

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110425\
 Data File : VL043146.D
 Acq On : 04 Nov 2025 09:48
 Operator : SY/MD
 Sample : VL1104ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1104ABS01

Quant Time: Nov 05 06:27:29 2025

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

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

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

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025

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

Internal Standards						
1) Bromochloromethane	2.784	49	117211	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	376663	10.000	ppbv	-0.01
55) Chlorobenzene-d5	8.875	117	338293	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 263837 10.034 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	168363	10.104	ppbv	99
3) Chlorodifluoromethane	1.476	51	174074	9.655	ppbv	96
4) Chloromethane	1.534	50	56886	8.617	ppbv	99
5) Vinyl Chloride	1.580	62	56540	8.732	ppbv	100
6) Bromomethane	1.667	94	33757	9.508	ppbv	94
7) Chloroethane	1.703	64	23147	8.744	ppbv	95
8) Dichlorotetrafluoroethane	1.554	85	134435	9.982	ppbv	93
9) Propene	1.482	41	68089	8.515	ppbv	99
10) Heptane	4.975	43	199620	8.672	ppbv	98
11) Trichlorofluoromethane	1.877	101	173088	10.619	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.140	101	136304	10.387	ppbv	96
13) Ethanol	1.719	45	20847	7.048	ppbv	100
14) Bromoethene	1.780	108	48820	10.015	ppbv	98
15) Acetone	1.835	43	133811	8.470	ppbv	100
16) 1,3-Butadiene	1.609	39	63171	8.390	ppbv	99
17) tert-Butyl alcohol	2.039	59	202021	9.316	ppbv	98
18) 1,1-Dichloroethene	2.033	96	59286	10.363	ppbv	90
19) Isopropyl Alcohol	1.884	45	83769	8.514	ppbv	96
20) Methylene Chloride	2.059	84	52539	8.413	ppbv	94
21) Allyl Chloride	2.094	41	104641	8.989	ppbv	96
22) trans-1,2-Dichloroethene	2.340	96	67810	9.916	ppbv	92
23) Vinyl Acetate	2.460	43	231949	10.023	ppbv	99
24) 1,1-Dichloroethane	2.408	63	126729	9.592	ppbv	99
25) Ethyl Acetate	2.832	43	368011	9.393	ppbv	99
26) Hexane	2.822	57	171240	9.486	ppbv	96
27) Carbon Disulfide	2.149	76	163324	9.874	ppbv	98
28) Methyl tert-Butyl Ether	2.437	73	75568	9.201	ppbv	95
29) Chloroform	2.845	83	274359	10.489	ppbv	99
30) Cyclohexane	3.852	84	148402	9.419	ppbv	93
31) cis-1,2-Dichloroethene	2.719	61	175653	10.190	ppbv	94
32) 1,1,1-Trichloroethane	3.366	97	290473	10.664	ppbv	98
34) 2-Butanone	2.554	43	242501	9.578	ppbv	96
35) Carbon Tetrachloride	3.758	117	293855	10.851	ppbv	99
36) Benzene	3.651	78	349653	9.856	ppbv	99
37) 1,2-Dichloroethane	3.214	62	212892	10.417	ppbv	98
38) Trichloroethene	4.541	130	141092	9.523	ppbv	97
39) 1,2-Dichloropropane	4.308	63	124426	9.594	ppbv	96
40) 1,4-Dioxane	4.570	88	53899	9.287	ppbv #	95
41) Tetrahydrofuran	3.049	42	128112	9.047	ppbv	97
42) Bromodichloromethane	4.486	83	298731	10.561	ppbv	99
43) Methyl Methacrylate	4.871	69	168688	9.362	ppbv	96
44) 2,2,4-Trimethylpentane	4.635	57	559739	9.352	ppbv	100
45) t-1,3-Dichloropropene	6.409	75	176685	9.771	ppbv	100

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Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025

Quant Time: Nov 05 06:27:29 2025

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

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

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

Response via : Initial Calibration

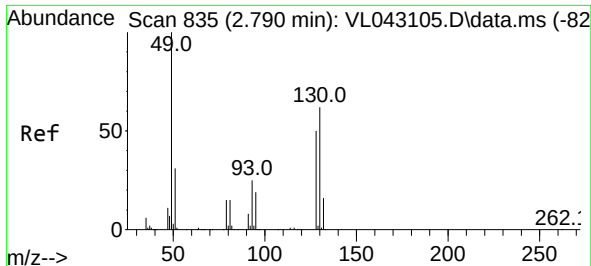
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	209372	9.693	ppbv	97
47) 1,1,2-Trichloroethane	6.577	97	138252	9.871	ppbv	97
48) Dibromochloromethane	7.380	129	248177	10.598	ppbv	99
49) Bromoform	9.477	173	210814	11.075	ppbv	99
50) 4-Methyl-2-Pentanone	5.739	43	312202	8.935	ppbv	99
51) 2-Hexanone	7.425	43	236506	9.024	ppbv #	99
52) Tetrachloroethene	8.221	164	127759	9.987	ppbv	95
53) Toluene	6.926	91	399969	9.499	ppbv	99
54) 1,2-Dibromoethane	7.645	107	216136	9.852	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.920	131	226661	10.629	ppbv	98
57) Chlorobenzene	8.917	112	301511	9.527	ppbv	99
58) Ethyl Benzene	9.351	91	558920	9.627	ppbv	96
59) m/p-Xylene	9.548	91	889935m	19.218	ppbv	
60) o-Xylene	9.959	91	440338	9.628	ppbv	99
61) Styrene	9.869	104	193632	9.378	ppbv	99
62) Isopropylbenzene	10.535	105	809864	9.800	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	281039	9.177	ppbv	100
64) n-propylbenzene	10.985	120	207399	9.479	ppbv	96
65) tert-Butylbenzene	11.529	119	678792	9.301	ppbv	98
66) Benzyl Chloride	11.610	91	69894	8.605	ppbv	98
67) sec-Butylbenzene	11.765	105	974193	9.406	ppbv	100
69) p-Isopropyltoluene	11.924	119	823913	9.361	ppbv	99
70) n-Butylbenzene	12.277	91	824593	9.507	ppbv	99
71) 2-Chlorotoluene	10.898	91	598881	9.501	ppbv	99
72) 4-Ethyltoluene	11.121	105	545992	9.709	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	455284	9.816	ppbv	95
74) 1,2,4-Trimethylbenzene	11.535	105	487206	9.387	ppbv	88
75) 1,3-Dichlorobenzene	11.603	146	297914	9.897	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	303231	9.990	ppbv	99
77) 1,2-Dichlorobenzene	11.943	146	281881	9.680	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	213998	9.491	ppbv	97
79) Naphthalene	13.510	128	505564	9.319	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	153217	10.841	ppbv	97
81) 1,2,4-Trichlorobenzene	13.439	180	230297	10.228	ppbv	100

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

Manual Integrations APPROVED

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 02:12:58 2025
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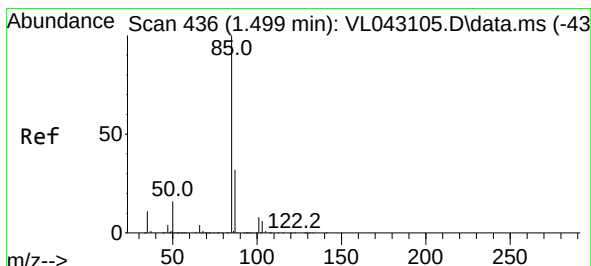
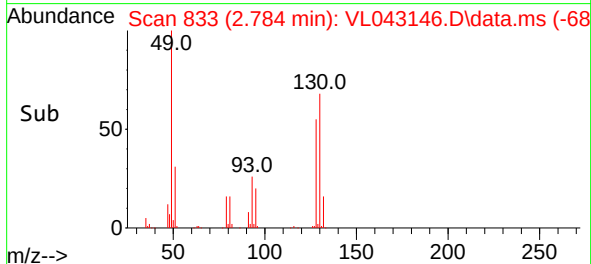
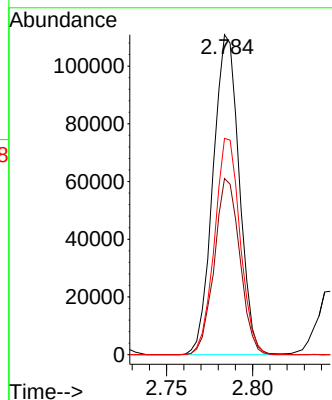
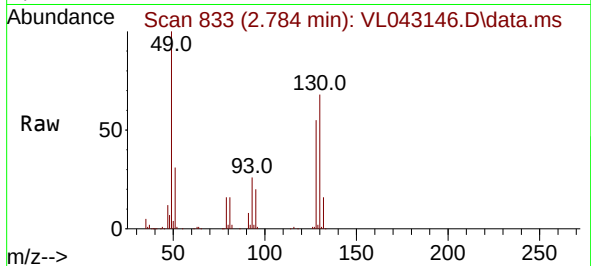
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 811
Delta R.T. -0.006 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01

Tgt Ion: 49 Resp: 11721
Ion Ratio Lower Upper
49 100
128 53.6 24.4 73.4
130 66.2 31.0 93.0

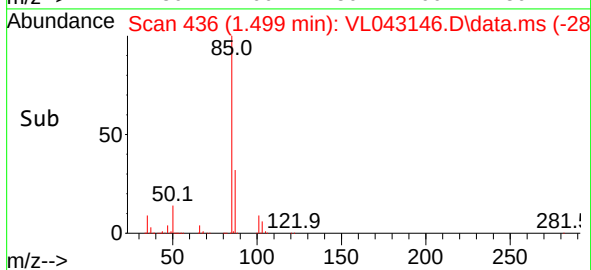
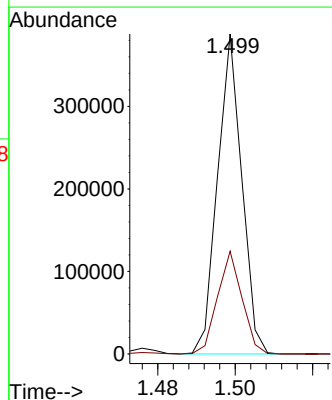
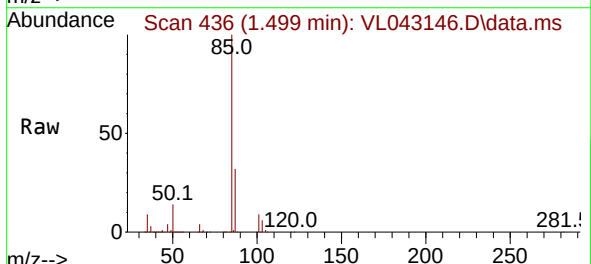
Manual Integrations
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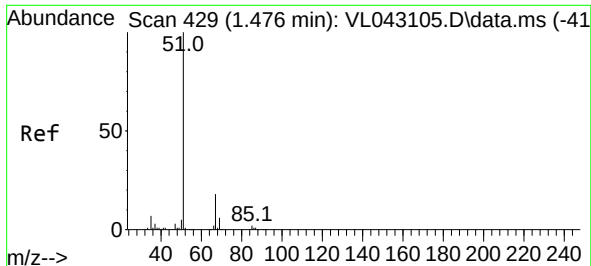
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#2
Dichlorodifluoromethane
Concen: 10.104 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

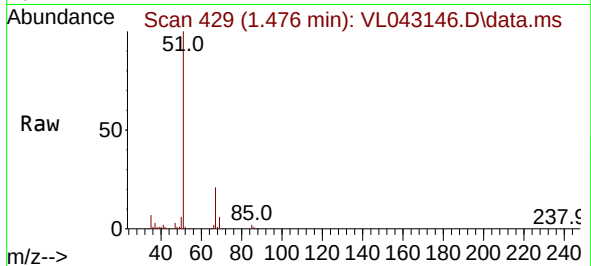
Tgt Ion: 85 Resp: 168363
Ion Ratio Lower Upper
85 100
87 32.1 25.3 37.9





#3
Chlorodifluoromethane
Concen: 9.655 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

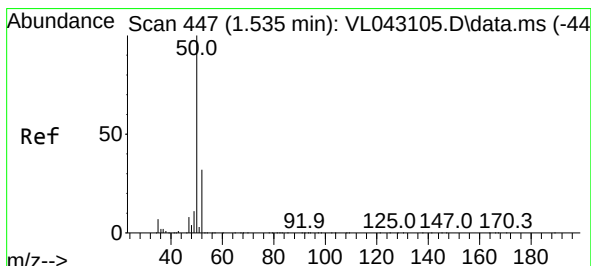
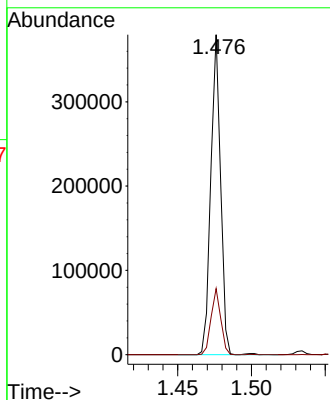
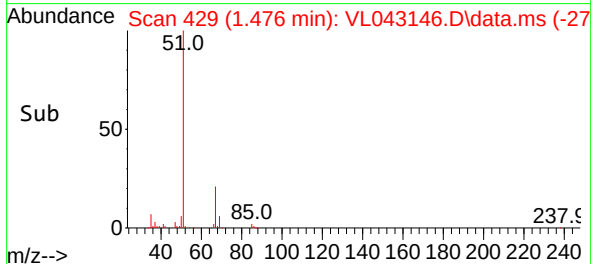
Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01



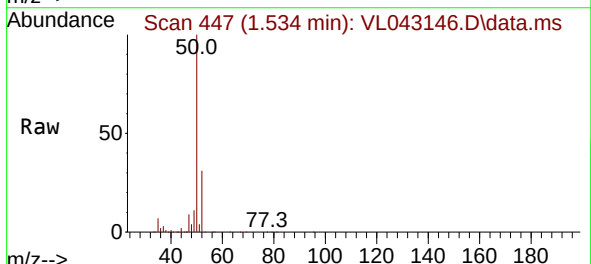
Tgt Ion: 51 Resp: 174074
Ion Ratio Lower Upper
51 100
67 20.6 15.1 22.7

Manual Integrations
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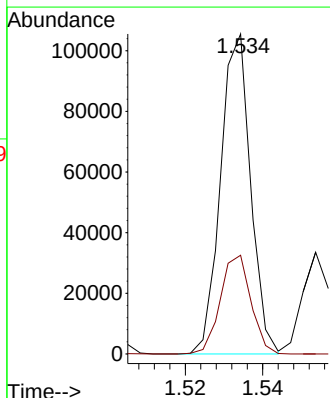
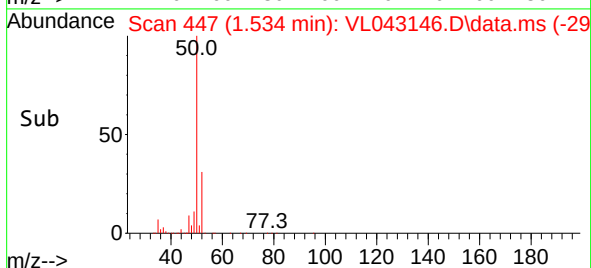
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

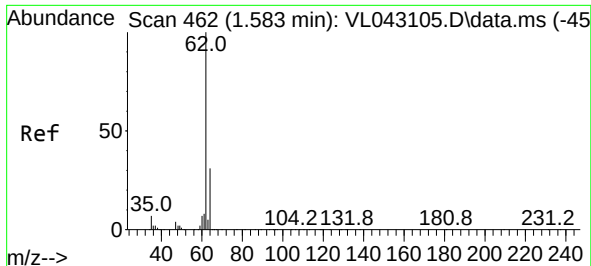


#4
Chloromethane
Concen: 8.617 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48



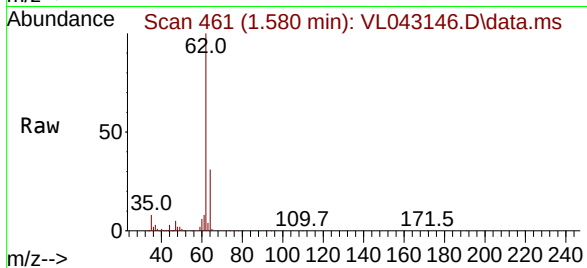
Tgt Ion: 50 Resp: 56886
Ion Ratio Lower Upper
50 100
52 30.8 25.2 37.8





#5
 Vinyl Chloride
 Concen: 8.732 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.004 min
 Lab File: VL043146.D
 Acq: 04 Nov 2025 09:48

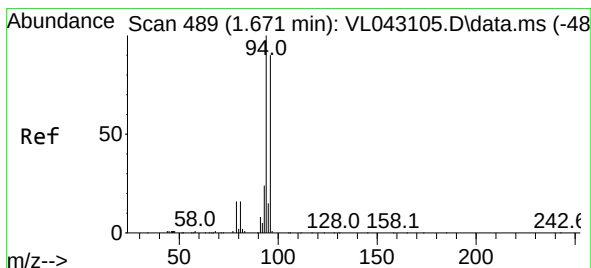
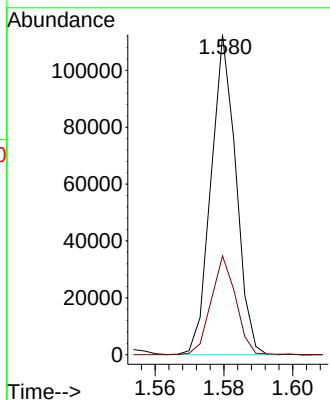
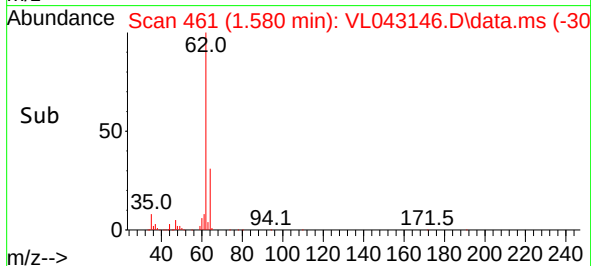
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1104ABS01



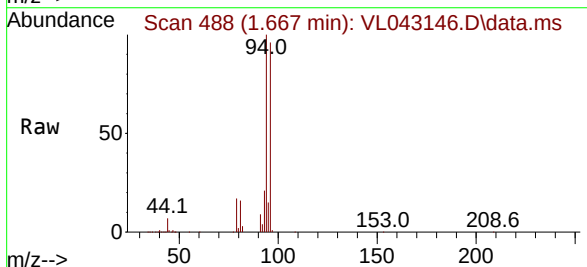
Tgt Ion: 62 Resp: 56540
 Ion Ratio Lower Upper
 62 100
 64 30.8 24.6 36.8

Manual Integrations
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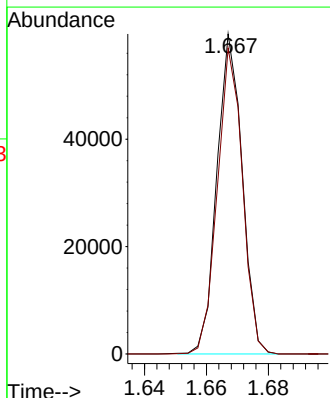
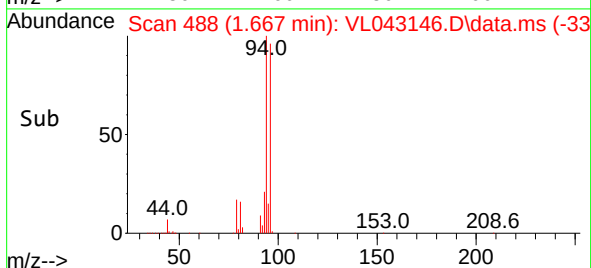
Reviewed By :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025

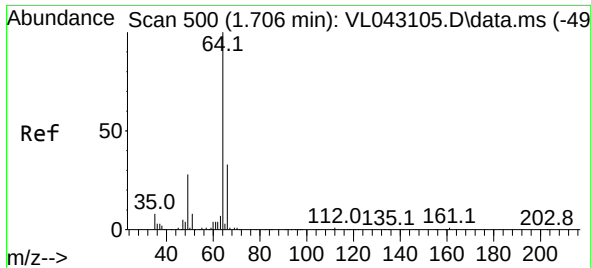


#6
 Bromomethane
 Concen: 9.508 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.004 min
 Lab File: VL043146.D
 Acq: 04 Nov 2025 09:48



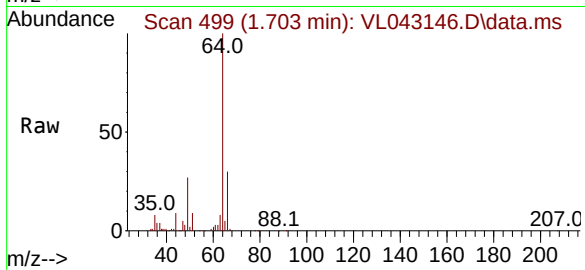
Tgt Ion: 94 Resp: 33757
 Ion Ratio Lower Upper
 94 100
 96 95.6 72.2 108.4





#7
Chloroethane
Concen: 8.744 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.004 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

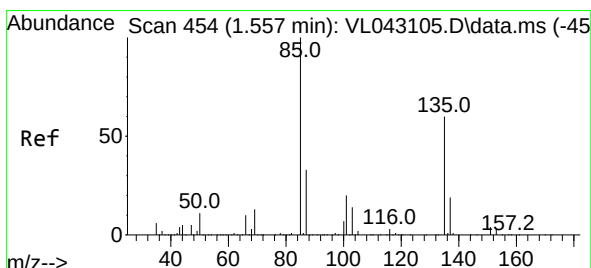
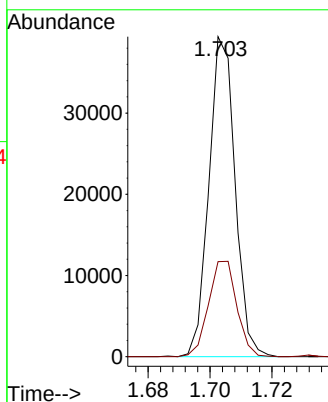
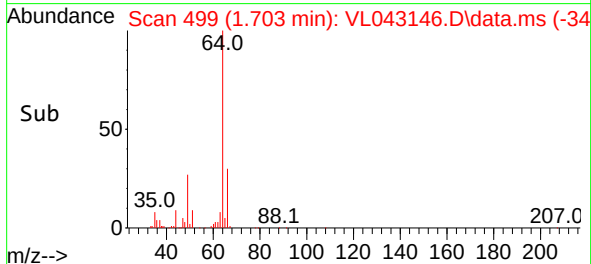
Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01



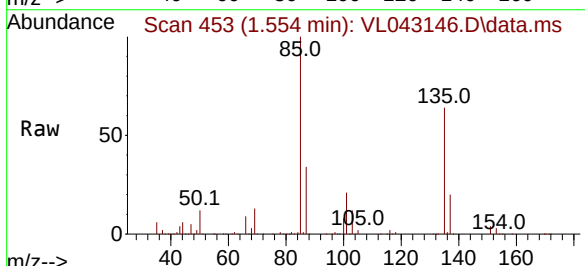
Tgt Ion: 64 Resp: 2314
Ion Ratio Lower Upper
64 100
66 29.7 26.0 39.0

Manual Integrations
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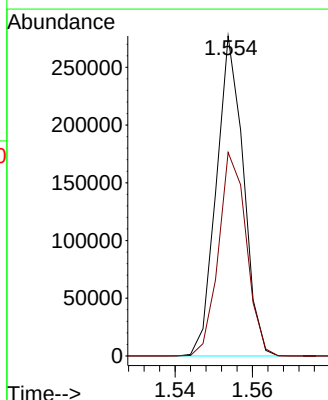
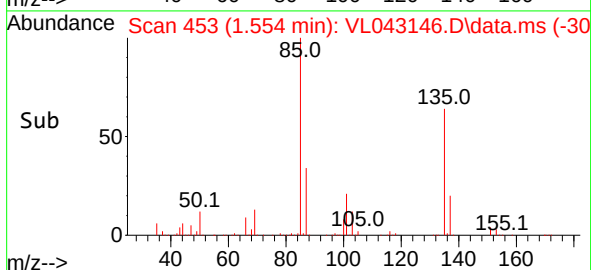
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

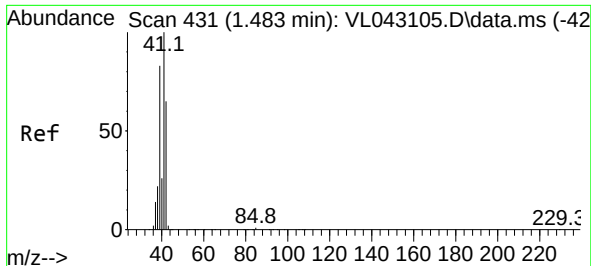


#8
Dichlorotetrafluoroethane
Concen: 9.982 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.004 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48



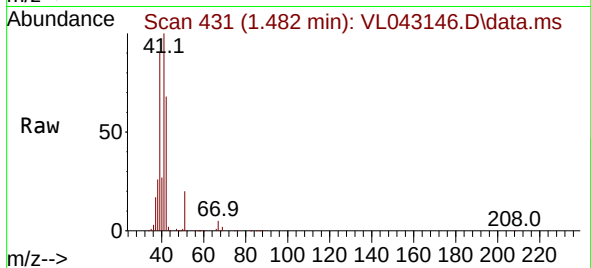
Tgt Ion: 85 Resp: 134435
Ion Ratio Lower Upper
85 100
135 65.6 48.2 72.4





#9
 Propene
 Concen: 8.515 ppbv
 RT: 1.482 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL043146.D
 Acq: 04 Nov 2025 09:48

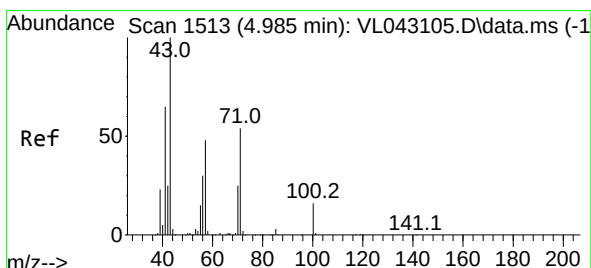
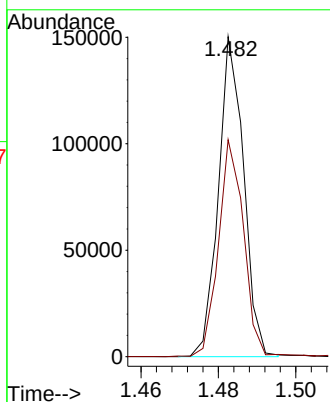
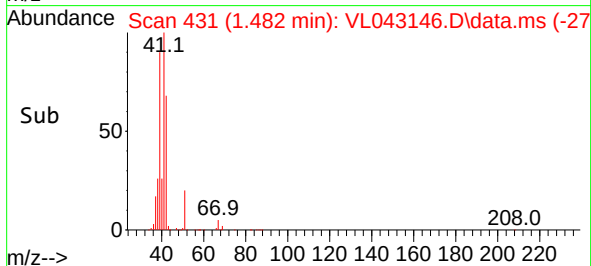
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1104ABS01



Tgt Ion: 41 Resp: 68089
 Ion Ratio Lower Upper
 41 100
 42 68.2 55.1 82.7

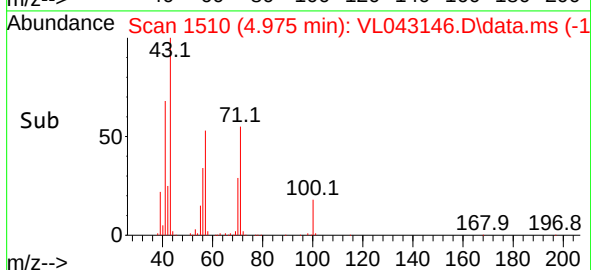
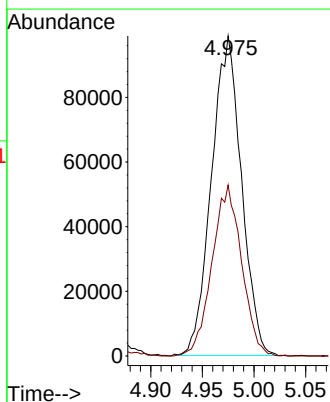
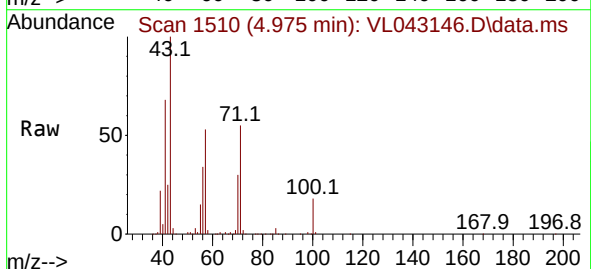
Manual Integrations
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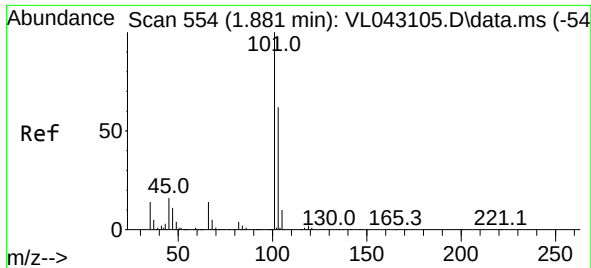
Reviewed By :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025



#10
 Heptane
 Concen: 8.672 ppbv
 RT: 4.975 min Scan# 1510
 Delta R.T. -0.010 min
 Lab File: VL043146.D
 Acq: 04 Nov 2025 09:48

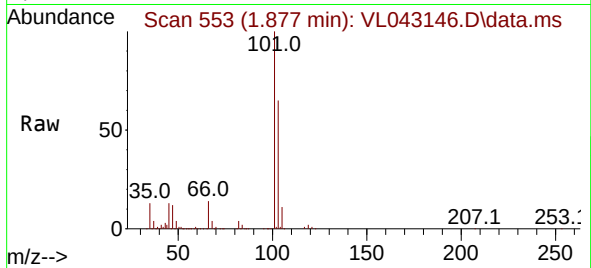
Tgt Ion: 43 Resp: 199620
 Ion Ratio Lower Upper
 43 100
 57 52.7 40.8 61.2





#11
 Trichlorofluoromethane
 Concen: 10.619 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. -0.004 min
 Lab File: VL043146.D
 Acq: 04 Nov 2025 09:48

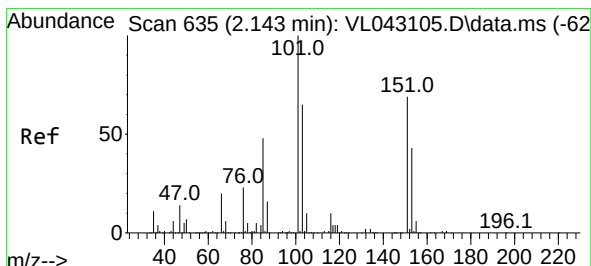
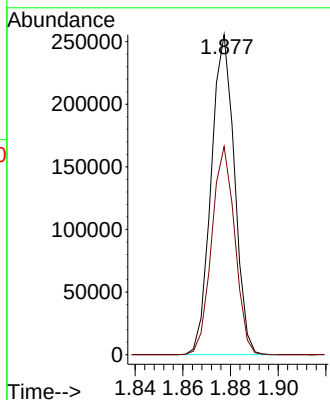
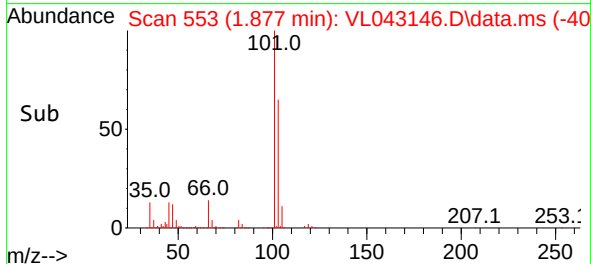
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1104ABS01



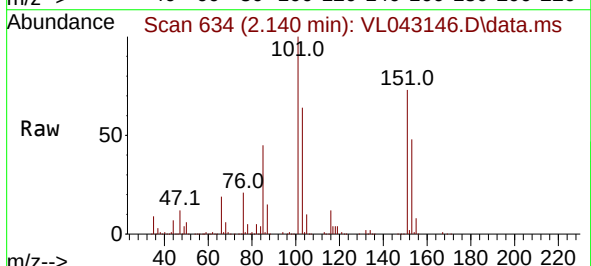
Tgt Ion:101 Resp: 173088
 Ion Ratio Lower Upper
 101 100
 103 65.1 49.3 73.9

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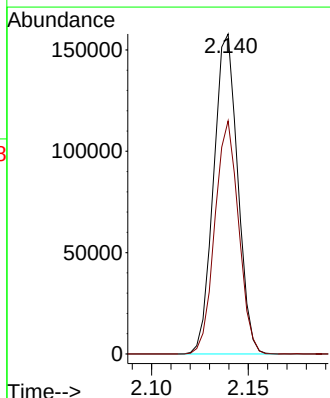
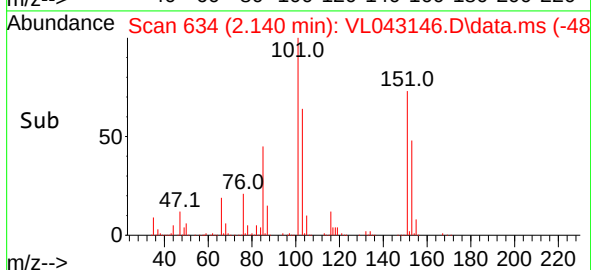
Reviewed By :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025

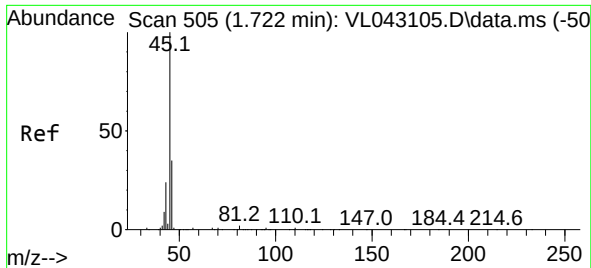


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.387 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. -0.004 min
 Lab File: VL043146.D
 Acq: 04 Nov 2025 09:48



Tgt Ion:101 Resp: 136304
 Ion Ratio Lower Upper
 101 100
 151 71.8 54.7 82.1





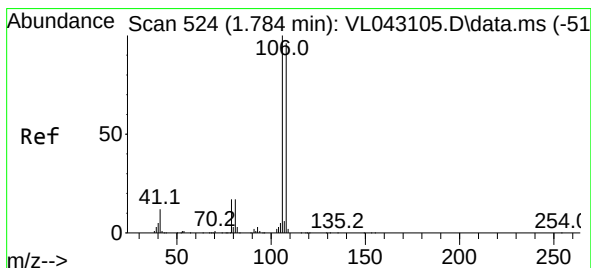
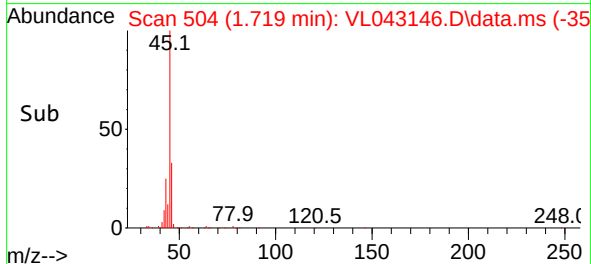
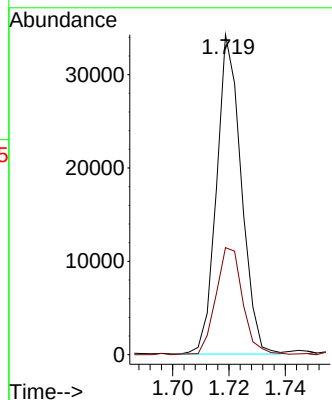
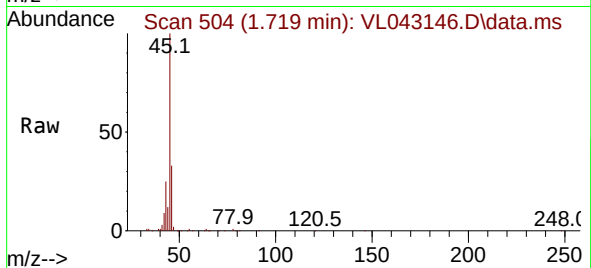
#13
Ethanol
Concen: 7.048 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.004 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01

Tgt Ion: 45 Resp: 2084
Ion Ratio Lower Upper
45 100
46 36.6 14.7 58.9

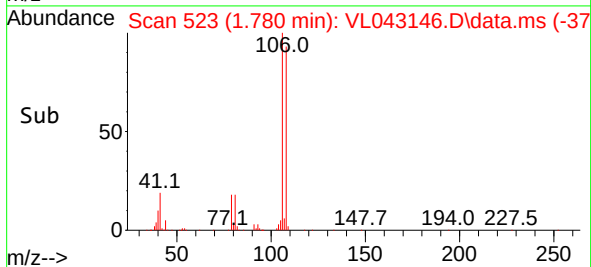
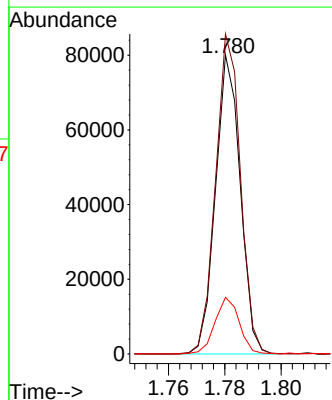
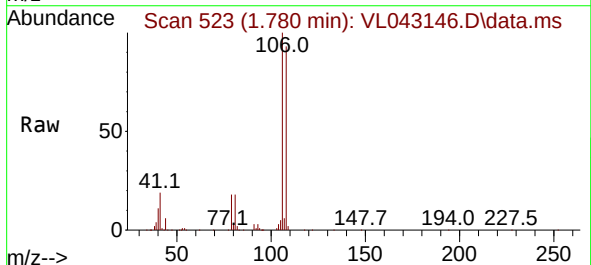
Manual Integrations
APPROVED

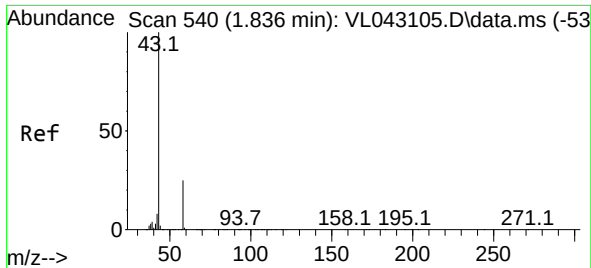
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#14
Bromoethene
Concen: 10.015 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.004 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

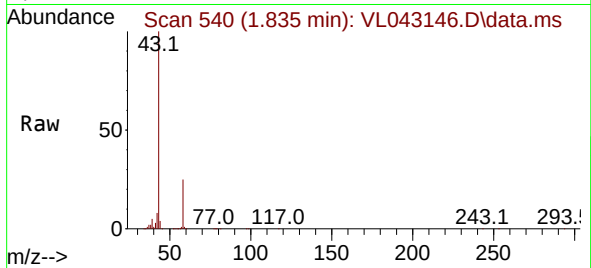
Tgt Ion:108 Resp: 48820
Ion Ratio Lower Upper
108 100
106 107.8 84.4 126.6
79 19.0 15.3 22.9





#15
Acetone
Concen: 8.470 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

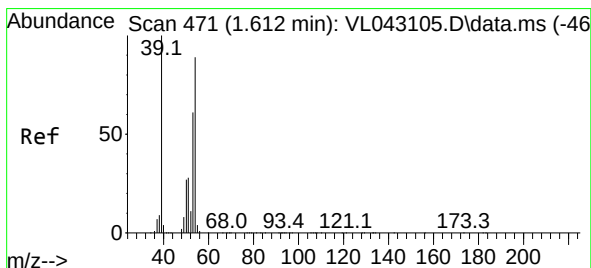
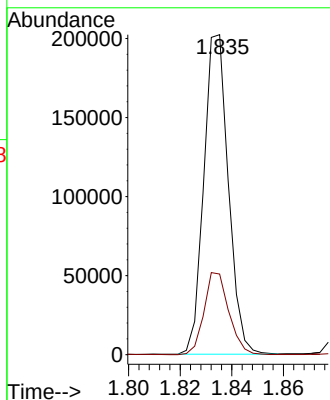
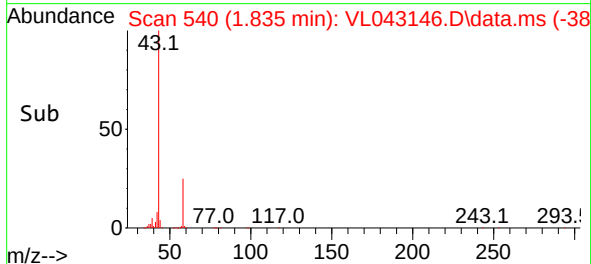
Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01



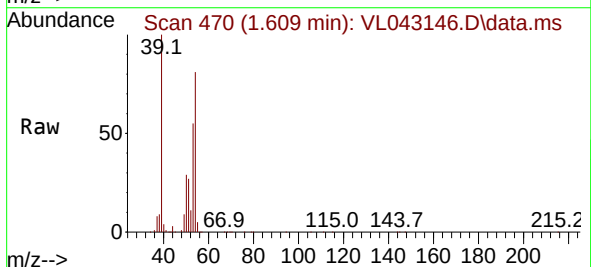
Tgt Ion: 43 Resp: 13381
Ion Ratio Lower Upper
43 100
58 26.1 20.8 31.2

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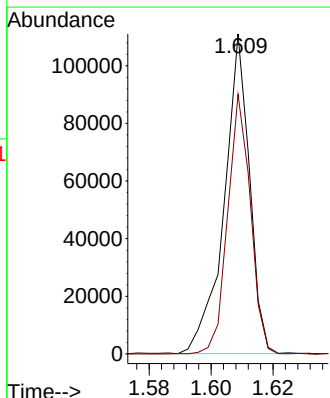
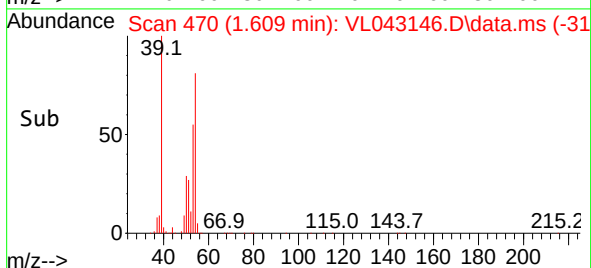
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

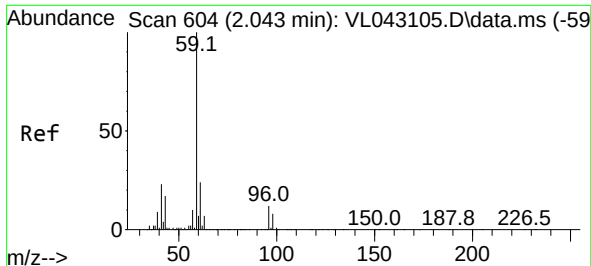


#16
1,3-Butadiene
Concen: 8.390 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.004 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48



Tgt Ion: 39 Resp: 63171
Ion Ratio Lower Upper
39 100
54 72.7 59.0 88.4





#17

tert-Butyl alcohol

Concen: 9.316 ppbv

RT: 2.039 min Scan# 604

Delta R.T. -0.004 min

Lab File: VL043146.D

Acq: 04 Nov 2025 09:48

Instrument :

MSVOA_L

ClientSampleId :

VL1104ABS01

Tgt Ion: 59 Resp: 20202

Ion Ratio Lower Upper

59 100

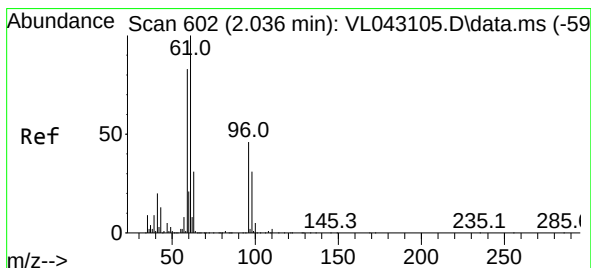
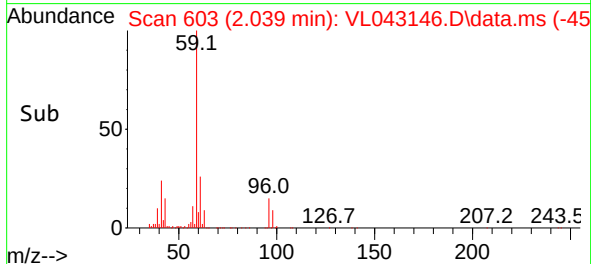
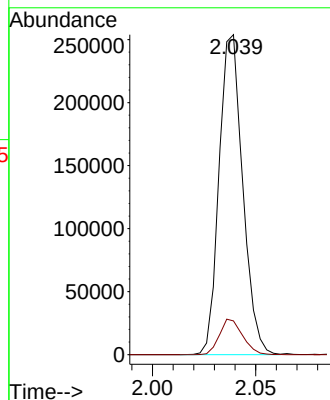
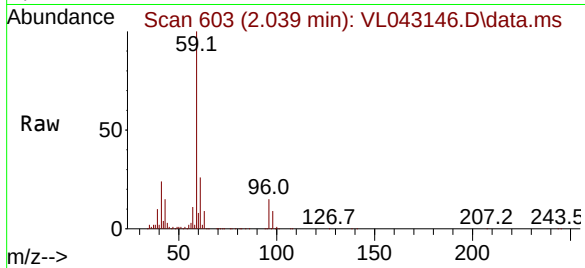
57 10.9 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#18

1,1-Dichloroethene

Concen: 10.363 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.004 min

Lab File: VL043146.D

Acq: 04 Nov 2025 09:48

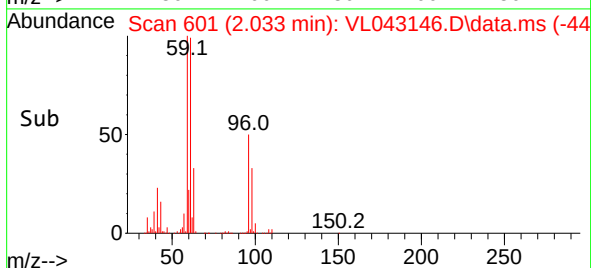
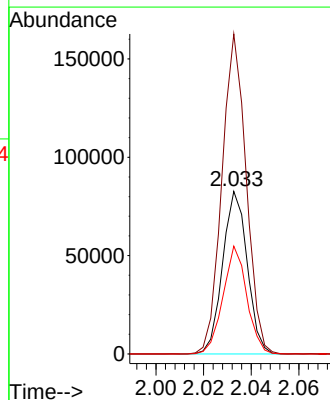
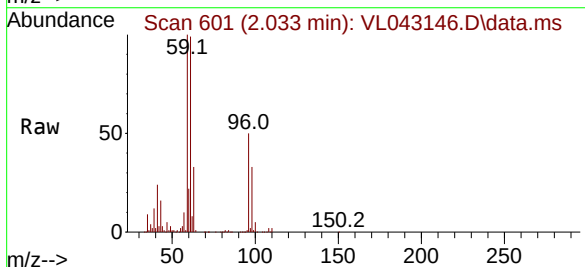
Tgt Ion: 96 Resp: 59286

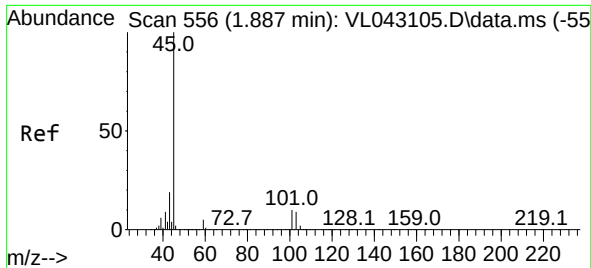
Ion Ratio Lower Upper

96 100

61 196.8 173.4 260.0

98 66.3 53.2 79.8





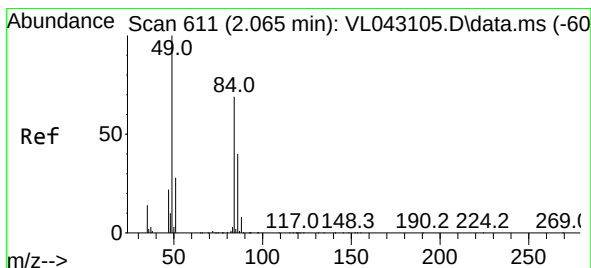
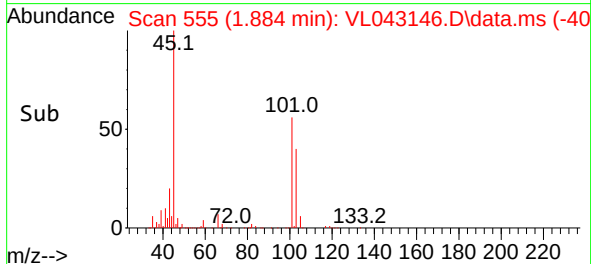
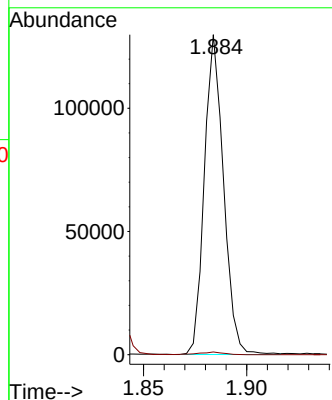
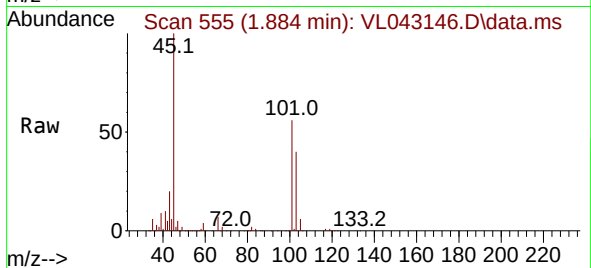
#19
Isopropyl Alcohol
Concen: 8.514 ppbv
RT: 1.884 min Scan# 51
Delta R.T. -0.004 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01

Tgt Ion: 45 Resp: 83769
Ion Ratio Lower Upper
45 100
58 41.6 31.3 46.9

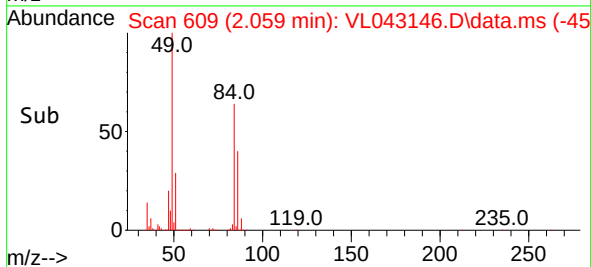
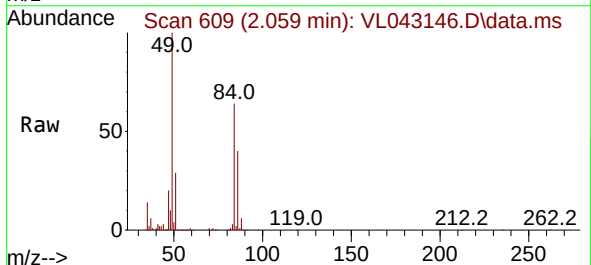
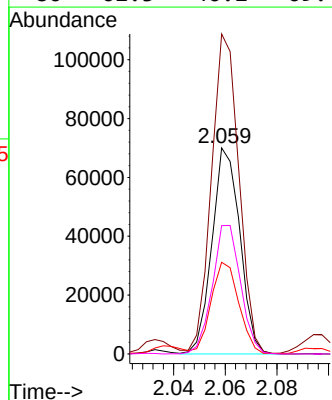
Manual Integrations
APPROVED

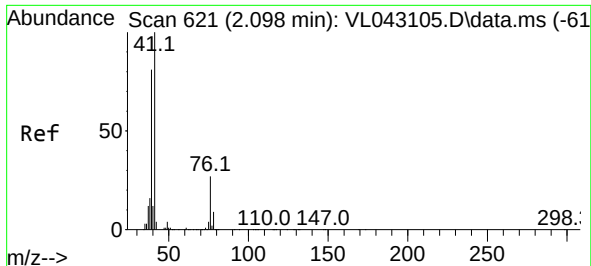
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#20
Methylene Chloride
Concen: 8.413 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.007 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

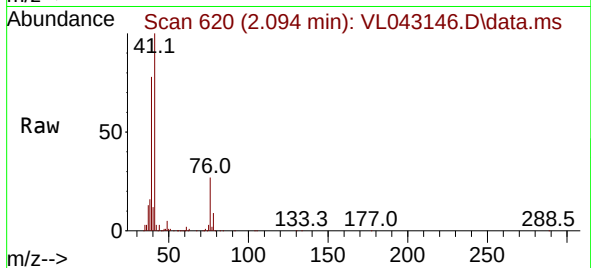
Tgt Ion: 84 Resp: 52539
Ion Ratio Lower Upper
84 100
49 154.9 116.6 175.0
51 44.2 34.8 52.2
86 62.3 46.2 69.4





#21
 Allyl Chloride
 Concen: 8.989 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.004 min
 Lab File: VL043146.D
 Acq: 04 Nov 2025 09:48

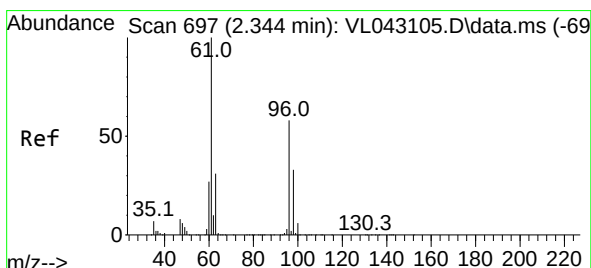
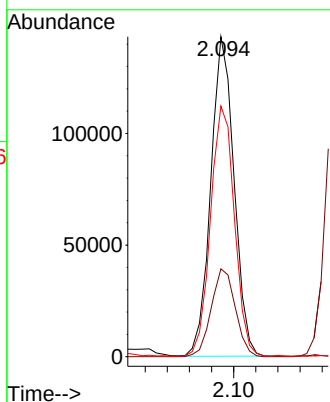
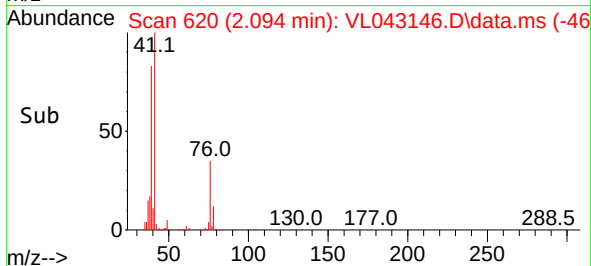
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1104ABS01



Tgt Ion: 41 Resp: 10464
 Ion Ratio Lower Upper
 41 100
 76 28.4 21.5 32.3
 39 80.2 60.8 91.2

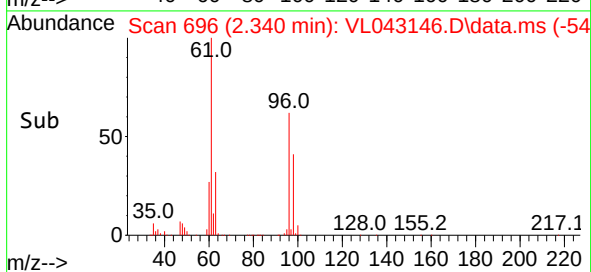
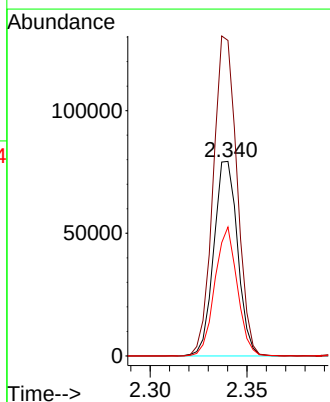
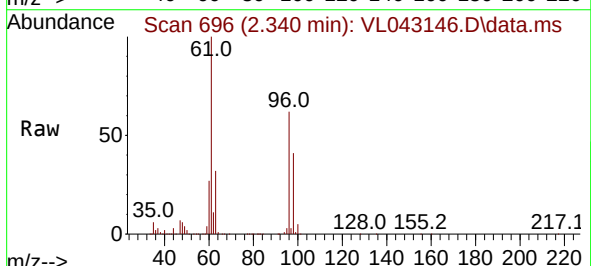
Manual Integrations
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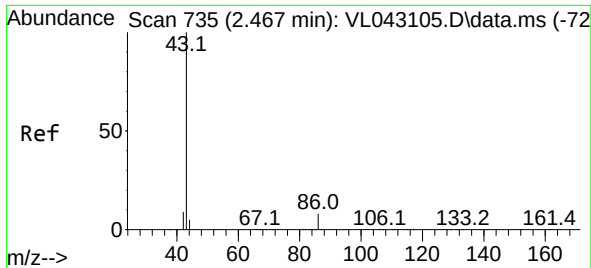
Reviewed By :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025



#22
 trans-1,2-Dichloroethene
 Concen: 9.916 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.004 min
 Lab File: VL043146.D
 Acq: 04 Nov 2025 09:48

Tgt Ion: 96 Resp: 67810
 Ion Ratio Lower Upper
 96 100
 61 162.0 137.0 205.6
 98 66.3 45.5 68.3





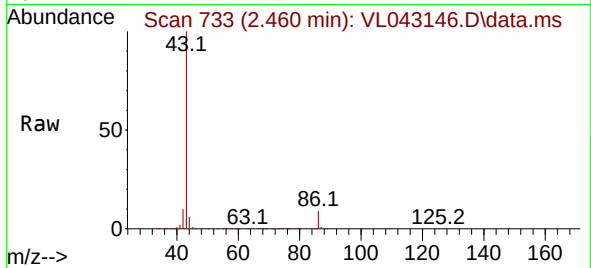
#23
 Vinyl Acetate
 Concen: 10.023 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. -0.007 min
 Lab File: VL043146.D
 Acq: 04 Nov 2025 09:48

Instrument :

MSVOA_L

ClientSampleId :

VL1104ABS01



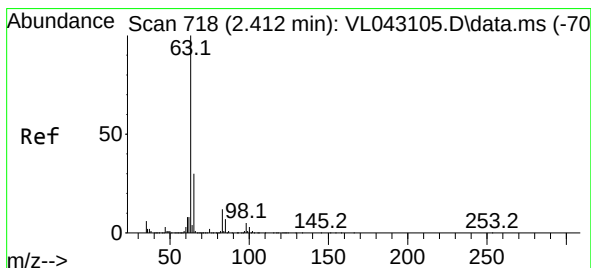
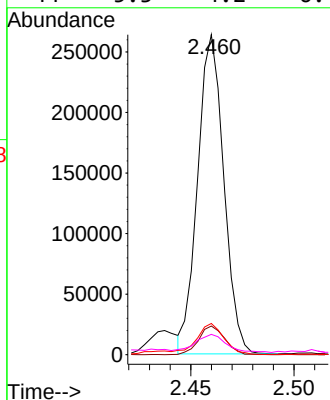
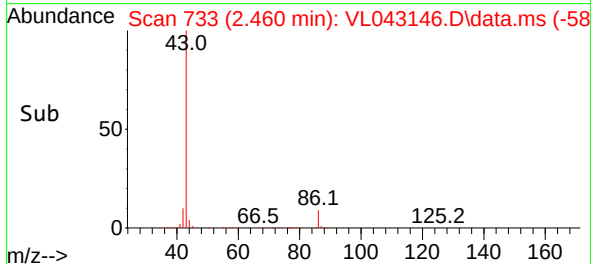
Tgt Ion: 43 Resp: 231949
 Ion Ratio Lower Upper
 43 100
 86 8.9 6.2 9.2
 42 9.7 7.6 11.4
 44 5.3 4.2 6.4

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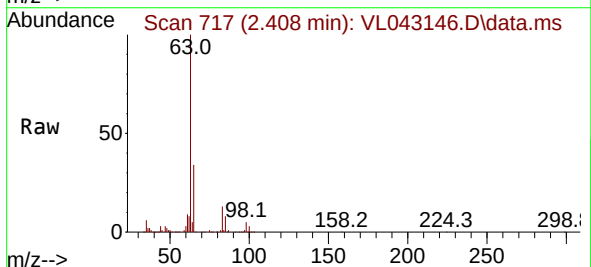
APPROVED

Reviewed By :Amit Patel 11/07/2025

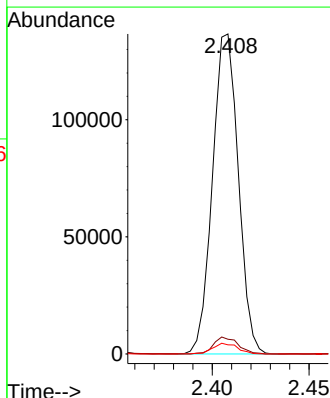
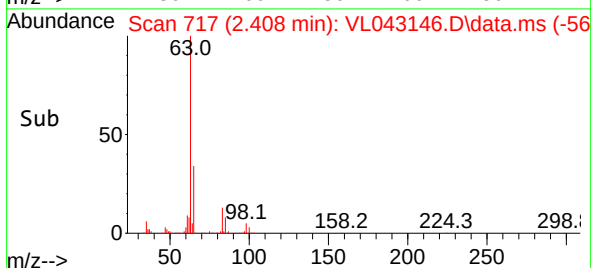
Supervised By :Mahesh Dadoda 11/07/2025

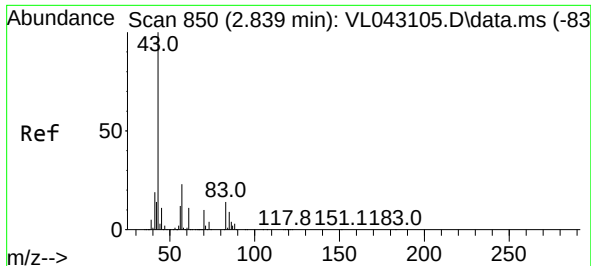


#24
 1,1-Dichloroethane
 Concen: 9.592 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.004 min
 Lab File: VL043146.D
 Acq: 04 Nov 2025 09:48



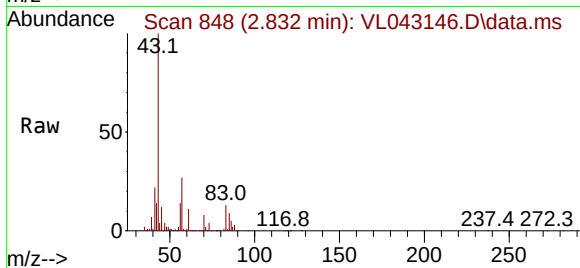
Tgt Ion: 63 Resp: 126729
 Ion Ratio Lower Upper
 63 100
 98 4.6 2.6 7.8
 100 2.8 1.5 4.4





#25
Ethyl Acetate
Concen: 9.393 ppbv
RT: 2.832 min Scan# 845
Delta R.T. -0.007 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

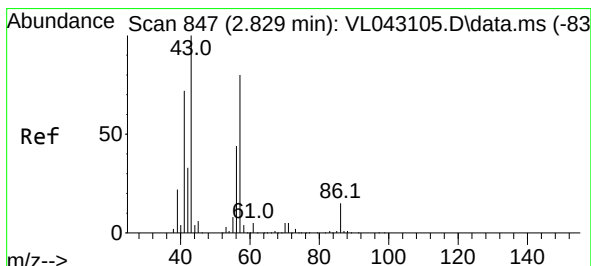
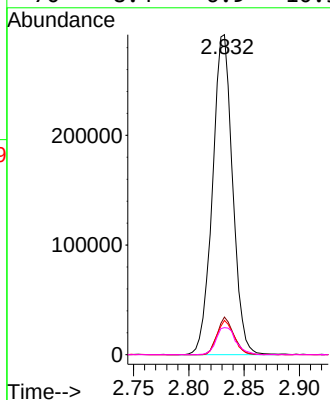
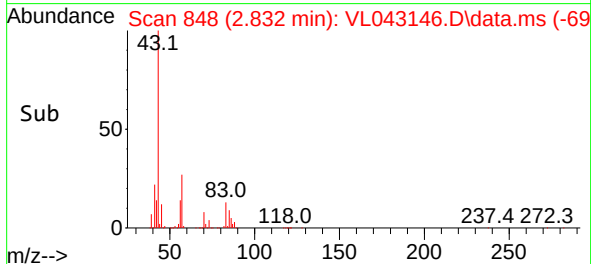
Instrument : MSVOA_L
ClientSampleId : VL1104ABS01



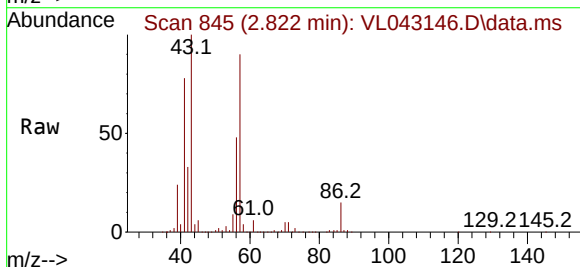
Tgt Ion: 43 Resp: 36801
Ion Ratio Lower Upper
43 100
45 9.7 7.8 11.8
61 9.1 7.0 10.6
70 8.4 6.9 10.3

Manual Integrations
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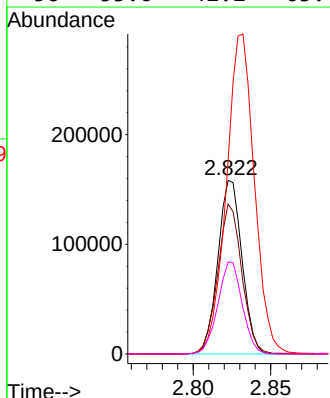
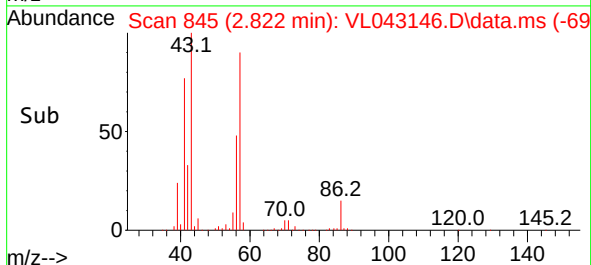
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

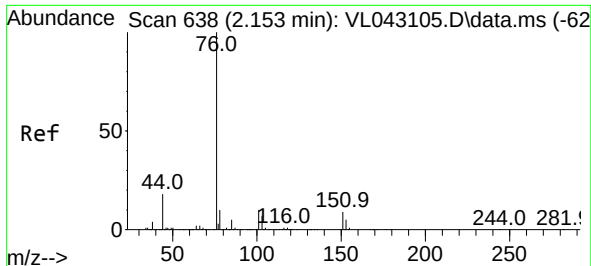


#26
Hexane
Concen: 9.486 ppbv
RT: 2.822 min Scan# 845
Delta R.T. -0.007 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48



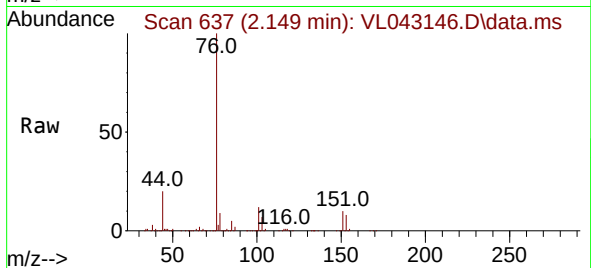
Tgt Ion: 57 Resp: 171240
Ion Ratio Lower Upper
57 100
41 87.2 71.4 107.0
43 215.1 178.5 267.7
56 53.6 42.2 63.4





#27
Carbon Disulfide
Concen: 9.874 ppbv
RT: 2.149 min Scan# 61
Delta R.T. -0.004 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

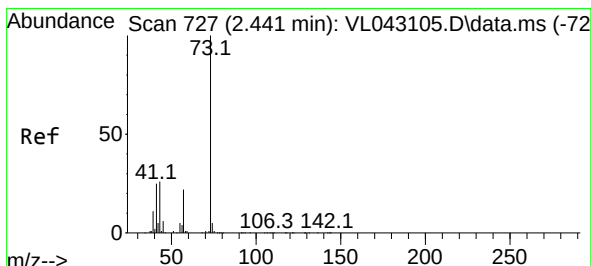
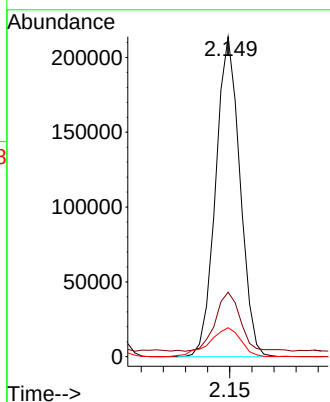
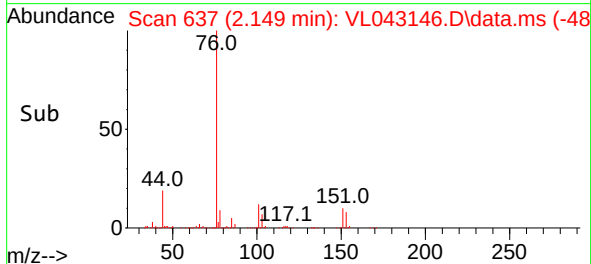
Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01



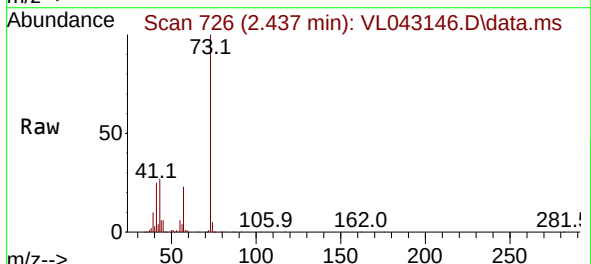
Tgt Ion: 76 Resp: 163324
Ion Ratio Lower Upper
76 100
44 22.5 16.7 25.1
78 11.8 9.3 13.9

Manual Integrations
APPROVED

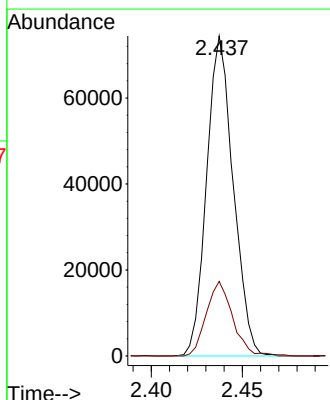
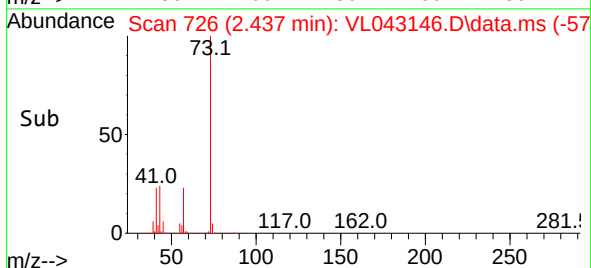
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

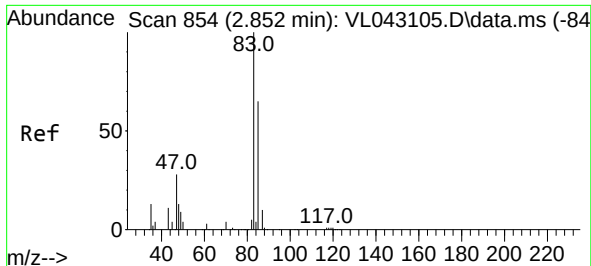


#28
Methyl tert-Butyl Ether
Concen: 9.201 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.004 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48



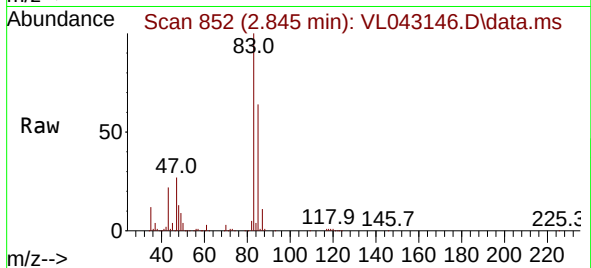
Tgt Ion: 73 Resp: 75568
Ion Ratio Lower Upper
73 100
57 23.2 20.5 30.7





#29
Chloroform
Concen: 10.489 ppbv
RT: 2.845 min Scan# 852
Delta R.T. -0.007 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

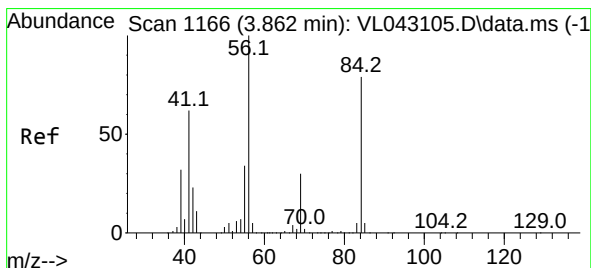
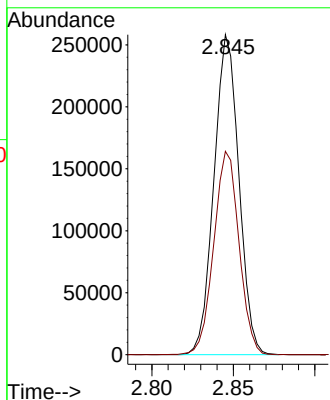
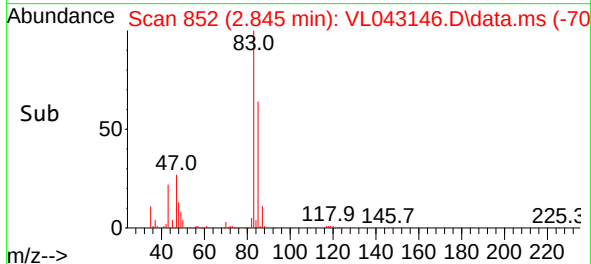
Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01



Tgt Ion: 83 Resp: 274359
Ion Ratio Lower Upper
83 100
85 63.5 51.8 77.6

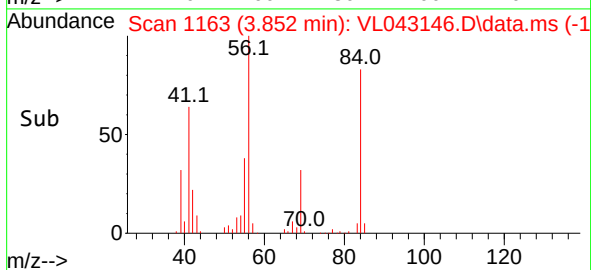
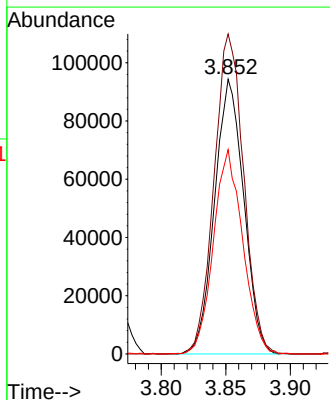
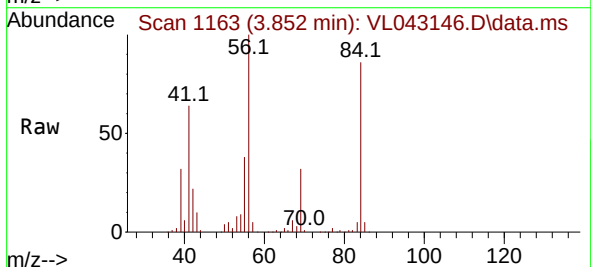
Manual Integrations
APPROVED

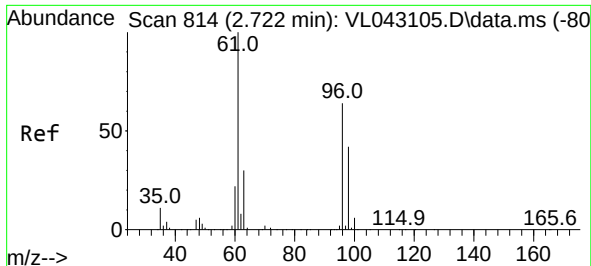
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#30
Cyclohexane
Concen: 9.419 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.010 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

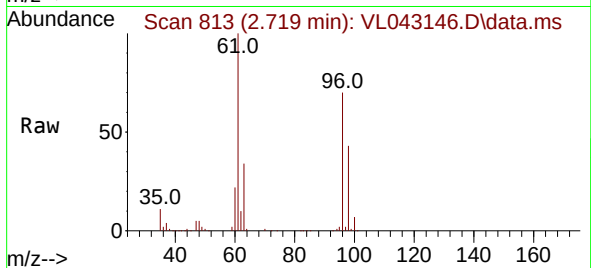
Tgt Ion: 84 Resp: 148402
Ion Ratio Lower Upper
84 100
56 118.0 100.9 151.3
41 74.6 63.8 95.6





#31
 cis-1,2-Dichloroethene
 Concen: 10.190 ppbv
 RT: 2.719 min Scan# 814
 Delta R.T. -0.004 min
 Lab File: VL043146.D
 Acq: 04 Nov 2025 09:48

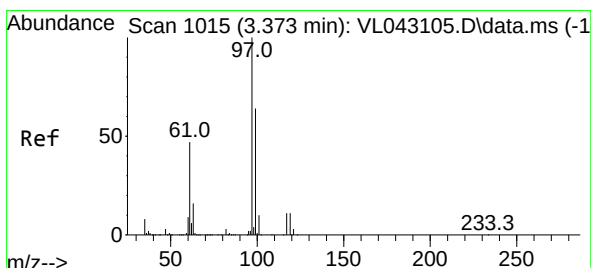
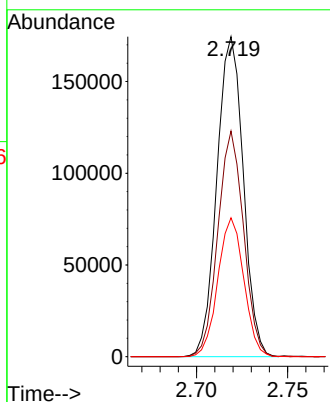
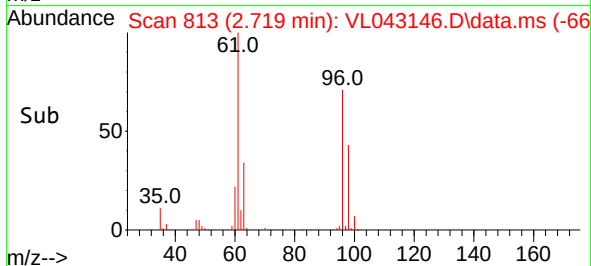
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1104ABS01



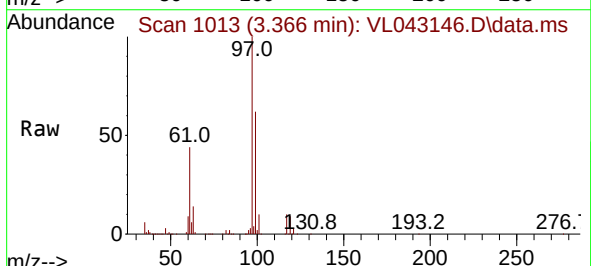
Tgt Ion: 61 Resp: 17565
 Ion Ratio Lower Upper
 61 100
 96 70.5 51.0 76.6
 98 43.4 33.5 50.3

Manual Integrations
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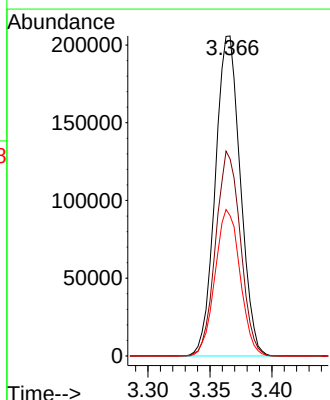
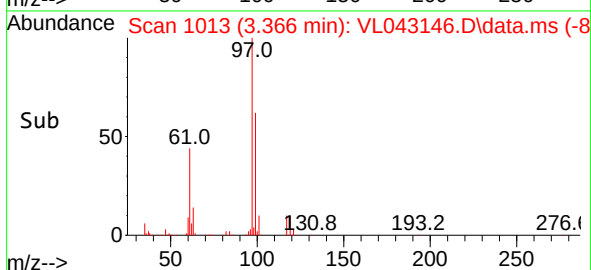
Reviewed By :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025

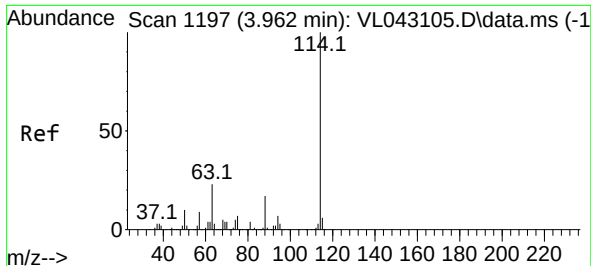


#32
 1,1,1-Trichloroethane
 Concen: 10.664 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. -0.007 min
 Lab File: VL043146.D
 Acq: 04 Nov 2025 09:48



Tgt Ion: 97 Resp: 290473
 Ion Ratio Lower Upper
 97 100
 99 63.1 51.3 76.9
 61 45.7 38.4 57.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1197

Delta R.T. -0.010 min

Lab File: VL043146.D

Acq: 04 Nov 2025 09:48

Instrument :

MSVOA_L

ClientSampleId :

VL1104ABS01

Tgt Ion:114 Resp: 37666

Ion Ratio Lower Upper

114 100

63 24.2 19.3 28.9

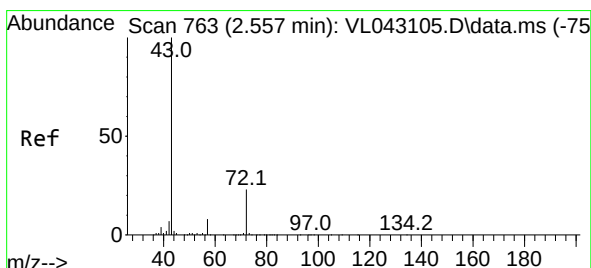
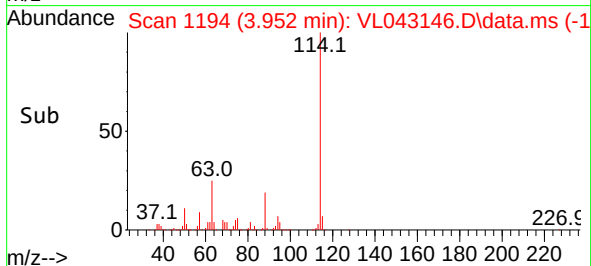
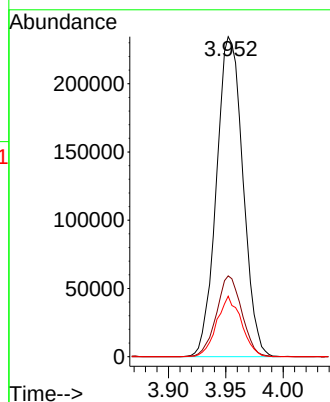
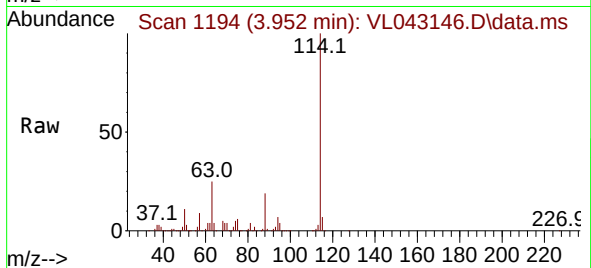
88 17.6 13.9 20.9

Manual Integrations

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Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#34

2-Butanone

Concen: 9.578 ppbv

RT: 2.554 min Scan# 762

Delta R.T. -0.004 min

Lab File: VL043146.D

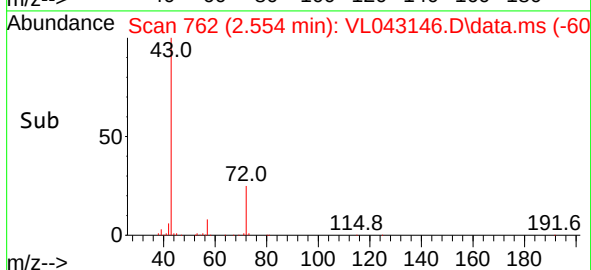
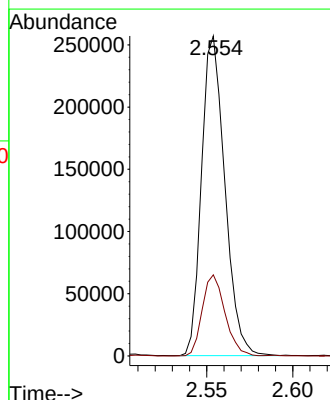
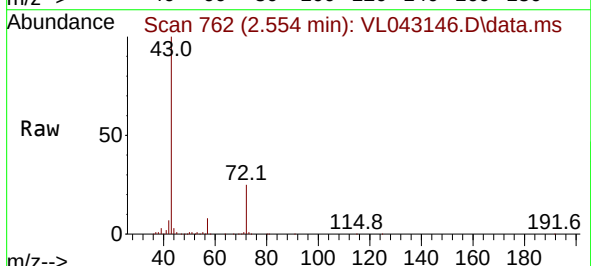
Acq: 04 Nov 2025 09:48

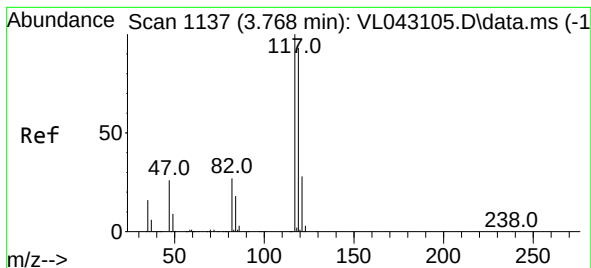
Tgt Ion: 43 Resp: 242501

Ion Ratio Lower Upper

43 100

72 24.9 18.4 27.6





#35

Carbon Tetrachloride

Concen: 10.851 ppbv

RT: 3.758 min Scan# 1137

Delta R.T. -0.010 min

Lab File: VL043146.D

Acq: 04 Nov 2025 09:48

Instrument :

MSVOA_L

ClientSampleId :

VL1104ABS01

Tgt Ion:117 Resp: 29385

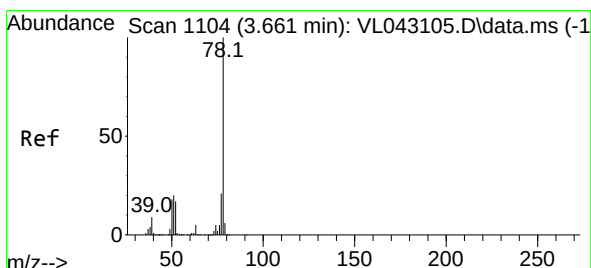
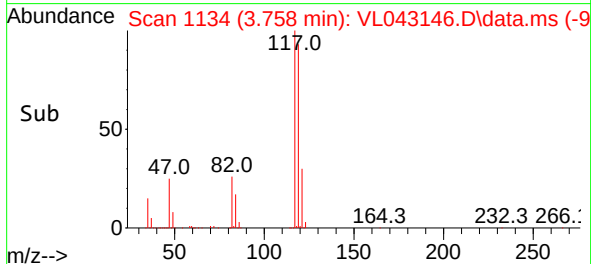
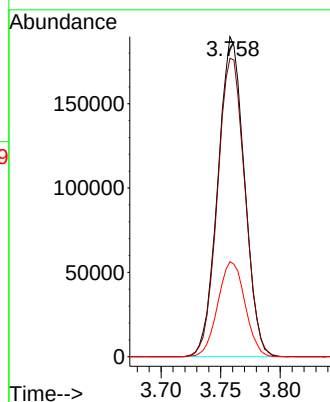
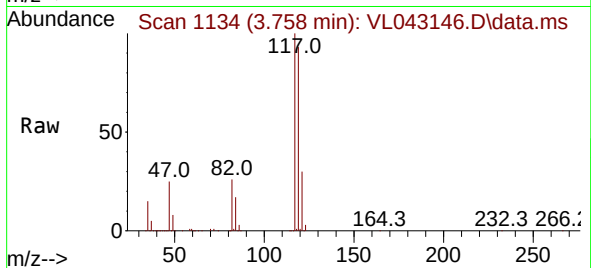
Ion	Ratio	Lower	Upper
117	100		
119	93.3	74.1	111.1
121	29.7	22.2	33.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#36

Benzene

Concen: 9.856 ppbv

RT: 3.651 min Scan# 1101

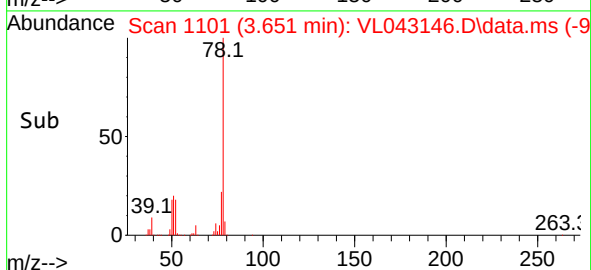
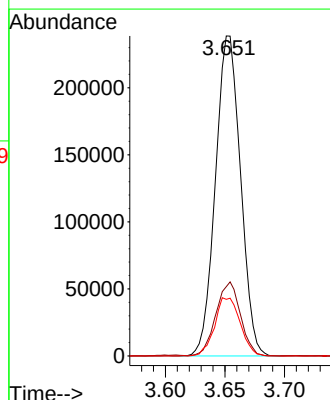
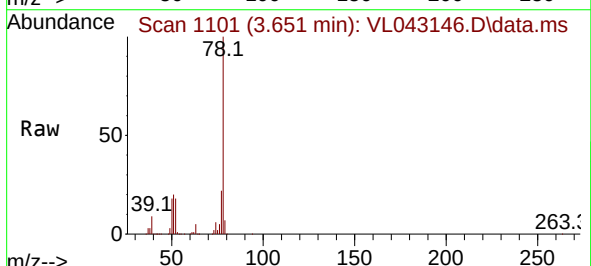
Delta R.T. -0.010 min

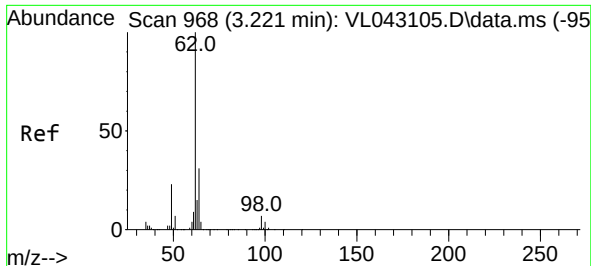
Lab File: VL043146.D

Acq: 04 Nov 2025 09:48

Tgt Ion: 78 Resp: 349653

Ion	Ratio	Lower	Upper
78	100		
77	21.7	17.0	25.6
50	17.7	14.6	22.0





#37

1,2-Dichloroethane

Concen: 10.417 ppbv

RT: 3.214 min Scan# 9

Delta R.T. -0.007 min

Lab File: VL043146.D

Acq: 04 Nov 2025 09:48

Instrument :

MSVOA_L

ClientSampleId :

VL1104ABS01

Tgt Ion: 62 Resp: 21289

Ion Ratio Lower Upper

62 100

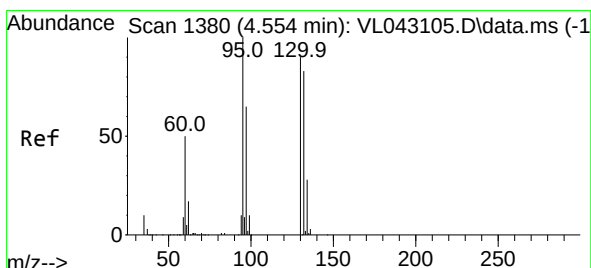
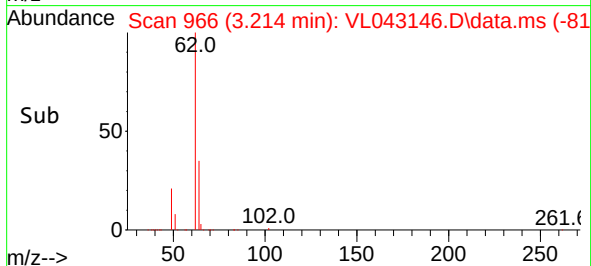
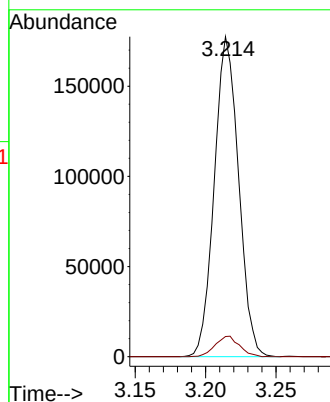
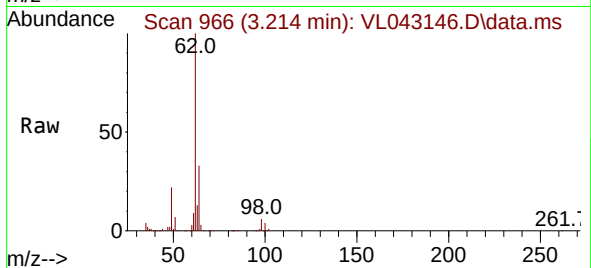
98 6.4 5.8 8.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#38

Trichloroethene

Concen: 9.523 ppbv

RT: 4.541 min Scan# 1376

Delta R.T. -0.013 min

Lab File: VL043146.D

Acq: 04 Nov 2025 09:48

Tgt Ion:130 Resp: 141092

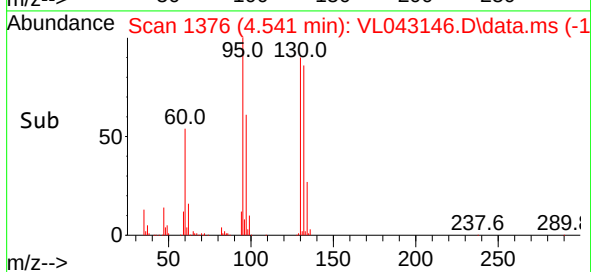
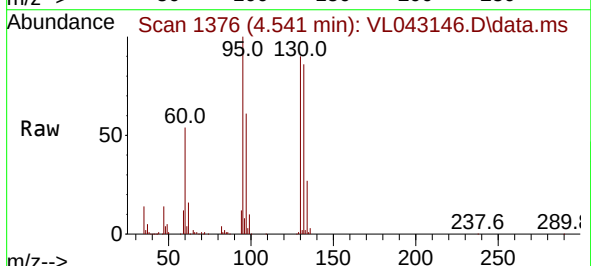
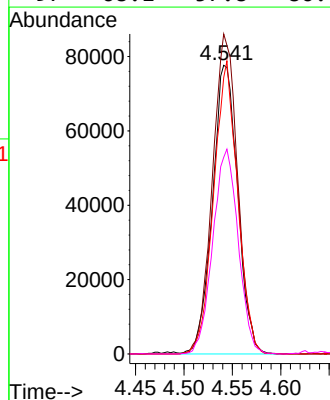
Ion Ratio Lower Upper

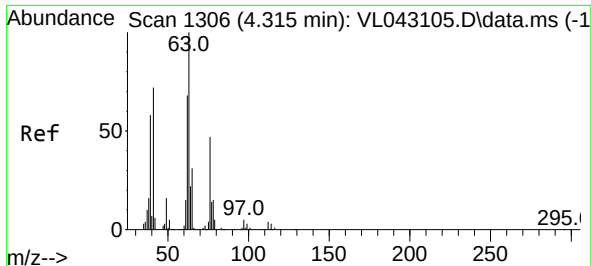
130 100

95 110.8 88.6 133.0

132 95.7 73.4 110.0

97 68.1 57.8 86.6





#39

1,2-Dichloropropane

Concen: 9.594 ppbv

RT: 4.308 min Scan# 1304

Delta R.T. -0.007 min

Lab File: VL043146.D

Acq: 04 Nov 2025 09:48

Instrument :

MSVOA_L

ClientSampleId :

VL1104ABS01

Tgt Ion: 63 Resp: 124420

Ion Ratio Lower Upper

63 100

41 75.6 58.0 87.0

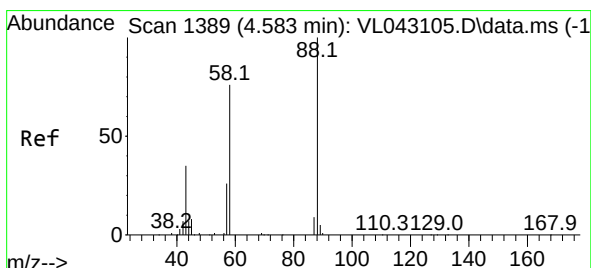
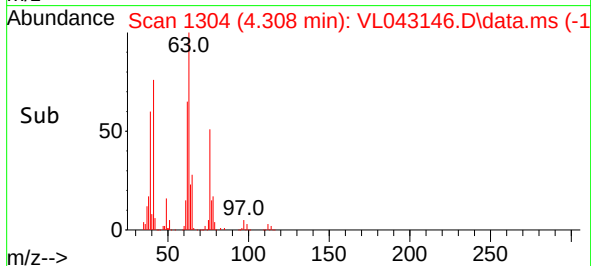
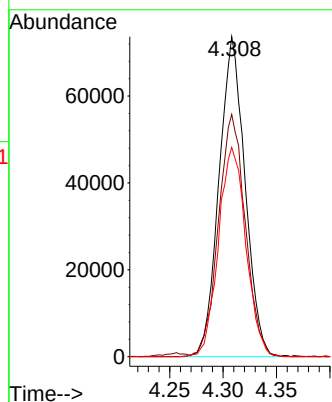
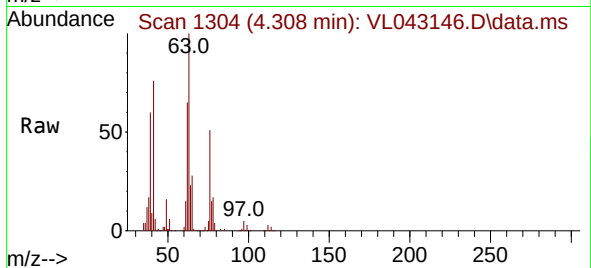
62 65.4 54.7 82.1

Manual Integrations

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Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#40

1,4-Dioxane

Concen: 9.287 ppbv

RT: 4.570 min Scan# 1385

Delta R.T. -0.013 min

Lab File: VL043146.D

Acq: 04 Nov 2025 09:48

Tgt Ion: 88 Resp: 53899

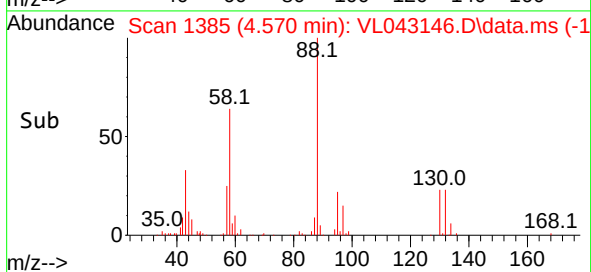
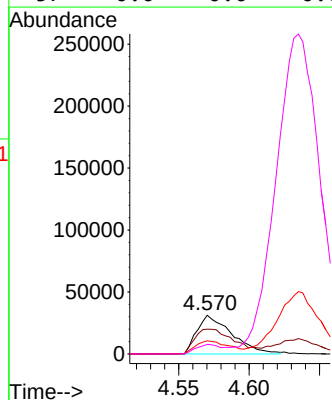
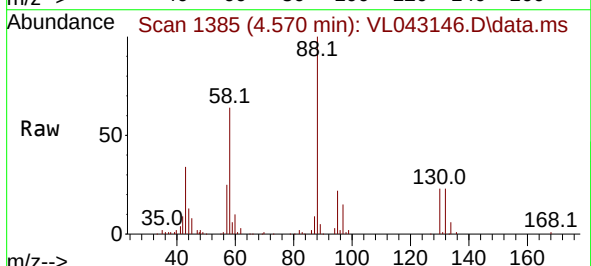
Ion Ratio Lower Upper

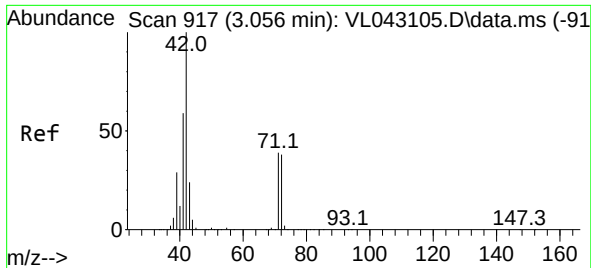
88 100

58 72.0 61.1 91.7

43 33.4 24.0 36.0

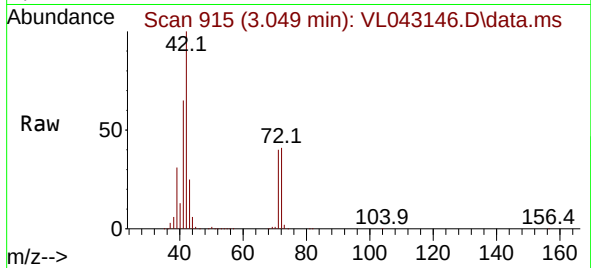
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 9.047 ppbv
RT: 3.049 min Scan# 915
Delta R.T. -0.007 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

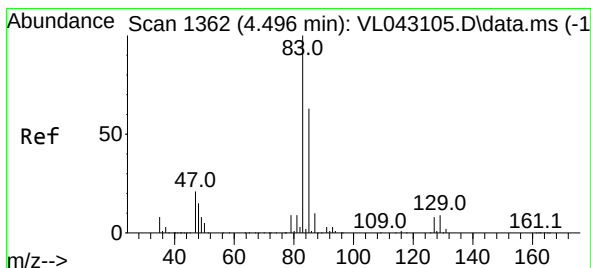
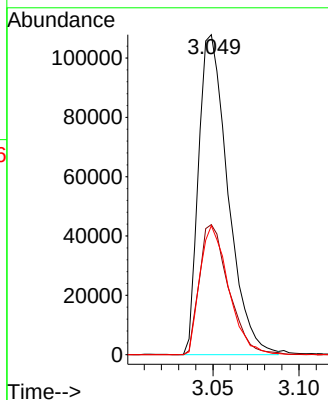
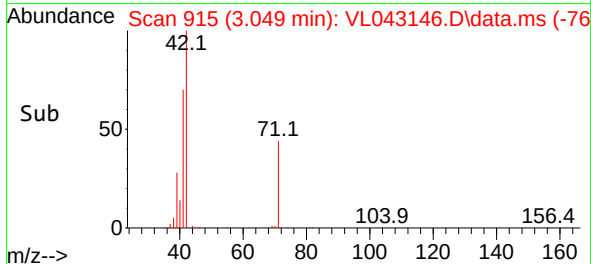
Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01



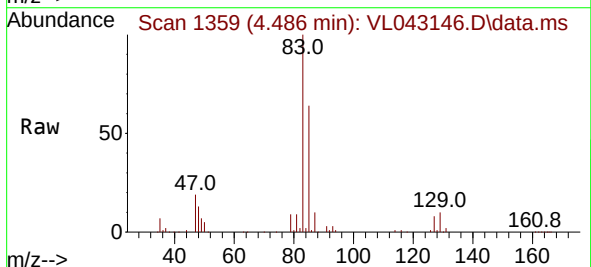
Tgt Ion: 42 Resp: 12811
Ion Ratio Lower Upper
42 100
72 40.8 31.3 46.9
71 39.6 30.4 45.6

Manual Integrations
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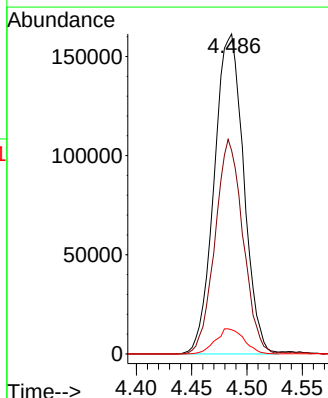
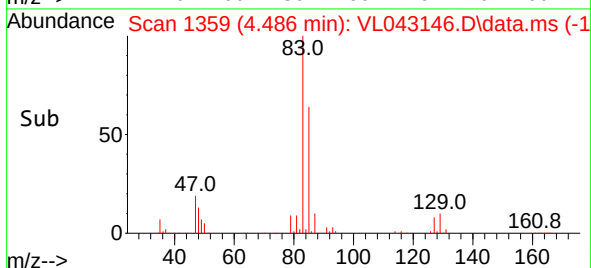
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

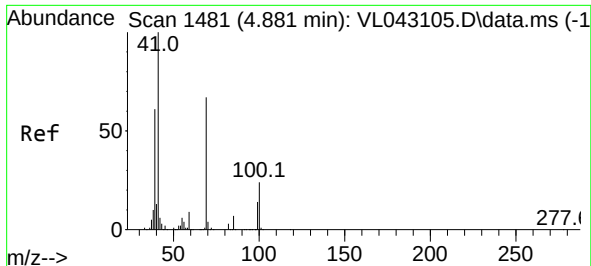


#42
Bromodichloromethane
Concen: 10.561 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. -0.010 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48



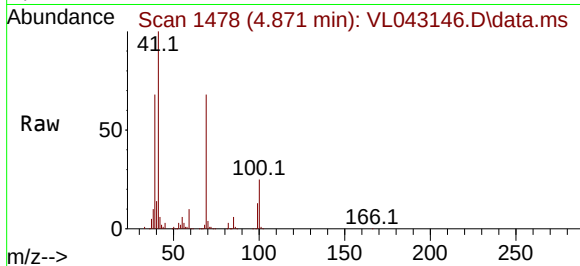
Tgt Ion: 83 Resp: 298731
Ion Ratio Lower Upper
83 100
85 63.6 50.6 75.8
127 7.5 6.3 9.5





#43
Methyl Methacrylate
Concen: 9.362 ppbv
RT: 4.871 min Scan# 1481
Delta R.T. -0.010 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

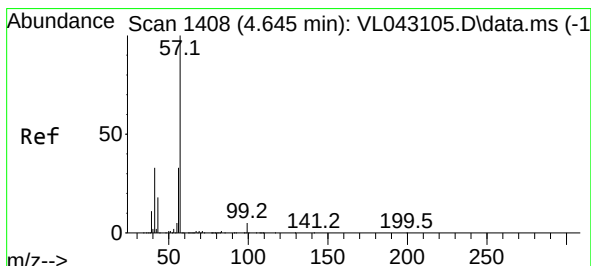
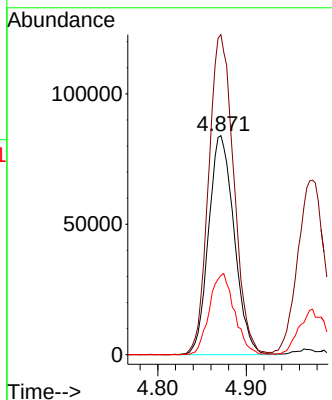
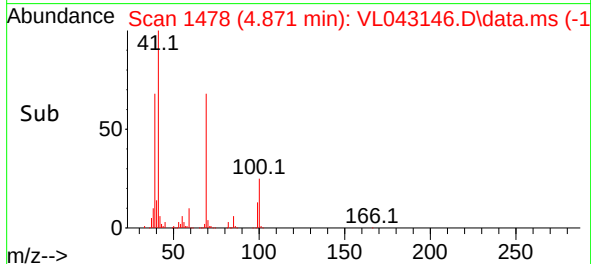
Instrument : MSVOA_L
Client Sample Id : VL1104ABS01



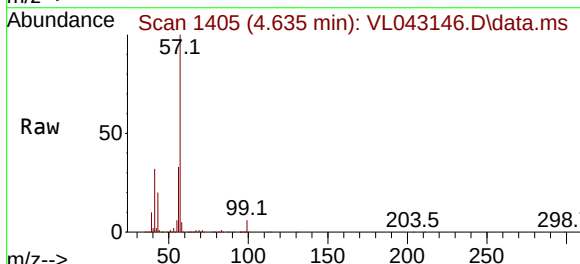
Tgt Ion: 69 Resp: 16868
Ion Ratio Lower Upper
69 100
41 143.7 120.5 180.7
100 36.3 29.0 43.4

Manual Integrations
APPROVED

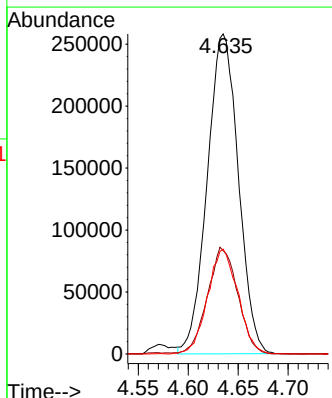
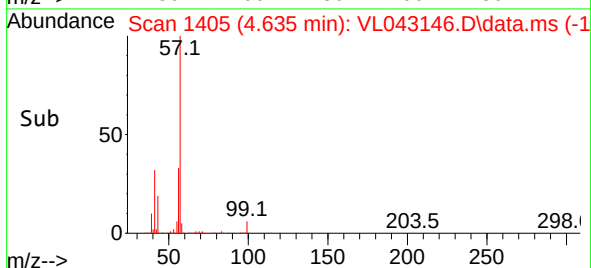
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

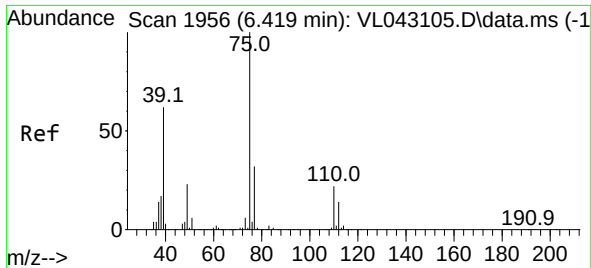


#44
2,2,4-Trimethylpentane
Concen: 9.352 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.010 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48



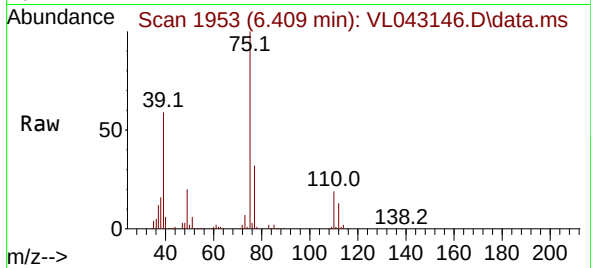
Tgt Ion: 57 Resp: 559739
Ion Ratio Lower Upper
57 100
41 32.9 26.3 39.5
56 32.0 25.9 38.9





#45
 t-1,3-Dichloropropene
 Concen: 9.771 ppbv
 RT: 6.409 min Scan# 1956
 Delta R.T. -0.010 min
 Lab File: VL043146.D
 Acq: 04 Nov 2025 09:48

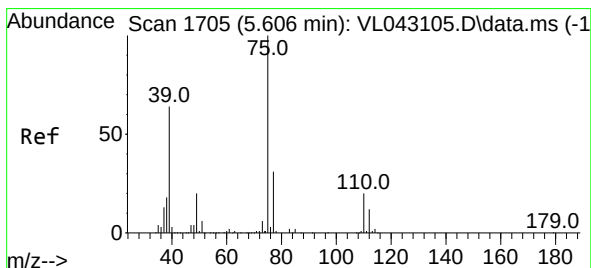
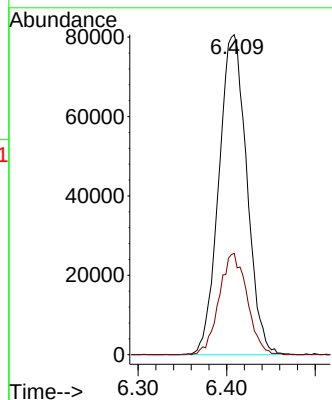
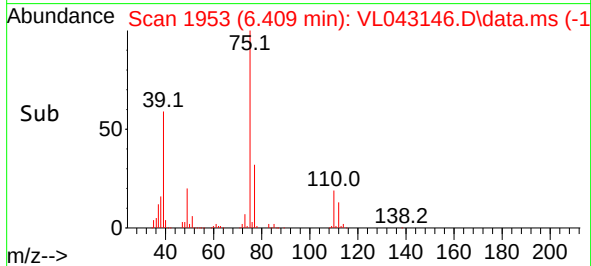
Instrument : MSVOA_L
 ClientSampleId : VL1104ABS01



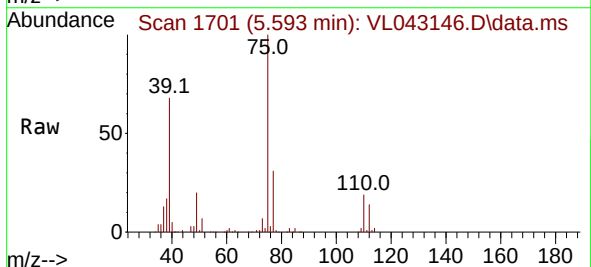
Tgt Ion: 75 Resp: 17668
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.2

Manual Integrations
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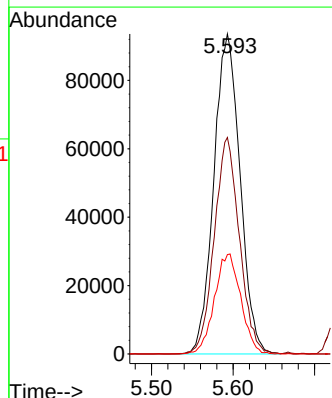
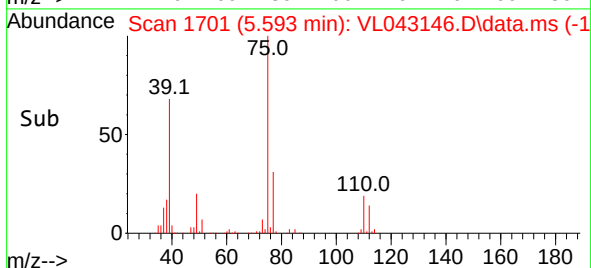
Reviewed By :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025

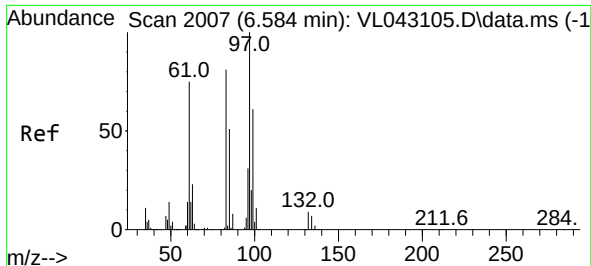


#46
 cis-1,3-Dichloropropene
 Concen: 9.693 ppbv
 RT: 5.593 min Scan# 1701
 Delta R.T. -0.013 min
 Lab File: VL043146.D
 Acq: 04 Nov 2025 09:48



Tgt Ion: 75 Resp: 209372
 Ion Ratio Lower Upper
 75 100
 39 67.6 51.0 76.6
 77 31.0 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 9.871 ppbv

RT: 6.577 min Scan# 2007

Delta R.T. -0.007 min

Lab File: VL043146.D

Acq: 04 Nov 2025 09:48

Instrument :

MSVOA_L

ClientSampleId :

VL1104ABS01

Tgt Ion: 97 Resp: 13825

Ion Ratio Lower Upper

97 100

83 84.4 64.6 96.8

85 52.5 40.6 60.8

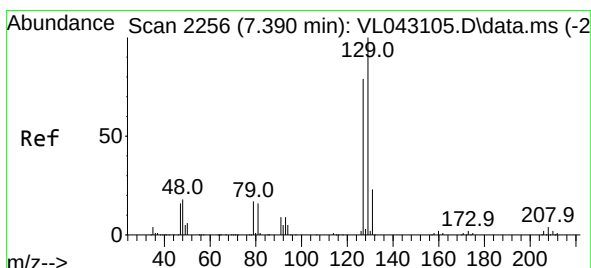
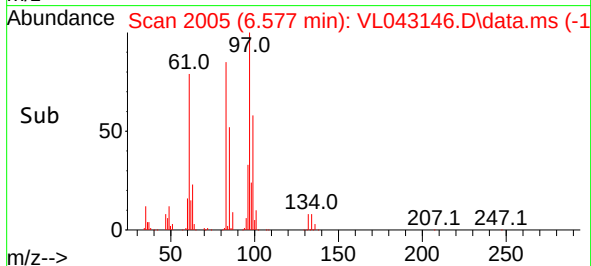
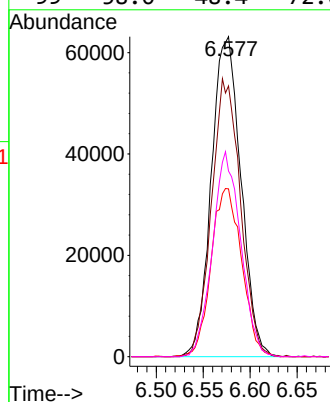
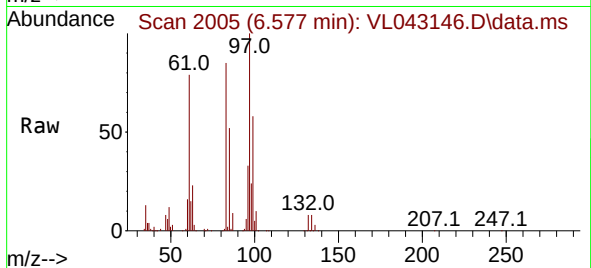
99 58.0 48.4 72.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#48

Dibromochloromethane

Concen: 10.598 ppbv

RT: 7.380 min Scan# 2253

Delta R.T. -0.010 min

Lab File: VL043146.D

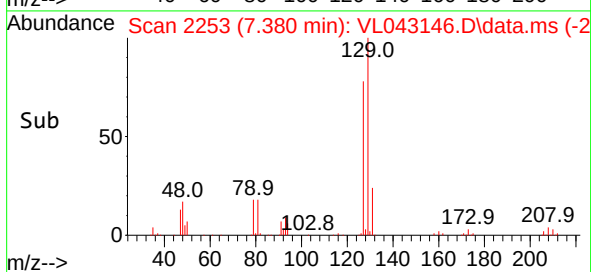
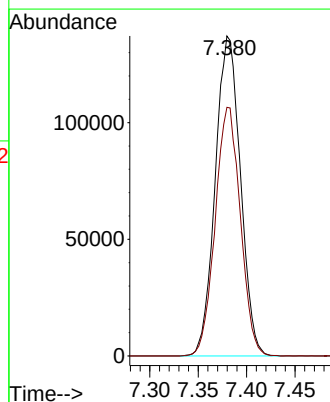
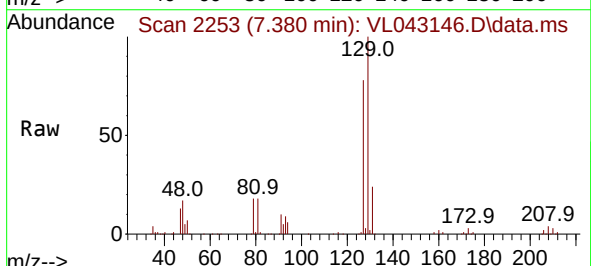
Acq: 04 Nov 2025 09:48

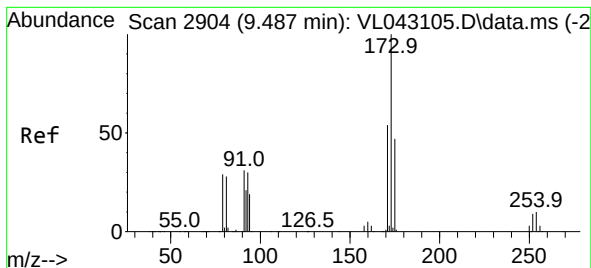
Tgt Ion:129 Resp: 248177

Ion Ratio Lower Upper

129 100

127 77.7 39.3 117.9





#49

Bromoform

Concen: 11.075 ppbv

RT: 9.477 min Scan# 2904

Delta R.T. -0.010 min

Lab File: VL043146.D

Acq: 04 Nov 2025 09:48

Instrument :

MSVOA_L

ClientSampleId :

VL1104ABS01

Tgt Ion:173 Resp: 210814

Ion Ratio Lower Upper

173 100

175 49.2 38.8 58.2

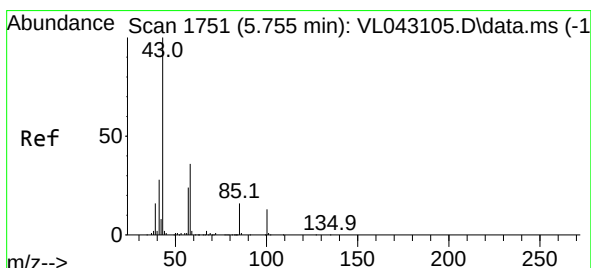
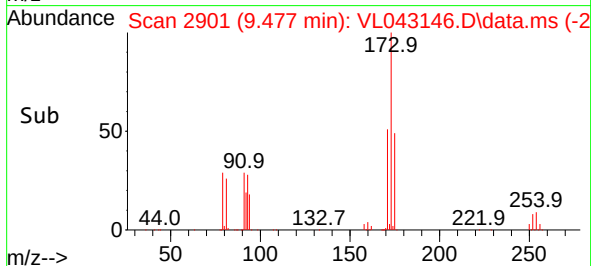
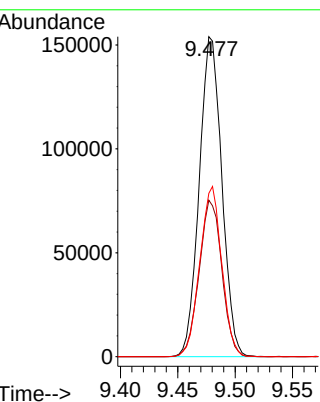
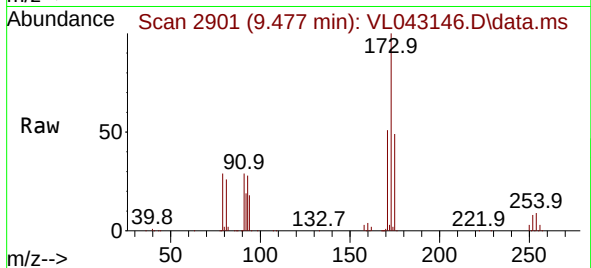
171 51.7 41.7 62.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#50

4-Methyl-2-Pentanone

Concen: 8.935 ppbv

RT: 5.739 min Scan# 1746

Delta R.T. -0.016 min

Lab File: VL043146.D

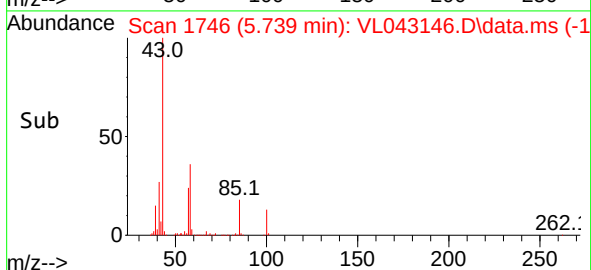
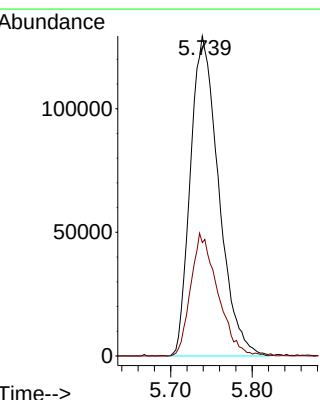
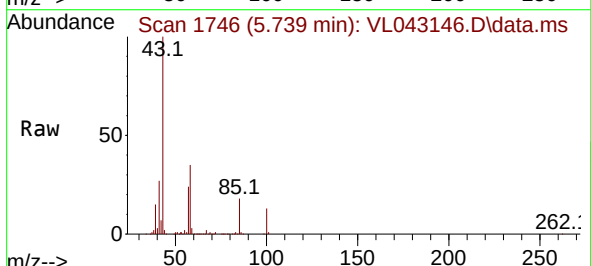
Acq: 04 Nov 2025 09:48

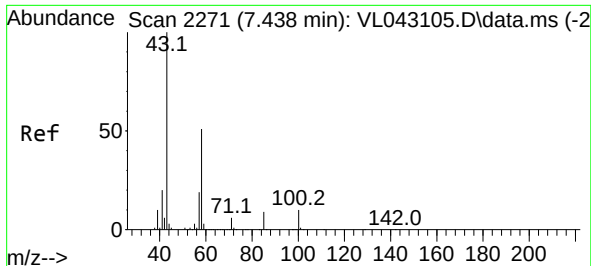
Tgt Ion: 43 Resp: 312202

Ion Ratio Lower Upper

43 100

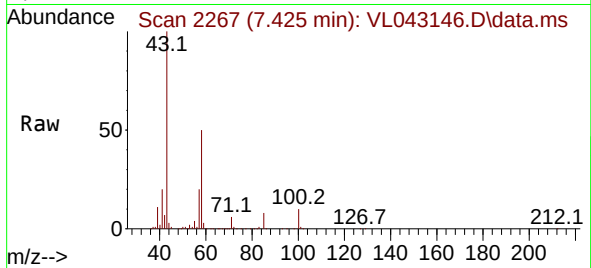
58 36.7 29.1 43.7





#51
2-Hexanone
Concen: 9.024 ppbv
RT: 7.425 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

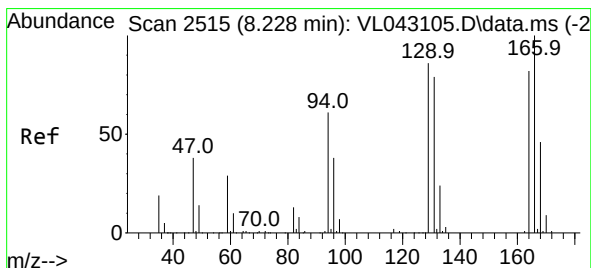
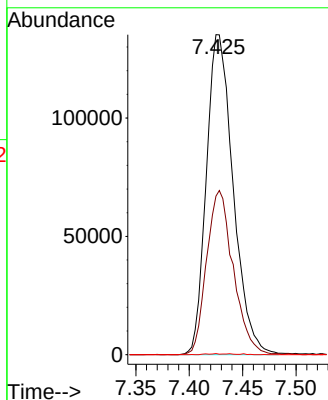
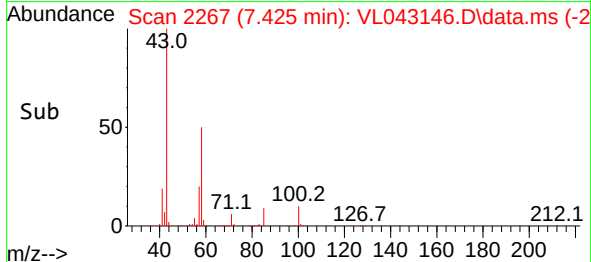
Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01



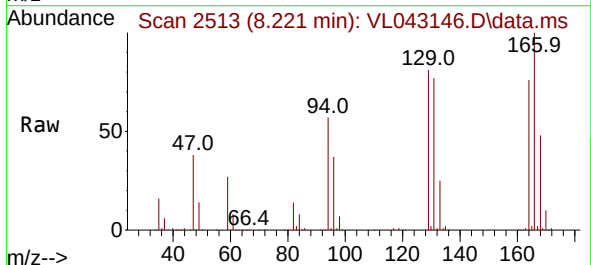
Tgt Ion: 43 Resp: 236500
Ion Ratio Lower Upper
43 100
58 51.0 40.4 60.6
98 0.3 0.1 0.1

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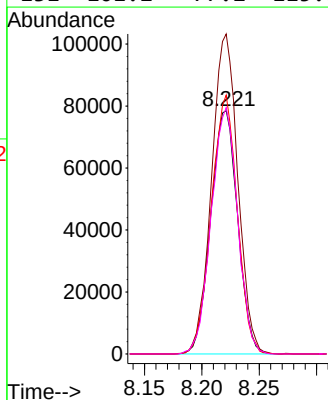
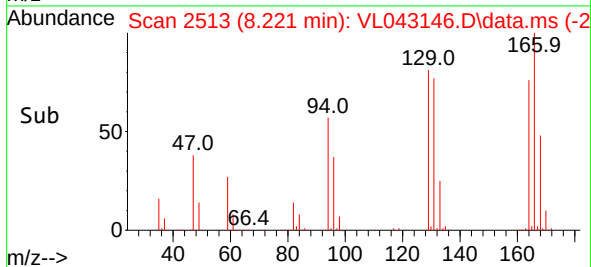
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

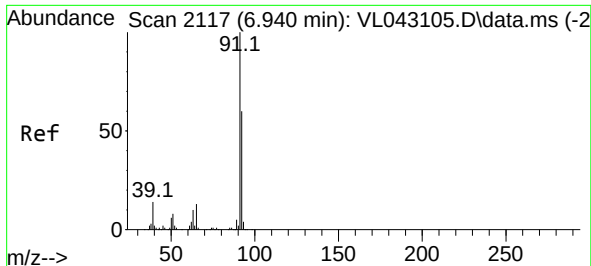


#52
Tetrachloroethene
Concen: 9.987 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.007 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48



Tgt Ion:164 Resp: 127759
Ion Ratio Lower Upper
164 100
166 131.5 97.6 146.4
129 106.4 84.5 126.7
131 101.2 77.2 115.8





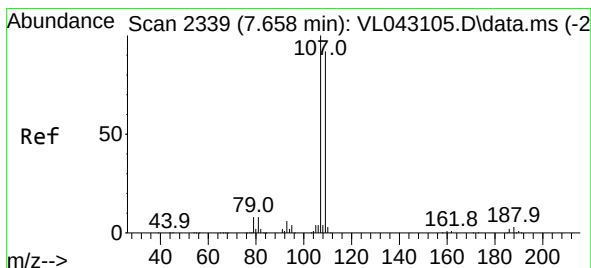
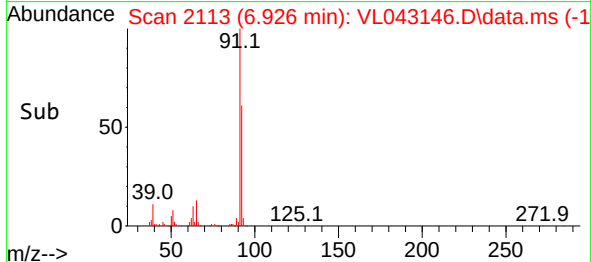
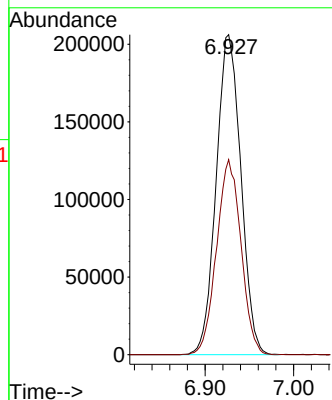
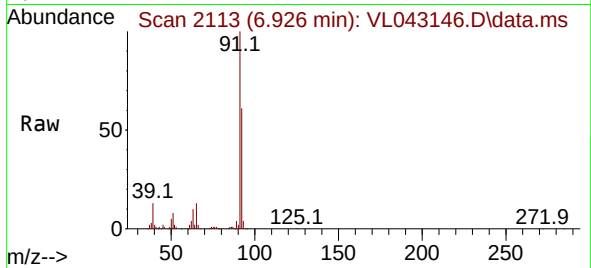
#53
Toluene
Concen: 9.499 ppbv
RT: 6.926 min Scan# 2117
Delta R.T. -0.013 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01

Tgt Ion: 91 Resp: 399969
Ion Ratio Lower Upper
91 100
92 60.3 48.8 73.2

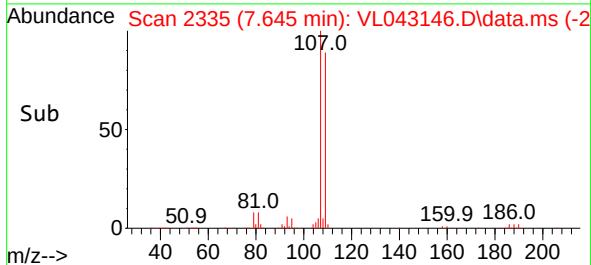
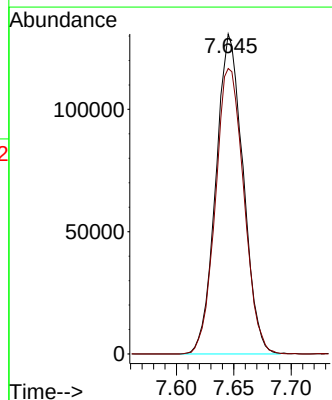
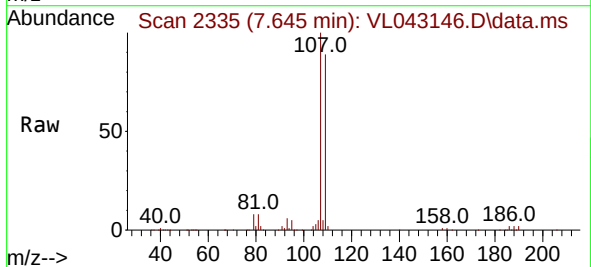
Manual Integrations
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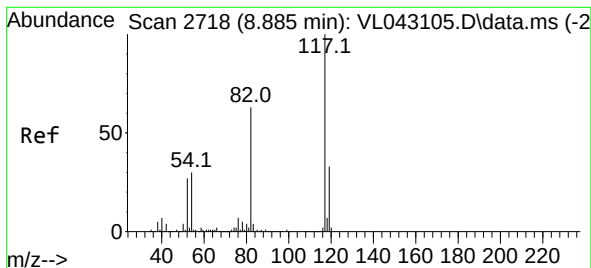
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#54
1,2-Dibromoethane
Concen: 9.852 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.013 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

Tgt Ion:107 Resp: 216136
Ion Ratio Lower Upper
107 100
109 89.2 73.4 110.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 2718

Delta R.T. -0.010 min

Lab File: VL043146.D

Acq: 04 Nov 2025 09:48

Instrument :

MSVOA_L

ClientSampleId :

VL1104ABS01

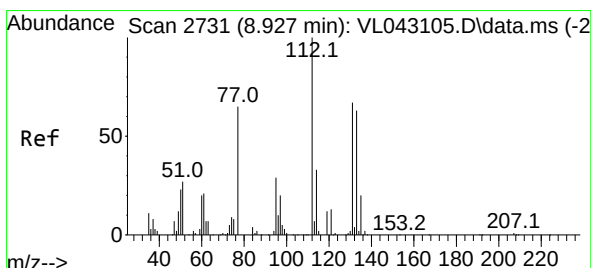
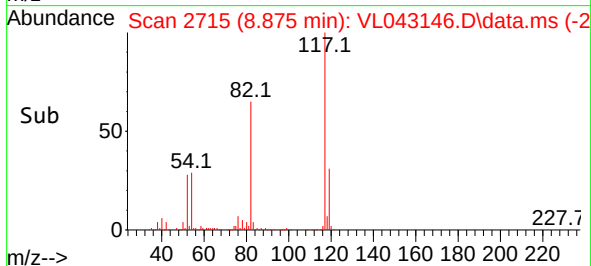
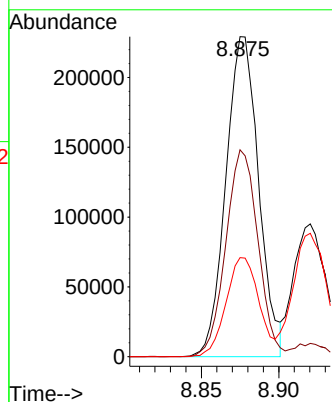
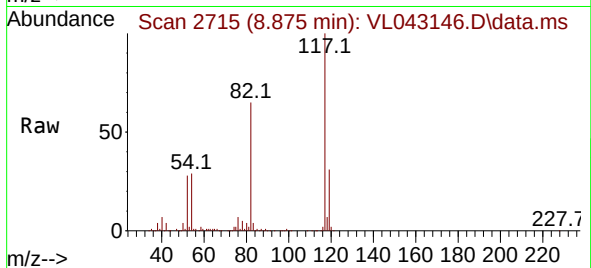
Tgt Ion:	117	Resp:	33829
Ion Ratio	Lower	Upper	
117	100		
82	67.3	53.8	80.8
119	31.1	25.4	38.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 10.629 ppbv

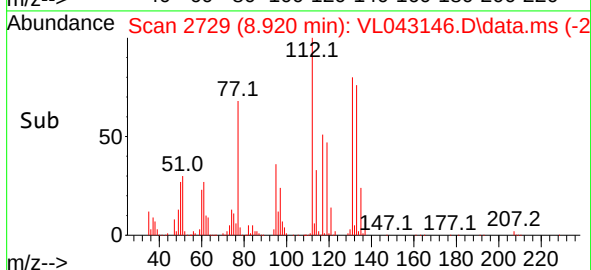
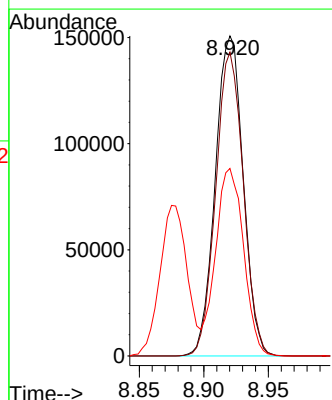
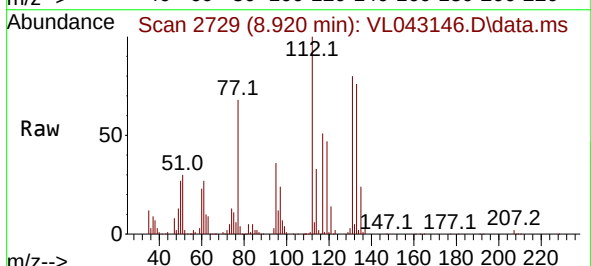
RT: 8.920 min Scan# 2729

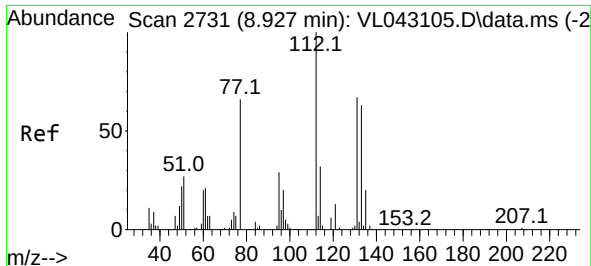
Delta R.T. -0.007 min

Lab File: VL043146.D

Acq: 04 Nov 2025 09:48

Tgt Ion:	131	Resp:	226661
Ion Ratio	Lower	Upper	
131	100		
133	93.7	75.7	113.5
119	59.7	50.6	76.0





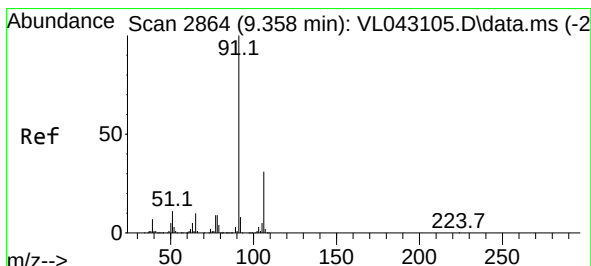
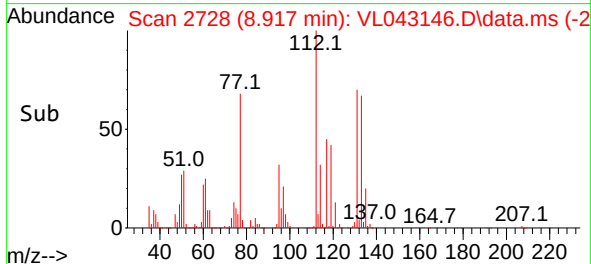
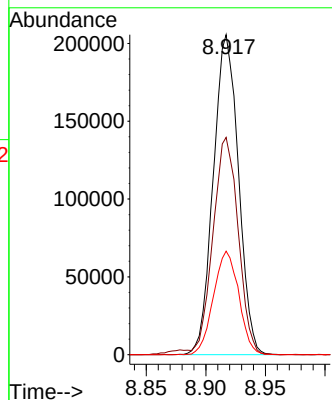
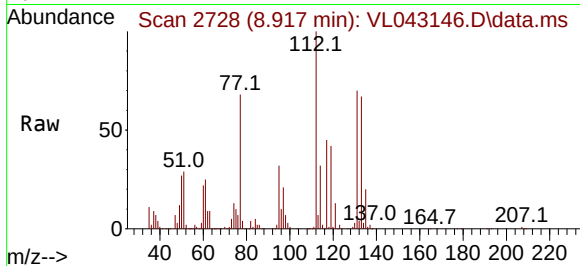
#57
Chlorobenzene
Concen: 9.527 ppbv
RT: 8.917 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01

Tgt Ion:112 Resp: 30151
Ion Ratio Lower Upper
112 100
77 67.9 53.3 79.9
114 32.3 29.3 35.8

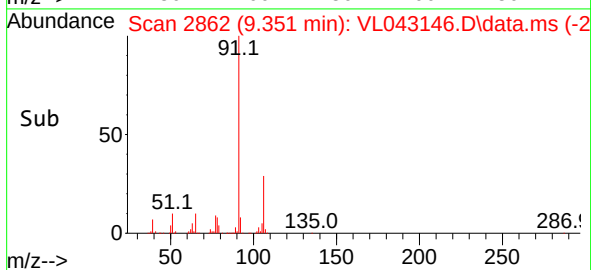
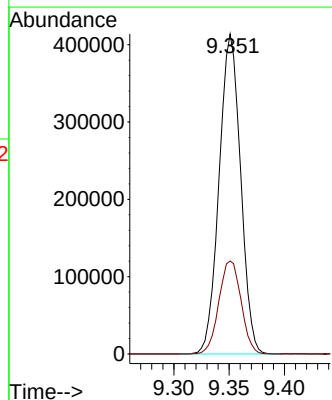
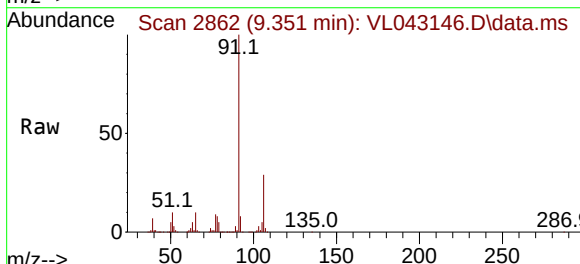
Manual Integrations
APPROVED

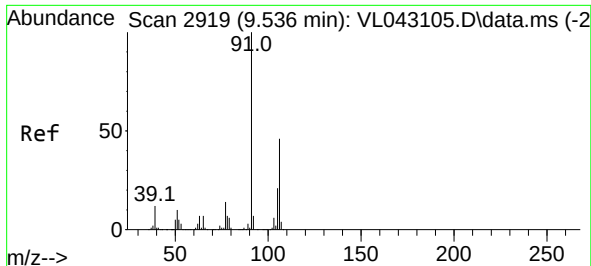
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#58
Ethyl Benzene
Concen: 9.627 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.007 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

Tgt Ion: 91 Resp: 558920
Ion Ratio Lower Upper
91 100
106 29.0 24.8 37.2





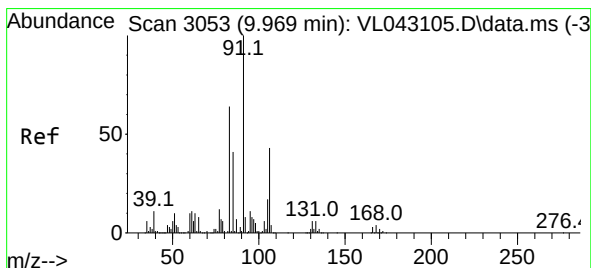
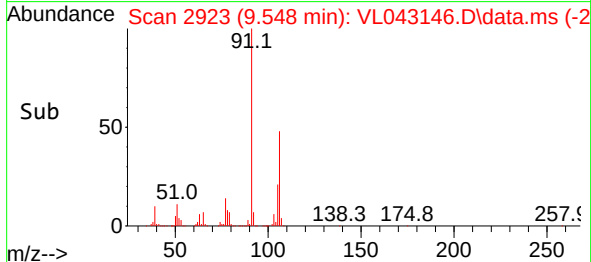
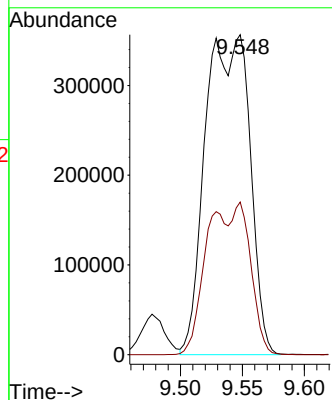
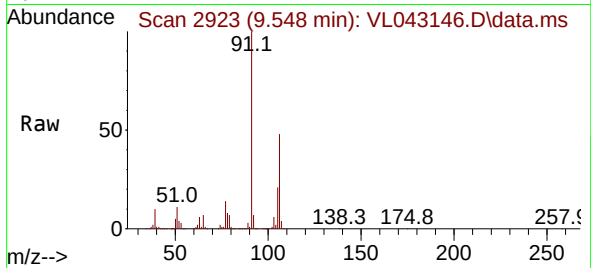
#59
m/p-Xylene
Concen: 19.218 ppbv m
RT: 9.548 min Scan# 2919
Delta R.T. 0.013 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01

Tgt Ion: 91 Resp: 889938
Ion Ratio Lower Upper
91 100
106 0.0 38.0 57.0

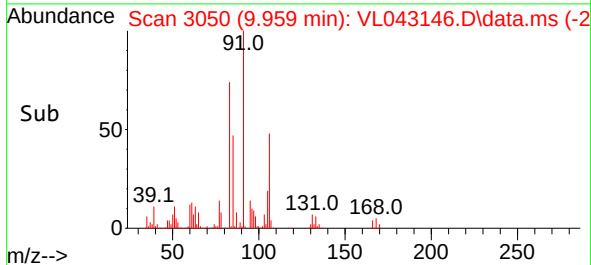
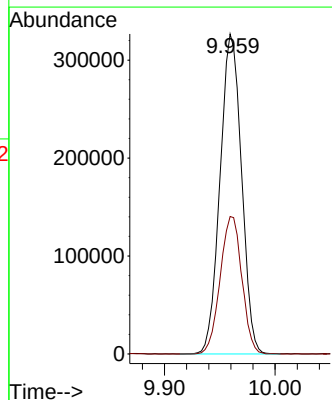
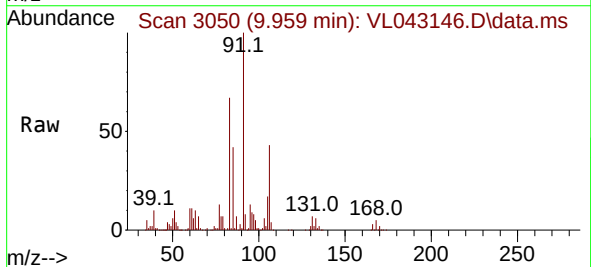
Manual Integrations
APPROVED

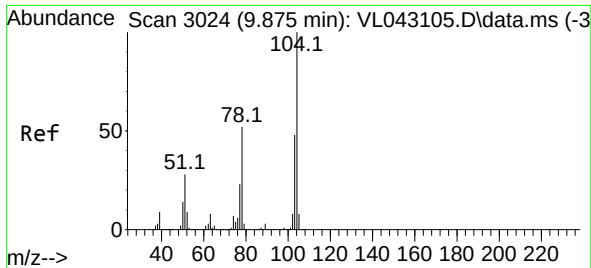
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#60
o-Xylene
Concen: 9.628 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.010 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

Tgt Ion: 91 Resp: 440338
Ion Ratio Lower Upper
91 100
106 43.4 21.9 65.8





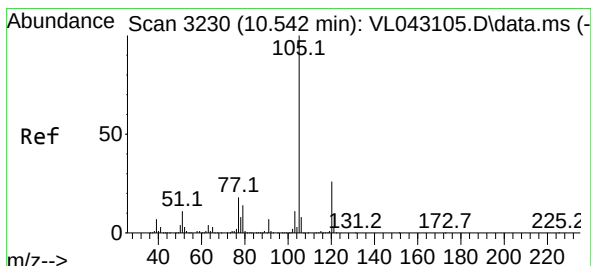
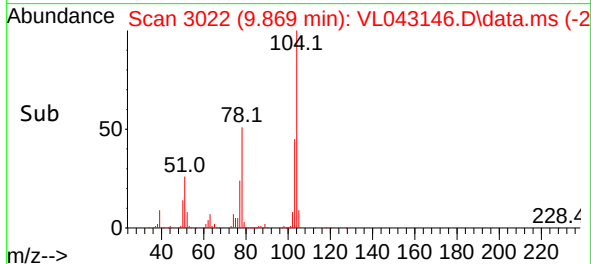
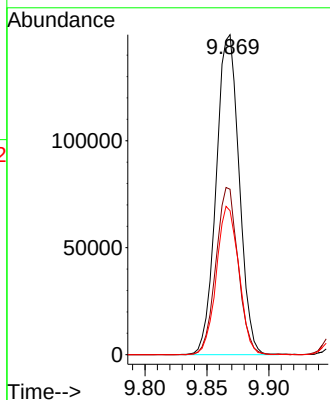
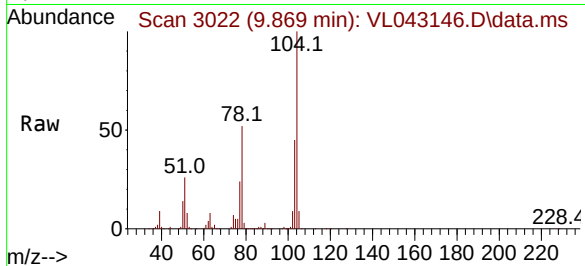
#61
Styrene
Concen: 9.378 ppbv
RT: 9.869 min Scan# 3024
Delta R.T. -0.007 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

Instrument : MSVOA_L
ClientSampleId : VL1104ABS01

Tgt Ion:104 Resp: 19363
Ion Ratio Lower Upper
104 100
78 50.6 40.2 60.2
103 45.5 36.9 55.3

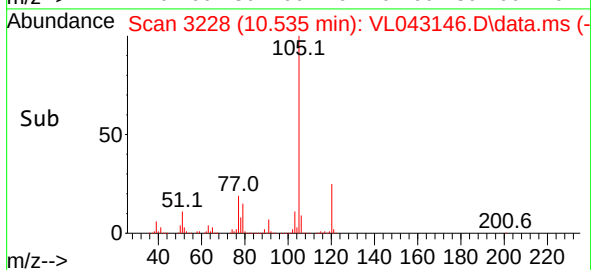
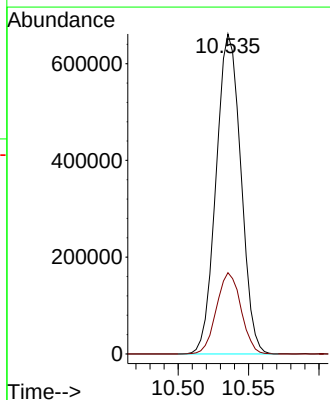
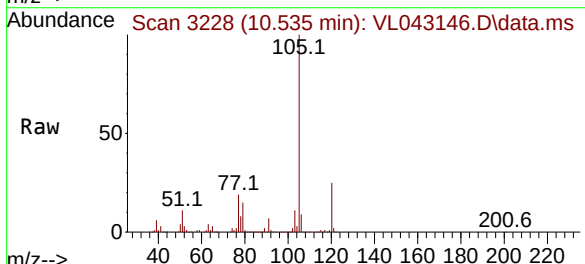
Manual Integrations
APPROVED

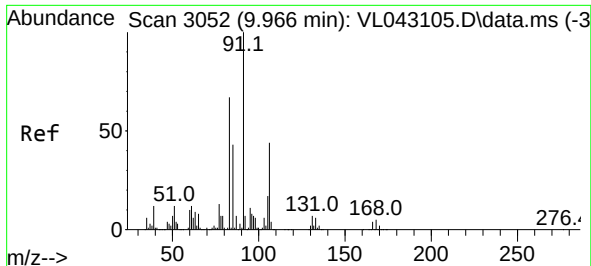
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#62
Isopropylbenzene
Concen: 9.800 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.007 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

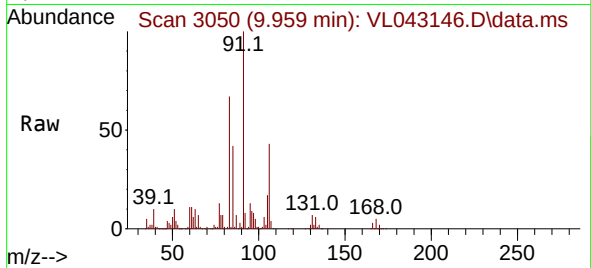
Tgt Ion:105 Resp: 809864
Ion Ratio Lower Upper
105 100
120 25.1 20.2 30.4





#63
1,1,2,2-Tetrachloroethane
Concen: 9.177 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.007 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

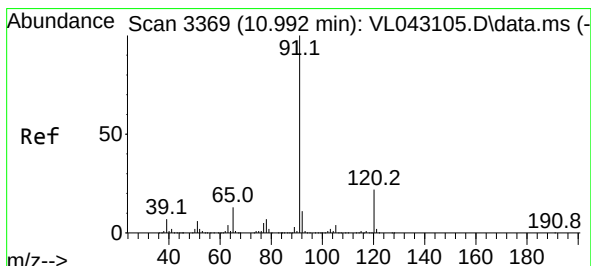
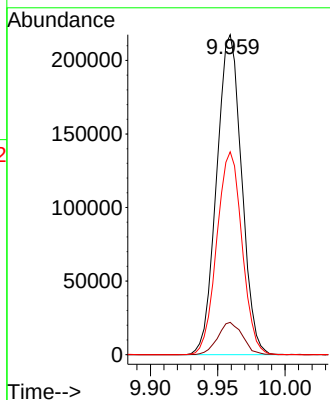
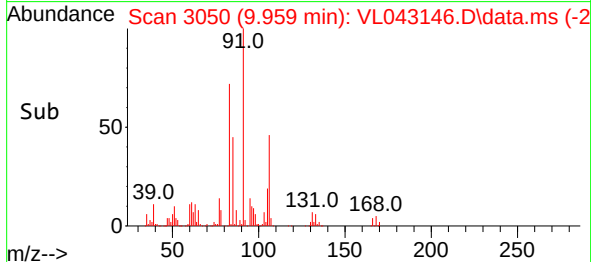
Instrument : MSVOA_L
ClientSampleId : VL1104ABS01



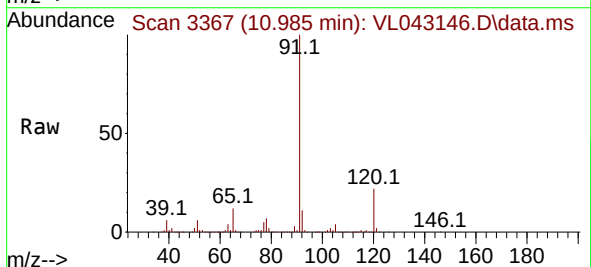
Tgt Ion: 83 Resp: 281039
Ion Ratio Lower Upper
83 100
131 10.0 4.8 14.3
85 63.9 32.0 96.0

Manual Integrations
APPROVED

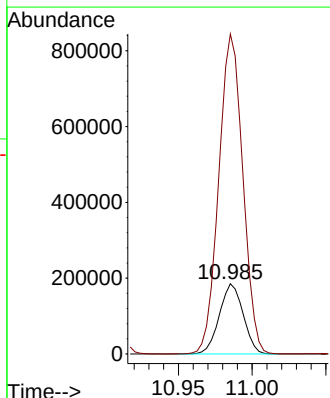
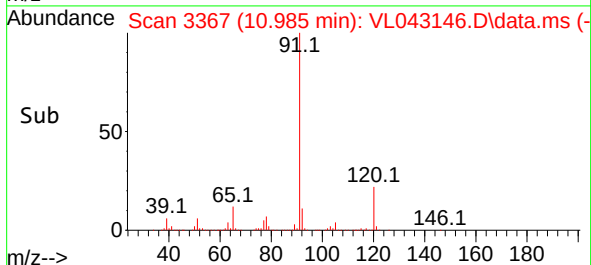
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

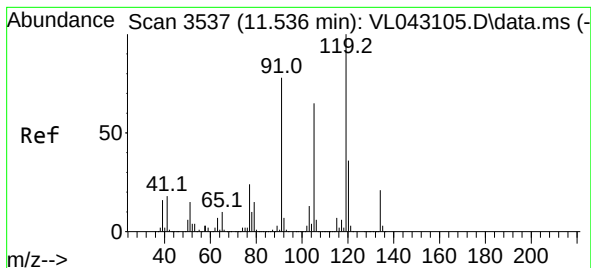


#64
n-propylbenzene
Concen: 9.479 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.007 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48



Tgt Ion:120 Resp: 207399
Ion Ratio Lower Upper
120 100
91 461.8 361.6 542.4





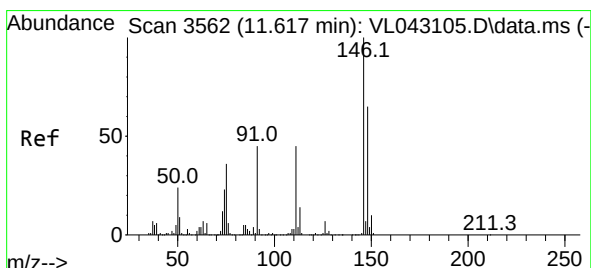
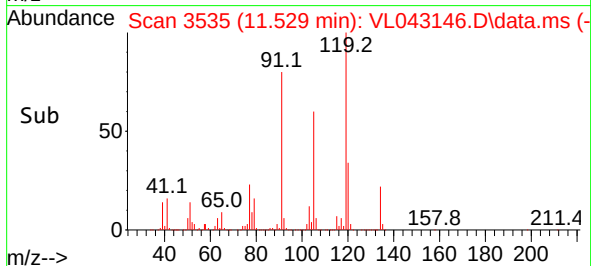
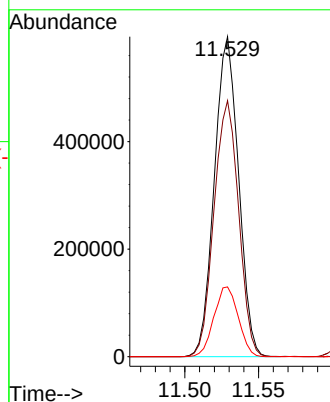
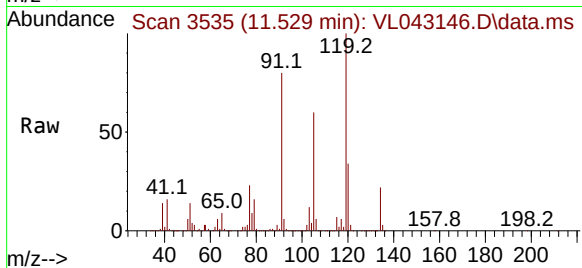
#65
tert-Butylbenzene
Concen: 9.301 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.007 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

Instrument : MSVOA_L
ClientSampleId : VL1104ABS01

Tgt Ion: 119 Resp: 678792
Ion Ratio Lower Upper
119 100
91 81.4 63.4 95.0
134 22.0 17.3 25.9

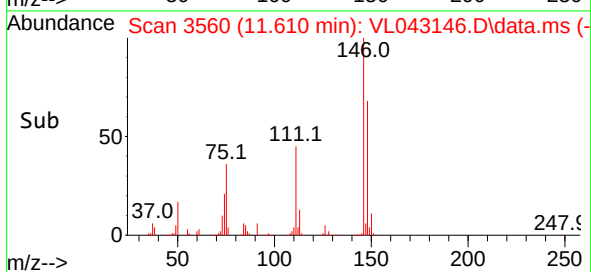
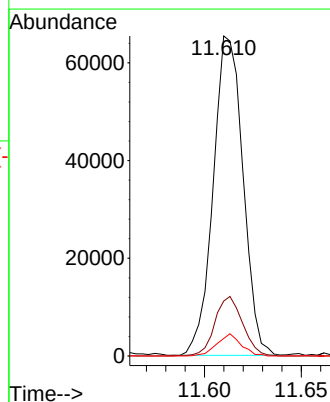
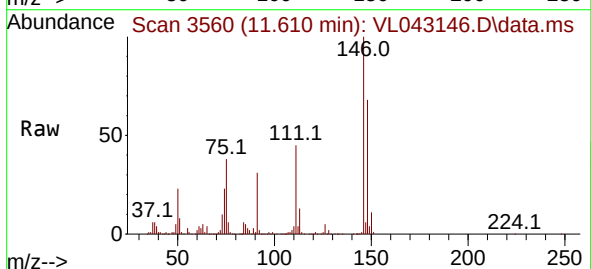
Manual Integrations
APPROVED

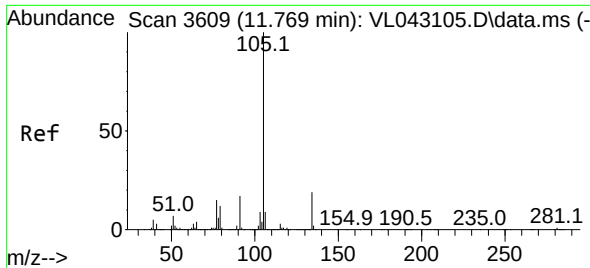
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#66
Benzyl Chloride
Concen: 8.605 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.007 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

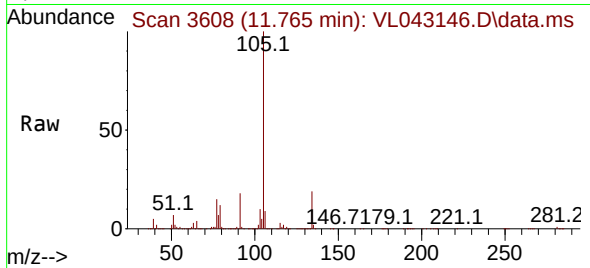
Tgt Ion: 91 Resp: 69894
Ion Ratio Lower Upper
91 100
126 17.4 14.6 22.0
128 5.6 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 9.406 ppbv
 RT: 11.765 min Scan# 3609
 Delta R.T. -0.004 min
 Lab File: VL043146.D
 Acq: 04 Nov 2025 09:48

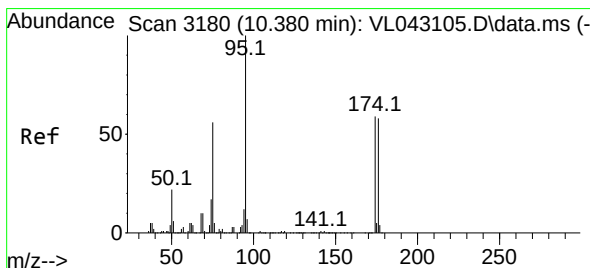
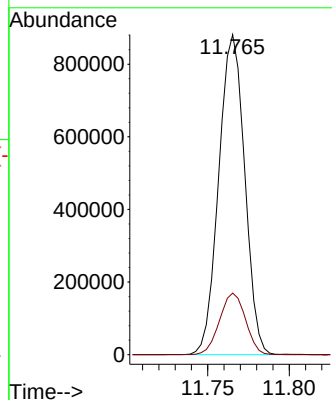
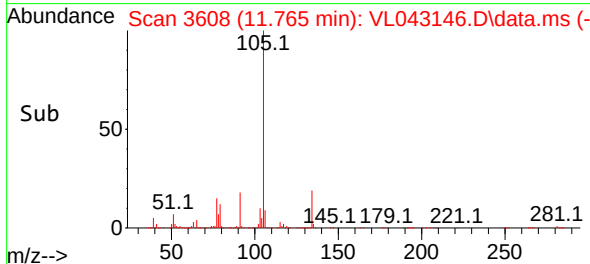
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1104ABS01



Tgt Ion:105 Resp: 97419
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.5 23.3

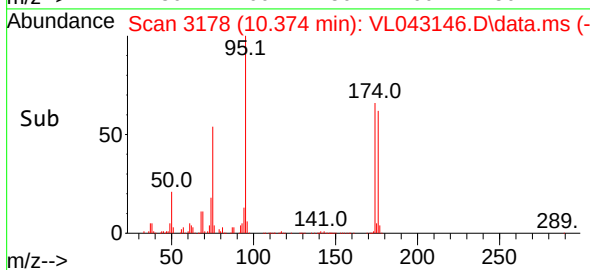
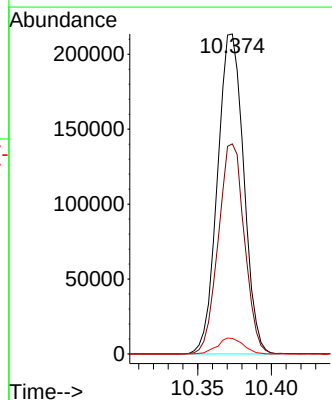
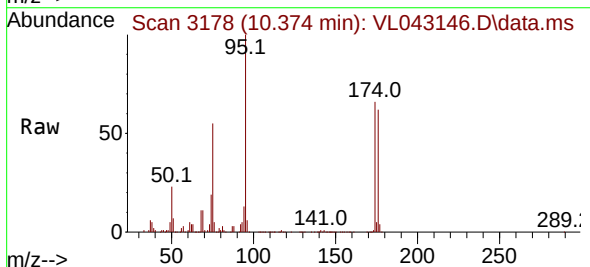
Manual Integrations
 APPROVED

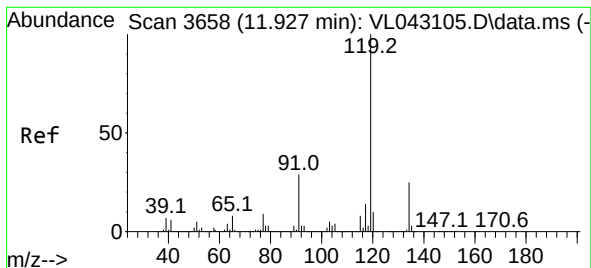
Reviewed By :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.034 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. -0.007 min
 Lab File: VL043146.D
 Acq: 04 Nov 2025 09:48

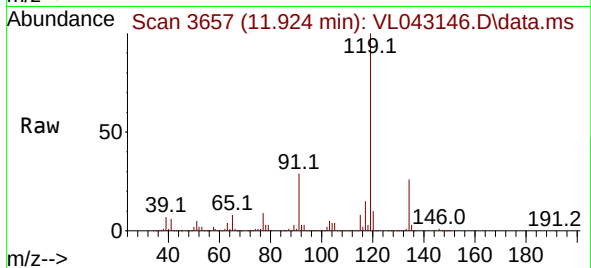
Tgt Ion: 95 Resp: 263837
 Ion Ratio Lower Upper
 95 100
 174 65.6 48.3 72.5
 175 4.9 3.8 5.8





#69
p-Isopropyltoluene
Concen: 9.361 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.004 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

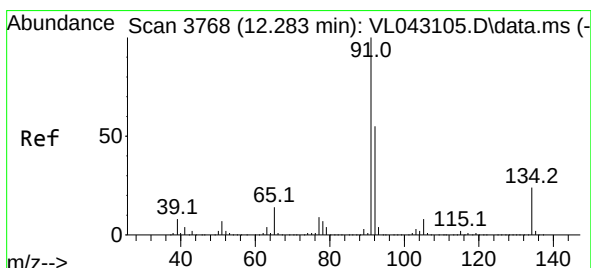
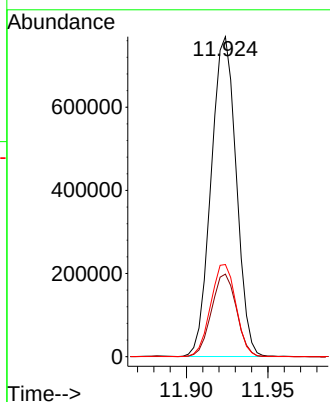
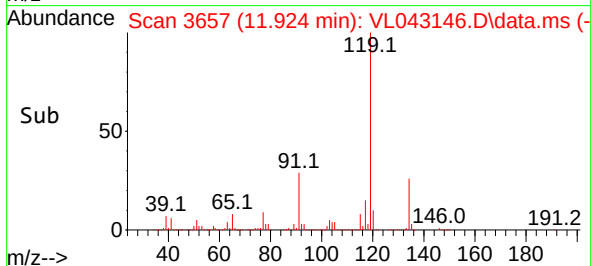
Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01



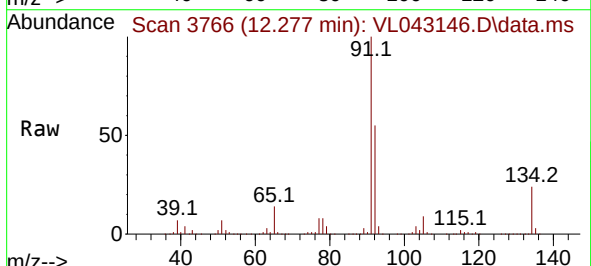
Tgt Ion:119 Resp: 823911
Ion Ratio Lower Upper
119 100
134 25.8 20.3 30.5
91 29.1 22.6 33.8

Manual Integrations
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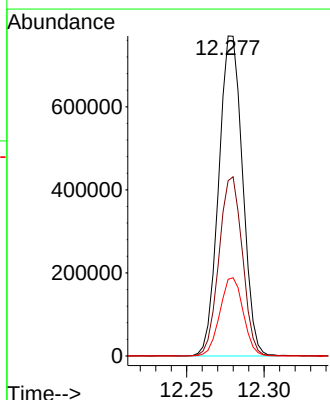
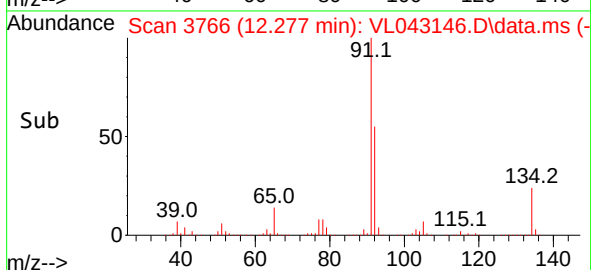
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

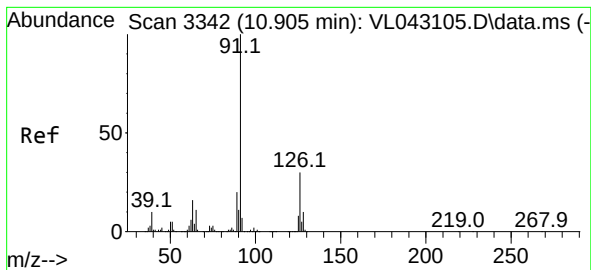


#70
n-Butylbenzene
Concen: 9.507 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.007 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48



Tgt Ion: 91 Resp: 824593
Ion Ratio Lower Upper
91 100
92 55.1 44.5 66.7
134 24.0 19.3 28.9





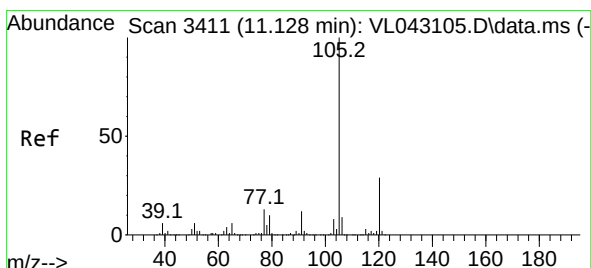
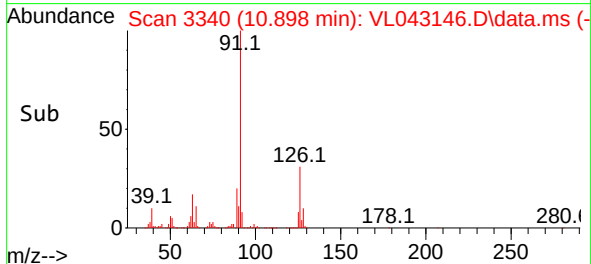
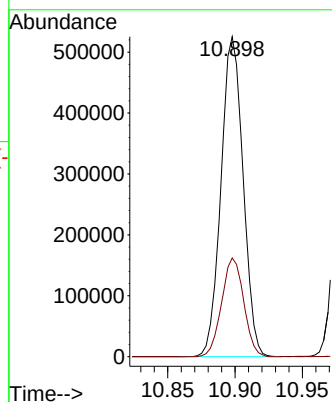
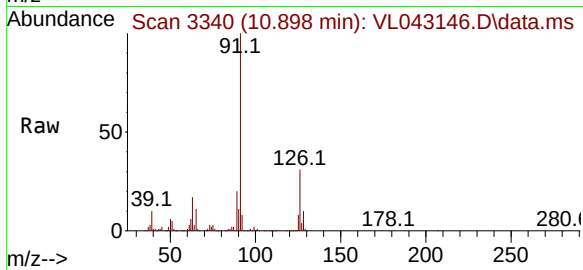
#71
2-Chlorotoluene
Concen: 9.501 ppbv
RT: 10.898 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

Instrument : MSVOA_L
ClientSampleId : VL1104ABS01

Tgt Ion: 91 Resp: 59888
Ion Ratio Lower Upper
91 100
126 30.8 12.0 48.0

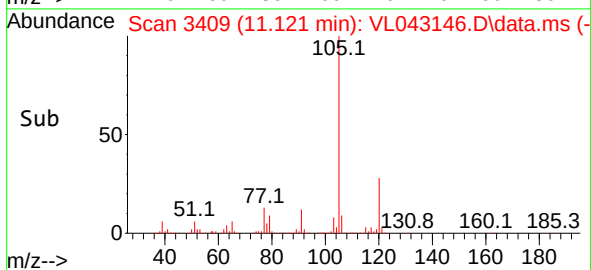
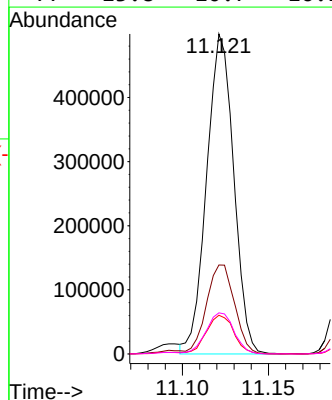
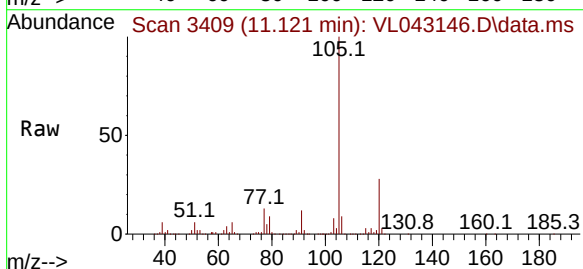
Manual Integrations
APPROVED

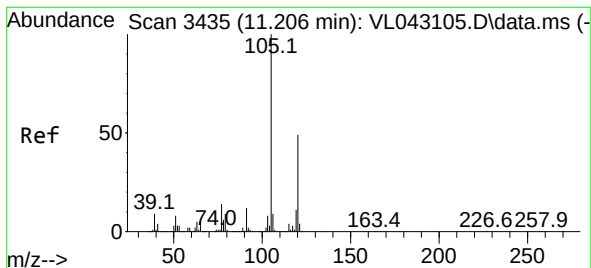
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#72
4-Ethyltoluene
Concen: 9.709 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.007 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

Tgt Ion:105 Resp: 545992
Ion Ratio Lower Upper
105 100
120 29.9 24.2 36.4
91 12.8 10.0 15.0
77 13.8 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 9.816 ppbv

RT: 11.202 min Scan# 3435

Delta R.T. -0.004 min

Lab File: VL043146.D

Acq: 04 Nov 2025 09:48

Instrument :

MSVOA_L

ClientSampleId :

VL1104ABS01

Tgt Ion:105 Resp: 455284

Ion Ratio Lower Upper

105 100

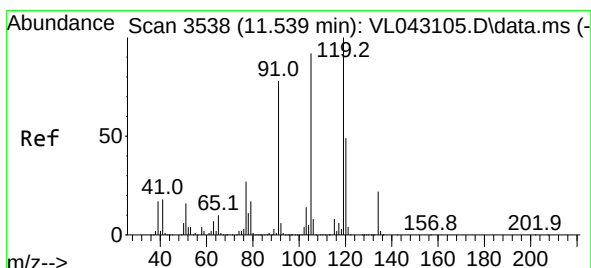
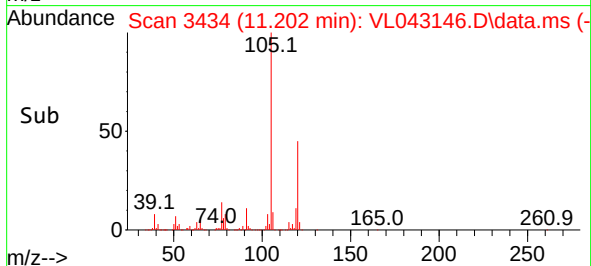
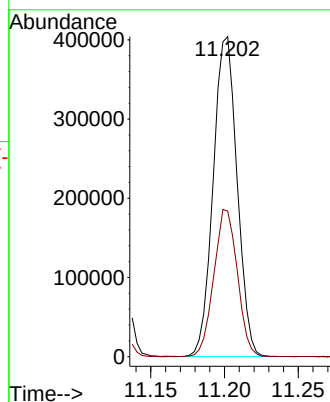
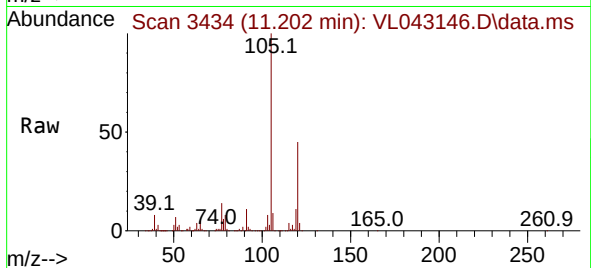
120 45.5 39.0 58.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#74

1,2,4-Trimethylbenzene

Concen: 9.387 ppbv

RT: 11.535 min Scan# 3537

Delta R.T. -0.004 min

Lab File: VL043146.D

Acq: 04 Nov 2025 09:48

Tgt Ion:105 Resp: 487206

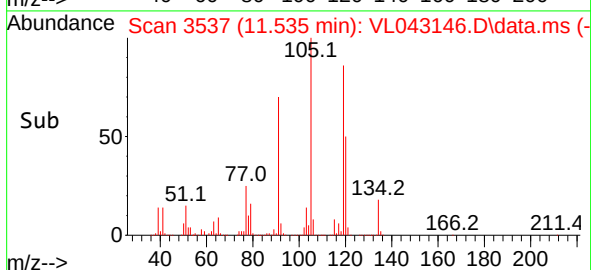
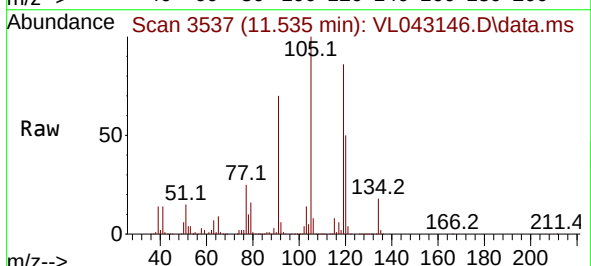
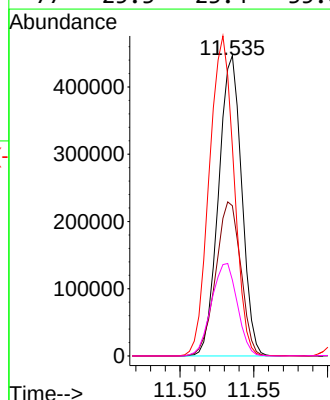
Ion Ratio Lower Upper

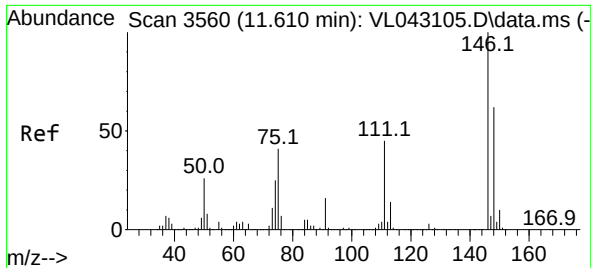
105 100

120 50.0 42.8 64.2

91 69.7 68.3 102.5

77 25.3 23.4 35.0





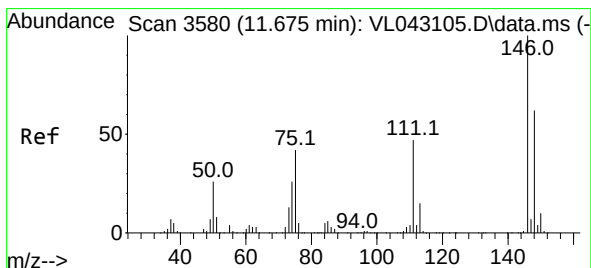
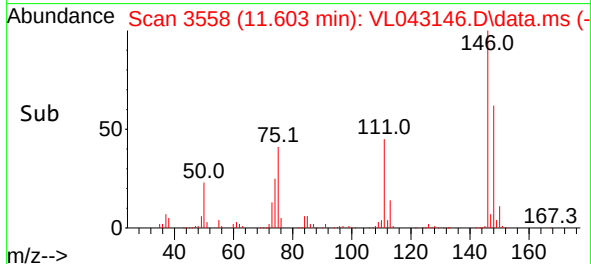
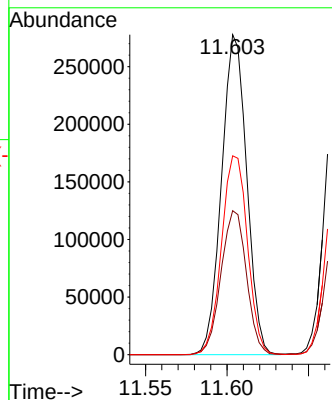
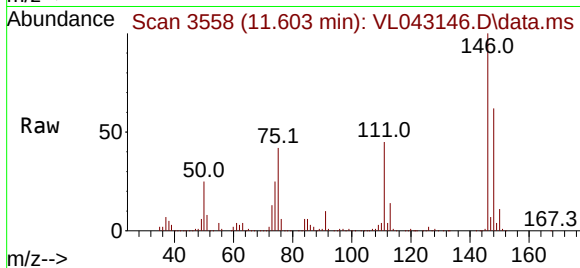
#75
1,3-Dichlorobenzene
Concen: 9.897 ppbv
RT: 11.603 min Scan# 3558
Delta R.T. -0.007 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01

Tgt Ion:146 Resp: 297914
Ion Ratio Lower Upper
146 100
111 45.7 23.3 69.9
148 64.2 31.6 95.0

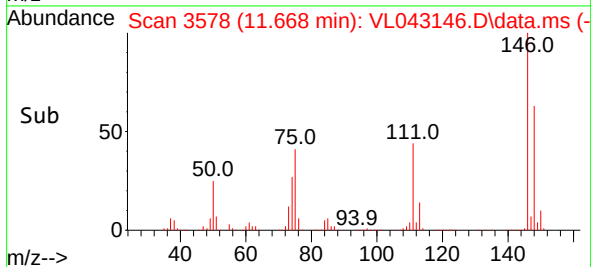
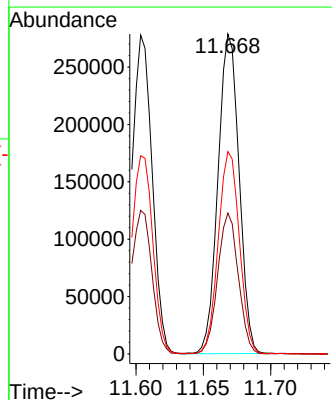
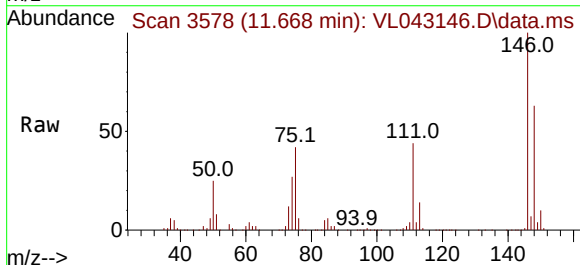
Manual Integrations
APPROVED

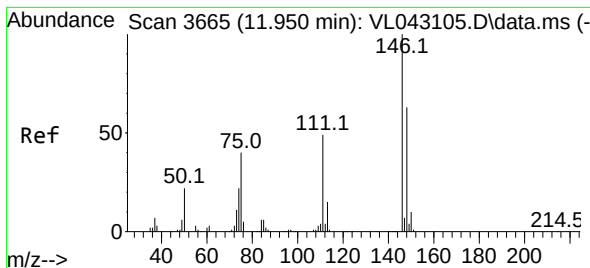
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#76
1,4-Dichlorobenzene
Concen: 9.990 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.007 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

Tgt Ion:146 Resp: 303231
Ion Ratio Lower Upper
146 100
111 43.3 22.4 67.0
148 63.7 31.6 94.7





#77

1,2-Dichlorobenzene

Concen: 9.680 ppbv

RT: 11.943 min Scan# 3663

Delta R.T. -0.007 min

Lab File: VL043146.D

Acq: 04 Nov 2025 09:48

Instrument :

MSVOA_L

ClientSampleId :

VL1104ABS01

Tgt Ion:146 Resp: 28188

Ion Ratio Lower Upper

146 100

111 47.5 24.0 72.0

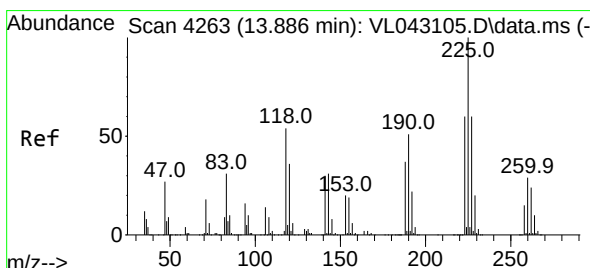
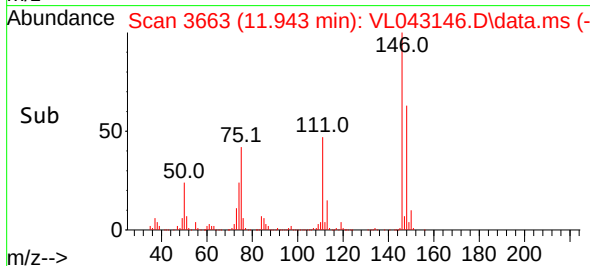
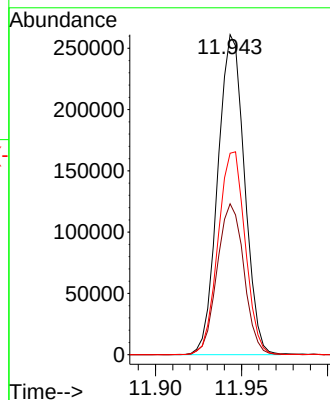
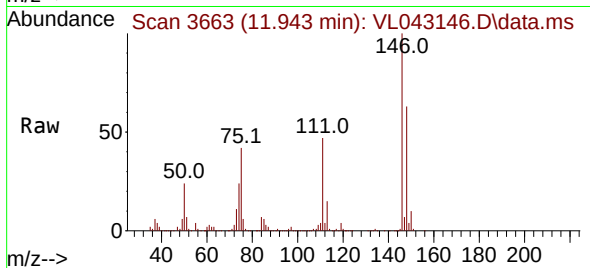
148 64.5 31.1 93.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#78

Hexachloro-1,3-Butadiene

Concen: 9.491 ppbv

RT: 13.879 min Scan# 4261

Delta R.T. -0.007 min

Lab File: VL043146.D

Acq: 04 Nov 2025 09:48

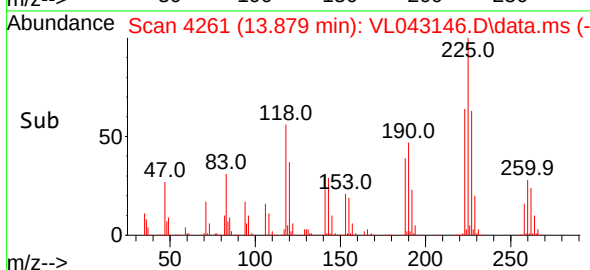
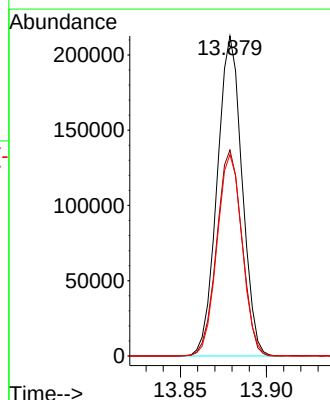
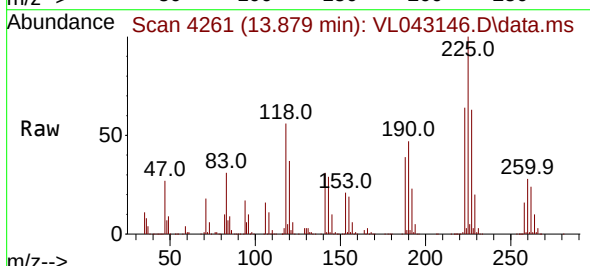
Tgt Ion:225 Resp: 213998

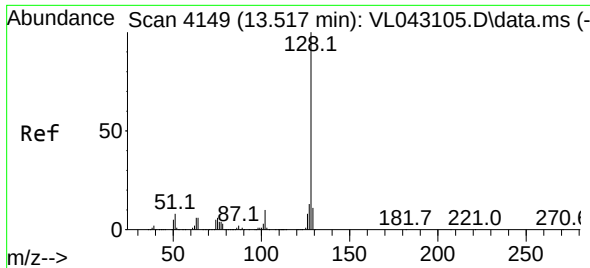
Ion Ratio Lower Upper

225 100

223 65.2 50.2 75.4

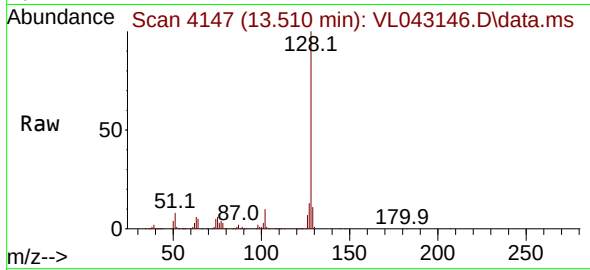
227 63.5 49.6 74.4





#79
Naphthalene
Concen: 9.319 ppbv
RT: 13.510 min Scan# 4149
Delta R.T. -0.007 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

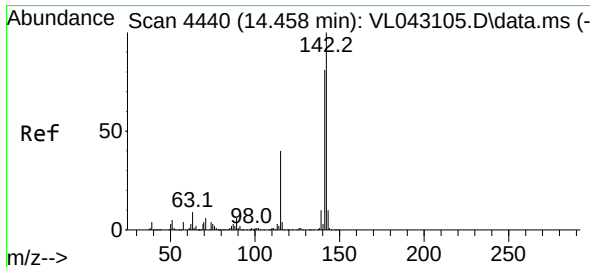
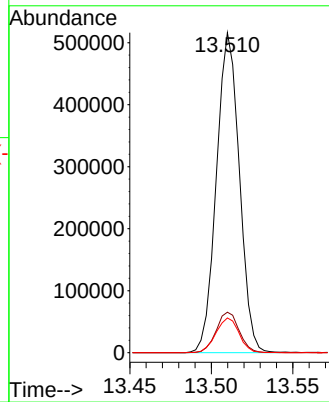
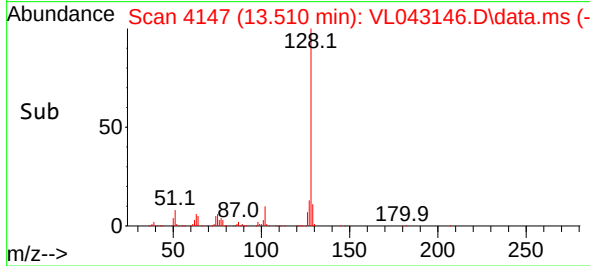
Instrument :
MSVOA_L
ClientSampleId :
VL1104ABS01



Tgt Ion:128 Resp: 505564
Ion Ratio Lower Upper
128 100
127 12.6 10.5 15.7
129 10.9 9.1 13.7

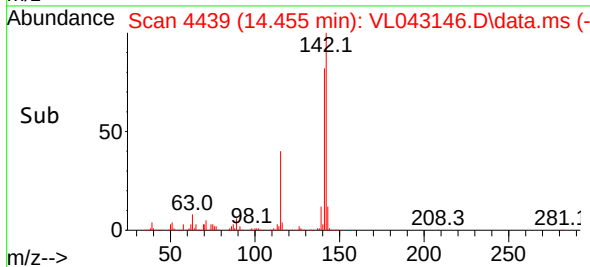
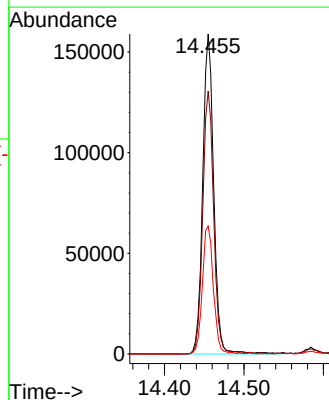
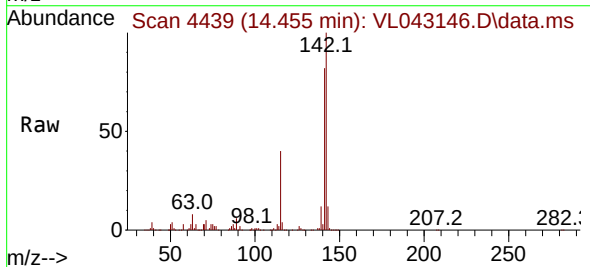
Manual Integrations
APPROVED

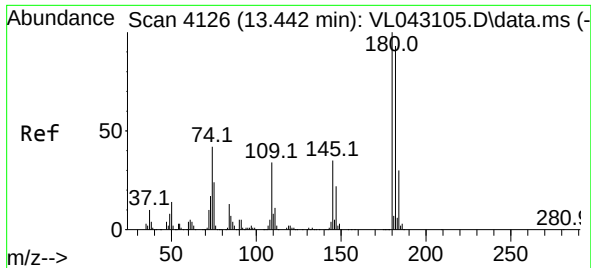
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#80
Naphthalene,2-methyl-
Concen: 10.841 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.004 min
Lab File: VL043146.D
Acq: 04 Nov 2025 09:48

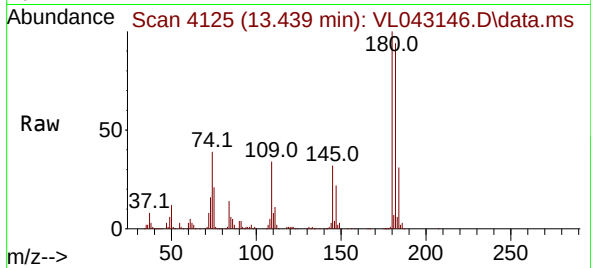
Tgt Ion:142 Resp: 153217
Ion Ratio Lower Upper
142 100
141 82.8 64.6 97.0
115 40.6 30.2 45.4





#81
 1,2,4-Trichlorobenzene
 Concen: 10.228 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. -0.004 min
 Lab File: VL043146.D
 Acq: 04 Nov 2025 09:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1104ABS01



Tgt Ion:180 Resp: 23029
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.5 113.3
 184 29.6 23.9 35.9

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025

