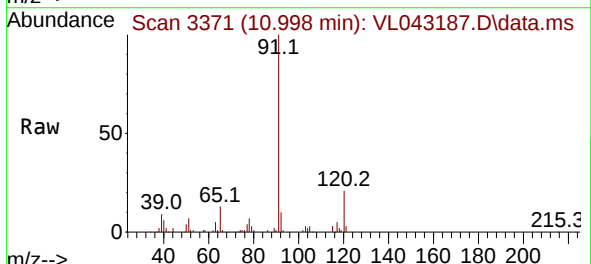
Tgt Ion: 83 Resp: 13994
Ion Ratio Lower Upper
83 100
131 12.0 4.8 14.3
85 69.2 32.0 96.0

Manual Integrations
APPROVED

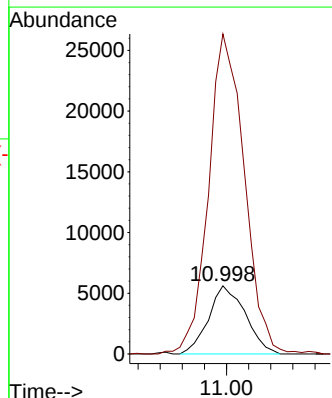
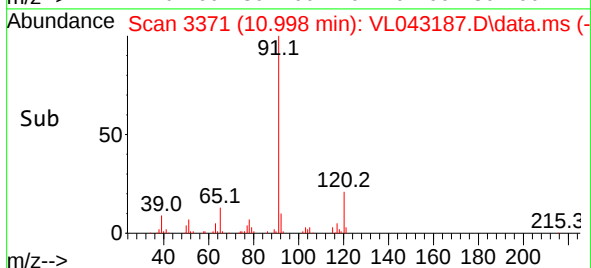
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

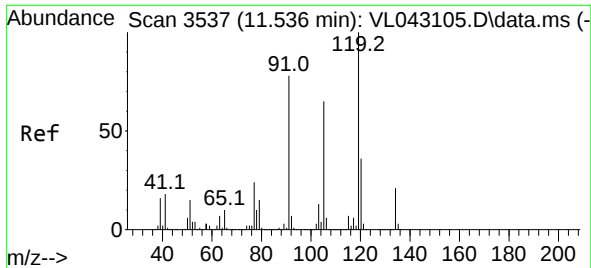


#64
n-propylbenzene
Concen: 0.312 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44



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





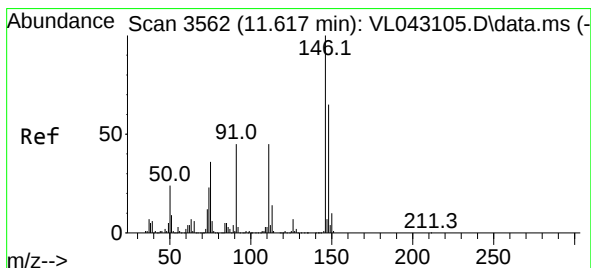
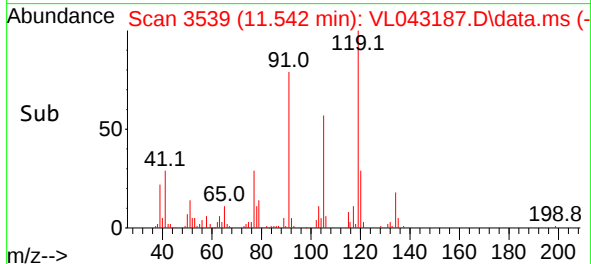
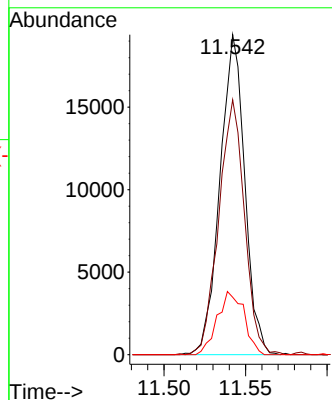
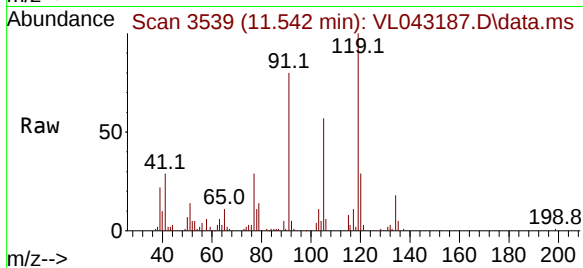
#65
tert-Butylbenzene
Concen: 0.296 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

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

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

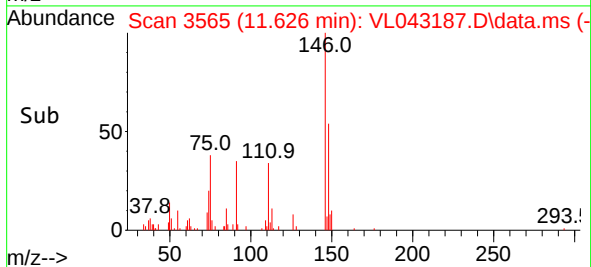
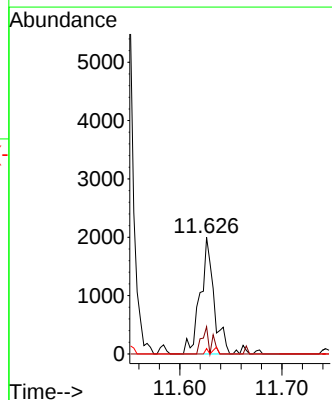
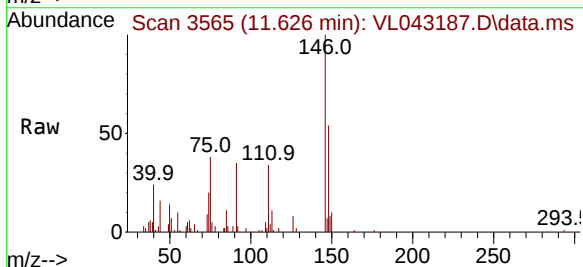
Manual Integrations
APPROVED

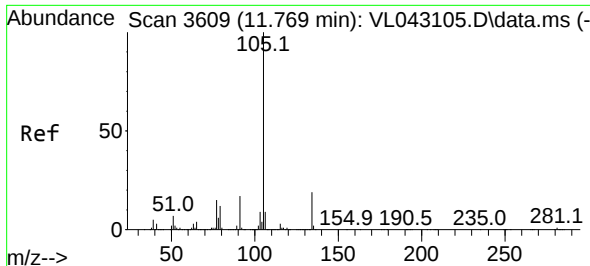
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#66
Benzyl Chloride
Concen: 0.250 ppbv m
RT: 11.626 min Scan# 3565
Delta R.T. 0.010 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

Tgt Ion: 91 Resp: 1924
Ion Ratio Lower Upper
91 100
126 14.4 14.6 22.0#
128 0.0 4.6 6.8#





#67

sec-Butylbenzene

Concen: 0.330 ppbv

RT: 11.775 min Scan# 3611

Delta R.T. 0.006 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

Tgt Ion:105 Resp: 3239

Ion Ratio Lower Upper

105 100

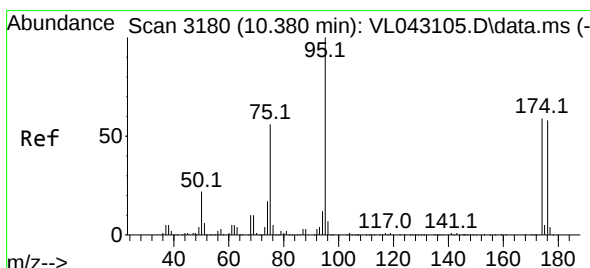
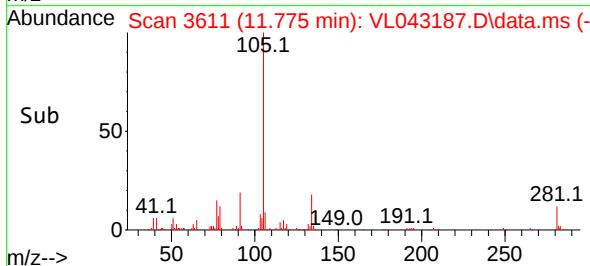
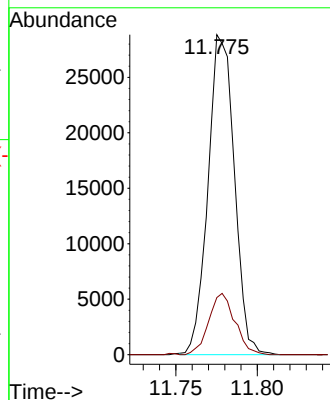
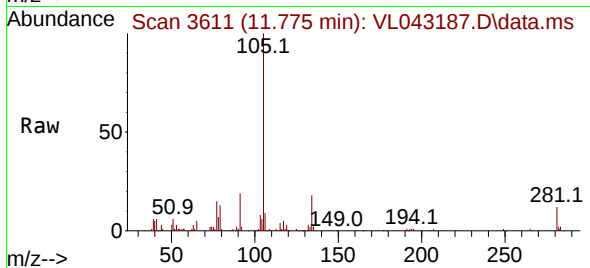
134 19.2 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025

Supervised By :Mahesh Dadoda 11/13/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 9.842 ppbv

RT: 10.387 min Scan# 3182

Delta R.T. 0.006 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

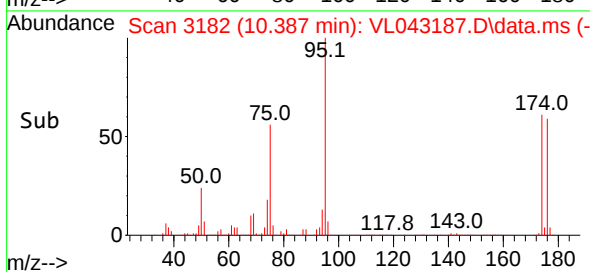
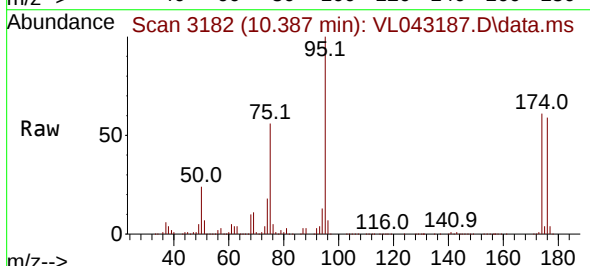
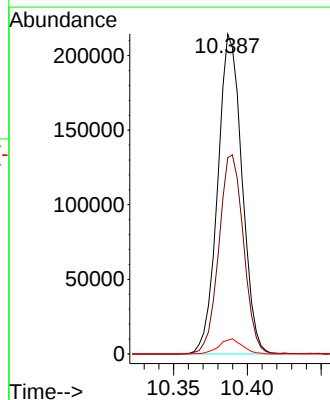
Tgt Ion: 95 Resp: 245506

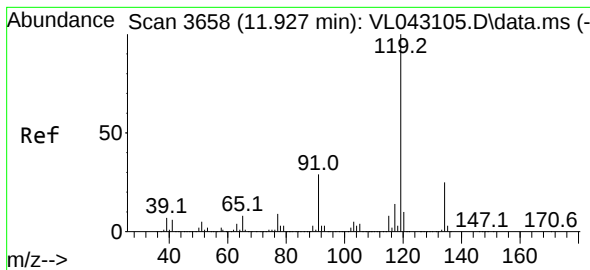
Ion Ratio Lower Upper

95 100

174 63.3 48.3 72.5

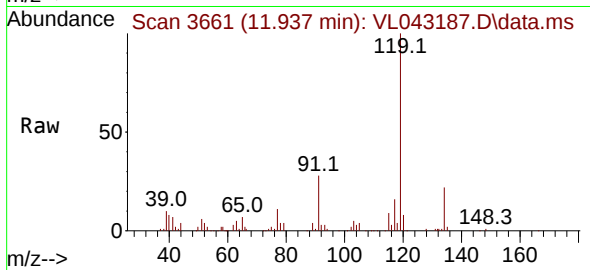
175 4.6 3.8 5.8





#69
p-Isopropyltoluene
Concen: 0.281 ppbv
RT: 11.937 min Scan# 3661
Delta R.T. 0.010 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

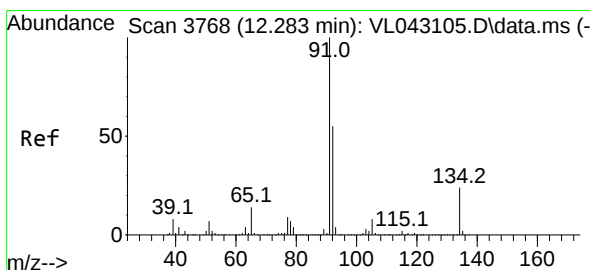
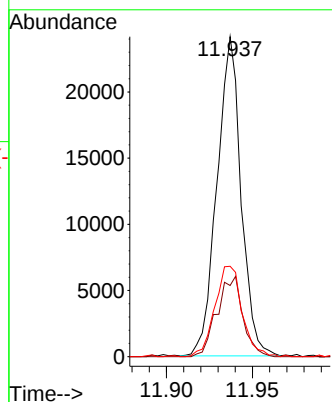
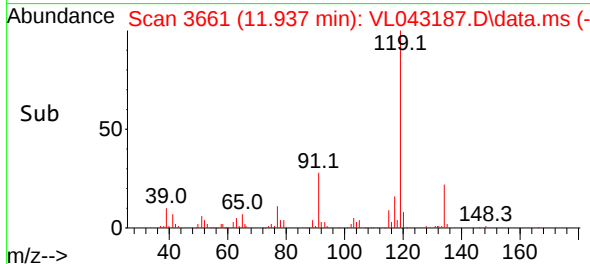
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



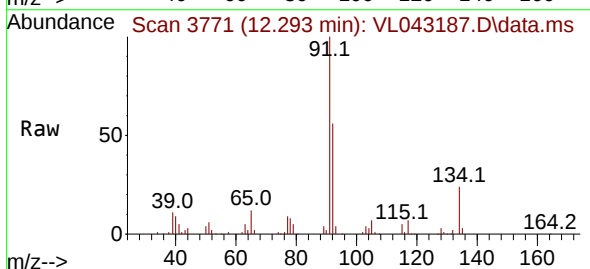
Tgt Ion:119 Resp: 2348
Ion Ratio Lower Upper
119 100
134 27.0 20.3 30.5
91 32.4 22.6 33.8

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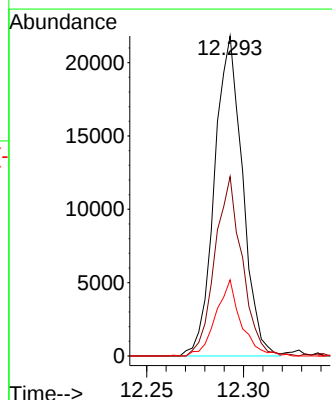
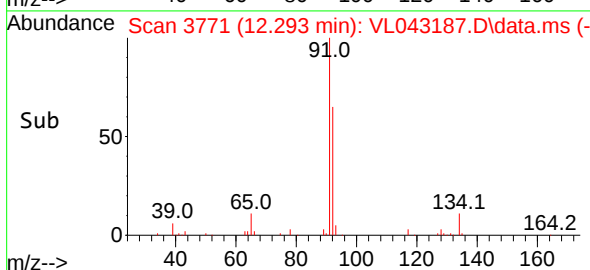
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

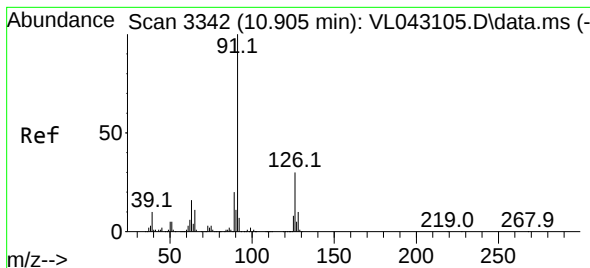


#70
n-Butylbenzene
Concen: 0.267 ppbv
RT: 12.293 min Scan# 3771
Delta R.T. 0.010 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44



Tgt Ion: 91 Resp: 21963
Ion Ratio Lower Upper
91 100
92 54.9 44.5 66.7
134 21.3 19.3 28.9





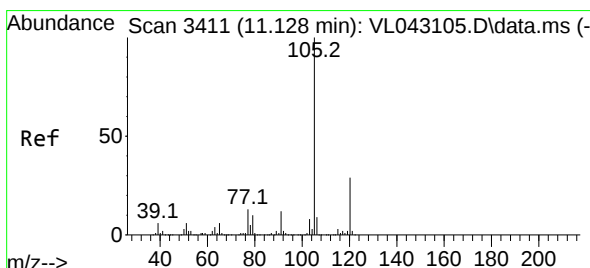
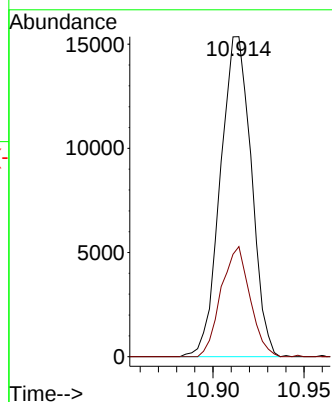
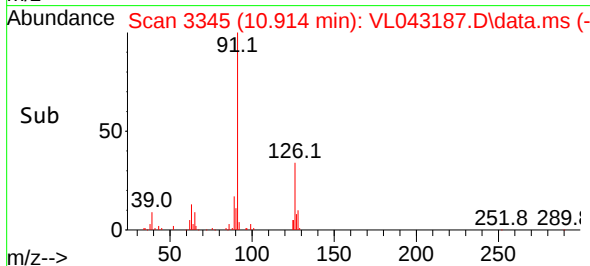
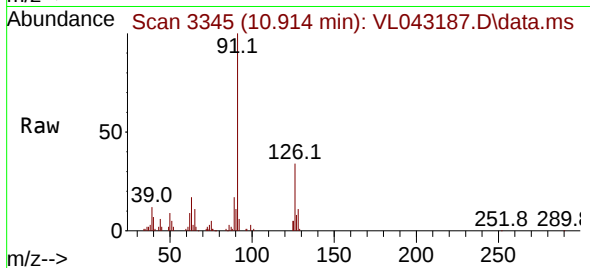
#71
2-Chlorotoluene
Concen: 0.304 ppbv
RT: 10.914 min Scan# 311
Delta R.T. 0.010 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

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

Tgt Ion: 91 Resp: 1815
Ion Ratio Lower Upper
91 100
126 32.1 12.0 48.0

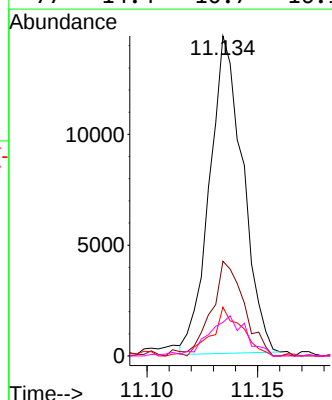
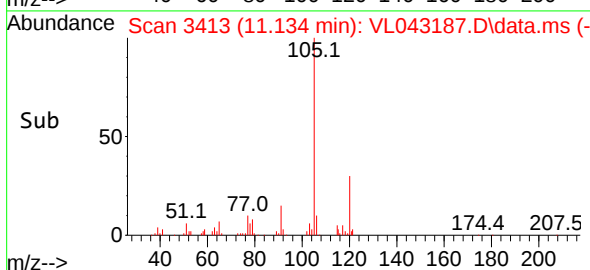
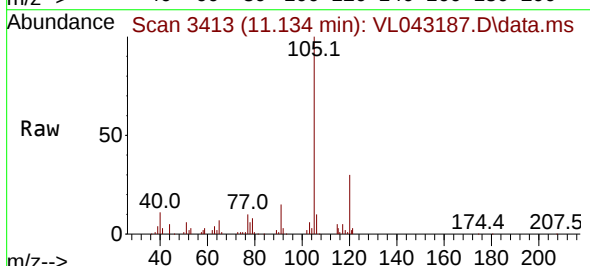
Manual Integrations
APPROVED

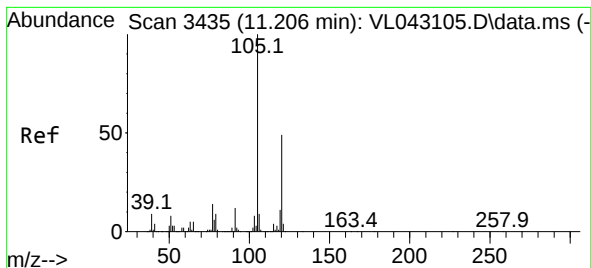
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#72
4-Ethyltoluene
Concen: 0.281 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44

Tgt Ion:105 Resp: 14989
Ion Ratio Lower Upper
105 100
120 30.1 24.2 36.4
91 15.2 10.0 15.0#
77 14.4 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 0.290 ppbv

RT: 11.215 min Scan# 3435

Delta R.T. 0.010 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

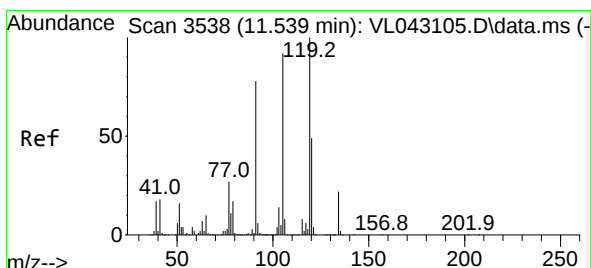
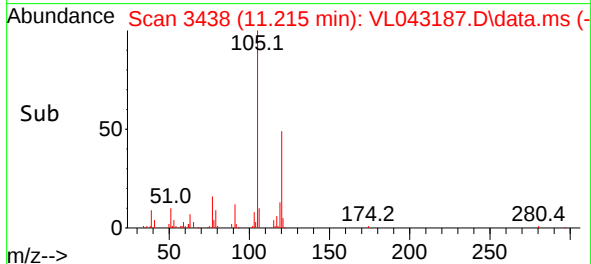
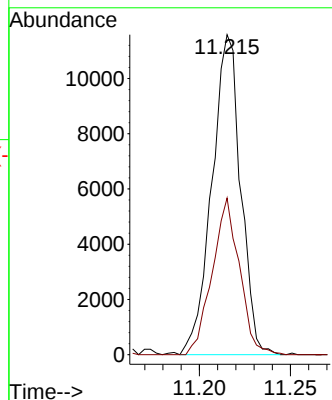
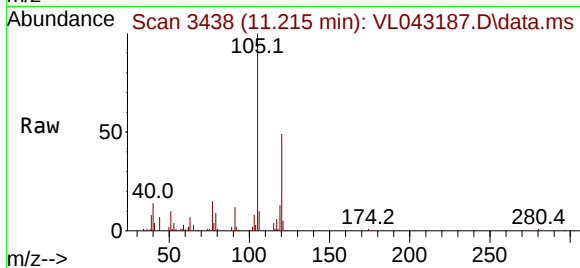
MDL-AIR-03-QT4-2025

Tgt Ion:105 Resp: 1274
 Ion Ratio Lower Upper
 105 100
 120 48.9 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: 0.310 ppbv

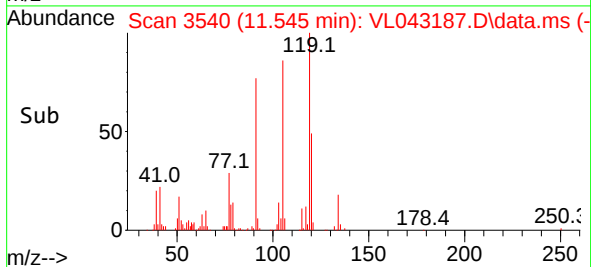
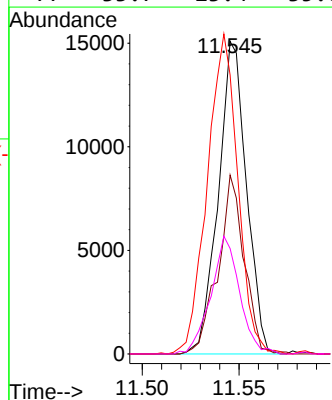
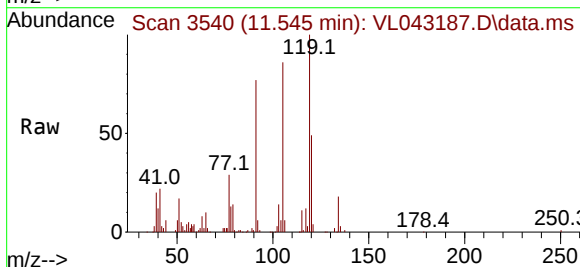
RT: 11.545 min Scan# 3540

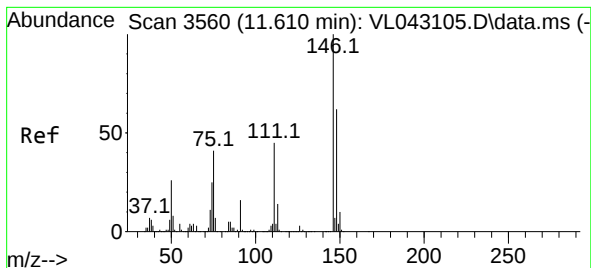
Delta R.T. 0.006 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

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





#75

1,3-Dichlorobenzene

Concen: 0.453 ppbv

RT: 11.617 min Scan# 3560

Delta R.T. 0.006 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

Instrument :

MSVOA_L

ClientSampleId :

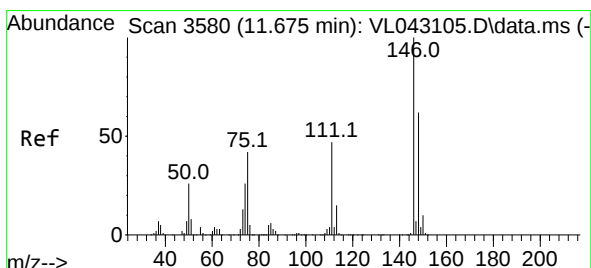
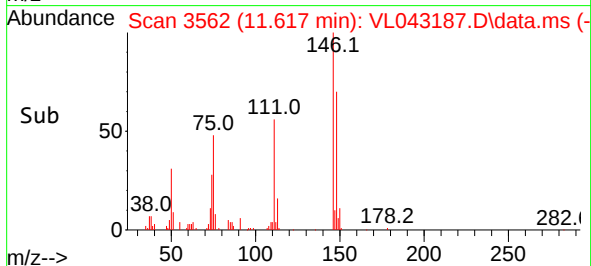
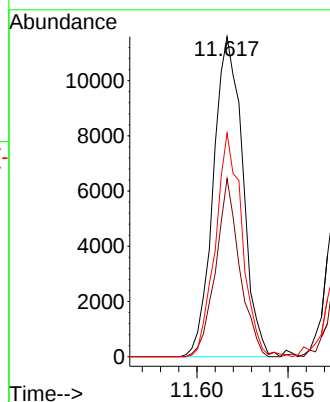
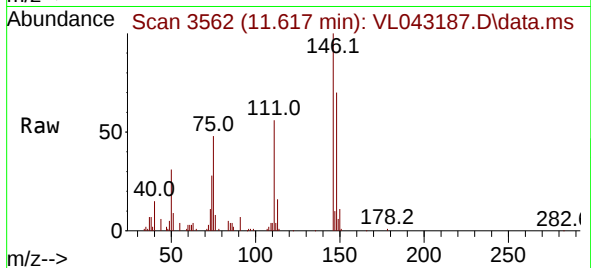
MDL-AIR-03-QT4-2025

Tgt Ion:	146	Resp:	1294
Ion Ratio	Lower	Upper	
146	100		
111	45.4	23.3	69.9
148	63.5	31.6	95.0

Manual Integrations

APPROVED

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



#76

1,4-Dichlorobenzene

Concen: 0.394 ppbv

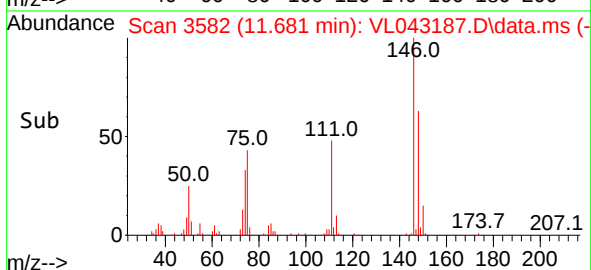
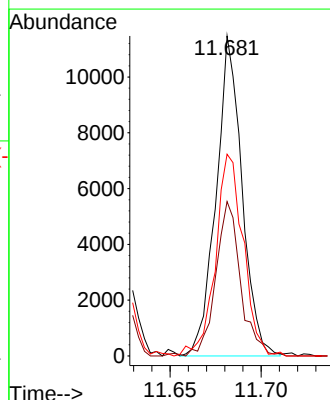
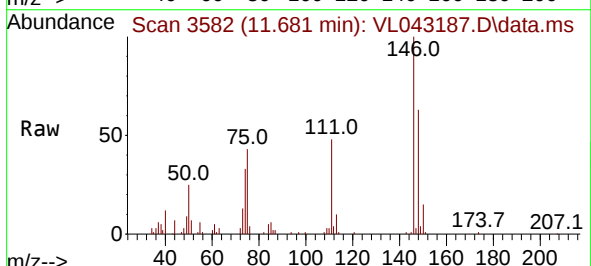
RT: 11.681 min Scan# 3582

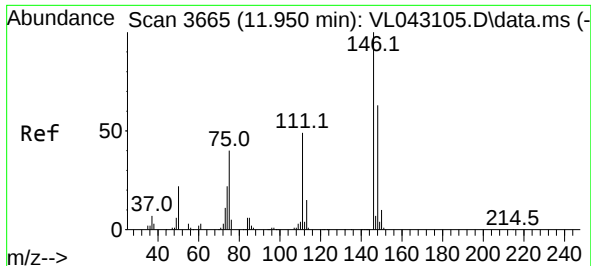
Delta R.T. 0.006 min

Lab File: VL043187.D

Acq: 11 Nov 2025 12:44

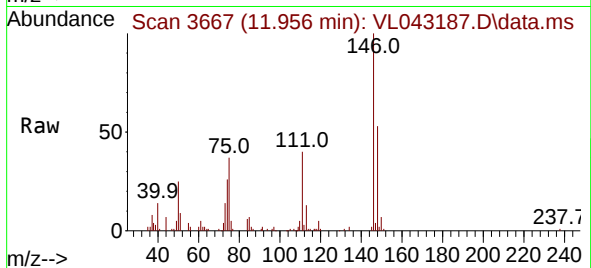
Tgt Ion:	146	Resp:	11333
Ion Ratio	Lower	Upper	
146	100		
111	46.4	22.4	67.0
148	67.5	31.6	94.7





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

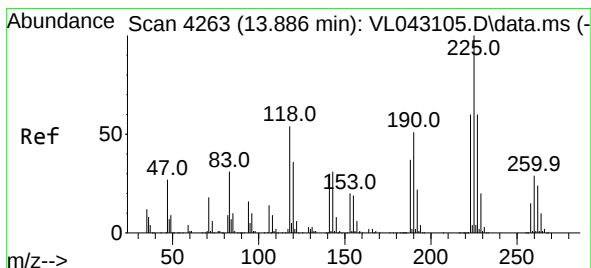
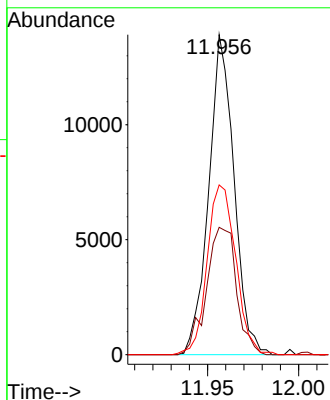
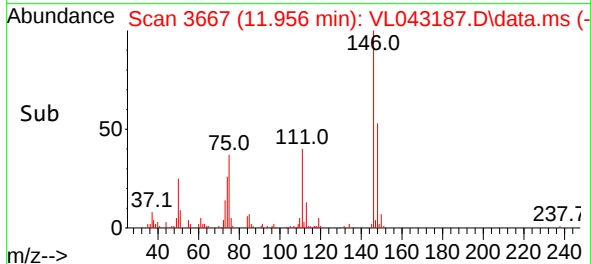
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



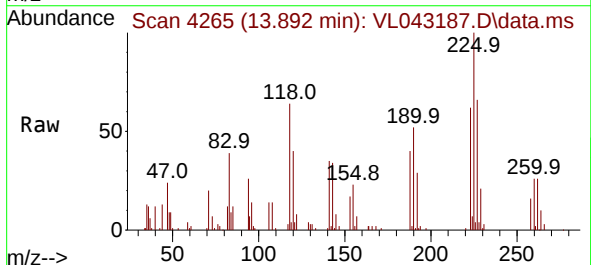
Tgt Ion:146 Resp: 13460
Ion Ratio Lower Upper
146 100
111 47.1 24.0 72.0
148 59.8 31.1 93.3

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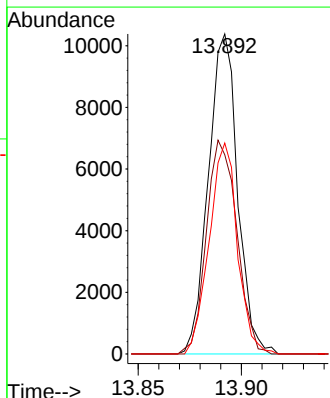
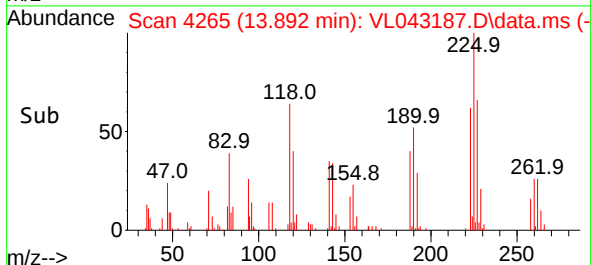
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

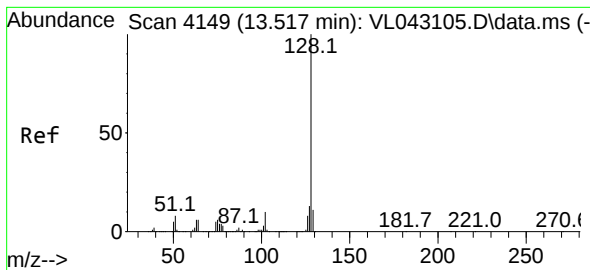


#78
Hexachloro-1,3-Butadiene
Concen: 0.478 ppbv
RT: 13.892 min Scan# 4265
Delta R.T. 0.006 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44



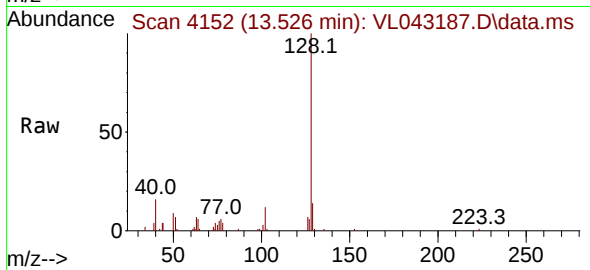
Tgt Ion:225 Resp: 10223
Ion Ratio Lower Upper
225 100
223 69.5 50.2 75.4
227 63.5 49.6 74.4





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

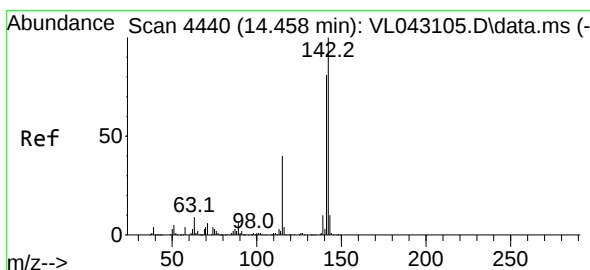
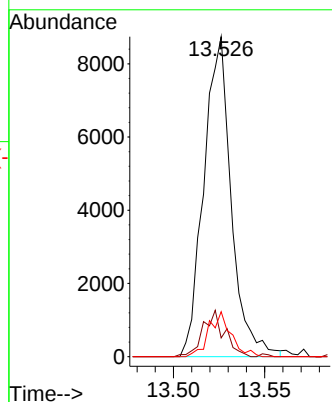
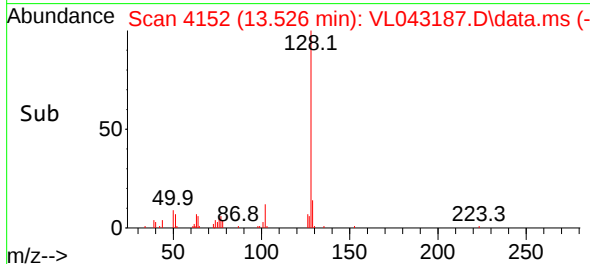
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



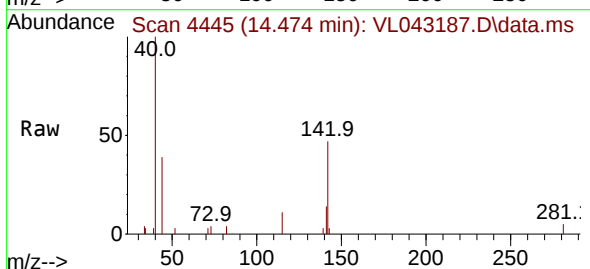
Tgt Ion:128 Resp: 9160
Ion Ratio Lower Upper
128 100
127 5.9 10.5 15.7
129 14.1 9.1 13.7

Manual Integrations
APPROVED

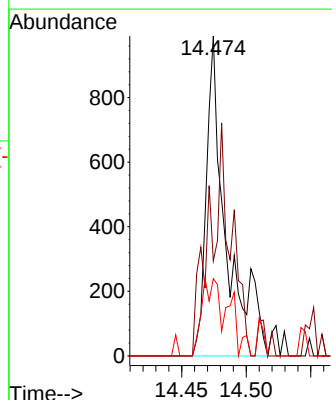
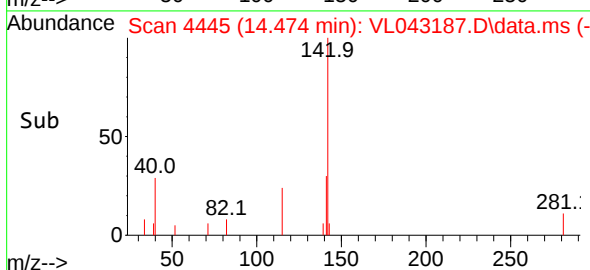
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

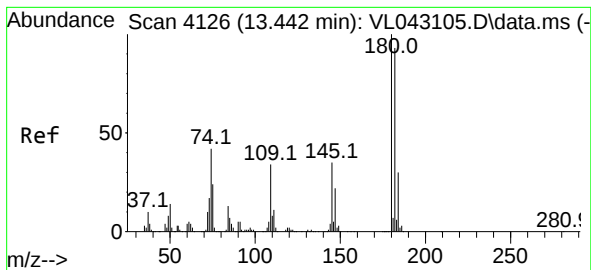


#80
Naphthalene,2-methyl-
Concen: 0.081 ppbv
RT: 14.474 min Scan# 4445
Delta R.T. 0.016 min
Lab File: VL043187.D
Acq: 11 Nov 2025 12:44



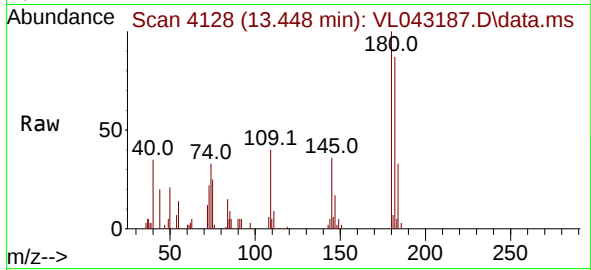
Tgt Ion:142 Resp: 1088
Ion Ratio Lower Upper
142 100
141 81.2 64.6 97.0
115 34.7 30.2 45.4





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

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



Tgt Ion:	180	Resp:	445
Ion Ratio	Lower	Upper	
180	100		
182	92.3	75.5	113.3
184	26.5	23.9	35.9

Manual Integrations
 APPROVED

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

