

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060525\
 Data File : VL042619.D
 Acq On : 05 Jun 2025 13:11
 Operator : SY/MD
 Sample : Q2126-15 MDL 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025

Quant Time: Jun 06 01:41:21 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	101758	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	263661	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	236658	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 175310 9.882 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	1496	0.120	ppbv #	76
3) Chlorodifluoromethane	1.476	51	2253	0.131	ppbv	95
4) Chloromethane	1.534	50	619	0.125	ppbv	89
5) Vinyl Chloride	1.580	62	517	0.102	ppbv #	88
6) Bromomethane	1.670	94	331	0.135	ppbv #	41
7) Chloroethane	1.703	64	256	0.131	ppbv #	64
8) Dichlorotetrafluoroethane	1.554	85	1125	0.108	ppbv	92
9) Propene	1.486	41	712m	0.103	ppbv	
10) Heptane	4.981	43	1972m	0.101	ppbv	
11) Trichlorofluoromethane	1.881	101	1572	0.135	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	1101	0.120	ppbv	97
14) Bromoethene	1.784	108	503	0.146	ppbv	88
15) Acetone	1.839	43	2202	0.180	ppbv #	90
16) 1,3-Butadiene	1.609	39	976	0.168	ppbv #	76
17) tert-Butyl alcohol	2.049	59	1589	0.124	ppbv #	79
18) 1,1-Dichloroethene	2.036	96	582m	0.137	ppbv	
19) Isopropyl Alcohol	1.890	45	1246	0.170	ppbv	100
20) Methylene Chloride	2.062	84	1096	0.271	ppbv	95
21) Allyl Chloride	2.101	41	1210m	0.140	ppbv	
22) trans-1,2-Dichloroethene	2.343	96	528	0.112	ppbv #	84
23) Vinyl Acetate	2.466	43	2801	0.169	ppbv #	74
24) 1,1-Dichloroethane	2.415	63	1094m	0.112	ppbv	
25) Ethyl Acetate	2.845	43	2266m	0.068	ppbv	
26) Hexane	2.829	57	1458	0.096	ppbv #	8
27) Carbon Disulfide	2.153	76	1341	0.115	ppbv #	1
28) Methyl tert-Butyl Ether	2.447	73	694m	0.112	ppbv	
29) Chloroform	2.852	83	2536	0.128	ppbv	94
30) Cyclohexane	3.865	84	944m	0.075	ppbv	
31) cis-1,2-Dichloroethene	2.729	61	1701m	0.122	ppbv	
32) 1,1,1-Trichloroethane	3.373	97	2237	0.110	ppbv	97
34) 2-Butanone	2.567	43	2602m	0.138	ppbv	
35) Carbon Tetrachloride	3.768	117	2242m	0.129	ppbv	
36) Benzene	3.664	78	3105m	0.120	ppbv	
37) 1,2-Dichloroethane	3.227	62	1859	0.144	ppbv #	91
38) Trichloroethene	4.554	130	1523m	0.138	ppbv	
39) 1,2-Dichloropropane	4.321	63	1420m	0.148	ppbv	
40) 1,4-Dioxane	4.625	88	479m	0.111	ppbv	
41) Tetrahydrofuran	3.072	42	1285m	0.117	ppbv	
42) Bromodichloromethane	4.502	83	2510m	0.137	ppbv	
43) Methyl Methacrylate	4.891	69	1073m	0.106	ppbv	
44) 2,2,4-Trimethylpentane	4.645	57	5429m	0.122	ppbv	
45) t-1,3-Dichloropropene	6.431	75	1100m	0.095	ppbv	
46) cis-1,3-Dichloropropene	5.616	75	1531m	0.106	ppbv	

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 Supervised By :Mahesh Dadoda 06/06/2025

Quant Time: Jun 06 01:41:21 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

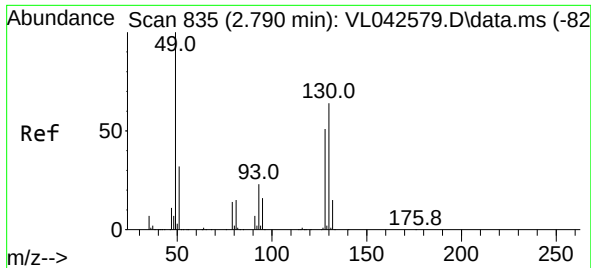
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

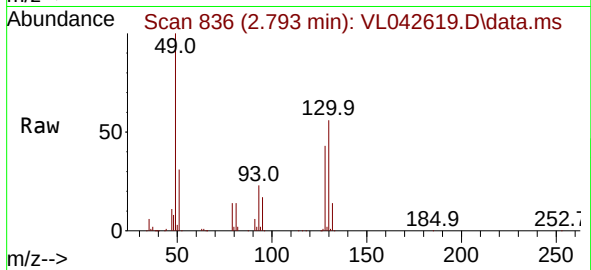
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	6.600	97	1248m	0.126	ppbv	
48) Dibromochloromethane	7.399	129	1975m	0.124	ppbv	
49) Bromoform	9.490	173	1449	0.106	ppbv	90
50) 4-Methyl-2-Pentanone	5.790	43	2535m	0.097	ppbv	
51) 2-Hexanone	7.467	43	1709m	0.083	ppbv	
52) Tetrachloroethene	8.237	164	1111m	0.115	ppbv	
53) Toluene	6.946	91	2460m	0.082	ppbv	
54) 1,2-Dibromoethane	7.671	107	1793m	0.122	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.937	131	1293	0.109	ppbv #	39
57) Chlorobenzene	8.927	112	2856m	0.124	ppbv	
58) Ethyl Benzene	9.364	91	3296m	0.082	ppbv	
59) m/p-Xylene	9.542	91	5052m	0.160	ppbv	
60) o-Xylene	9.969	91	2317	0.074	ppbv	86
61) Styrene	9.878	104	1029m	0.069	ppbv	
62) Isopropylbenzene	10.548	105	4374	0.094	ppbv	96
63) 1,1,2,2-Tetrachloroethane	9.975	83	2418	0.121	ppbv	97
64) n-propylbenzene	10.998	120	982m	0.079	ppbv	
65) tert-Butylbenzene	11.536	119	3148	0.075	ppbv	91
67) sec-Butylbenzene	11.775	105	4329	0.073	ppbv	96
69) p-Isopropyltoluene	11.937	119	3198	0.064	ppbv #	89
70) n-Butylbenzene	12.286	91	2843	0.058	ppbv	98
71) 2-Chlorotoluene	10.911	91	3343	0.094	ppbv	96
72) 4-Ethyltoluene	11.131	105	2270	0.058	ppbv #	86
73) 1,3,5-Trimethylbenzene	11.209	105	2317	0.071	ppbv #	76
74) 1,2,4-Trimethylbenzene	11.539	105	2472	0.069	ppbv #	72
75) 1,3-Dichlorobenzene	11.616	146	1878	0.083	ppbv	94
76) 1,4-Dichlorobenzene	11.678	146	2032	0.090	ppbv	97
77) 1,2-Dichlorobenzene	11.953	146	1900	0.086	ppbv	89
78) Hexachloro-1,3-Butadiene	13.882	225	1966m	0.108	ppbv	
79) Naphthalene	13.520	128	1125	0.033	ppbv #	81
81) 1,2,4-Trichlorobenzene	13.445	180	683m	0.036	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042619.D
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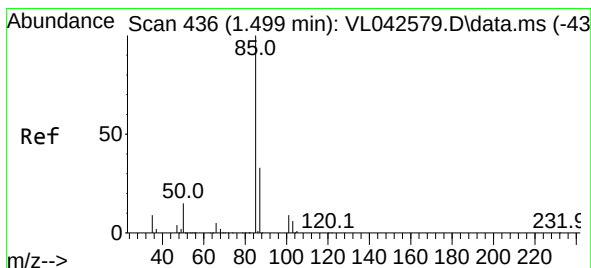
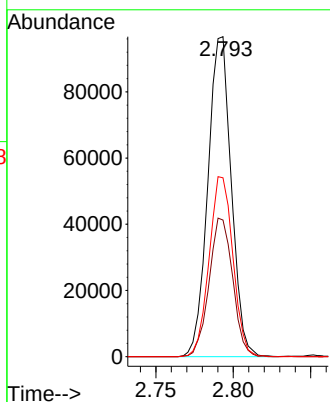
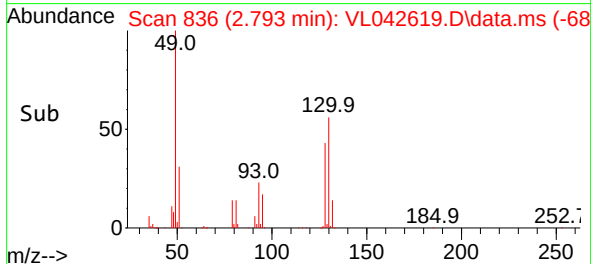
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



Tgt Ion: 49 Resp: 101758
Ion Ratio Lower Upper
49 100
128 43.7 24.2 72.6
130 57.0 30.4 91.2

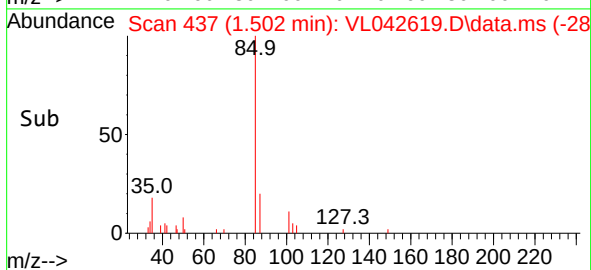
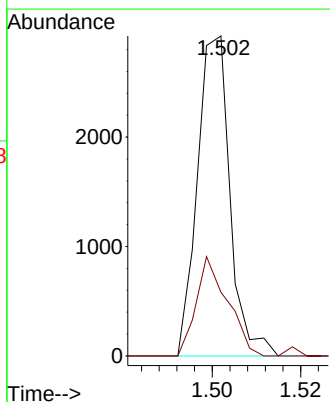
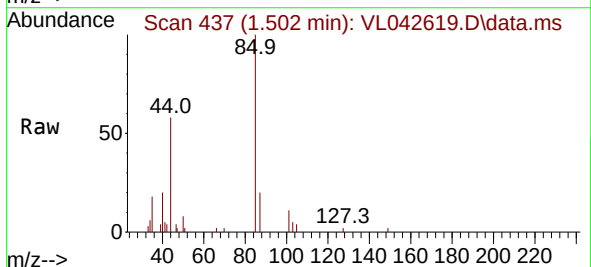
Manual Integrations
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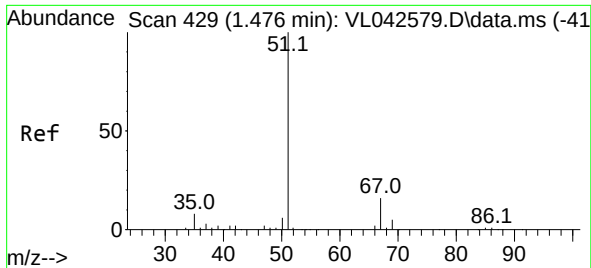
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#2
Dichlorodifluoromethane
Concen: 0.120 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

Tgt Ion: 85 Resp: 1496
Ion Ratio Lower Upper
85 100
87 19.9 26.6 39.8#





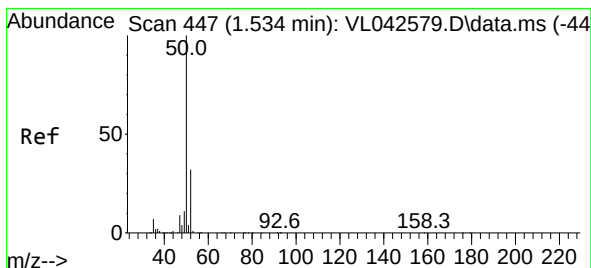
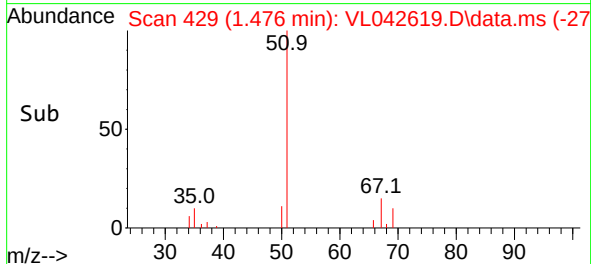
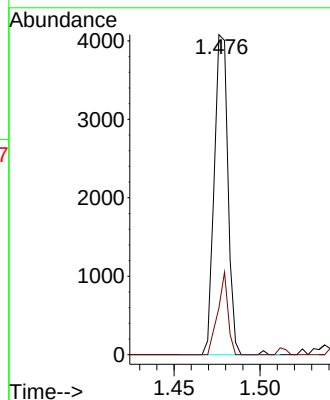
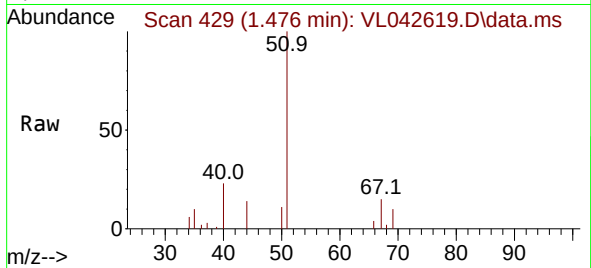
#3
Chlorodifluoromethane
Concen: 0.131 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT2-2025

Tgt Ion: 51 Resp: 225
Ion Ratio Lower Upper
51 100
67 19.0 13.4 20.2

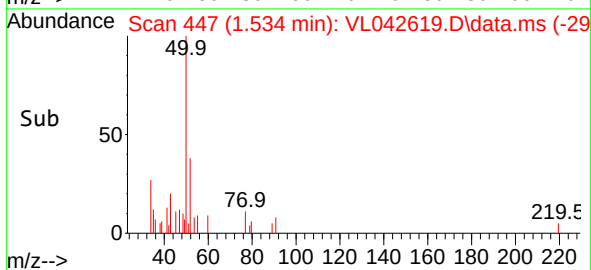
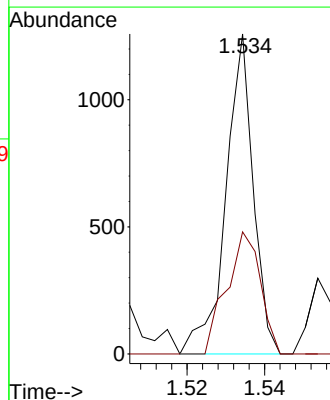
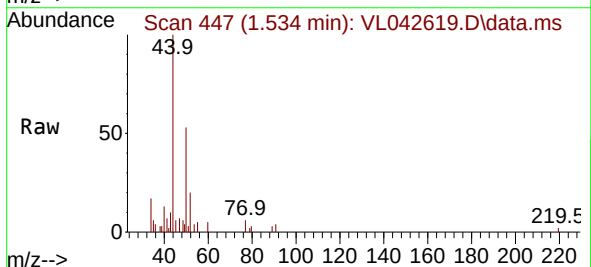
Manual Integrations
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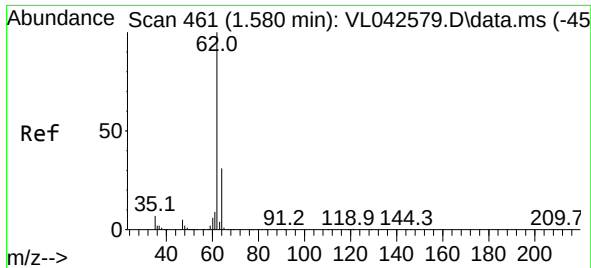
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#4
Chloromethane
Concen: 0.125 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

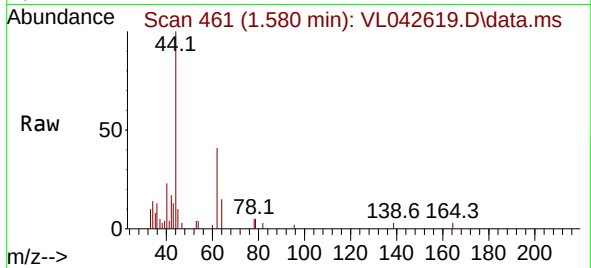
Tgt Ion: 50 Resp: 619
Ion Ratio Lower Upper
50 100
52 38.1 25.8 38.6





#5
 Vinyl Chloride
 Concen: 0.102 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042619.D
 Acq: 05 Jun 2025 13:11

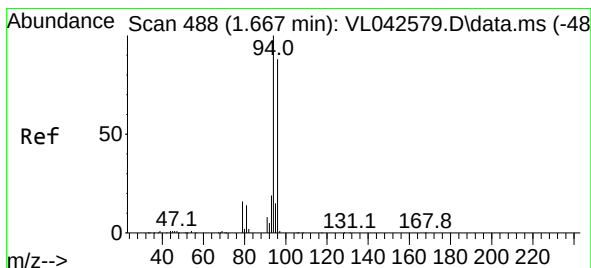
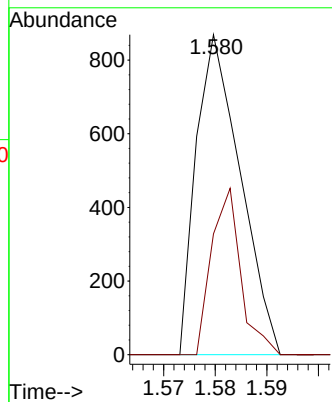
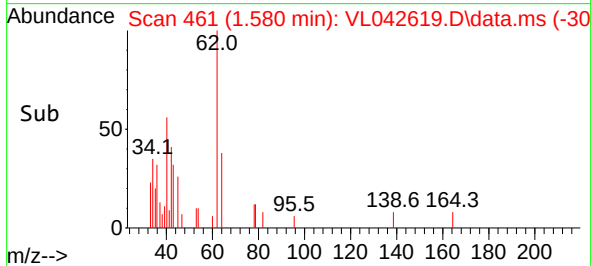
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2025



Tgt Ion: 62 Resp: 517
 Ion Ratio Lower Upper
 62 100
 64 37.7 24.9 37.3

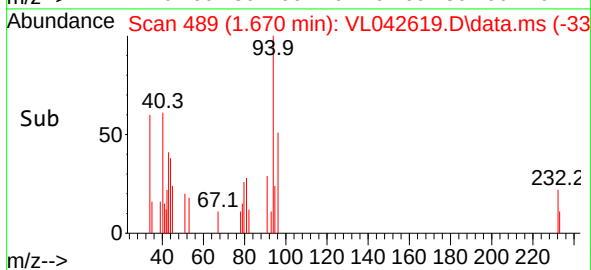
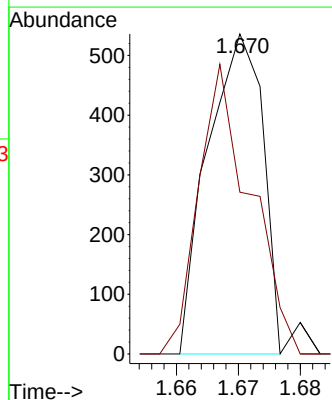
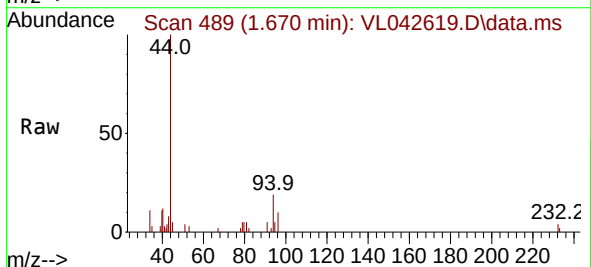
Manual Integrations
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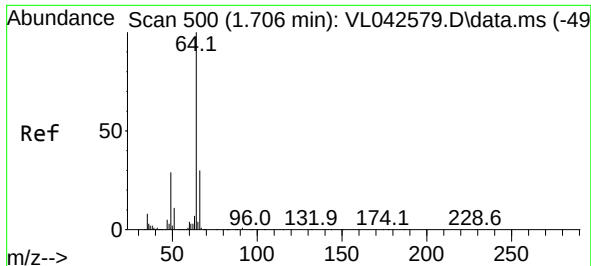
Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#6
 Bromomethane
 Concen: 0.135 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042619.D
 Acq: 05 Jun 2025 13:11

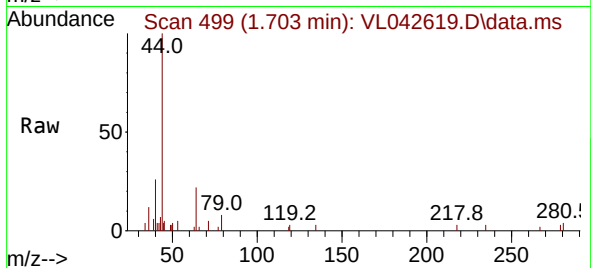
Tgt Ion: 94 Resp: 331
 Ion Ratio Lower Upper
 94 100
 96 33.2 70.7 106.1





#7
Chloroethane
Concen: 0.131 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.003 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

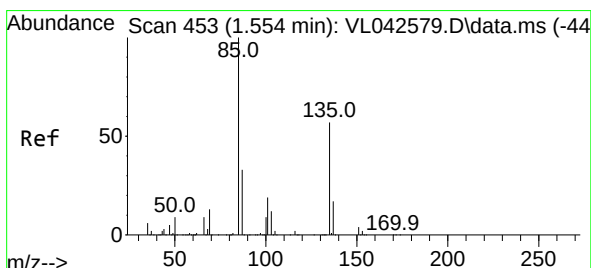
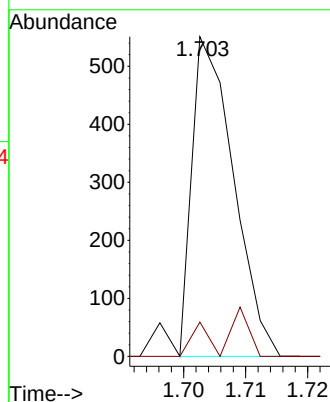
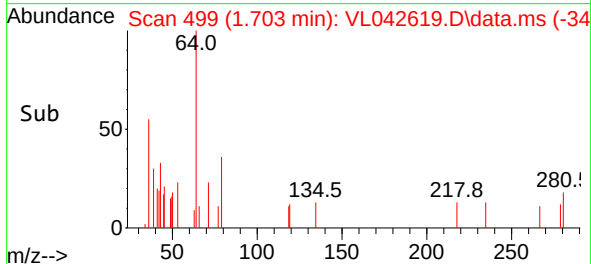
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT2-2025



Tgt Ion: 64 Resp: 250
Ion Ratio Lower Upper
64 100
66 10.7 24.3 36.5

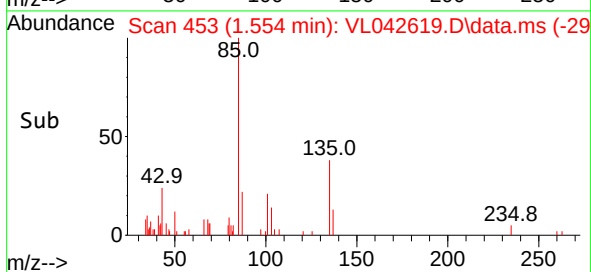
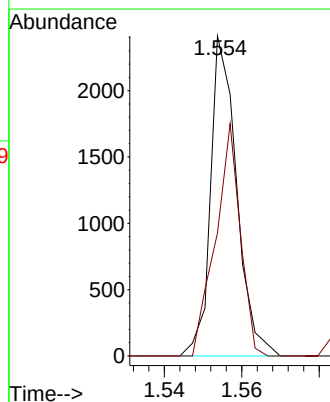
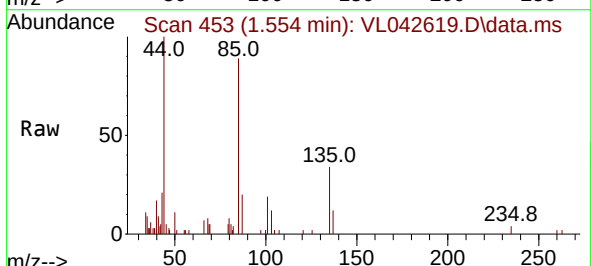
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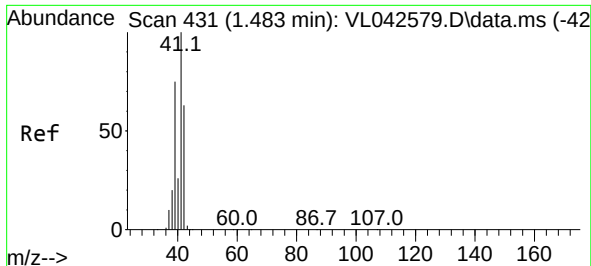
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#8
Dichlorotetrafluoroethane
Concen: 0.108 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

Tgt Ion: 85 Resp: 1125
Ion Ratio Lower Upper
85 100
135 69.1 50.2 75.4





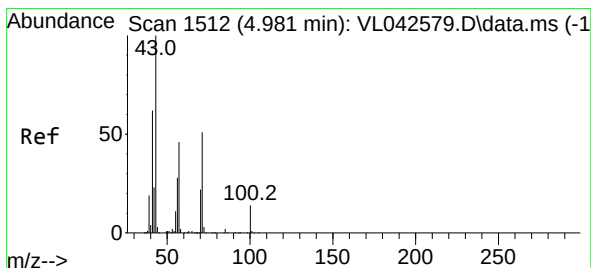
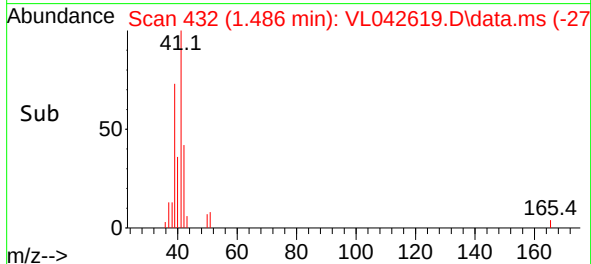
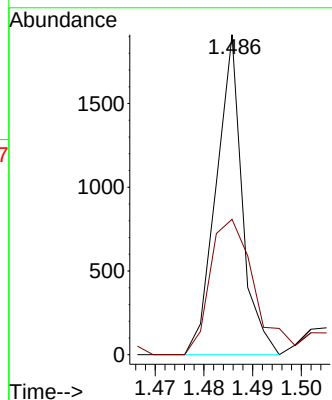
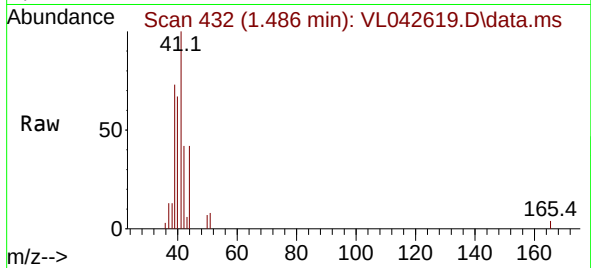
#9
 Propene
 Concen: 0.103 ppbv m
 RT: 1.486 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042619.D
 Acq: 05 Jun 2025 13:11

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2025

Tgt Ion: 41 Resp: 712
 Ion Ratio Lower Upper
 41 100
 42 23.7 53.3 79.9

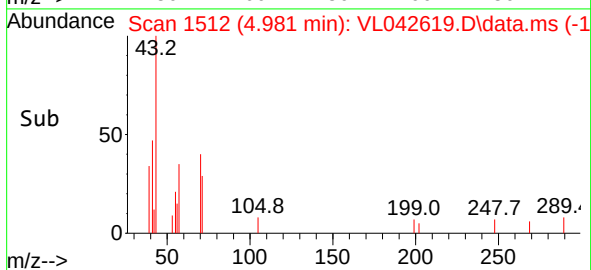
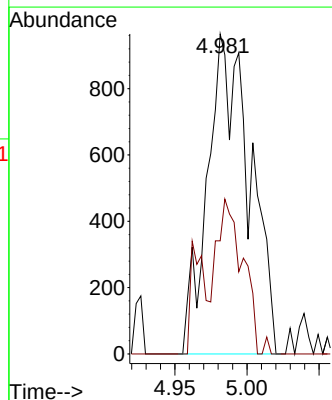
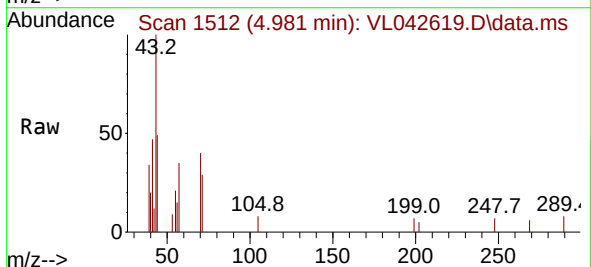
Manual Integrations
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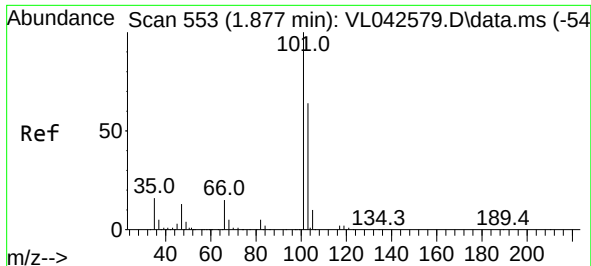
Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#10
 Heptane
 Concen: 0.101 ppbv m
 RT: 4.981 min Scan# 1512
 Delta R.T. -0.000 min
 Lab File: VL042619.D
 Acq: 05 Jun 2025 13:11

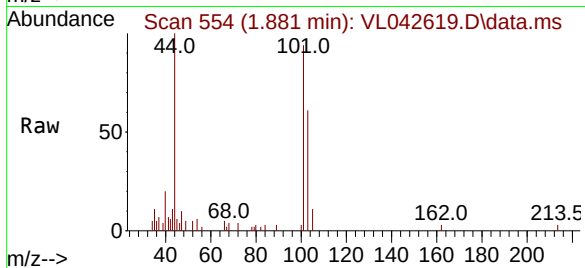
Tgt Ion: 43 Resp: 1972
 Ion Ratio Lower Upper
 43 100
 57 41.6 38.9 58.3





#11
Trichlorofluoromethane
Concen: 0.135 ppbv
RT: 1.881 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

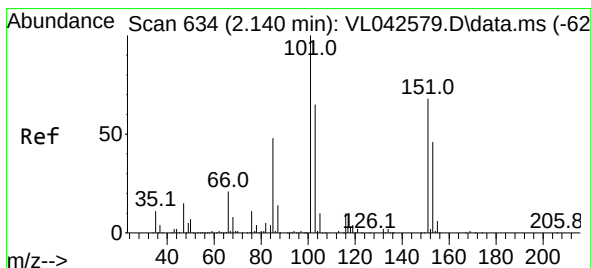
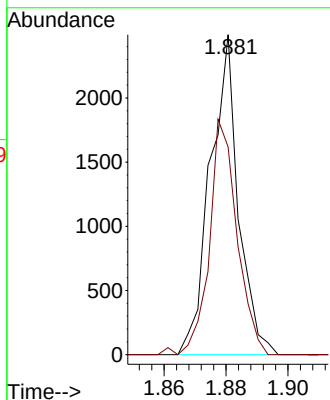
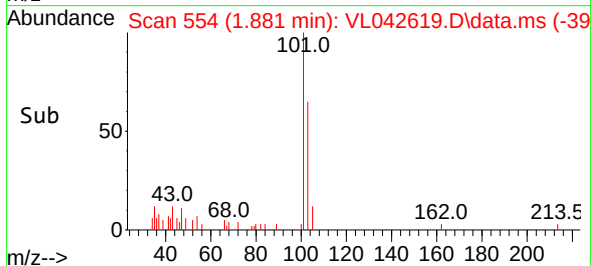
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MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



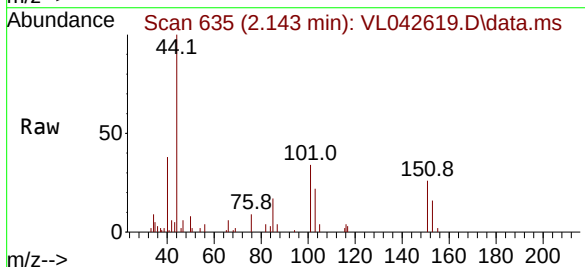
Tgt Ion:101 Resp: 1572
Ion Ratio Lower Upper
101 100
103 64.9 51.5 77.3

Manual Integrations
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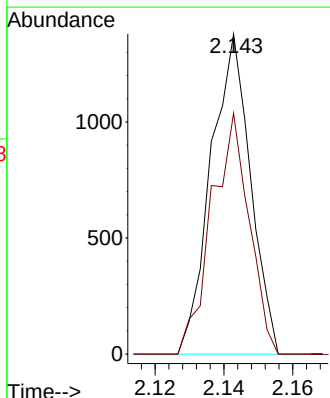
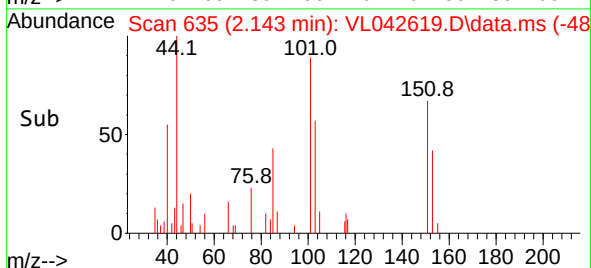
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025

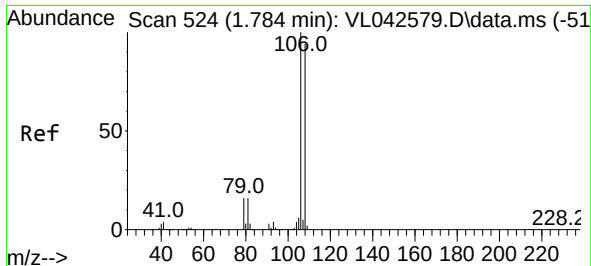


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.120 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.003 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11



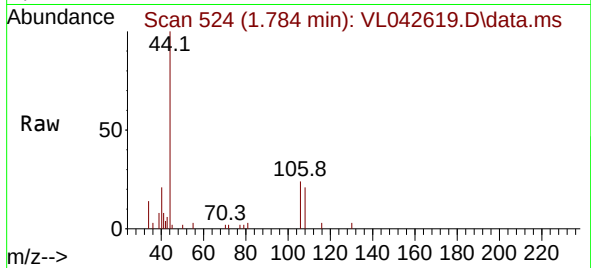
Tgt Ion:101 Resp: 1101
Ion Ratio Lower Upper
101 100
151 71.5 55.3 82.9





#14
Bromoethene
Concen: 0.146 ppbv
RT: 1.784 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

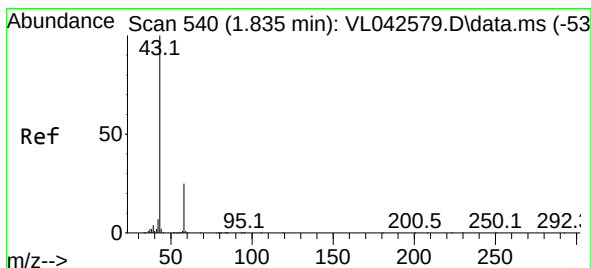
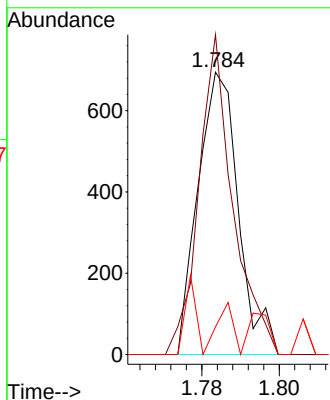
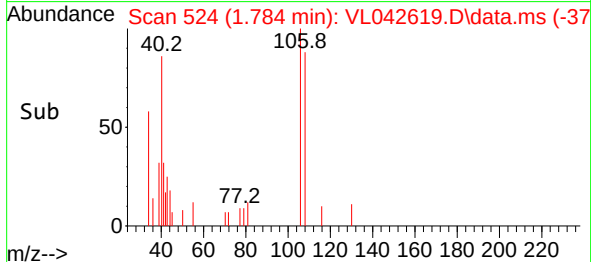
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



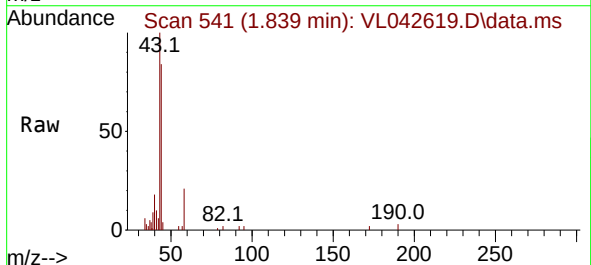
Tgt Ion:108 Resp: 500
Ion Ratio Lower Upper
108 100
106 95.2 87.9 131.9
79 18.5 15.6 23.4

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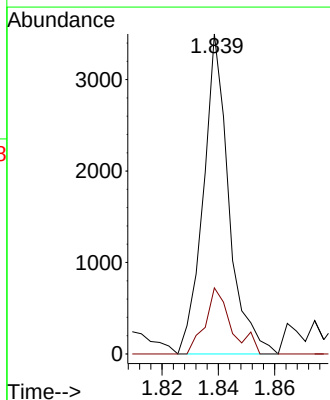
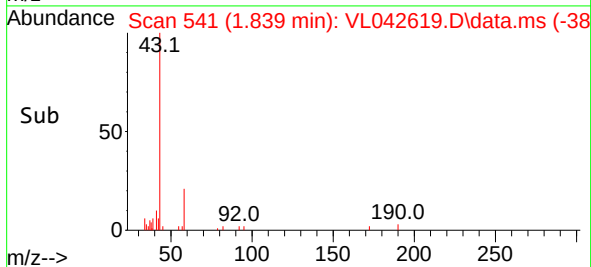
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025

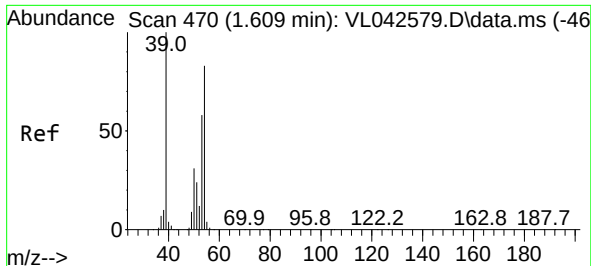


#15
Acetone
Concen: 0.180 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11



Tgt Ion: 43 Resp: 2202
Ion Ratio Lower Upper
43 100
58 20.8 21.0 31.4#





#16

1,3-Butadiene

Concen: 0.168 ppbv

RT: 1.609 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042619.D

Acq: 05 Jun 2025 13:11

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2025

Tgt Ion: 39 Resp: 970

Ion Ratio Lower Upper

39 100

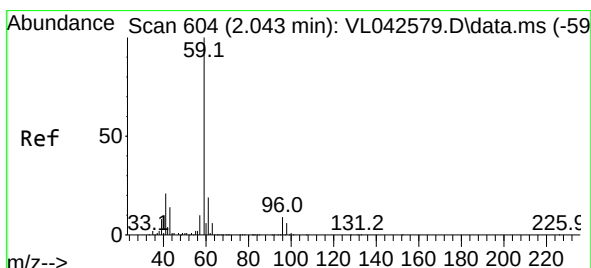
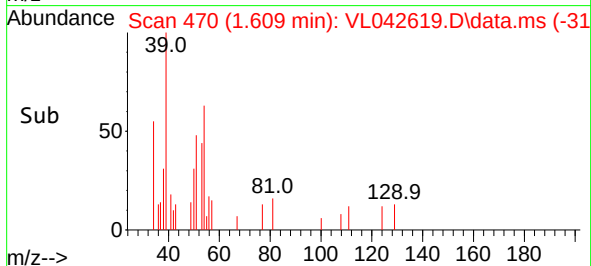
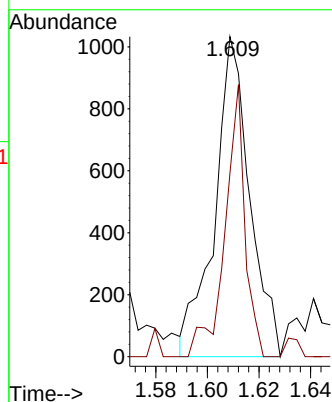
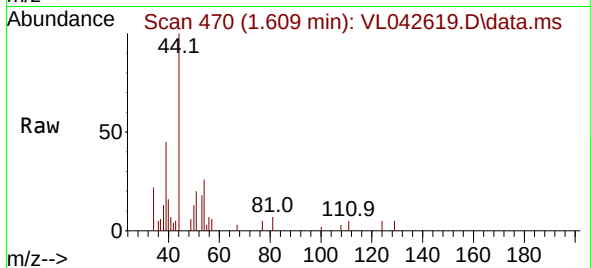
54 52.3 57.9 86.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2025

Supervised By :Mahesh Dadoda 06/06/2025



#17

tert-Butyl alcohol

Concen: 0.124 ppbv

RT: 2.049 min Scan# 606

Delta R.T. 0.006 min

Lab File: VL042619.D

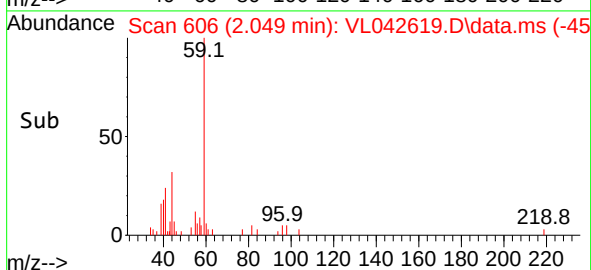
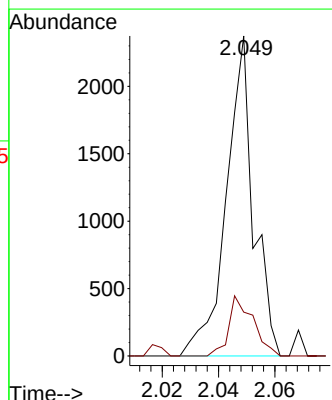
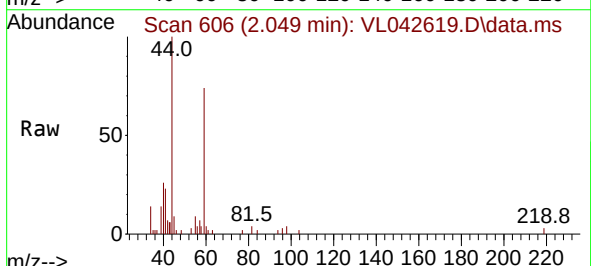
Acq: 05 Jun 2025 13:11

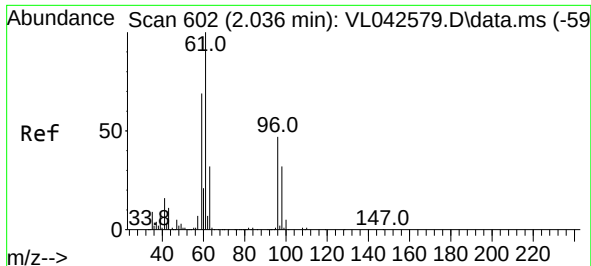
Tgt Ion: 59 Resp: 1589

Ion Ratio Lower Upper

59 100

57 18.6 8.6 12.8





#18

1,1-Dichloroethene

Concen: 0.137 ppbv m

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL042619.D

Acq: 05 Jun 2025 13:11

Instrument :

MSVOA_L

ClientSampleId :

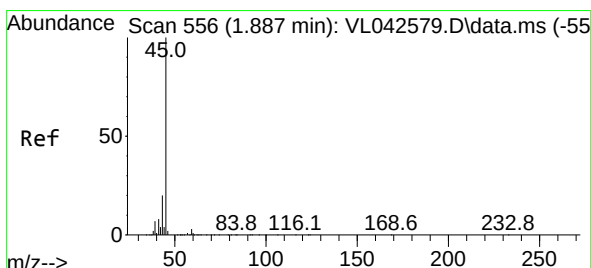
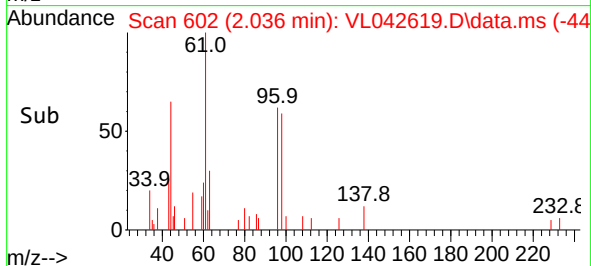
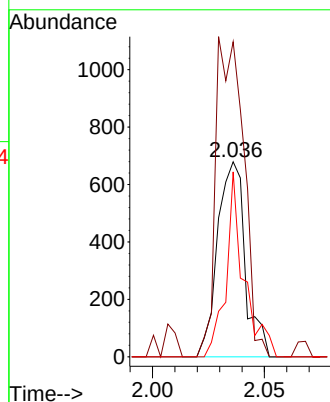
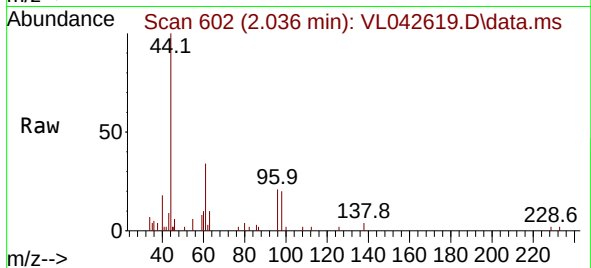
MDL-AIR-03-QT2-2025

Tgt Ion:	96	Resp:	582
Ion	Ratio	Lower	Upper
96	100		
61	161.6	171.1	256.7
98	94.8	54.4	81.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#19

Isopropyl Alcohol

Concen: 0.170 ppbv

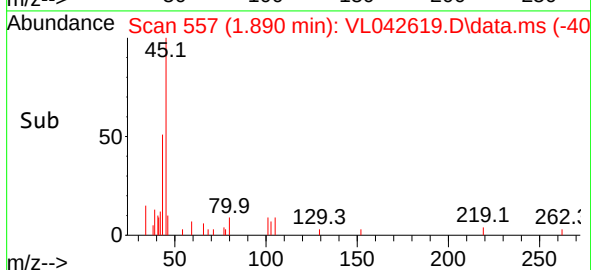
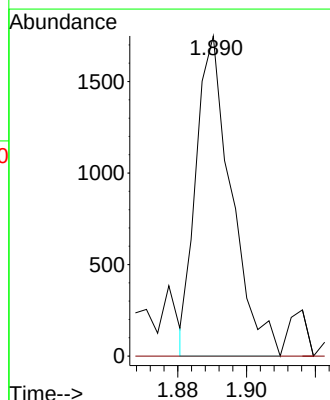
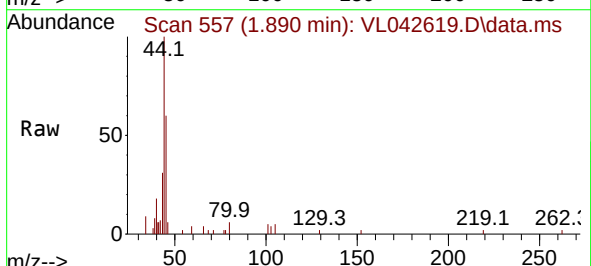
RT: 1.890 min Scan# 557

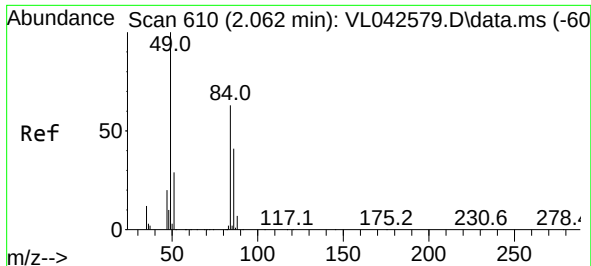
Delta R.T. 0.003 min

Lab File: VL042619.D

Acq: 05 Jun 2025 13:11

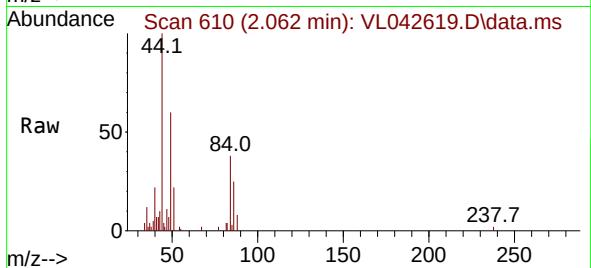
Tgt Ion:	45	Resp:	1246
Ion	Ratio	Lower	Upper
45	100		
58	36.8	29.4	44.2





#20
Methylene Chloride
Concen: 0.271 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

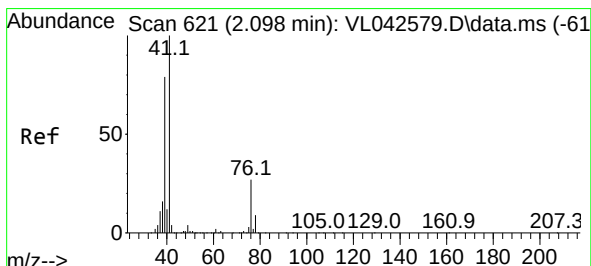
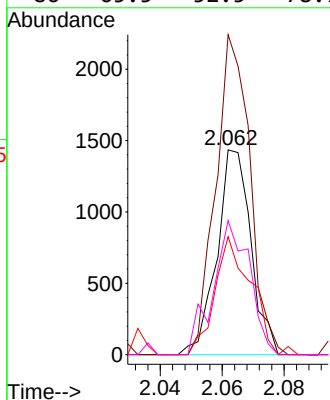
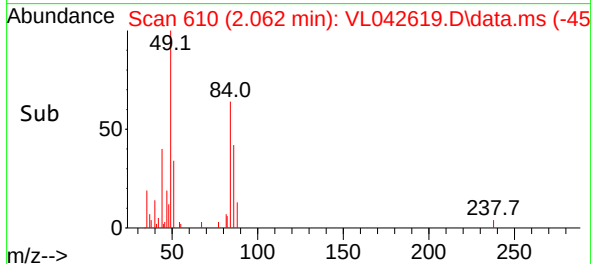
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



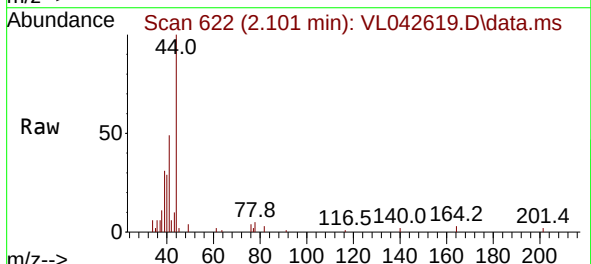
Tgt Ion: 84	Resp: 1090
Ion Ratio	Lower Upper
84	100
49	156.2 128.8 193.2
51	57.7 38.6 57.8
86	65.5 52.5 78.7

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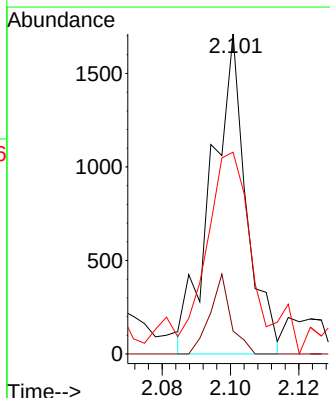
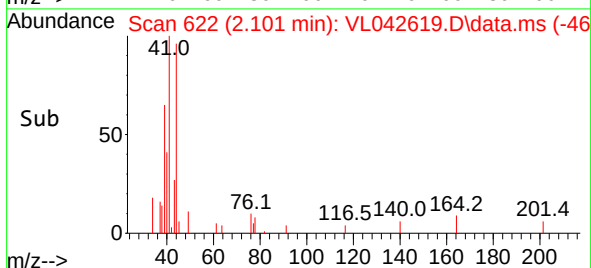
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025

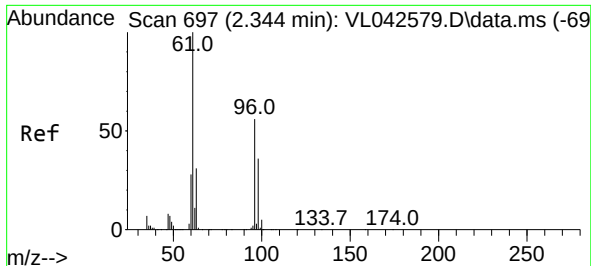


#21
Allyl Chloride
Concen: 0.140 ppbv m
RT: 2.101 min Scan# 622
Delta R.T. 0.003 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11



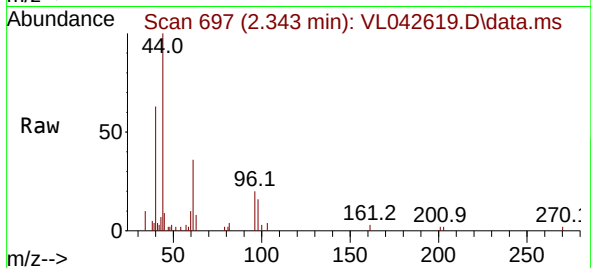
Tgt Ion: 41	Resp: 1210
Ion Ratio	Lower Upper
41	100
76	15.0 21.2 31.8#
39	83.1 60.9 91.3





#22
trans-1,2-Dichloroethene
Concen: 0.112 ppbv
RT: 2.343 min Scan# 697
Delta R.T. -0.000 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

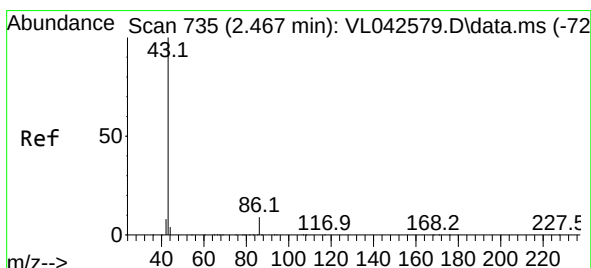
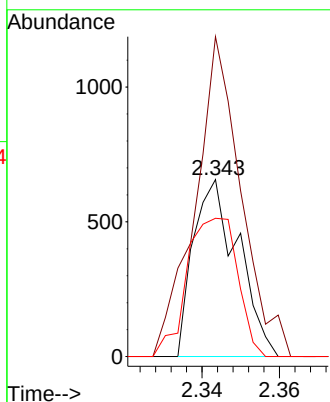
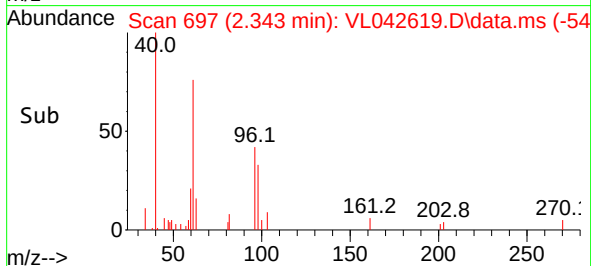
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT2-2025



Tgt Ion: 96 Resp: 528
Ion Ratio Lower Upper
96 100
61 157.2 142.6 214.0
98 78.1 51.0 76.4

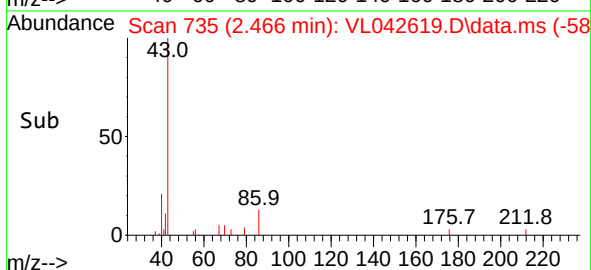
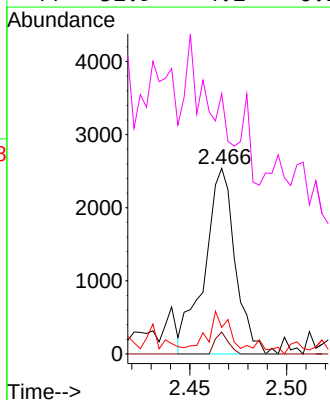
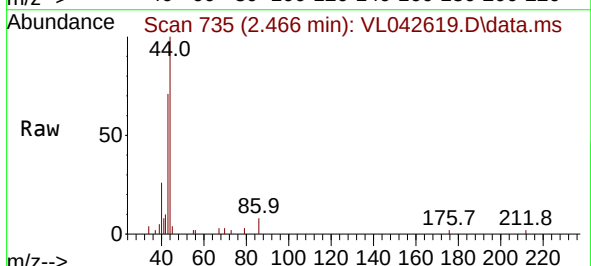
Manual Integrations
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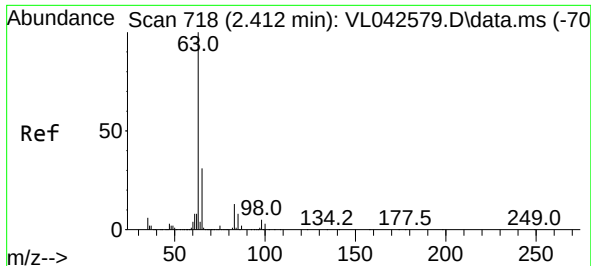
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#23
Vinyl Acetate
Concen: 0.169 ppbv
RT: 2.466 min Scan# 735
Delta R.T. -0.000 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

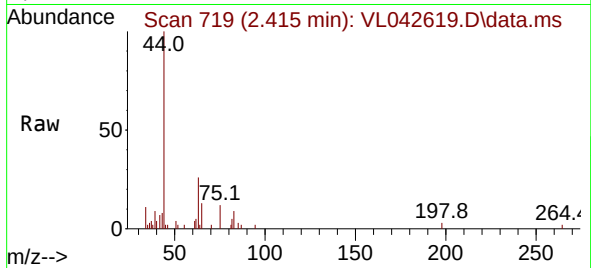
Tgt Ion: 43 Resp: 2801
Ion Ratio Lower Upper
43 100
86 11.9 6.6 9.8#
42 10.6 7.0 10.4#
44 32.9 4.2 6.2#





#24
1,1-Dichloroethane
Concen: 0.112 ppbv m
RT: 2.415 min Scan# 718
Delta R.T. 0.003 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

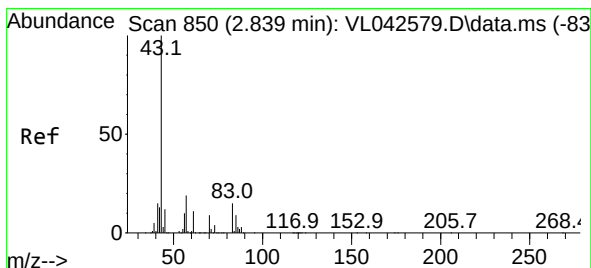
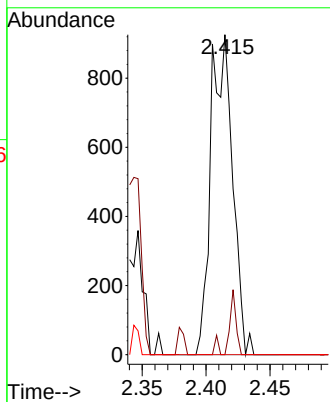
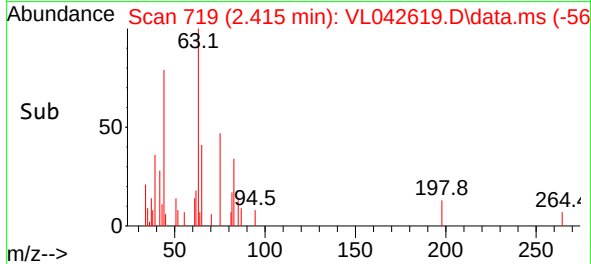
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



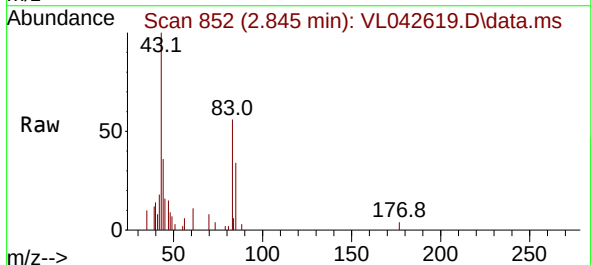
Tgt Ion: 63 Resp: 1094
Ion Ratio Lower Upper
63 100
98 0.0 2.4 7.1#
100 0.0 1.4 4.0#

Manual Integrations
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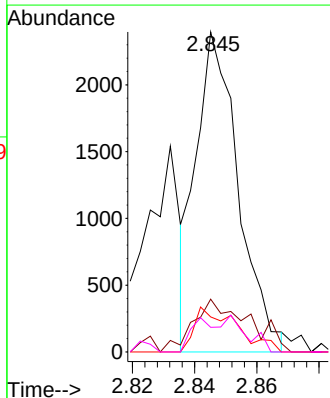
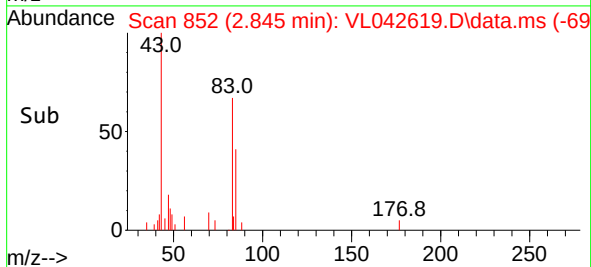
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025

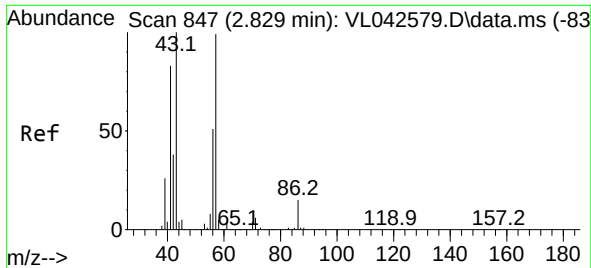


#25
Ethyl Acetate
Concen: 0.068 ppbv m
RT: 2.845 min Scan# 852
Delta R.T. 0.006 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11



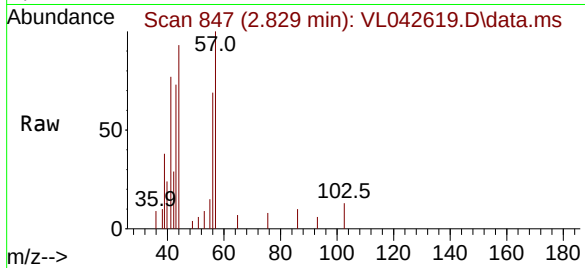
Tgt Ion: 43 Resp: 2266
Ion Ratio Lower Upper
43 100
45 23.2 8.2 12.2#
61 13.9 7.1 10.7#
70 13.7 6.4 9.6#





#26
Hexane
Concen: 0.096 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

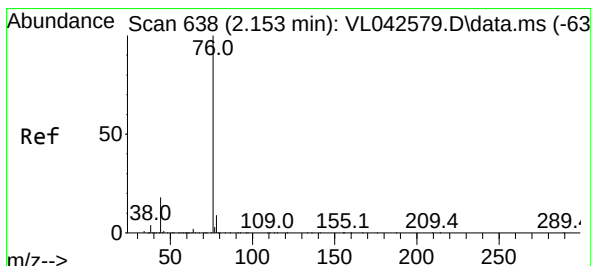
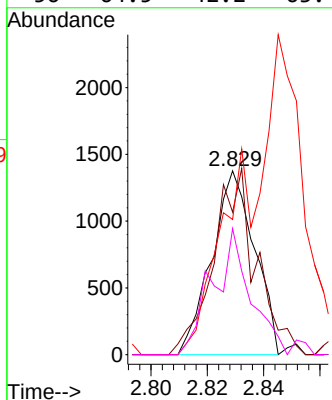
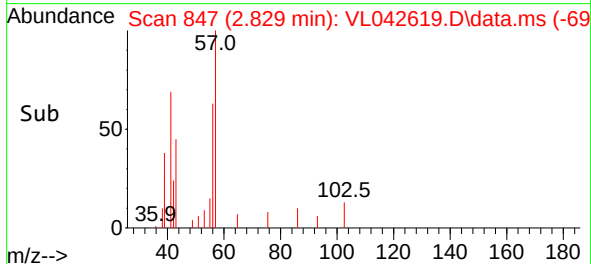
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT2-2025



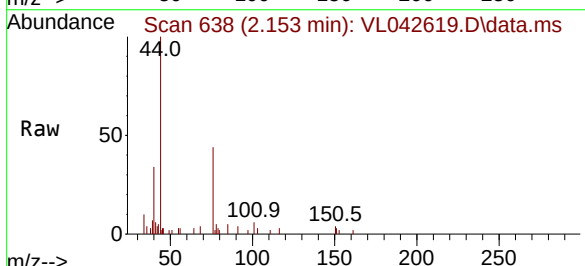
Tgt Ion: 57 Resp: 1458
Ion Ratio Lower Upper
57 100
41 103.8 70.6 106.0
43 0.0 181.1 271.7
56 64.5 42.2 63.4#

Manual Integrations
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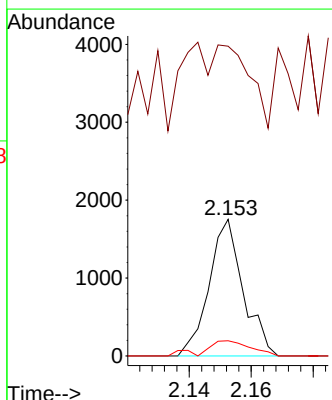
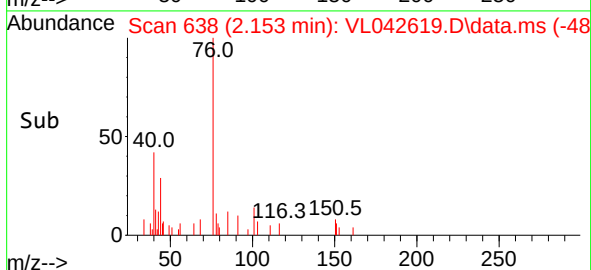
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025

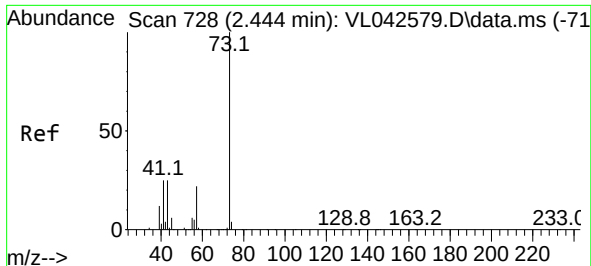


#27
Carbon Disulfide
Concen: 0.115 ppbv
RT: 2.153 min Scan# 638
Delta R.T. -0.000 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11



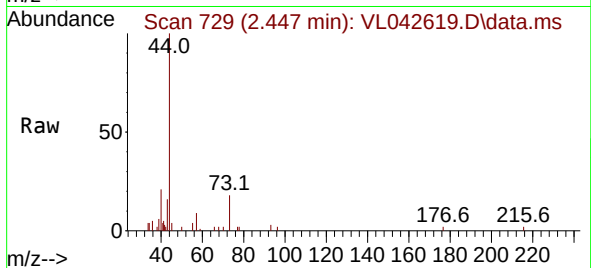
Tgt Ion: 76 Resp: 1341
Ion Ratio Lower Upper
76 100
44 240.3 21.3 31.9#
78 15.1 9.4 14.0#





#28
Methyl tert-Butyl Ether
Concen: 0.112 ppbv m
RT: 2.447 min Scan# 71
Delta R.T. 0.003 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

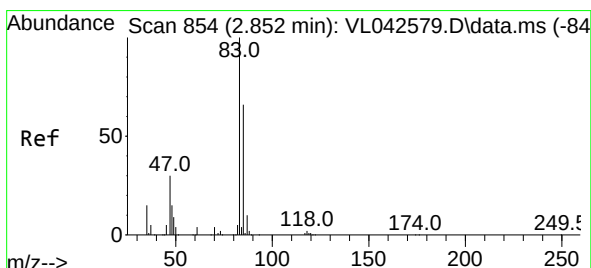
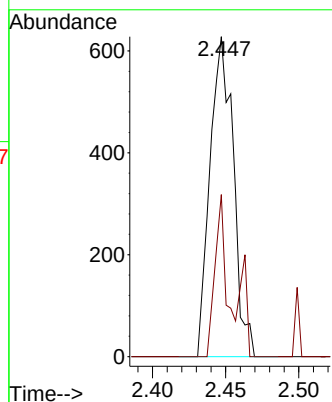
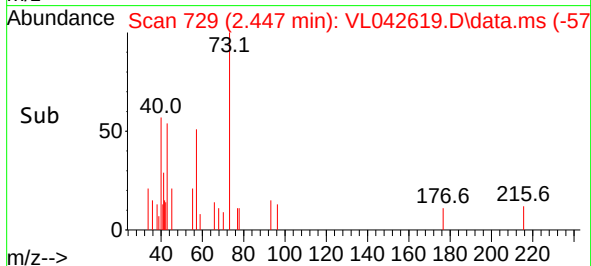
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



Tgt Ion: 73 Resp: 694
Ion Ratio Lower Upper
73 100
57 34.7 19.9 29.9

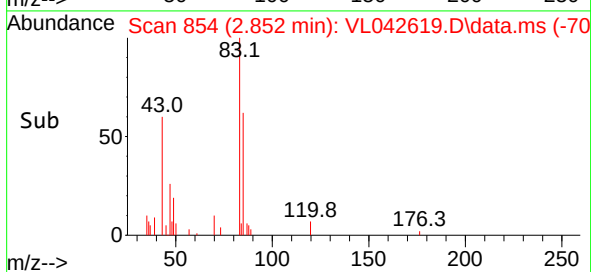
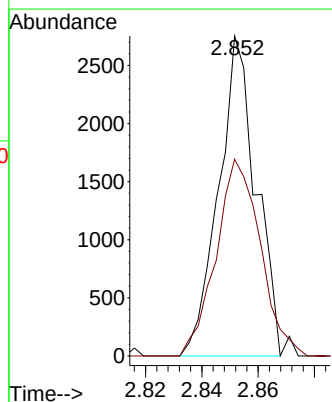
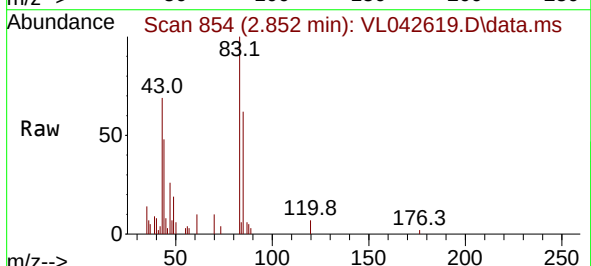
Manual Integrations
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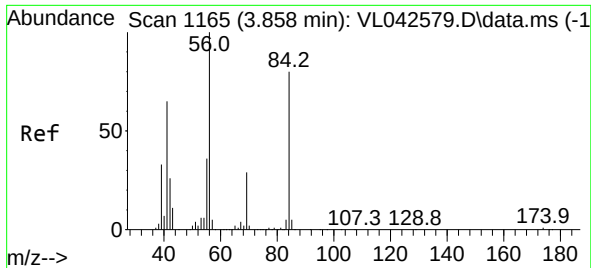
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#29
Chloroform
Concen: 0.128 ppbv
RT: 2.852 min Scan# 854
Delta R.T. -0.000 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

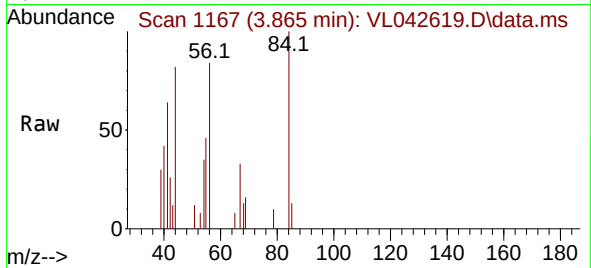
Tgt Ion: 83 Resp: 2536
Ion Ratio Lower Upper
83 100
85 61.5 52.8 79.2





#30
Cyclohexane
Concen: 0.075 ppbv m
RT: 3.865 min Scan# 1167
Delta R.T. 0.006 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

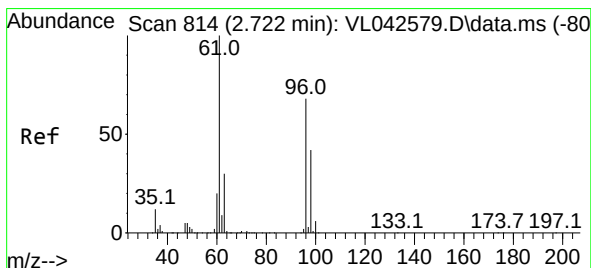
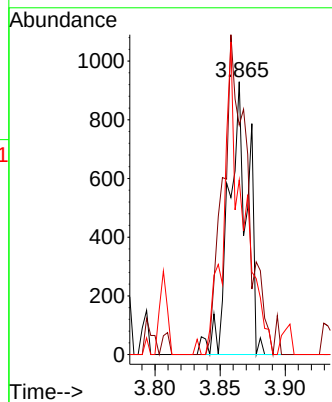
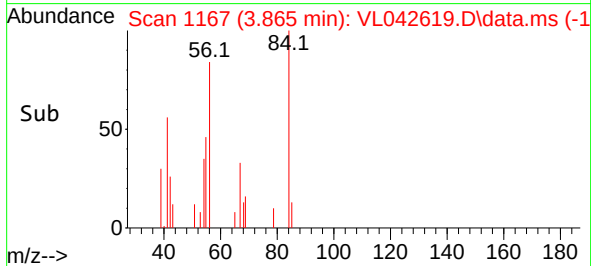
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



Tgt Ion: 84 Resp: 944
Ion Ratio Lower Upper
84 100
56 0.0 103.7 155.5
41 0.0 65.1 97.7

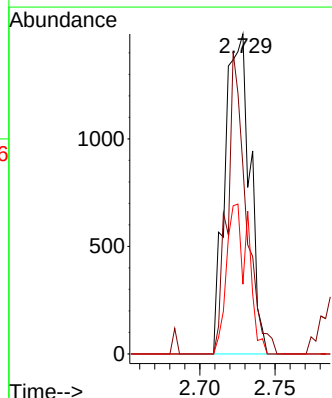
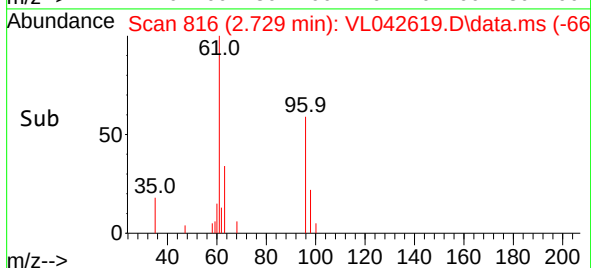
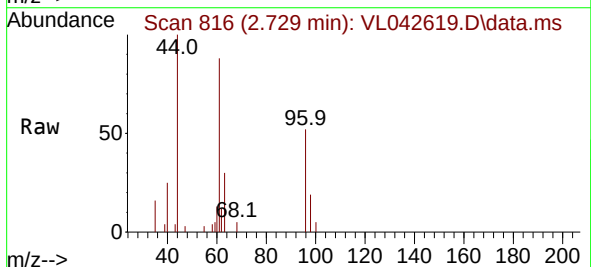
Manual Integrations
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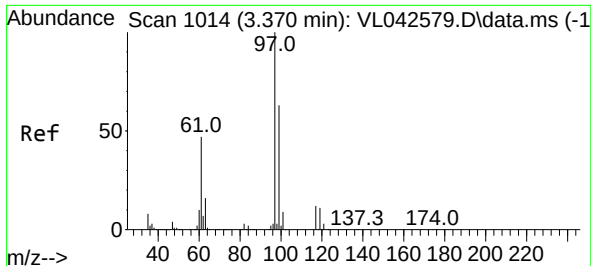
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#31
cis-1,2-Dichloroethene
Concen: 0.122 ppbv m
RT: 2.729 min Scan# 816
Delta R.T. 0.006 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

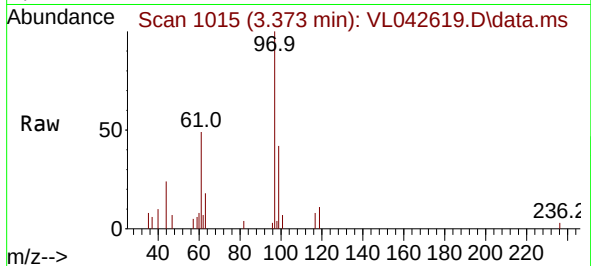
Tgt Ion: 61 Resp: 1701
Ion Ratio Lower Upper
61 100
96 58.6 54.5 81.7
98 21.8 33.4 50.2





#32
1,1,1-Trichloroethane
Concen: 0.110 ppbv
RT: 3.373 min Scan# 1014
Delta R.T. 0.003 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

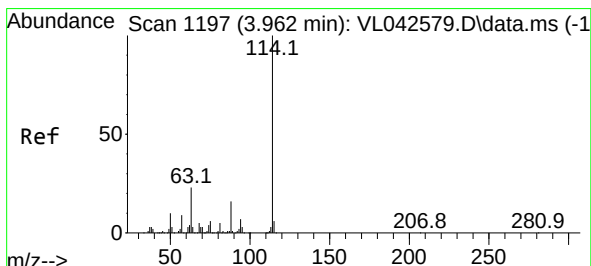
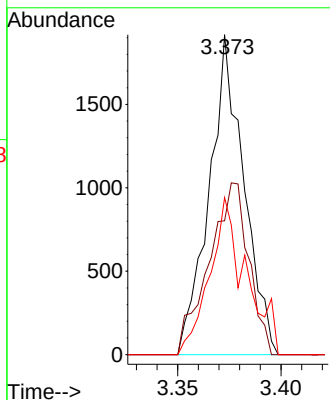
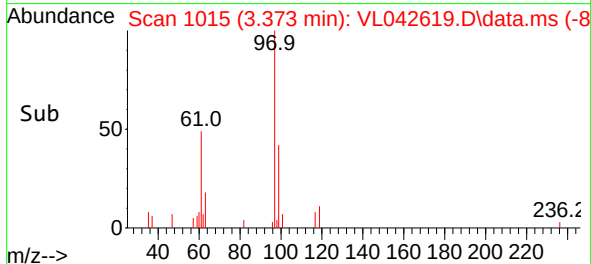
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



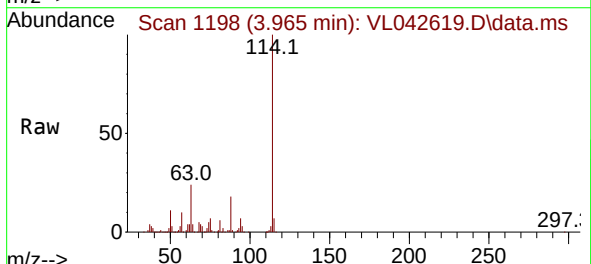
Tgt Ion: 97 Resp: 223
Ion Ratio Lower Upper
97 100
99 61.5 51.0 76.6
61 51.3 39.4 59.0

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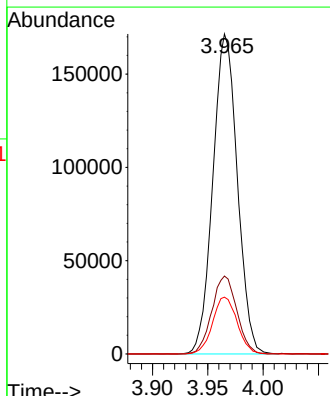
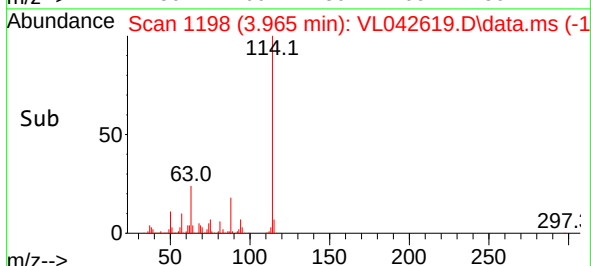
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025

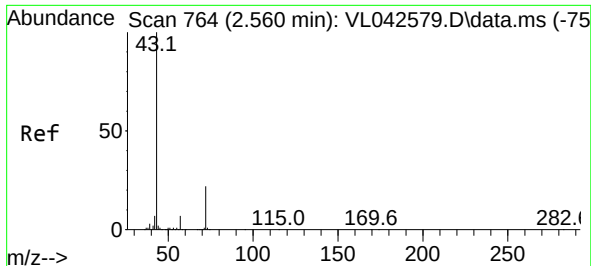


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.003 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11



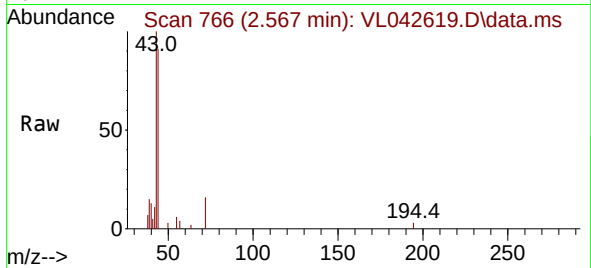
Tgt Ion:114 Resp: 263661
Ion Ratio Lower Upper
114 100
63 25.0 19.0 28.6
88 17.9 13.6 20.4





#34
2-Butanone
Concen: 0.138 ppbv m
RT: 2.567 min Scan# 766
Delta R.T. 0.006 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

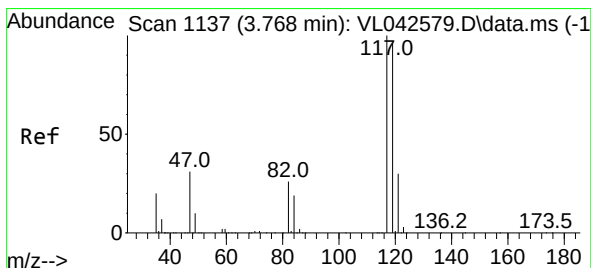
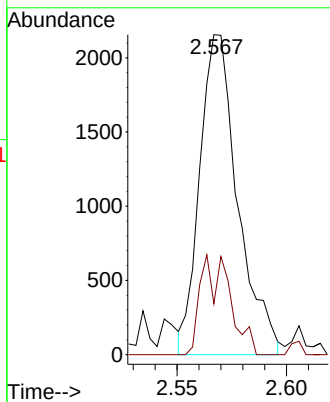
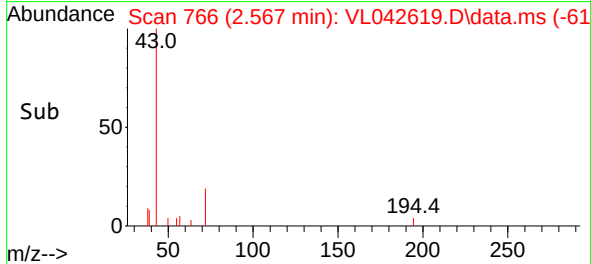
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



Tgt Ion: 43 Resp: 2602
Ion Ratio Lower Upper
43 100
72 23.9 17.7 26.5

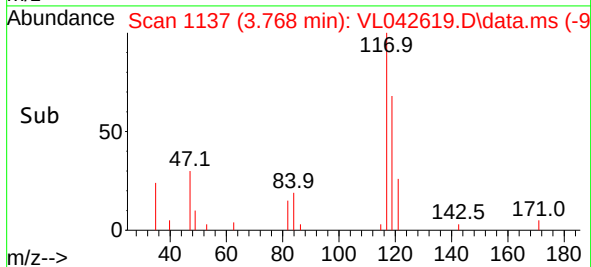
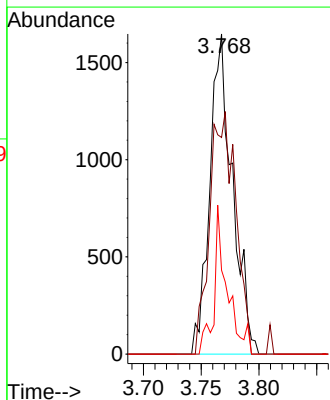
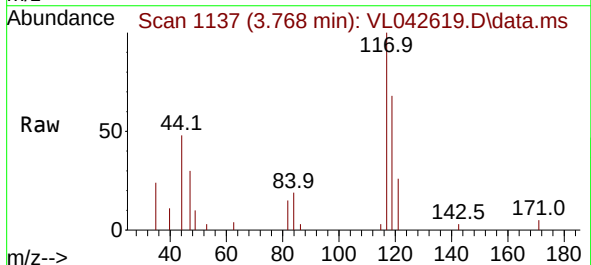
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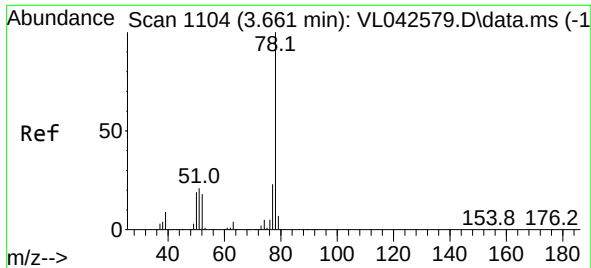
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#35
Carbon Tetrachloride
Concen: 0.129 ppbv m
RT: 3.768 min Scan# 1137
Delta R.T. -0.000 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

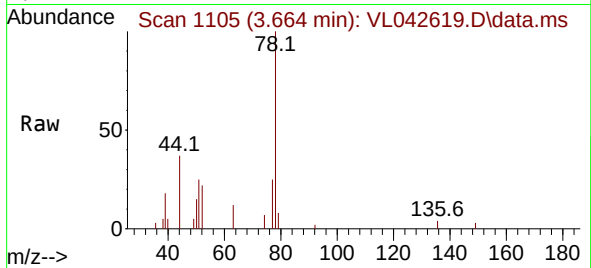
Tgt Ion:117 Resp: 2242
Ion Ratio Lower Upper
117 100
119 67.6 76.8 115.2#
121 26.2 24.3 36.5





#36
Benzene
Concen: 0.120 ppbv m
RT: 3.664 min Scan# 1104
Delta R.T. 0.003 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

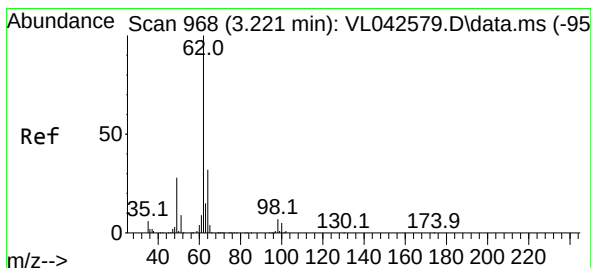
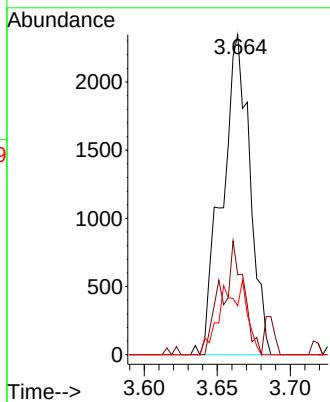
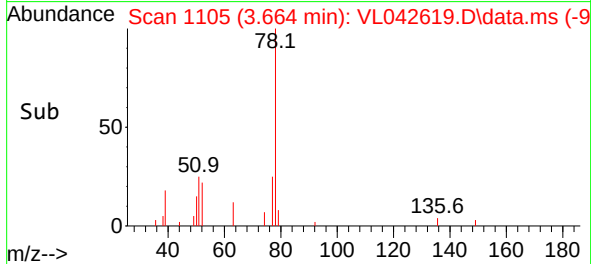
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



Tgt Ion: 78 Resp: 310
Ion Ratio Lower Upper
78 100
77 25.0 18.2 27.2
50 15.3 15.2 22.8

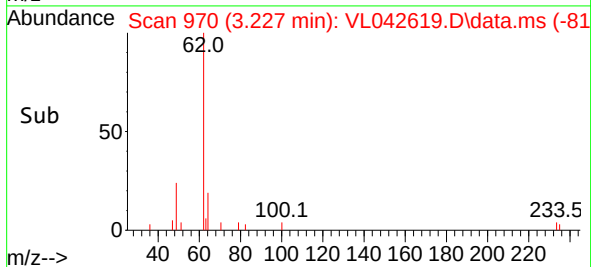
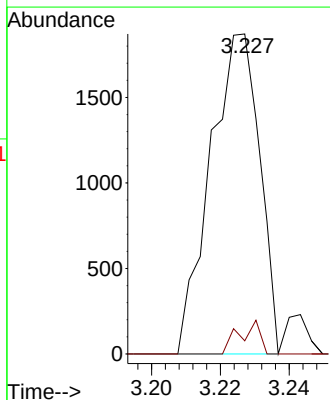
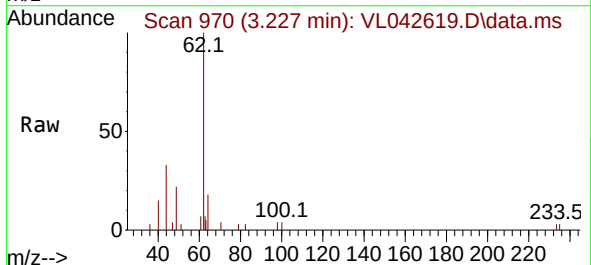
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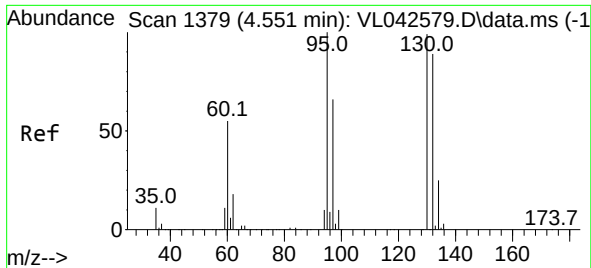
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#37
1,2-Dichloroethane
Concen: 0.144 ppbv
RT: 3.227 min Scan# 970
Delta R.T. 0.006 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

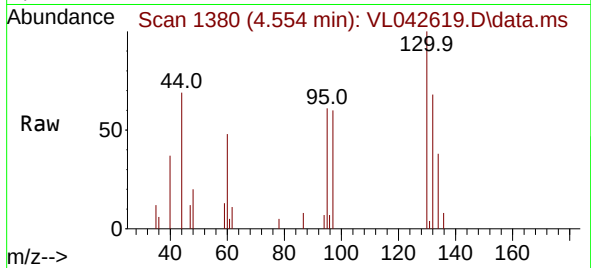
Tgt Ion: 62 Resp: 1859
Ion Ratio Lower Upper
62 100
98 4.4 6.1 9.1#





#38
 Trichloroethene
 Concen: 0.138 ppbv m
 RT: 4.554 min Scan# 1380
 Delta R.T. 0.003 min
 Lab File: VL042619.D
 Acq: 05 Jun 2025 13:11

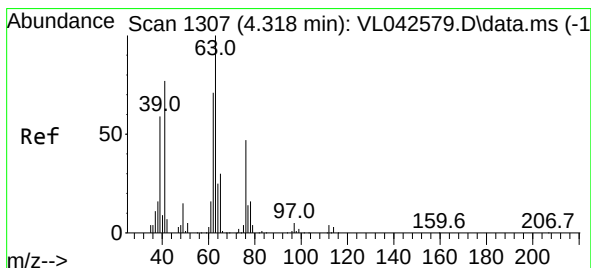
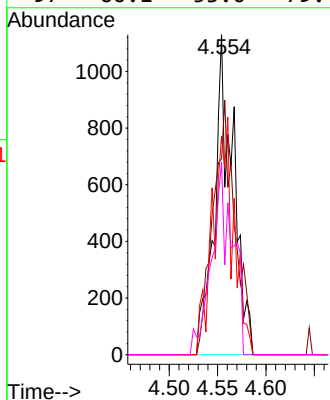
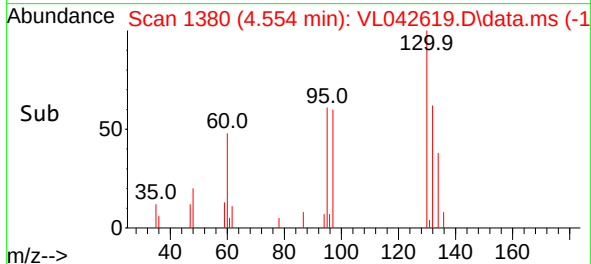
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2025



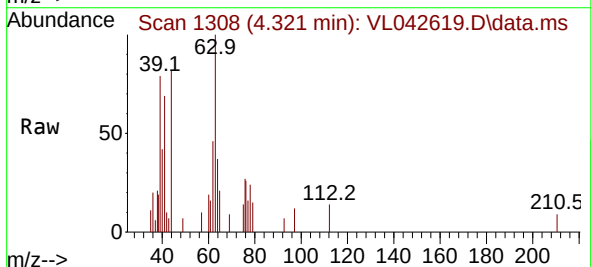
Tgt Ion:130 Resp: 152
 Ion Ratio Lower Upper
 130 100
 95 61.2 80.6 121.0
 132 68.2 71.8 107.6
 97 60.1 53.0 79.4

Manual Integrations
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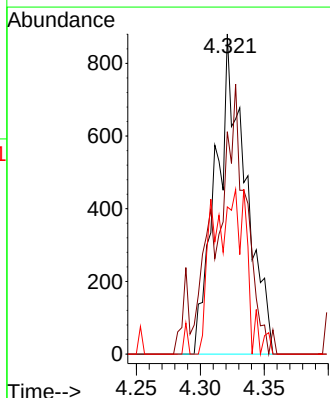
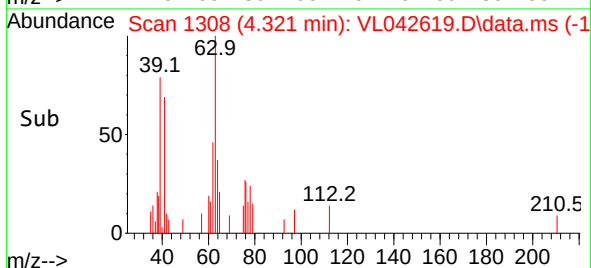
Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025

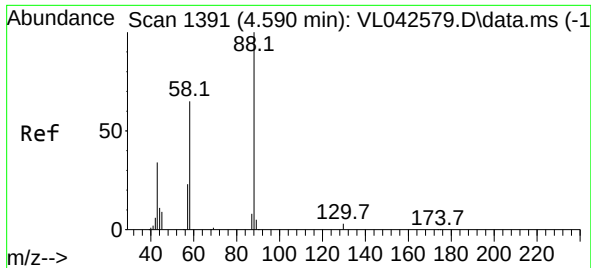


#39
 1,2-Dichloropropane
 Concen: 0.148 ppbv m
 RT: 4.321 min Scan# 1308
 Delta R.T. 0.003 min
 Lab File: VL042619.D
 Acq: 05 Jun 2025 13:11



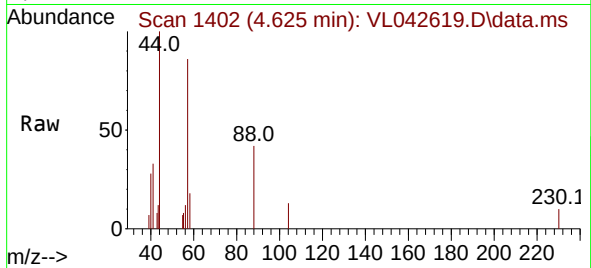
Tgt Ion: 63 Resp: 1420
 Ion Ratio Lower Upper
 63 100
 41 69.5 61.8 92.6
 62 46.0 56.6 85.0





#40
1,4-Dioxane
Concen: 0.111 ppbv m
RT: 4.625 min Scan# 1402
Delta R.T. 0.035 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

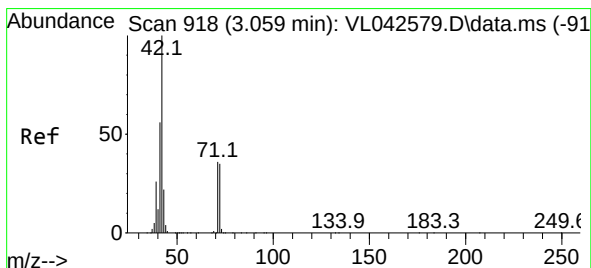
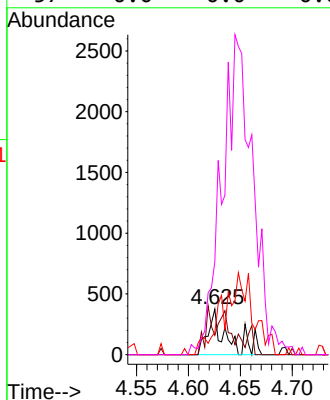
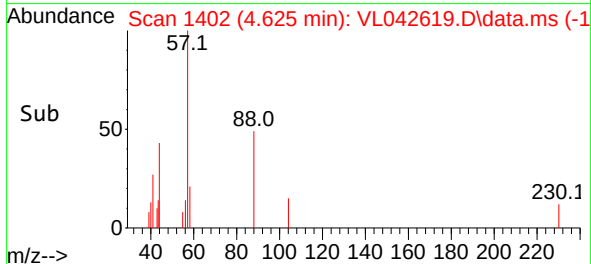
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



Tgt Ion: 88 Resp: 479
Ion Ratio Lower Upper
88 100
58 127.8 55.8 83.8#
43 0.0 24.8 37.2#
57 0.0 0.0 0.0

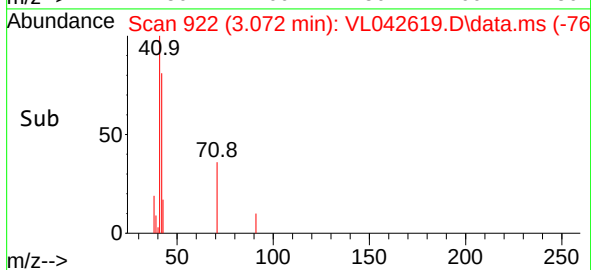
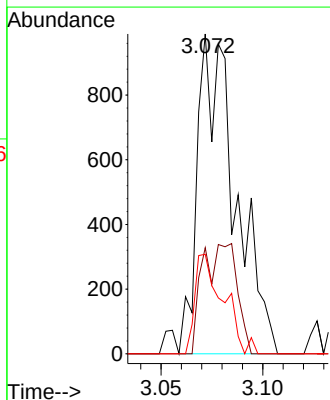
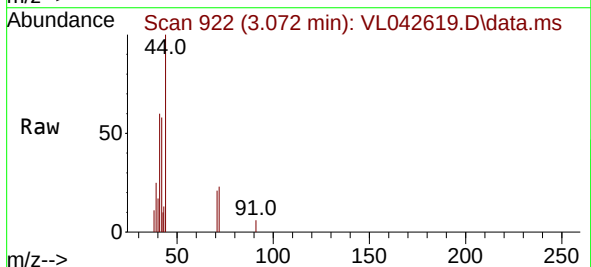
Manual Integrations
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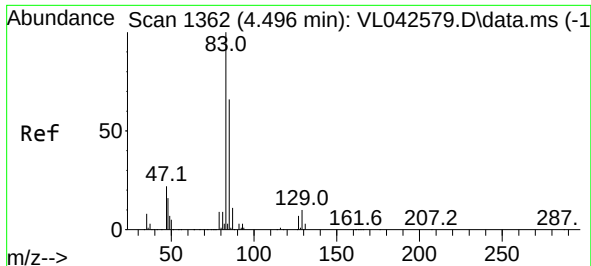
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#41
Tetrahydrofuran
Concen: 0.117 ppbv m
RT: 3.072 min Scan# 922
Delta R.T. 0.013 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

Tgt Ion: 42 Resp: 1285
Ion Ratio Lower Upper
42 100
72 0.0 28.9 43.3#
71 0.0 28.5 42.7#





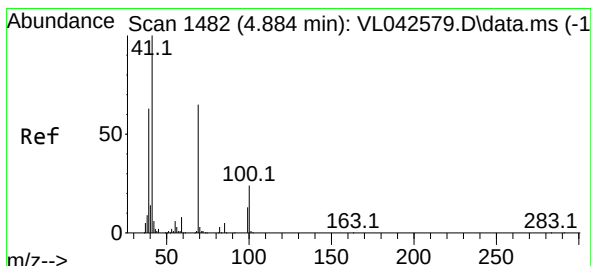
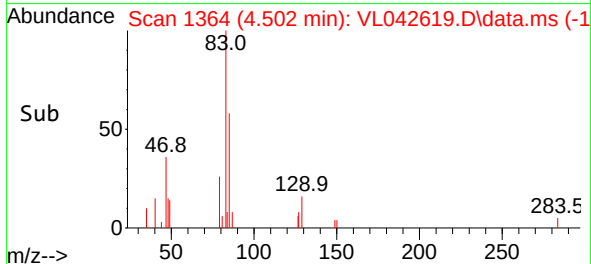
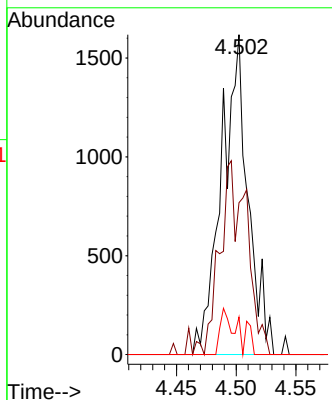
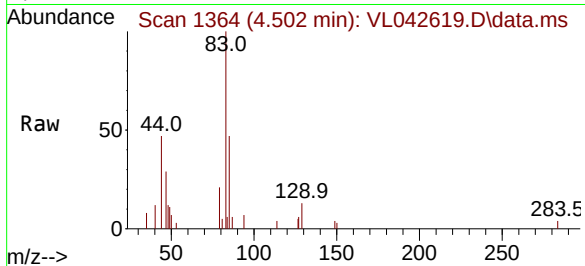
#42
Bromodichloromethane
Concen: 0.137 ppbv m
RT: 4.502 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025

Tgt Ion: 83 Resp: 2510
Ion Ratio Lower Upper
83 100
85 47.5 52.7 79.1
127 6.5 5.8 8.6

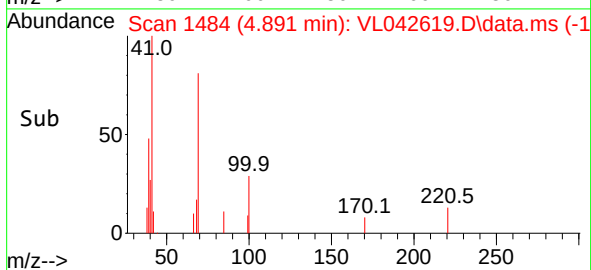
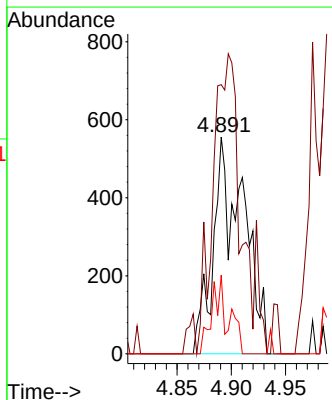
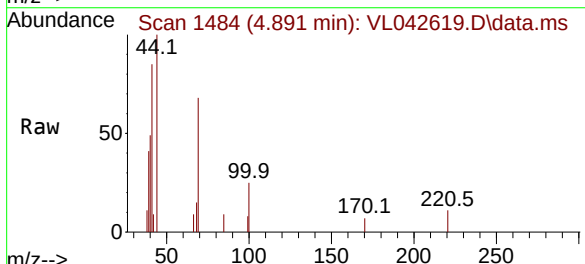
Manual Integrations
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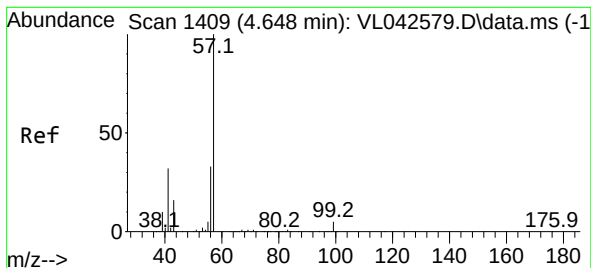
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#43
Methyl Methacrylate
Concen: 0.106 ppbv m
RT: 4.891 min Scan# 1484
Delta R.T. 0.006 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

Tgt Ion: 69 Resp: 1073
Ion Ratio Lower Upper
69 100
41 139.4 124.6 187.0
100 19.5 29.9 44.9





#44

2,2,4-Trimethylpentane

Concen: 0.122 ppbv m

RT: 4.645 min Scan# 1409

Delta R.T. -0.003 min

Lab File: VL042619.D

Acq: 05 Jun 2025 13:11

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2025

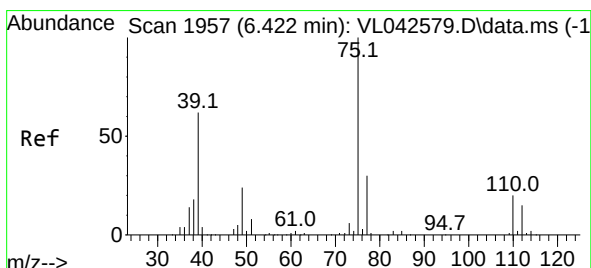
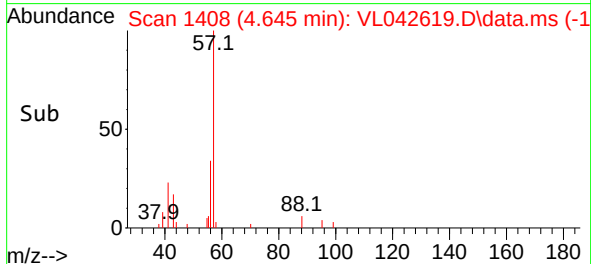
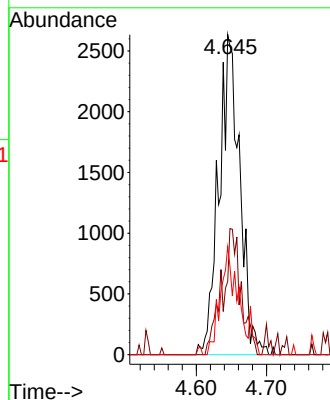
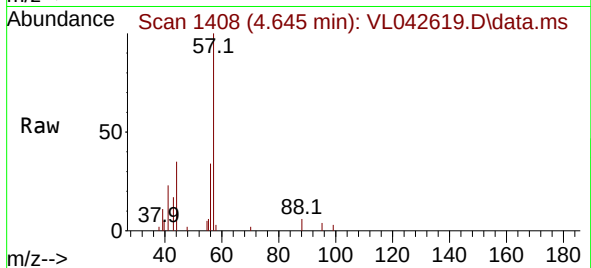
Tgt Ion: 57	Resp: 5429
Ion Ratio	Lower Upper
57 100	
41 35.5	26.1 39.1
56 30.4	25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2025

Supervised By :Mahesh Dadoda 06/06/2025



#45

t-1,3-Dichloropropene

Concen: 0.095 ppbv m

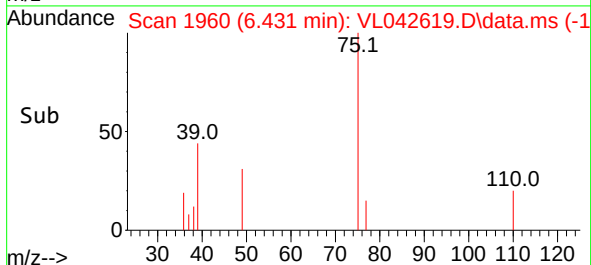
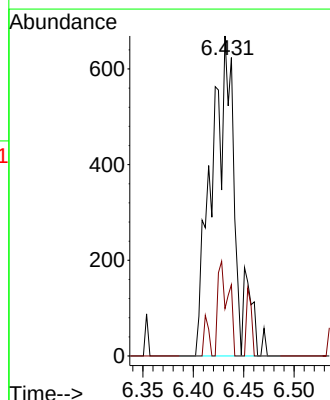
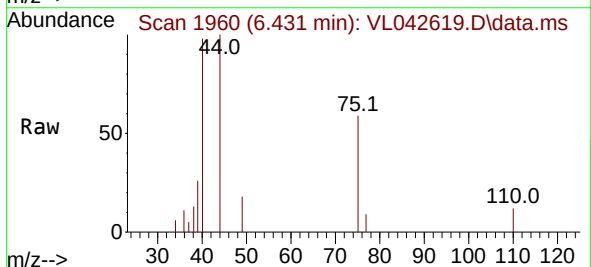
RT: 6.431 min Scan# 1960

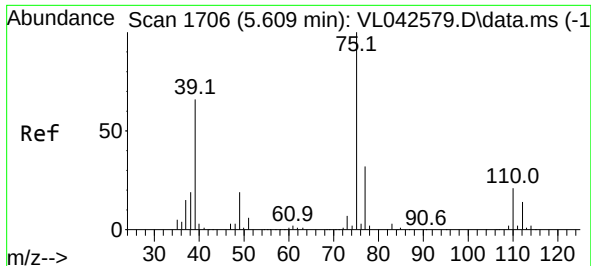
Delta R.T. 0.010 min

Lab File: VL042619.D

Acq: 05 Jun 2025 13:11

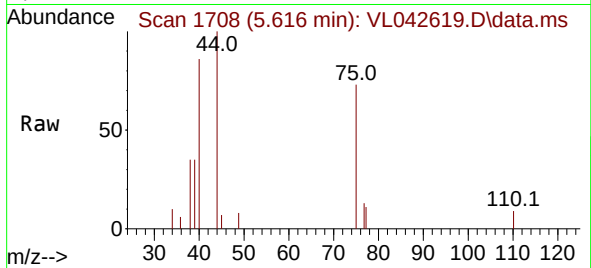
Tgt Ion: 75	Resp: 1100
Ion Ratio	Lower Upper
75 100	
77 14.8	24.2 36.2#





#46
 cis-1,3-Dichloropropene
 Concen: 0.106 ppbv m
 RT: 5.616 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VL042619.D
 Acq: 05 Jun 2025 13:11

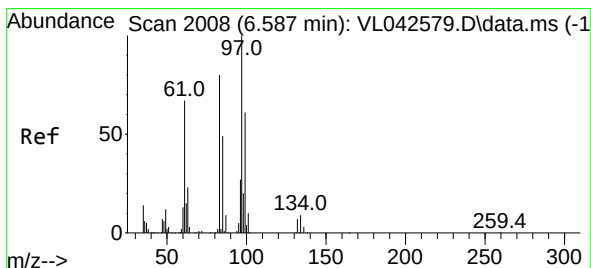
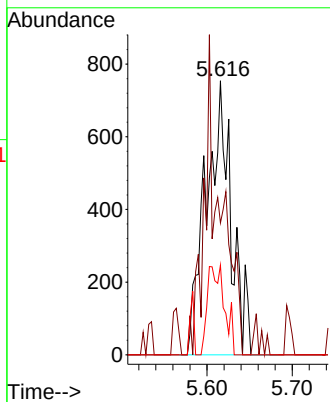
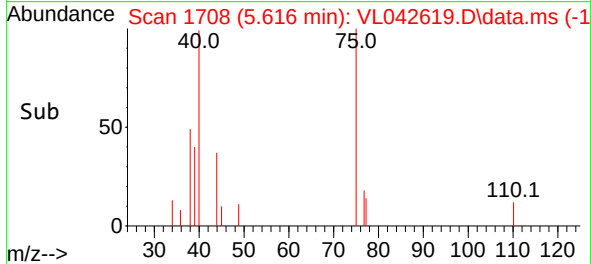
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2025



Tgt Ion: 75 Resp: 153
 Ion Ratio Lower Upper
 75 100
 39 48.1 52.7 79.1
 77 18.3 25.8 38.8

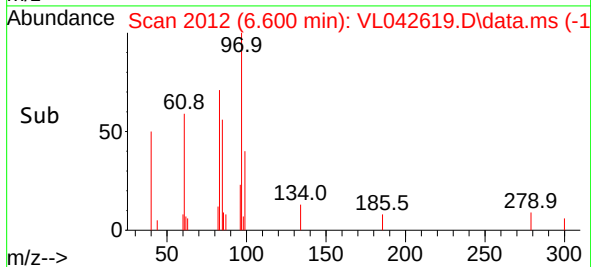
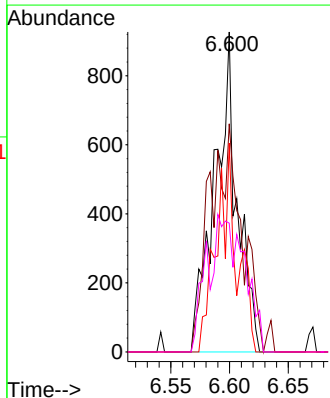
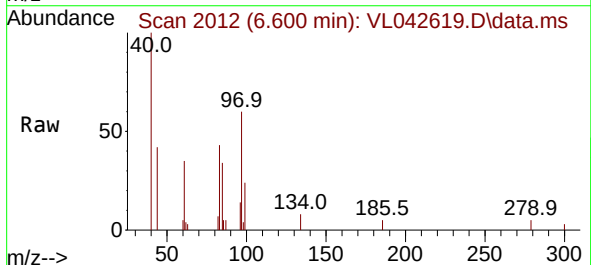
Manual Integrations
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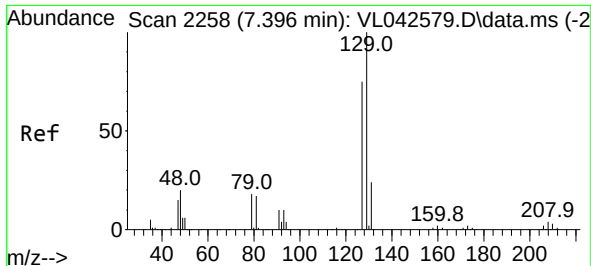
Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#47
 1,1,2-Trichloroethane
 Concen: 0.126 ppbv m
 RT: 6.600 min Scan# 2012
 Delta R.T. 0.013 min
 Lab File: VL042619.D
 Acq: 05 Jun 2025 13:11

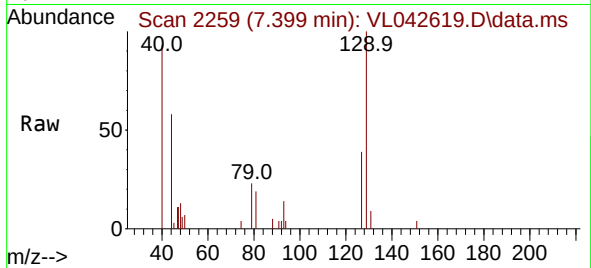
Tgt Ion: 97 Resp: 1248
 Ion Ratio Lower Upper
 97 100
 83 71.3 63.9 95.9
 85 56.1 39.2 58.8
 99 40.2 49.0 73.4





#48
Dibromochloromethane
Concen: 0.124 ppbv m
RT: 7.399 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

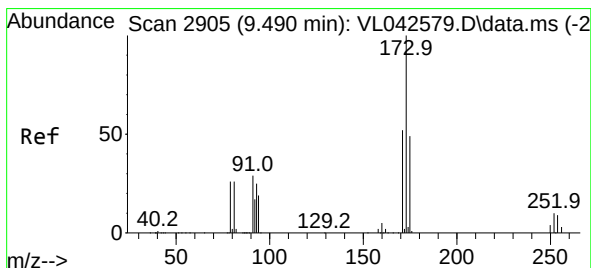
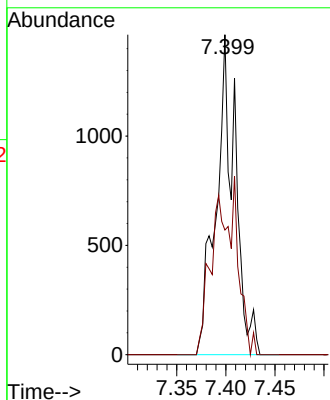
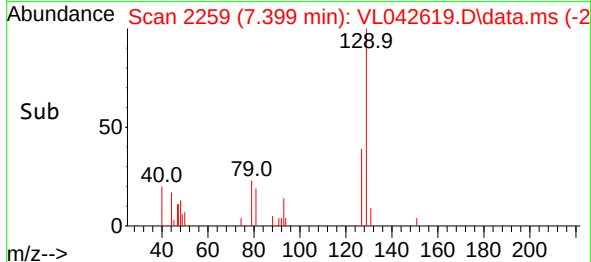
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



Tgt Ion:129 Resp: 197
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9

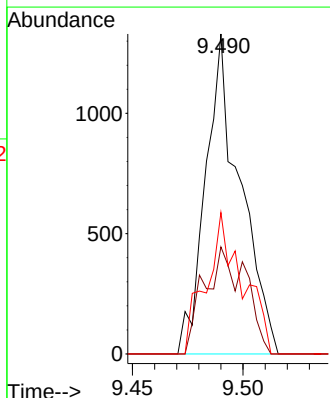
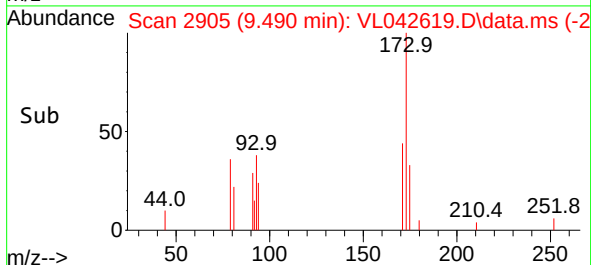
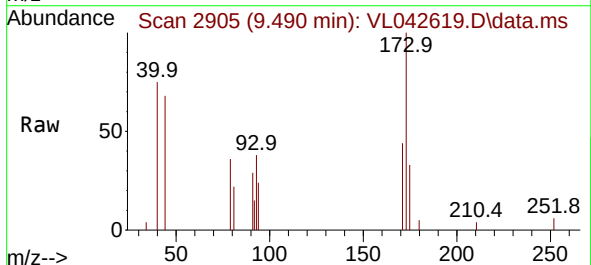
Manual Integrations
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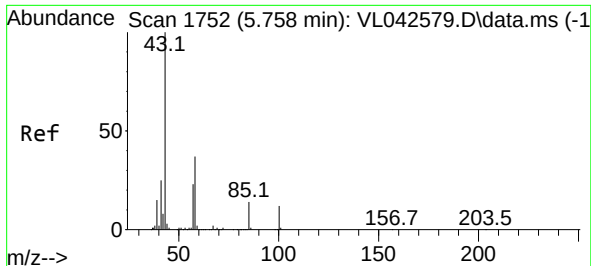
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#49
Bromoform
Concen: 0.106 ppbv
RT: 9.490 min Scan# 2905
Delta R.T. -0.000 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

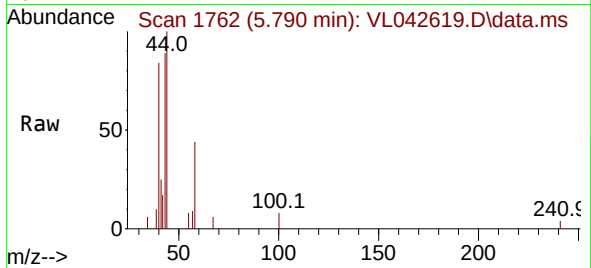
Tgt Ion:173 Resp: 1449
Ion Ratio Lower Upper
173 100
175 39.8 38.7 58.1
171 46.3 41.2 61.8





#50
4-Methyl-2-Pentanone
Concen: 0.097 ppbv m
RT: 5.790 min Scan# 11
Delta R.T. 0.032 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

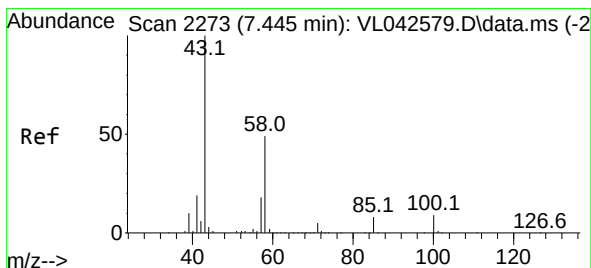
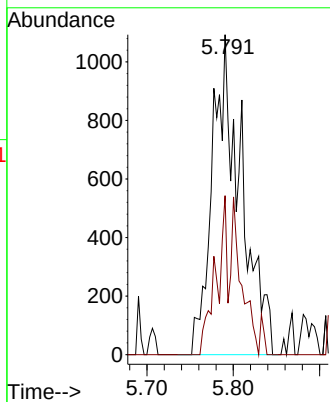
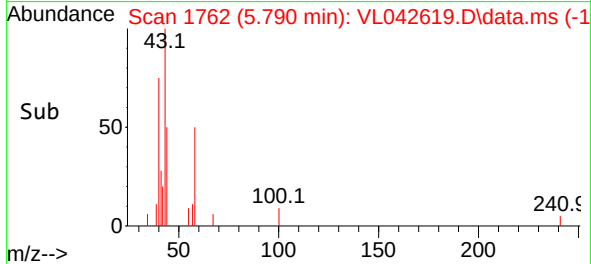
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



Tgt Ion: 43 Resp: 253
Ion Ratio Lower Upper
43 100
58 0.0 28.3 42.5

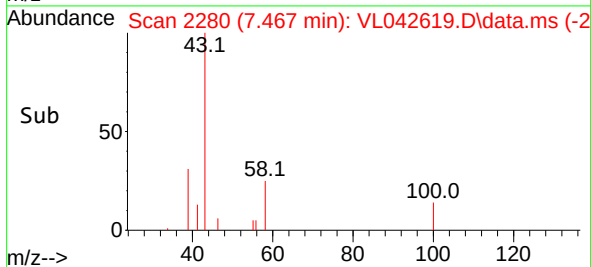
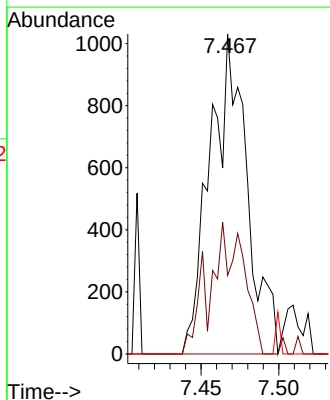
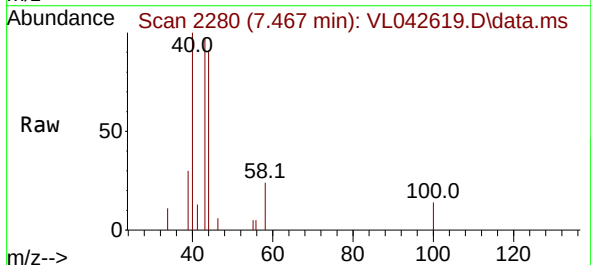
Manual Integrations
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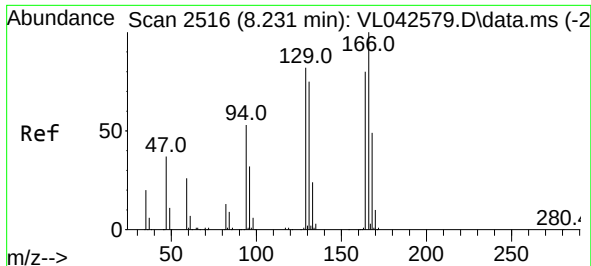
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#51
2-Hexanone
Concen: 0.083 ppbv m
RT: 7.467 min Scan# 2280
Delta R.T. 0.023 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

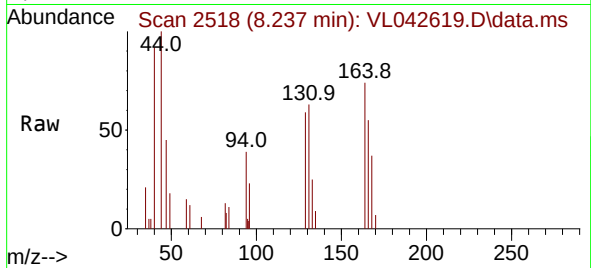
Tgt Ion: 43 Resp: 1709
Ion Ratio Lower Upper
43 100
58 0.0 39.9 59.9#
98 0.0 0.1 0.1#





#52
Tetrachloroethene
Concen: 0.115 ppbv m
RT: 8.237 min Scan# 2119
Delta R.T. 0.006 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

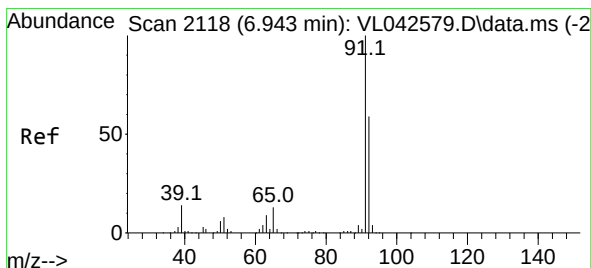
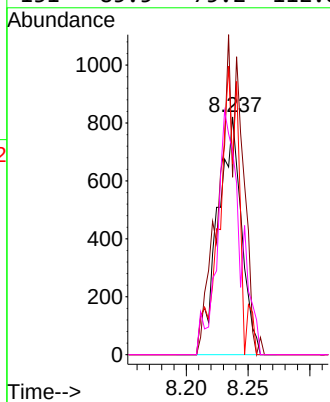
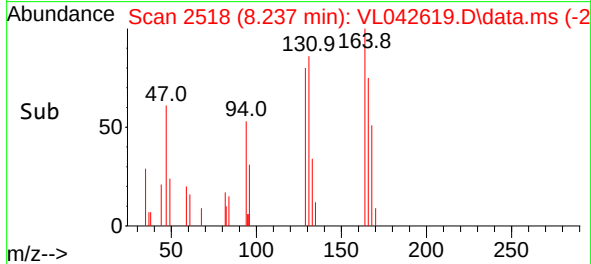
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



Tgt Ion:164 Resp: 111
Ion Ratio Lower Upper
164 100
166 74.7 100.0 150.0
129 80.1 82.2 123.4
131 85.5 75.2 112.8

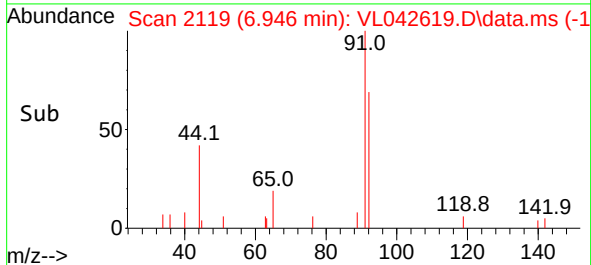
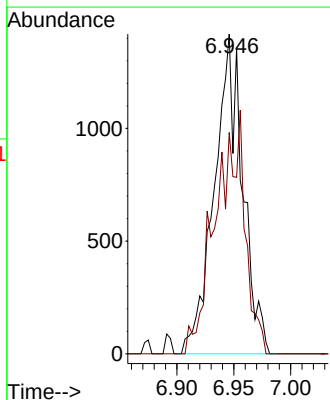
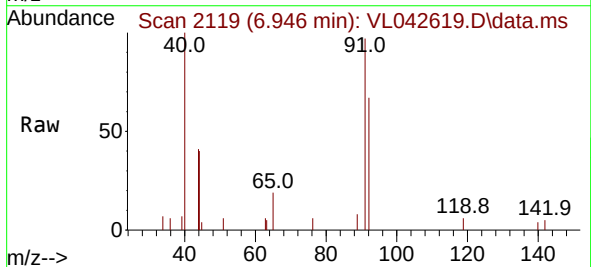
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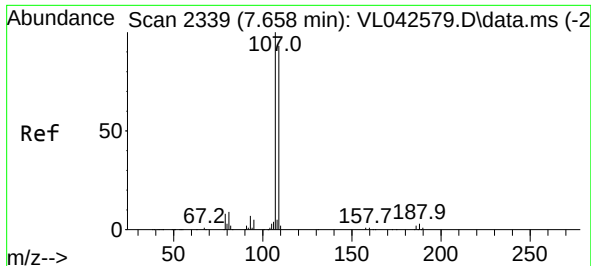
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#53
Toluene
Concen: 0.082 ppbv m
RT: 6.946 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

Tgt Ion: 91 Resp: 2460
Ion Ratio Lower Upper
91 100
92 78.0 48.2 72.4#





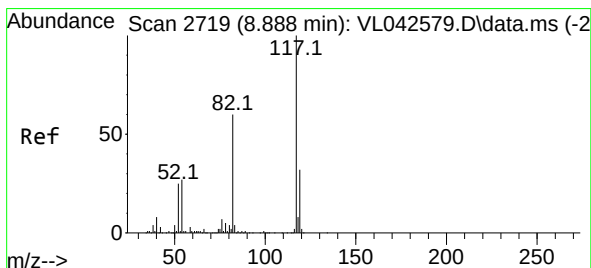
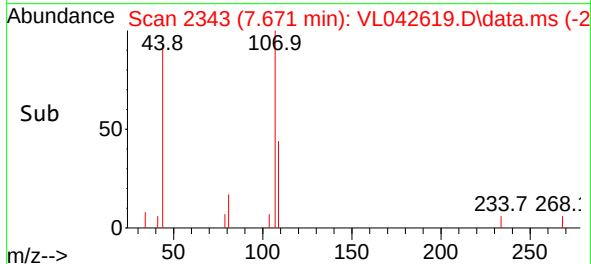
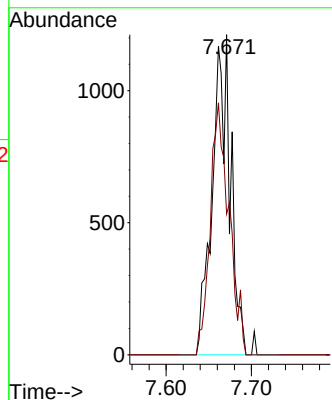
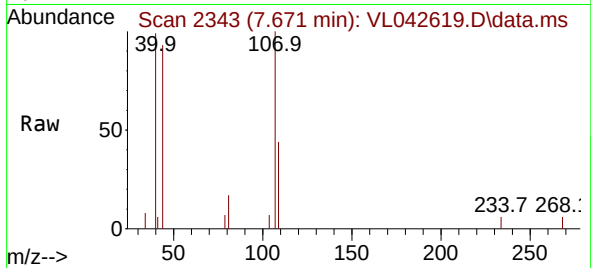
#54
1,2-Dibromoethane
Concen: 0.122 ppbv m
RT: 7.671 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025

Tgt Ion:107 Resp: 179
Ion Ratio Lower Upper
107 100
109 44.0 74.3 111.5

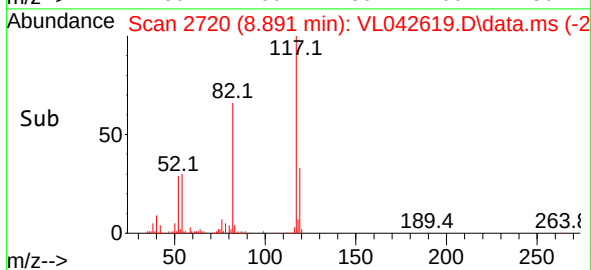
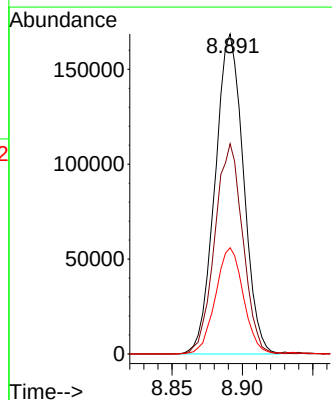
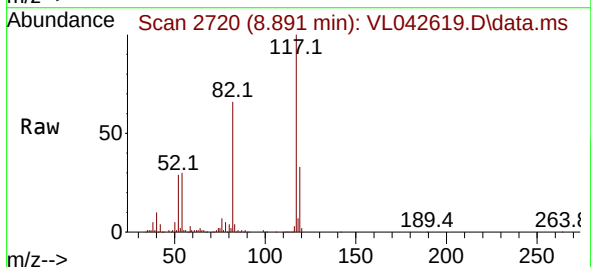
Manual Integrations
APPROVED

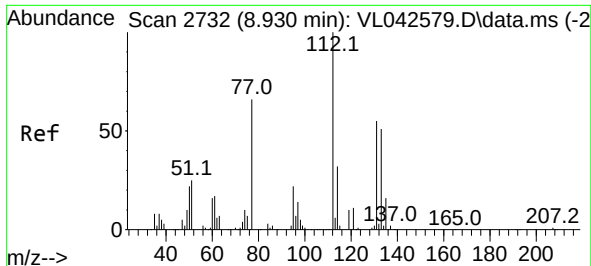
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2720
Delta R.T. 0.003 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

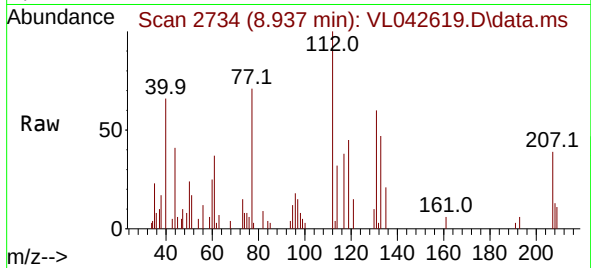
Tgt Ion:117 Resp: 236658
Ion Ratio Lower Upper
117 100
82 65.0 51.2 76.8
119 33.0 26.3 39.5





#56
1,1,1,2-Tetrachloroethane
Concen: 0.109 ppbv
RT: 8.937 min Scan# 2732
Delta R.T. 0.006 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

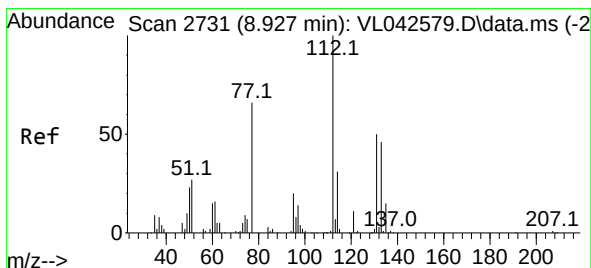
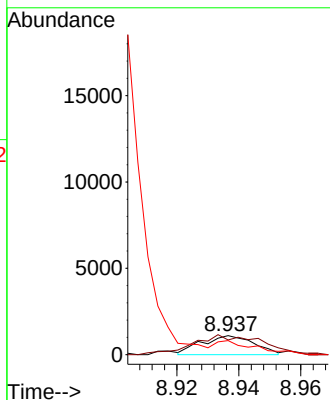
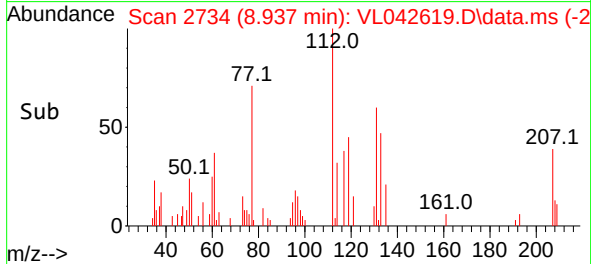
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



Tgt Ion:131 Resp: 129
Ion Ratio Lower Upper
131 100
133 139.8 75.0 112.6
119 0.0 50.8 76.2

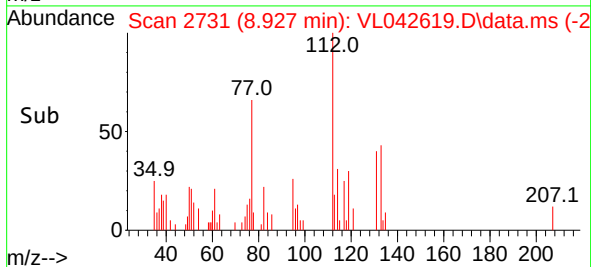
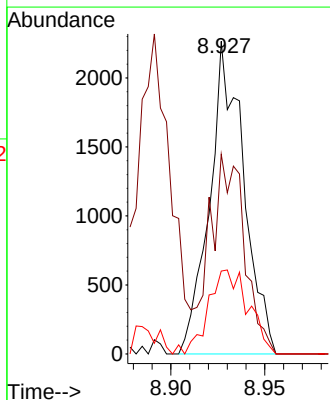
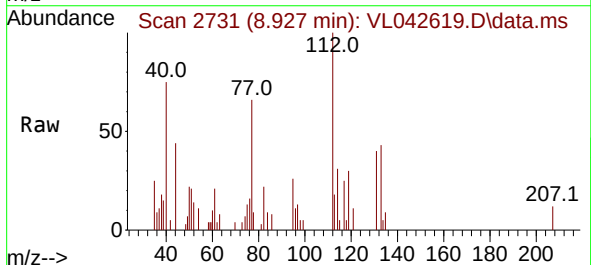
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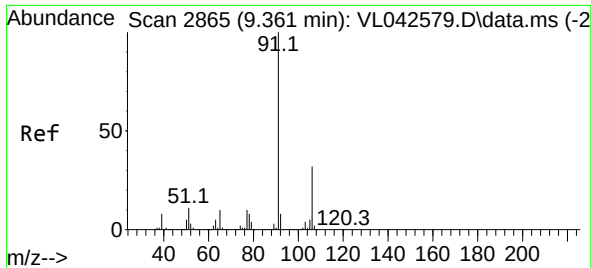
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#57
Chlorobenzene
Concen: 0.124 ppbv m
RT: 8.927 min Scan# 2731
Delta R.T. -0.000 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

Tgt Ion:112 Resp: 2856
Ion Ratio Lower Upper
112 100
77 66.1 53.5 80.3
114 31.2 27.8 34.0





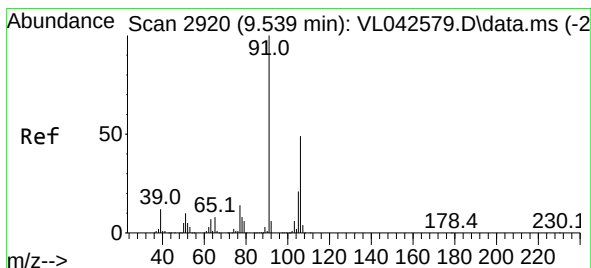
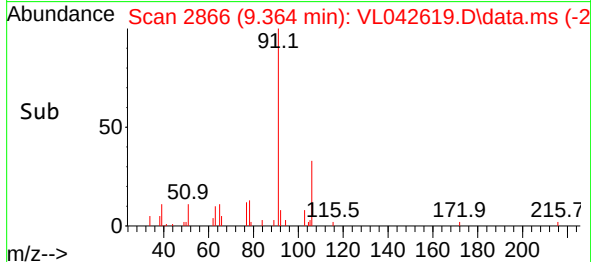
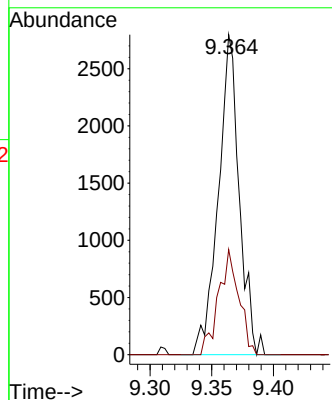
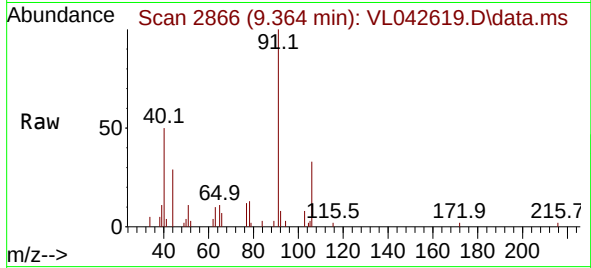
#58
Ethyl Benzene
Concen: 0.082 ppbv m
RT: 9.364 min Scan# 2865
Delta R.T. 0.003 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025

Tgt Ion: 91 Resp: 3290
Ion Ratio Lower Upper
91 100
106 32.8 25.9 38.9

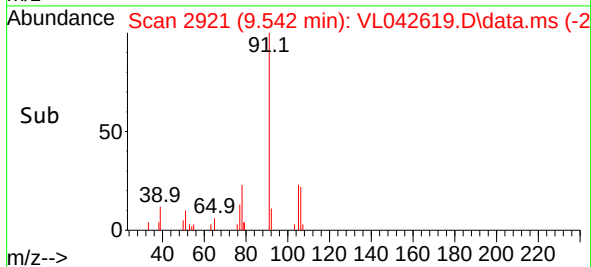
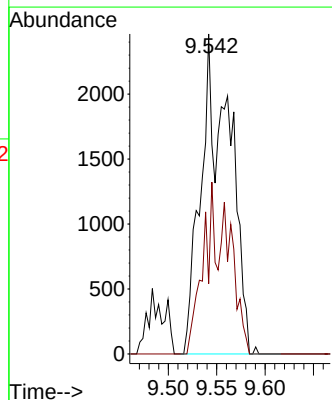
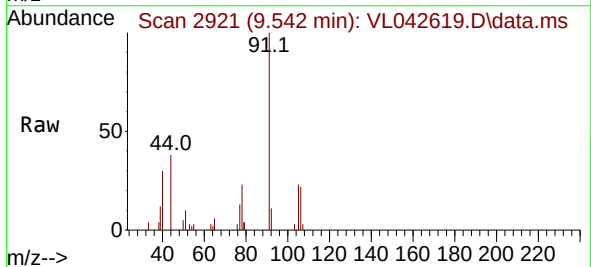
Manual Integrations
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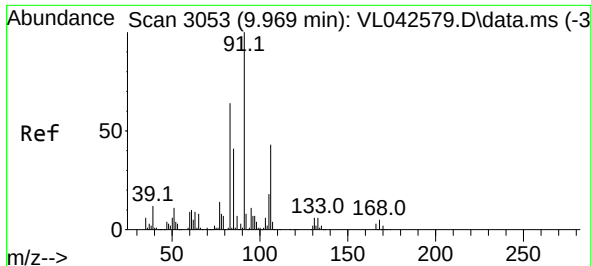
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#59
m/p-Xylene
Concen: 0.160 ppbv m
RT: 9.542 min Scan# 2921
Delta R.T. 0.003 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

Tgt Ion: 91 Resp: 5052
Ion Ratio Lower Upper
91 100
106 46.1 38.8 58.2





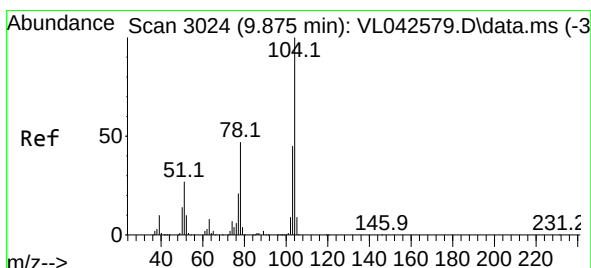
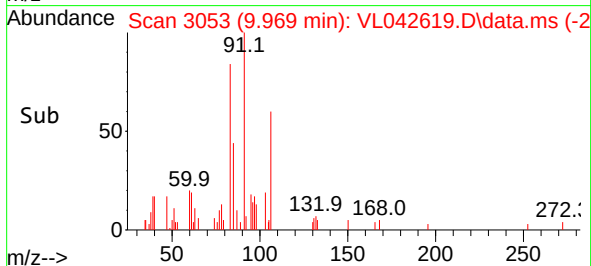
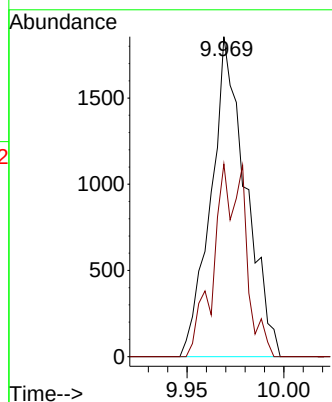
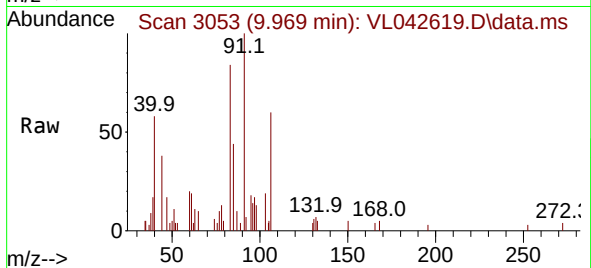
#60
o-Xylene
Concen: 0.074 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025

Tgt Ion: 91 Resp: 231
Ion Ratio Lower Upper
91 100
106 55.0 22.9 68.5

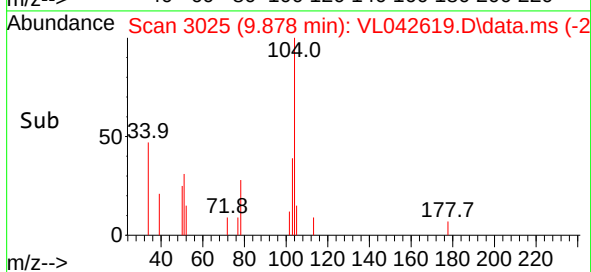
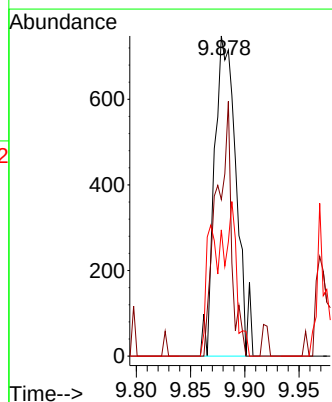
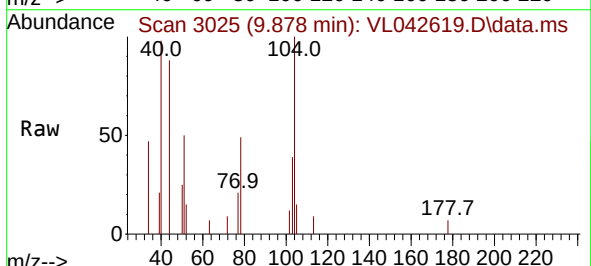
Manual Integrations
APPROVED

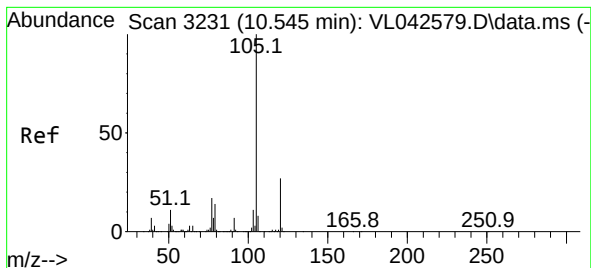
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#61
Styrene
Concen: 0.069 ppbv m
RT: 9.878 min Scan# 3025
Delta R.T. 0.003 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

Tgt Ion:104 Resp: 1029
Ion Ratio Lower Upper
104 100
78 55.5 38.2 57.4
103 50.4 36.7 55.1





#62

Isopropylbenzene

Concen: 0.094 ppbv

RT: 10.548 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL042619.D

Acq: 05 Jun 2025 13:11

Instrument :

MSVOA_L

ClientSampleId :

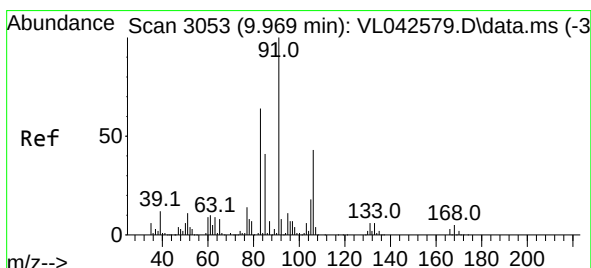
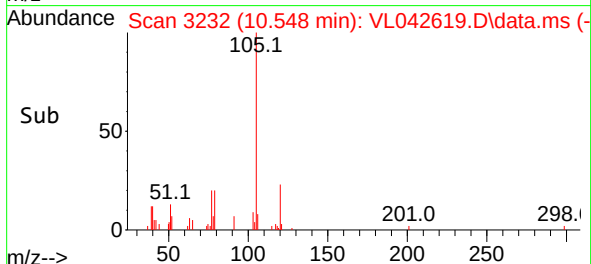
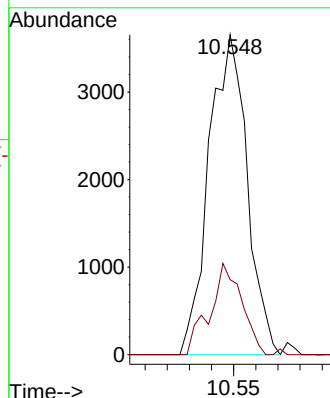
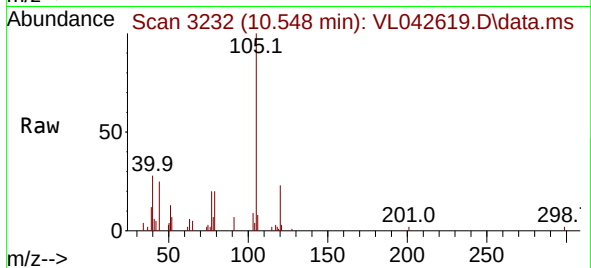
MDL-AIR-03-QT2-2025

Tgt Ion:105 Resp: 4374
 Ion Ratio Lower Upper
 105 100
 120 24.2 20.9 31.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#63

1,1,2,2-Tetrachloroethane

Concen: 0.121 ppbv

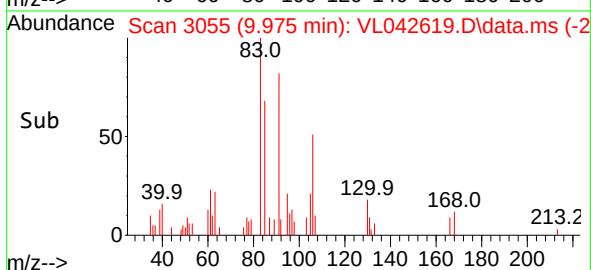
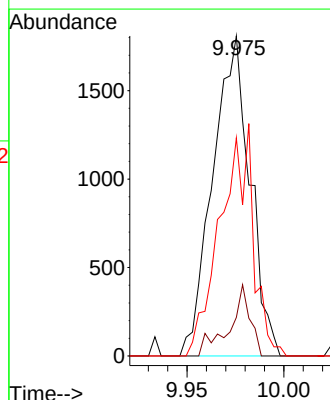
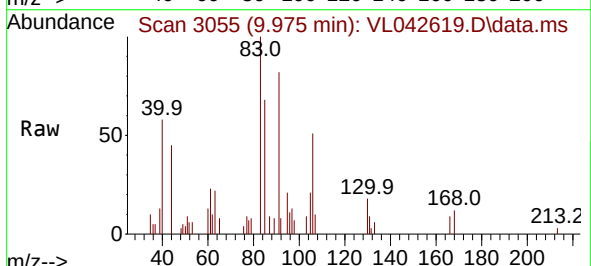
RT: 9.975 min Scan# 3055

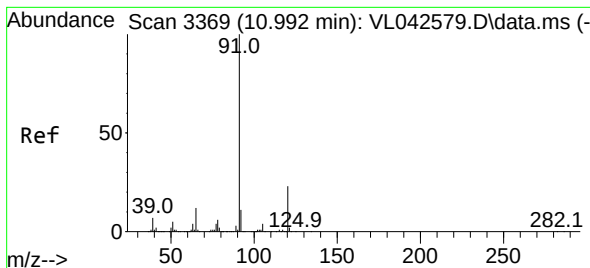
Delta R.T. 0.006 min

Lab File: VL042619.D

Acq: 05 Jun 2025 13:11

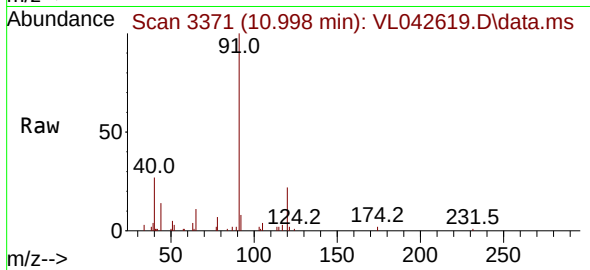
Tgt Ion: 83 Resp: 2418
 Ion Ratio Lower Upper
 83 100
 131 12.5 4.8 14.4
 85 63.5 32.5 97.4





#64
n-propylbenzene
Concen: 0.079 ppbv m
RT: 10.998 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

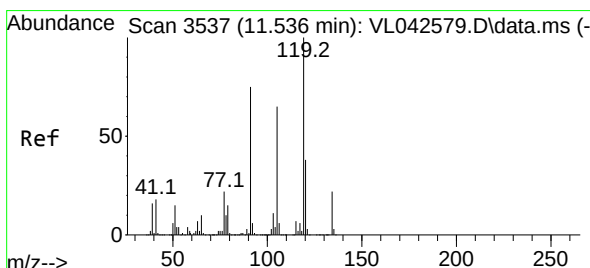
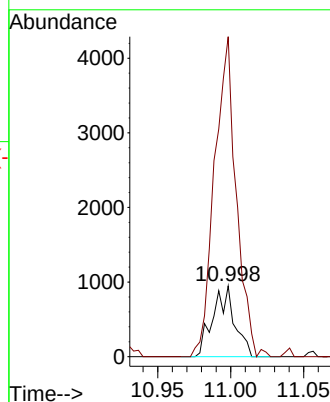
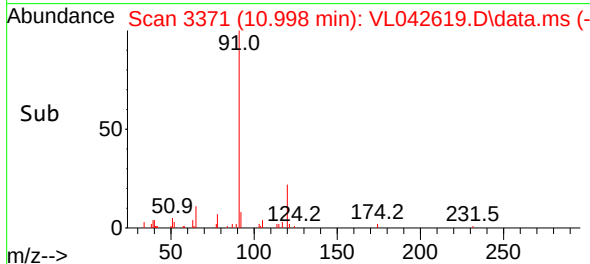
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



Tgt Ion:120 Resp: 982
Ion Ratio Lower Upper
120 100
91 454.7 363.0 544.6

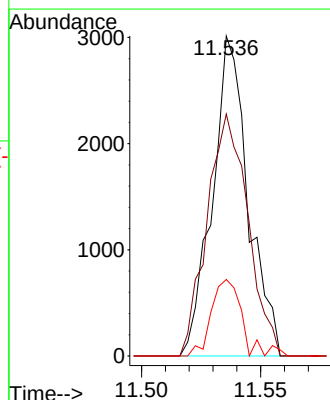
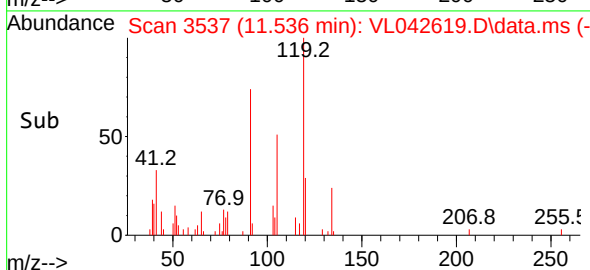
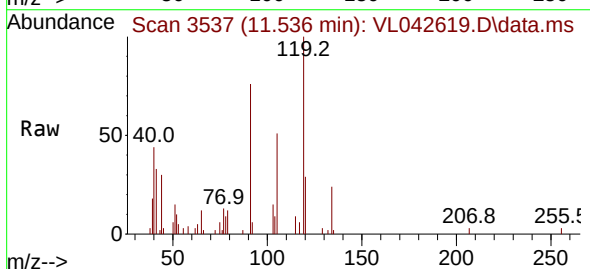
Manual Integrations
APPROVED

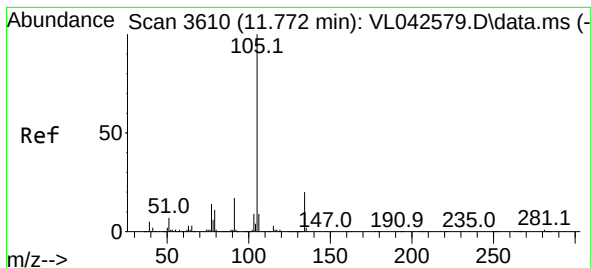
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#65
tert-Butylbenzene
Concen: 0.075 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

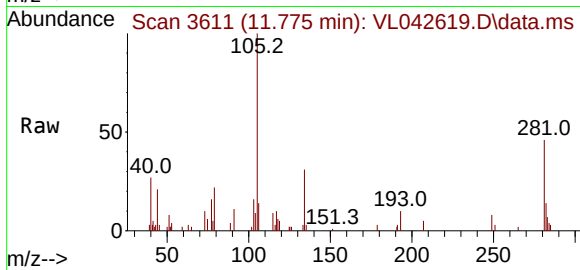
Tgt Ion:119 Resp: 3148
Ion Ratio Lower Upper
119 100
91 86.2 61.1 91.7
134 20.5 17.4 26.2





#67
 sec-Butylbenzene
 Concen: 0.073 ppbv
 RT: 11.775 min Scan# 3611
 Delta R.T. 0.003 min
 Lab File: VL042619.D
 Acq: 05 Jun 2025 13:11

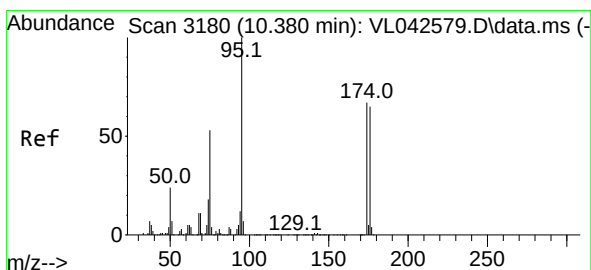
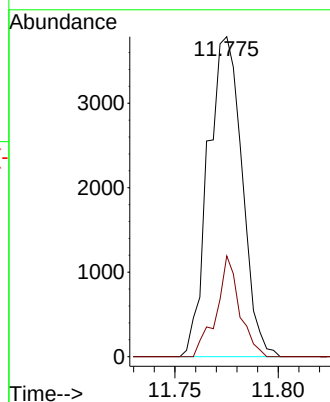
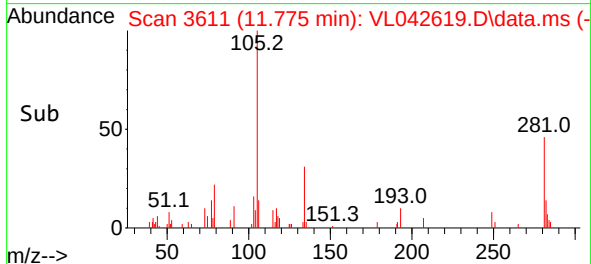
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2025



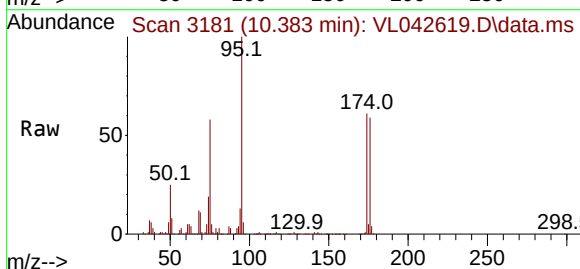
Tgt Ion:105 Resp: 4329
 Ion Ratio Lower Upper
 105 100
 134 21.4 15.8 23.6

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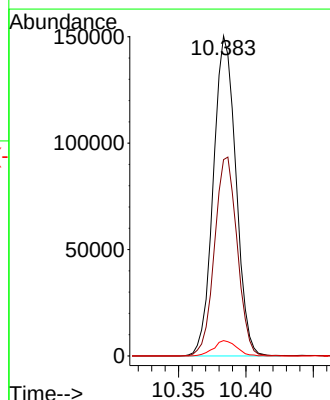
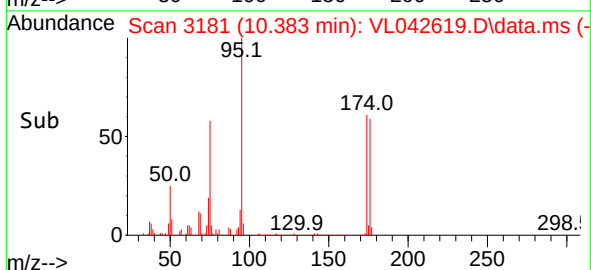
Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025

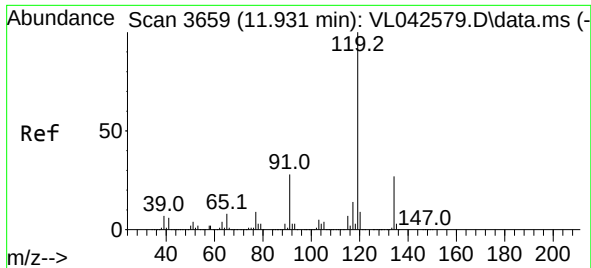


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.882 ppbv
 RT: 10.383 min Scan# 3181
 Delta R.T. 0.003 min
 Lab File: VL042619.D
 Acq: 05 Jun 2025 13:11



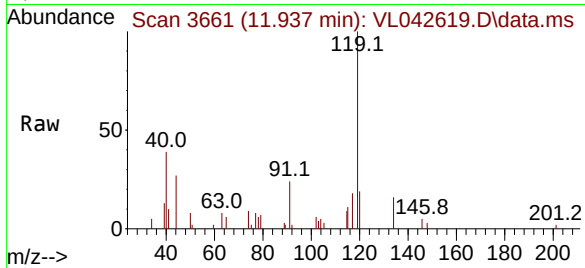
Tgt Ion: 95 Resp: 175310
 Ion Ratio Lower Upper
 95 100
 174 62.5 53.1 79.7
 175 4.9 4.2 6.2





#69
p-Isopropyltoluene
Concen: 0.064 ppbv
RT: 11.937 min Scan# 3659
Delta R.T. 0.006 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

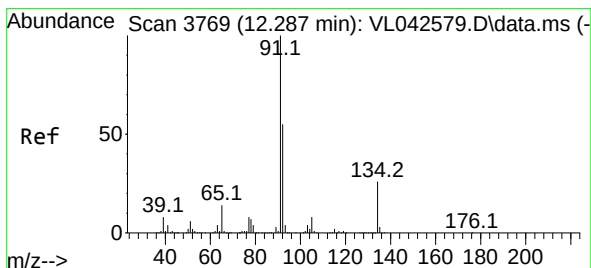
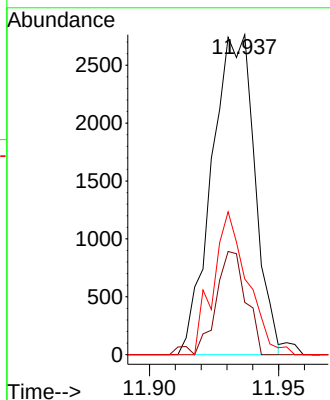
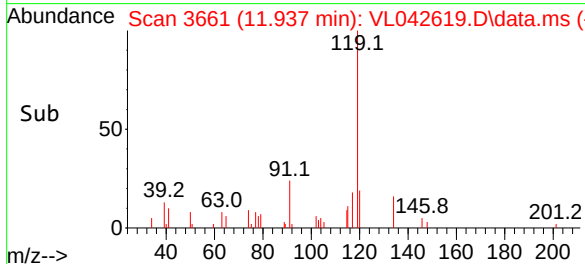
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



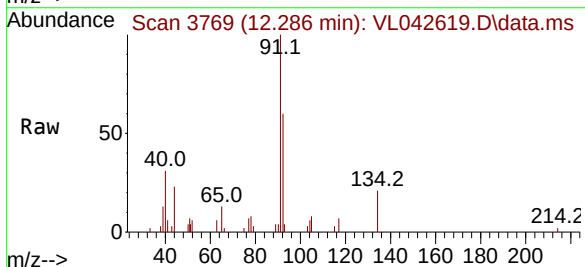
Tgt Ion: 119 Resp: 3198
Ion Ratio Lower Upper
119 100
134 23.0 21.1 31.7
91 35.7 21.9 32.9

Manual Integrations
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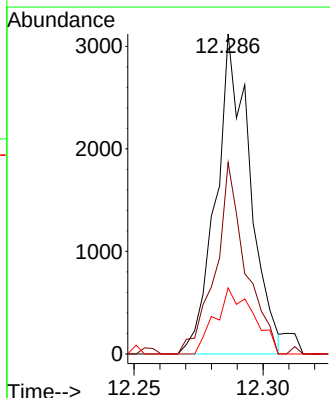
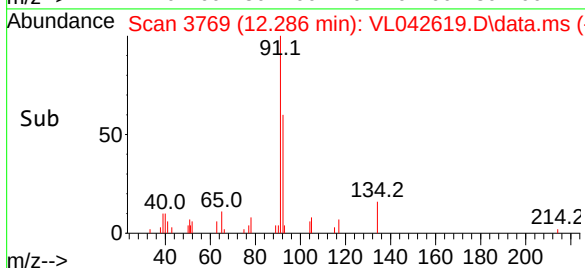
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025

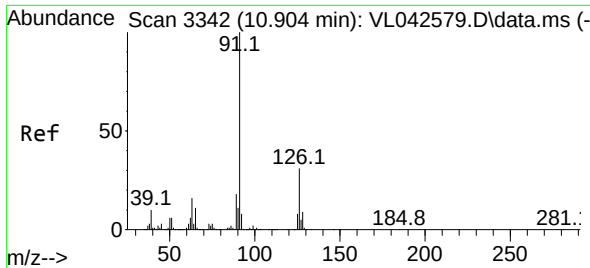


#70
n-Butylbenzene
Concen: 0.058 ppbv
RT: 12.286 min Scan# 3769
Delta R.T. -0.000 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11



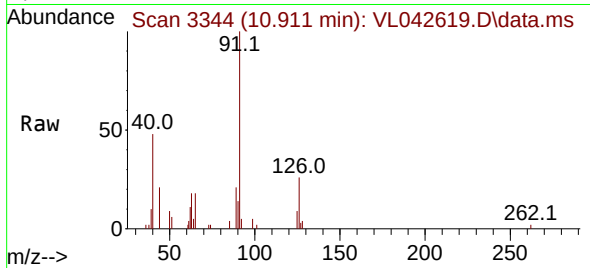
Tgt Ion: 91 Resp: 2843
Ion Ratio Lower Upper
91 100
92 54.3 44.4 66.6
134 23.1 20.1 30.1





#71
2-Chlorotoluene
Concen: 0.094 ppbv
RT: 10.911 min Scan# 3344
Delta R.T. 0.006 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11

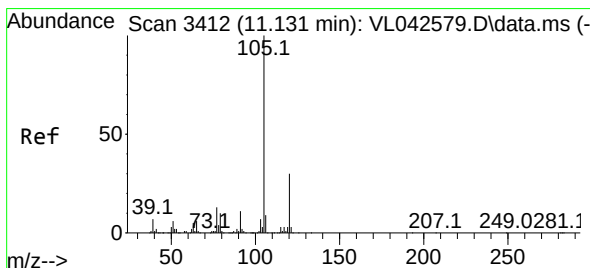
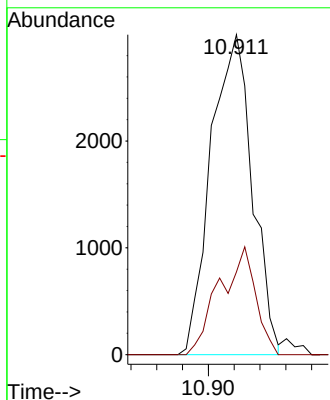
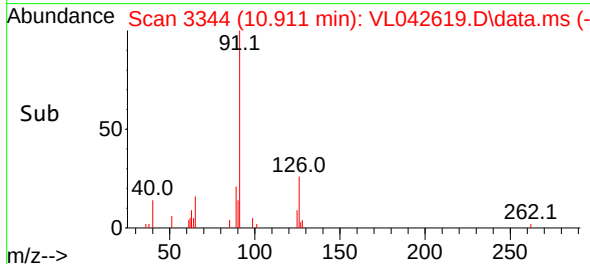
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



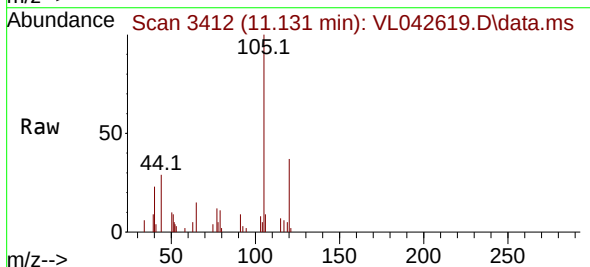
Tgt Ion: 91 Resp: 3344
Ion Ratio Lower Upper
91 100
126 29.5 12.6 50.4

Manual Integrations
APPROVED

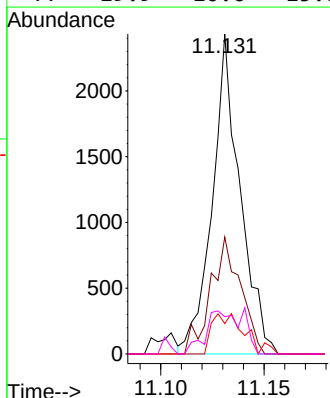
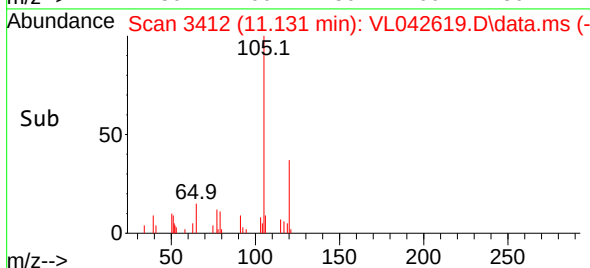
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025

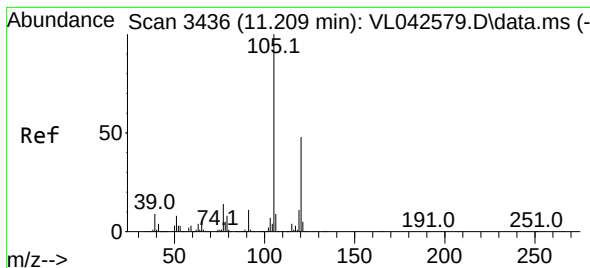


#72
4-Ethyltoluene
Concen: 0.058 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. -0.000 min
Lab File: VL042619.D
Acq: 05 Jun 2025 13:11



Tgt Ion:105 Resp: 2270
Ion Ratio Lower Upper
105 100
120 39.4 24.6 36.8#
91 14.8 9.6 14.4#
77 19.9 10.6 15.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.071 ppbv

RT: 11.209 min Scan# 3436

Delta R.T. -0.000 min

Lab File: VL042619.D

Acq: 05 Jun 2025 13:11

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2025

Tgt Ion:105 Resp: 2317

Ion Ratio Lower Upper

105 100

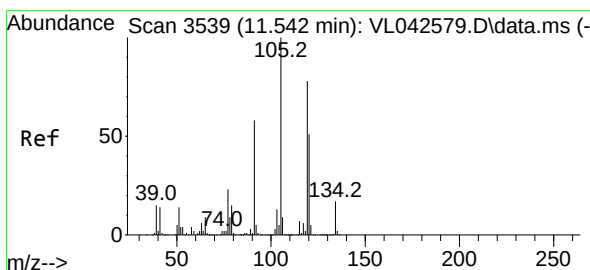
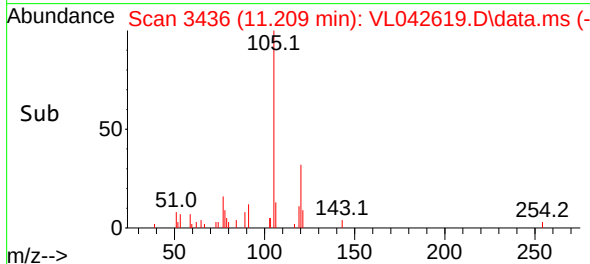
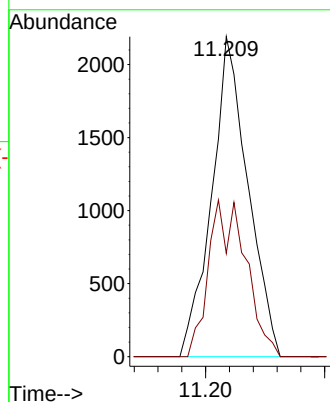
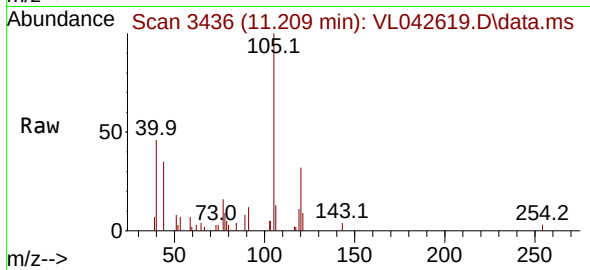
120 32.3 38.8 58.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2025

Supervised By :Mahesh Dadoda 06/06/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.069 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. -0.003 min

Lab File: VL042619.D

Acq: 05 Jun 2025 13:11

Tgt Ion:105 Resp: 2472

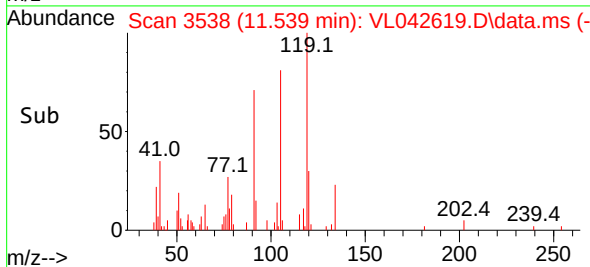
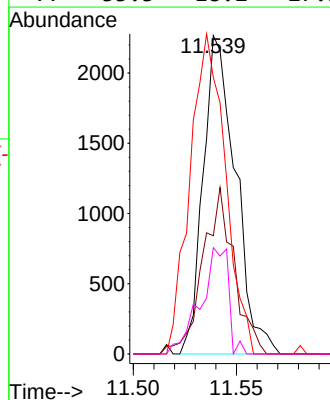
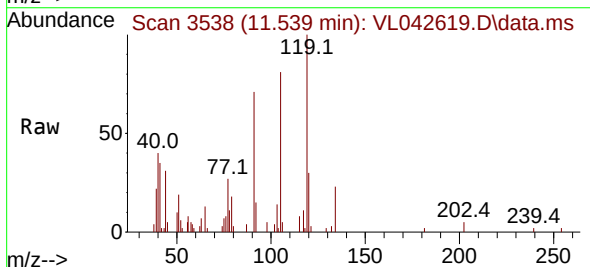
Ion Ratio Lower Upper

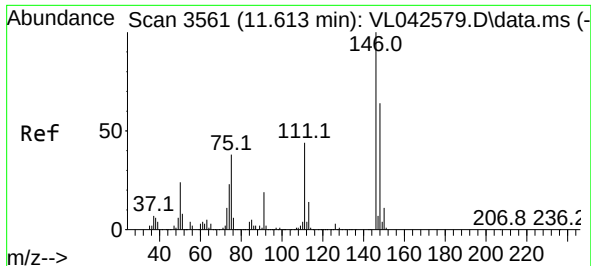
105 100

120 37.1 40.8 61.2#

91 86.9 46.8 70.2#

77 33.3 18.2 27.2#





#75

1,3-Dichlorobenzene

Concen: 0.083 ppbv

RT: 11.616 min Scan# 3561

Delta R.T. 0.003 min

Lab File: VL042619.D

Acq: 05 Jun 2025 13:11

Instrument :

MSVOA_L

ClientSampleId :

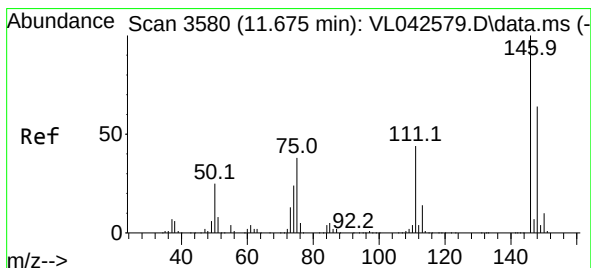
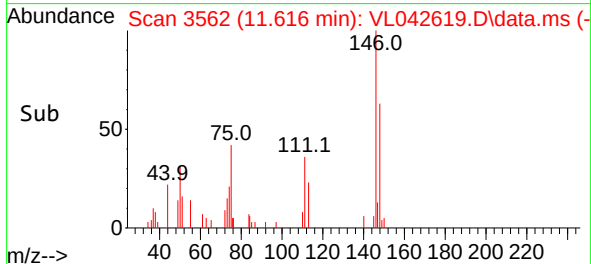
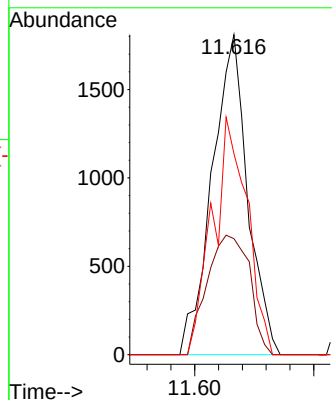
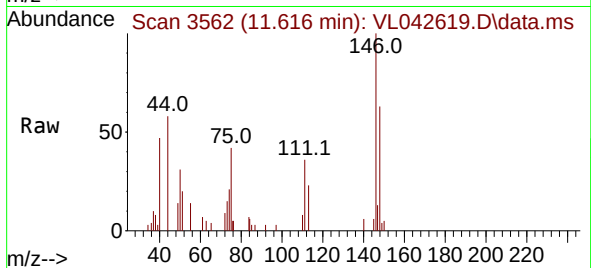
MDL-AIR-03-QT2-2025

Tgt Ion:146	Resp:	1878
Ion Ratio	Lower	Upper
146	100	
111	44.7	22.4 67.3
148	72.2	32.0 96.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#76

1,4-Dichlorobenzene

Concen: 0.090 ppbv

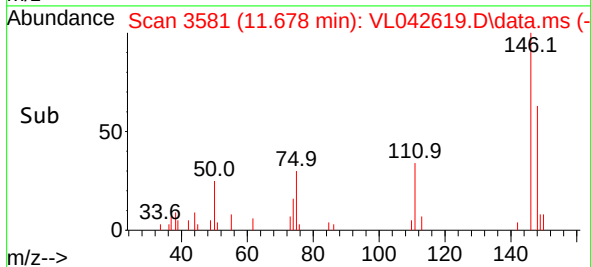
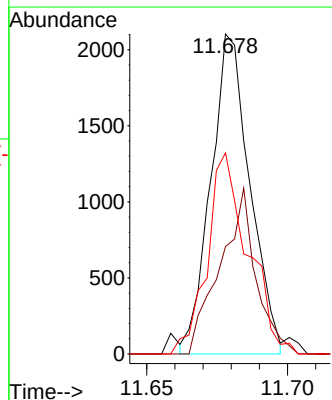
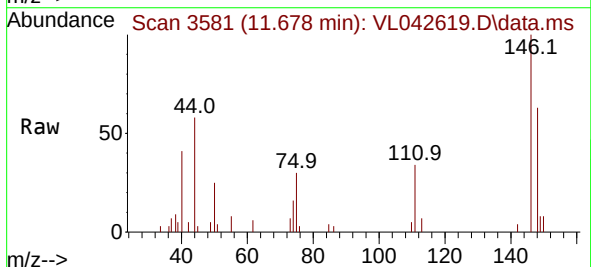
RT: 11.678 min Scan# 3581

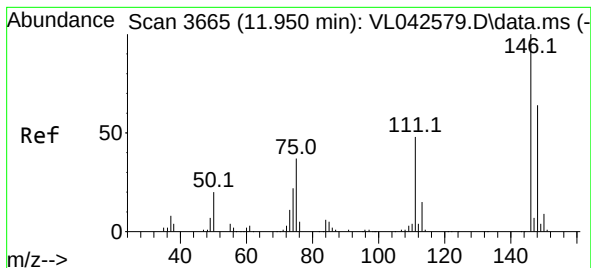
Delta R.T. 0.003 min

Lab File: VL042619.D

Acq: 05 Jun 2025 13:11

Tgt Ion:146	Resp:	2032
Ion Ratio	Lower	Upper
146	100	
111	47.4	21.6 64.8
148	65.4	32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 0.086 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. 0.003 min

Lab File: VL042619.D

Acq: 05 Jun 2025 13:11

Instrument :

MSVOA_L

ClientSampleId :

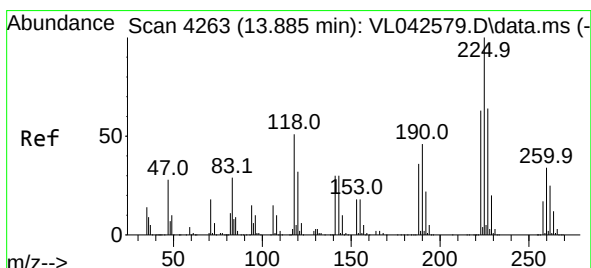
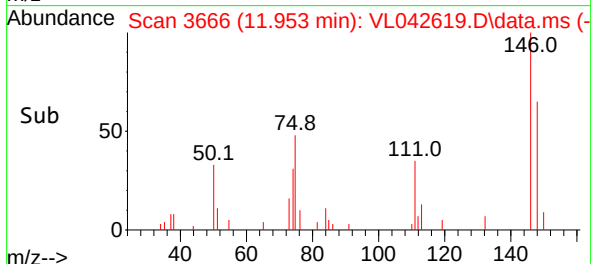
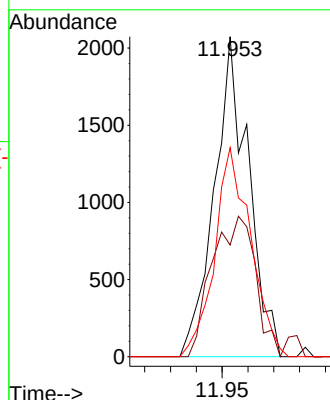
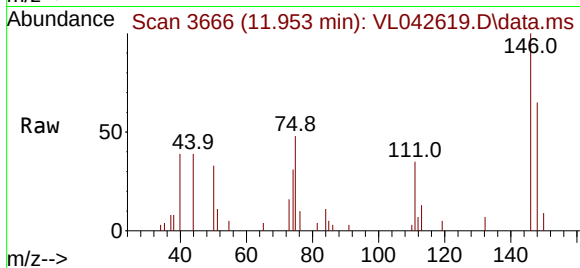
MDL-AIR-03-QT2-2025

Tgt Ion:146	Resp:	1900
Ion Ratio	Lower	Upper
146	100	
111	58.6	23.1 69.3
148	69.0	32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#78

Hexachloro-1,3-Butadiene

Concen: 0.108 ppbv m

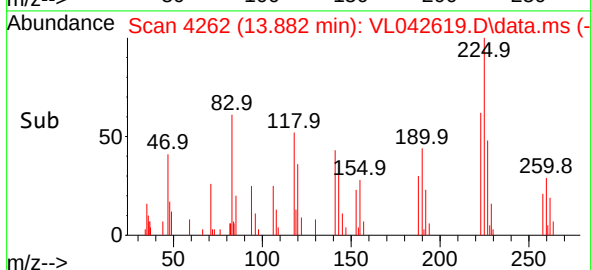
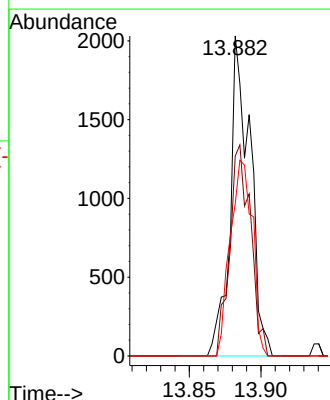
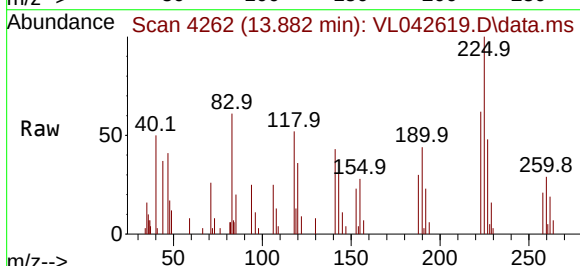
RT: 13.882 min Scan# 4262

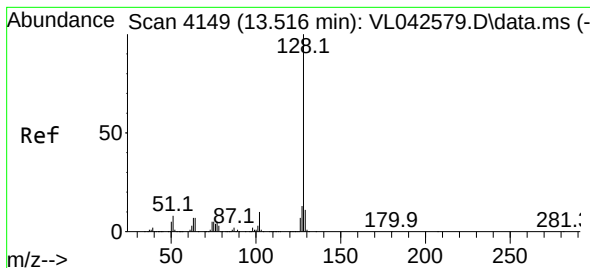
Delta R.T. -0.003 min

Lab File: VL042619.D

Acq: 05 Jun 2025 13:11

Tgt Ion:225	Resp:	1966
Ion Ratio	Lower	Upper
225	100	
223	0.0	50.2 75.4#
227	0.0	51.1 76.7#





#79

Naphthalene

Concen: 0.033 ppbv

RT: 13.520 min Scan# 4149

Delta R.T. 0.003 min

Lab File: VL042619.D

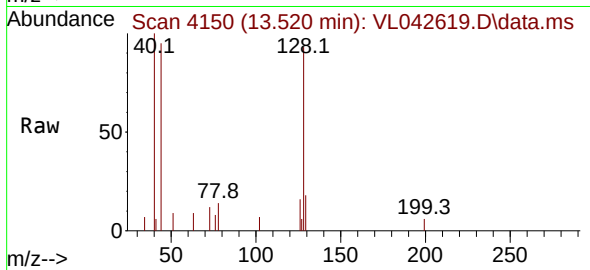
Acq: 05 Jun 2025 13:11

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2025



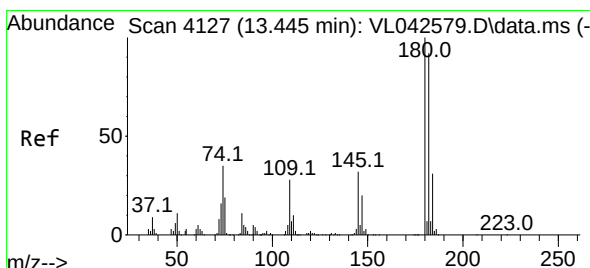
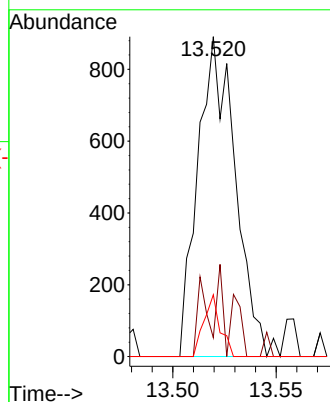
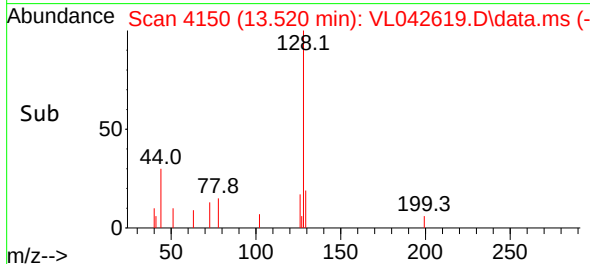
Tgt Ion:	128	Resp:	112
Ion Ratio	Lower	Upper	
128	100		
127	5.9	10.2	15.4
129	19.3	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2025

Supervised By :Mahesh Dadoda 06/06/2025



#81

1,2,4-Trichlorobenzene

Concen: 0.036 ppbv m

RT: 13.445 min Scan# 4127

Delta R.T. -0.000 min

Lab File: VL042619.D

Acq: 05 Jun 2025 13:11

Tgt Ion:	180	Resp:	683
Ion Ratio	Lower	Upper	
180	100		
182	92.1	75.0	112.4
184	0.0	24.6	36.8

