

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052125\
 Data File : VL042558.D
 Acq On : 21 May 2025 10:12
 Operator : SY/MD
 Sample : VL0521ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0521ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2025
 Supervised By :Mahesh Dadoda 05/22/2025

Quant Time: May 21 22:53:52 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M

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

QLast Update : Wed May 21 00:21:29 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	116321	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	377848	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	333400	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 281736 10.559 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	208299	9.576	ppbv	98
3) Chlorodifluoromethane	1.476	51	166978	9.316	ppbv	99
4) Chloromethane	1.534	50	64844	9.253	ppbv	99
5) Vinyl Chloride	1.583	62	70380	9.109	ppbv	100
6) Bromomethane	1.670	94	41995	9.448	ppbv	94
7) Chloroethane	1.706	64	29263	9.419	ppbv	99
8) Dichlorotetrafluoroethane	1.557	85	173808	9.433	ppbv	99
9) Propene	1.482	41	55735	8.948	ppbv	100
10) Heptane	4.988	43	166704	10.157	ppbv	99
11) Trichlorofluoromethane	1.881	101	204847	9.019	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	165114	9.018	ppbv	99
13) Ethanol	1.725	45	6675	7.393	ppbv	97
14) Bromoethene	1.784	108	64287	9.294	ppbv	97
15) Acetone	1.839	43	122417	7.552	ppbv	99
16) 1,3-Butadiene	1.612	39	59838	9.093	ppbv	97
17) tert-Butyl alcohol	2.042	59	162833	8.692	ppbv	100
18) 1,1-Dichloroethene	2.036	96	73897	8.931	ppbv	97
19) Isopropyl Alcohol	1.887	45	79558	8.631	ppbv #	35
20) Methylene Chloride	2.065	84	62225	7.928	ppbv	99
21) Allyl Chloride	2.097	41	93327	8.988	ppbv	99
22) trans-1,2-Dichloroethene	2.343	96	82974	9.038	ppbv	96
23) Vinyl Acetate	2.466	43	160397	8.696	ppbv	99
24) 1,1-Dichloroethane	2.411	63	144008	9.147	ppbv	99
25) Ethyl Acetate	2.842	43	307783	9.822	ppbv	100
26) Hexane	2.829	57	138375	9.767	ppbv	96
27) Carbon Disulfide	2.152	76	191355	9.325	ppbv	95
28) Methyl tert-Butyl Ether	2.444	73	81115	8.497	ppbv	99
29) Chloroform	2.855	83	255414	9.533	ppbv	99
30) Cyclohexane	3.865	84	124310	10.142	ppbv	98
31) cis-1,2-Dichloroethene	2.725	61	145782	9.359	ppbv	100
32) 1,1,1-Trichloroethane	3.376	97	264881	9.674	ppbv	99
34) 2-Butanone	2.564	43	193483	9.646	ppbv	98
35) Carbon Tetrachloride	3.771	117	289943	10.036	ppbv	99
36) Benzene	3.664	78	300694	9.834	ppbv	99
37) 1,2-Dichloroethane	3.224	62	186306	9.972	ppbv	99
38) Trichloroethene	4.557	130	134468	9.636	ppbv	94
39) 1,2-Dichloropropane	4.324	63	103756	9.668	ppbv	95
40) 1,4-Dioxane	4.596	88	47199	9.832	ppbv #	80
41) Tetrahydrofuran	3.062	42	102011	10.433	ppbv	99
42) Bromodichloromethane	4.499	83	270663	10.281	ppbv	97
43) Methyl Methacrylate	4.891	69	109007	10.505	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	486516	10.374	ppbv	98
45) t-1,3-Dichloropropene	6.428	75	137509	10.389	ppbv	97

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Quant Time: May 21 22:53:52 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M

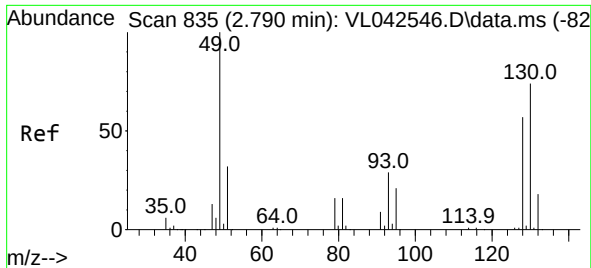
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Wed May 21 00:21:29 2025

Response via : Initial Calibration

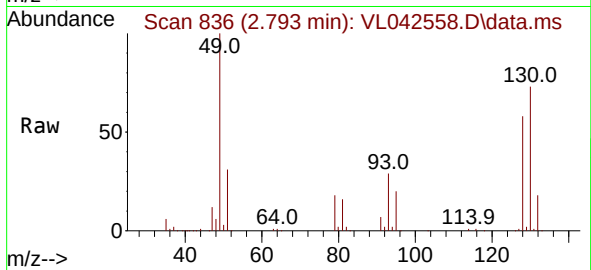
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.612	75	164177	10.199	ppbv	99
47) 1,1,2-Trichloroethane	6.596	97	127525	9.919	ppbv	99
48) Dibromochloromethane	7.399	129	230923	10.378	ppbv	100
49) Bromoform	9.490	173	202892	10.684	ppbv	99
50) 4-Methyl-2-Pentanone	5.765	43	261272	10.856	ppbv	100
51) 2-Hexanone	7.444	43	207178	11.672	ppbv #	97
52) Tetrachloroethene	8.234	164	116970	9.809	ppbv	98
53) Toluene	6.943	91	349032	10.679	ppbv	99
54) 1,2-Dibromoethane	7.661	107	194890	10.404	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.933	131	185173	10.418	ppbv	98
57) Chlorobenzene	8.930	112	298157	10.040	ppbv	99
58) Ethyl Benzene	9.364	91	496019	11.364	ppbv	97
59) m/p-Xylene	9.561	91	847195m	22.732	ppbv	
60) o-Xylene	9.972	91	423569	11.474	ppbv	99
61) Styrene	9.878	104	169581	11.986	ppbv	99
62) Isopropylbenzene	10.545	105	624942	11.065	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.972	83	256372	10.393	ppbv	99
64) n-propylbenzene	10.995	120	163942	11.652	ppbv	99
65) tert-Butylbenzene	11.539	119	584410	11.503	ppbv	99
66) Benzyl Chloride	11.620	91	68619	10.796	ppbv	100
67) sec-Butylbenzene	11.775	105	798171	11.130	ppbv	100
69) p-Isopropyltoluene	11.934	119	690311	11.656	ppbv	100
70) n-Butylbenzene	12.286	91	671916	12.008	ppbv	99
71) 2-Chlorotoluene	10.908	91	463109	11.393	ppbv	99
72) 4-Ethyltoluene	11.131	105	533569	11.704	ppbv	100
73) 1,3,5-Trimethylbenzene	11.212	105	454600	11.527	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	515907	10.849	ppbv #	89
75) 1,3-Dichlorobenzene	11.613	146	310950	10.595	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	308975	10.840	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	302402	10.457	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	230027	9.630	ppbv	99
79) Naphthalene	13.520	128	464800	13.044	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	248065	13.511	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	250439	11.700	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 835
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

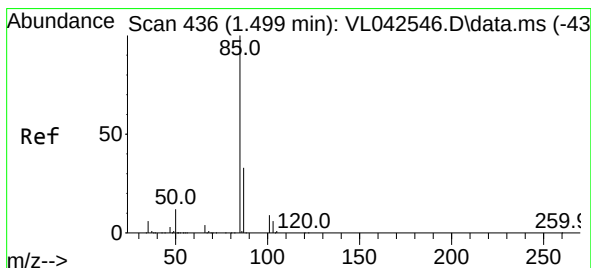
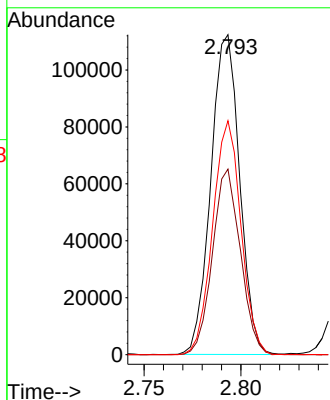
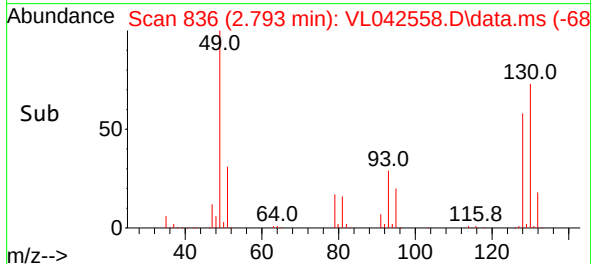
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



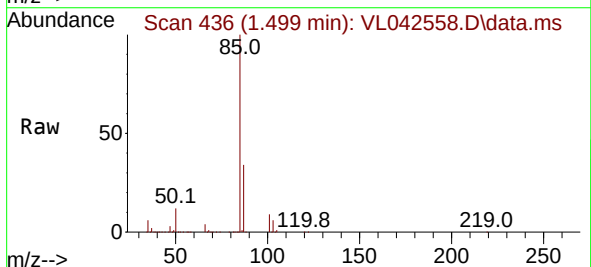
Tgt Ion: 49 Resp: 11632
Ion Ratio Lower Upper
49 100
128 56.2 28.6 85.8
130 71.8 36.6 109.8

Manual Integrations
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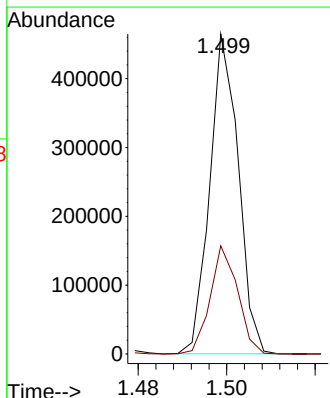
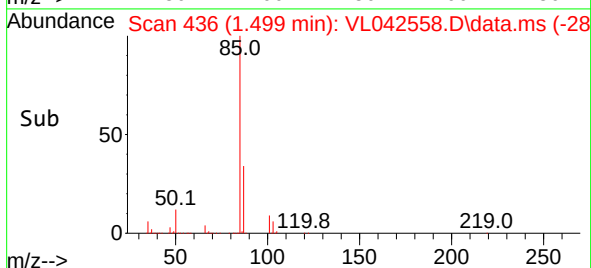
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

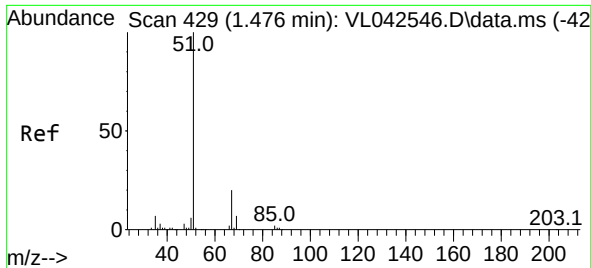


#2
Dichlorodifluoromethane
Concen: 9.576 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12



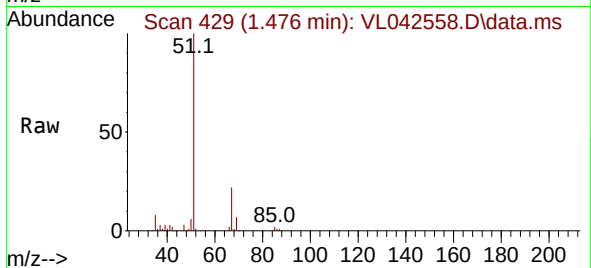
Tgt Ion: 85 Resp: 208299
Ion Ratio Lower Upper
85 100
87 33.8 26.2 39.4





#3
Chlorodifluoromethane
Concen: 9.316 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

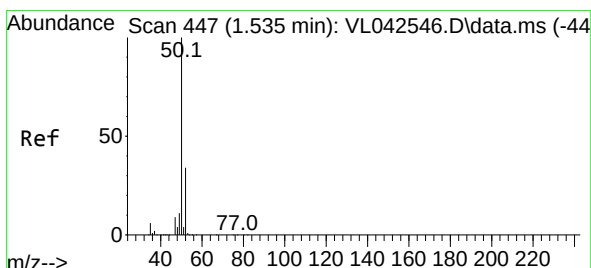
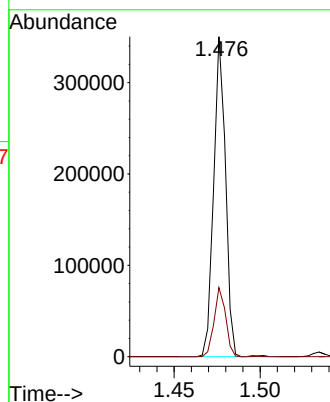
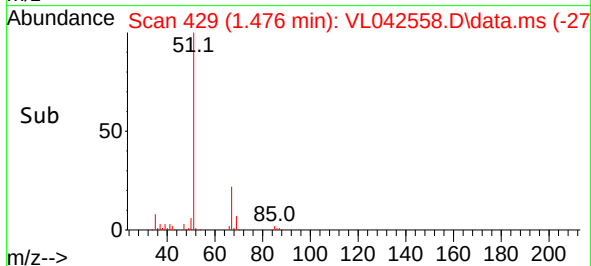
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



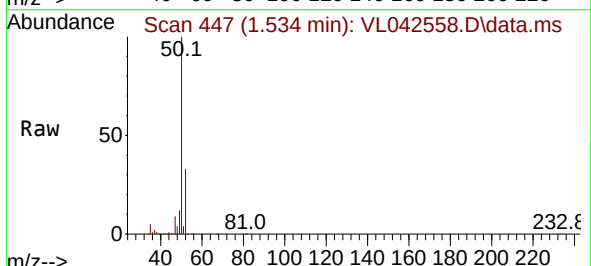
Tgt Ion: 51 Resp: 166978
Ion Ratio Lower Upper
51 100
67 21.1 16.6 25.0

Manual Integrations
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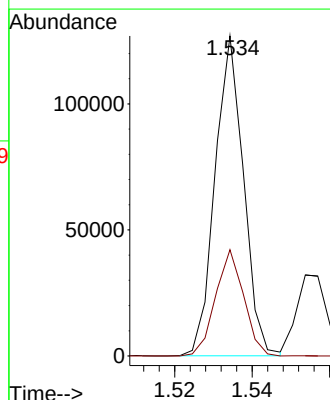
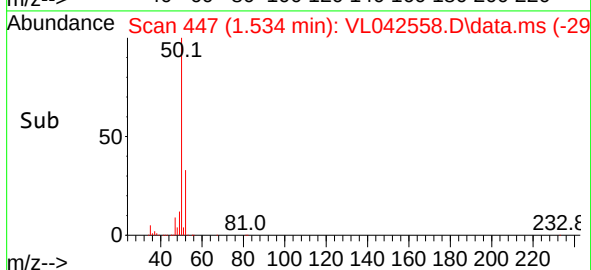
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

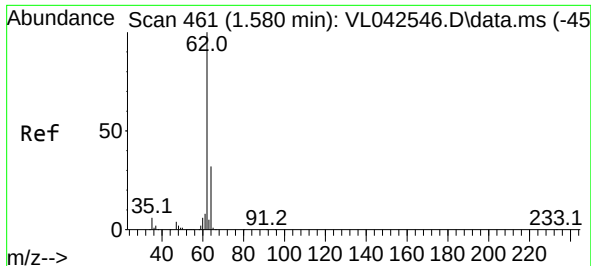


#4
Chloromethane
Concen: 9.253 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12



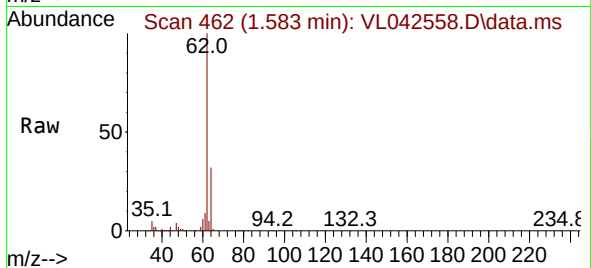
Tgt Ion: 50 Resp: 64844
Ion Ratio Lower Upper
50 100
52 33.2 26.9 40.3





#5
 Vinyl Chloride
 Concen: 9.109 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.003 min
 Lab File: VL042558.D
 Acq: 21 May 2025 10:12

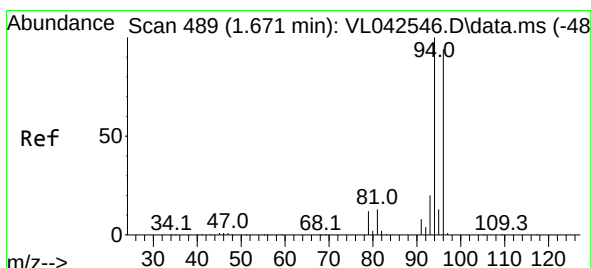
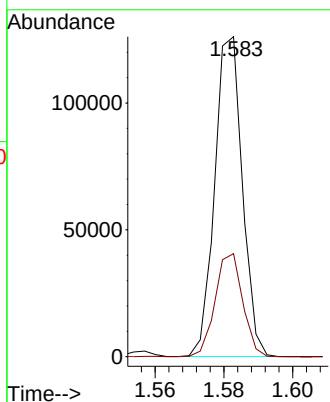
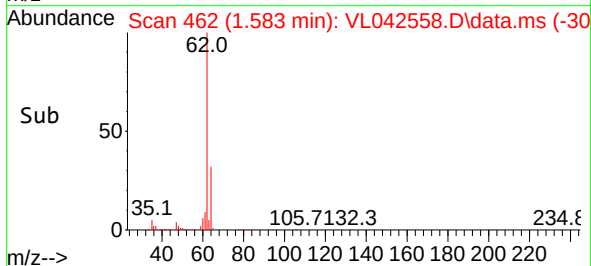
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0521ABS01



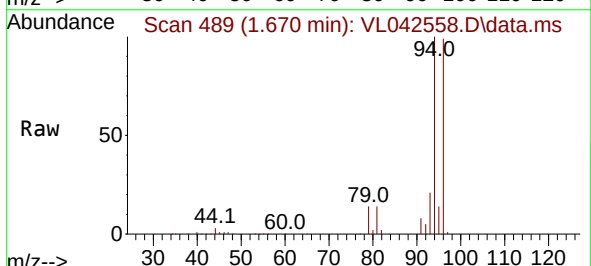
Tgt Ion: 62 Resp: 70380
 Ion Ratio Lower Upper
 62 100
 64 32.2 25.7 38.5

Manual Integrations
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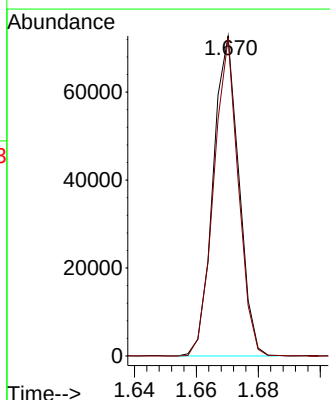
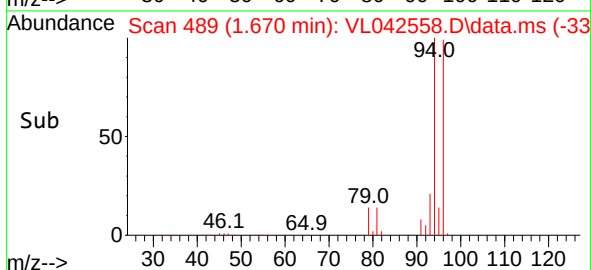
Reviewed By :Semsettin Yesilyurt 05/22/2025
 Supervised By :Mahesh Dadoda 05/22/2025

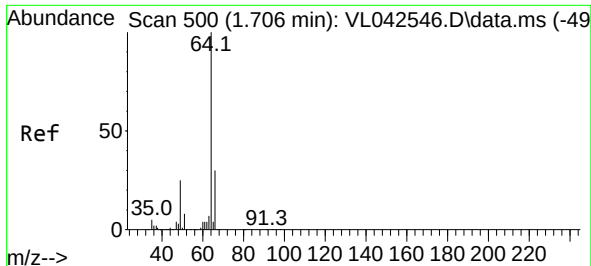


#6
 Bromomethane
 Concen: 9.448 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL042558.D
 Acq: 21 May 2025 10:12



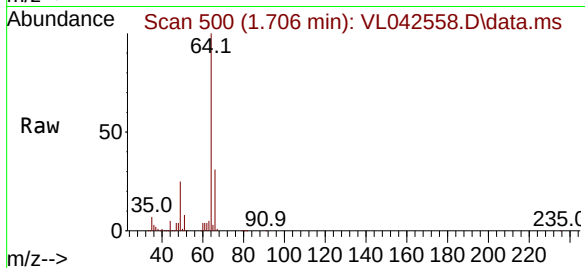
Tgt Ion: 94 Resp: 41995
 Ion Ratio Lower Upper
 94 100
 96 99.4 74.9 112.3





#7
Chloroethane
Concen: 9.419 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

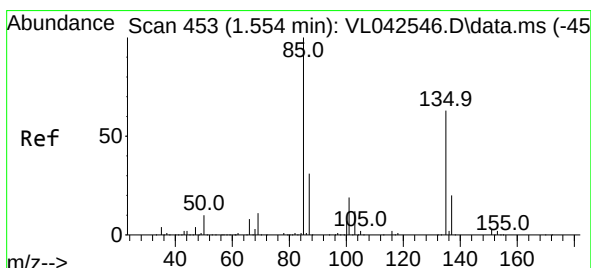
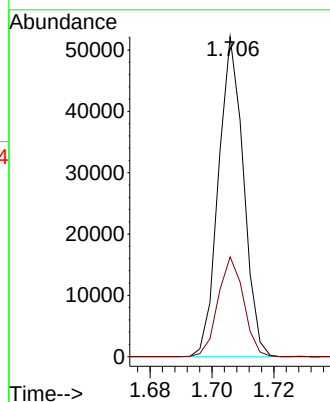
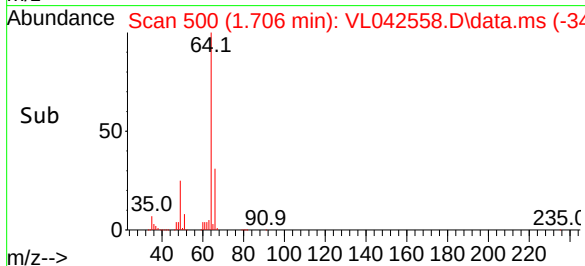
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



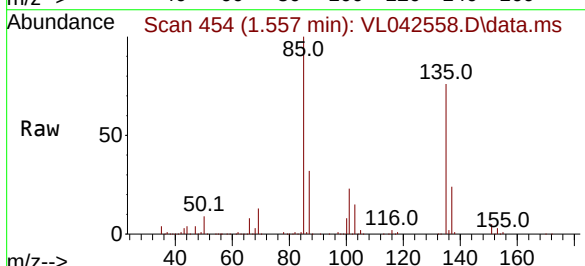
Tgt Ion: 64 Resp: 2926
Ion Ratio Lower Upper
64 100
66 31.2 24.4 36.6

Manual Integrations
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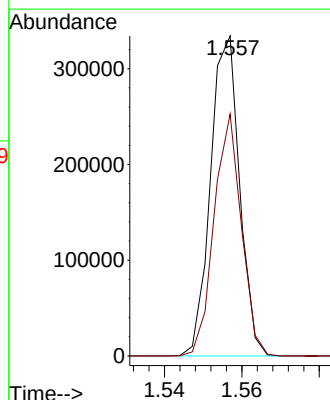
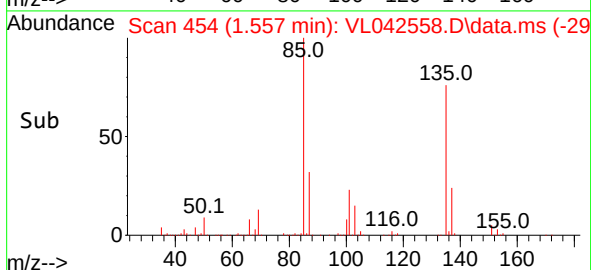
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

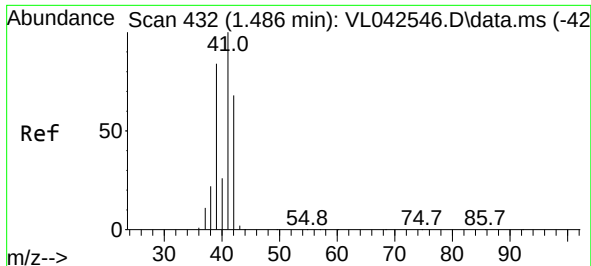


#8
Dichlorotetrafluoroethane
Concen: 9.433 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12



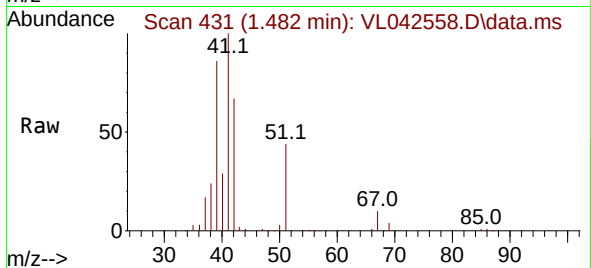
Tgt Ion: 85 Resp: 173808
Ion Ratio Lower Upper
85 100
135 71.0 57.2 85.8





#9
 Propene
 Concen: 8.948 ppbv
 RT: 1.482 min Scan# 41
 Delta R.T. -0.004 min
 Lab File: VL042558.D
 Acq: 21 May 2025 10:12

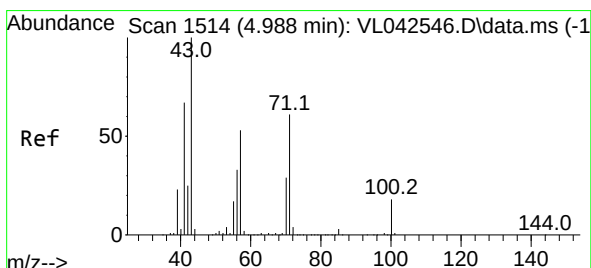
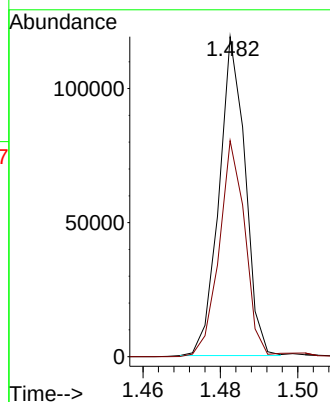
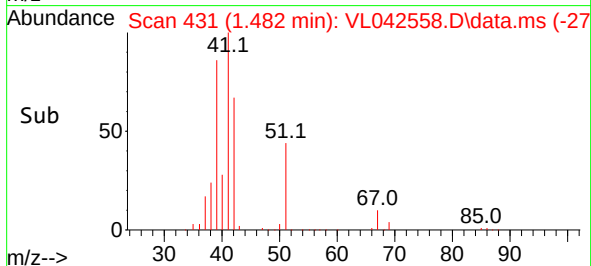
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0521ABS01



Tgt Ion: 41 Resp: 55735
 Ion Ratio Lower Upper
 41 100
 42 68.7 55.0 82.4

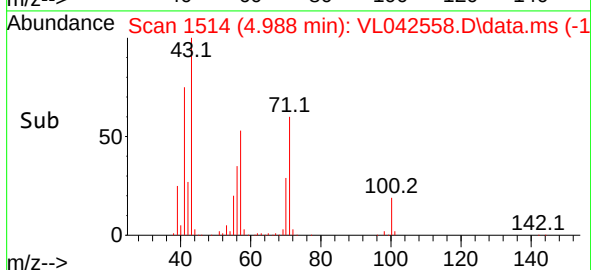
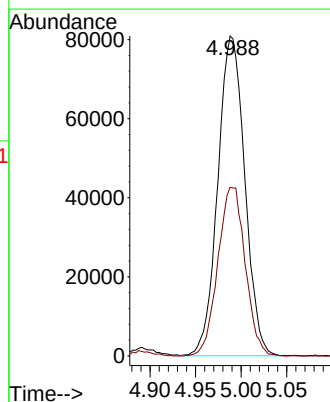
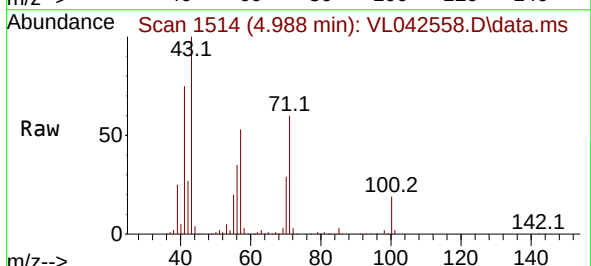
Manual Integrations
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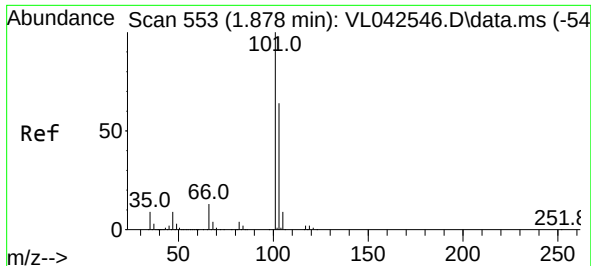
Reviewed By :Semsettin Yesilyurt 05/22/2025
 Supervised By :Mahesh Dadoda 05/22/2025



#10
 Heptane
 Concen: 10.157 ppbv
 RT: 4.988 min Scan# 1514
 Delta R.T. -0.000 min
 Lab File: VL042558.D
 Acq: 21 May 2025 10:12

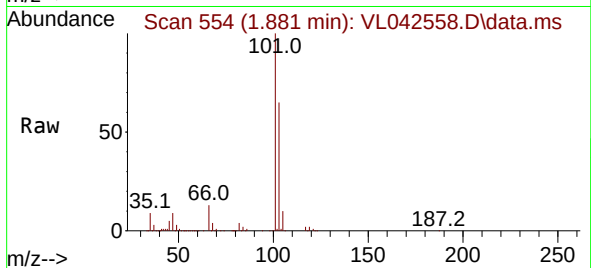
Tgt Ion: 43 Resp: 166704
 Ion Ratio Lower Upper
 43 100
 57 53.5 43.4 65.0





#11
 Trichlorofluoromethane
 Concen: 9.019 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL042558.D
 Acq: 21 May 2025 10:12

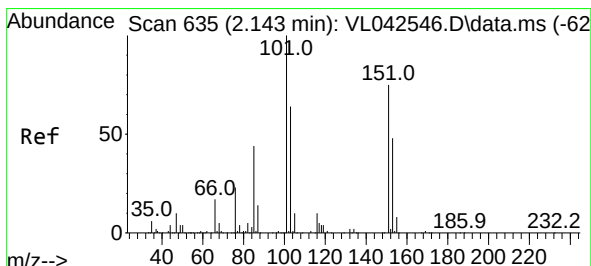
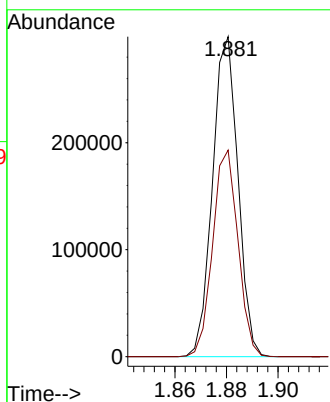
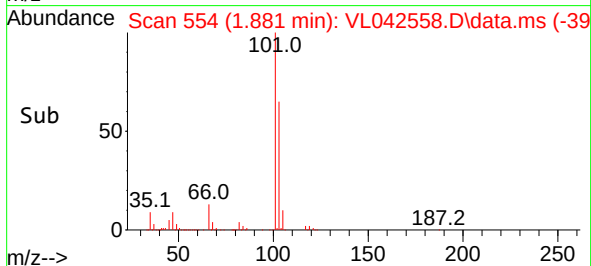
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0521ABS01



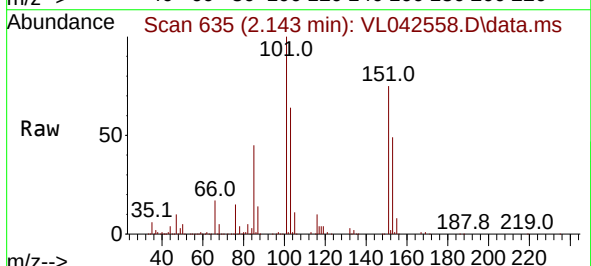
Tgt Ion:101 Resp: 204847
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.5 77.3

Manual Integrations
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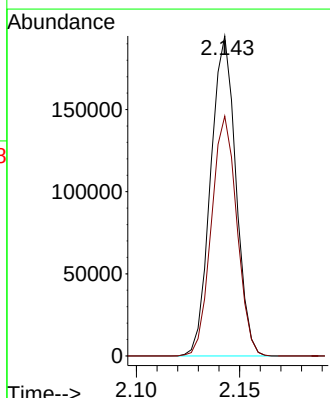
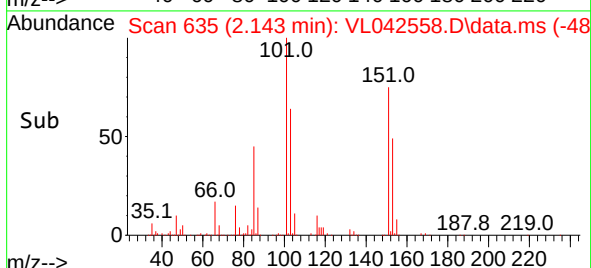
Reviewed By :Semsettin Yesilyurt 05/22/2025
 Supervised By :Mahesh Dadoda 05/22/2025

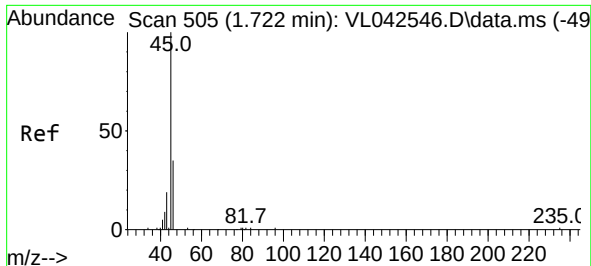


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.018 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: VL042558.D
 Acq: 21 May 2025 10:12



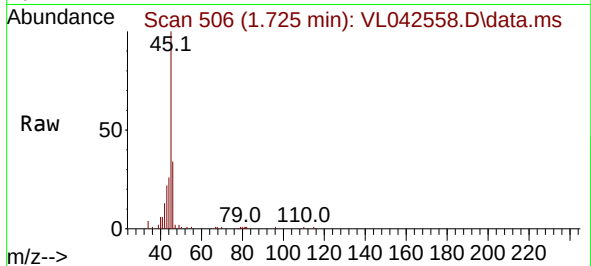
Tgt Ion:101 Resp: 165114
 Ion Ratio Lower Upper
 101 100
 151 75.6 59.5 89.3





#13
Ethanol
Concen: 7.393 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

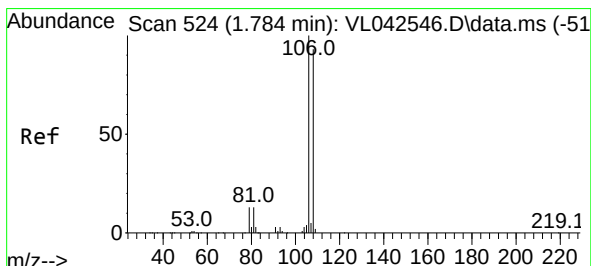
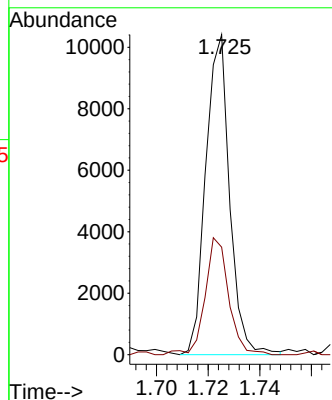
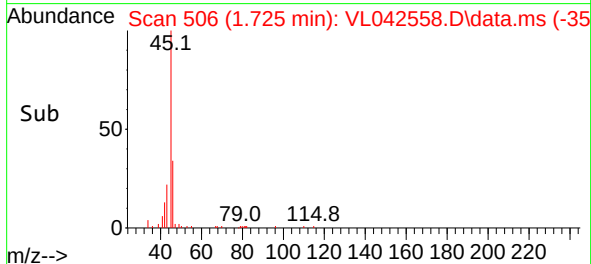
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



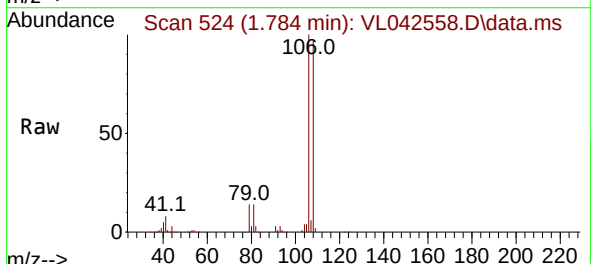
Tgt Ion: 45 Resp: 6675
Ion Ratio Lower Upper
45 100
46 36.6 15.3 61.3

Manual Integrations
APPROVED

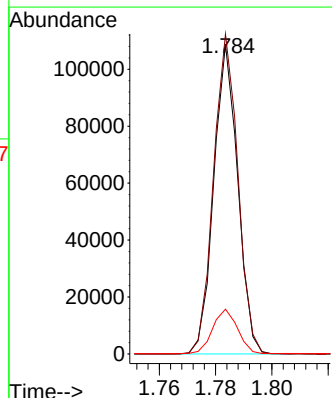
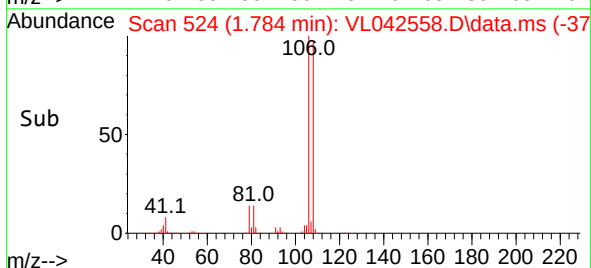
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

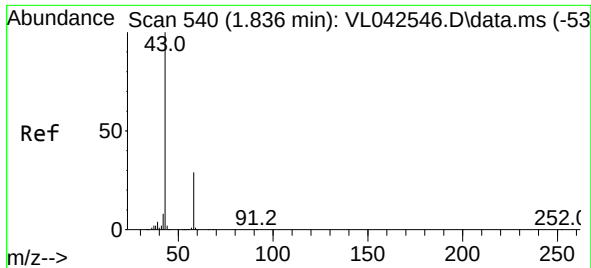


#14
Bromoethene
Concen: 9.294 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12



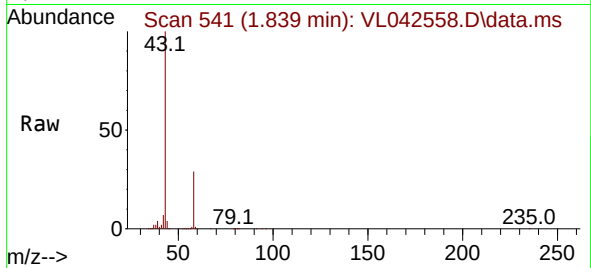
Tgt Ion:108 Resp: 64287
Ion Ratio Lower Upper
108 100
106 104.7 86.4 129.6
79 15.6 11.9 17.9





#15
Acetone
Concen: 7.552 ppbv
RT: 1.839 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

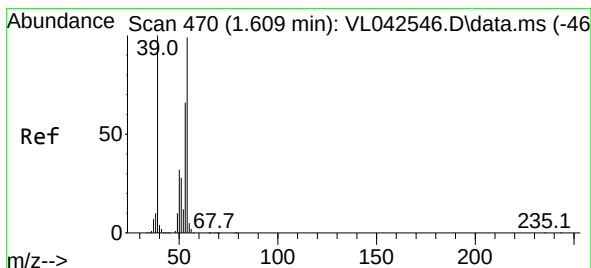
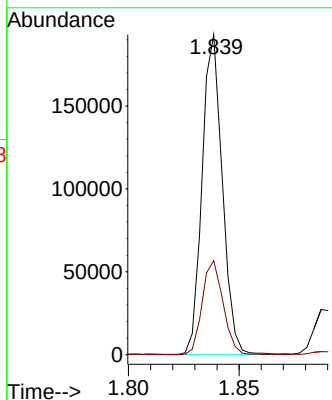
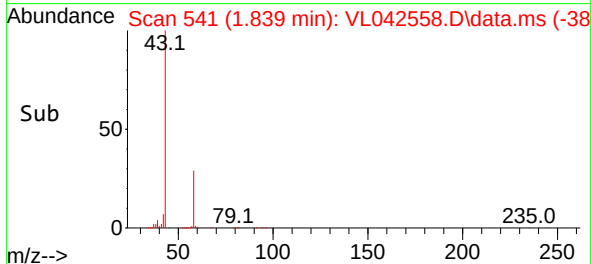
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



Tgt Ion: 43 Resp: 122417
Ion Ratio Lower Upper
43 100
58 30.6 24.2 36.2

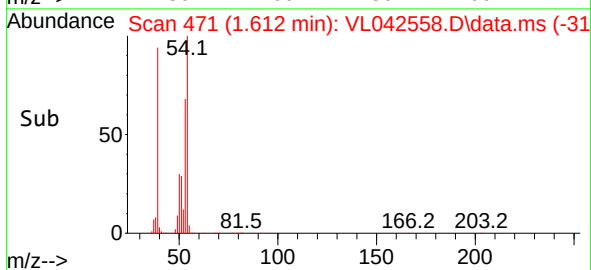
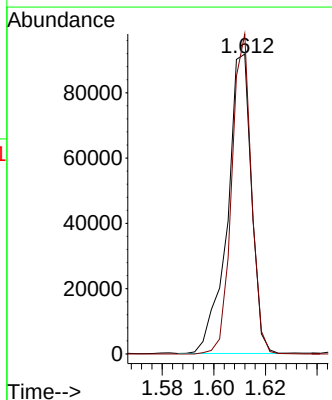
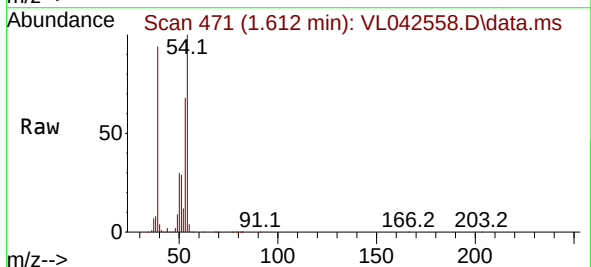
Manual Integrations
APPROVED

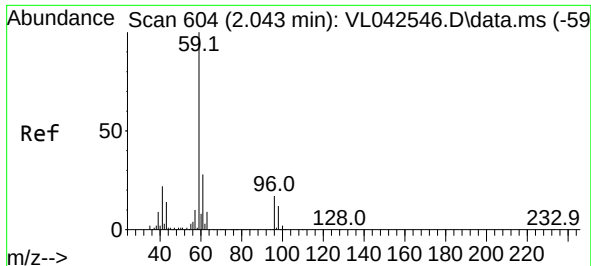
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#16
1,3-Butadiene
Concen: 9.093 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

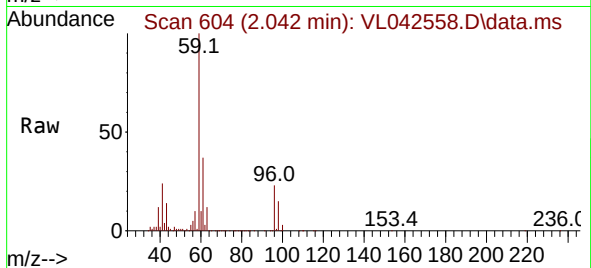
Tgt Ion: 39 Resp: 59838
Ion Ratio Lower Upper
39 100
54 86.8 71.8 107.8





#17
tert-Butyl alcohol
Concen: 8.692 ppbv
RT: 2.042 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

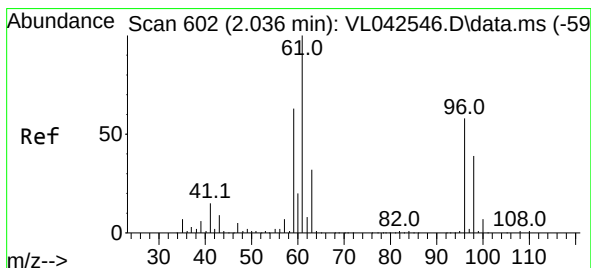
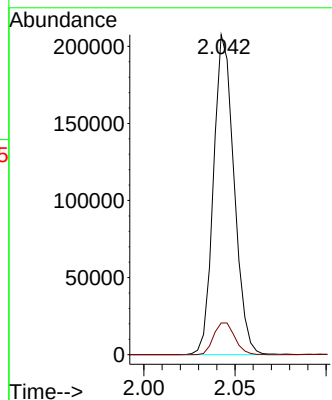
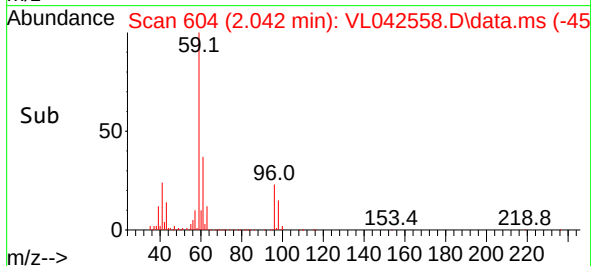
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



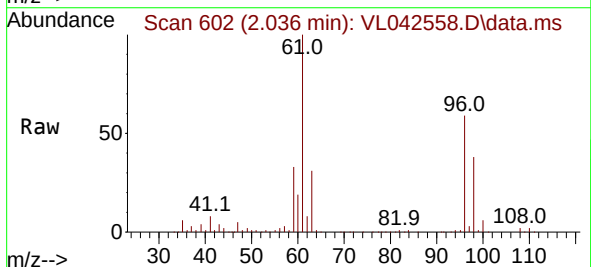
Tgt Ion: 59 Resp: 16283
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2

Manual Integrations
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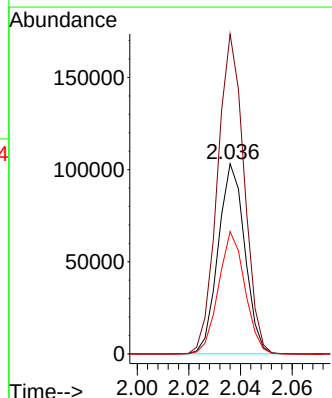
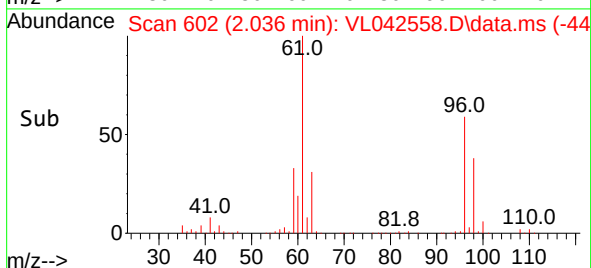
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

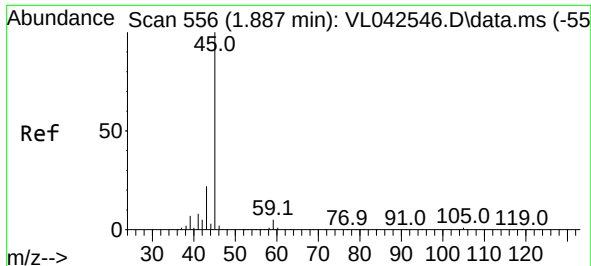


#18
1,1-Dichloroethene
Concen: 8.931 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12



Tgt Ion: 96 Resp: 73897
Ion Ratio Lower Upper
96 100
61 168.3 137.5 206.3
98 64.4 53.2 79.8





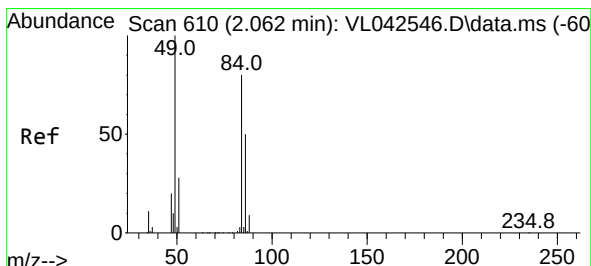
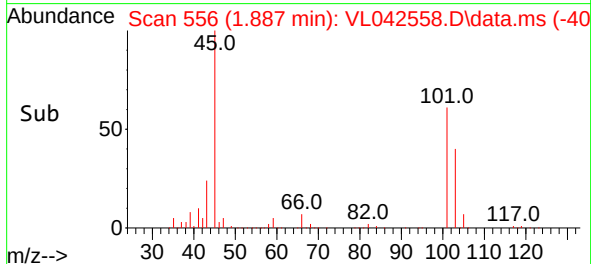
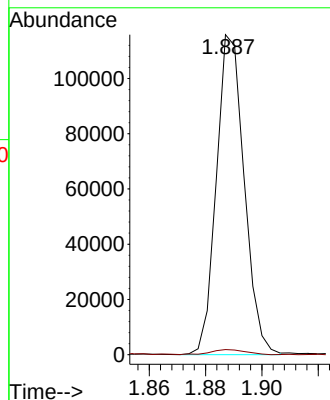
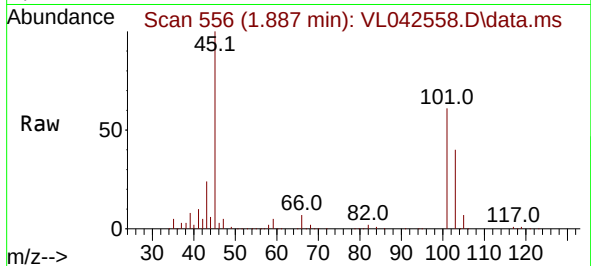
#19
Isopropyl Alcohol
Concen: 8.631 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01

Tgt Ion: 45 Resp: 79558
Ion Ratio Lower Upper
45 100
58 2.1 35.3 52.9

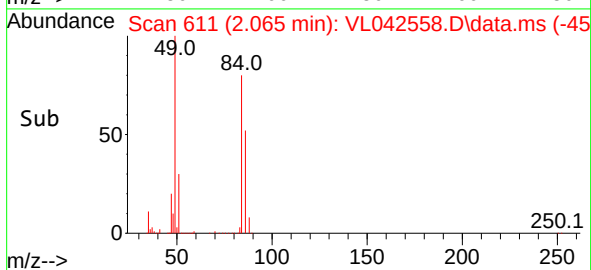
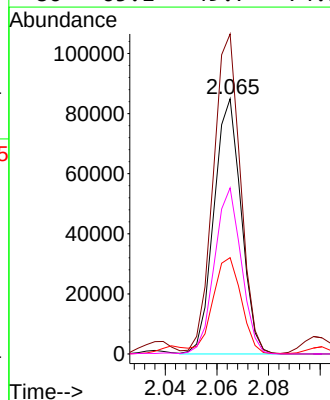
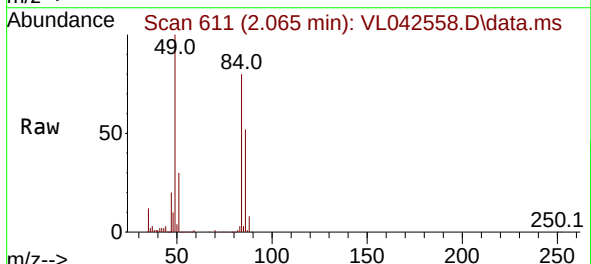
Manual Integrations
APPROVED

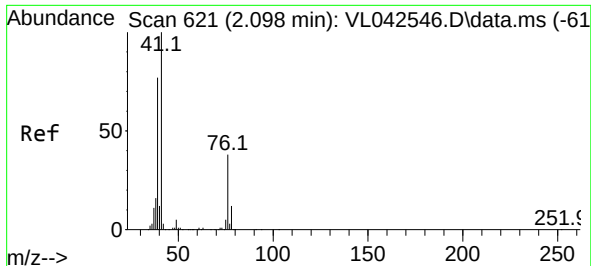
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#20
Methylene Chloride
Concen: 7.928 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

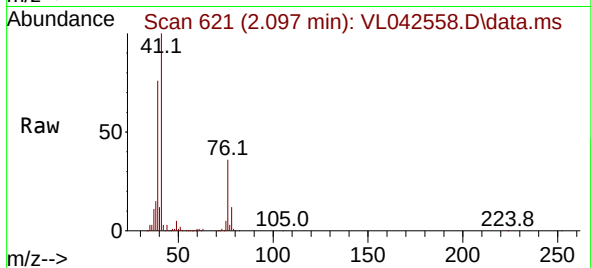
Tgt Ion: 84 Resp: 62225
Ion Ratio Lower Upper
84 100
49 125.2 99.7 149.5
51 37.6 29.7 44.5
86 65.1 49.7 74.5





#21
 Allyl Chloride
 Concen: 8.988 ppbv
 RT: 2.097 min Scan# 611
 Delta R.T. -0.000 min
 Lab File: VL042558.D
 Acq: 21 May 2025 10:12

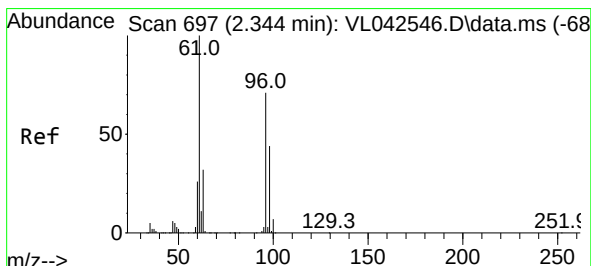
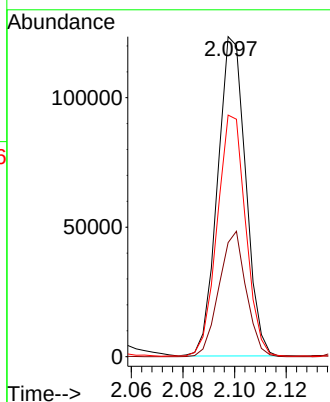
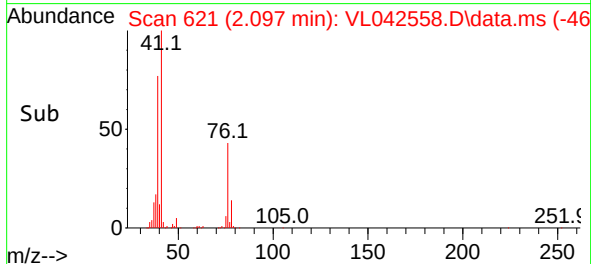
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0521ABS01



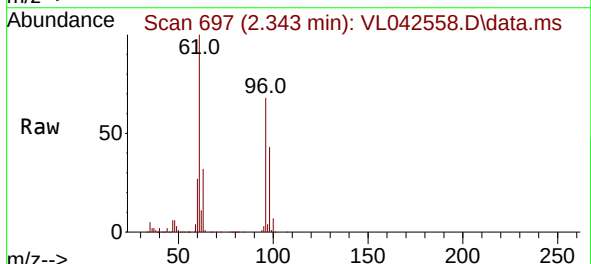
Tgt Ion: 41 Resp: 9332
 Ion Ratio Lower Upper
 41 100
 76 37.9 30.2 45.4
 39 76.5 62.5 93.7

Manual Integrations
 APPROVED

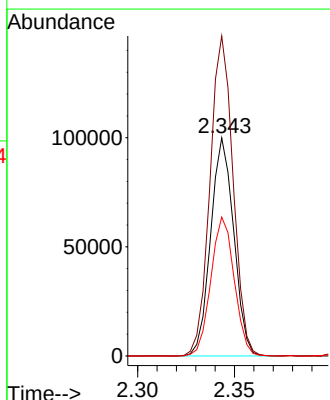
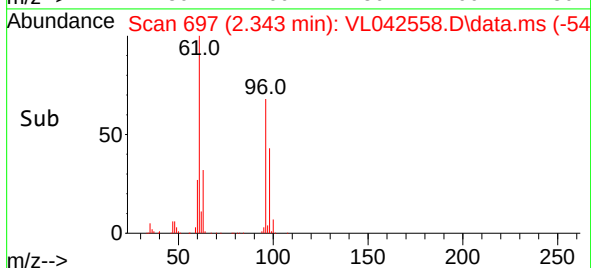
Reviewed By :Semsettin Yesilyurt 05/22/2025
 Supervised By :Mahesh Dadoda 05/22/2025

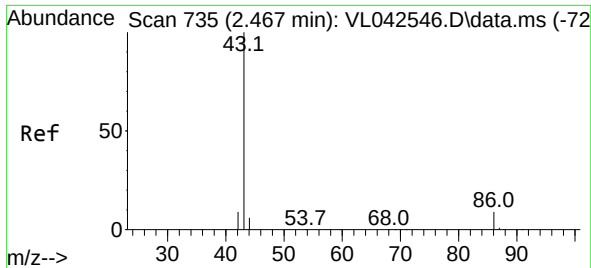


#22
 trans-1,2-Dichloroethene
 Concen: 9.038 ppbv
 RT: 2.343 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VL042558.D
 Acq: 21 May 2025 10:12



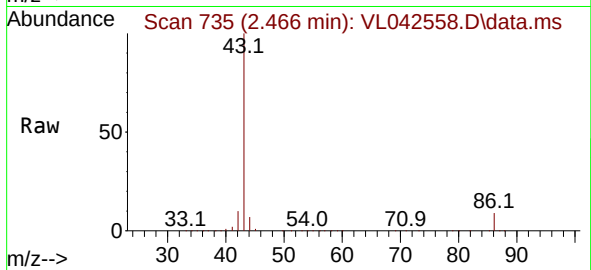
Tgt Ion: 96 Resp: 82974
 Ion Ratio Lower Upper
 96 100
 61 146.7 112.5 168.7
 98 63.7 49.0 73.4





#23
 Vinyl Acetate
 Concen: 8.696 ppbv
 RT: 2.466 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL042558.D
 Acq: 21 May 2025 10:12

Instrument : MSVOA_L
 ClientSampleId : VL0521ABS01

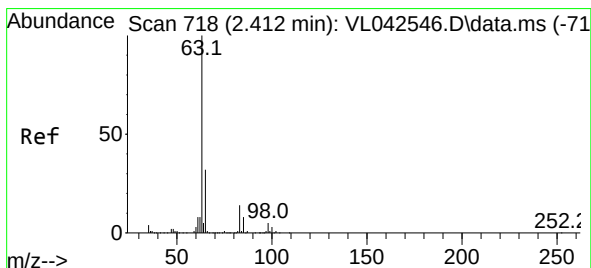
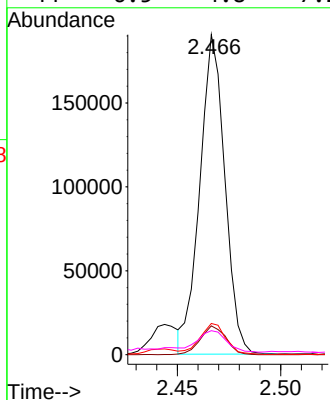
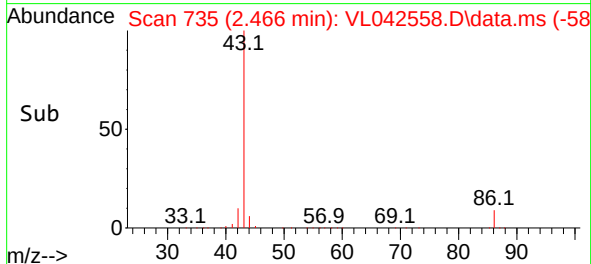


Tgt Ion: 43 Resp: 16039

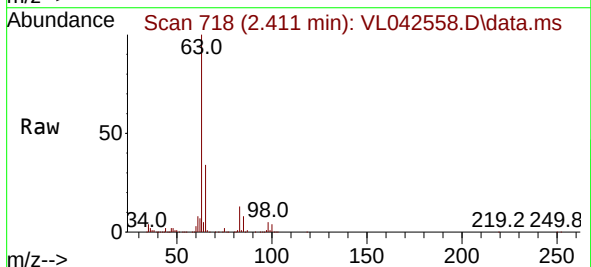
Ion	Ratio	Lower	Upper
43	100		
86	9.0	7.0	10.6
42	9.6	7.4	11.2
44	6.5	4.8	7.2

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/22/2025
 Supervised By :Mahesh Dadoda 05/22/2025

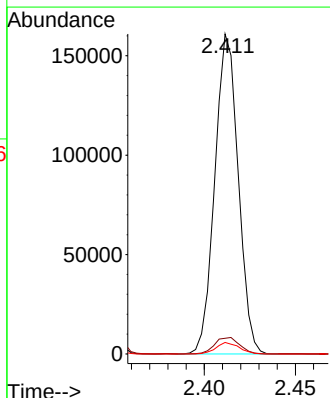
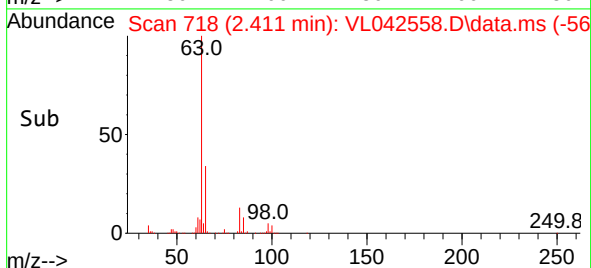


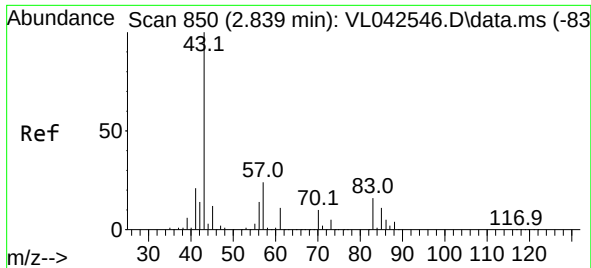
#24
 1,1-Dichloroethane
 Concen: 9.147 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL042558.D
 Acq: 21 May 2025 10:12



Tgt Ion: 63 Resp: 144008

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.6	7.8
100	3.6	1.8	5.3





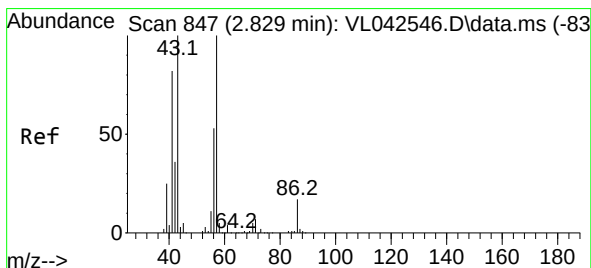
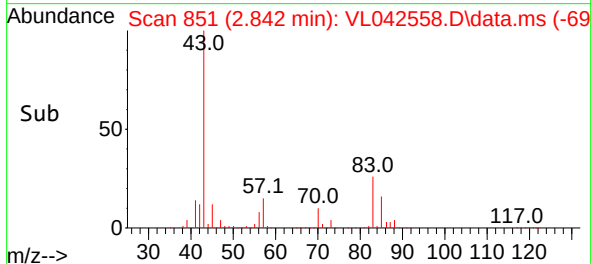
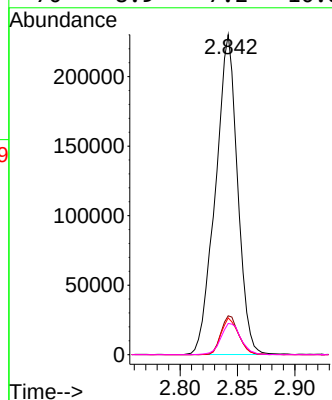
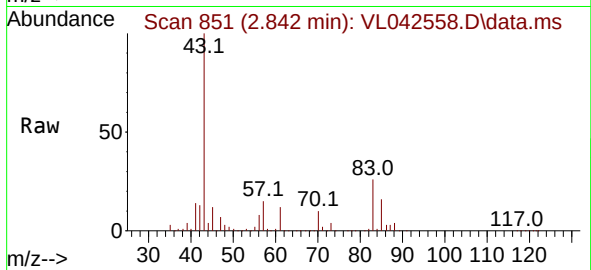
#25
Ethyl Acetate
Concen: 9.822 ppbv
RT: 2.842 min Scan# 850
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01

Tgt Ion: 43 Resp: 30778
Ion Ratio Lower Upper
43 100
45 9.9 8.0 12.0
61 9.2 7.5 11.3
70 8.9 7.2 10.8

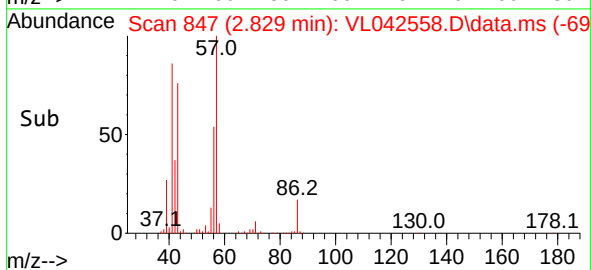
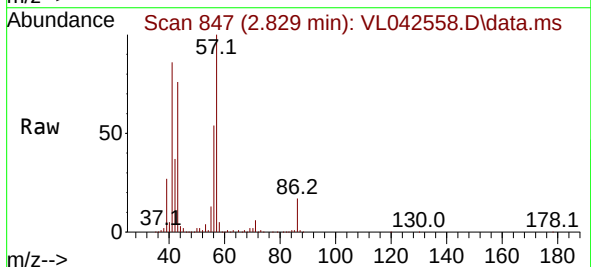
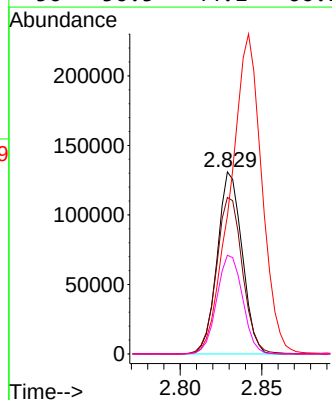
Manual Integrations
APPROVED

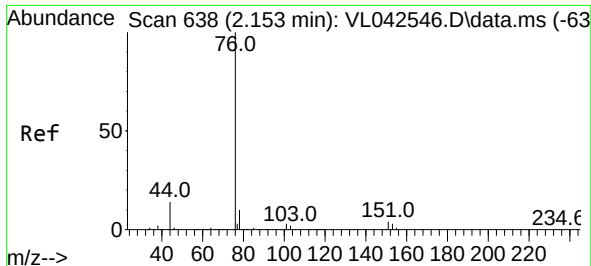
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#26
Hexane
Concen: 9.767 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

Tgt Ion: 57 Resp: 138375
Ion Ratio Lower Upper
57 100
41 91.4 69.0 103.4
43 224.3 174.2 261.2
56 56.5 44.1 66.1





#27

Carbon Disulfide

Concen: 9.325 ppbv

RT: 2.152 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL042558.D

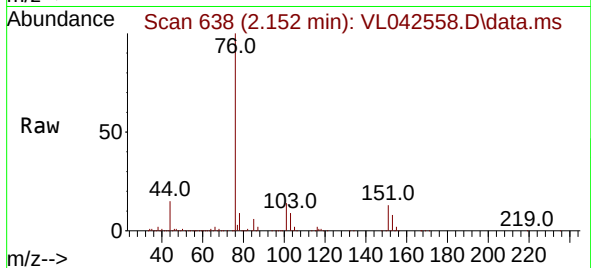
Acq: 21 May 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

VL0521ABS01



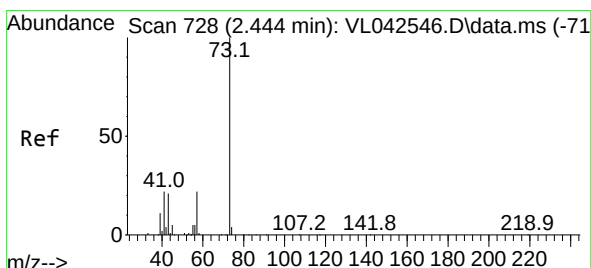
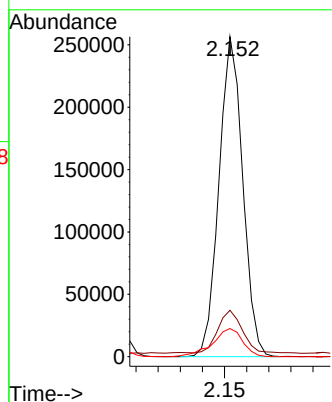
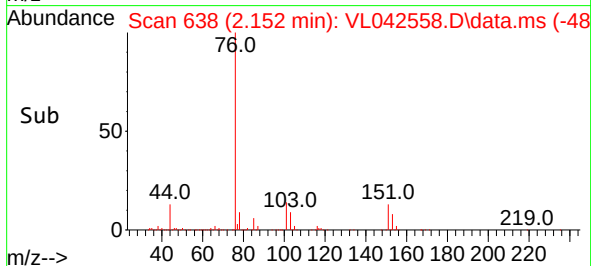
Tgt Ion: 76 Resp: 19135

Ion	Ratio	Lower	Upper
76	100		
44	14.2	14.0	21.0
78	11.2	9.4	14.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#28

Methyl tert-Butyl Ether

Concen: 8.497 ppbv

RT: 2.444 min Scan# 728

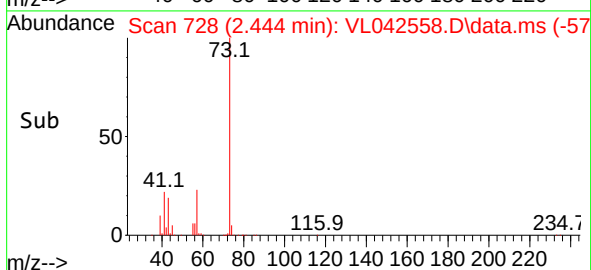
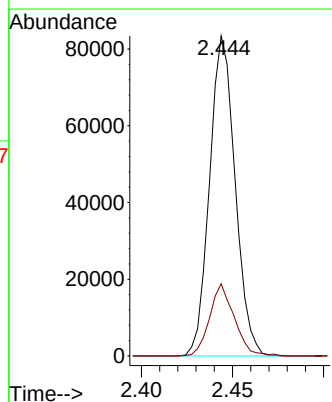
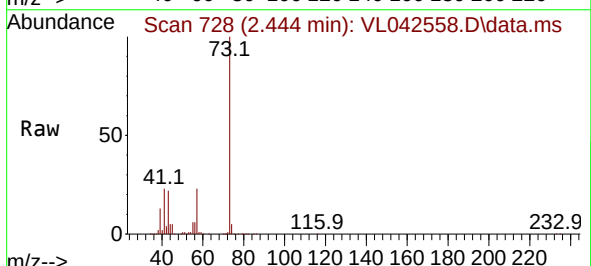
Delta R.T. -0.000 min

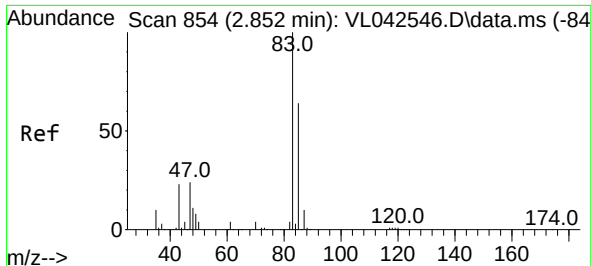
Lab File: VL042558.D

Acq: 21 May 2025 10:12

Tgt Ion: 73 Resp: 81115

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.2	25.8





#29

Chloroform

Concen: 9.533 ppbv

RT: 2.855 min Scan# 85

Delta R.T. 0.003 min

Lab File: VL042558.D

Acq: 21 May 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

VL0521ABS01

Tgt Ion: 83 Resp: 255414

Ion Ratio Lower Upper

83 100

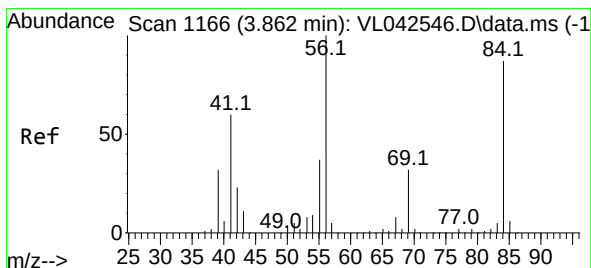
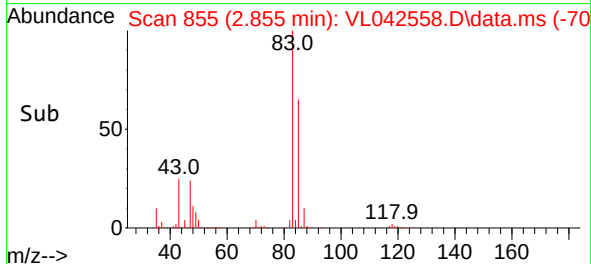
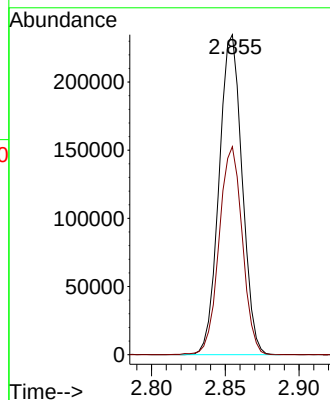
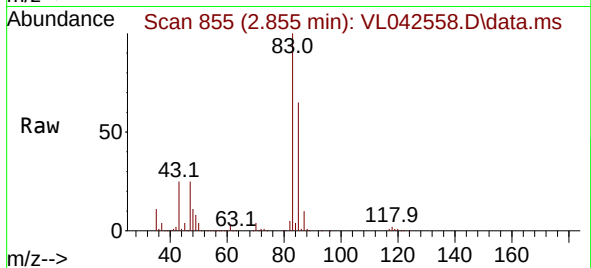
85 65.0 51.6 77.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#30

Cyclohexane

Concen: 10.142 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VL042558.D

Acq: 21 May 2025 10:12

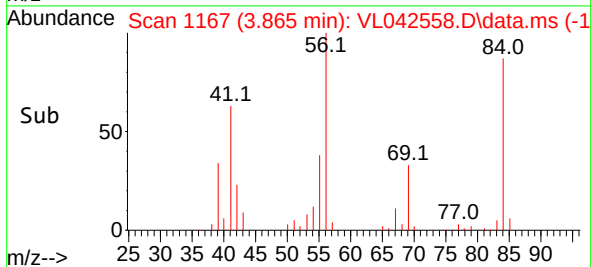
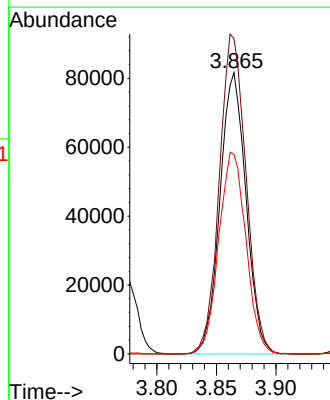
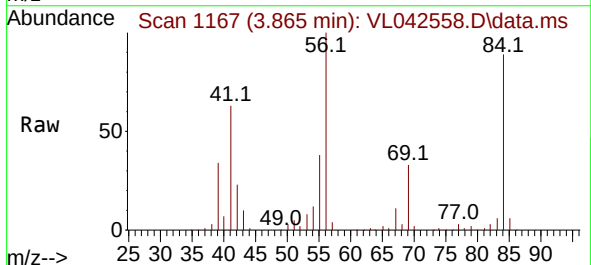
Tgt Ion: 84 Resp: 124310

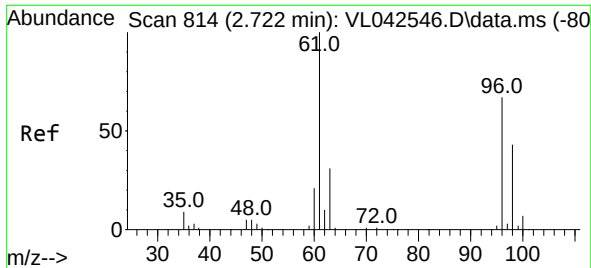
Ion Ratio Lower Upper

84 100

56 116.0 92.3 138.5

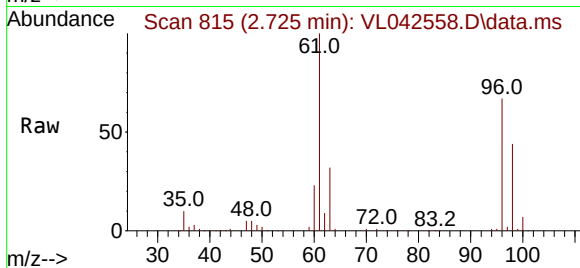
41 74.9 57.0 85.4





#31
 cis-1,2-Dichloroethene
 Concen: 9.359 ppbv
 RT: 2.725 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL042558.D
 Acq: 21 May 2025 10:12

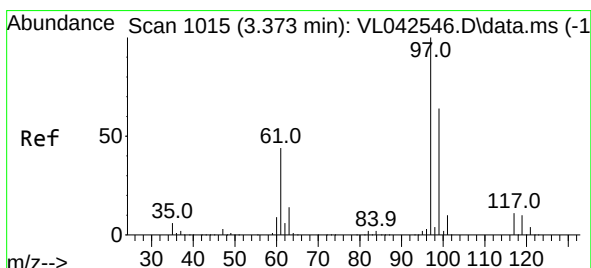
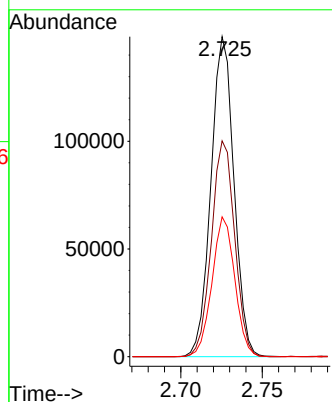
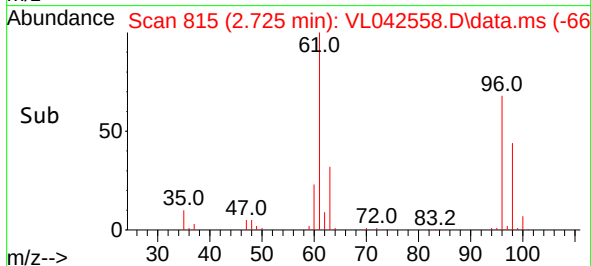
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0521ABS01



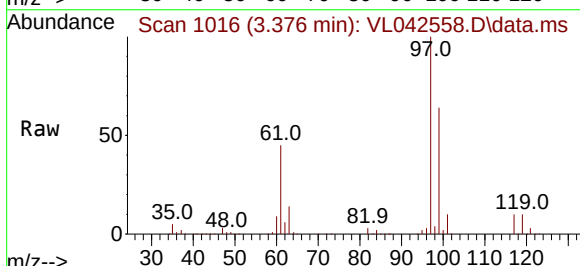
Tgt Ion: 61 Resp: 145782
 Ion Ratio Lower Upper
 61 100
 96 67.5 53.8 80.8
 98 43.7 34.5 51.7

Manual Integrations
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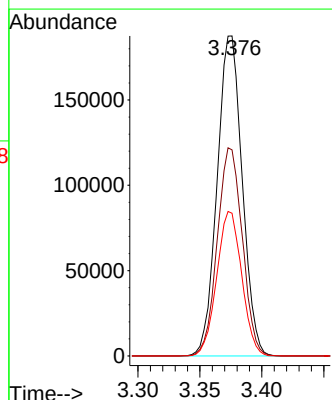
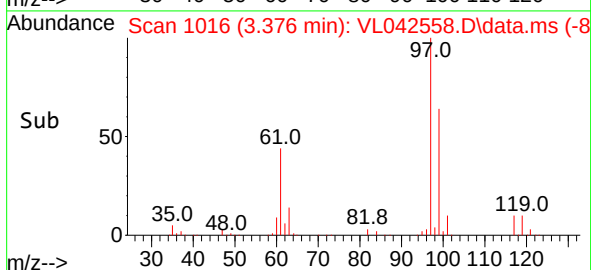
Reviewed By :Semsettin Yesilyurt 05/22/2025
 Supervised By :Mahesh Dadoda 05/22/2025

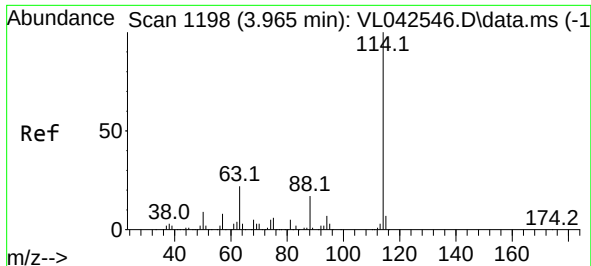


#32
 1,1,1-Trichloroethane
 Concen: 9.674 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.003 min
 Lab File: VL042558.D
 Acq: 21 May 2025 10:12



Tgt Ion: 97 Resp: 264881
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.5 77.3
 61 44.9 35.7 53.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.000 min

Lab File: VL042558.D

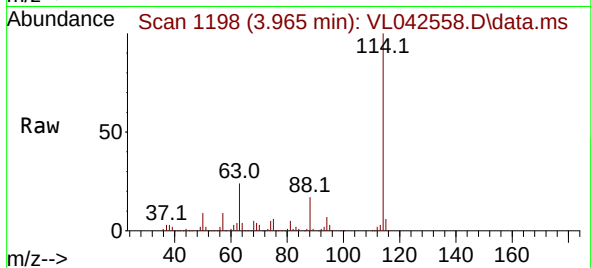
Acq: 21 May 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

VL0521ABS01



Tgt Ion:114 Resp: 377848

Ion Ratio Lower Upper

114 100

63 23.6 18.4 27.6

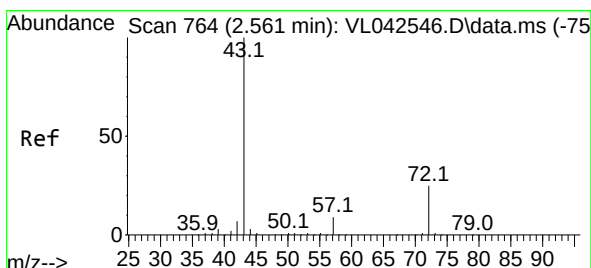
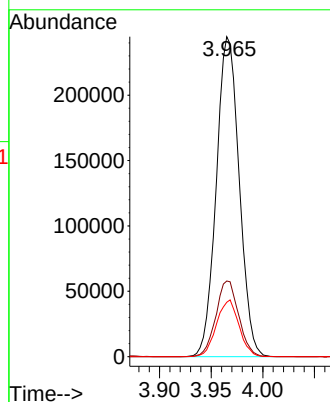
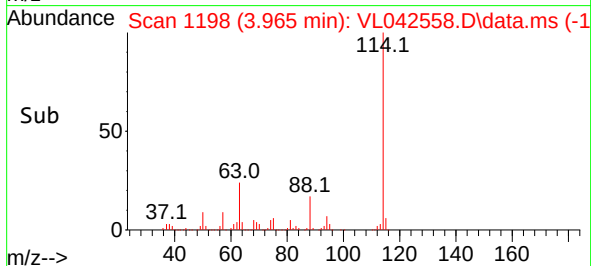
88 17.4 14.0 21.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#34

2-Butanone

Concen: 9.646 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.003 min

Lab File: VL042558.D

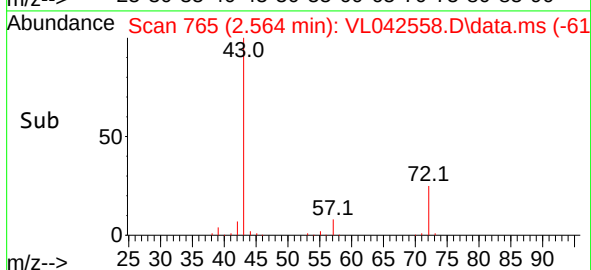
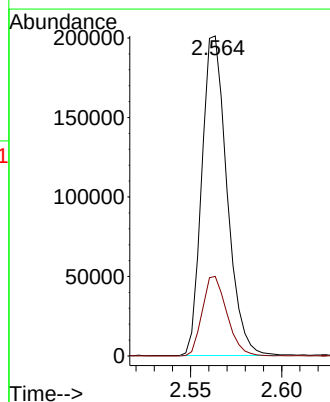
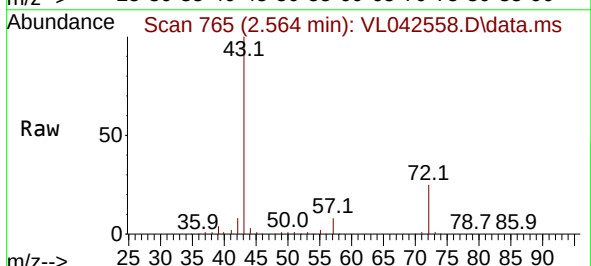
Acq: 21 May 2025 10:12

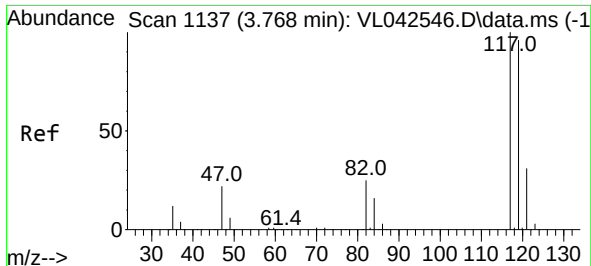
Tgt Ion: 43 Resp: 193483

Ion Ratio Lower Upper

43 100

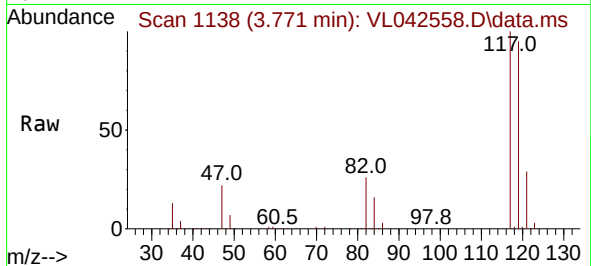
72 24.5 20.5 30.7





#35
Carbon Tetrachloride
Concen: 10.036 ppbv
RT: 3.771 min Scan# 1137
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

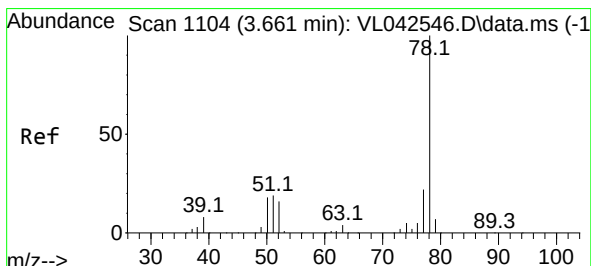
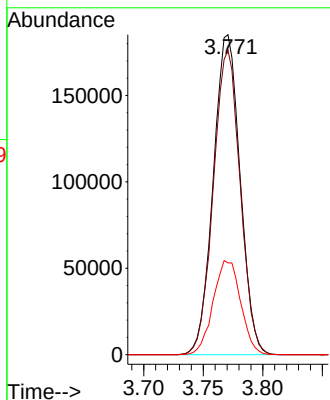
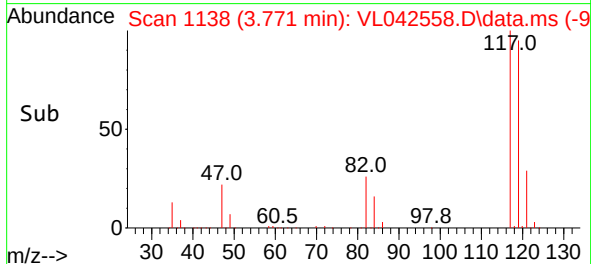
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



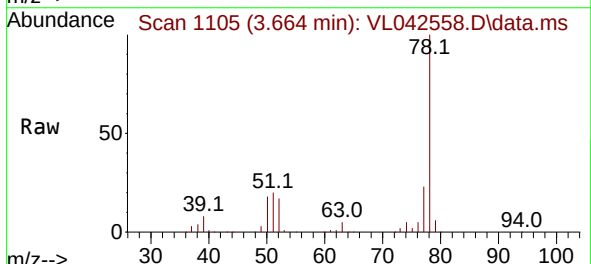
Tgt Ion:117 Resp: 28994
Ion Ratio Lower Upper
117 100
119 95.2 76.6 114.8
121 28.7 24.7 37.1

Manual Integrations
APPROVED

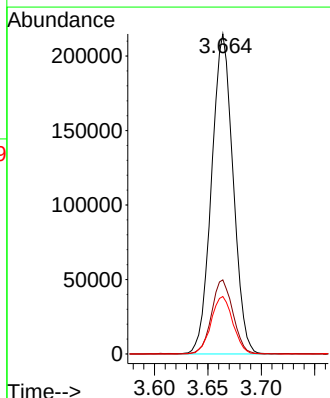
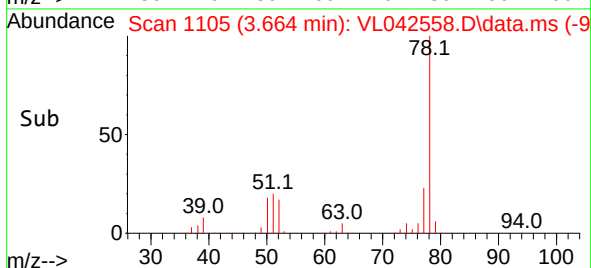
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

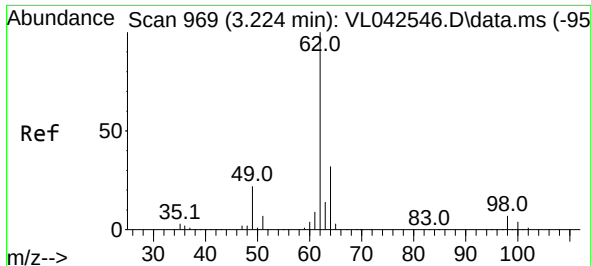


#36
Benzene
Concen: 9.834 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12



Tgt Ion: 78 Resp: 300694
Ion Ratio Lower Upper
78 100
77 23.1 17.8 26.6
50 18.0 14.0 21.0





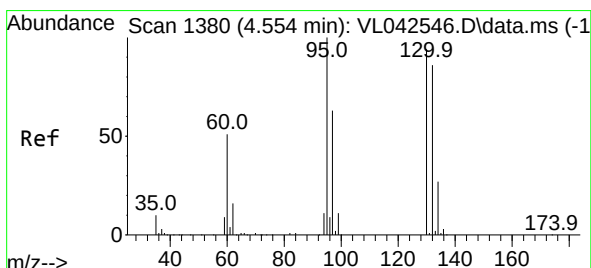
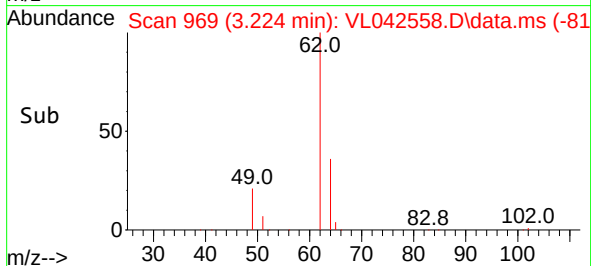
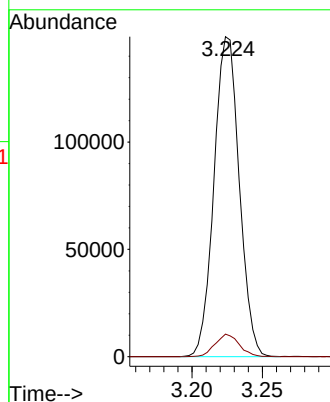
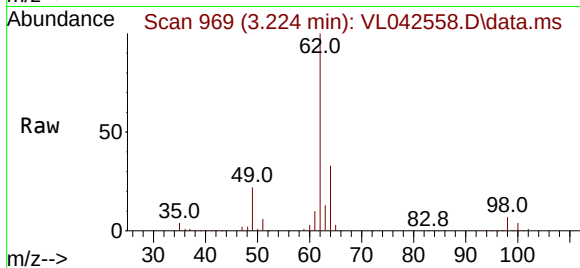
#37
1,2-Dichloroethane
Concen: 9.972 ppbv
RT: 3.224 min Scan# 90
Delta R.T. -0.000 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01

Tgt Ion: 62 Resp: 186300
Ion Ratio Lower Upper
62 100
98 6.7 5.5 8.3

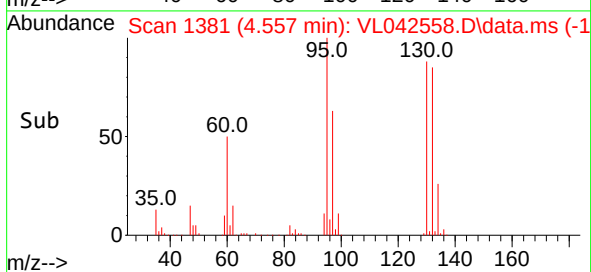
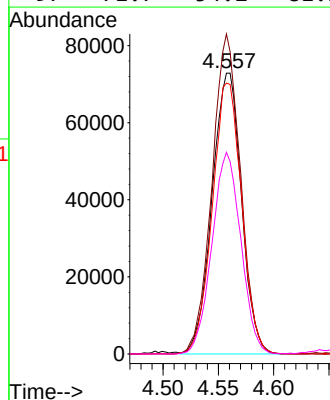
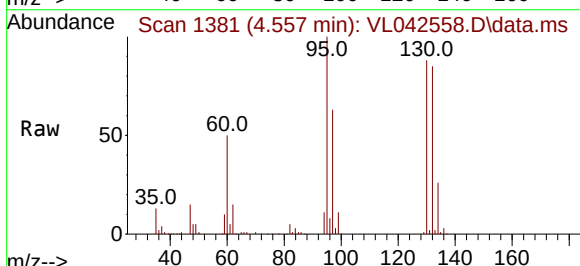
Manual Integrations
APPROVED

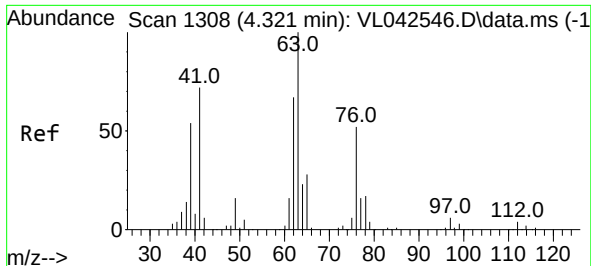
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#38
Trichloroethene
Concen: 9.636 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

Tgt Ion:130 Resp: 134468
Ion Ratio Lower Upper
130 100
95 113.8 85.2 127.8
132 96.3 73.4 110.2
97 71.7 54.2 81.2





#39

1,2-Dichloropropane

Concen: 9.668 ppbv

RT: 4.324 min Scan# 1308

Delta R.T. 0.003 min

Lab File: VL042558.D

Acq: 21 May 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

VL0521ABS01

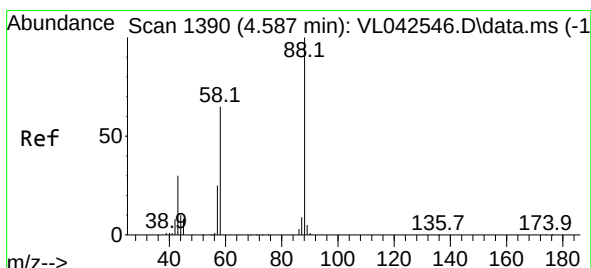
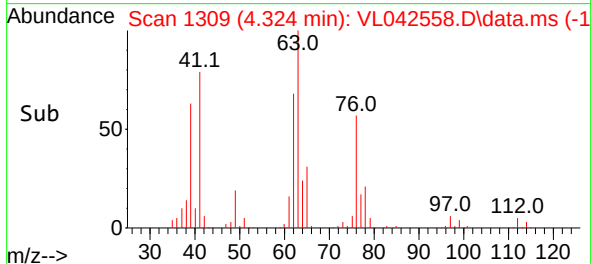
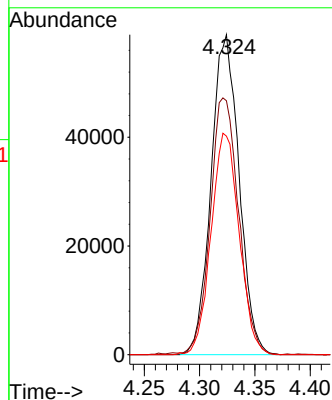
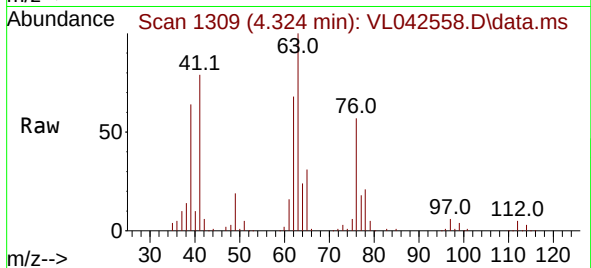
Tgt Ion: 63 Resp: 103750

Ion	Ratio	Lower	Upper
63	100		
41	79.3	58.0	87.0
62	68.3	53.3	79.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#40

1,4-Dioxane

Concen: 9.832 ppbv

RT: 4.596 min Scan# 1393

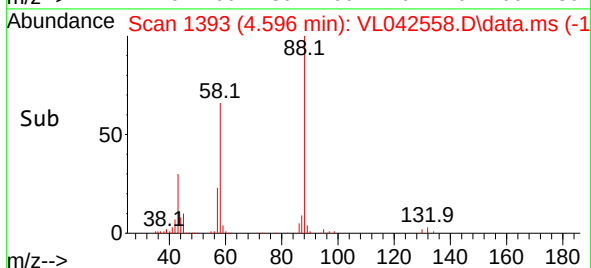
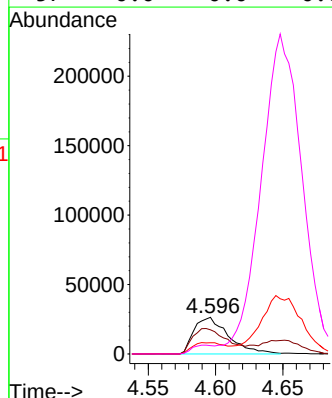
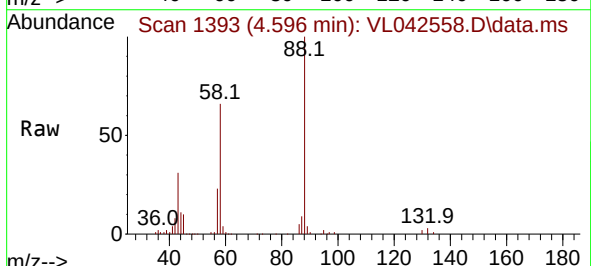
Delta R.T. 0.009 min

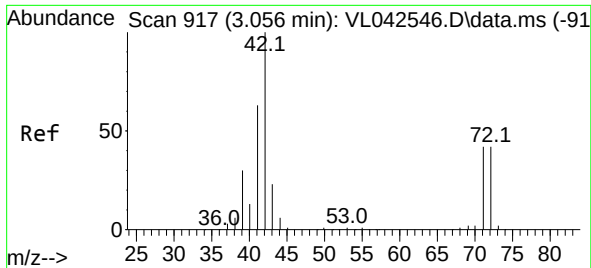
Lab File: VL042558.D

Acq: 21 May 2025 10:12

Tgt Ion: 88 Resp: 47199

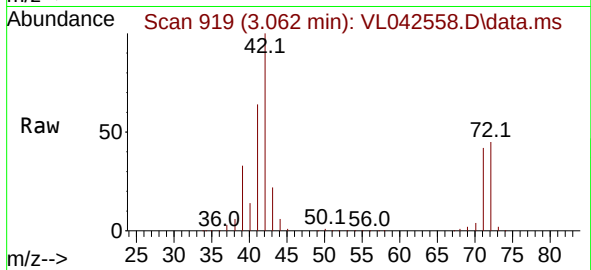
Ion	Ratio	Lower	Upper
88	100		
58	69.8	52.8	79.2
43	0.0	23.0	34.4#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 10.433 ppbv
RT: 3.062 min Scan# 917
Delta R.T. 0.006 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

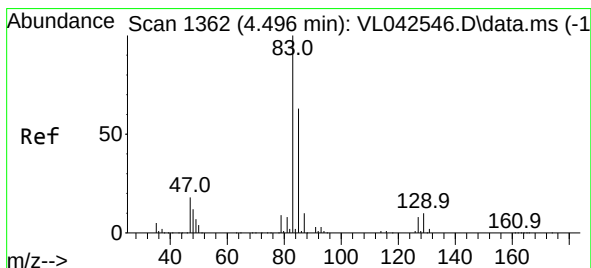
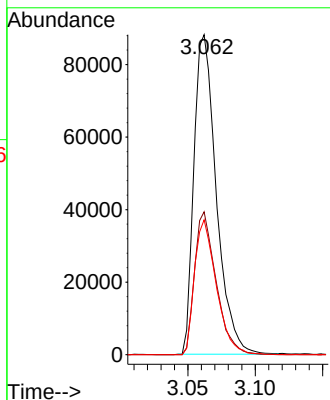
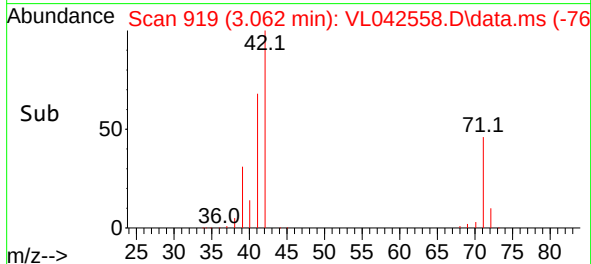
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



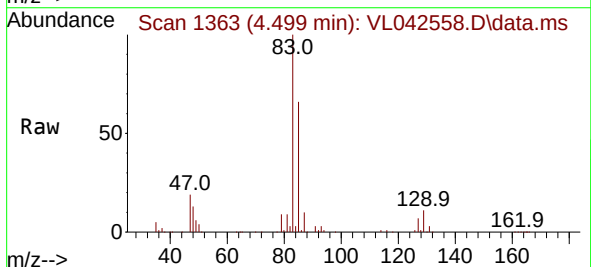
Tgt Ion: 42 Resp: 10201
Ion Ratio Lower Upper
42 100
72 42.9 34.8 52.2
71 41.1 33.6 50.4

Manual Integrations
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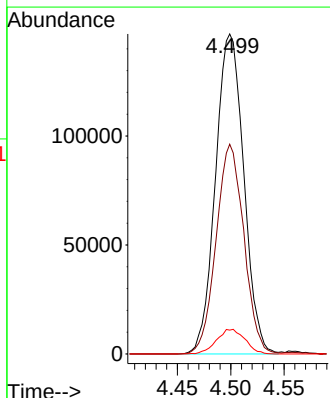
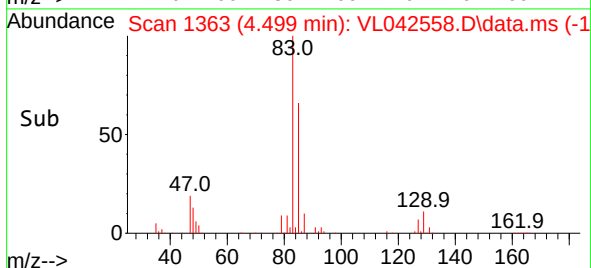
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

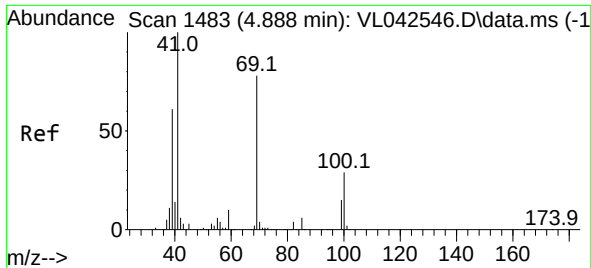


#42
Bromodichloromethane
Concen: 10.281 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12



Tgt Ion: 83 Resp: 270663
Ion Ratio Lower Upper
83 100
85 65.6 50.4 75.6
127 7.5 6.5 9.7





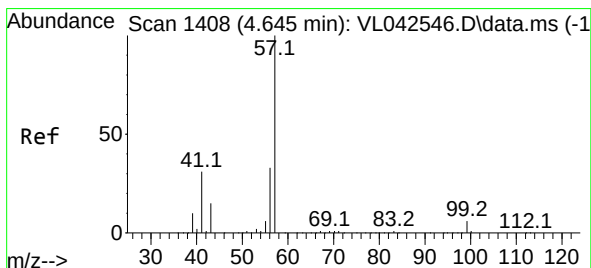
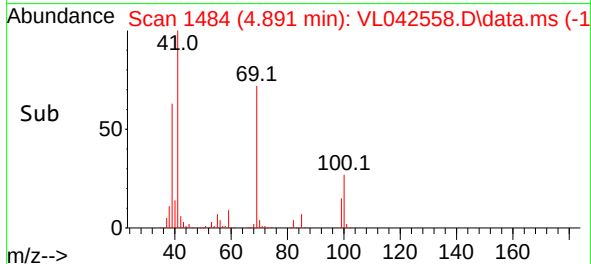
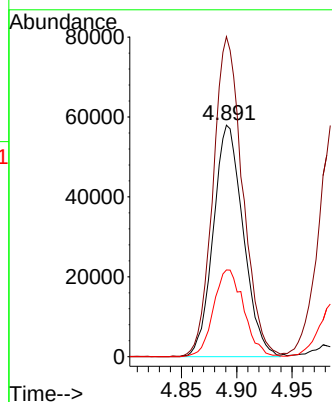
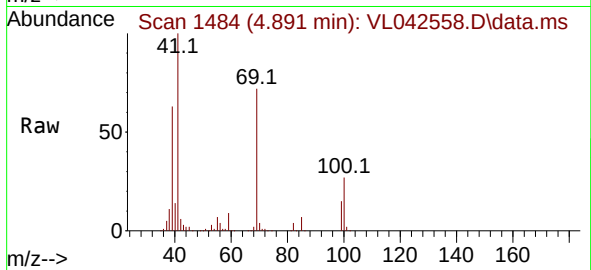
#43
Methyl Methacrylate
Concen: 10.505 ppbv
RT: 4.891 min Scan# 1484
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

Instrument :
MSVOA_1
ClientSampleId :
VL0521ABS01

Tgt Ion: 69 Resp: 10900
Ion Ratio Lower Upper
69 100
41 136.7 107.8 161.8
100 37.9 30.3 45.5

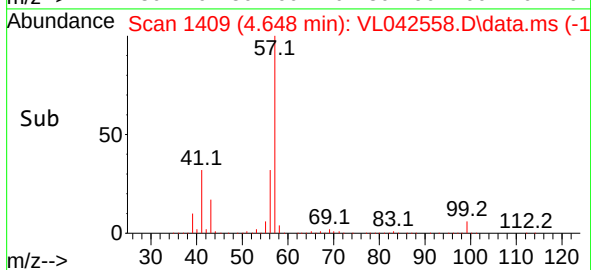
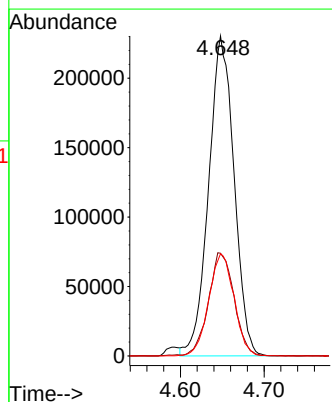
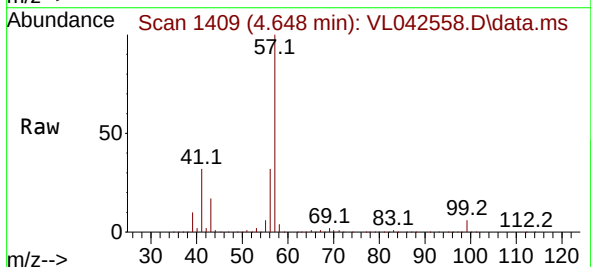
Manual Integrations
APPROVED

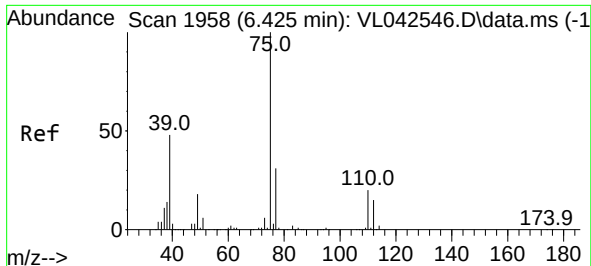
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#44
2,2,4-Trimethylpentane
Concen: 10.374 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

Tgt Ion: 57 Resp: 486516
Ion Ratio Lower Upper
57 100
41 32.9 25.0 37.4
56 31.8 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 10.389 ppbv

RT: 6.428 min Scan# 1958

Delta R.T. 0.003 min

Lab File: VL042558.D

Acq: 21 May 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

VL0521ABS01

Tgt Ion: 75 Resp: 137509

Ion Ratio Lower Upper

75 100

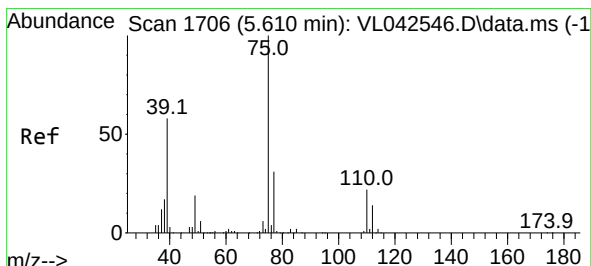
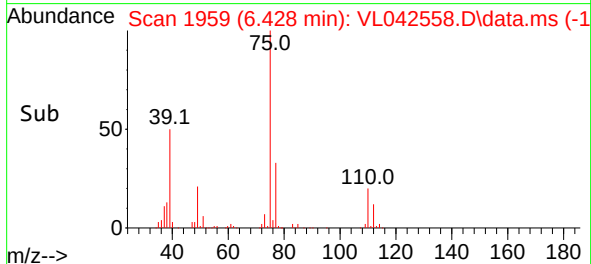
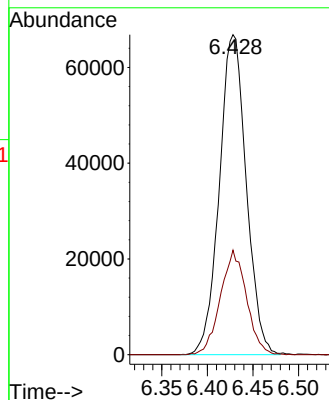
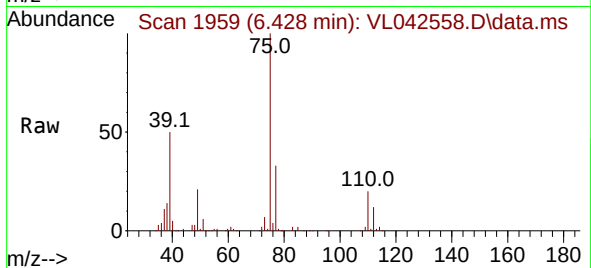
77 32.6 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#46

cis-1,3-Dichloropropene

Concen: 10.199 ppbv

RT: 5.612 min Scan# 1707

Delta R.T. 0.003 min

Lab File: VL042558.D

Acq: 21 May 2025 10:12

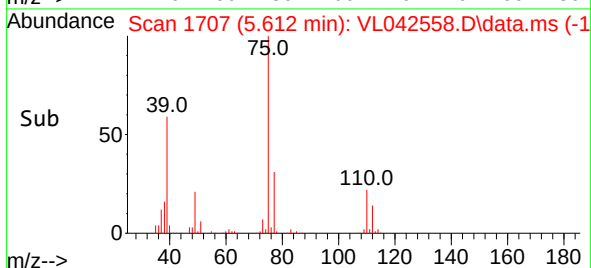
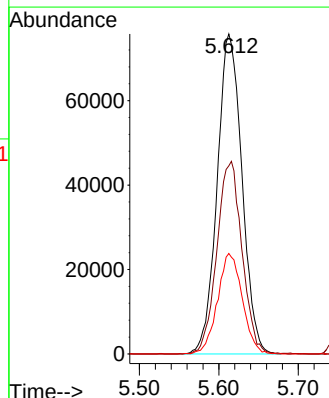
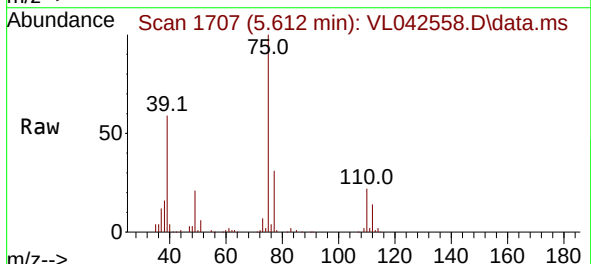
Tgt Ion: 75 Resp: 164177

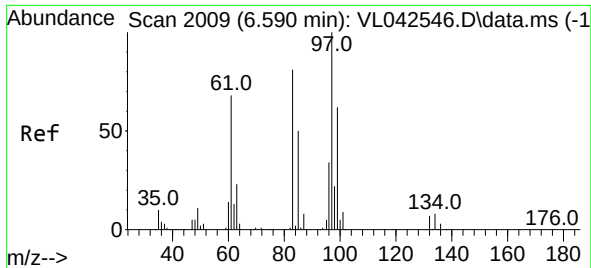
Ion Ratio Lower Upper

75 100

39 58.7 46.3 69.5

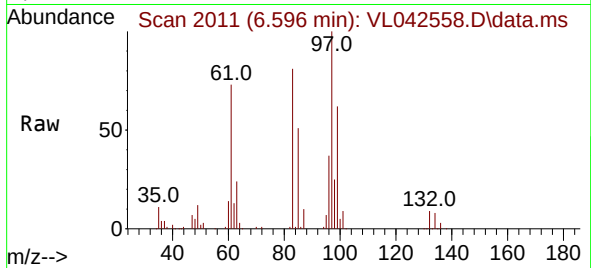
77 31.4 25.0 37.6





#47
1,1,2-Trichloroethane
Concen: 9.919 ppbv
RT: 6.596 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

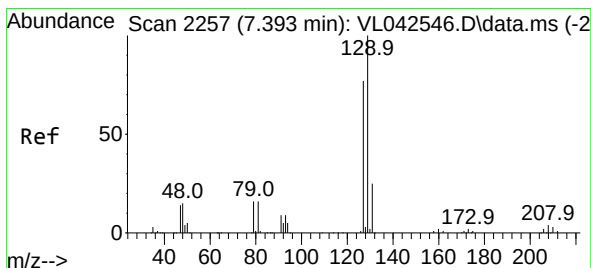
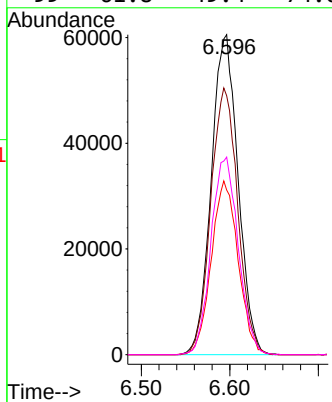
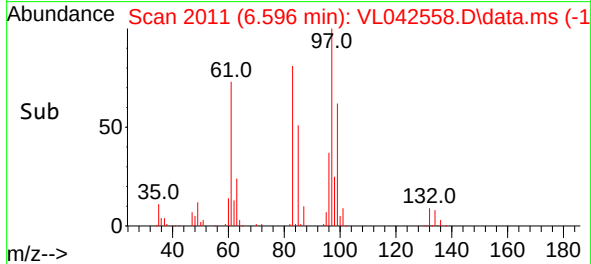
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



Tgt Ion: 97 Resp: 12752
Ion Ratio Lower Upper
97 100
83 80.9 65.0 97.4
85 51.4 39.9 59.9
99 61.8 49.4 74.0

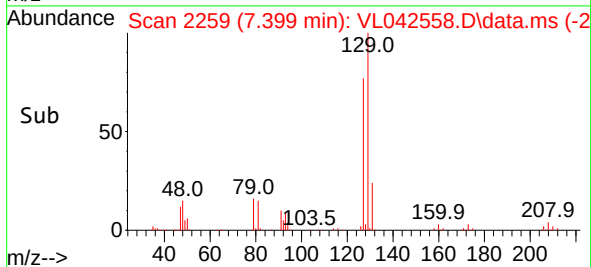
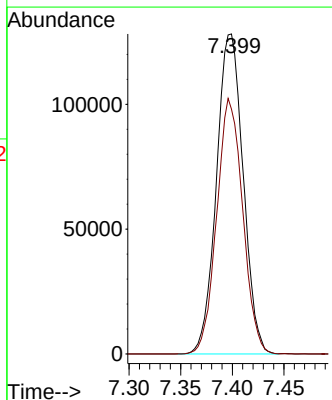
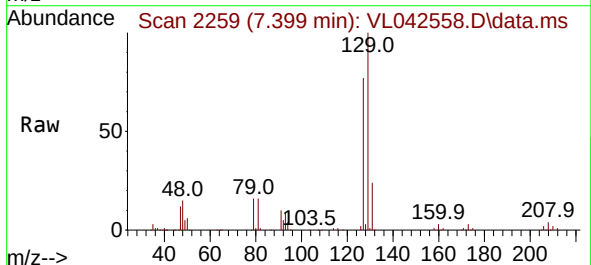
Manual Integrations
APPROVED

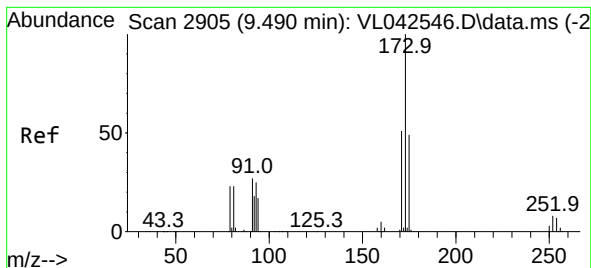
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#48
Dibromochloromethane
Concen: 10.378 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.006 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

Tgt Ion:129 Resp: 230923
Ion Ratio Lower Upper
129 100
127 77.7 39.0 117.0





#49

Bromoform

Concen: 10.684 ppbv

RT: 9.490 min Scan# 2905

Delta R.T. -0.000 min

Lab File: VL042558.D

Acq: 21 May 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

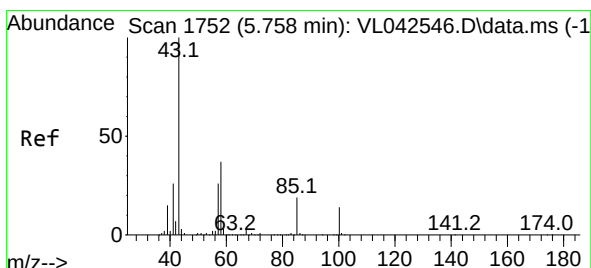
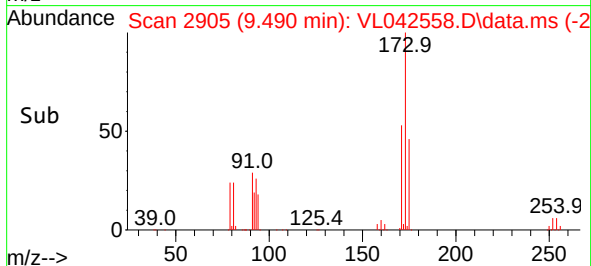
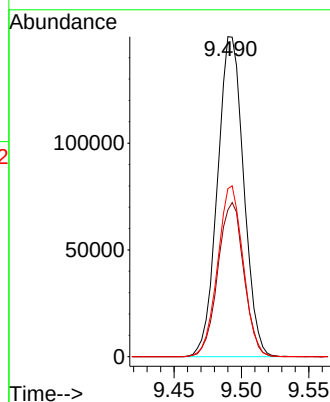
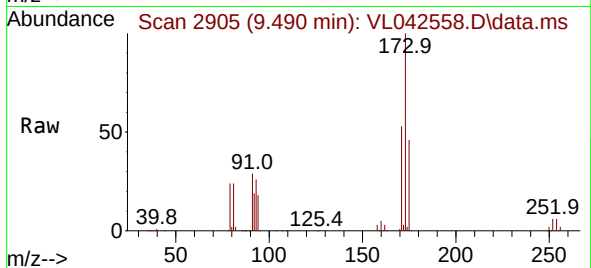
VL0521ABS01

Tgt Ion:173 Resp: 202892
 Ion Ratio Lower Upper
 173 100
 175 47.9 39.2 58.8
 171 52.0 41.9 62.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2025
 Supervised By :Mahesh Dadoda 05/22/2025



#50

4-Methyl-2-Pentanone

Concen: 10.856 ppbv

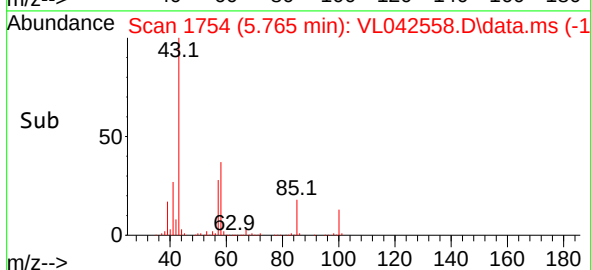
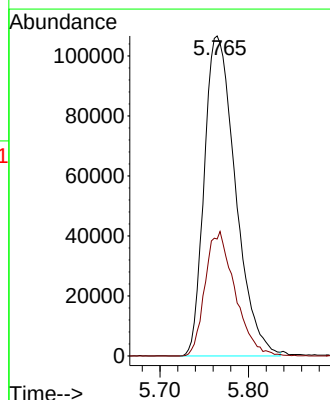
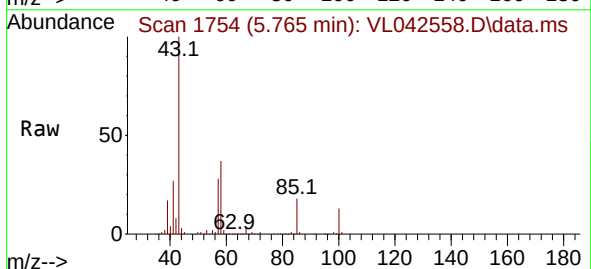
RT: 5.765 min Scan# 1754

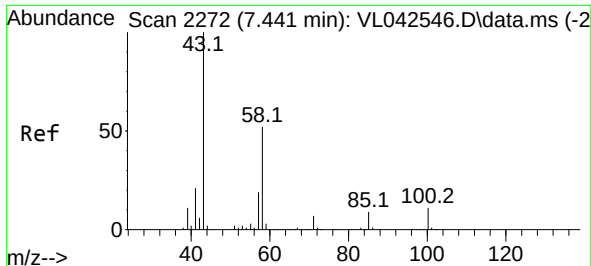
Delta R.T. 0.006 min

Lab File: VL042558.D

Acq: 21 May 2025 10:12

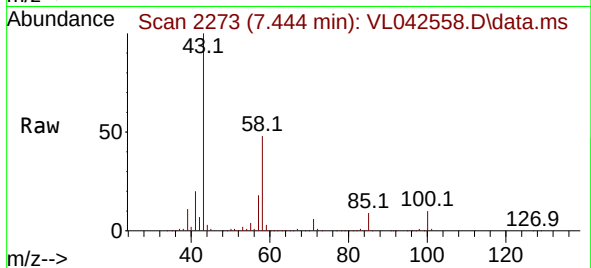
Tgt Ion: 43 Resp: 261272
 Ion Ratio Lower Upper
 43 100
 58 37.3 30.0 45.0





#51
2-Hexanone
Concen: 11.672 ppbv
RT: 7.444 min Scan# 207178
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

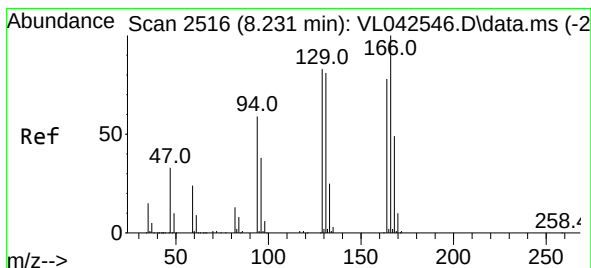
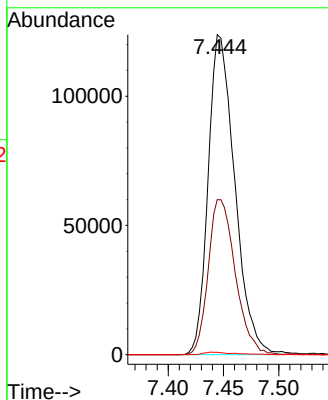
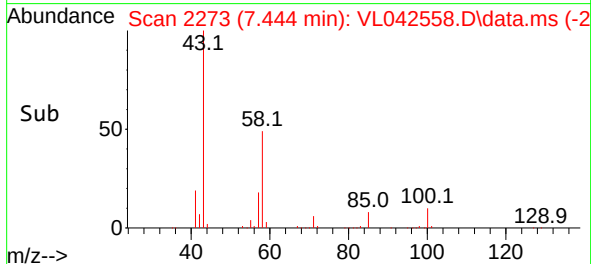
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



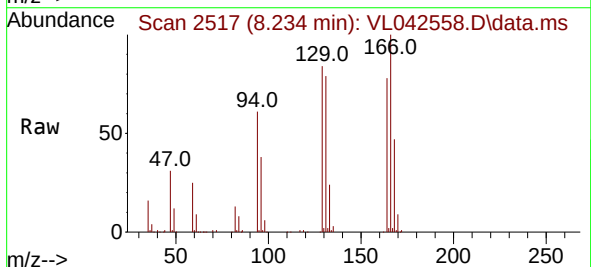
Tgt Ion: 43 Resp: 207178
Ion Ratio Lower Upper
43 100
58 49.4 41.4 62.2
98 0.9 0.4 0.6

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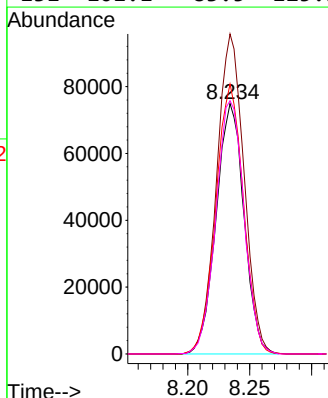
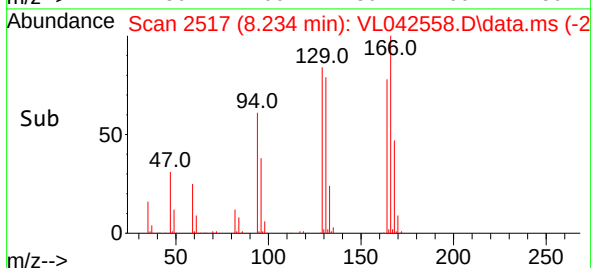
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

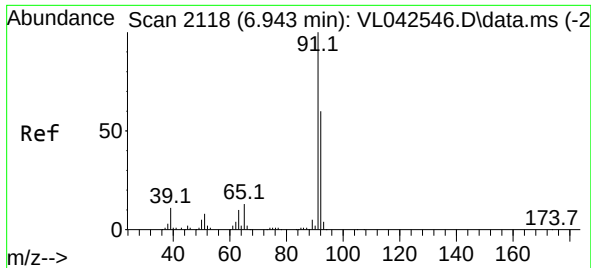


#52
Tetrachloroethene
Concen: 9.809 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12



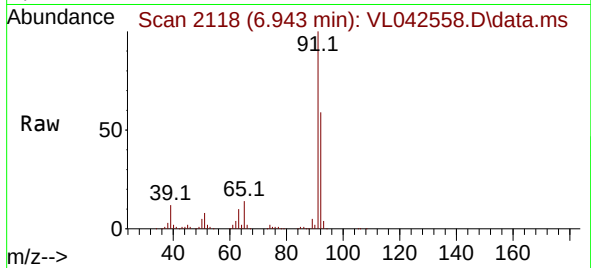
Tgt Ion:164 Resp: 116970
Ion Ratio Lower Upper
164 100
166 127.8 103.1 154.7
129 107.8 85.3 127.9
131 101.1 83.5 125.3





#53
Toluene
Concen: 10.679 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. -0.000 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

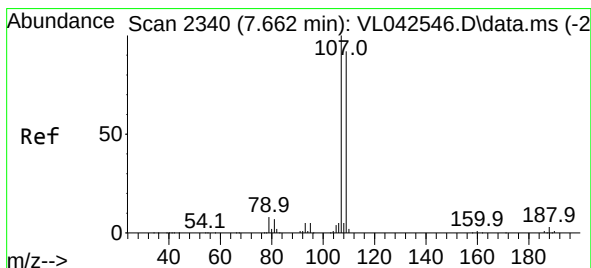
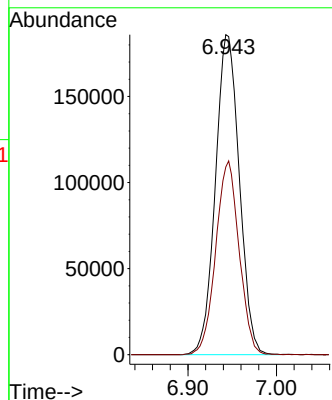
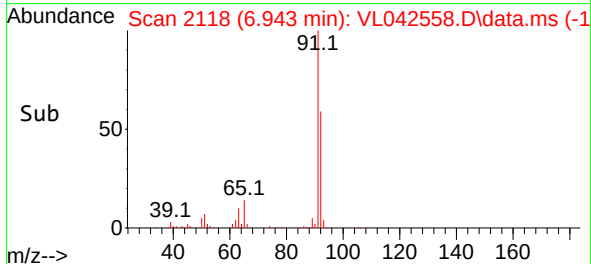
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



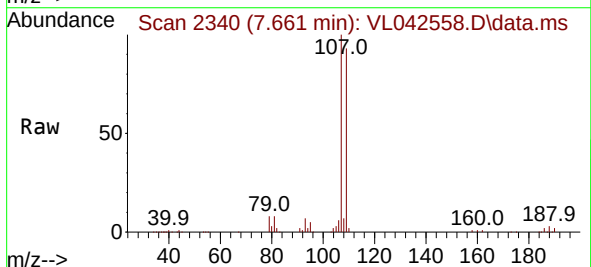
Tgt Ion: 91 Resp: 34903
Ion Ratio Lower Upper
91 100
92 59.2 47.8 71.8

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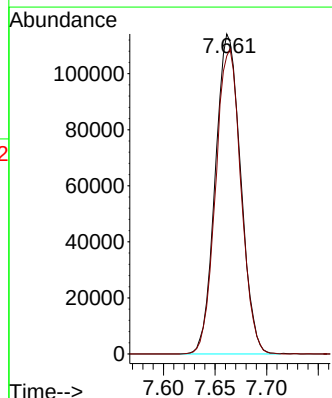
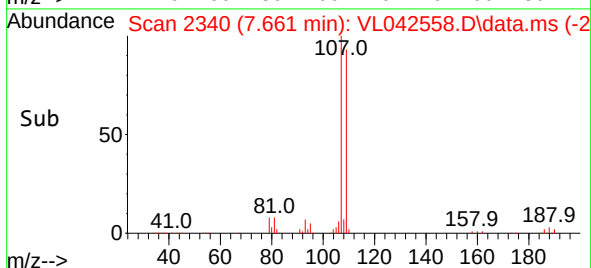
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

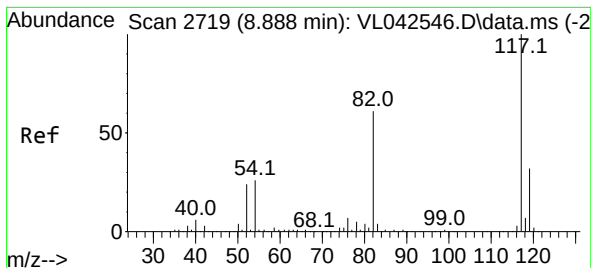


#54
1,2-Dibromoethane
Concen: 10.404 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. -0.000 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12



Tgt Ion:107 Resp: 194890
Ion Ratio Lower Upper
107 100
109 93.1 73.4 110.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.891 min Scan# 2719

Delta R.T. 0.003 min

Lab File: VL042558.D

Acq: 21 May 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

VL0521ABS01

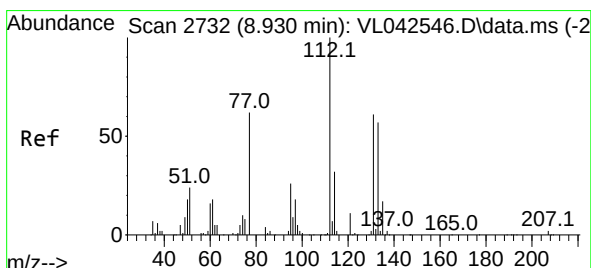
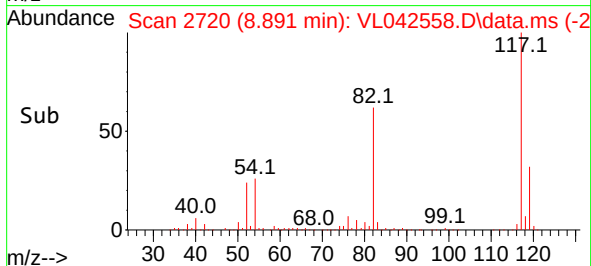
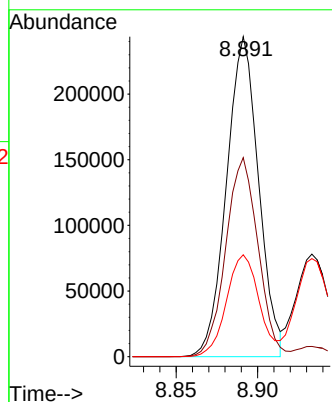
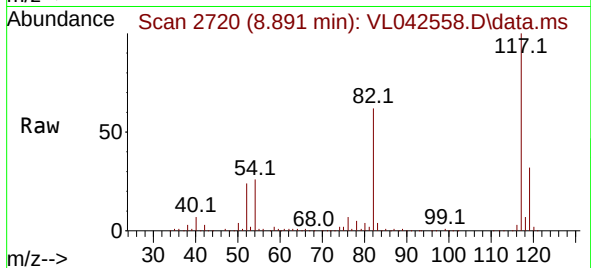
Tgt Ion:117 Resp: 333400

Ion	Ratio	Lower	Upper
117	100		
82	65.9	51.0	76.4
119	32.1	27.0	40.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 10.418 ppbv

RT: 8.933 min Scan# 2733

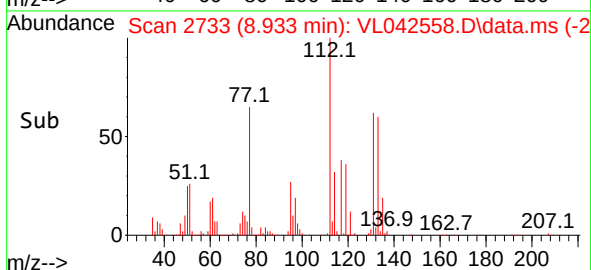
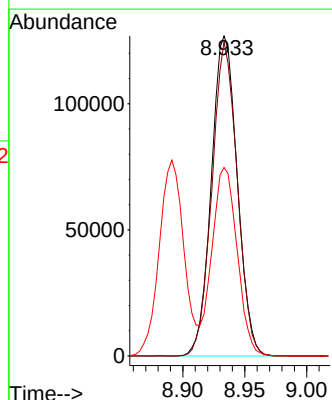
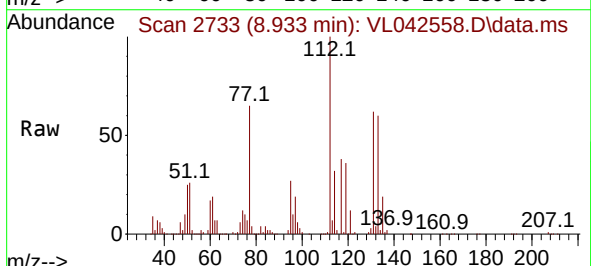
Delta R.T. 0.003 min

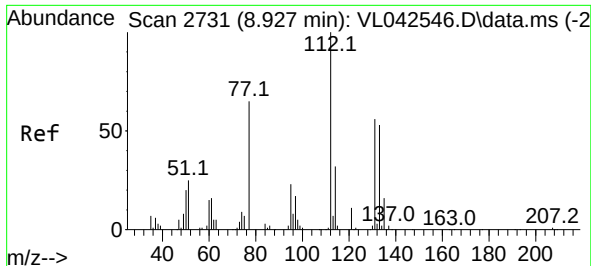
Lab File: VL042558.D

Acq: 21 May 2025 10:12

Tgt Ion:131 Resp: 185173

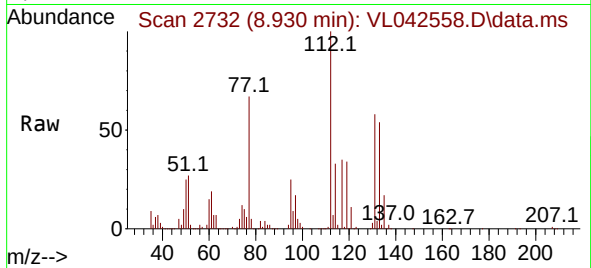
Ion	Ratio	Lower	Upper
131	100		
133	95.5	76.3	114.5
119	55.1	47.5	71.3





#57
Chlorobenzene
Concen: 10.040 ppbv
RT: 8.930 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

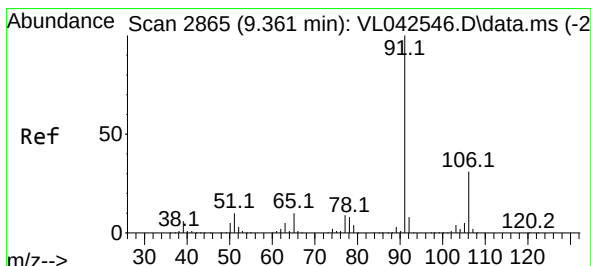
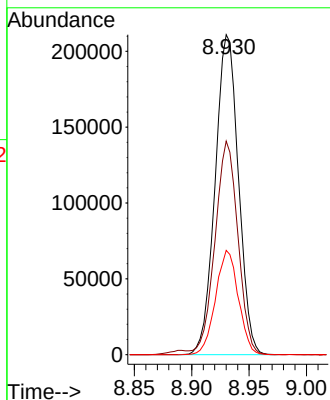
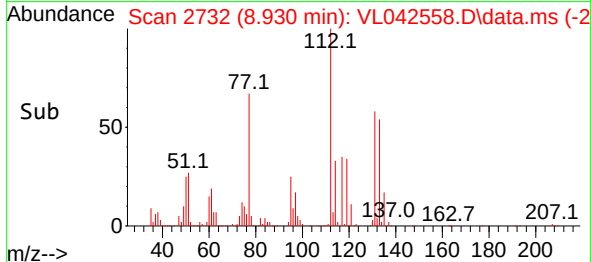
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



Tgt Ion: 112 Resp: 29815
Ion Ratio Lower Upper
112 100
77 66.7 53.2 79.8
114 32.6 28.4 34.8

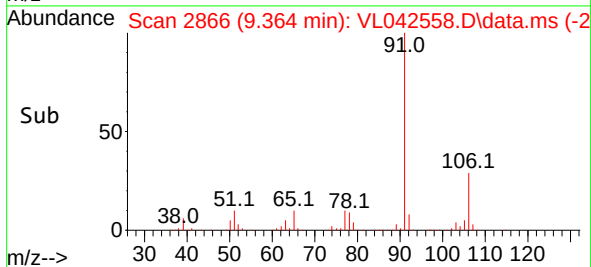
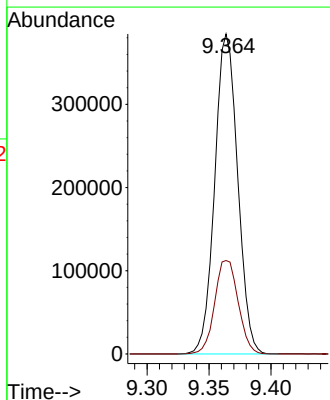
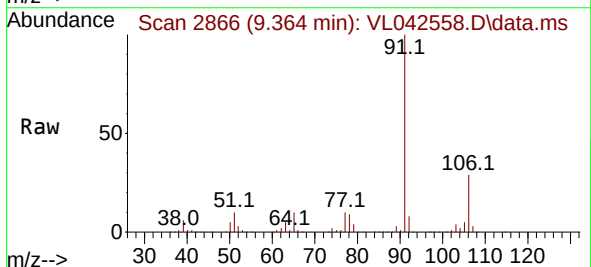
Manual Integrations
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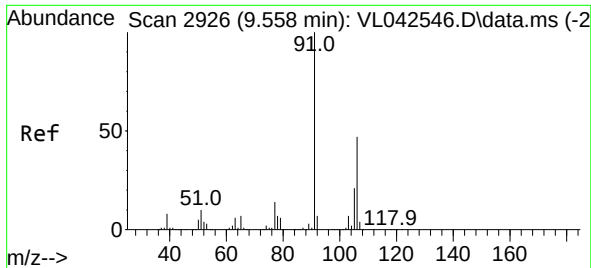
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#58
Ethyl Benzene
Concen: 11.364 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

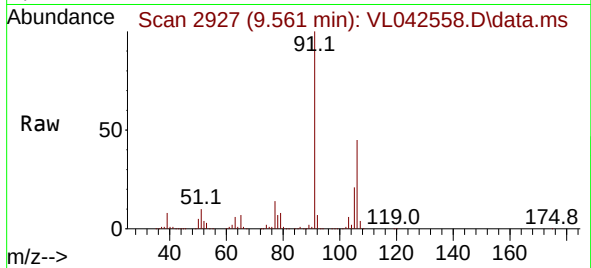
Tgt Ion: 91 Resp: 496019
Ion Ratio Lower Upper
91 100
106 29.2 24.6 37.0





#59
m/p-Xylene
Concen: 22.732 ppbv m
RT: 9.561 min Scan# 2927
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

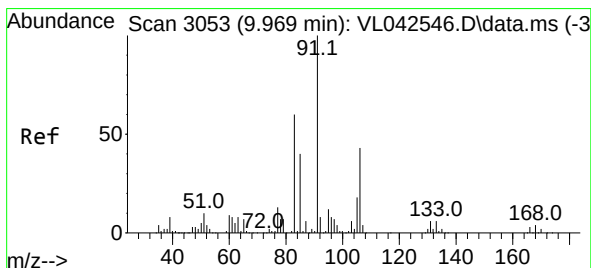
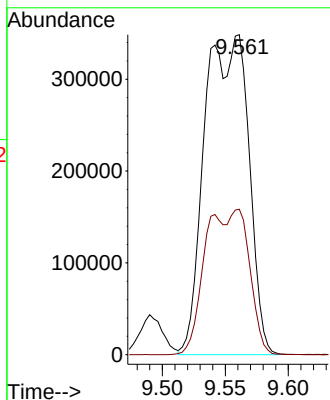
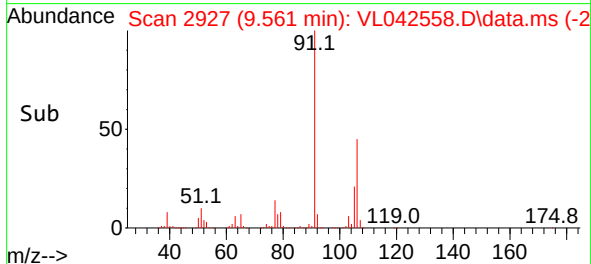
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



Tgt Ion: 91 Resp: 84719
Ion Ratio Lower Upper
91 100
106 45.7 37.1 55.7

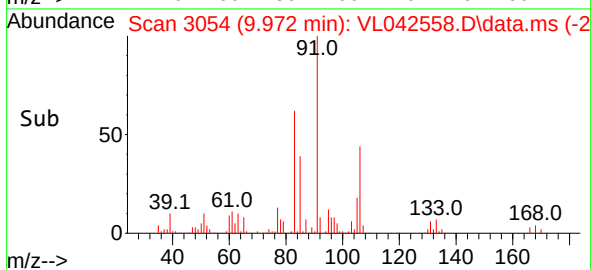
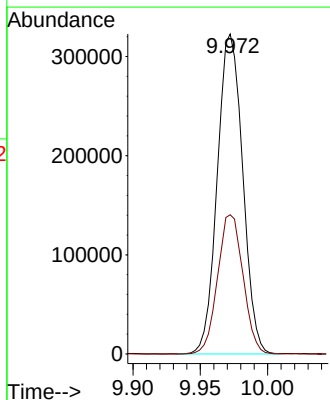
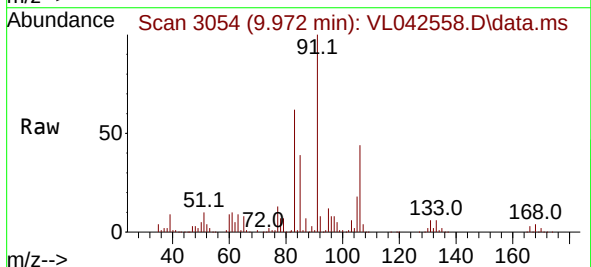
Manual Integrations
APPROVED

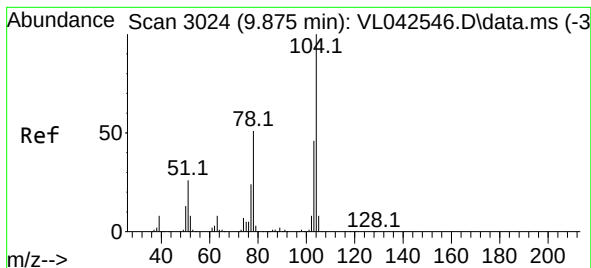
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#60
o-Xylene
Concen: 11.474 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

Tgt Ion: 91 Resp: 423569
Ion Ratio Lower Upper
91 100
106 43.6 21.6 64.8





#61

Styrene

Concen: 11.986 ppbv

RT: 9.878 min Scan# 3024

Delta R.T. 0.003 min

Lab File: VL042558.D

Acq: 21 May 2025 10:12

Instrument :

MSVOA_1

ClientSampleId :

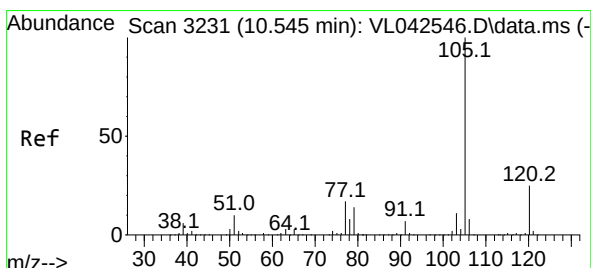
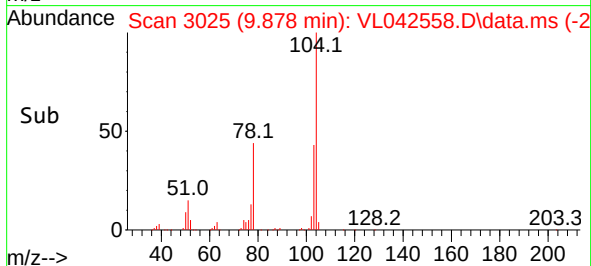
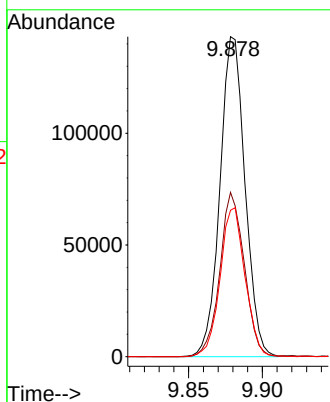
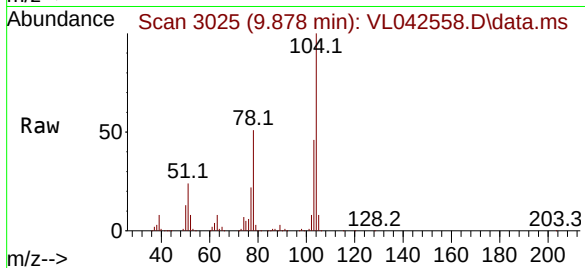
VL0521ABS01

Tgt Ion:104 Resp: 16958
 Ion Ratio Lower Upper
 104 100
 78 50.2 39.2 58.8
 103 46.4 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2025
 Supervised By :Mahesh Dadoda 05/22/2025



#62

Isopropylbenzene

Concen: 11.065 ppbv

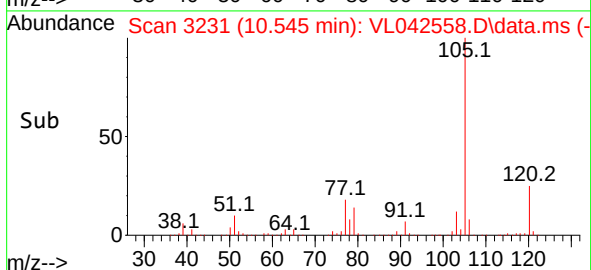
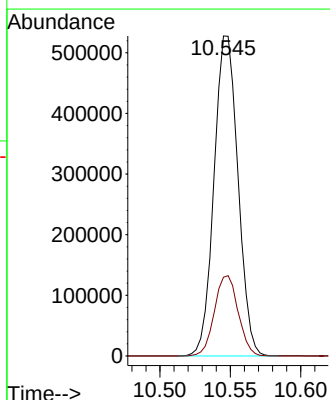
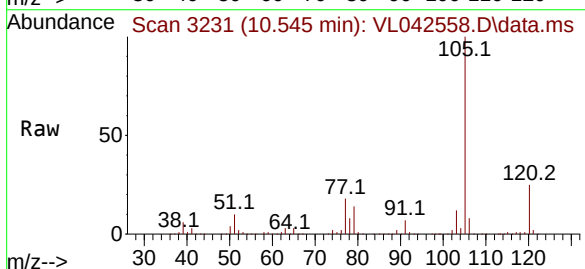
RT: 10.545 min Scan# 3231

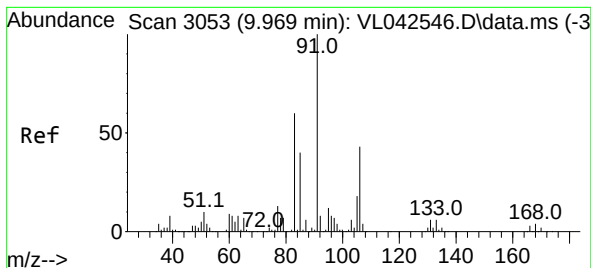
Delta R.T. -0.000 min

Lab File: VL042558.D

Acq: 21 May 2025 10:12

Tgt Ion:105 Resp: 624942
 Ion Ratio Lower Upper
 105 100
 120 24.9 20.0 30.0





#63

1,1,2,2-Tetrachloroethane

Concen: 10.393 ppbv

RT: 9.972 min Scan# 3053

Delta R.T. 0.003 min

Lab File: VL042558.D

Acq: 21 May 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

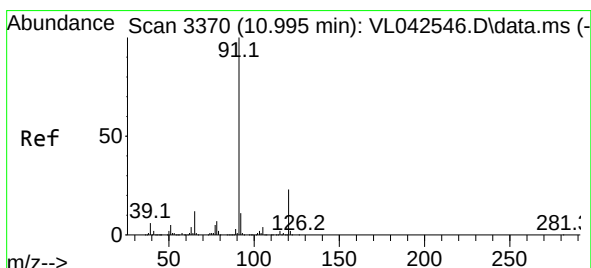
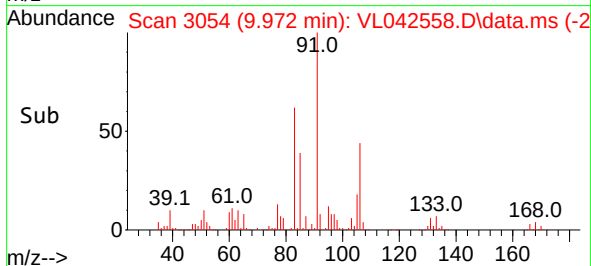
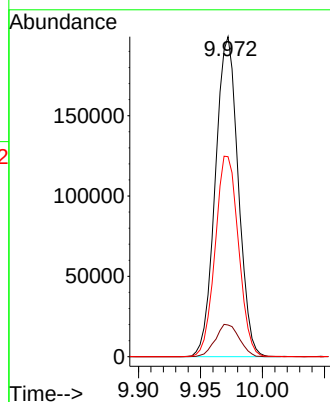
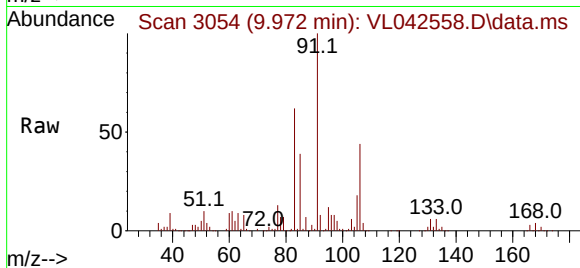
VL0521ABS01

Tgt Ion: 83 Resp: 256372
 Ion Ratio Lower Upper
 83 100
 131 10.5 5.1 15.3
 85 63.9 32.5 97.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2025
 Supervised By :Mahesh Dadoda 05/22/2025



#64

n-propylbenzene

Concen: 11.652 ppbv

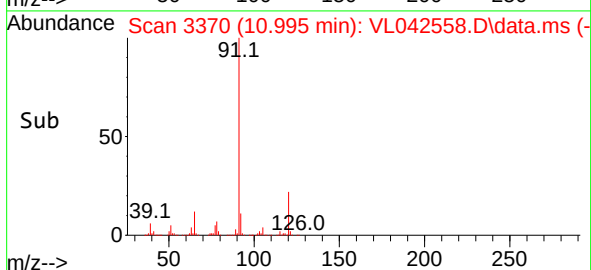
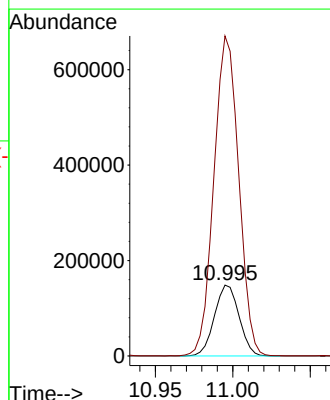
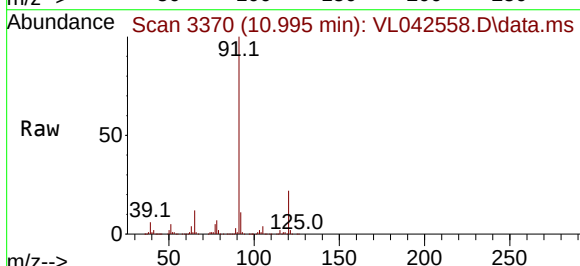
RT: 10.995 min Scan# 3370

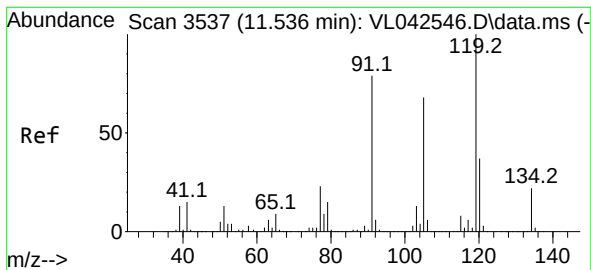
Delta R.T. -0.000 min

Lab File: VL042558.D

Acq: 21 May 2025 10:12

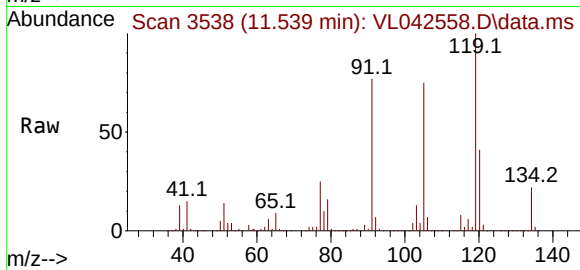
Tgt Ion:120 Resp: 163942
 Ion Ratio Lower Upper
 120 100
 91 456.6 367.0 550.4





#65
tert-Butylbenzene
Concen: 11.503 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

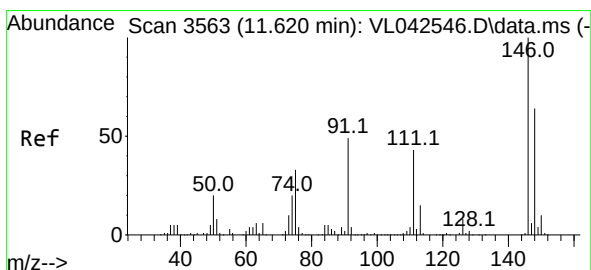
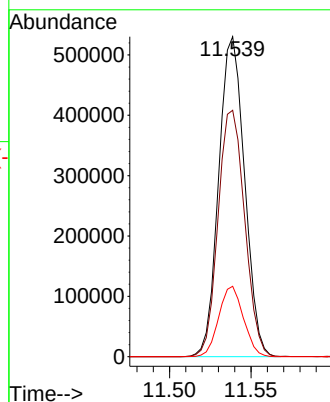
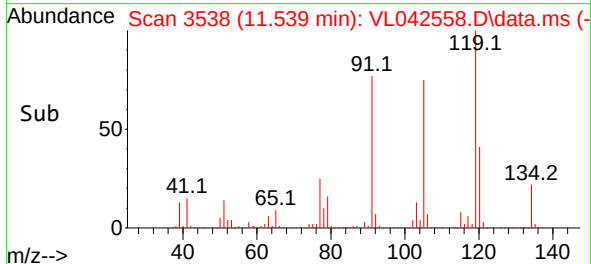
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



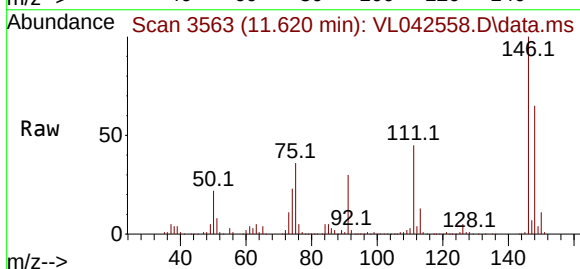
Tgt Ion:119 Resp: 584410
Ion Ratio Lower Upper
119 100
91 79.2 62.7 94.1
134 21.0 16.8 25.2

Manual Integrations
APPROVED

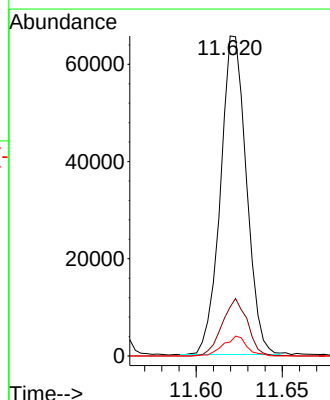
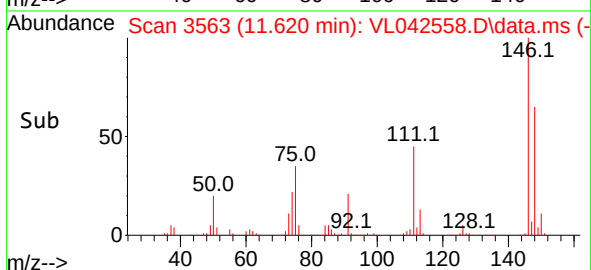
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

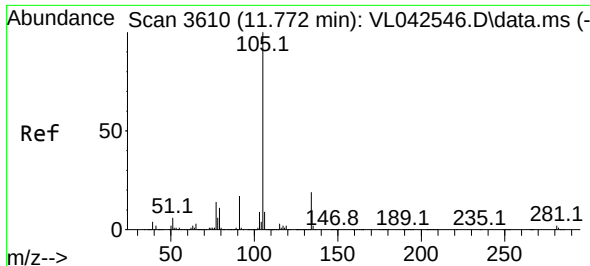


#66
Benzyl Chloride
Concen: 10.796 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. -0.000 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12



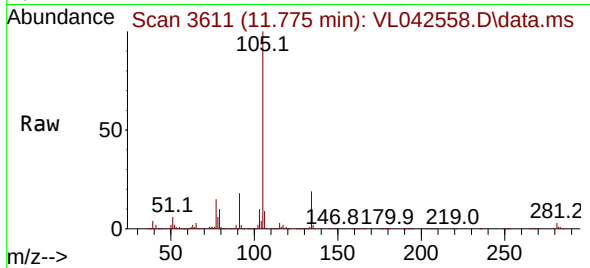
Tgt Ion: 91 Resp: 68619
Ion Ratio Lower Upper
91 100
126 17.6 14.2 21.2
128 5.7 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 11.130 ppbv
 RT: 11.775 min Scan# 3611
 Delta R.T. 0.003 min
 Lab File: VL042558.D
 Acq: 21 May 2025 10:12

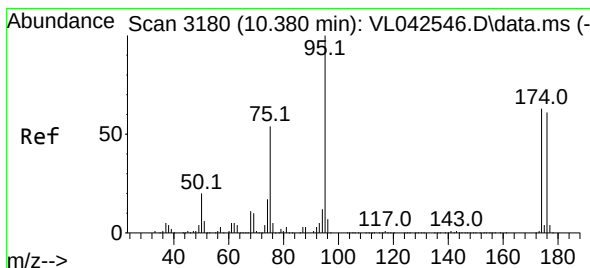
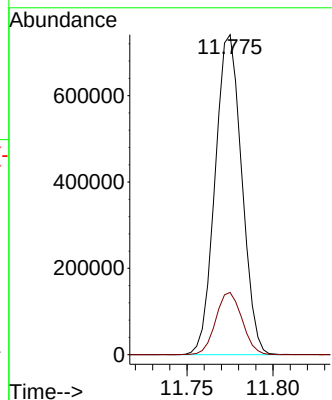
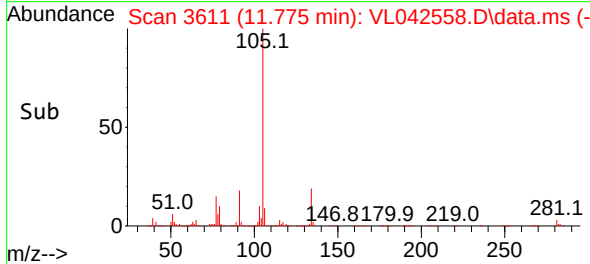
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0521ABS01



Tgt Ion:105 Resp: 79817
 Ion Ratio Lower Upper
 105 100
 134 19.2 15.4 23.2

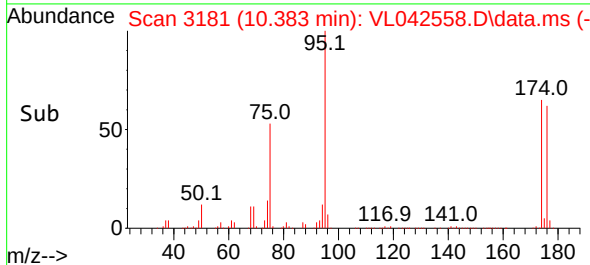
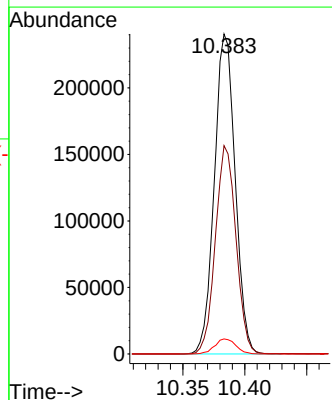
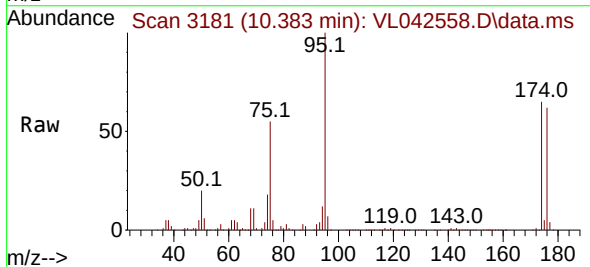
Manual Integrations
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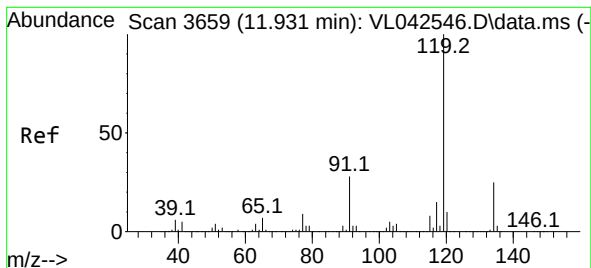
Reviewed By :Semsettin Yesilyurt 05/22/2025
 Supervised By :Mahesh Dadoda 05/22/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.559 ppbv
 RT: 10.383 min Scan# 3181
 Delta R.T. 0.003 min
 Lab File: VL042558.D
 Acq: 21 May 2025 10:12

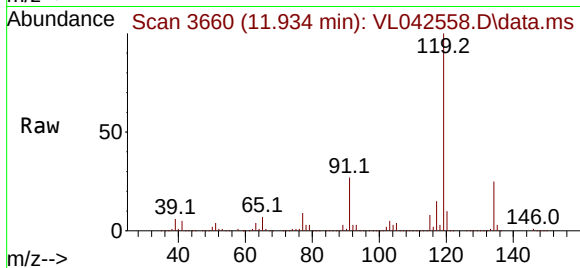
Tgt Ion: 95 Resp: 281736
 Ion Ratio Lower Upper
 95 100
 174 64.5 52.0 78.0
 175 4.8 3.8 5.6





#69
p-Isopropyltoluene
Concen: 11.656 ppbv
RT: 11.934 min Scan# 3660
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

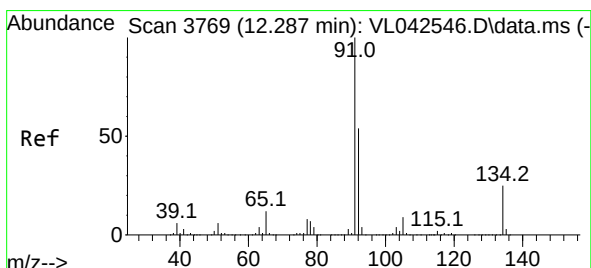
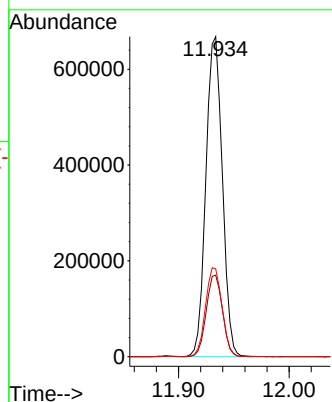
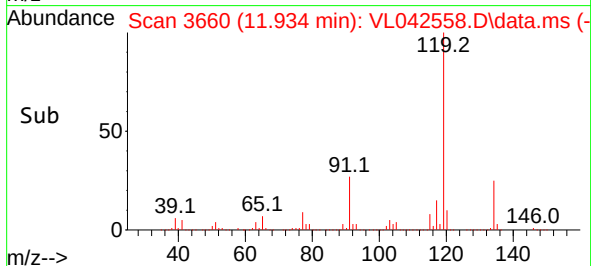
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



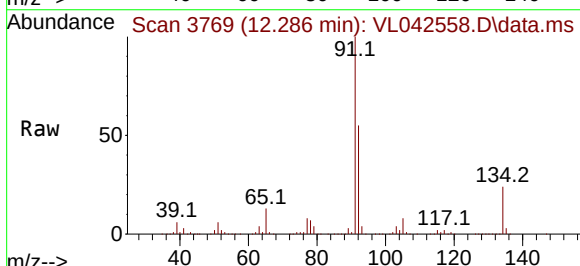
Tgt Ion:119 Resp: 690311
Ion Ratio Lower Upper
119 100
134 25.3 20.1 30.1
91 28.0 22.3 33.5

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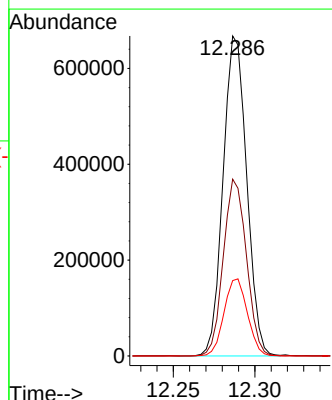
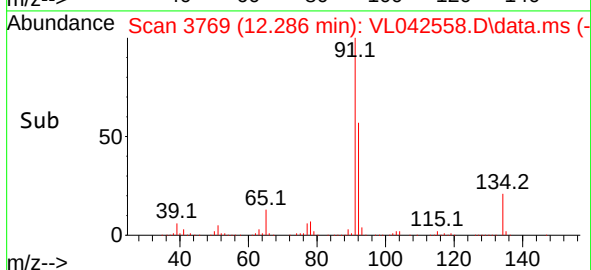
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

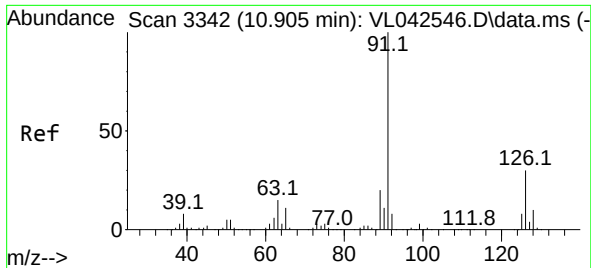


#70
n-Butylbenzene
Concen: 12.008 ppbv
RT: 12.286 min Scan# 3769
Delta R.T. -0.000 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12



Tgt Ion: 91 Resp: 671916
Ion Ratio Lower Upper
91 100
92 54.3 43.8 65.6
134 23.9 19.7 29.5





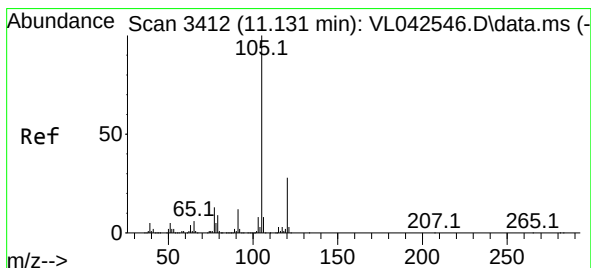
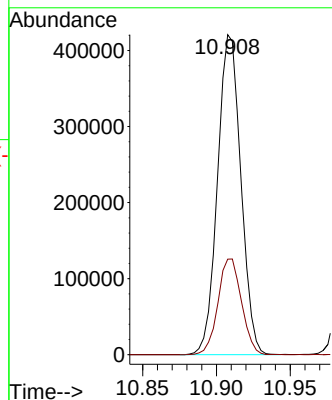
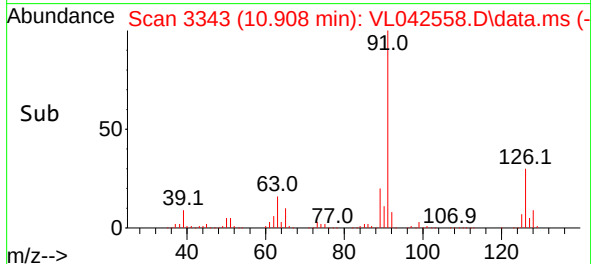
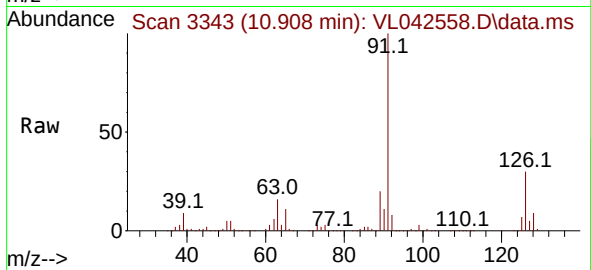
#71
2-Chlorotoluene
Concen: 11.393 ppbv
RT: 10.908 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01

Tgt Ion: 91 Resp: 463109
Ion Ratio Lower Upper
91 100
126 30.2 12.4 49.4

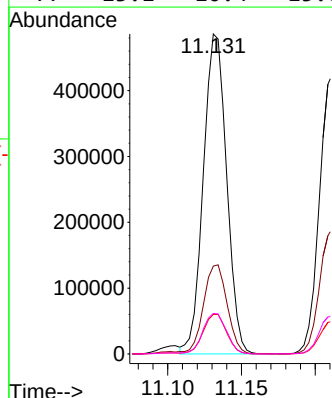
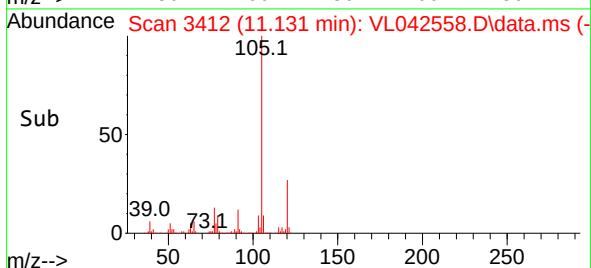
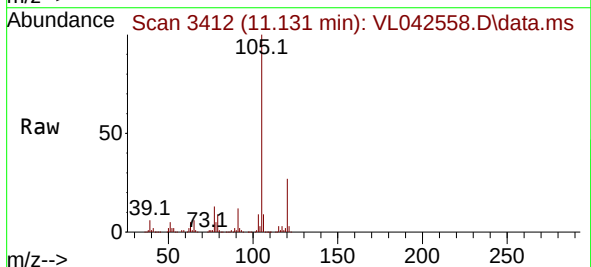
Manual Integrations
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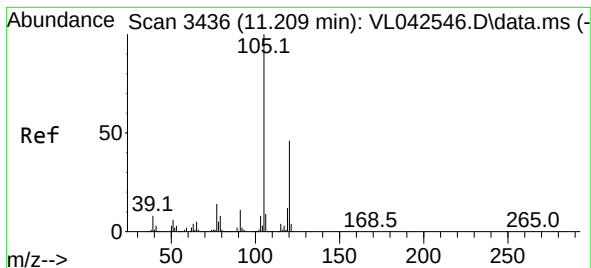
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#72
4-Ethyltoluene
Concen: 11.704 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. -0.000 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

Tgt Ion:105 Resp: 533569
Ion Ratio Lower Upper
105 100
120 28.9 23.4 35.0
91 12.9 10.2 15.4
77 13.1 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 11.527 ppbv

RT: 11.212 min Scan# 3436

Delta R.T. 0.003 min

Lab File: VL042558.D

Acq: 21 May 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

VL0521ABS01

Tgt Ion:105 Resp: 454600

Ion Ratio Lower Upper

105 100

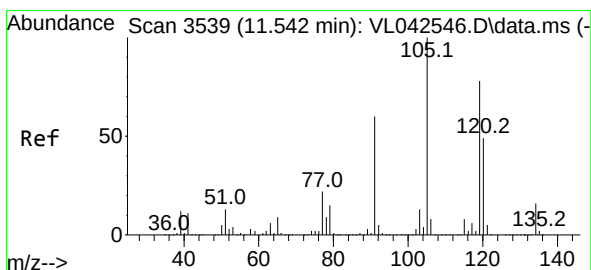
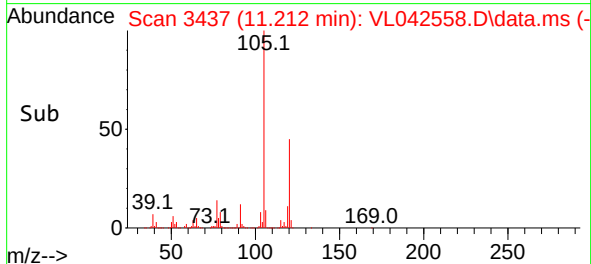
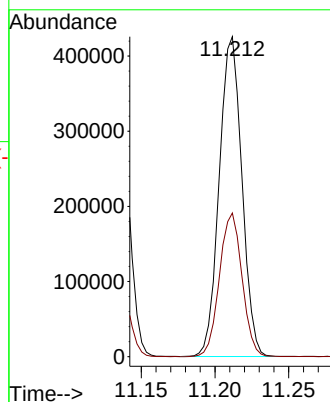
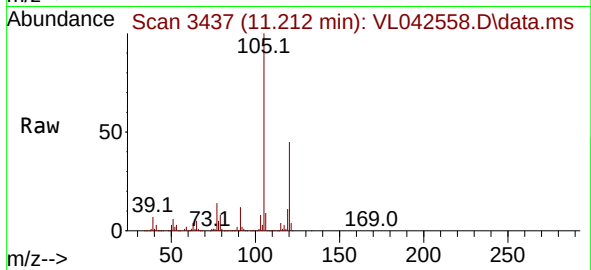
120 44.9 36.5 54.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#74

1,2,4-Trimethylbenzene

Concen: 10.849 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. -0.000 min

Lab File: VL042558.D

Acq: 21 May 2025 10:12

Tgt Ion:105 Resp: 515907

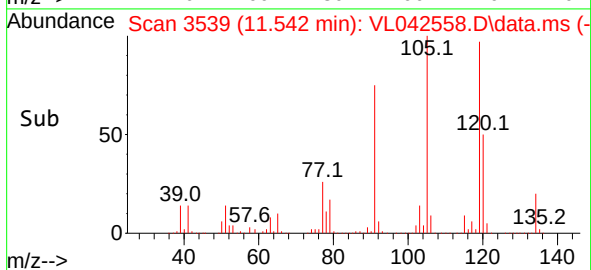
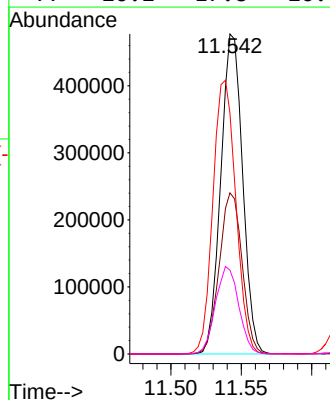
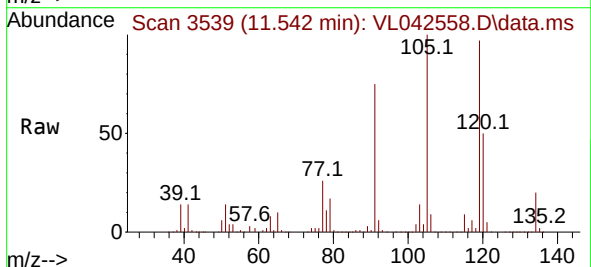
Ion Ratio Lower Upper

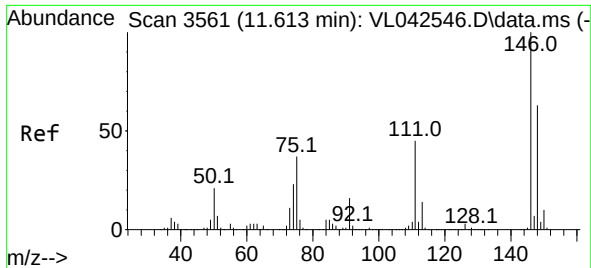
105 100

120 50.4 39.4 59.0

91 75.2 47.8 71.8#

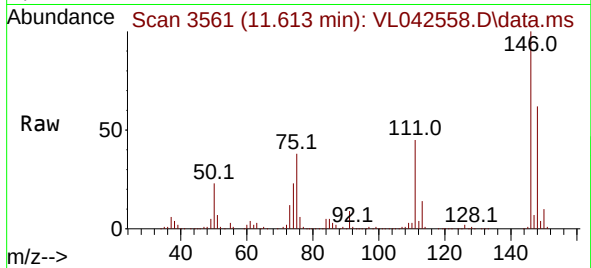
77 26.2 17.8 26.6





#75
1,3-Dichlorobenzene
Concen: 10.595 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.000 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

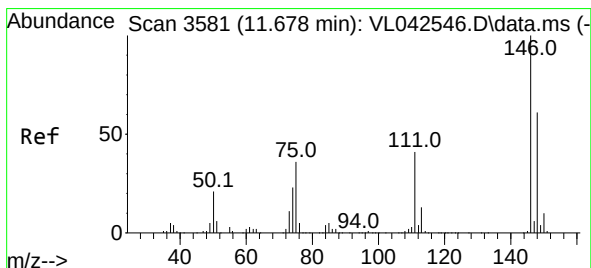
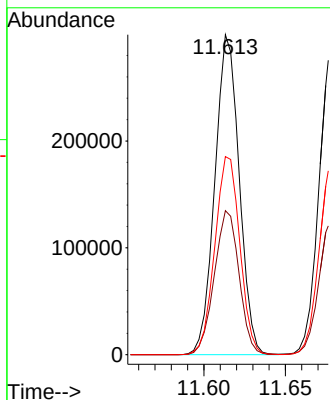
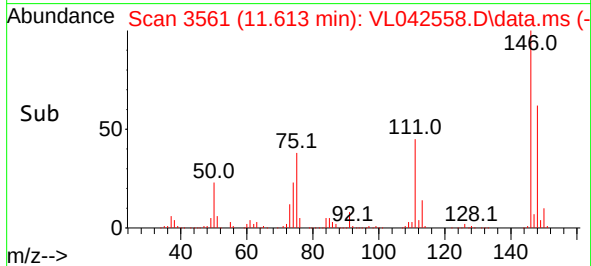
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



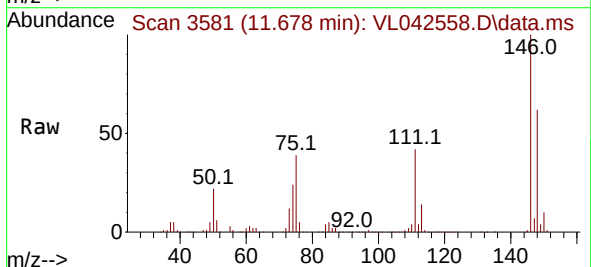
Tgt Ion:146 Resp: 310950
Ion Ratio Lower Upper
146 100
111 45.7 22.8 68.4
148 63.5 31.6 94.8

Manual Integrations
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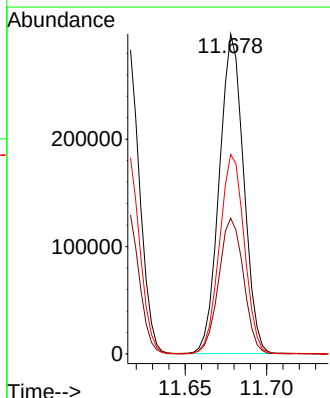
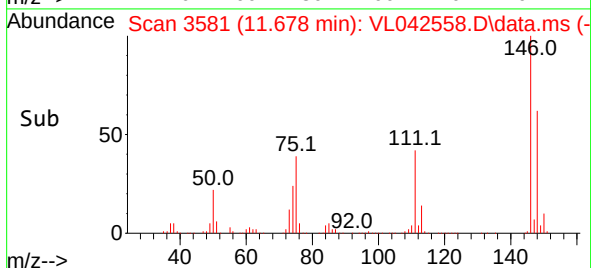
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

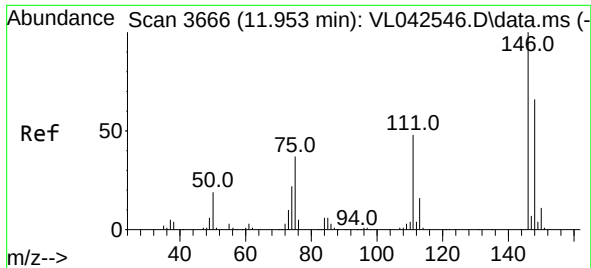


#76
1,4-Dichlorobenzene
Concen: 10.840 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. -0.000 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12



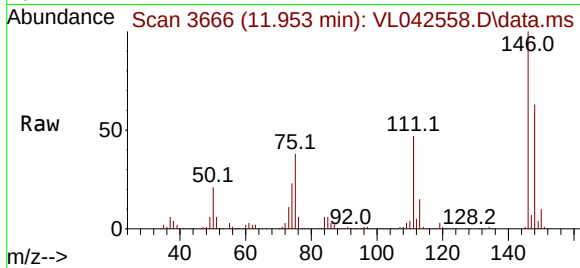
Tgt Ion:146 Resp: 308975
Ion Ratio Lower Upper
146 100
111 43.5 21.8 65.3
148 63.9 31.4 94.3





#77
1,2-Dichlorobenzene
Concen: 10.457 ppbv
RT: 11.953 min Scan# 30240
Delta R.T. -0.000 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12

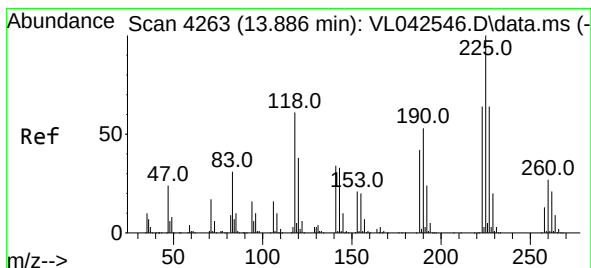
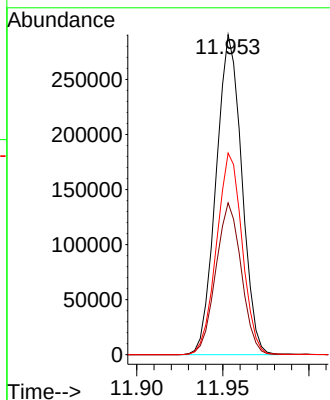
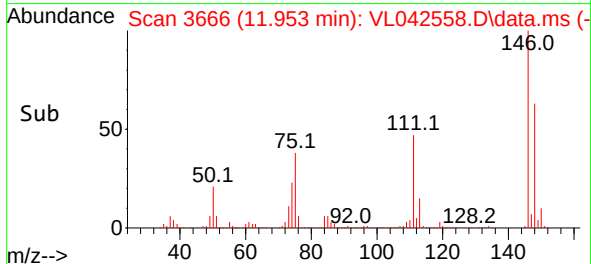
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



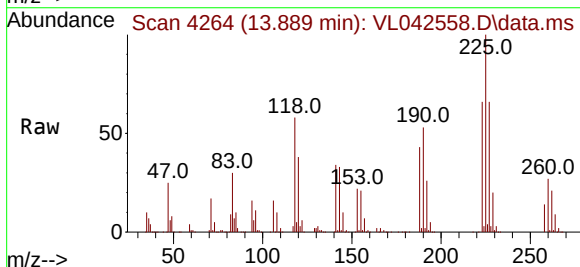
Tgt Ion:146 Resp: 30240
Ion Ratio Lower Upper
146 100
111 47.2 23.7 71.1
148 62.9 32.3 96.9

Manual Integrations
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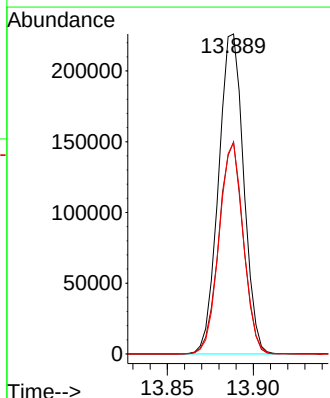
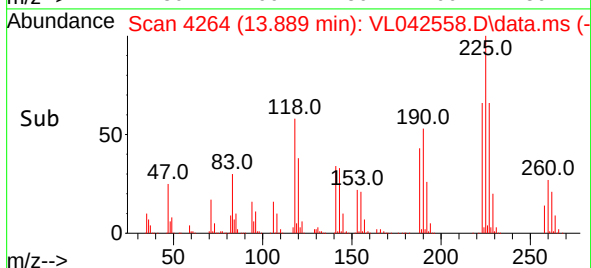
Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

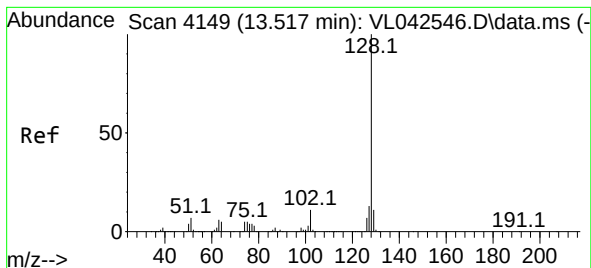


#78
Hexachloro-1,3-Butadiene
Concen: 9.630 ppbv
RT: 13.889 min Scan# 4264
Delta R.T. 0.003 min
Lab File: VL042558.D
Acq: 21 May 2025 10:12



Tgt Ion:225 Resp: 230027
Ion Ratio Lower Upper
225 100
223 63.9 51.0 76.6
227 63.7 50.2 75.4





#79

Naphthalene

Concen: 13.044 ppbv

RT: 13.520 min Scan# 4149

Delta R.T. 0.003 min

Lab File: VL042558.D

Acq: 21 May 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

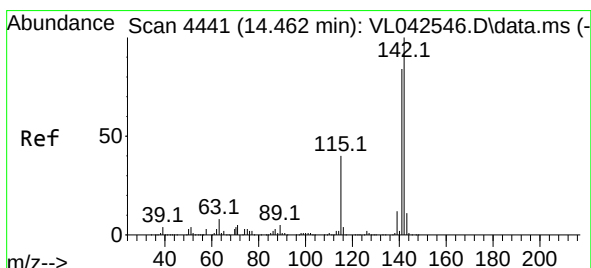
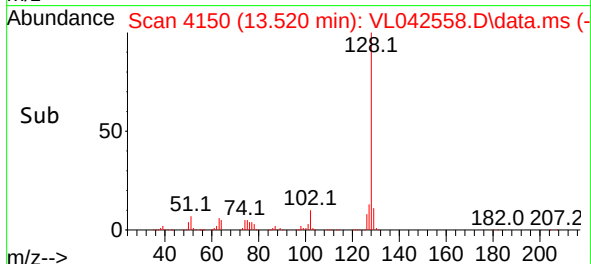
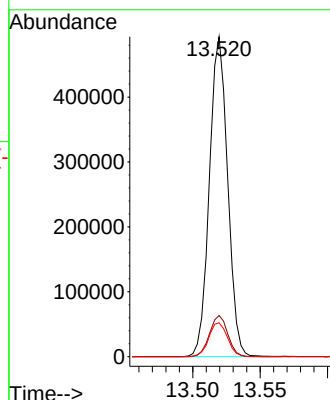
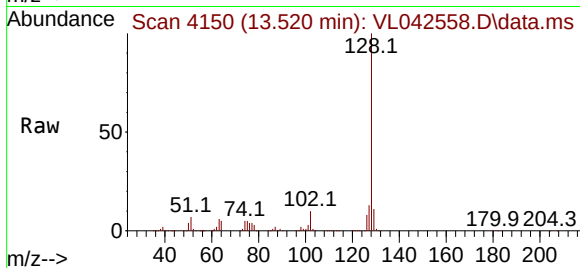
VL0521ABS01

Tgt Ion:128	Resp: 464800
Ion Ratio	Lower Upper
128 100	
127 12.9	10.5 15.7
129 10.6	9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#80

Naphthalene,2-methyl-

Concen: 13.511 ppbv

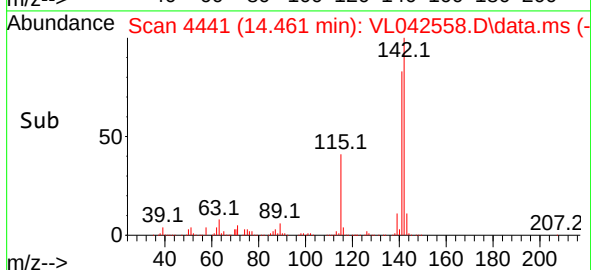
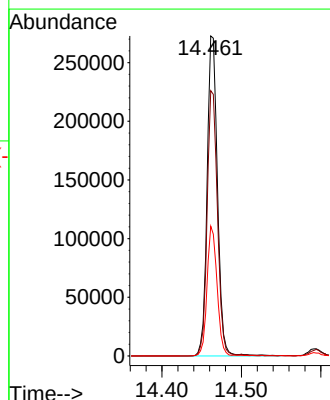
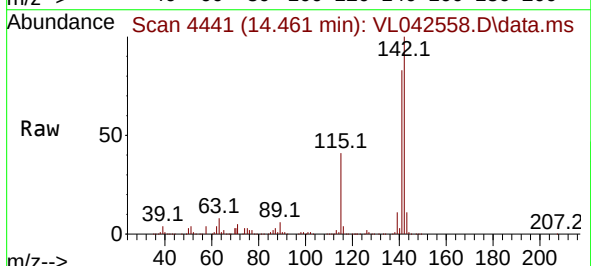
RT: 14.461 min Scan# 4441

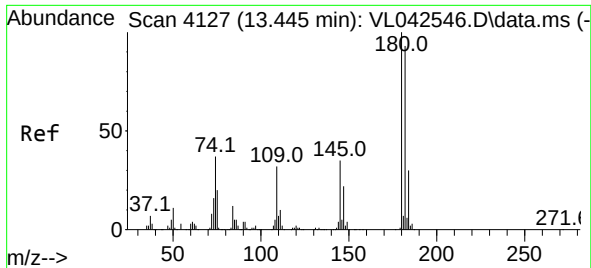
Delta R.T. -0.000 min

Lab File: VL042558.D

Acq: 21 May 2025 10:12

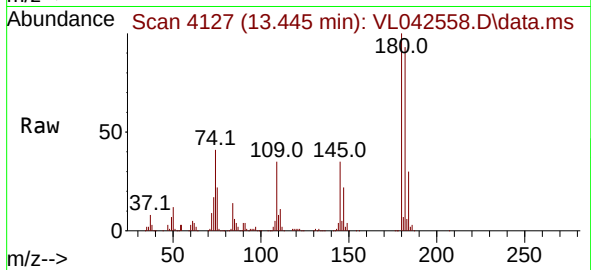
Tgt Ion:142	Resp: 248065
Ion Ratio	Lower Upper
142 100	
141 82.9	67.4 101.0
115 39.5	31.5 47.3





#81
 1,2,4-Trichlorobenzene
 Concen: 11.700 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042558.D
 Acq: 21 May 2025 10:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0521ABS01



Tgt Ion:180 Resp: 250439
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.6 113.4
 184 30.8 23.7 35.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2025
 Supervised By :Mahesh Dadoda 05/22/2025

