

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
 Data File : VL043260.D
 Acq On : 20 Nov 2025 12:07
 Operator : SY/MD
 Sample : VL1120ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
 Supervised By :Mahesh Dadoda 11/21/2025

Quant Time: Nov 21 00:36:06 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

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

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	101372	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	270113	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	214473	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.371 95 164533 10.466 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	164798	11.526	ppbv	99
3) Chlorodifluoromethane	1.476	51	142815	10.157	ppbv	95
4) Chloromethane	1.534	50	55072	10.302	ppbv	96
5) Vinyl Chloride	1.580	62	55657	9.520	ppbv	93
6) Bromomethane	1.667	94	25862	9.126	ppbv	82
7) Chloroethane	1.703	64	22017	9.670	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	131076	11.021	ppbv	98
9) Propene	1.483	41	53732m	8.999	ppbv	
10) Heptane	4.972	43	158256	8.906	ppbv	99
11) Trichlorofluoromethane	1.878	101	171548	12.384	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.140	101	126812	11.726	ppbv	99
13) Ethanol	1.719	45	17475	8.323	ppbv	99
14) Bromoethene	1.780	108	44833	10.813	ppbv	97
15) Acetone	1.832	43	119678	8.497	ppbv	100
16) 1,3-Butadiene	1.609	39	61711	9.828	ppbv	95
17) tert-Butyl alcohol	2.036	59	171332	9.268	ppbv	100
18) 1,1-Dichloroethene	2.033	96	53337	10.592	ppbv	98
19) Isopropyl Alcohol	1.884	45	68773	8.642	ppbv	90
20) Methylene Chloride	2.062	84	48243	11.763	ppbv	93
21) Allyl Chloride	2.094	41	83462	8.808	ppbv	92
22) trans-1,2-Dichloroethene	2.340	96	61279	10.647	ppbv	93
23) Vinyl Acetate	2.460	43	142709	8.393	ppbv	98
24) 1,1-Dichloroethane	2.408	63	121792	10.962	ppbv	98
25) Ethyl Acetate	2.829	43	281330	9.262	ppbv	99
26) Hexane	2.823	57	126532	9.501	ppbv	99
27) Carbon Disulfide	2.149	76	148765	10.942	ppbv	100
28) Methyl tert-Butyl Ether	2.434	73	64675	9.894	ppbv	98
29) Chloroform	2.845	83	220567	11.652	ppbv	96
30) Cyclohexane	3.852	84	107088	9.591	ppbv	95
31) cis-1,2-Dichloroethene	2.719	61	131746	9.953	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	225329	11.168	ppbv	99
34) 2-Butanone	2.551	43	177069	9.287	ppbv	100
35) Carbon Tetrachloride	3.758	117	236089	11.515	ppbv	98
36) Benzene	3.651	78	257481	9.954	ppbv	98
37) 1,2-Dichloroethane	3.214	62	171416	11.329	ppbv	97
38) Trichloroethene	4.541	130	107097	10.582	ppbv	93
39) 1,2-Dichloropropane	4.308	63	92063	9.724	ppbv	87
40) 1,4-Dioxane	4.570	88	35055	8.236	ppbv #	93
41) Tetrahydrofuran	3.046	42	92013	8.739	ppbv	100
42) Bromodichloromethane	4.480	83	232959	11.161	ppbv	100
43) Methyl Methacrylate	4.865	69	122481	8.920	ppbv	96
44) 2,2,4-Trimethylpentane	4.632	57	428558	9.646	ppbv	98
45) t-1,3-Dichloropropene	6.402	75	96138	7.511	ppbv	100

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Reviewed By :Semsettin Yesilyurt 11/21/2025
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Quant Time: Nov 21 00:36:06 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

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

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	117380	7.810	ppbv	98
47) 1,1,2-Trichloroethane	6.571	97	104185	10.369	ppbv	97
48) Dibromochloromethane	7.377	129	188165	10.892	ppbv	99
49) Bromoform	9.474	173	168175	10.991	ppbv	99
50) 4-Methyl-2-Pentanone	5.736	43	237956	8.859	ppbv	99
51) 2-Hexanone	7.425	43	170769	8.187	ppbv #	99
52) Tetrachloroethene	8.218	164	99982	10.391	ppbv	98
53) Toluene	6.927	91	294482	9.614	ppbv	100
54) 1,2-Dibromoethane	7.642	107	143721	9.720	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.917	131	176862	11.221	ppbv	99
57) Chlorobenzene	8.914	112	234816	10.664	ppbv	99
58) Ethyl Benzene	9.348	91	427546	10.357	ppbv	99
59) m/p-Xylene	9.542	91	708974m	21.422	ppbv	
60) o-Xylene	9.956	91	353595	10.695	ppbv	99
61) Styrene	9.862	104	135477	9.363	ppbv	98
62) Isopropylbenzene	10.532	105	634112	10.720	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.953	83	218173	10.371	ppbv	99
64) n-propylbenzene	10.982	120	159286	10.480	ppbv	97
65) tert-Butylbenzene	11.526	119	552915	10.467	ppbv	98
66) Benzyl Chloride	11.610	91	22396	4.178	ppbv	98
67) sec-Butylbenzene	11.762	105	779369	10.570	ppbv	99
69) p-Isopropyltoluene	11.921	119	649941	10.405	ppbv	100
70) n-Butylbenzene	12.277	91	622858	10.278	ppbv	100
71) 2-Chlorotoluene	10.895	91	469961	10.337	ppbv	100
72) 4-Ethyltoluene	11.118	105	423927	10.529	ppbv	98
73) 1,3,5-Trimethylbenzene	11.199	105	358599	10.613	ppbv	95
74) 1,2,4-Trimethylbenzene	11.532	105	392516	10.645	ppbv	94
75) 1,3-Dichlorobenzene	11.604	146	231654	10.765	ppbv	99
76) 1,4-Dichlorobenzene	11.665	146	229039	10.642	ppbv	100
77) 1,2-Dichlorobenzene	11.944	146	220159	10.642	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	171979	9.961	ppbv	100
79) Naphthalene	13.507	128	319763	9.764	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	75079	8.734	ppbv	97
81) 1,2,4-Trichlorobenzene	13.436	180	157618	10.761	ppbv	99

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

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Manual Integrations
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Supervised By :Mahesh Dadoda 11/21/2025

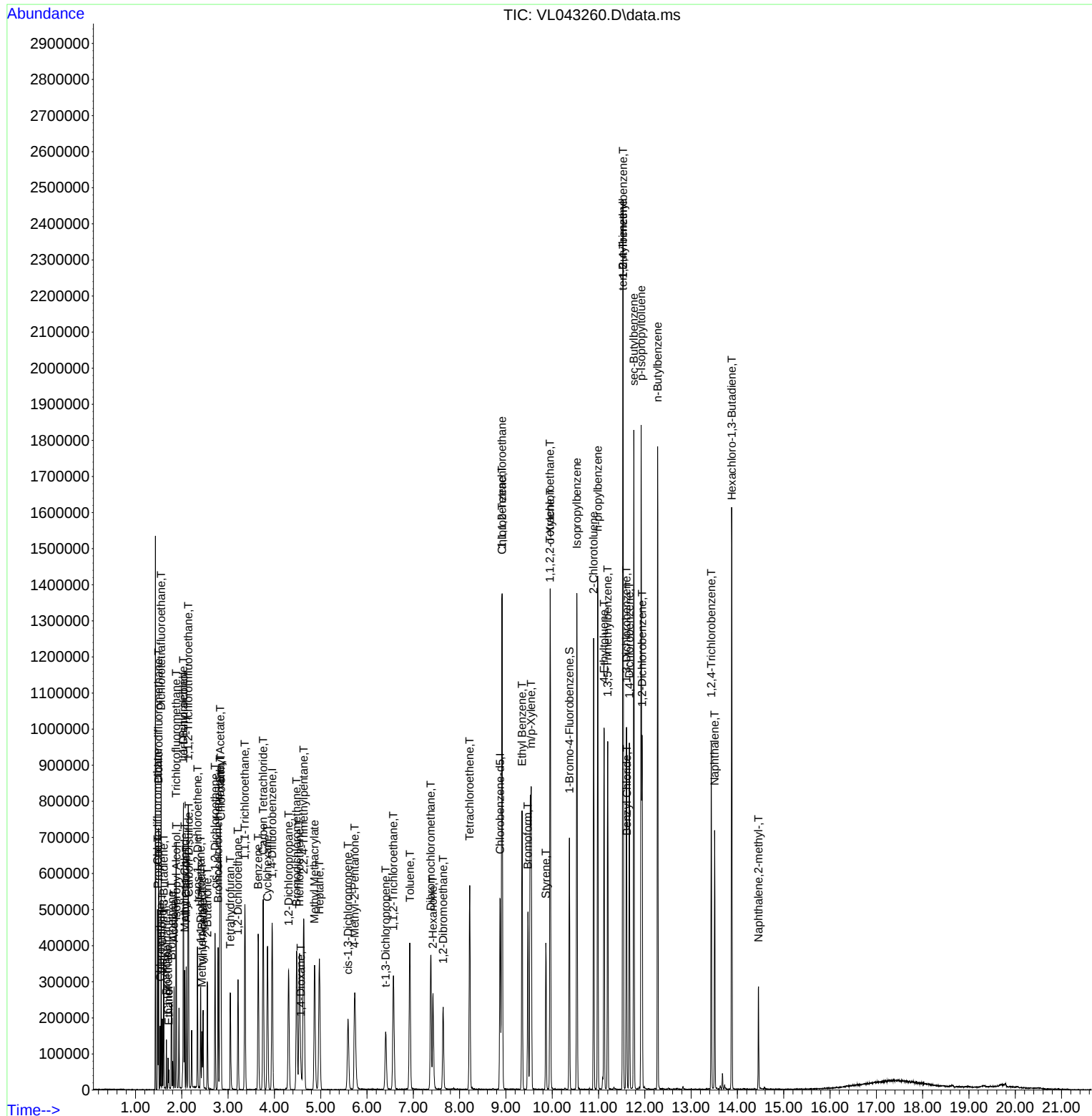
Quant Time: Nov 21 00:36:06 2025

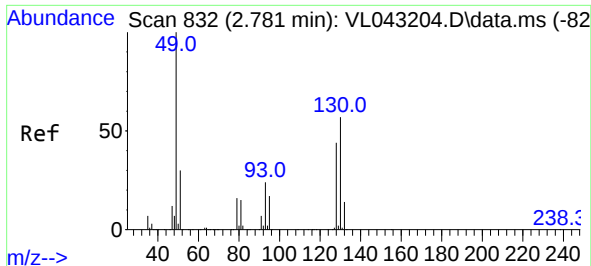
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug

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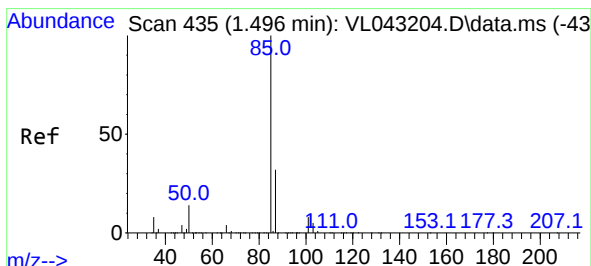
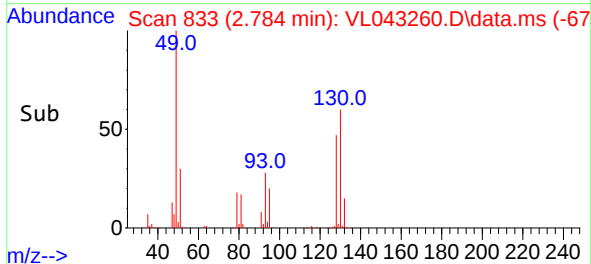
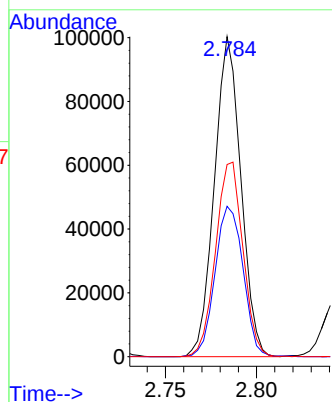
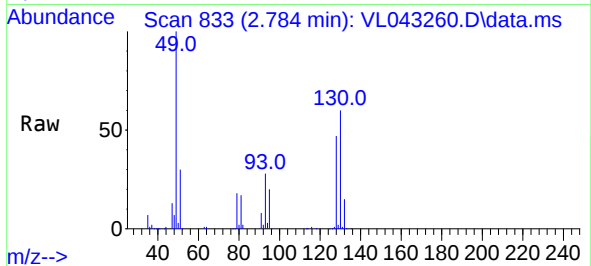
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 49 Resp: 101372
Ion Ratio Lower Upper
49 100
128 49.8 23.0 69.0
130 62.8 29.9 89.7

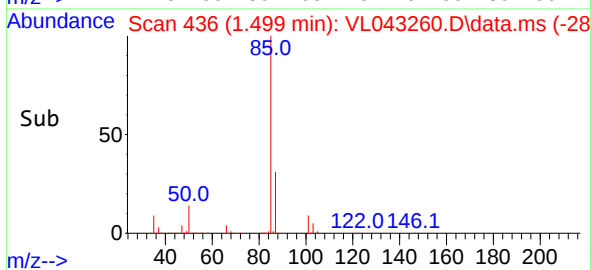
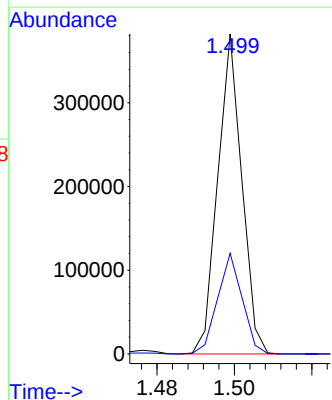
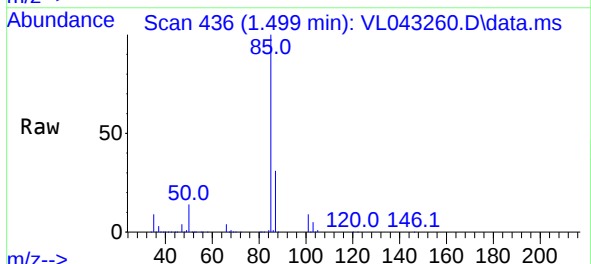
Manual Integrations
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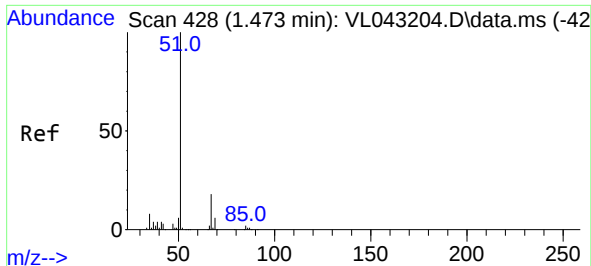
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#2
Dichlorodifluoromethane
Concen: 11.526 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

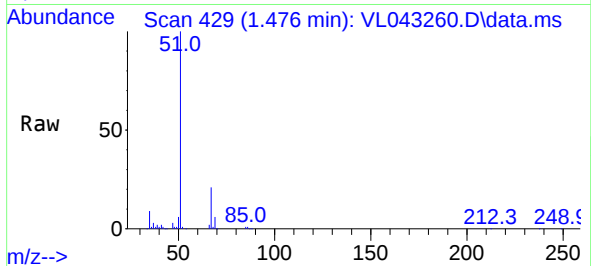
Tgt Ion: 85 Resp: 164798
Ion Ratio Lower Upper
85 100
87 31.4 25.4 38.2





#3
Chlorodifluoromethane
Concen: 10.157 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

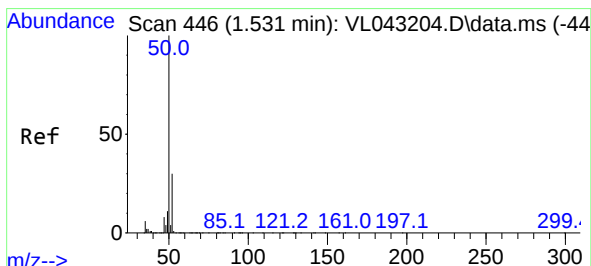
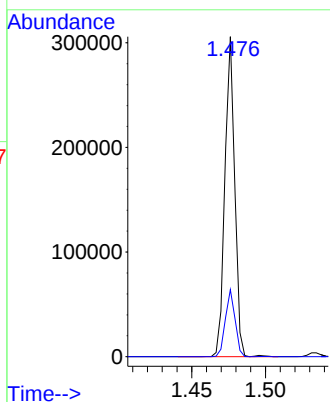
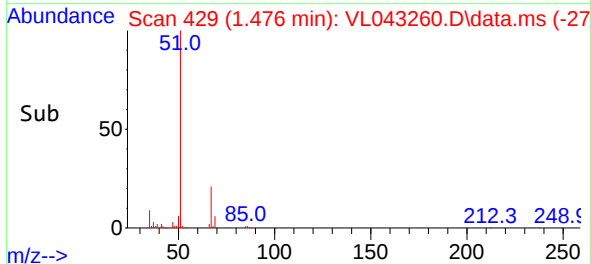
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



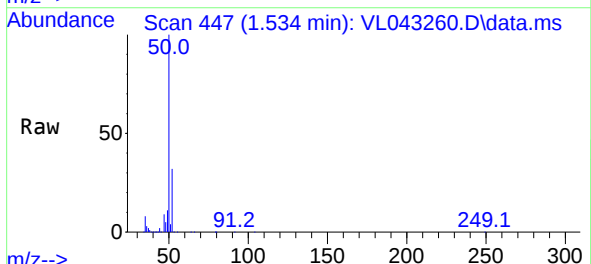
Tgt Ion: 51 Resp: 142815
Ion Ratio Lower Upper
51 100
67 20.7 14.9 22.3

Manual Integrations
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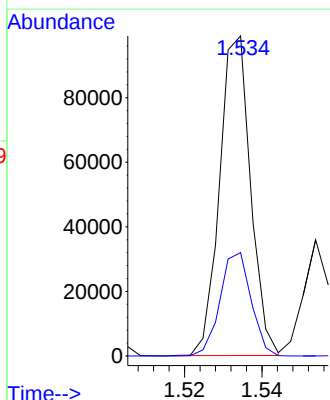
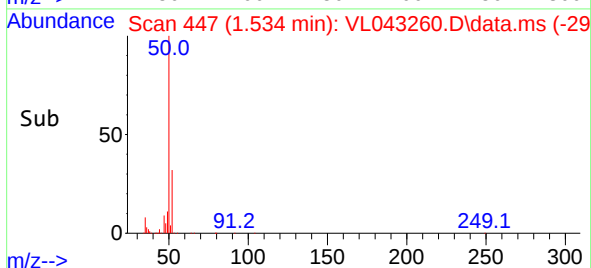
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Supervised By :Mahesh Dadoda 11/21/2025

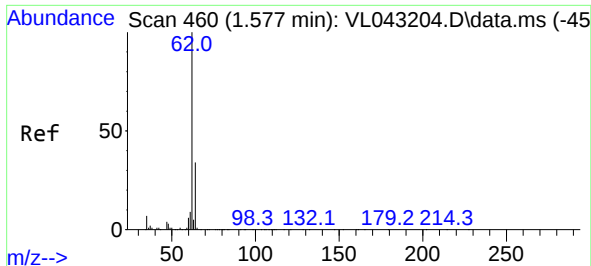


#4
Chloromethane
Concen: 10.302 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07



Tgt Ion: 50 Resp: 55072
Ion Ratio Lower Upper
50 100
52 32.4 24.1 36.1





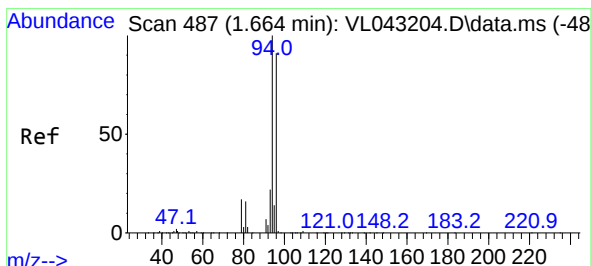
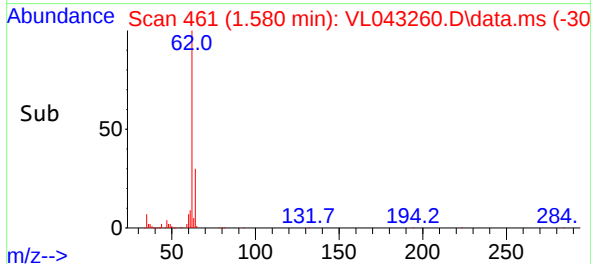
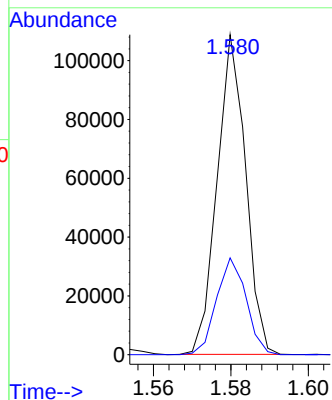
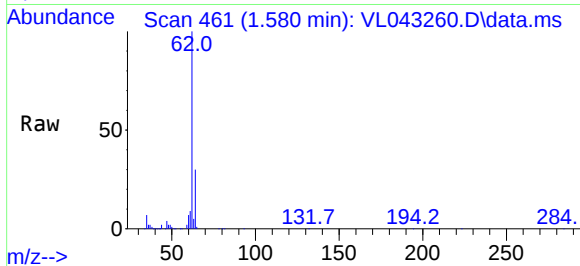
#5
Vinyl Chloride
Concen: 9.520 ppbv
RT: 1.580 min Scan# 40
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 62 Resp: 5565
Ion Ratio Lower Upper
62 100
64 30.3 27.3 40.9

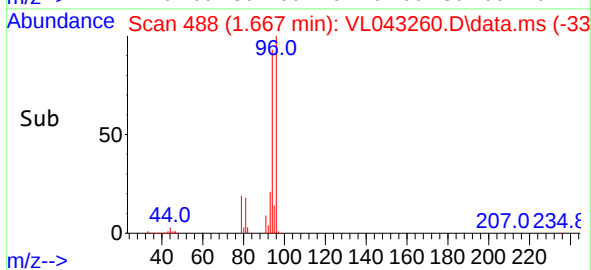
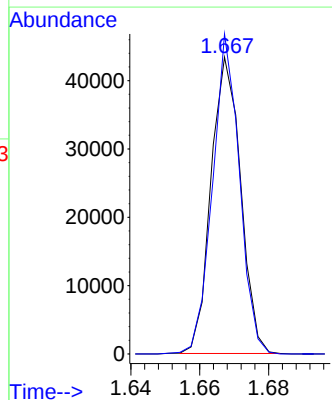
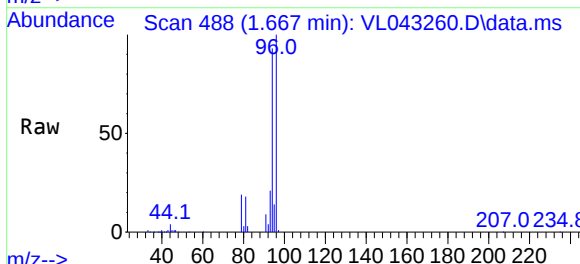
Manual Integrations
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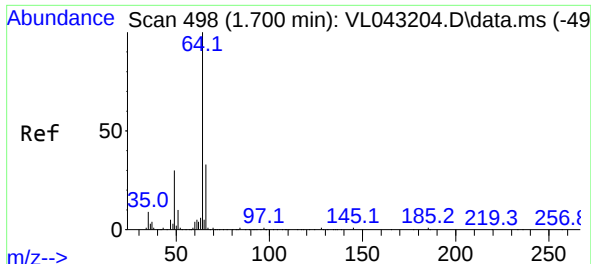
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#6
Bromomethane
Concen: 9.126 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

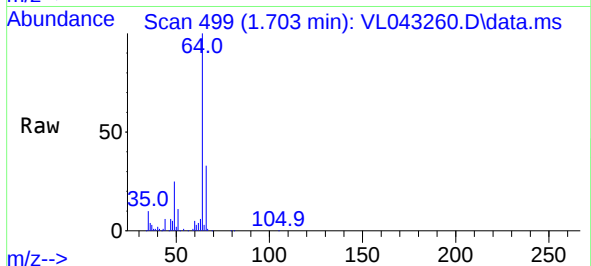
Tgt Ion: 94 Resp: 25862
Ion Ratio Lower Upper
94 100
96 108.0 72.9 109.3





#7
Chloroethane
Concen: 9.670 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

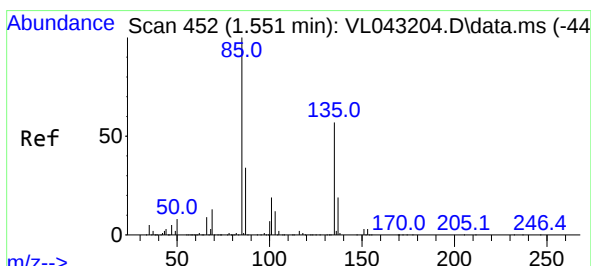
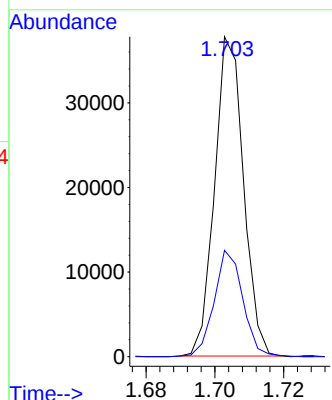
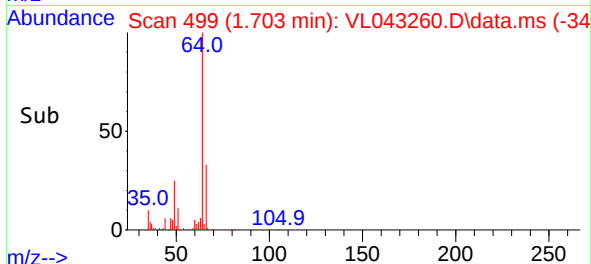
Instrument :
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ClientSampleId :
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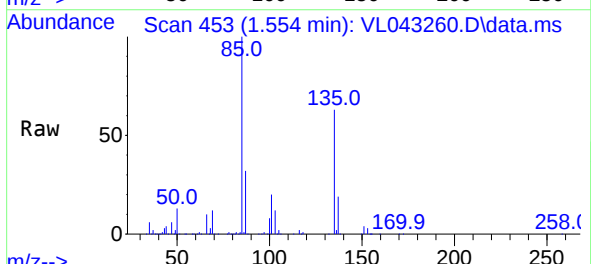
Tgt Ion: 64 Resp: 22017
Ion Ratio Lower Upper
64 100
66 33.3 26.8 40.2

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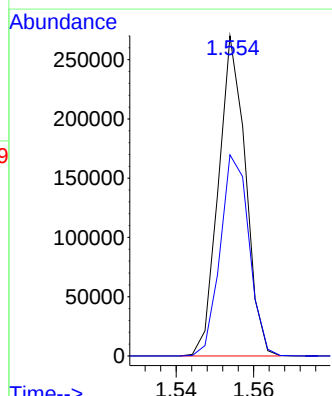
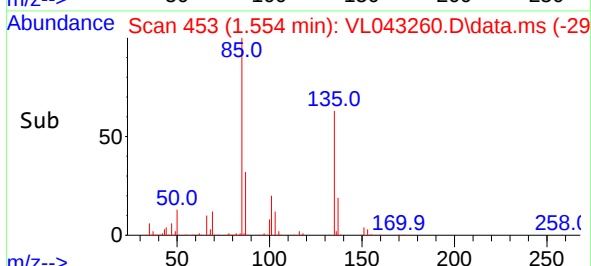
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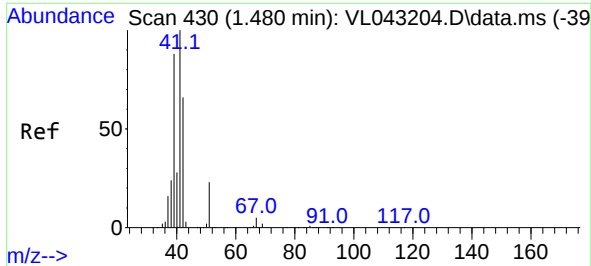


#8
Dichlorotetrafluoroethane
Concen: 11.021 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07



Tgt Ion: 85 Resp: 131076
Ion Ratio Lower Upper
85 100
135 67.1 52.6 79.0





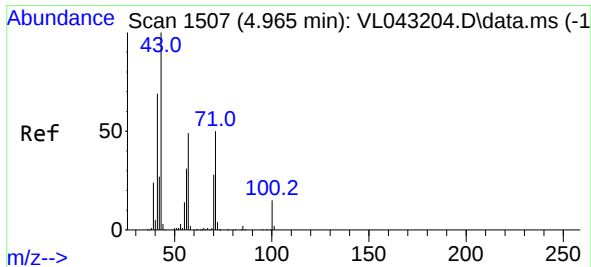
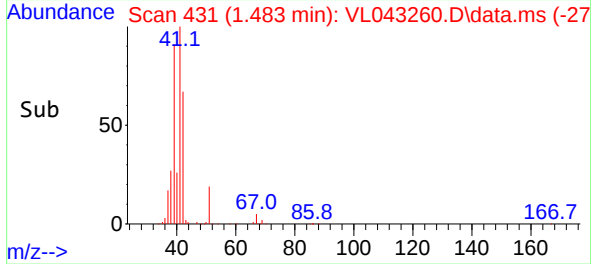
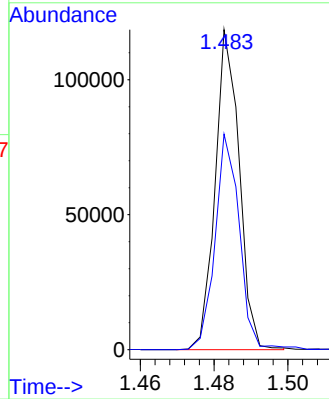
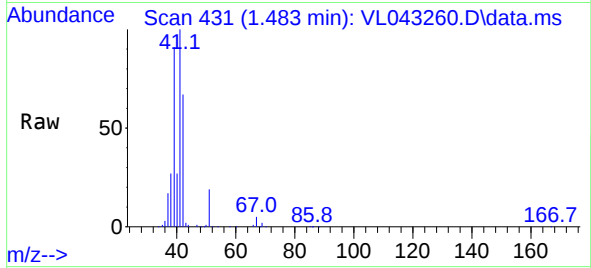
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Propene
Concen: 8.999 ppbv m
RT: 1.483 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043260.D
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Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 41 Resp: 53732
Ion Ratio Lower Upper
41 100
42 5.4 3.7 5.5

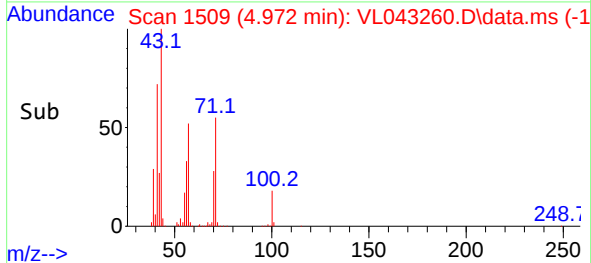
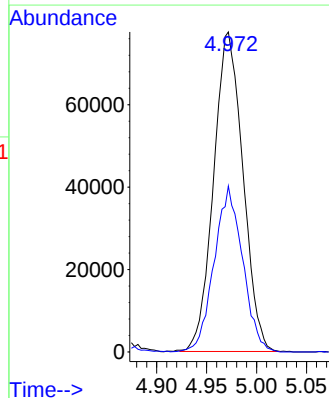
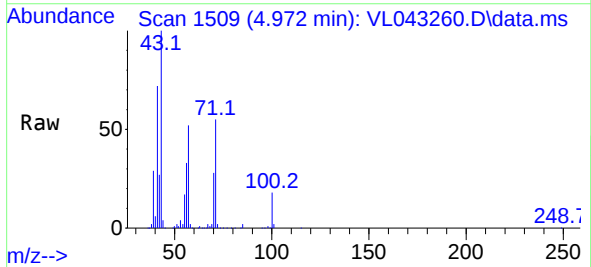
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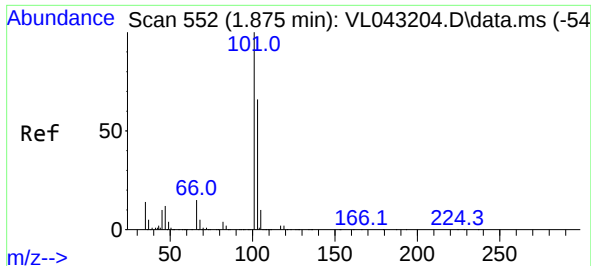
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#10
Heptane
Concen: 8.906 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 43 Resp: 158256
Ion Ratio Lower Upper
43 100
57 50.2 39.7 59.5





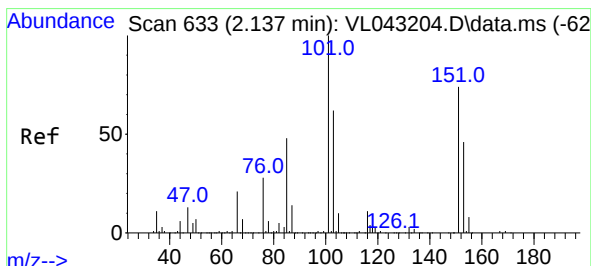
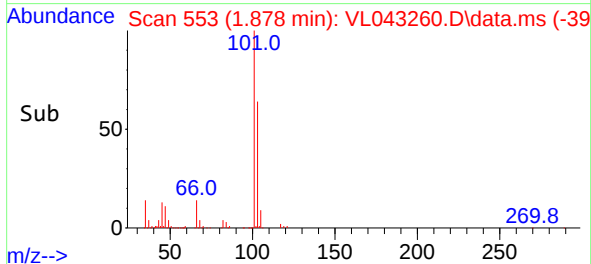
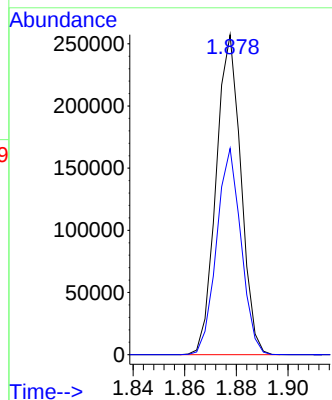
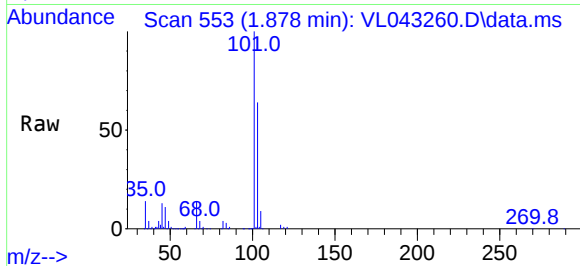
#11
Trichlorofluoromethane
Concen: 12.384 ppbv
RT: 1.878 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion:101 Resp: 171548
Ion Ratio Lower Upper
101 100
103 64.5 52.6 79.0

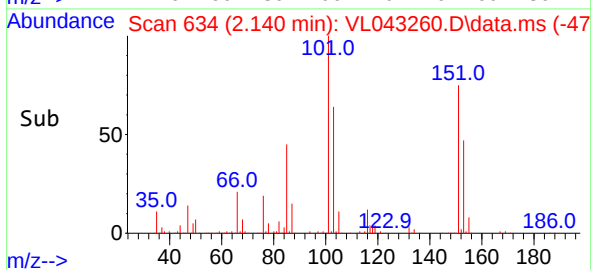
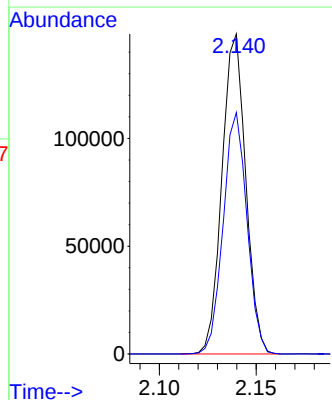
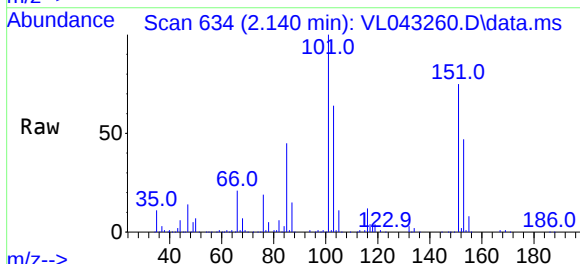
Manual Integrations
APPROVED

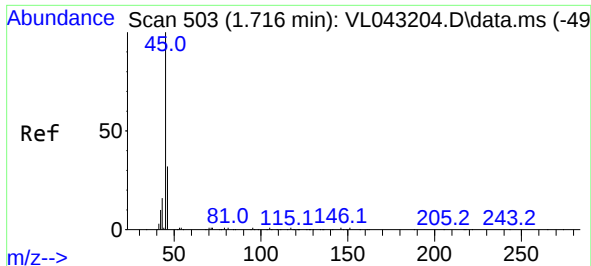
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.726 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:101 Resp: 126812
Ion Ratio Lower Upper
101 100
151 75.2 59.2 88.8





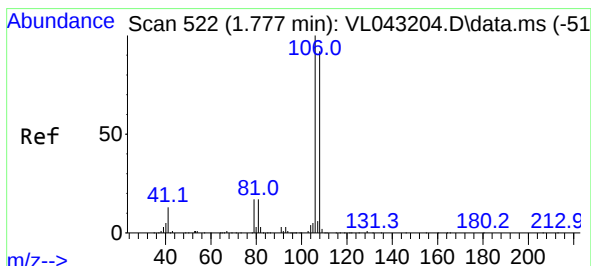
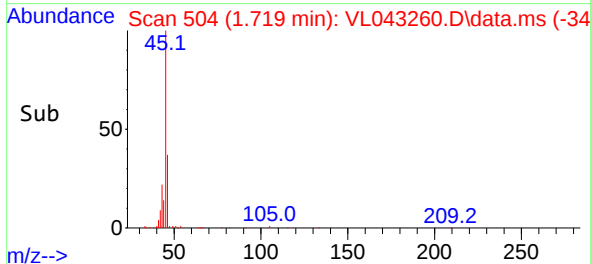
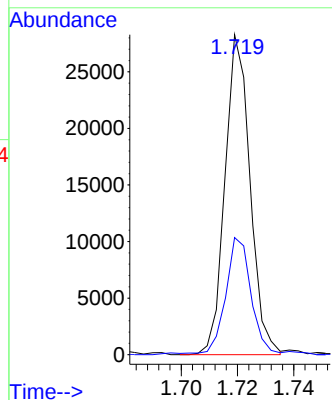
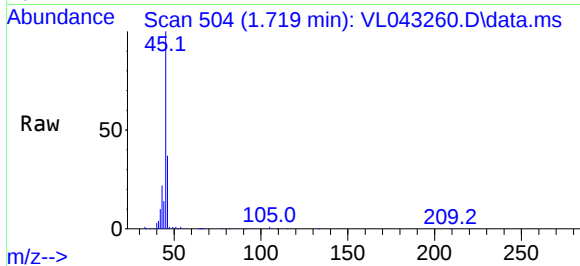
#13
Ethanol
Concen: 8.323 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 45 Resp: 17475
Ion Ratio Lower Upper
45 100
46 38.3 15.0 59.8

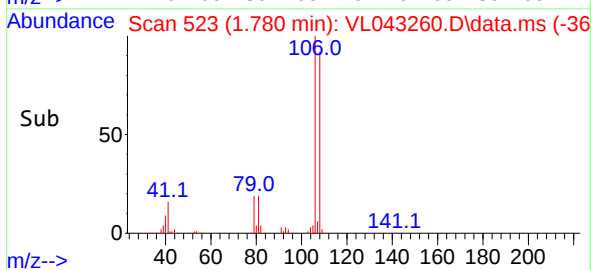
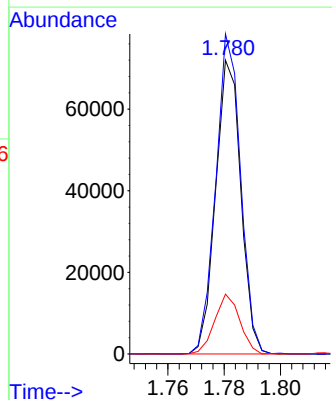
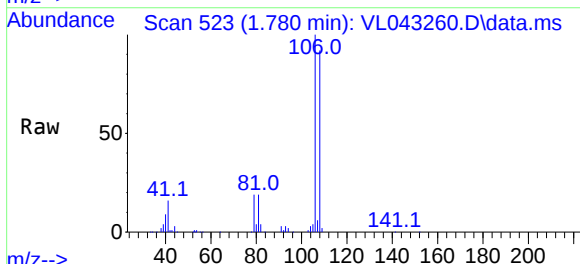
Manual Integrations
APPROVED

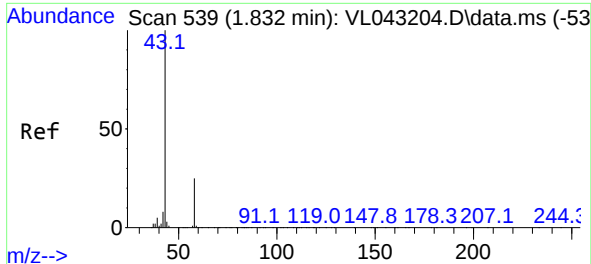
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#14
Bromoethene
Concen: 10.813 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

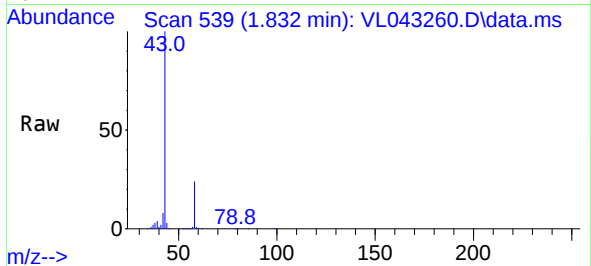
Tgt Ion:108 Resp: 44833
Ion Ratio Lower Upper
108 100
106 107.3 88.9 133.3
79 20.4 16.5 24.7





#15
Acetone
Concen: 8.497 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

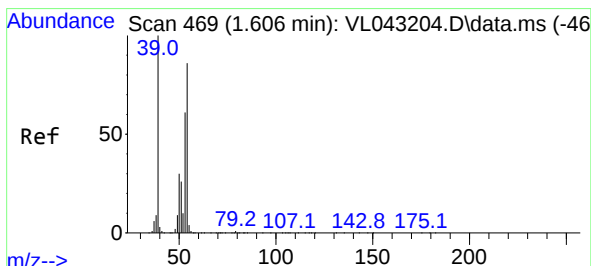
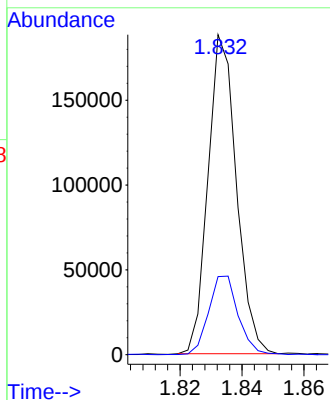
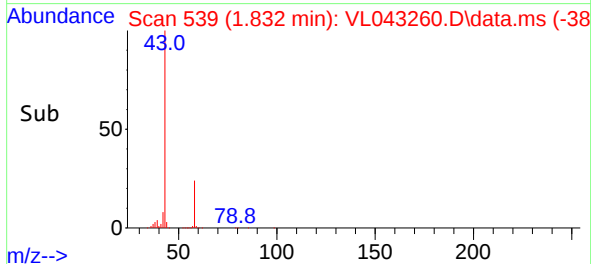
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



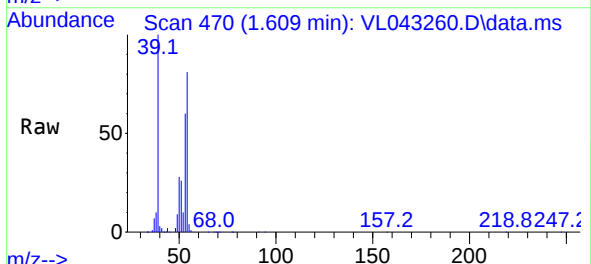
Tgt Ion: 43 Resp: 119678
Ion Ratio Lower Upper
43 100
58 25.9 20.7 31.1

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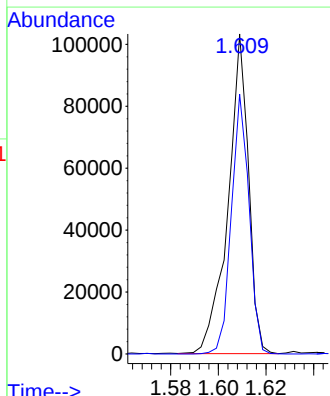
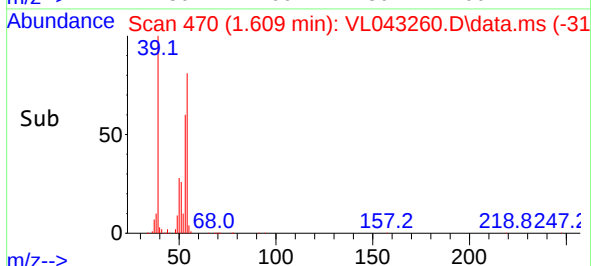
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

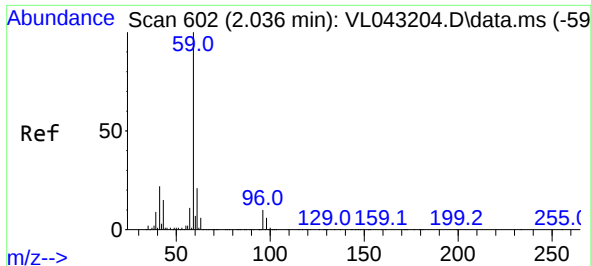


#16
1,3-Butadiene
Concen: 9.828 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07



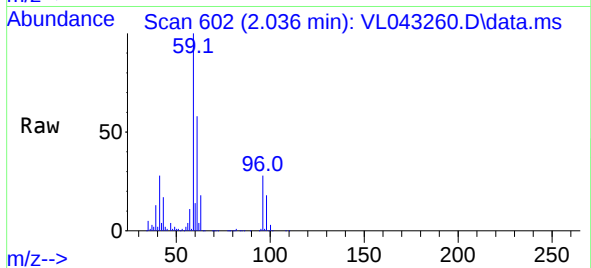
Tgt Ion: 39 Resp: 61711
Ion Ratio Lower Upper
39 100
54 70.0 59.4 89.2





#17
tert-Butyl alcohol
Concen: 9.268 ppbv
RT: 2.036 min Scan# 601
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

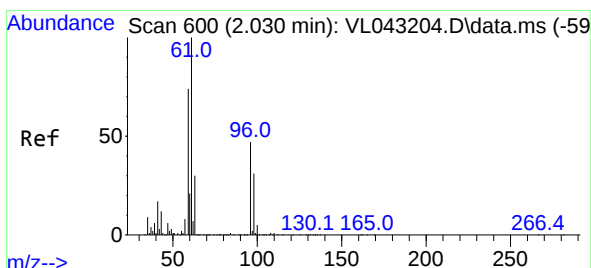
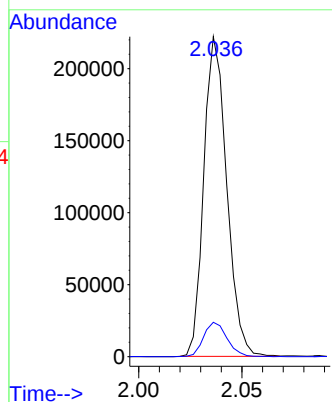
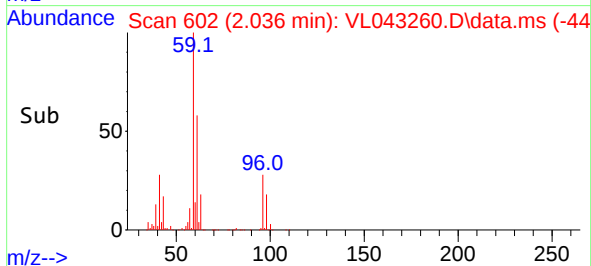
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



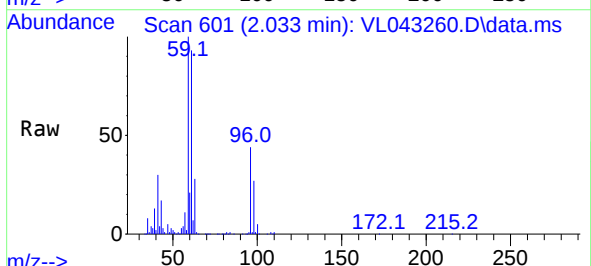
Tgt Ion: 59 Resp: 17133
Ion Ratio Lower Upper
59 100
57 11.0 9.0 13.4

Manual Integrations
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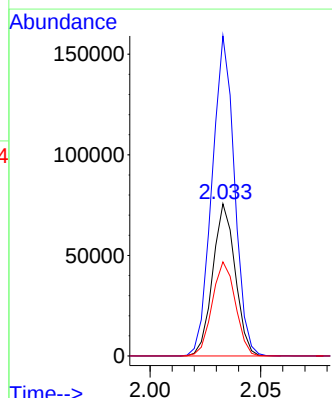
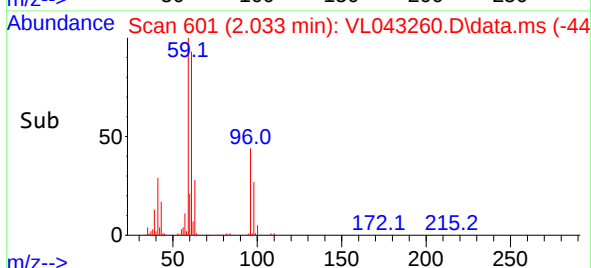
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

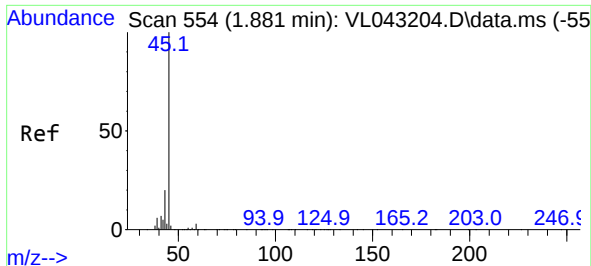


#18
1,1-Dichloroethene
Concen: 10.592 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07



Tgt Ion: 96 Resp: 53337
Ion Ratio Lower Upper
96 100
61 210.4 170.6 255.8
98 61.9 52.2 78.4





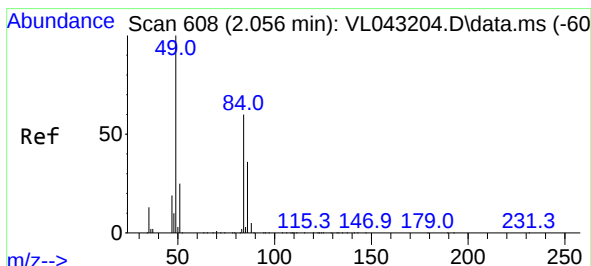
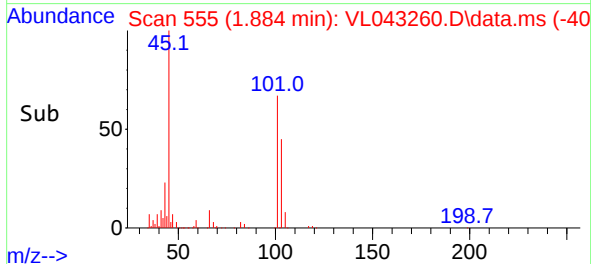
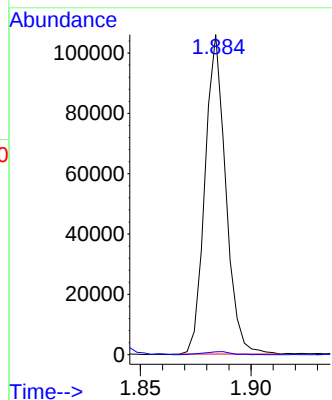
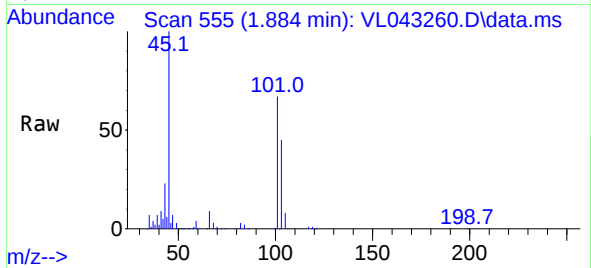
#19
Isopropyl Alcohol
Concen: 8.642 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 45 Resp: 6877
Ion Ratio Lower Upper
45 100
58 45.1 31.3 46.9

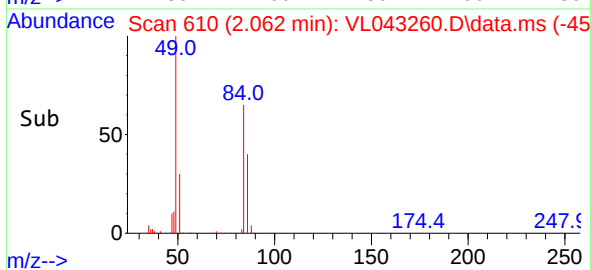
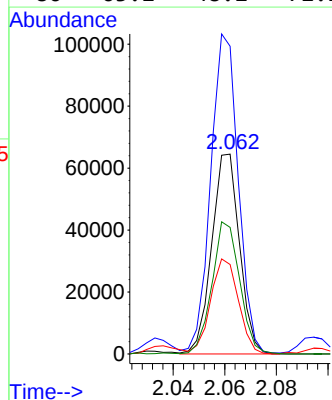
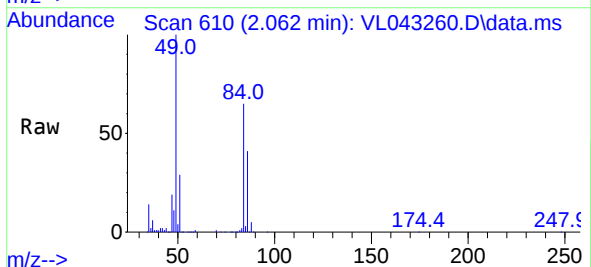
Manual Integrations
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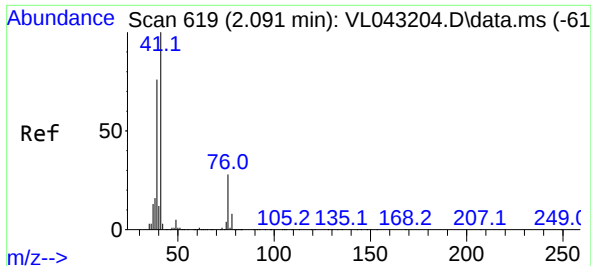
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#20
Methylene Chloride
Concen: 11.763 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 84 Resp: 48243
Ion Ratio Lower Upper
84 100
49 153.6 132.9 199.3
51 44.5 34.8 52.2
86 63.2 48.2 72.2





#21

Allyl Chloride

Concen: 8.808 ppbv

RT: 2.094 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL043260.D

Acq: 20 Nov 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

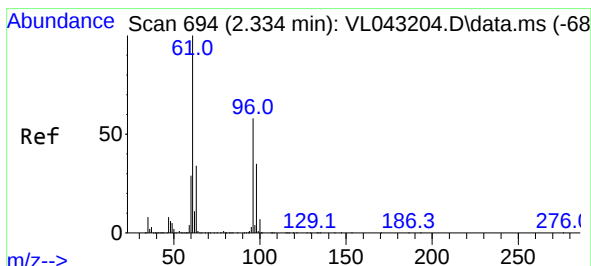
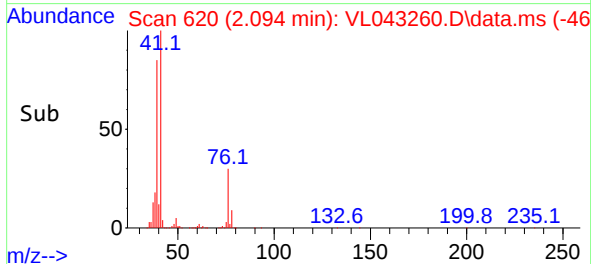
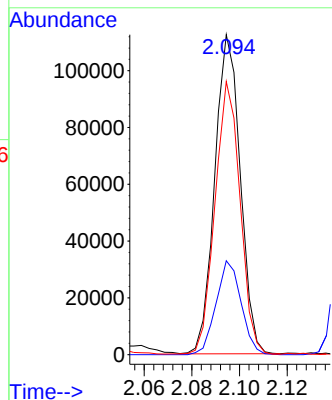
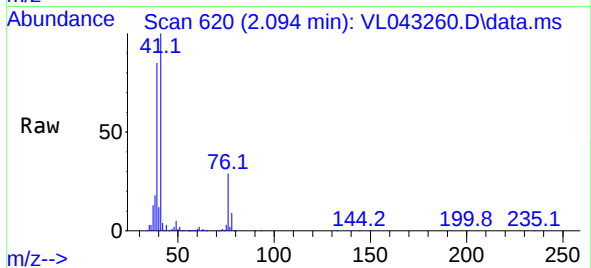
VL1120ABS01

Tgt Ion: 41	Resp: 83462
Ion Ratio	Lower Upper
41 100	
76 29.0	22.1 33.1
39 84.2	61.0 91.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#22

trans-1,2-Dichloroethene

Concen: 10.647 ppbv

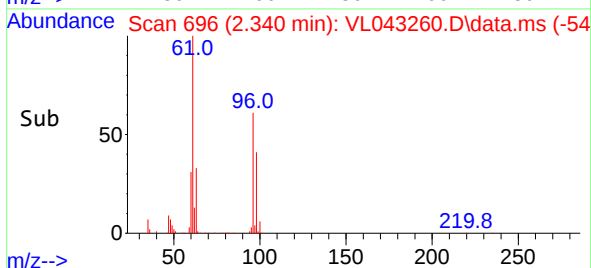
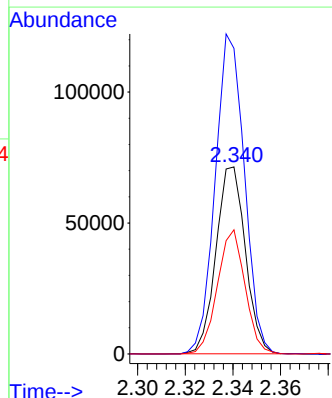
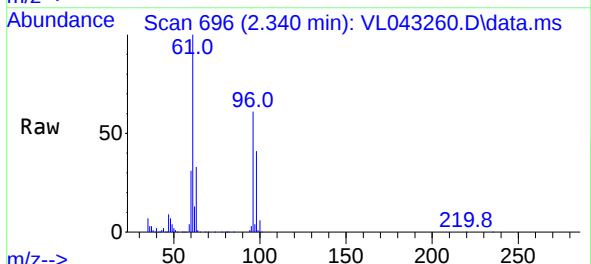
RT: 2.340 min Scan# 696

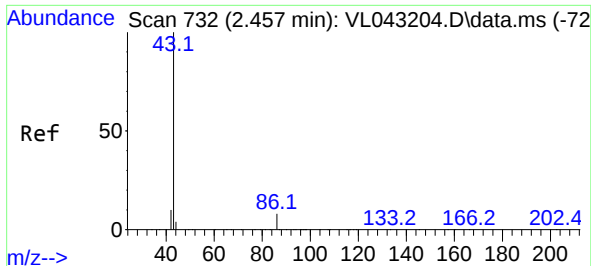
Delta R.T. 0.006 min

Lab File: VL043260.D

Acq: 20 Nov 2025 12:07

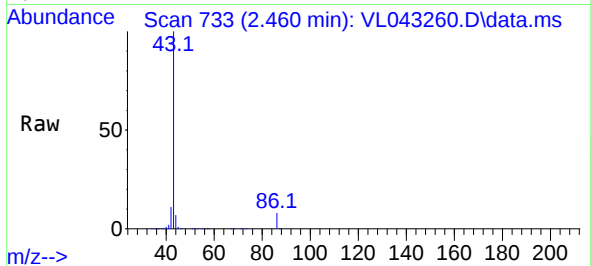
Tgt Ion: 96	Resp: 61279
Ion Ratio	Lower Upper
96 100	
61 163.5	139.0 208.6
98 66.4	49.4 74.2





#23
 Vinyl Acetate
 Concen: 8.393 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL043260.D
 Acq: 20 Nov 2025 12:07

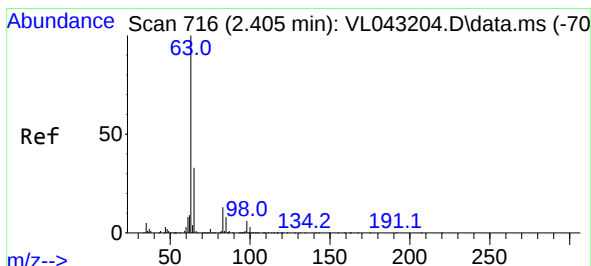
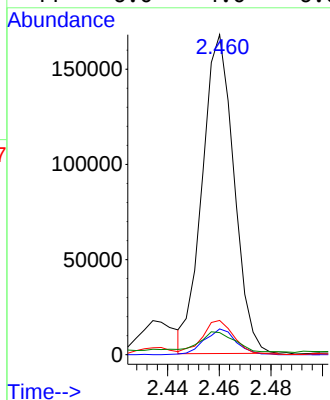
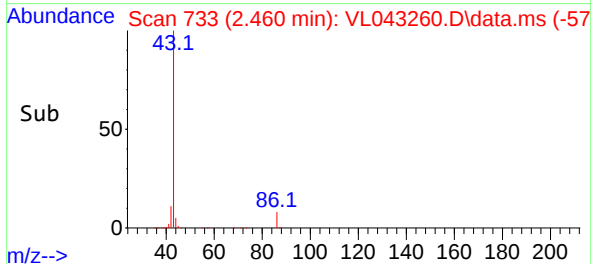
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01



Tgt Ion: 43 Resp: 142709
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.2 9.2
 42 10.6 8.0 12.0
 44 6.0 4.0 6.0

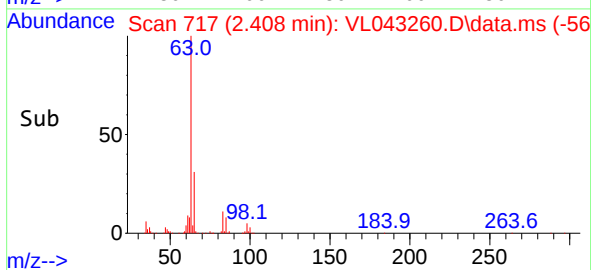
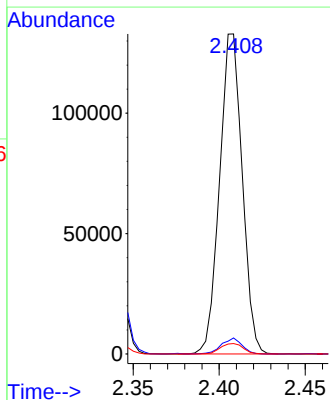
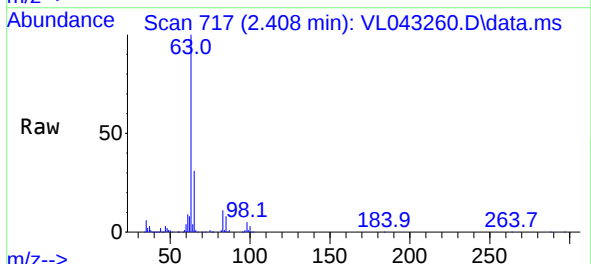
Manual Integrations
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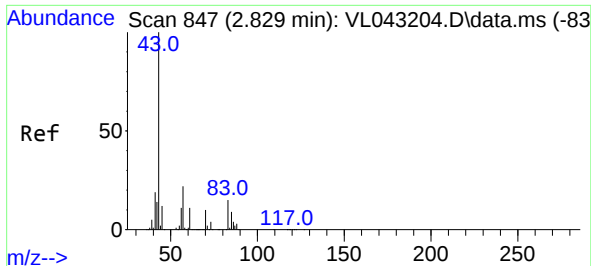
Reviewed By :Semsettin Yesilyurt 11/21/2025
 Supervised By :Mahesh Dadoda 11/21/2025



#24
 1,1-Dichloroethane
 Concen: 10.962 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL043260.D
 Acq: 20 Nov 2025 12:07

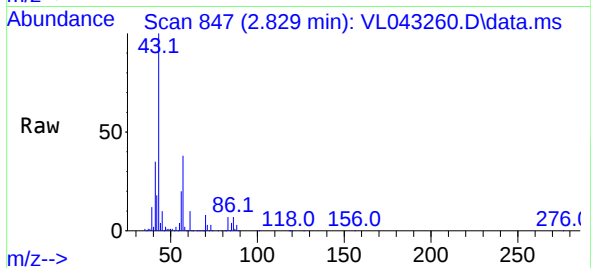
Tgt Ion: 63 Resp: 121792
 Ion Ratio Lower Upper
 63 100
 98 5.0 2.8 8.4
 100 3.3 1.3 3.9





#25
Ethyl Acetate
Concen: 9.262 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

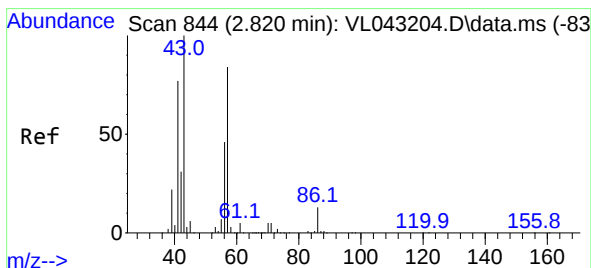
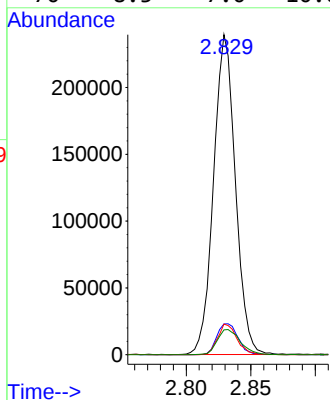
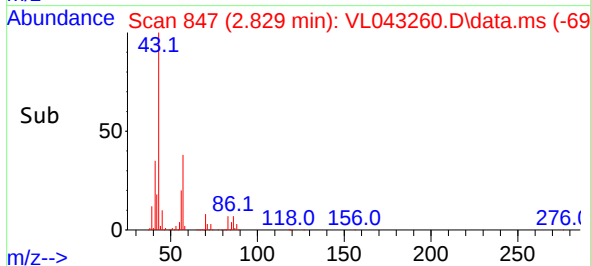
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



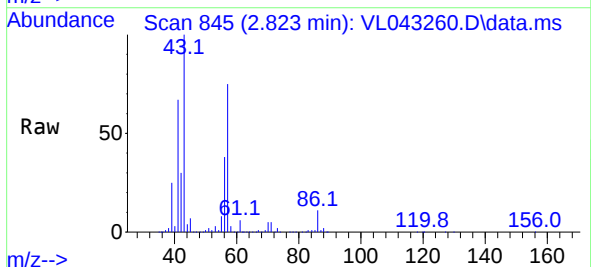
Tgt Ion: 43 Resp: 281330
Ion Ratio Lower Upper
43 100
45 9.5 8.1 12.1
61 8.5 7.0 10.4
70 8.3 7.0 10.6

Manual Integrations
APPROVED

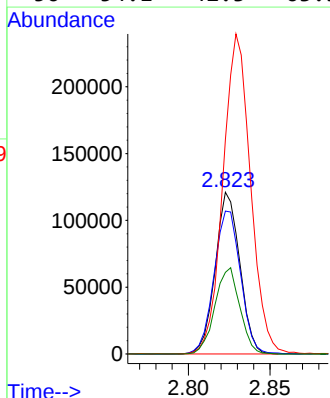
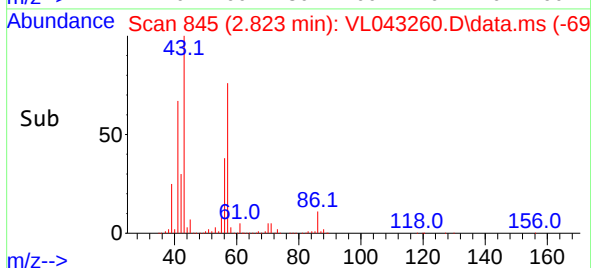
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

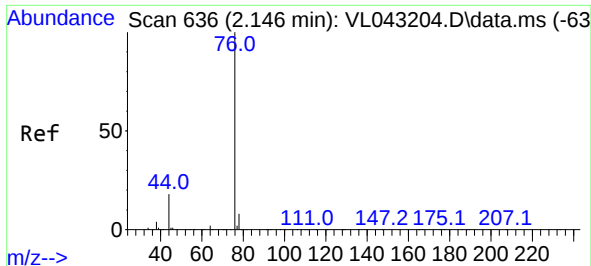


#26
Hexane
Concen: 9.501 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07



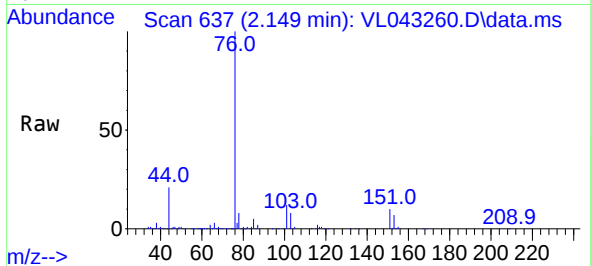
Tgt Ion: 57 Resp: 126532
Ion Ratio Lower Upper
57 100
41 95.8 74.6 111.8
43 224.0 179.0 268.4
56 54.1 42.3 63.5





#27
Carbon Disulfide
Concen: 10.942 ppbv
RT: 2.149 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

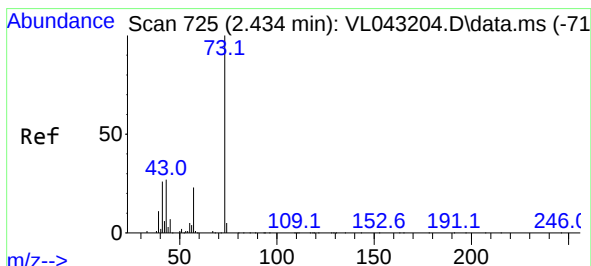
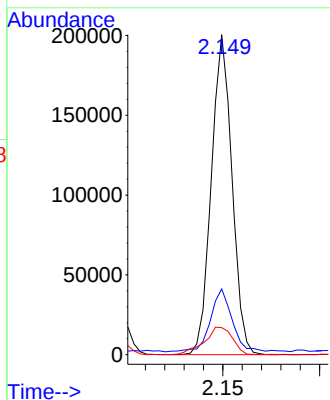
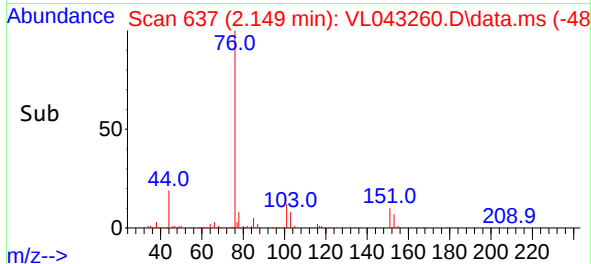
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



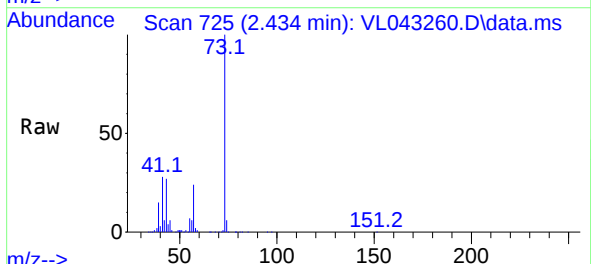
Tgt Ion: 76 Resp: 148765
Ion Ratio Lower Upper
76 100
44 20.0 16.1 24.1
78 11.8 9.6 14.4

Manual Integrations
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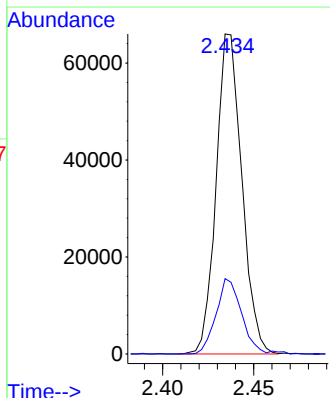
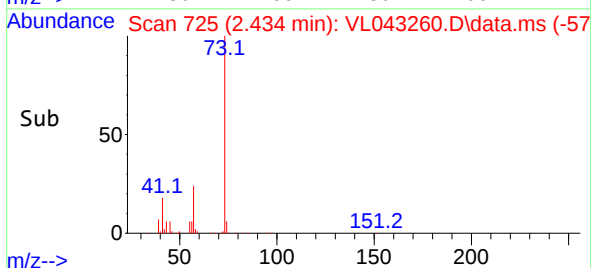
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

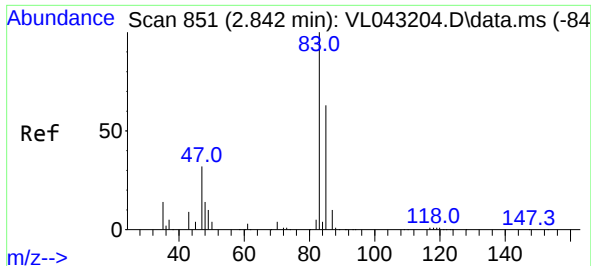


#28
Methyl tert-Butyl Ether
Concen: 9.894 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07



Tgt Ion: 73 Resp: 64675
Ion Ratio Lower Upper
73 100
57 23.6 19.8 29.8





#29

Chloroform

Concen: 11.652 ppbv

RT: 2.845 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL043260.D

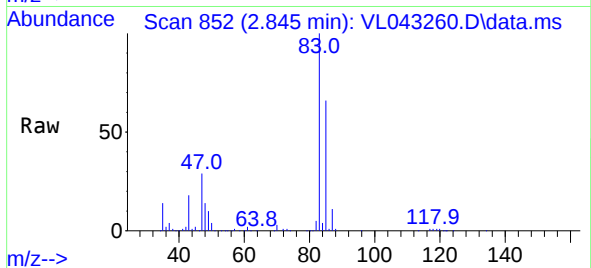
Acq: 20 Nov 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01



Tgt Ion: 83 Resp: 22056

Ion Ratio Lower Upper

83 100

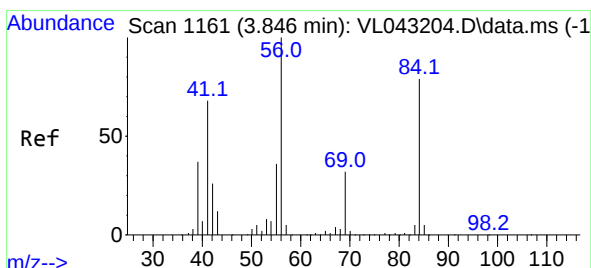
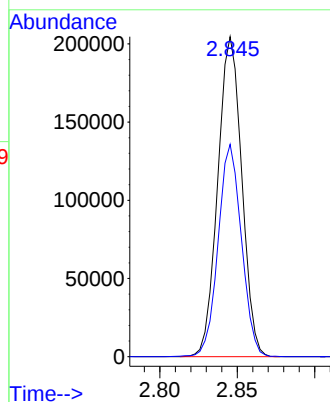
85 66.3 50.5 75.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/21/2025

Supervised By :Mahesh Dadoda 11/21/2025



#30

Cyclohexane

Concen: 9.591 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. 0.006 min

Lab File: VL043260.D

Acq: 20 Nov 2025 12:07

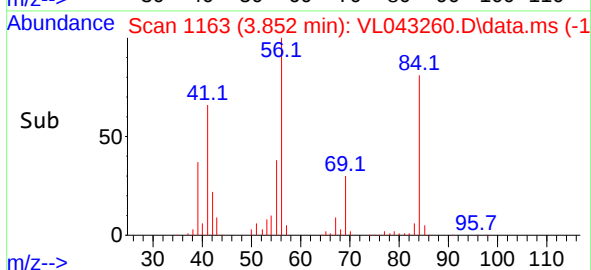
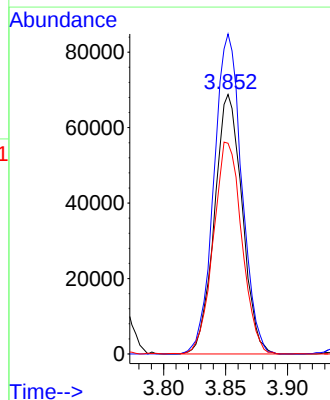
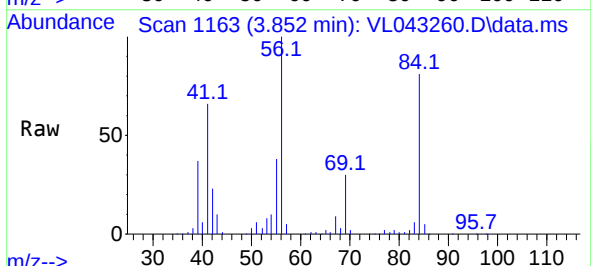
Tgt Ion: 84 Resp: 107088

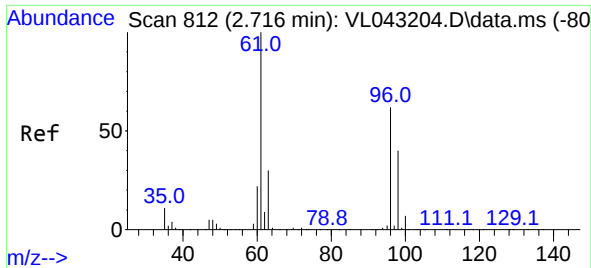
Ion Ratio Lower Upper

84 100

56 123.6 104.7 157.1

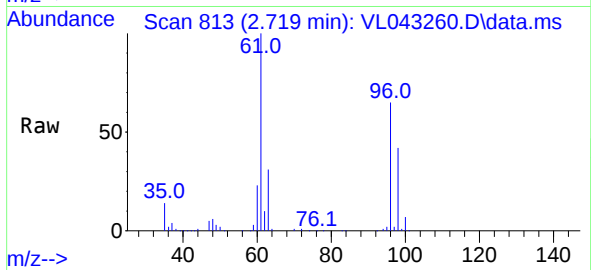
41 83.9 69.0 103.6





#31
cis-1,2-Dichloroethene
Concen: 9.953 ppbv
RT: 2.719 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

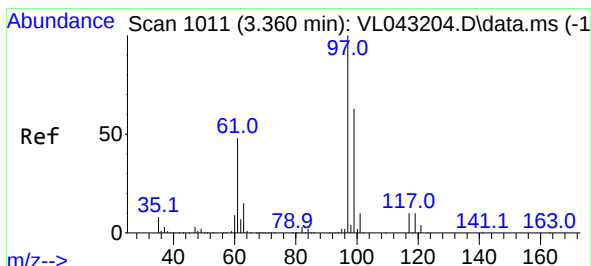
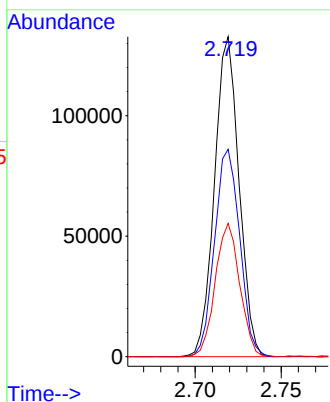
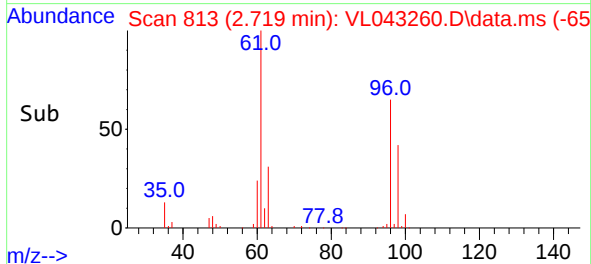
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



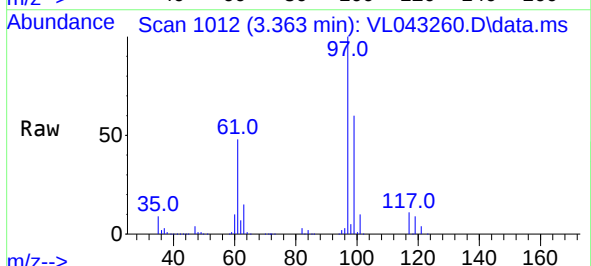
Tgt Ion: 61 Resp: 131740
Ion Ratio Lower Upper
61 100
96 64.8 49.3 73.9
98 41.7 32.1 48.1

Manual Integrations
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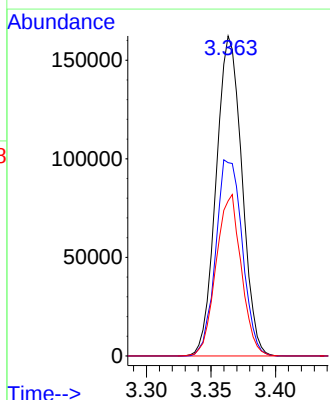
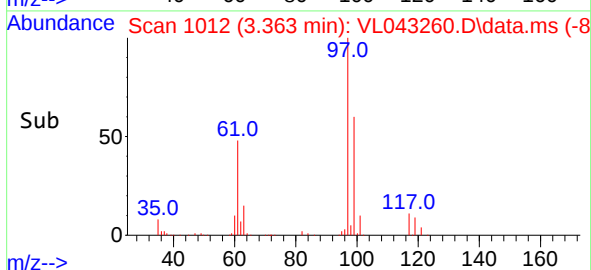
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

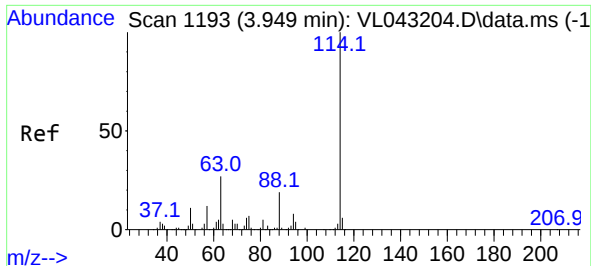


#32
1,1,1-Trichloroethane
Concen: 11.168 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07



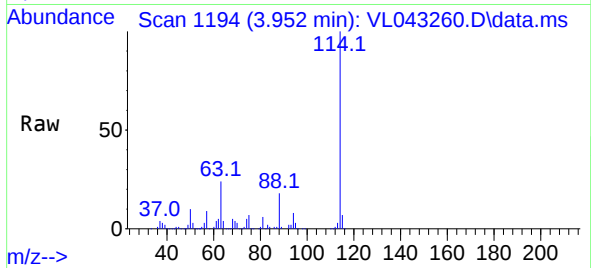
Tgt Ion: 97 Resp: 225329
Ion Ratio Lower Upper
97 100
99 63.2 50.3 75.5
61 49.5 38.9 58.3





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

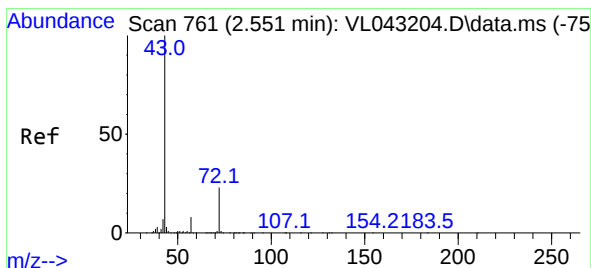
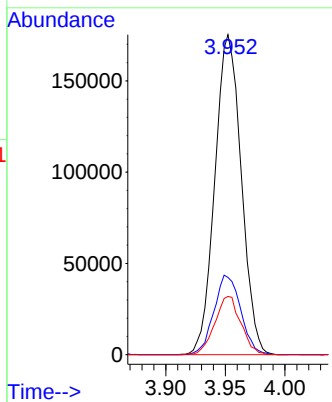
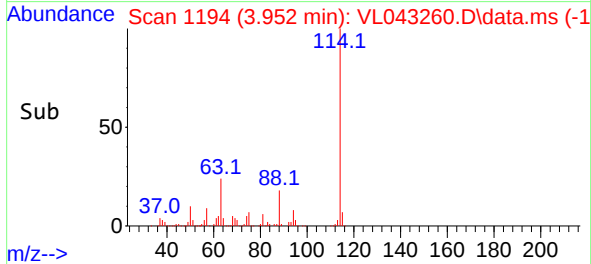
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



Tgt Ion:114 Resp: 270111
Ion Ratio Lower Upper
114 100
63 25.2 21.0 31.6
88 17.9 14.9 22.3

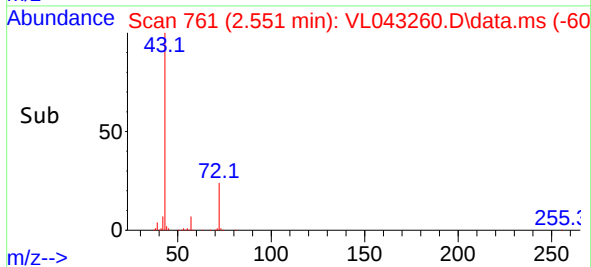
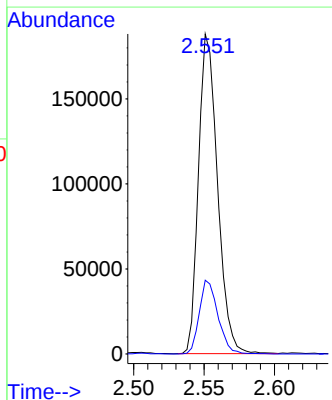
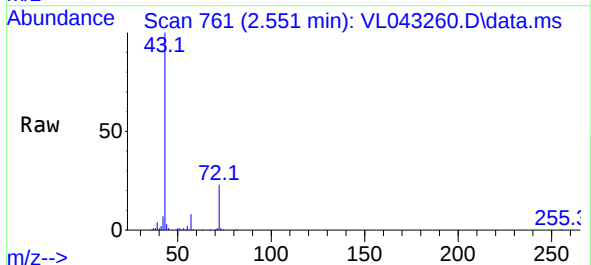
Manual Integrations
APPROVED

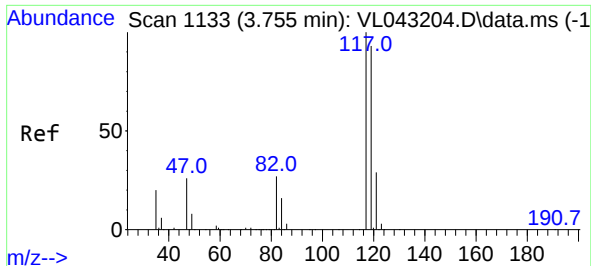
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#34
2-Butanone
Concen: 9.287 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

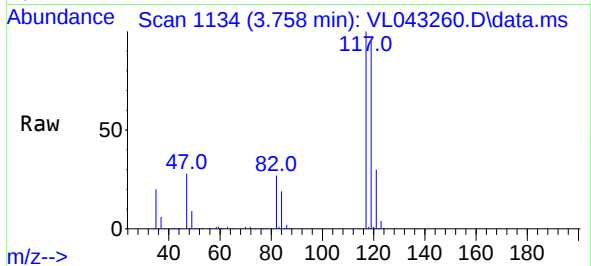
Tgt Ion: 43 Resp: 177069
Ion Ratio Lower Upper
43 100
72 22.7 18.1 27.1





#35
Carbon Tetrachloride
Concen: 11.515 ppbv
RT: 3.758 min Scan# 1133
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

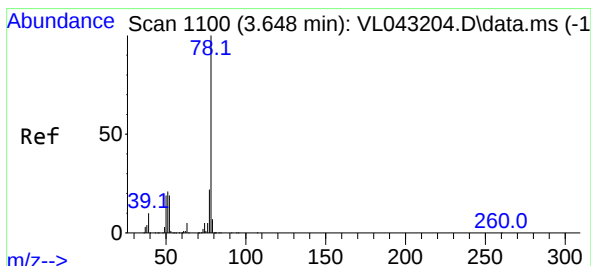
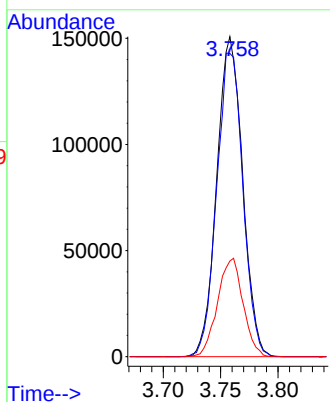
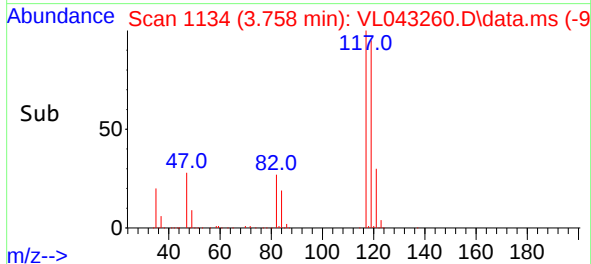
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



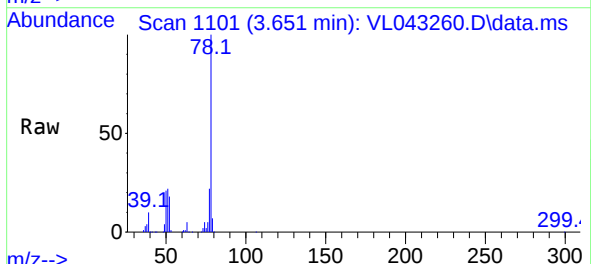
Tgt Ion: 117 Resp: 236089
Ion Ratio Lower Upper
117 100
119 94.7 74.6 112.0
121 29.9 23.2 34.8

Manual Integrations
APPROVED

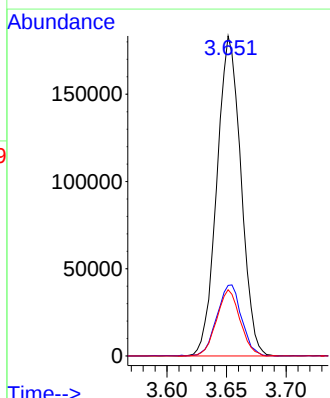
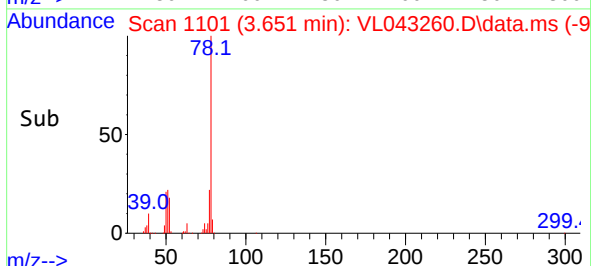
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

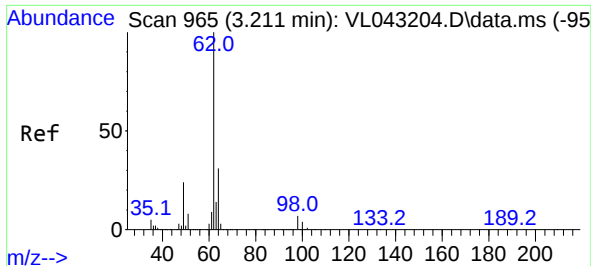


#36
Benzene
Concen: 9.954 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07



Tgt Ion: 78 Resp: 257481
Ion Ratio Lower Upper
78 100
77 22.1 17.5 26.3
50 20.7 15.5 23.3





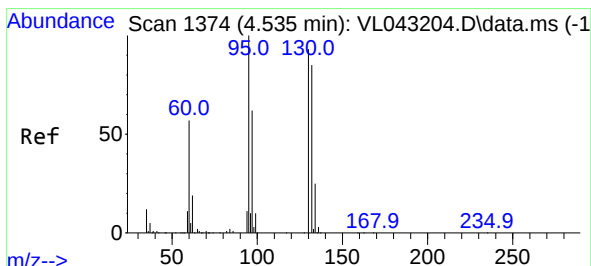
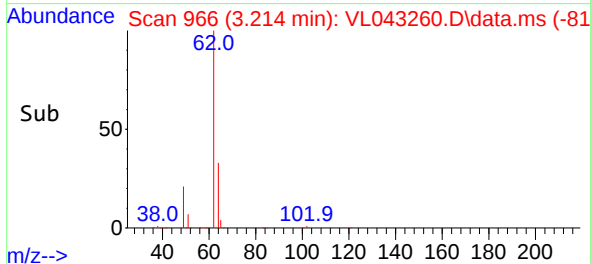
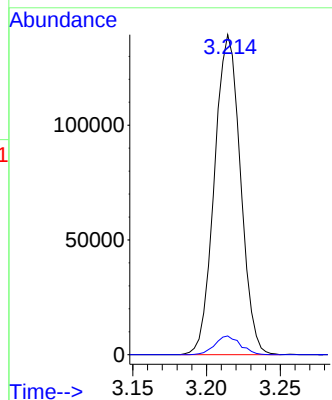
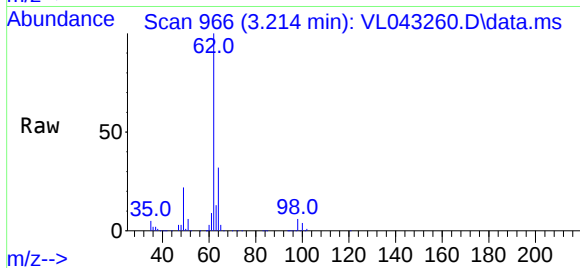
#37
1,2-Dichloroethane
Concen: 11.329 ppbv
RT: 3.214 min Scan# 966
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 62 Resp: 171410
Ion Ratio Lower Upper
62 100
98 5.7 5.5 8.3

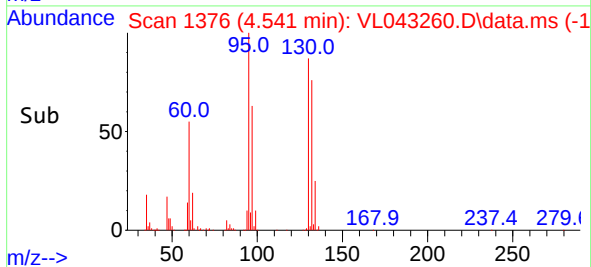
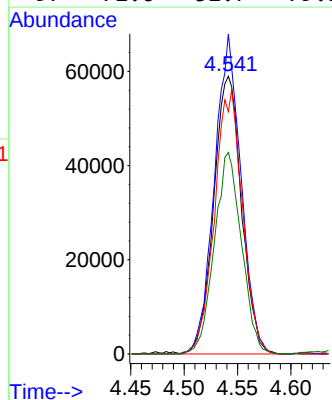
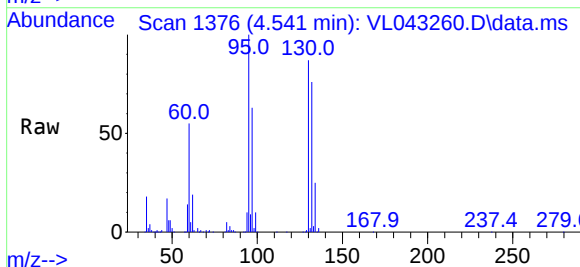
Manual Integrations
APPROVED

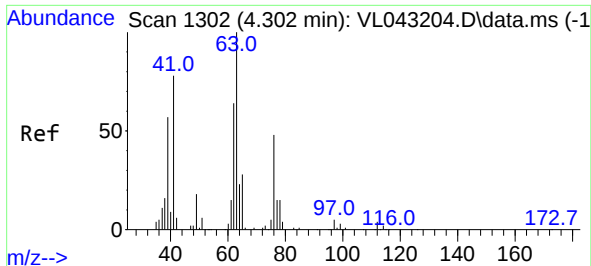
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#38
Trichloroethene
Concen: 10.582 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:130 Resp: 107097
Ion Ratio Lower Upper
130 100
95 115.2 85.7 128.5
132 87.2 73.4 110.0
97 72.6 52.7 79.1





#39

1,2-Dichloropropane

Concen: 9.724 ppbv

RT: 4.308 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL043260.D

Acq: 20 Nov 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

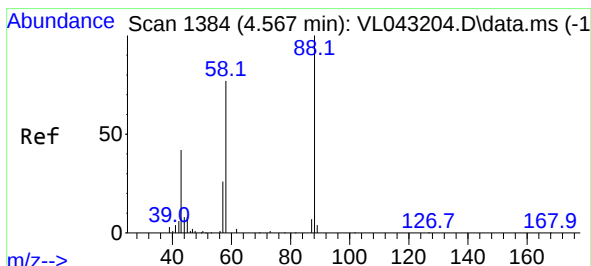
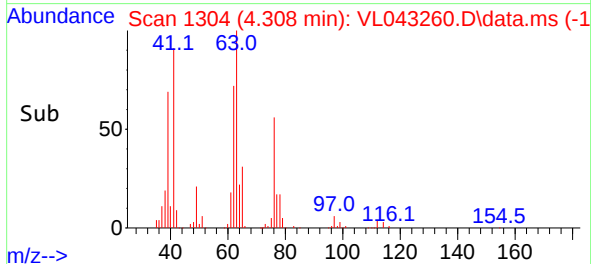
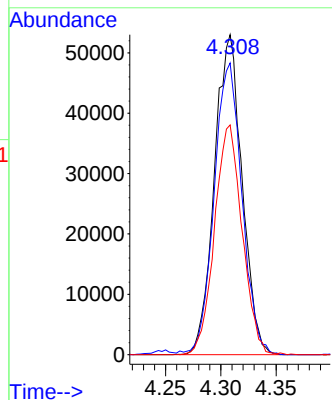
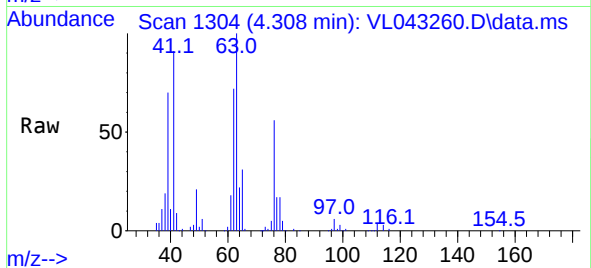
Tgt Ion: 63 Resp: 9206

Ion	Ratio	Lower	Upper
63	100		
41	91.1	62.6	93.8
62	71.8	51.0	76.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#40

1,4-Dioxane

Concen: 8.236 ppbv

RT: 4.570 min Scan# 1385

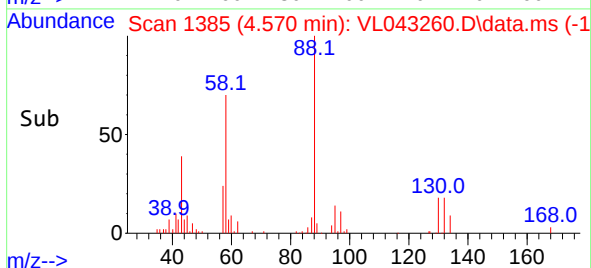
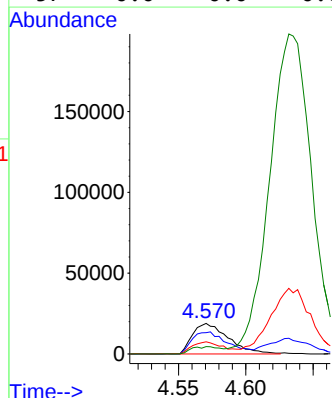
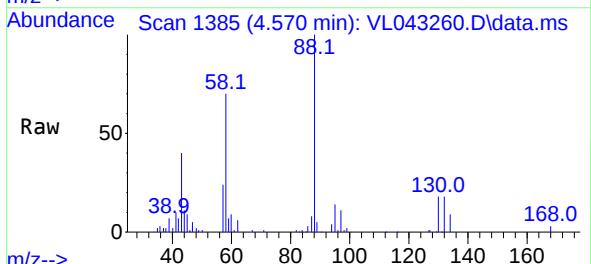
Delta R.T. 0.003 min

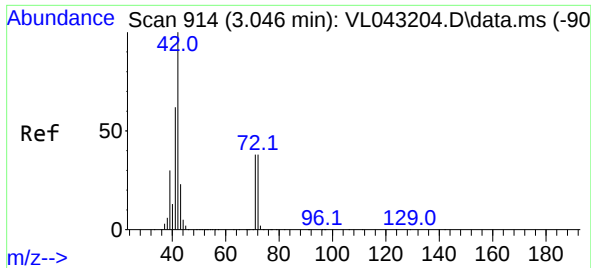
Lab File: VL043260.D

Acq: 20 Nov 2025 12:07

Tgt Ion: 88 Resp: 35055

Ion	Ratio	Lower	Upper
88	100		
58	72.0	63.0	94.6
43	36.6	32.5	48.7
57	0.0	0.0	0.0





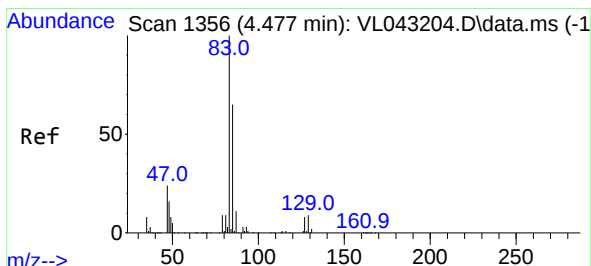
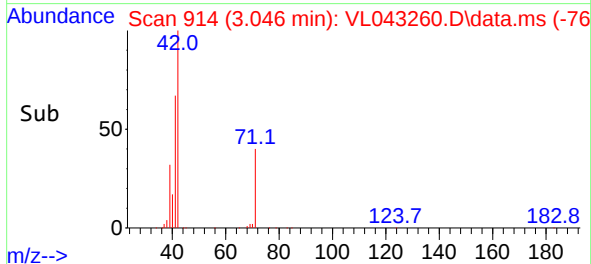
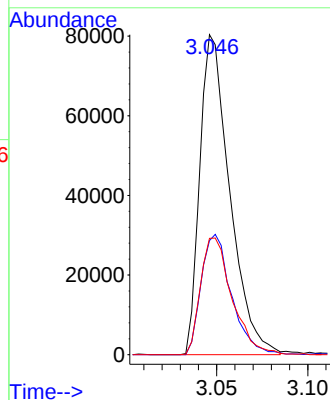
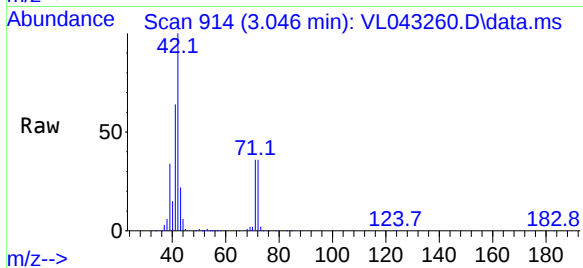
#41
Tetrahydrofuran
Concen: 8.739 ppbv
RT: 3.046 min Scan# 914
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 42 Resp: 92011
Ion Ratio Lower Upper
42 100
72 38.4 30.6 46.0
71 38.5 30.5 45.7

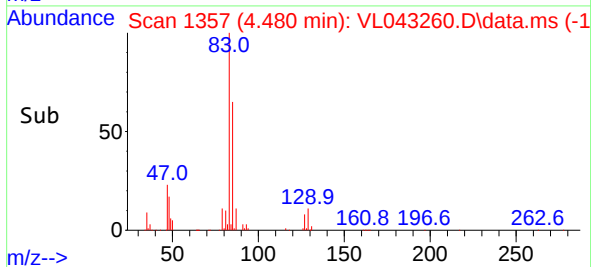
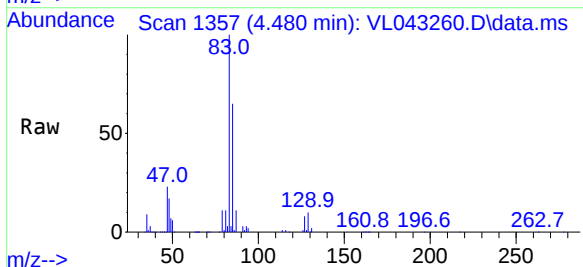
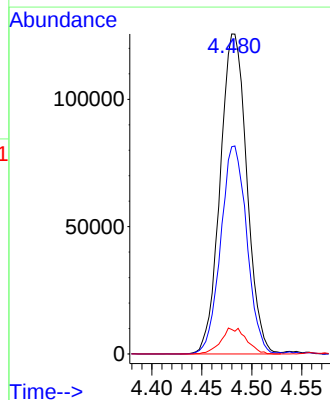
Manual Integrations
APPROVED

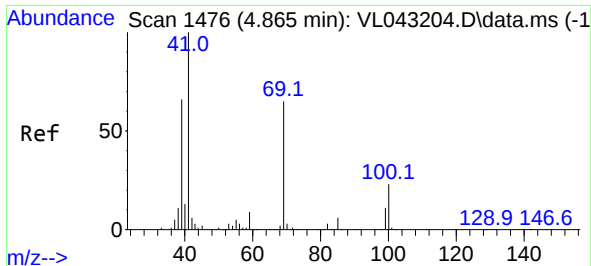
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#42
Bromodichloromethane
Concen: 11.161 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 83 Resp: 232959
Ion Ratio Lower Upper
83 100
85 64.7 51.7 77.5
127 7.6 6.3 9.5





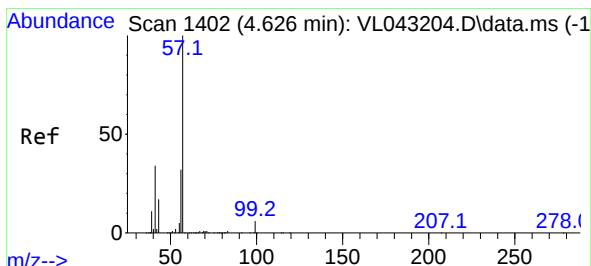
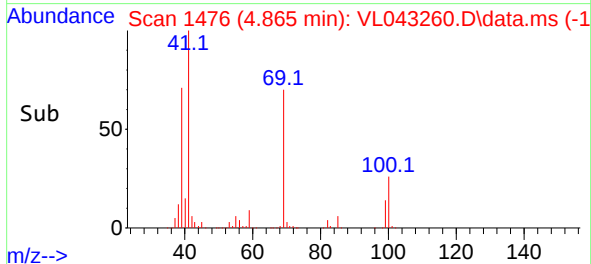
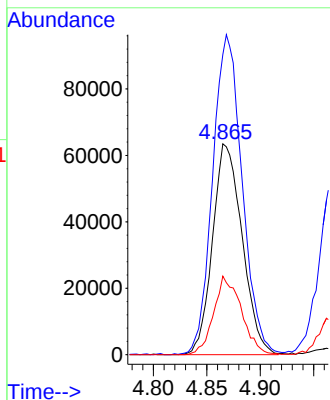
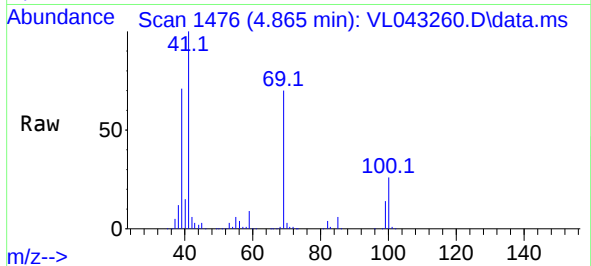
#43
Methyl Methacrylate
Concen: 8.920 ppbv
RT: 4.865 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 69 Resp: 12248
Ion Ratio Lower Upper
69 100
41 151.7 126.7 190.1
100 34.8 28.6 43.0

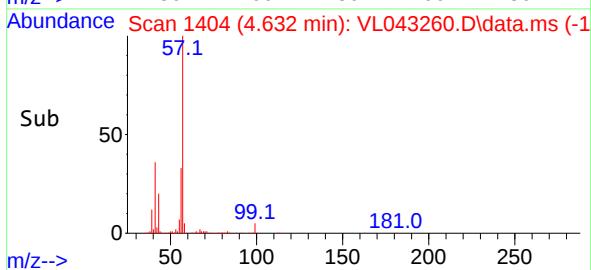
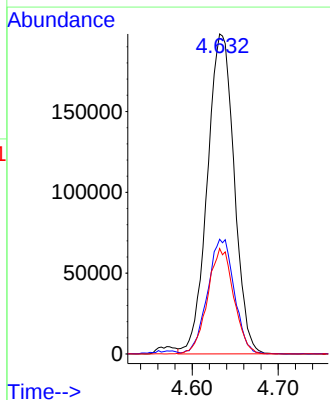
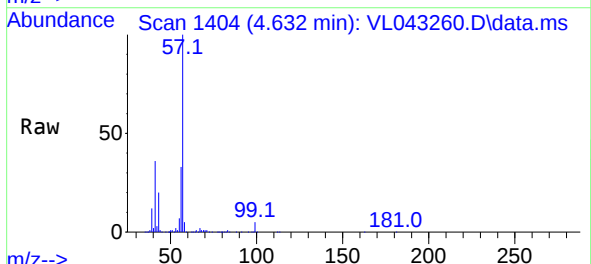
Manual Integrations
APPROVED

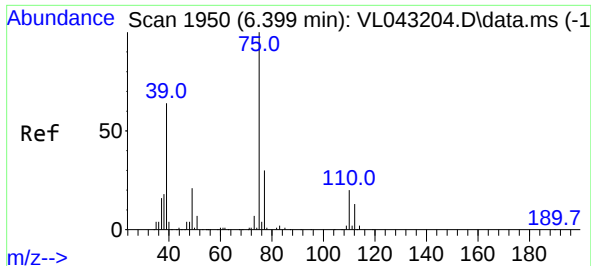
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#44
2,2,4-Trimethylpentane
Concen: 9.646 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

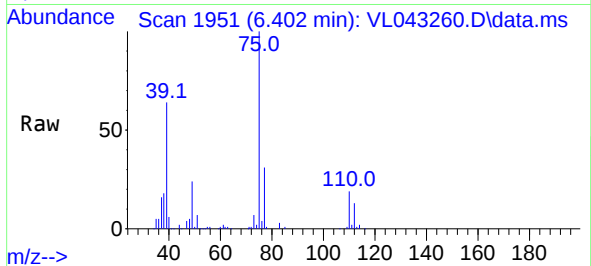
Tgt Ion: 57 Resp: 428558
Ion Ratio Lower Upper
57 100
41 36.7 28.0 42.0
56 32.2 25.6 38.4





#45
t-1,3-Dichloropropene
Concen: 7.511 ppbv
RT: 6.402 min Scan# 1950
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

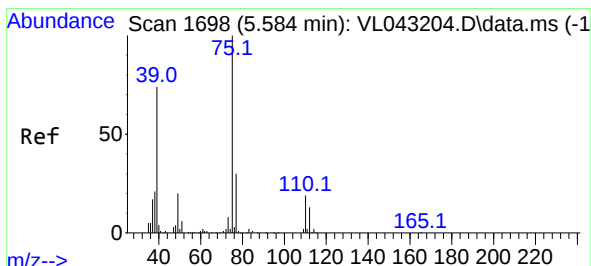
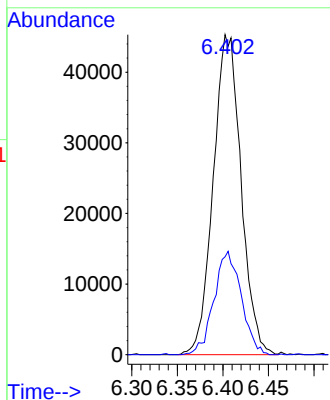
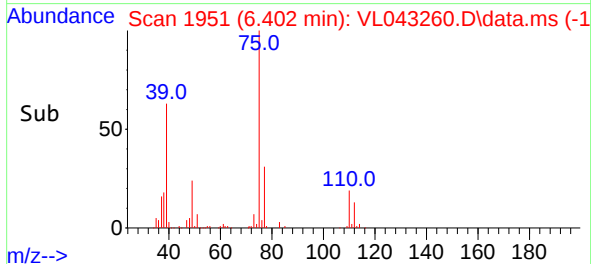
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



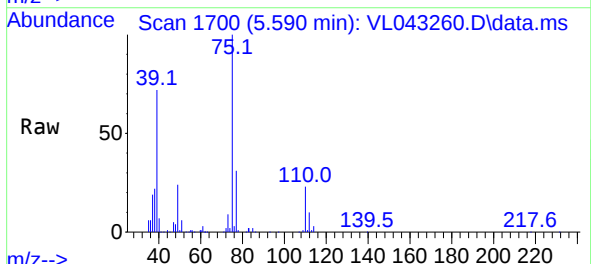
Tgt Ion: 75 Resp: 96138
Ion Ratio Lower Upper
75 100
77 30.6 24.3 36.5

Manual Integrations
APPROVED

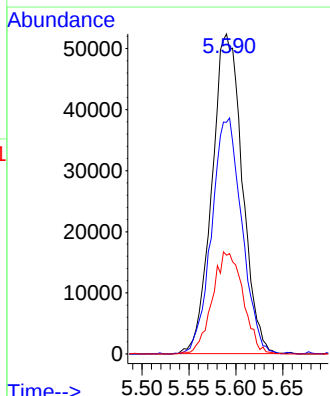
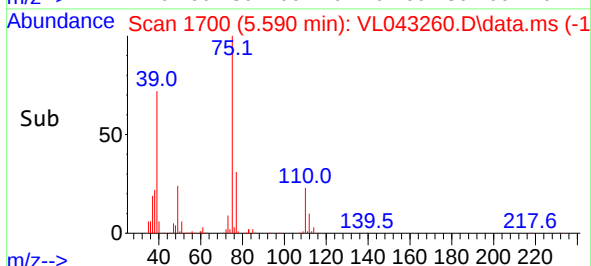
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

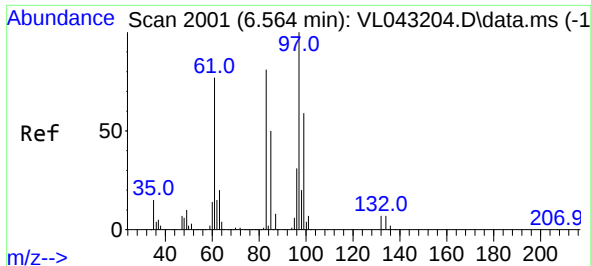


#46
cis-1,3-Dichloropropene
Concen: 7.810 ppbv
RT: 5.590 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07



Tgt Ion: 75 Resp: 117380
Ion Ratio Lower Upper
75 100
39 72.3 59.1 88.7
77 30.8 24.2 36.2





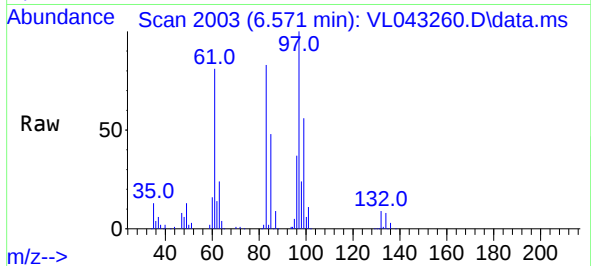
#47
1,1,2-Trichloroethane
Concen: 10.369 ppbv
RT: 6.571 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

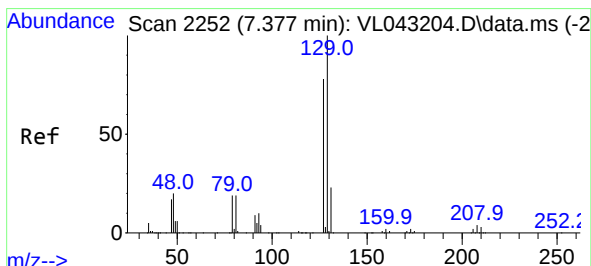
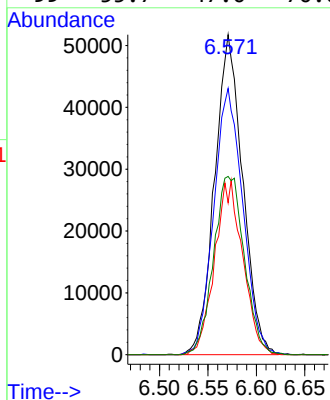
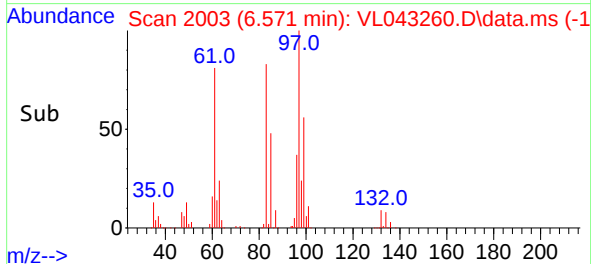


Tgt Ion: 97 Resp: 104185
Ion Ratio Lower Upper
97 100
83 83.2 64.6 97.0
85 47.5 39.4 59.2
99 55.7 47.0 70.6

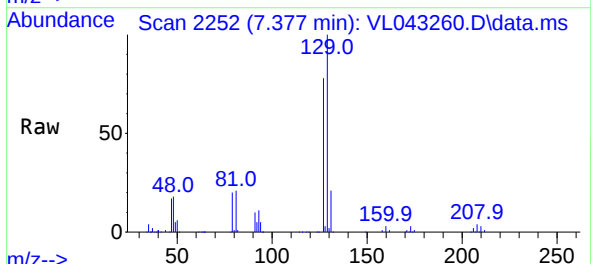
Manual Integrations

APPROVED

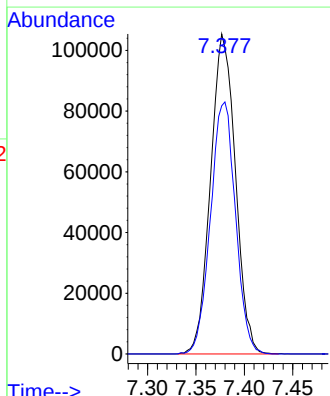
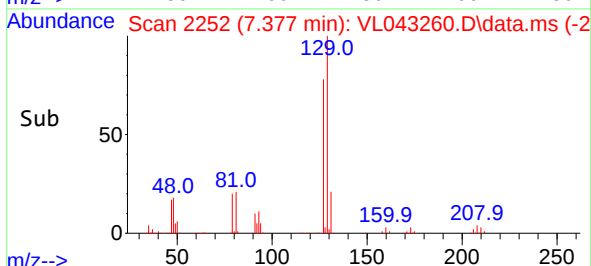
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

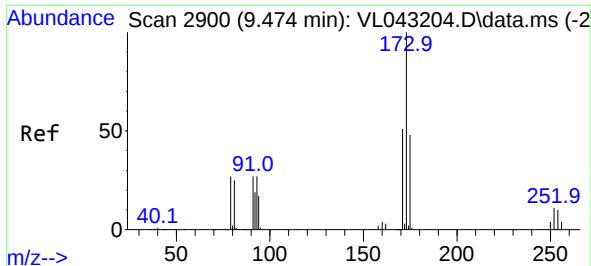


#48
Dibromochloromethane
Concen: 10.892 ppbv
RT: 7.377 min Scan# 2252
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07



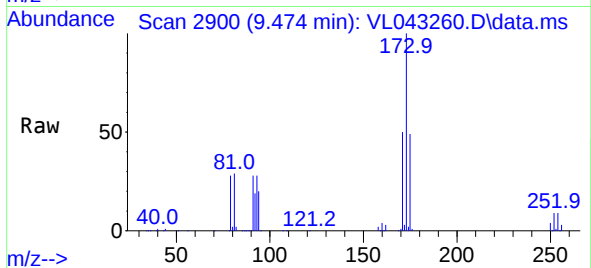
Tgt Ion:129 Resp: 188165
Ion Ratio Lower Upper
129 100
127 79.2 39.3 117.9





#49
Bromoform
Concen: 10.991 ppbv
RT: 9.474 min Scan# 2900
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

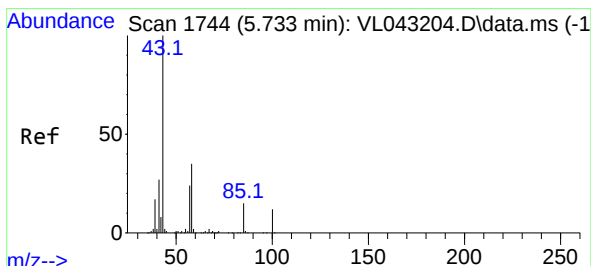
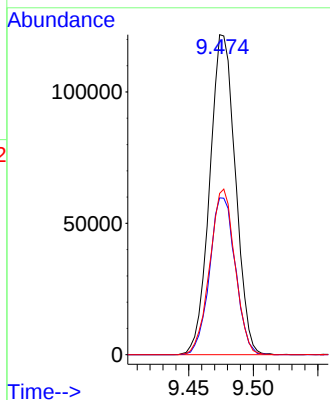
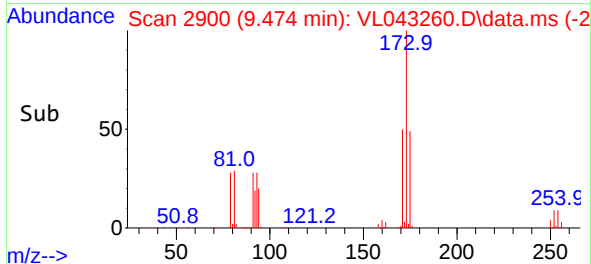
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



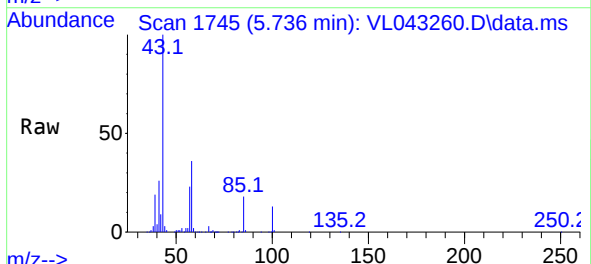
Tgt Ion:173 Resp: 16817
Ion Ratio Lower Upper
173 100
175 49.1 38.6 58.0
171 50.7 40.6 61.0

Manual Integrations
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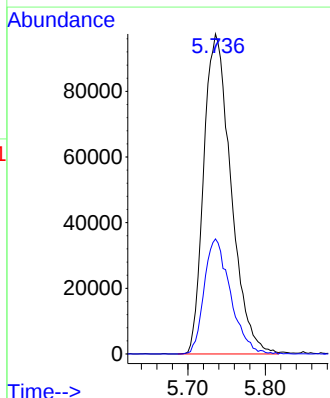
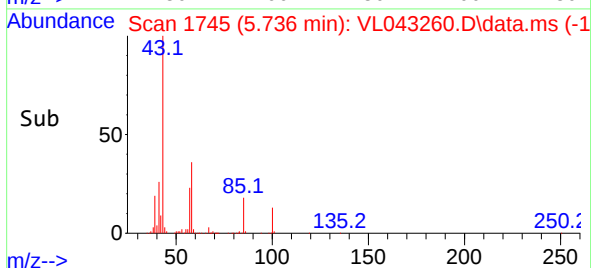
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

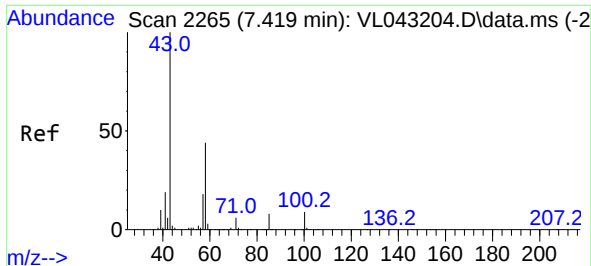


#50
4-Methyl-2-Pentanone
Concen: 8.859 ppbv
RT: 5.736 min Scan# 1745
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07



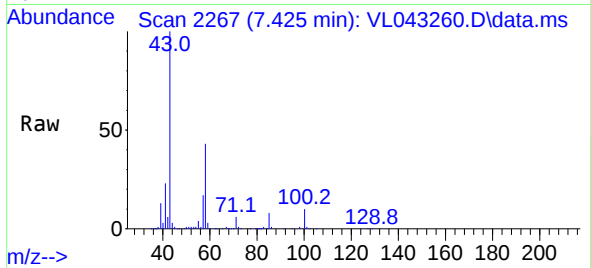
Tgt Ion: 43 Resp: 237956
Ion Ratio Lower Upper
43 100
58 34.8 28.4 42.6





#51
2-Hexanone
Concen: 8.187 ppbv
RT: 7.425 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

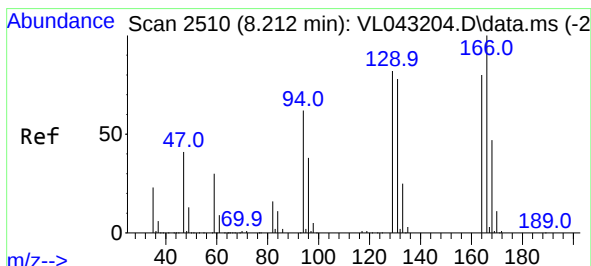
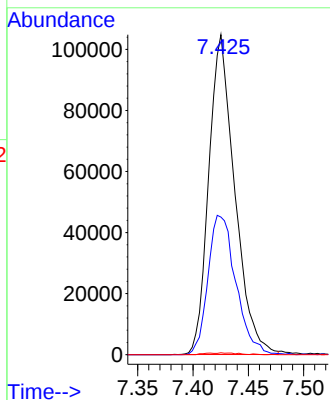
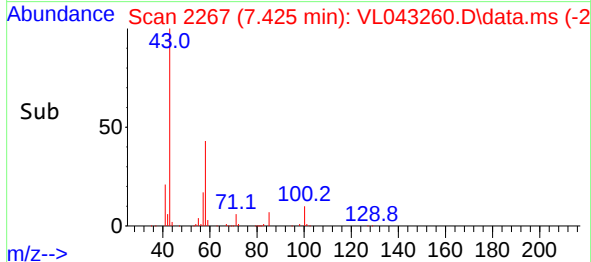
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



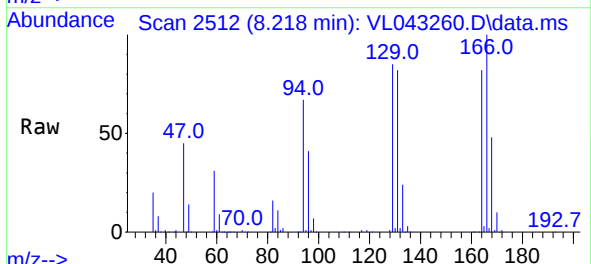
Tgt Ion: 43 Resp: 170769
Ion Ratio Lower Upper
43 100
58 47.0 38.4 57.6
98 0.7 0.0 0.0

Manual Integrations
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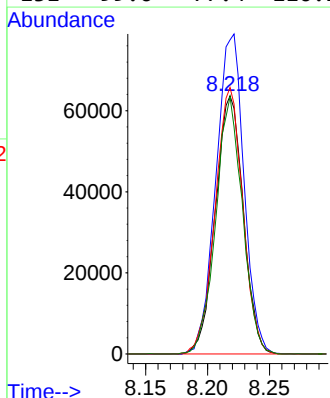
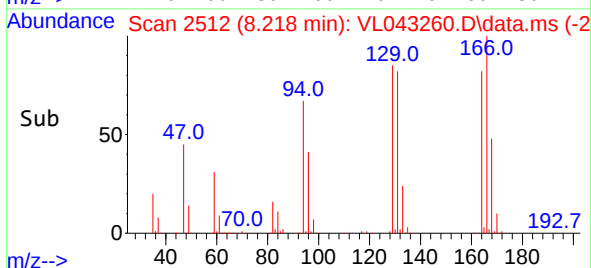
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

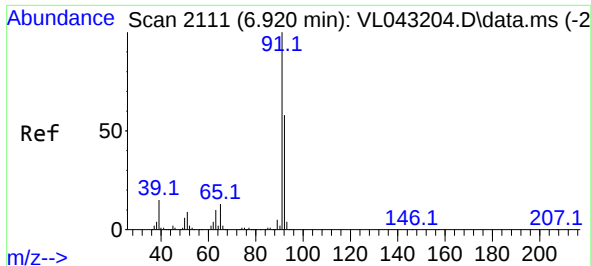


#52
Tetrachloroethene
Concen: 10.391 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07



Tgt Ion:164 Resp: 99982
Ion Ratio Lower Upper
164 100
166 121.7 99.4 149.2
129 103.2 81.8 122.8
131 99.6 77.4 116.2





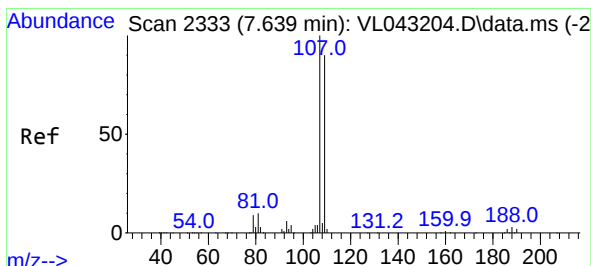
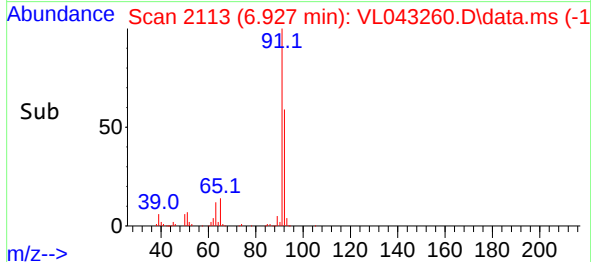
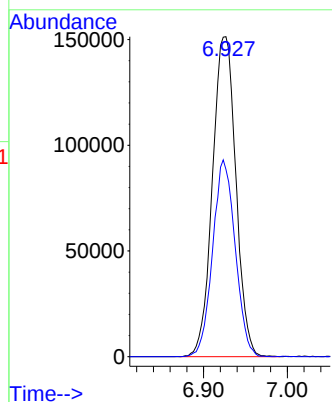
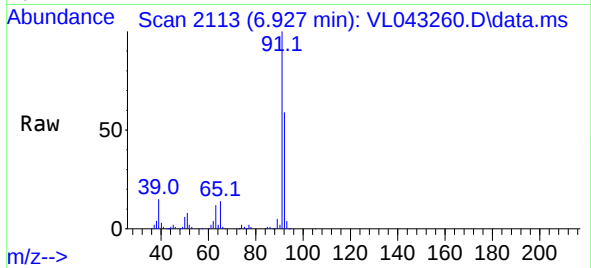
#53
Toluene
Concen: 9.614 ppbv
RT: 6.927 min Scan# 2111
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 91 Resp: 29448
Ion Ratio Lower Upper
91 100
92 59.2 47.4 71.0

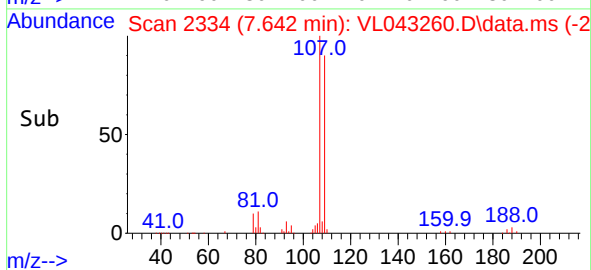
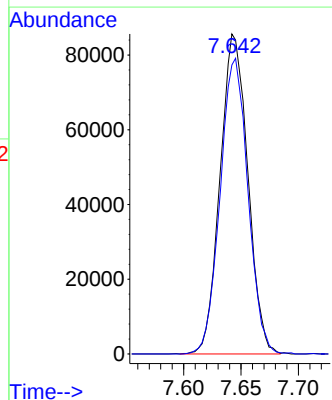
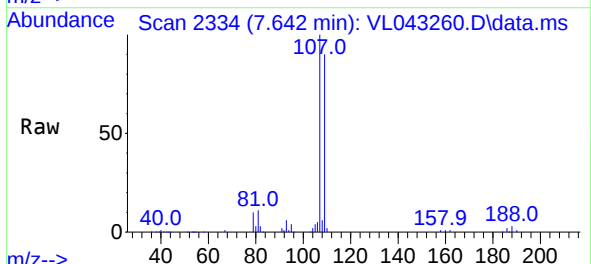
Manual Integrations
APPROVED

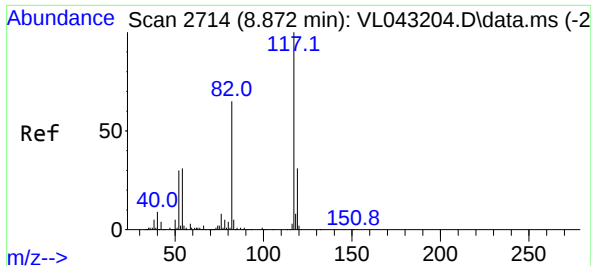
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#54
1,2-Dibromoethane
Concen: 9.720 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

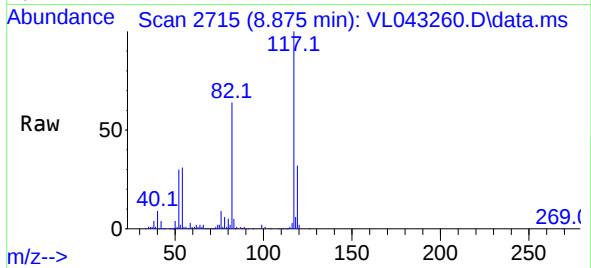
Tgt Ion:107 Resp: 143721
Ion Ratio Lower Upper
107 100
109 90.3 72.1 108.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21447
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

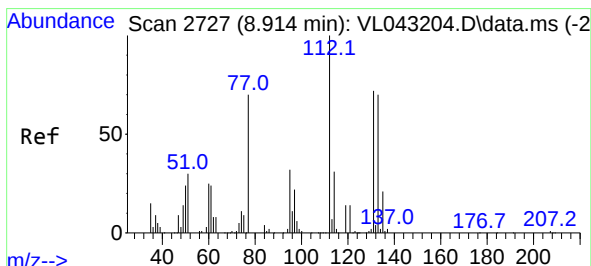
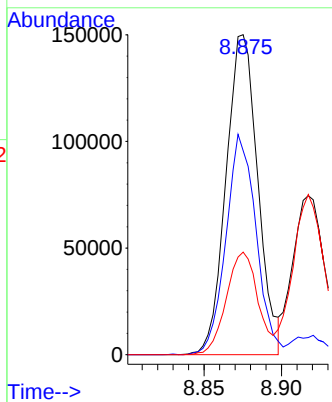
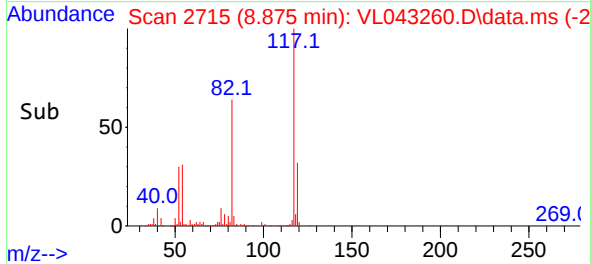
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



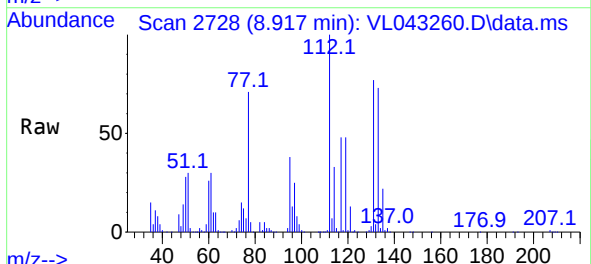
Tgt Ion:117 Resp: 21447
Ion Ratio Lower Upper
117 100
82 71.5 56.1 84.1
119 31.9 25.0 37.6

Manual Integrations
APPROVED

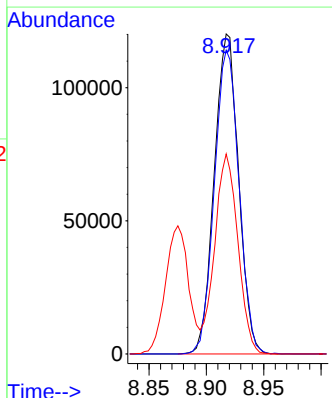
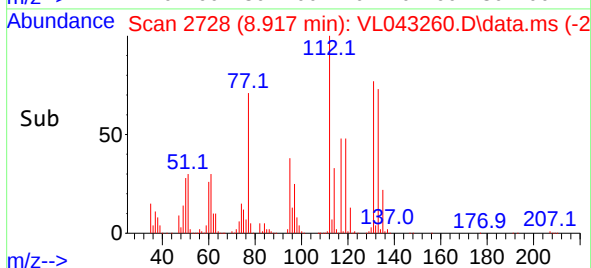
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

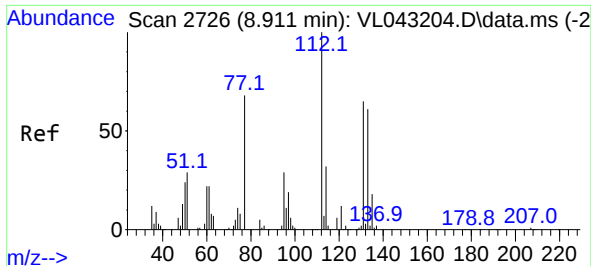


#56
1,1,1,2-Tetrachloroethane
Concen: 11.221 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07



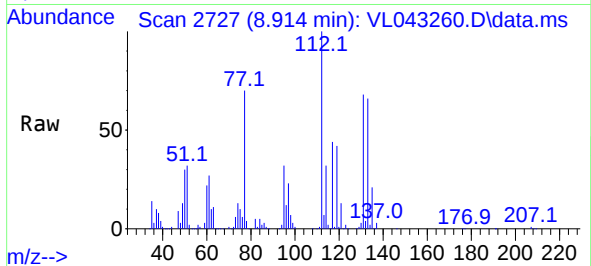
Tgt Ion:131 Resp: 176862
Ion Ratio Lower Upper
131 100
133 96.3 77.4 116.2
119 60.7 49.1 73.7





#57
Chlorobenzene
Concen: 10.664 ppbv
RT: 8.914 min Scan# 211
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

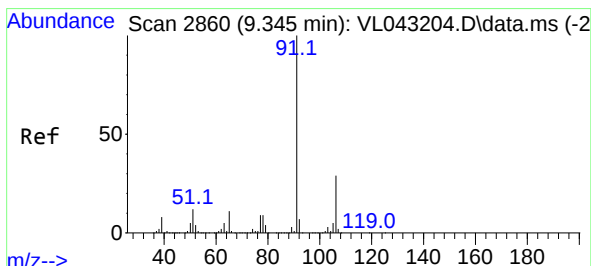
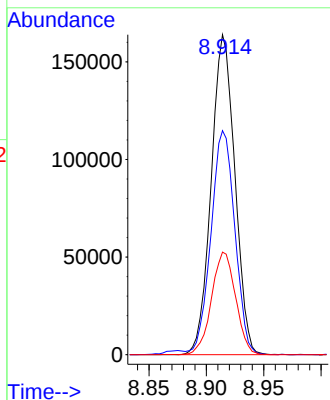
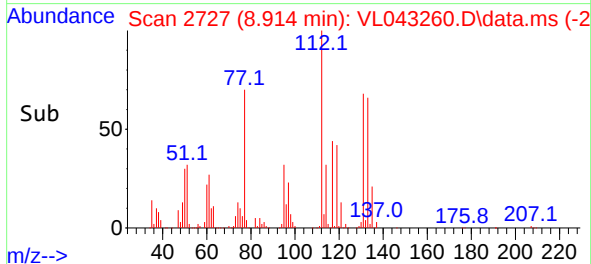
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



Tgt Ion:112 Resp: 234810
Ion Ratio Lower Upper
112 100
77 70.0 55.5 83.3
114 32.1 29.1 35.5

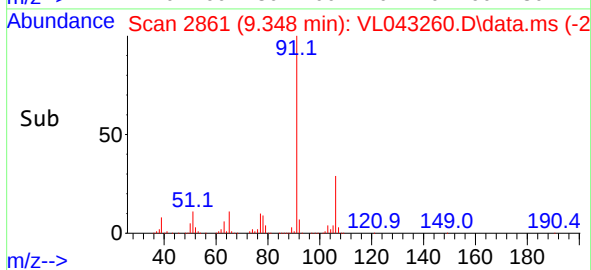
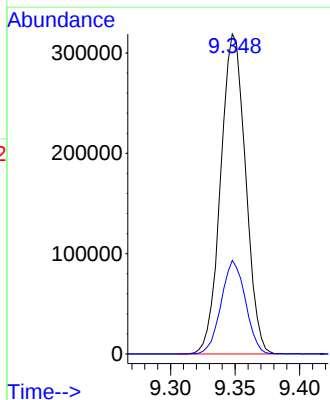
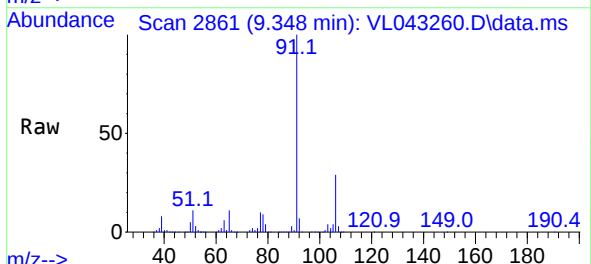
Manual Integrations
APPROVED

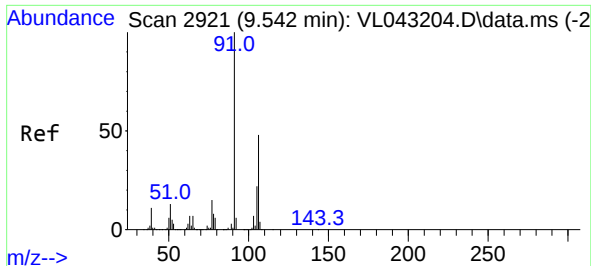
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#58
Ethyl Benzene
Concen: 10.357 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 91 Resp: 427546
Ion Ratio Lower Upper
91 100
106 29.3 22.8 34.2





#59

m/p-Xylene

Concen: 21.422 ppbv m

RT: 9.542 min Scan# 2921

Delta R.T. -0.000 min

Lab File: VL043260.D

Acq: 20 Nov 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

Tgt Ion: 91 Resp: 708974

Ion Ratio Lower Upper

91 100

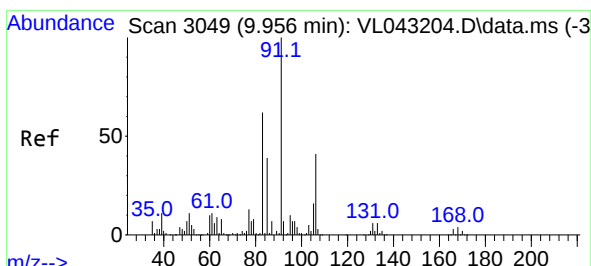
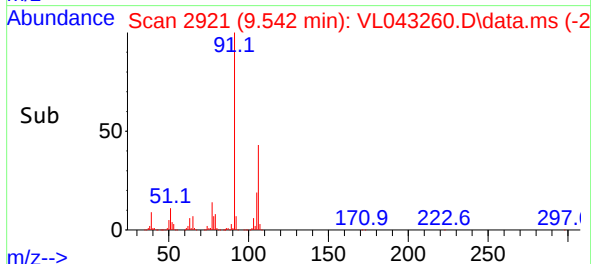
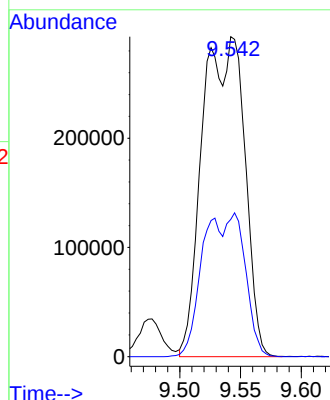
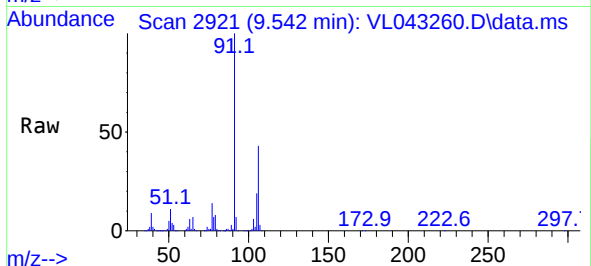
106 45.0 36.1 54.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025

Supervised By :Mahesh Dadoda 11/21/2025



#60

o-Xylene

Concen: 10.695 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VL043260.D

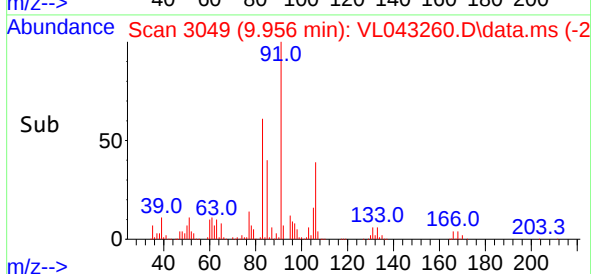
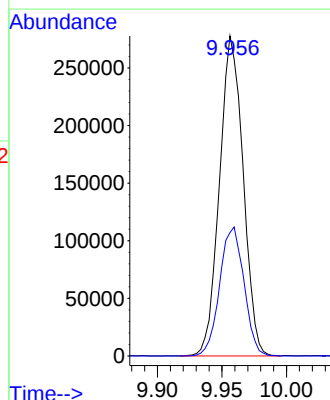
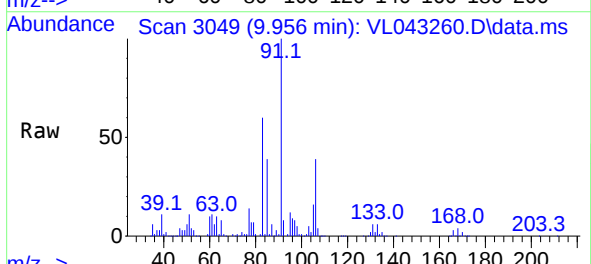
Acq: 20 Nov 2025 12:07

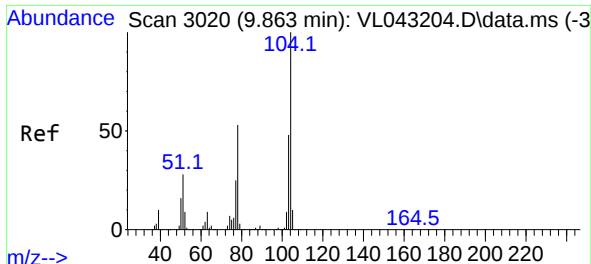
Tgt Ion: 91 Resp: 353595

Ion Ratio Lower Upper

91 100

106 41.3 20.9 62.8





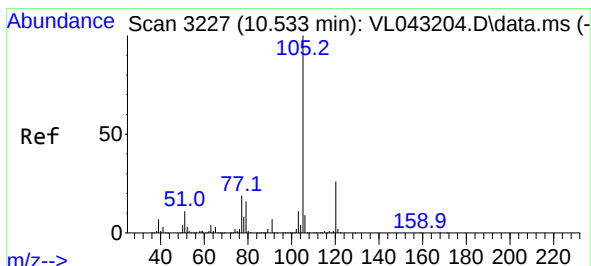
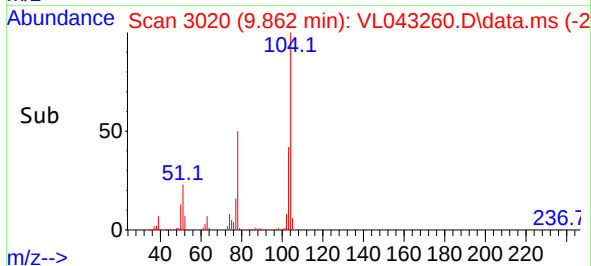
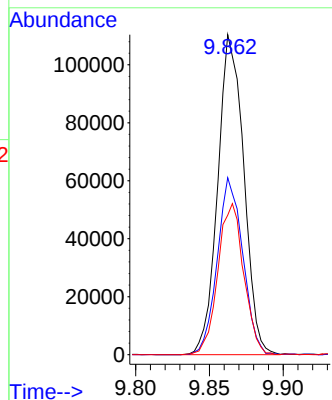
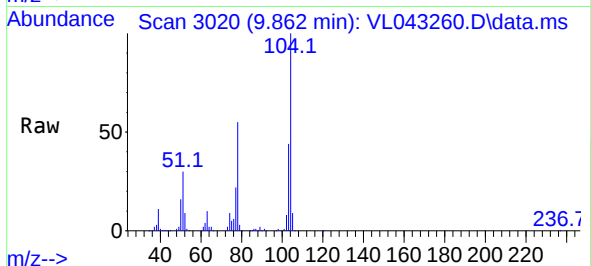
#61
Styrene
Concen: 9.363 ppbv
RT: 9.862 min Scan# 3020
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument : MSVOA_L
ClientSampleId : VL1120ABS01

Tgt Ion:104 Resp: 13547
Ion Ratio Lower Upper
104 100
78 54.3 42.1 63.1
103 47.1 37.2 55.8

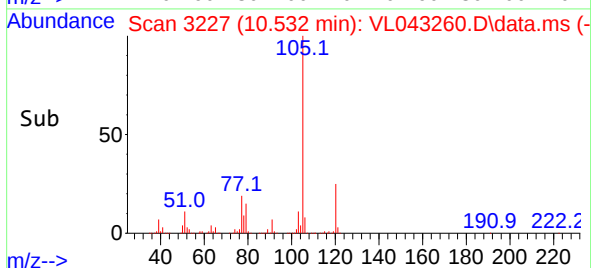
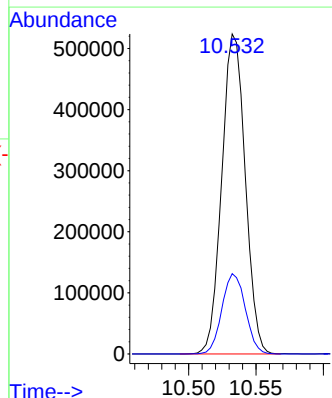
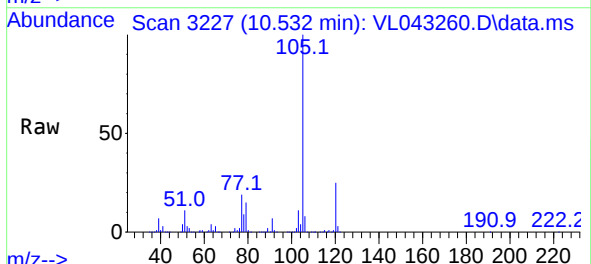
Manual Integrations
APPROVED

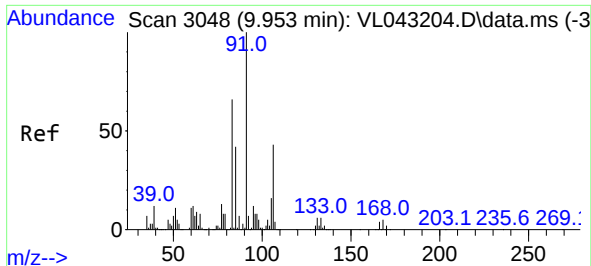
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#62
Isopropylbenzene
Concen: 10.720 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:105 Resp: 634112
Ion Ratio Lower Upper
105 100
120 25.0 19.8 29.8





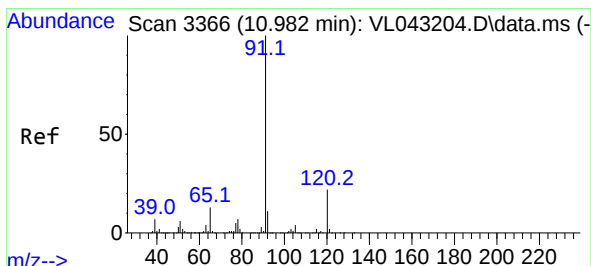
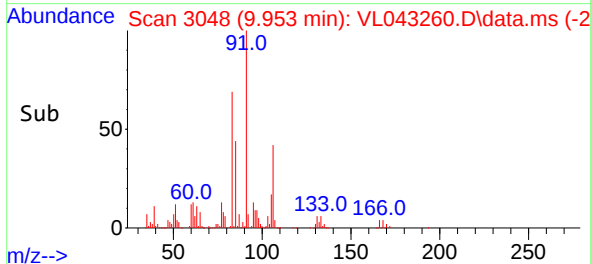
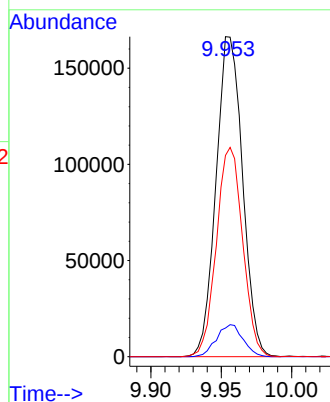
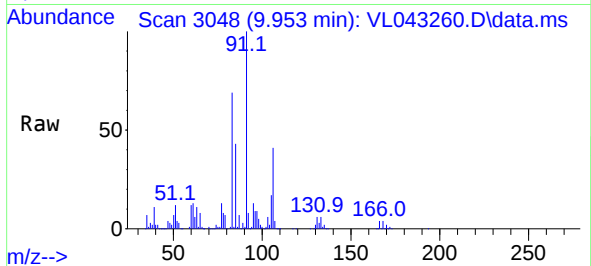
#63
1,1,2,2-Tetrachloroethane
Concen: 10.371 ppbv
RT: 9.953 min Scan# 3048
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument : MSVOA_L
ClientSampleId : VL1120ABS01

Tgt Ion: 83 Resp: 21817
Ion Ratio Lower Upper
83 100
131 10.0 4.8 14.3
85 64.8 31.9 95.9

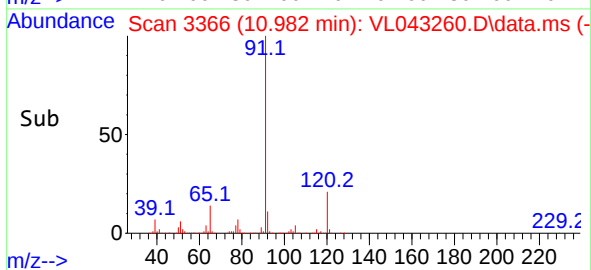
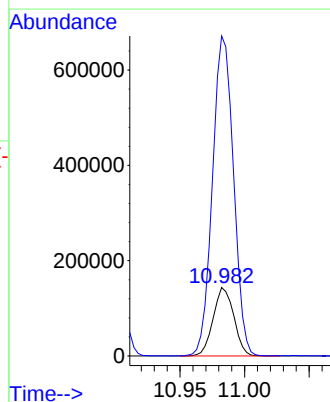
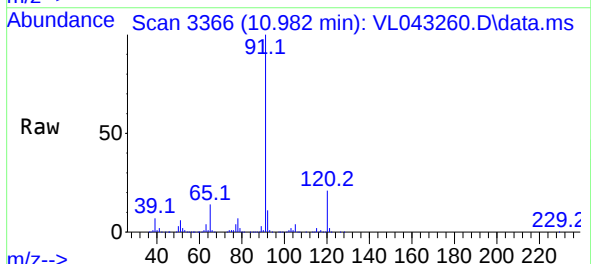
Manual Integrations
APPROVED

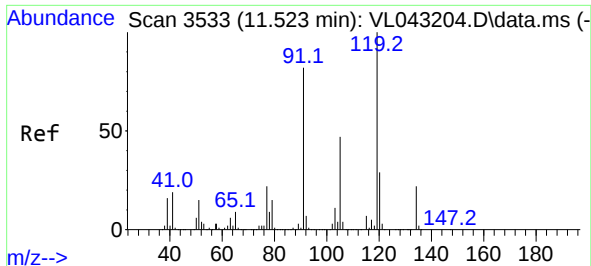
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#64
n-propylbenzene
Concen: 10.480 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:120 Resp: 159286
Ion Ratio Lower Upper
120 100
91 478.3 377.1 565.7





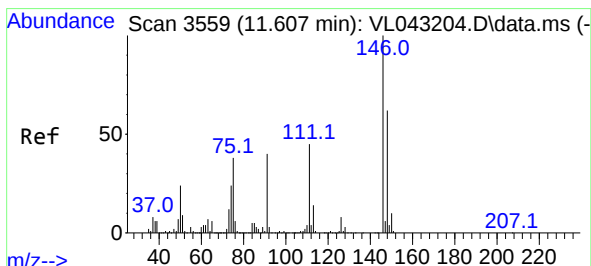
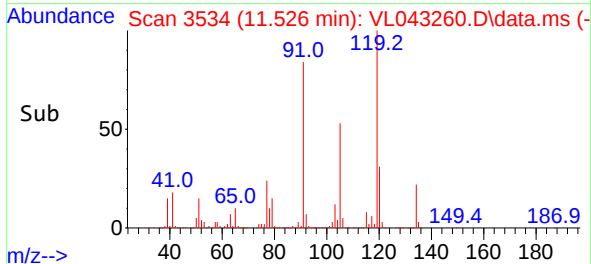
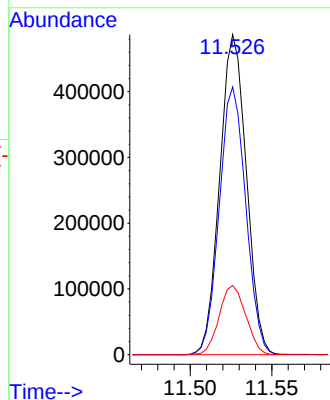
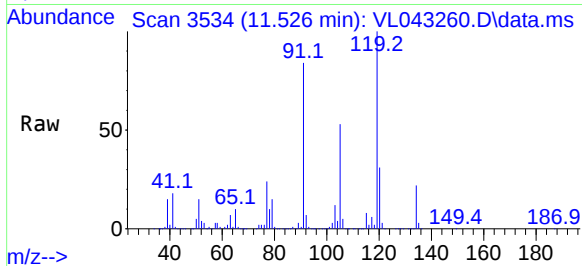
#65
tert-Butylbenzene
Concen: 10.467 ppbv
RT: 11.526 min Scan# 3533
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion:119 Resp: 552915
Ion Ratio Lower Upper
119 100
91 83.3 65.3 97.9
134 21.5 17.0 25.4

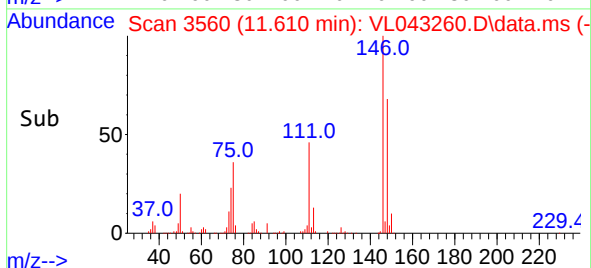
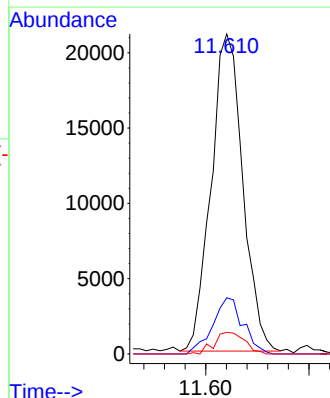
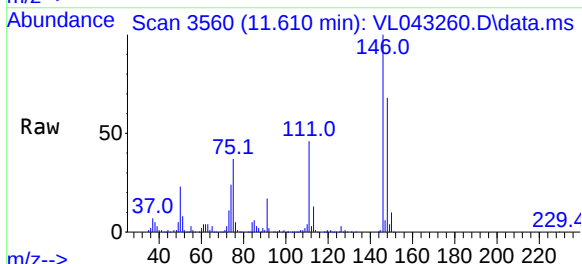
Manual Integrations
APPROVED

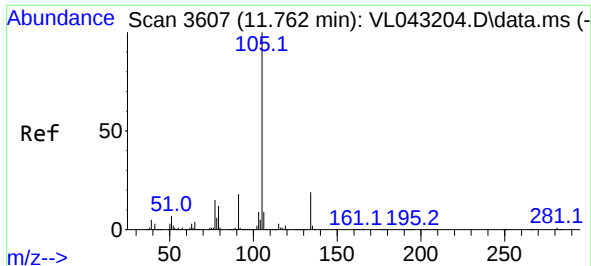
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#66
Benzyl Chloride
Concen: 4.178 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

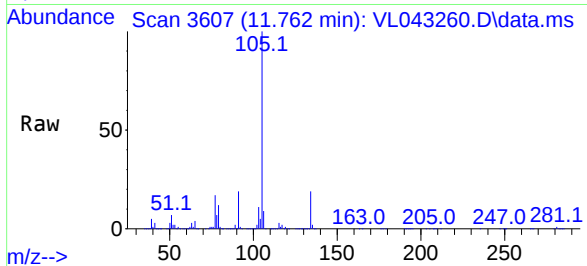
Tgt Ion: 91 Resp: 22396
Ion Ratio Lower Upper
91 100
126 17.0 14.4 21.6
128 6.6 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 10.570 ppbv
 RT: 11.762 min Scan# 3607
 Delta R.T. -0.000 min
 Lab File: VL043260.D
 Acq: 20 Nov 2025 12:07

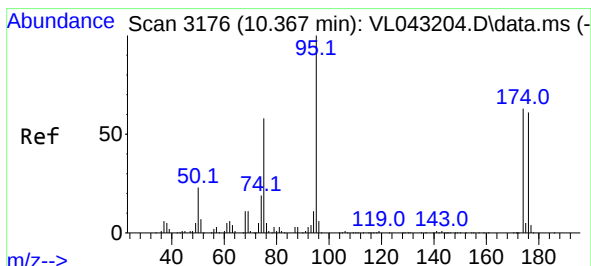
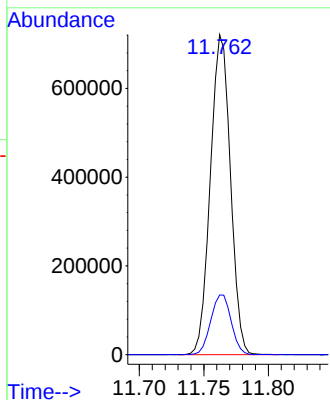
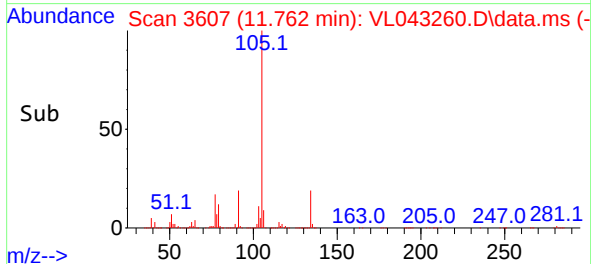
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01



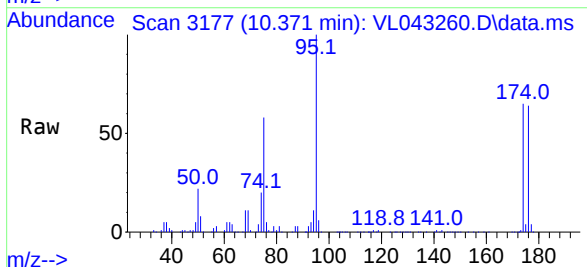
Tgt Ion:105 Resp: 779369
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.0 22.6

Manual Integrations
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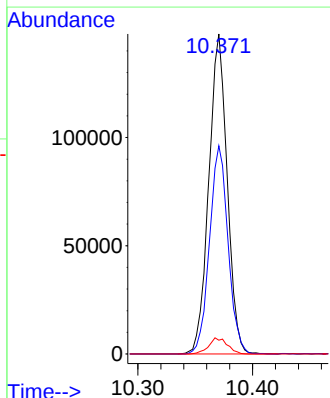
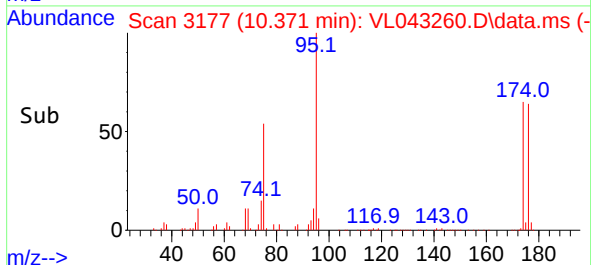
Reviewed By :Semsettin Yesilyurt 11/21/2025
 Supervised By :Mahesh Dadoda 11/21/2025

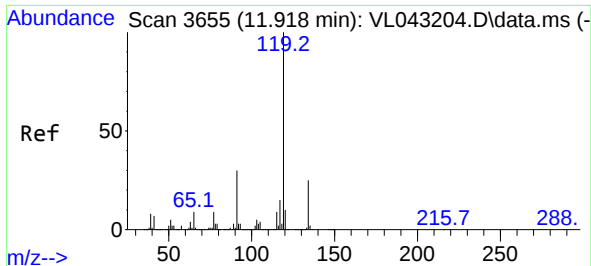


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.466 ppbv
 RT: 10.371 min Scan# 3177
 Delta R.T. 0.003 min
 Lab File: VL043260.D
 Acq: 20 Nov 2025 12:07



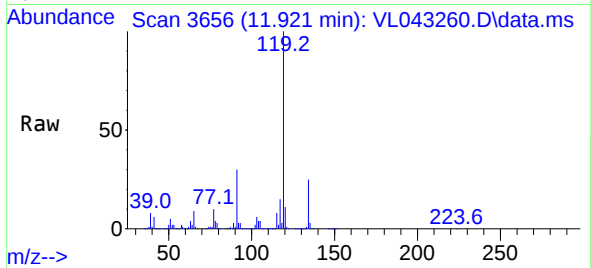
Tgt Ion: 95 Resp: 164533
 Ion Ratio Lower Upper
 95 100
 174 65.6 50.2 75.2
 175 5.1 4.1 6.1





#69
p-Isopropyltoluene
Concen: 10.405 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

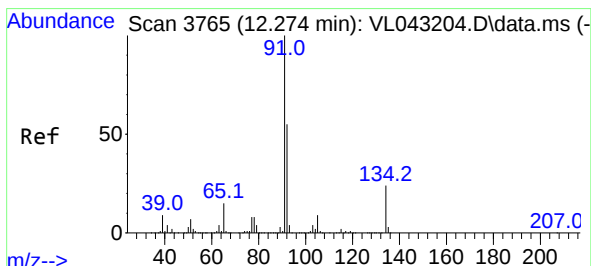
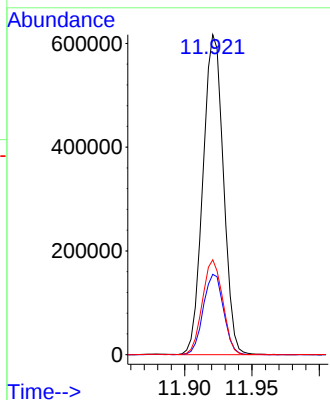
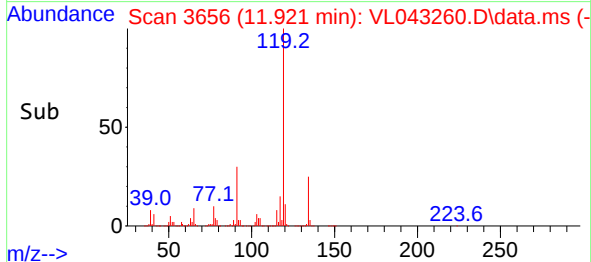
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



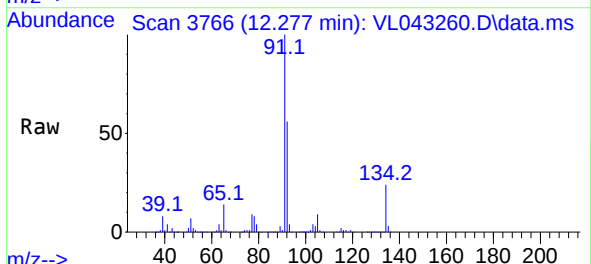
Tgt Ion:119 Resp: 64994
Ion Ratio Lower Upper
119 100
134 25.1 20.2 30.2
91 29.7 23.8 35.8

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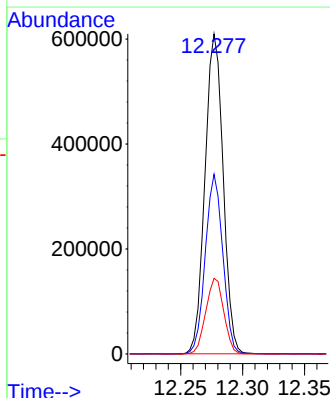
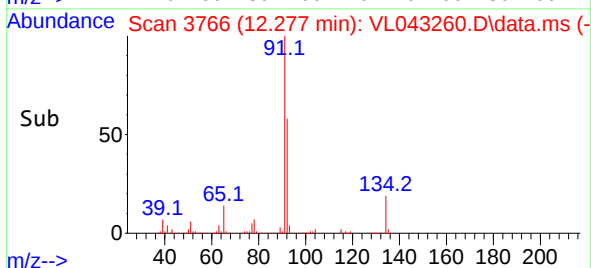
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

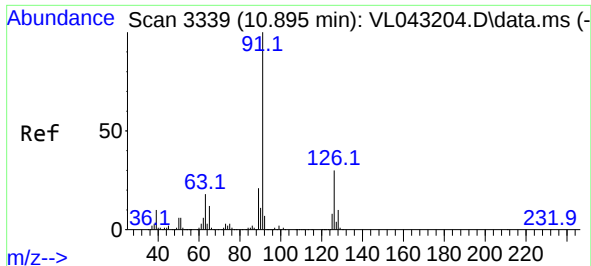


#70
n-Butylbenzene
Concen: 10.278 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07



Tgt Ion: 91 Resp: 622858
Ion Ratio Lower Upper
91 100
92 54.2 43.5 65.3
134 23.4 19.0 28.6





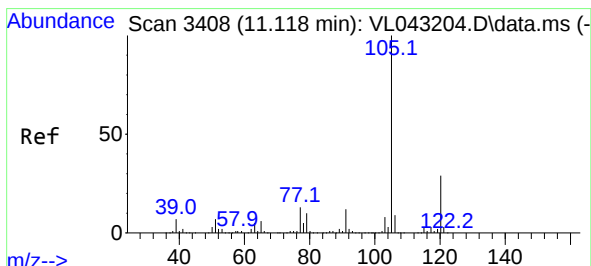
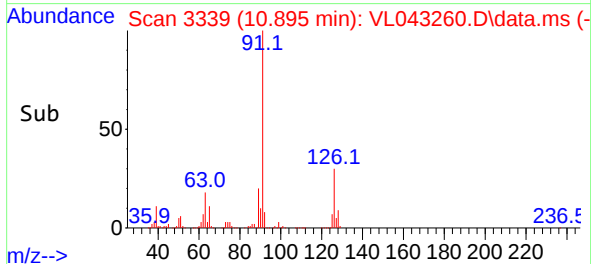
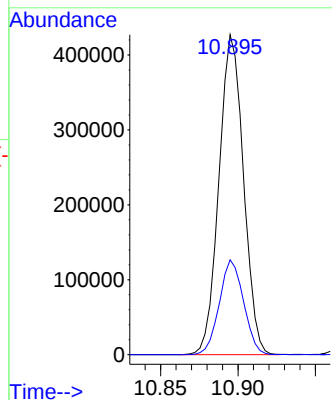
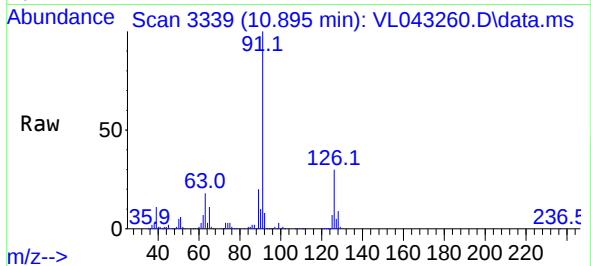
#71
2-Chlorotoluene
Concen: 10.337 ppbv
RT: 10.895 min Scan# 311
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 91 Resp: 46996
Ion Ratio Lower Upper
91 100
126 29.3 11.7 46.7

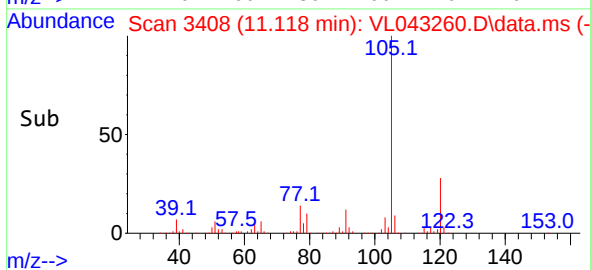
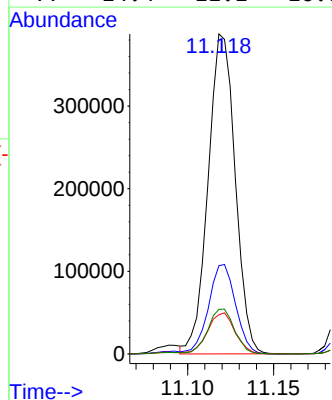
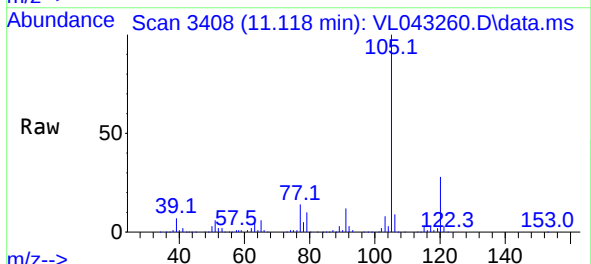
Manual Integrations
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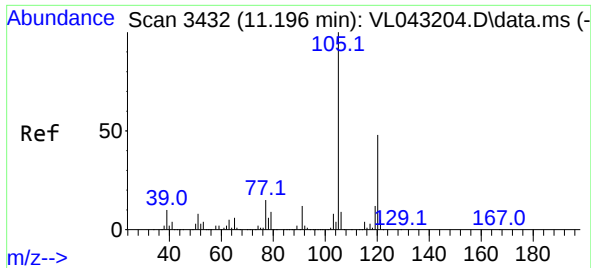
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#72
4-Ethyltoluene
Concen: 10.529 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:105 Resp: 423927
Ion Ratio Lower Upper
105 100
120 28.8 23.8 35.8
91 13.6 10.3 15.5
77 14.4 11.1 16.7





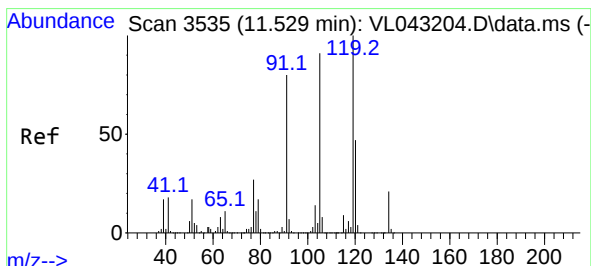
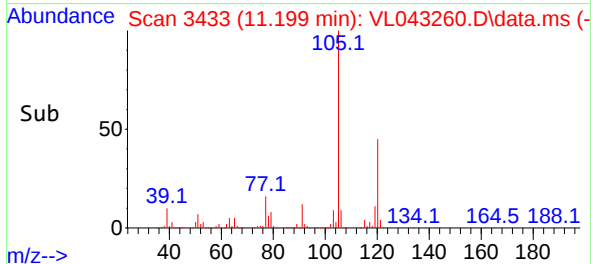
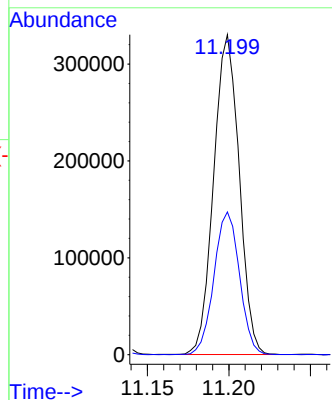
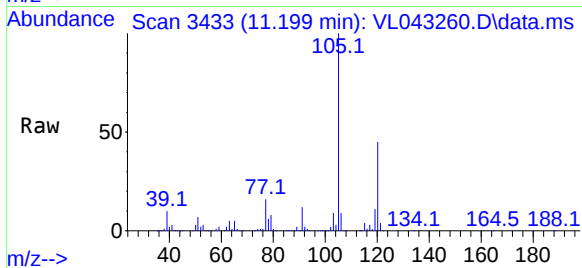
#73
1,3,5-Trimethylbenzene
Concen: 10.613 ppbv
RT: 11.199 min Scan# 3432
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion:105 Resp: 358599
Ion Ratio Lower Upper
105 100
120 44.6 38.6 57.8

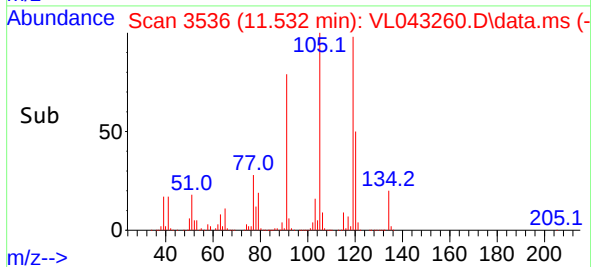
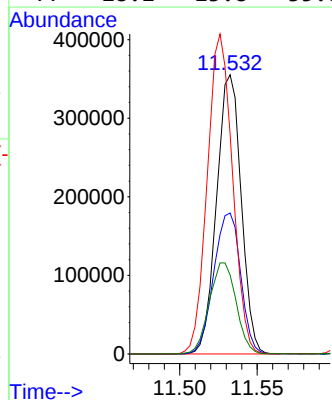
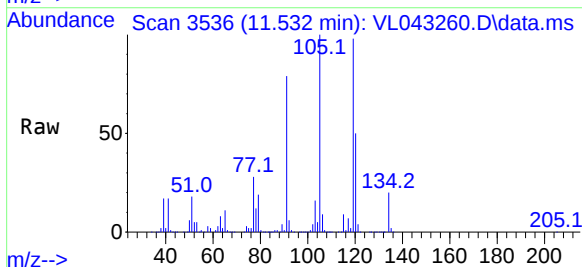
Manual Integrations
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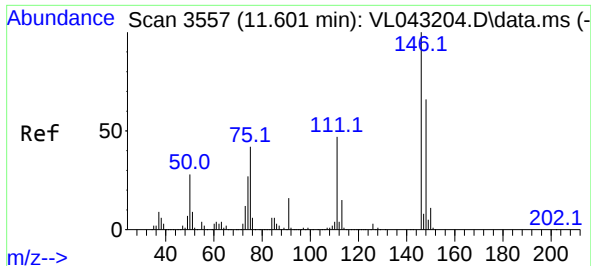
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#74
1,2,4-Trimethylbenzene
Concen: 10.645 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

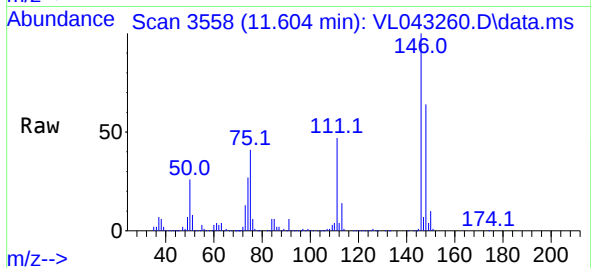
Tgt Ion:105 Resp: 392516
Ion Ratio Lower Upper
105 100
120 50.4 41.7 62.5
91 78.6 70.0 105.0
77 28.2 23.8 35.8





#75
1,3-Dichlorobenzene
Concen: 10.765 ppbv
RT: 11.604 min Scan# 3557
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

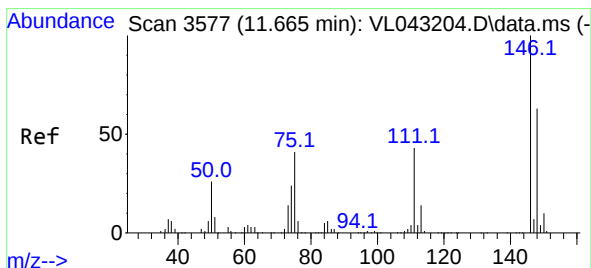
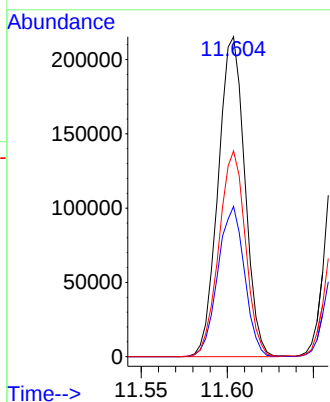
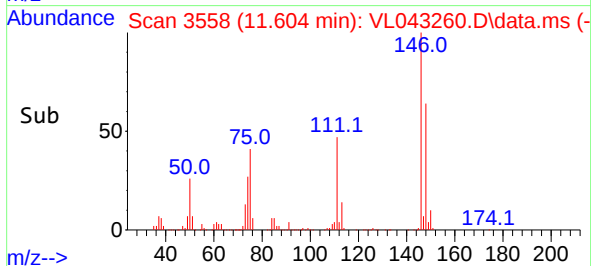
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



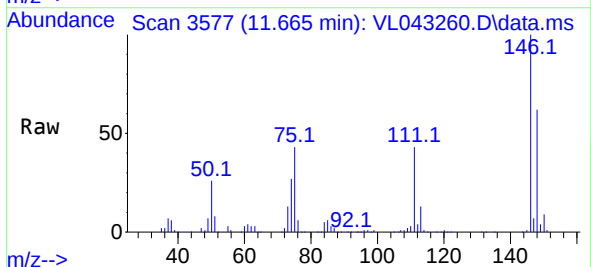
Tgt Ion:146 Resp: 231654
Ion Ratio Lower Upper
146 100
111 47.0 23.4 70.3
148 64.1 31.6 95.0

Manual Integrations
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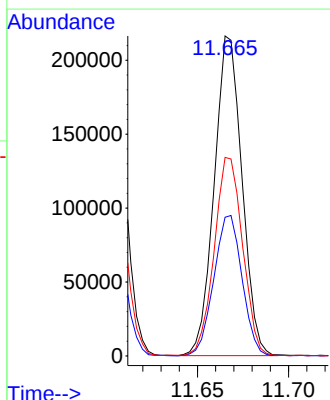
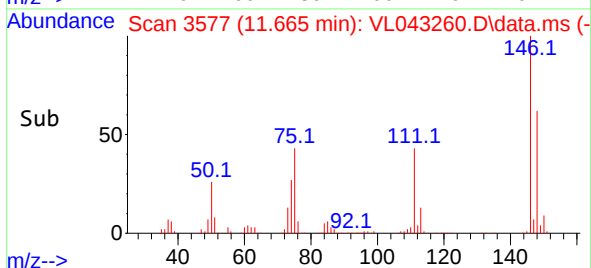
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

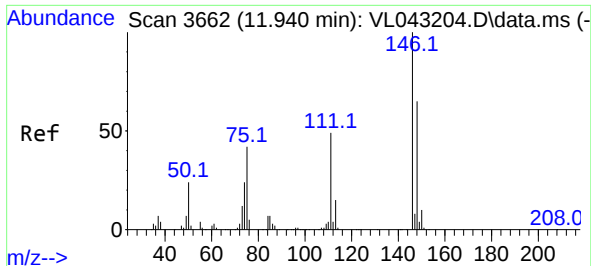


#76
1,4-Dichlorobenzene
Concen: 10.642 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07



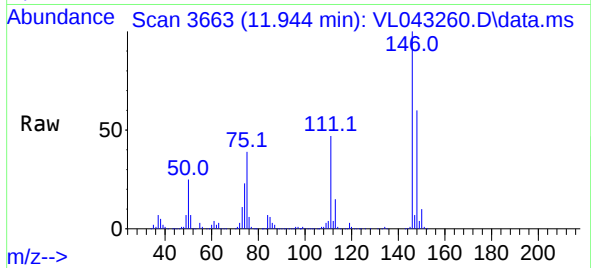
Tgt Ion:146 Resp: 229039
Ion Ratio Lower Upper
146 100
111 45.0 22.8 68.3
148 63.8 31.8 95.4





#77
1,2-Dichlorobenzene
Concen: 10.642 ppbv
RT: 11.944 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

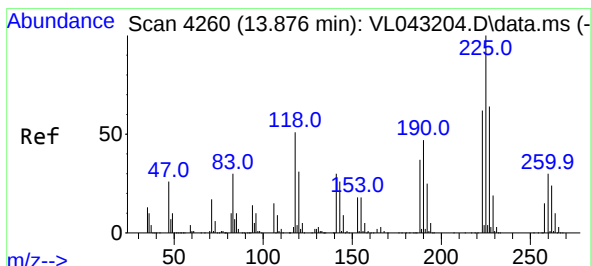
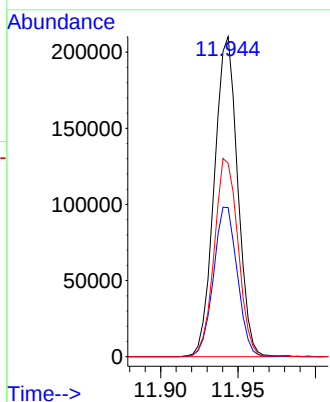
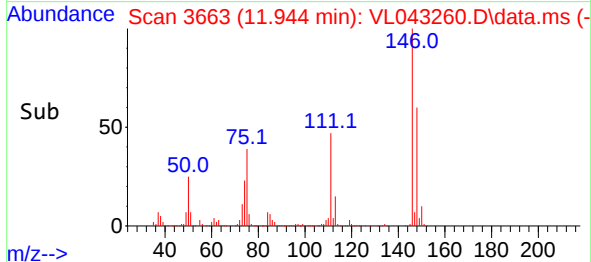
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



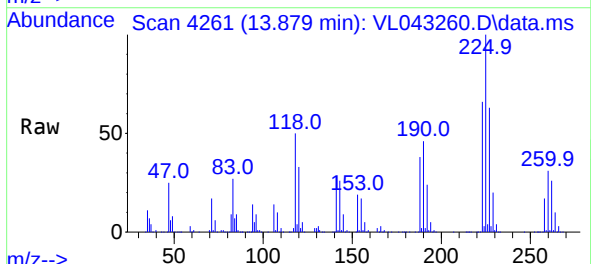
Tgt Ion:146 Resp: 220159
Ion Ratio Lower Upper
146 100
111 47.8 24.3 73.0
148 63.2 31.6 94.7

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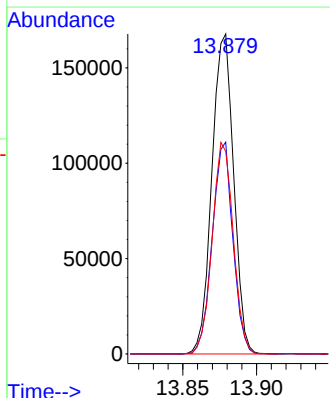
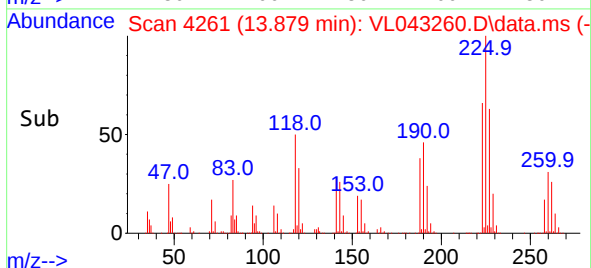
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

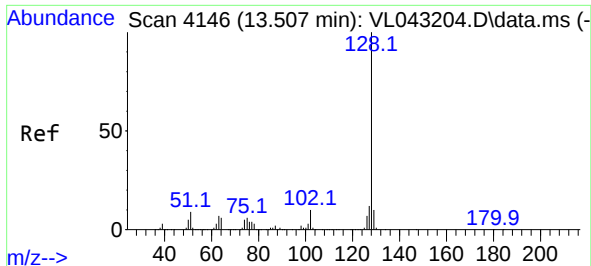


#78
Hexachloro-1,3-Butadiene
Concen: 9.961 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07



Tgt Ion:225 Resp: 171979
Ion Ratio Lower Upper
225 100
223 63.0 50.2 75.4
227 64.2 51.1 76.7





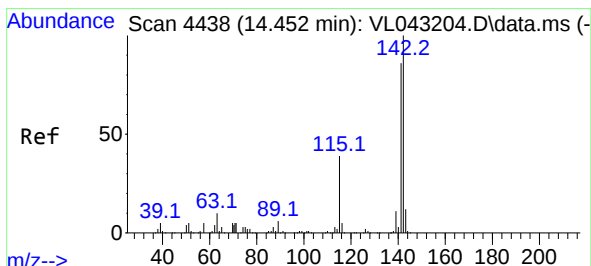
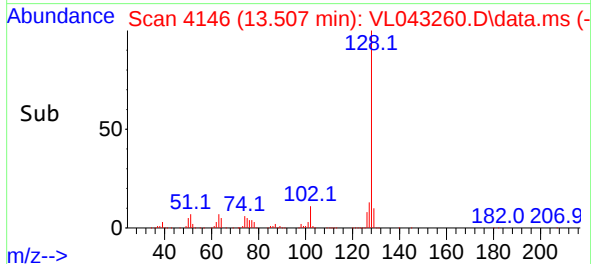
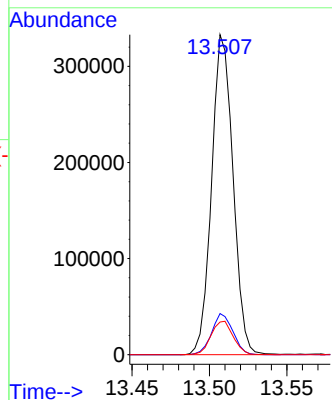
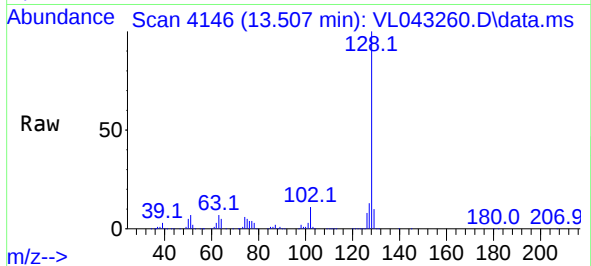
#79
Naphthalene
Concen: 9.764 ppbv
RT: 13.507 min Scan# 4146
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion:128 Resp: 31976
Ion Ratio Lower Upper
128 100
127 12.9 9.9 14.9
129 10.2 8.4 12.6

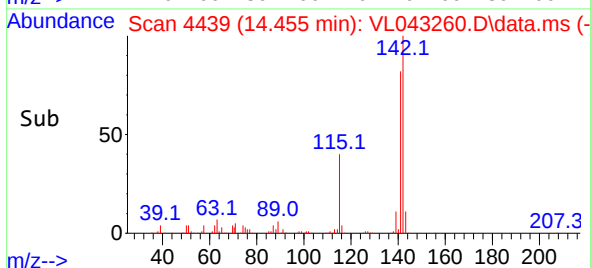
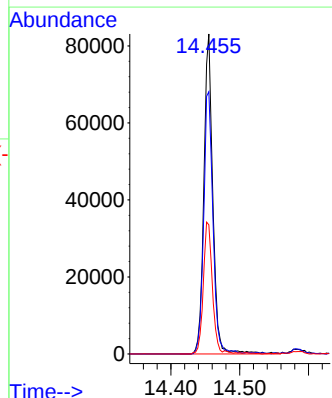
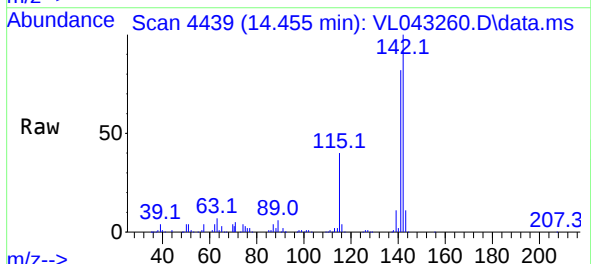
Manual Integrations
APPROVED

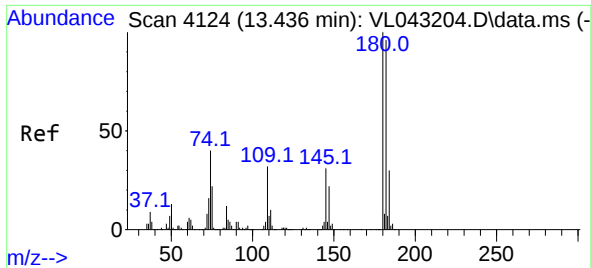
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#80
Naphthalene,2-methyl-
Concen: 8.734 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

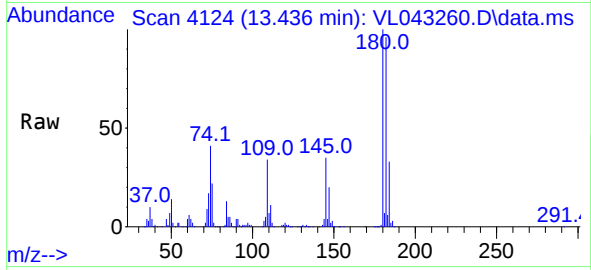
Tgt Ion:142 Resp: 75079
Ion Ratio Lower Upper
142 100
141 85.5 67.1 100.7
115 42.6 31.9 47.9





#81
1,2,4-Trichlorobenzene
Concen: 10.761 ppbv
RT: 13.436 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



Tgt Ion:180 Resp: 157618
Ion Ratio Lower Upper
180 100
182 95.6 77.4 116.2
184 30.7 24.2 36.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

