

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052025\
 Data File : VL042549.D
 Acq On : 20 May 2025 10:50
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/21/2025
 Supervised By : Mahesh Dadoda 05/21/2025

Quant Time: May 20 23:26:42 2025

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

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

QLast Update : Tue May 20 23:22:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	117316	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	398840	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	347382	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 278604 10.021 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	11933	0.544	ppbv	98
3) Chlorodifluoromethane	1.476	51	9650	0.534	ppbv	98
4) Chloromethane	1.534	50	3786	0.536	ppbv	99
5) Vinyl Chloride	1.583	62	4119	0.529	ppbv #	88
6) Bromomethane	1.670	94	2298	0.513	ppbv	91
7) Chloroethane	1.706	64	1686	0.538	ppbv #	72
8) Dichlorotetrafluoroethane	1.557	85	9669	0.520	ppbv	99
9) Propene	1.486	41	3051	0.486	ppbv	86
10) Heptane	4.991	43	7166	0.433	ppbv	98
11) Trichlorofluoromethane	1.881	101	12411	0.542	ppbv	93
12) 1,1,2-Trichlorotrifluo...	2.143	101	9707	0.526	ppbv	96
13) Ethanol	1.725	45	576	0.633	ppbv #	37
14) Bromoethene	1.784	108	3556	0.510	ppbv #	94
15) Acetone	1.839	43	9858	0.603	ppbv	93
16) 1,3-Butadiene	1.612	39	3704	0.558	ppbv	89
17) tert-Butyl alcohol	2.046	59	10041	0.531	ppbv #	94
18) 1,1-Dichloroethene	2.039	96	4428m	0.531	ppbv	
19) Isopropyl Alcohol	1.890	45	5148	0.554	ppbv #	37
20) Methylene Chloride	2.065	84	5037	0.636	ppbv	93
21) Allyl Chloride	2.098	41	5408	0.516	ppbv	97
22) trans-1,2-Dichloroethene	2.344	96	4858	0.524	ppbv	85
23) Vinyl Acetate	2.467	43	8843	0.466	ppbv #	90
24) 1,1-Dichloroethane	2.412	63	8281	0.522	ppbv	96
25) Ethyl Acetate	2.842	43	15167	0.480	ppbv	98
26) Hexane	2.829	57	6591	0.461	ppbv	92
27) Carbon Disulfide	2.156	76	9926	0.480	ppbv #	39
28) Methyl tert-Butyl Ether	2.447	73	4938	0.513	ppbv	96
29) Chloroform	2.852	83	14227	0.527	ppbv	99
30) Cyclohexane	3.865	84	5242	0.424	ppbv	93
31) cis-1,2-Dichloroethene	2.726	61	7923	0.504	ppbv	96
32) 1,1,1-Trichloroethane	3.373	97	13575	0.492	ppbv	98
34) 2-Butanone	2.564	43	10625	0.502	ppbv	97
35) Carbon Tetrachloride	3.771	117	14866	0.489	ppbv	97
36) Benzene	3.664	78	15613	0.484	ppbv	98
37) 1,2-Dichloroethane	3.224	62	10538	0.534	ppbv	100
38) Trichloroethene	4.557	130	7058	0.479	ppbv	98
39) 1,2-Dichloropropane	4.324	63	5653	0.499	ppbv	89
40) 1,4-Dioxane	4.616	88	2475m	0.486	ppbv	
41) Tetrahydrofuran	3.065	42	4400	0.426	ppbv	95
42) Bromodichloromethane	4.499	83	13457	0.484	ppbv #	97
43) Methyl Methacrylate	4.897	69	4553m	0.417	ppbv	
44) 2,2,4-Trimethylpentane	4.651	57	22539	0.457	ppbv	97
45) t-1,3-Dichloropropene	6.428	75	5959m	0.427	ppbv	

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025

Quant Time: May 20 23:26:42 2025

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

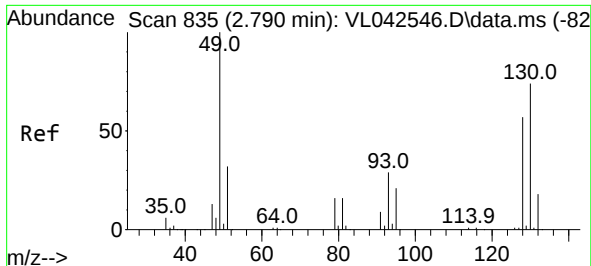
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue May 20 23:22:25 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	7327m	0.433	ppbv	
47) 1,1,2-Trichloroethane	6.593	97	6750m	0.497	ppbv	
48) Dibromochloromethane	7.402	129	11385	0.485	ppbv	98
49) Bromoform	9.490	173	9012	0.450	ppbv	99
50) 4-Methyl-2-Pentanone	5.778	43	10889m	0.430	ppbv	
51) 2-Hexanone	7.457	43	7122m	0.382	ppbv	
52) Tetrachloroethene	8.231	164	6006	0.477	ppbv	93
53) Toluene	6.940	91	14836m	0.430	ppbv	
54) 1,2-Dibromoethane	7.658	107	9474	0.480	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.933	131	9373	0.506	ppbv #	1
57) Chlorobenzene	8.930	112	15816	0.511	ppbv #	95
58) Ethyl Benzene	9.361	91	18066	0.397	ppbv	99
59) m/p-Xylene	9.555	91	30506m	0.786	ppbv	
60) o-Xylene	9.969	91	14836m	0.386	ppbv	
61) Styrene	9.879	104	5227	0.355	ppbv	96
62) Isopropylbenzene	10.545	105	24889	0.423	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.969	83	12697	0.497	ppbv	99
64) n-propylbenzene	10.992	120	5620	0.383	ppbv	92
65) tert-Butylbenzene	11.536	119	20436	0.386	ppbv	98
66) Benzyl Chloride	11.623	91	2838	0.429	ppbv #	97
67) sec-Butylbenzene	11.772	105	31370	0.420	ppbv	99
69) p-Isopropyltoluene	11.934	119	22462	0.364	ppbv	97
70) n-Butylbenzene	12.287	91	19614	0.336	ppbv	98
71) 2-Chlorotoluene	10.908	91	16834	0.397	ppbv	99
72) 4-Ethyltoluene	11.131	105	17908	0.377	ppbv	97
73) 1,3,5-Trimethylbenzene	11.209	105	16084	0.391	ppbv	97
74) 1,2,4-Trimethylbenzene	11.542	105	20184	0.407	ppbv	95
75) 1,3-Dichlorobenzene	11.610	146	14117	0.462	ppbv	98
76) 1,4-Dichlorobenzene	11.678	146	13548	0.456	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	14801	0.491	ppbv	98
78) Hexachloro-1,3-Butadiene	13.885	225	12950	0.520	ppbv	96
79) Naphthalene	13.516	128	11230	0.303	ppbv	100
80) Naphthalene,2-methyl-	14.468	142	3696	0.193	ppbv #	90
81) 1,2,4-Trichlorobenzene	13.445	180	7188	0.322	ppbv	96

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



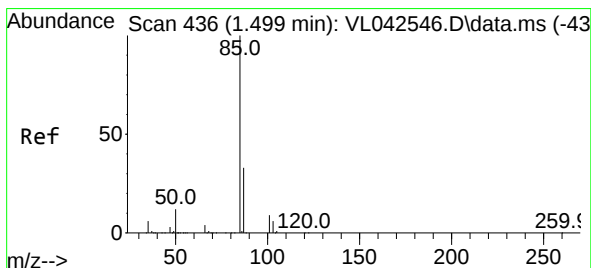
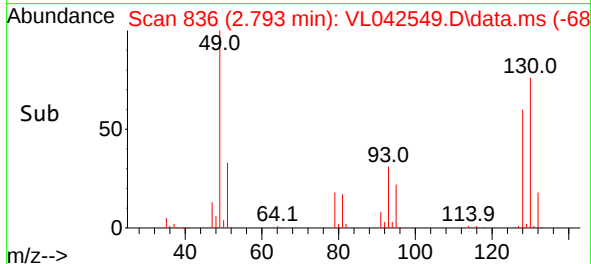
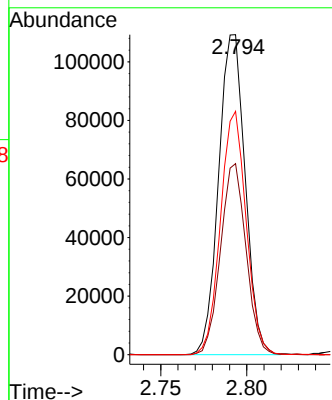
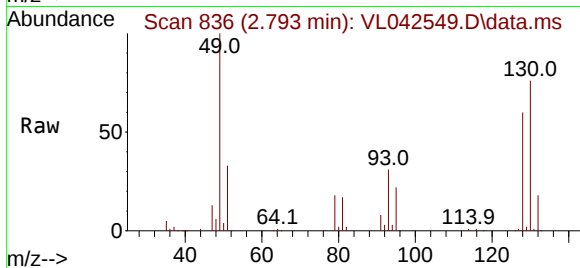
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 835
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 49 Resp: 117310
Ion Ratio Lower Upper
49 100
128 57.4 28.6 85.8
130 73.6 36.6 109.8

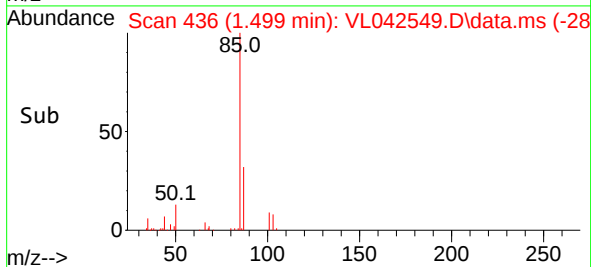
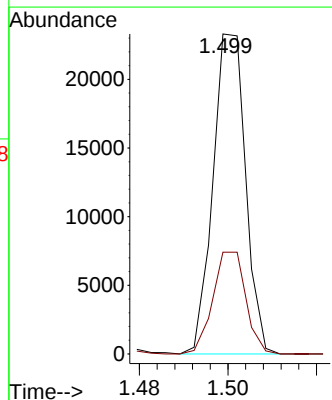
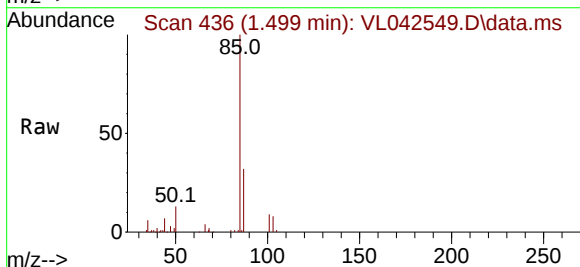
Manual Integrations
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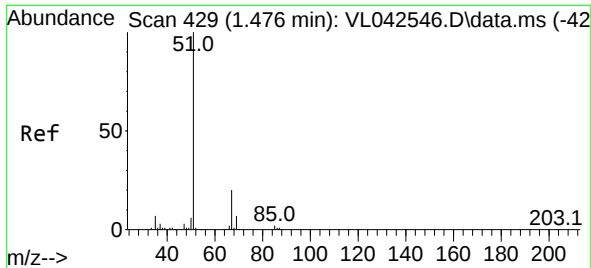
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#2
Dichlorodifluoromethane
Concen: 0.544 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Tgt Ion: 85 Resp: 11933
Ion Ratio Lower Upper
85 100
87 31.8 26.2 39.4





#3

Chlorodifluoromethane

Concen: 0.534 ppbv

RT: 1.476 min Scan# 429

Delta R.T. -0.000 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

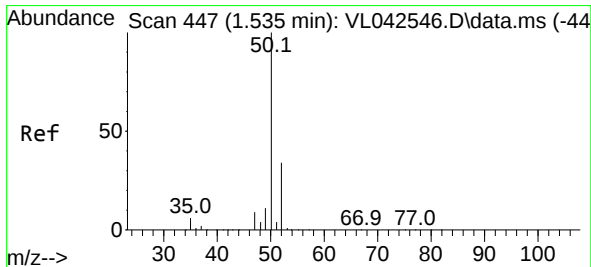
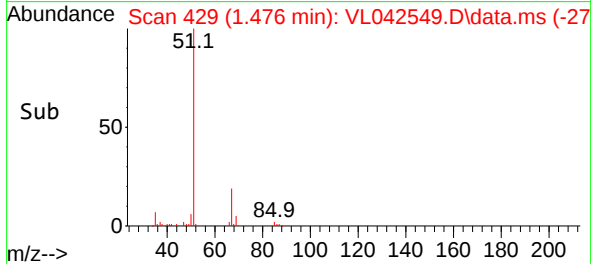
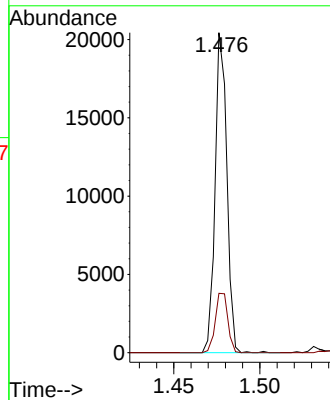
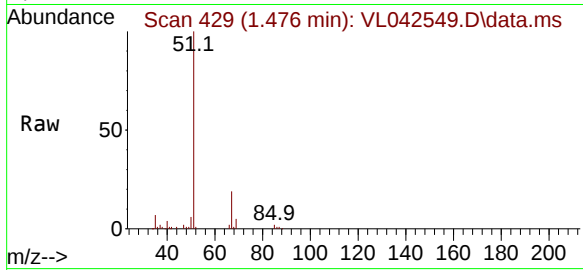
VSTDIC0.5

Tgt Ion: 51 Resp: 9650
 Ion Ratio Lower Upper
 51 100
 67 19.9 16.6 25.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025



#4

Chloromethane

Concen: 0.536 ppbv

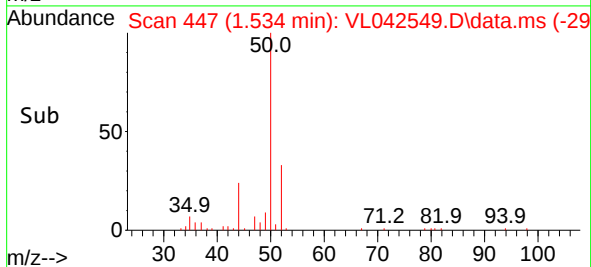
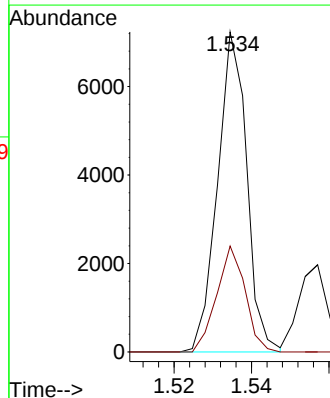
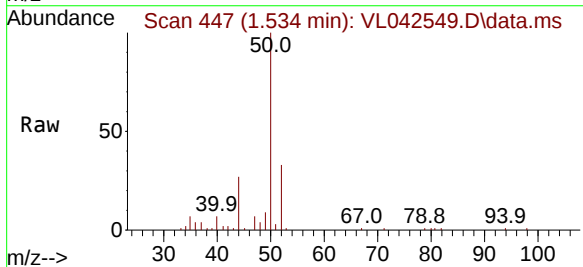
RT: 1.534 min Scan# 447

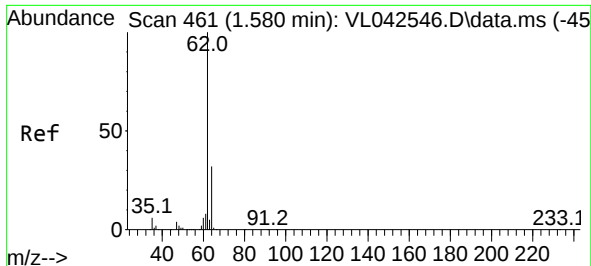
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Lab File: VL042549.D

Acq: 20 May 2025 10:50

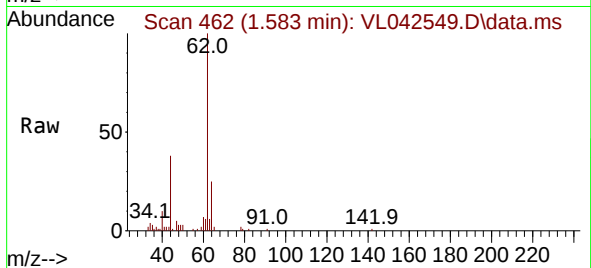
Tgt Ion: 50 Resp: 3786
 Ion Ratio Lower Upper
 50 100
 52 33.1 26.9 40.3





#5
 Vinyl Chloride
 Concen: 0.529 ppbv
 RT: 1.583 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

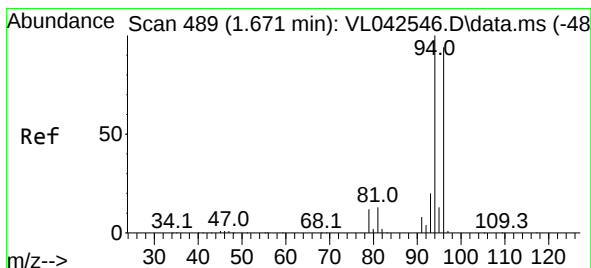
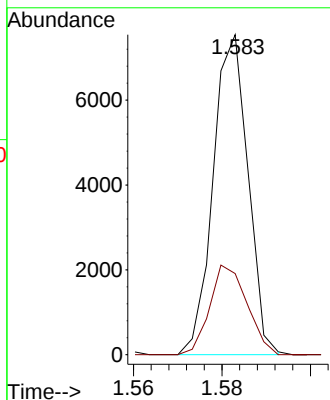
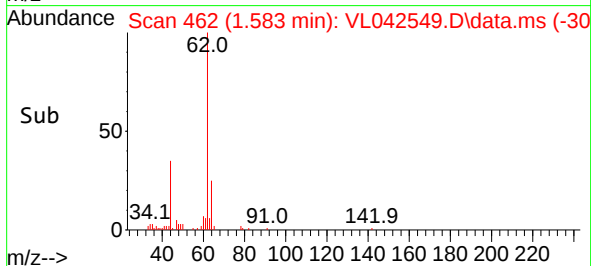
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 62 Resp: 4119
 Ion Ratio Lower Upper
 62 100
 64 25.3 25.7 38.5

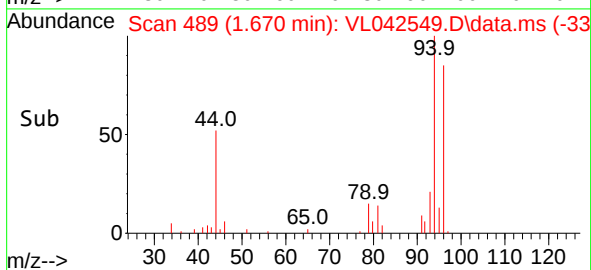
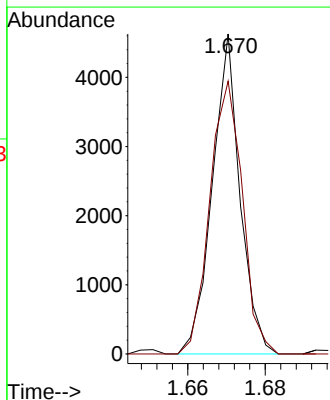
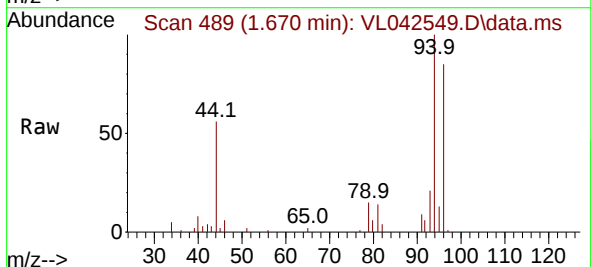
Manual Integrations
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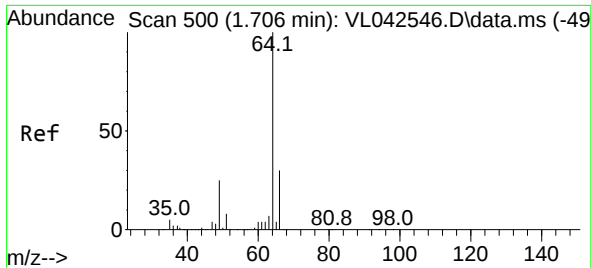
Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025



#6
 Bromomethane
 Concen: 0.513 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

Tgt Ion: 94 Resp: 2298
 Ion Ratio Lower Upper
 94 100
 96 85.3 74.9 112.3





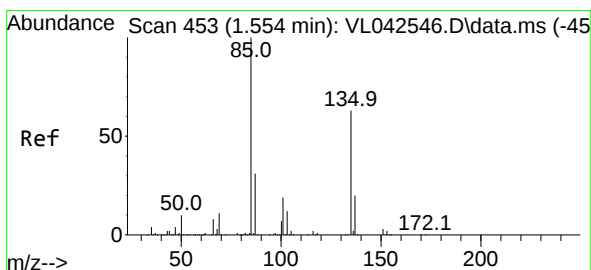
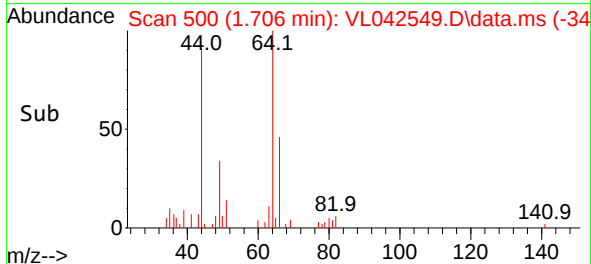
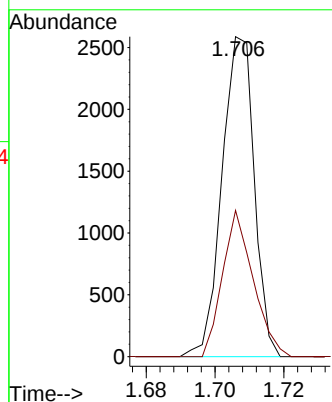
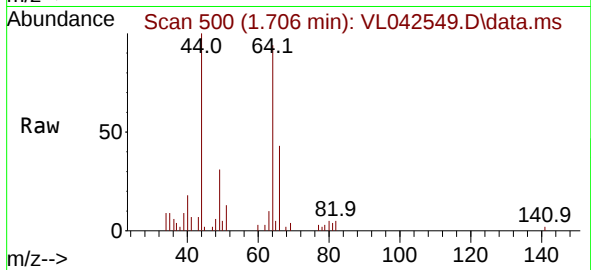
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Chloroethane
Concen: 0.538 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 64 Resp: 1680
Ion Ratio Lower Upper
64 100
66 45.7 24.4 36.6

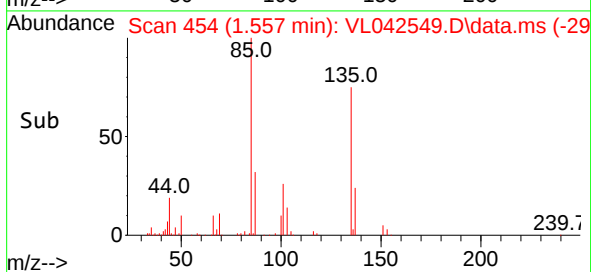
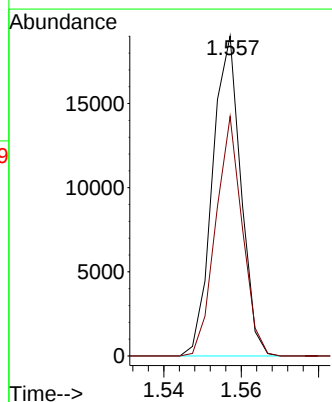
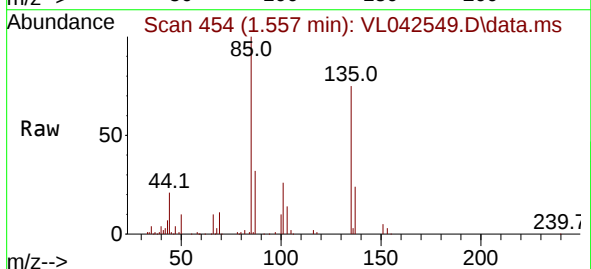
Manual Integrations
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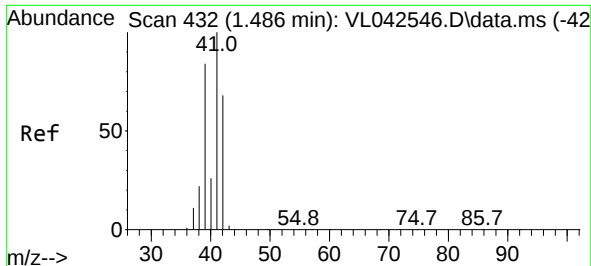
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#8
Dichlorotetrafluoroethane
Concen: 0.520 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Tgt Ion: 85 Resp: 9669
Ion Ratio Lower Upper
85 100
135 70.3 57.2 85.8





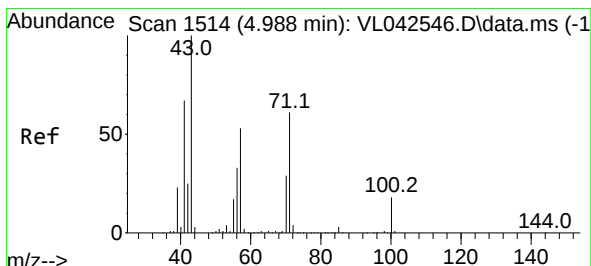
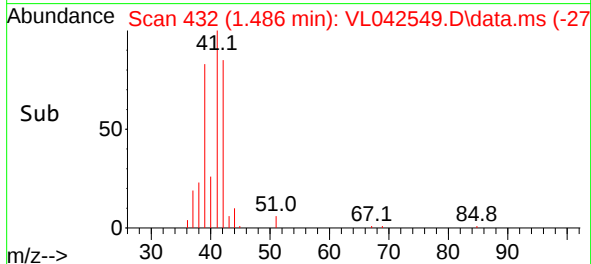
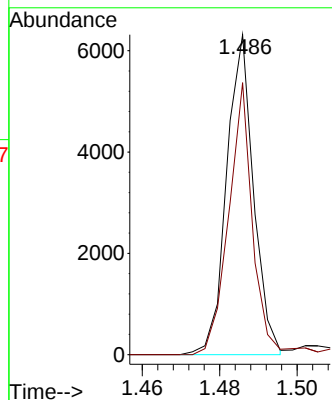
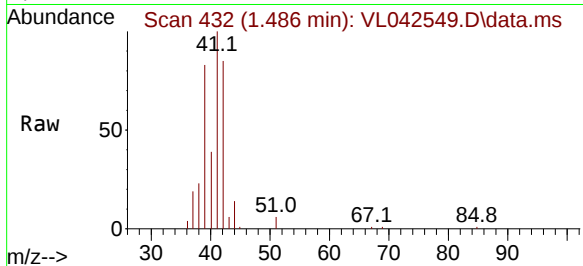
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 Propene
 Concen: 0.486 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 305
 Ion Ratio Lower Upper
 41 100
 42 80.0 55.0 82.4

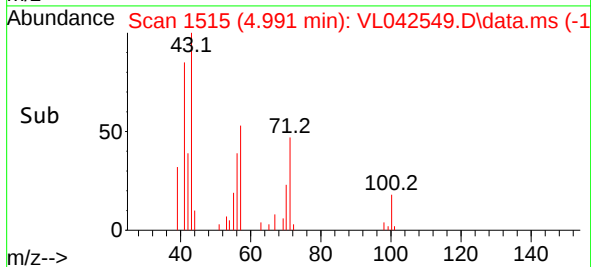
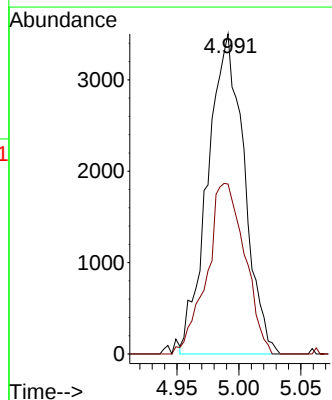
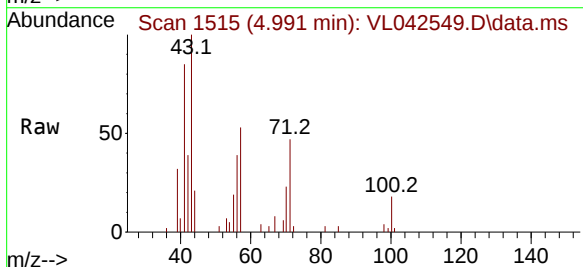
Manual Integrations
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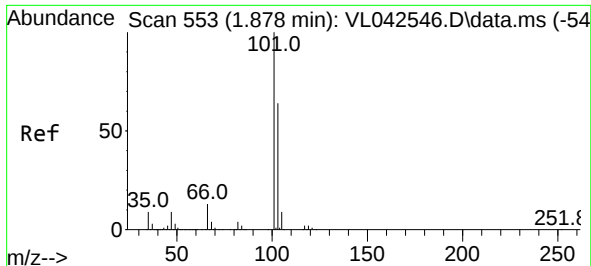
Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025



#10
 Heptane
 Concen: 0.433 ppbv
 RT: 4.991 min Scan# 1515
 Delta R.T. 0.003 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

Tgt Ion: 43 Resp: 7166
 Ion Ratio Lower Upper
 43 100
 57 55.3 43.4 65.0





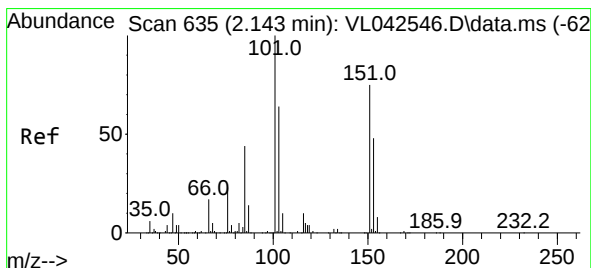
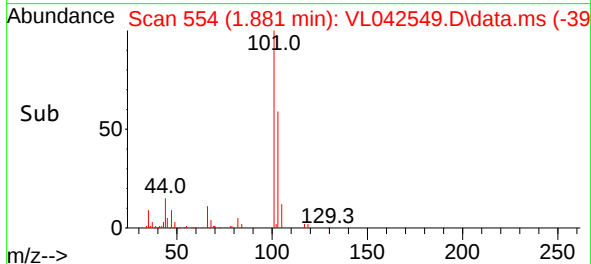
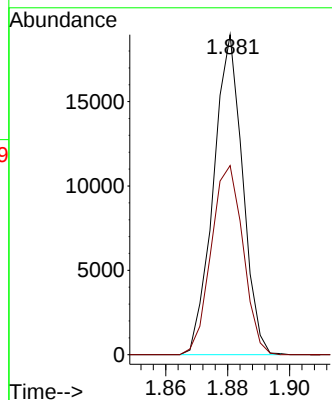
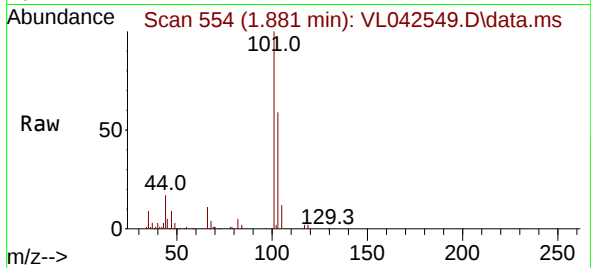
#11
Trichlorofluoromethane
Concen: 0.542 ppbv
RT: 1.881 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:101 Resp: 1241
Ion Ratio Lower Upper
101 100
103 59.1 51.5 77.3

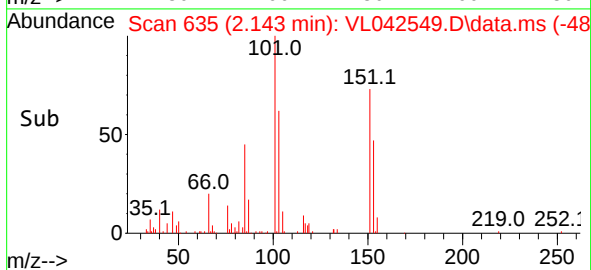
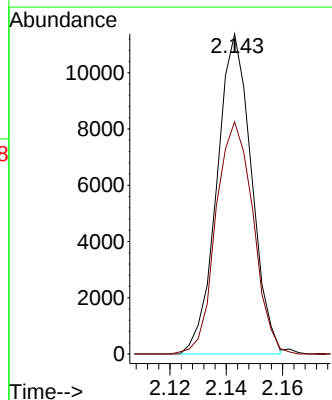
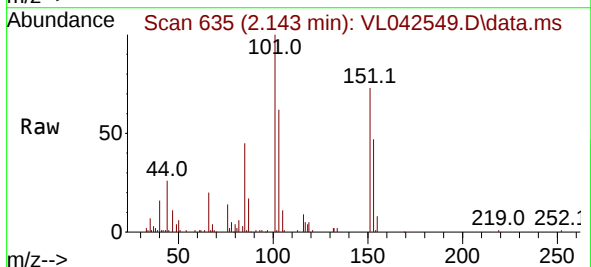
Manual Integrations
APPROVED

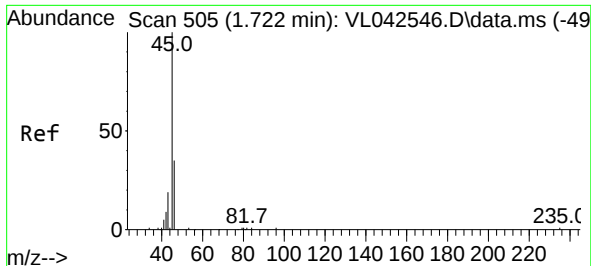
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.526 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

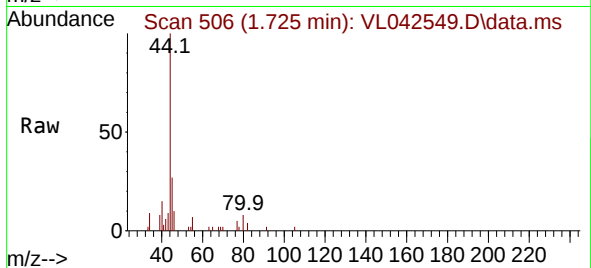
Tgt Ion:101 Resp: 9707
Ion Ratio Lower Upper
101 100
151 77.9 59.5 89.3





#13
Ethanol
Concen: 0.633 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

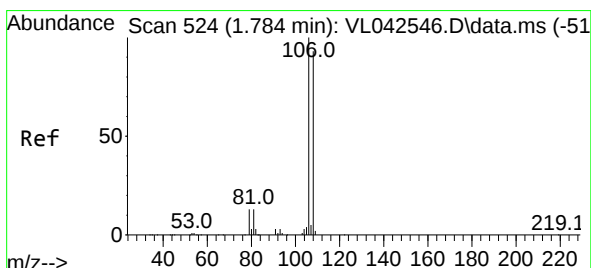
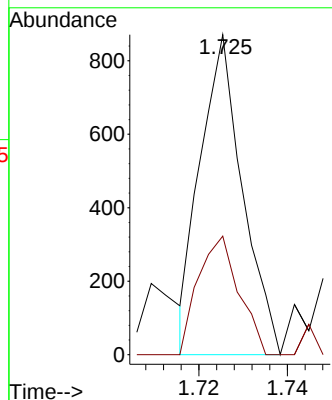
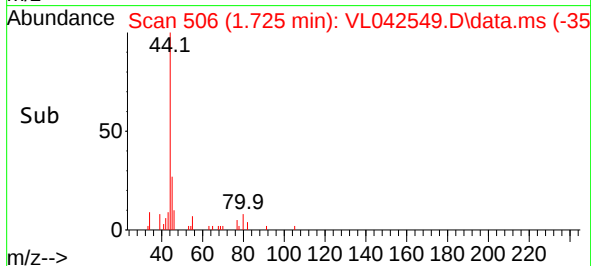
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



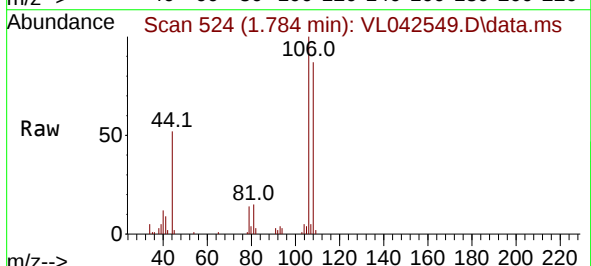
Tgt Ion: 45 Resp: 570
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.3

Manual Integrations
APPROVED

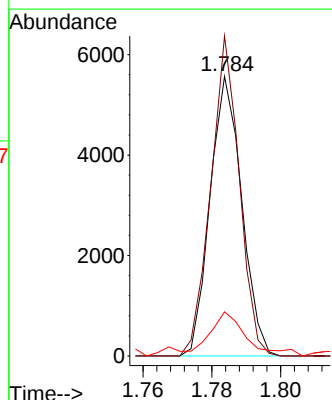
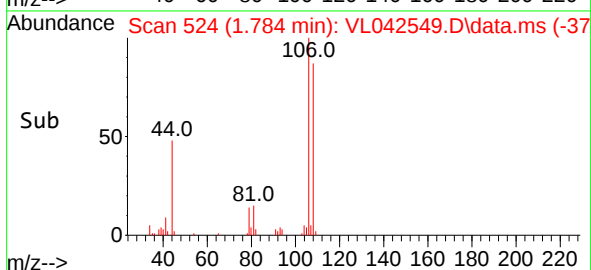
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

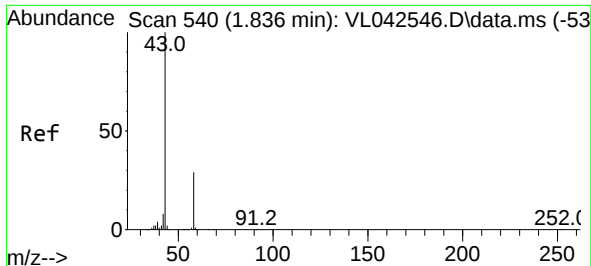


#14
Bromoethene
Concen: 0.510 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50



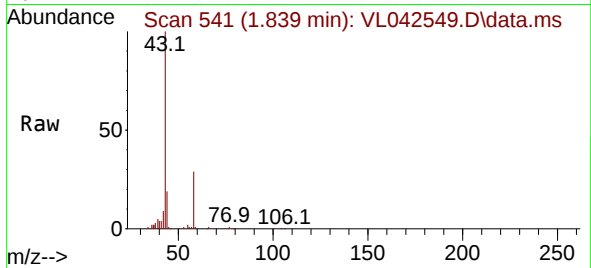
Tgt Ion:108 Resp: 3556
Ion Ratio Lower Upper
108 100
106 103.2 86.4 129.6
79 21.3 11.9 17.9





#15
Acetone
Concen: 0.603 ppbv
RT: 1.839 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

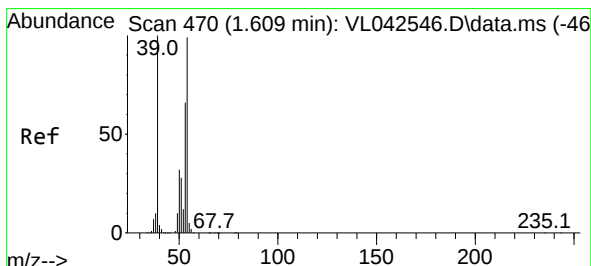
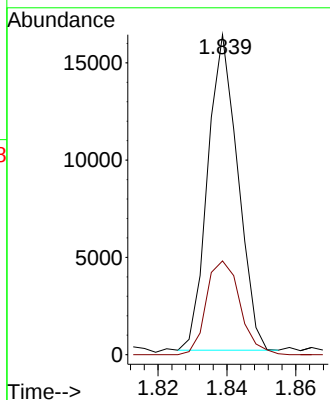
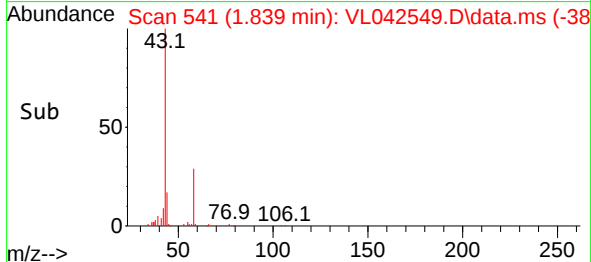
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 43 Resp: 9858
Ion Ratio Lower Upper
43 100
58 33.7 24.2 36.2

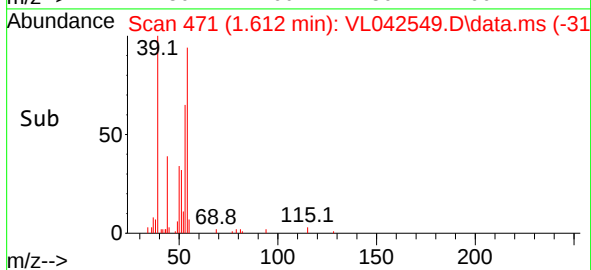
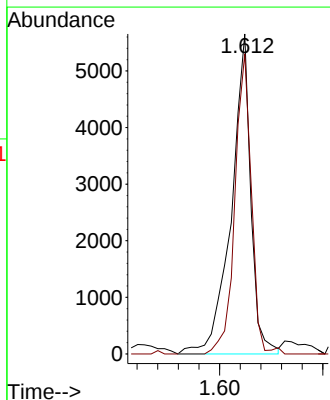
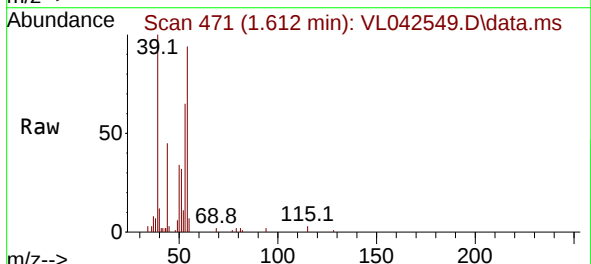
Manual Integrations
APPROVED

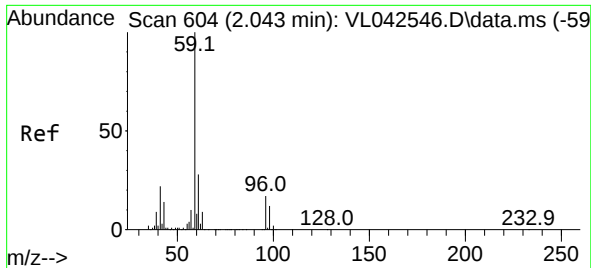
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#16
1,3-Butadiene
Concen: 0.558 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Tgt Ion: 39 Resp: 3704
Ion Ratio Lower Upper
39 100
54 79.1 71.8 107.8





#17

tert-Butyl alcohol

Concen: 0.531 ppbv

RT: 2.046 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 59 Resp: 1004

Ion Ratio Lower Upper

59 100

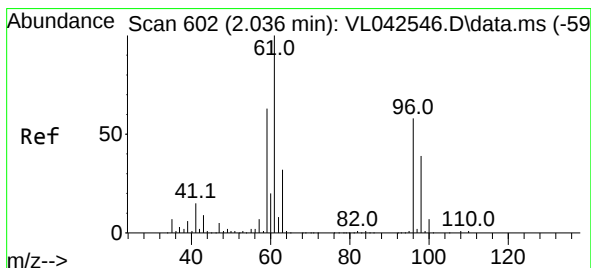
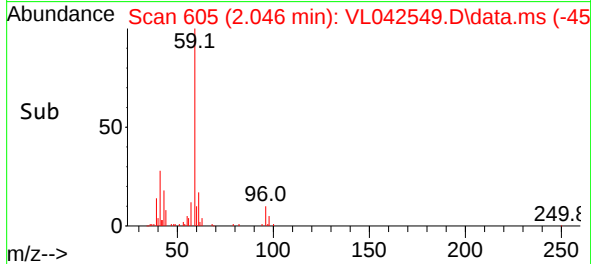
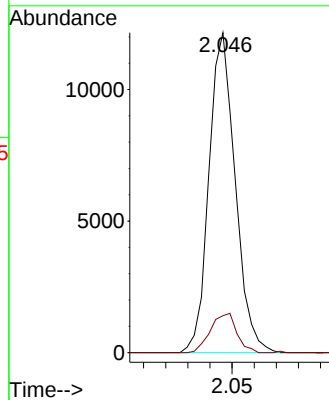
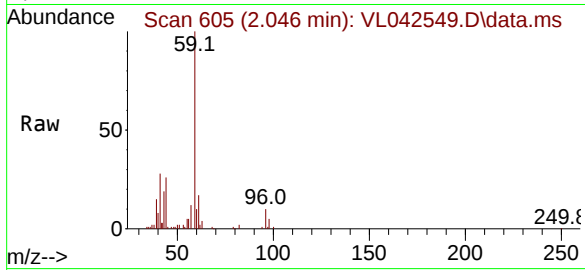
57 12.4 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/21/2025

Supervised By :Mahesh Dadoda 05/21/2025



#18

1,1-Dichloroethene

Concen: 0.531 ppbv m

RT: 2.039 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

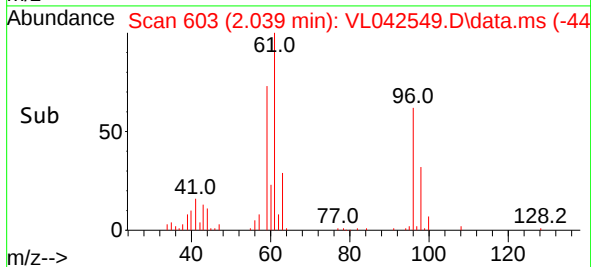
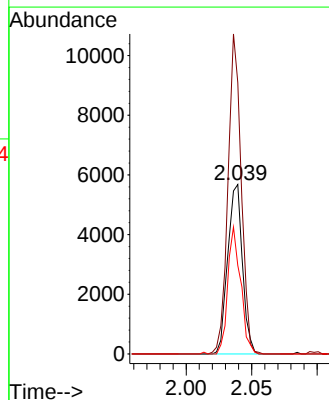
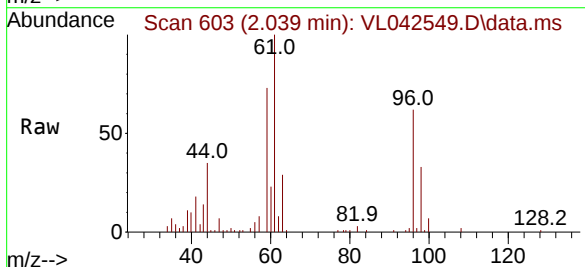
Tgt Ion: 96 Resp: 4428

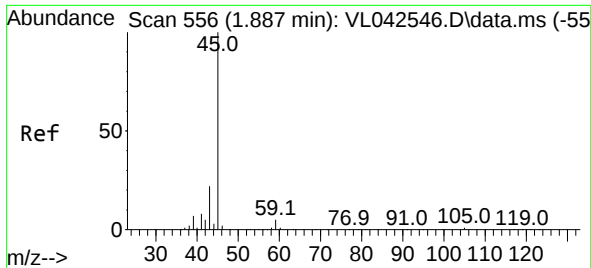
Ion Ratio Lower Upper

96 100

61 160.2 137.5 206.3

98 52.2 53.2 79.8





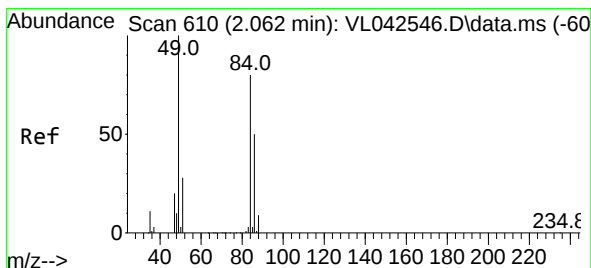
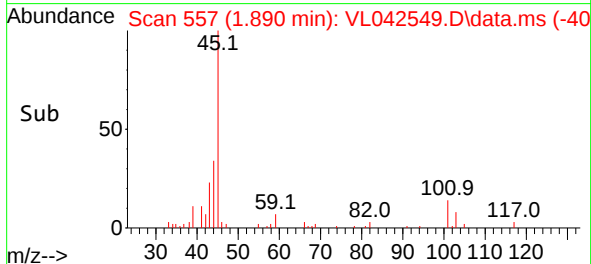
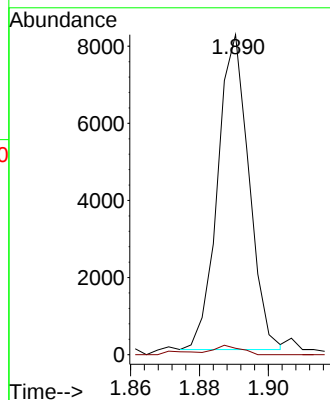
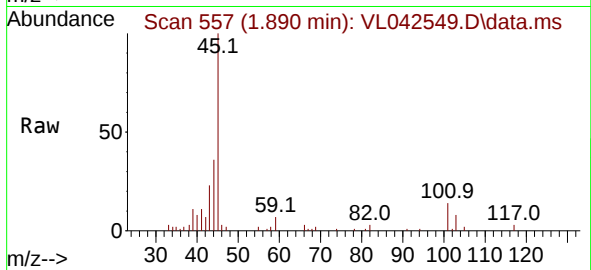
#19
Isopropyl Alcohol
Concen: 0.554 ppbv
RT: 1.890 min Scan# 514
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 514
Ion Ratio Lower Upper
45 100
58 3.6 35.3 52.9

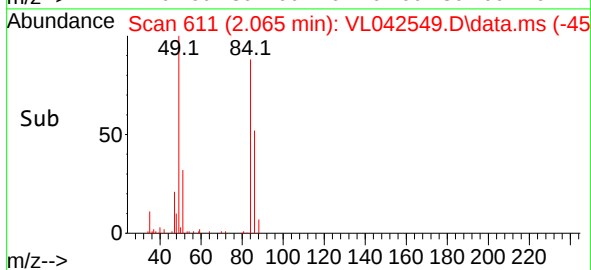
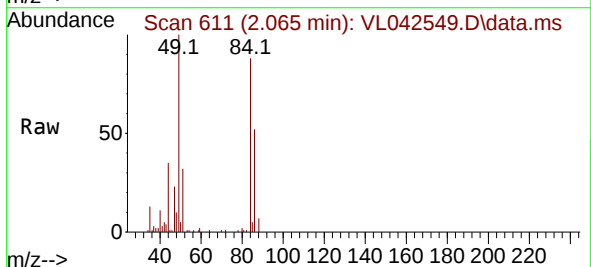
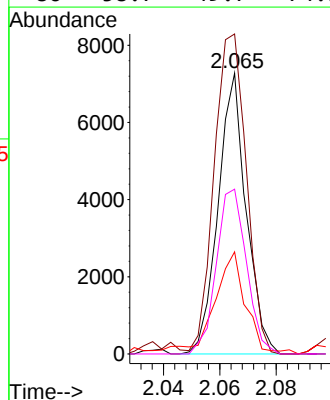
Manual Integrations
APPROVED

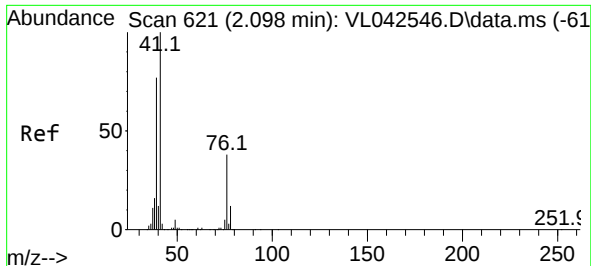
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#20
Methylene Chloride
Concen: 0.636 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

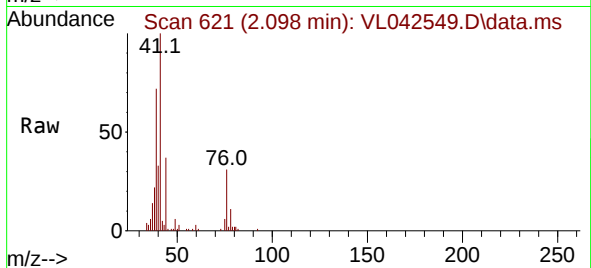
Tgt Ion: 84 Resp: 5037
Ion Ratio Lower Upper
84 100
49 114.0 99.7 149.5
51 35.4 29.7 44.5
86 58.7 49.7 74.5





#21
 Allyl Chloride
 Concen: 0.516 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

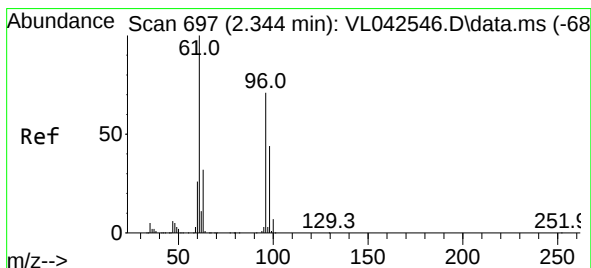
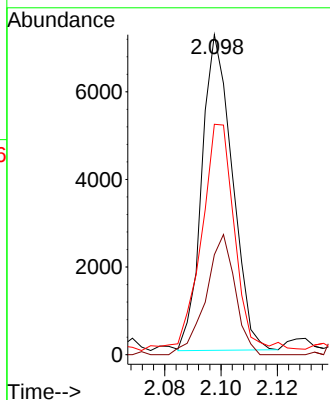
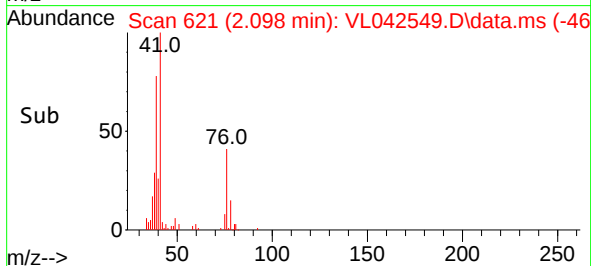
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 41 Resp: 5408
 Ion Ratio Lower Upper
 41 100
 76 36.6 30.2 45.4
 39 81.3 62.5 93.7

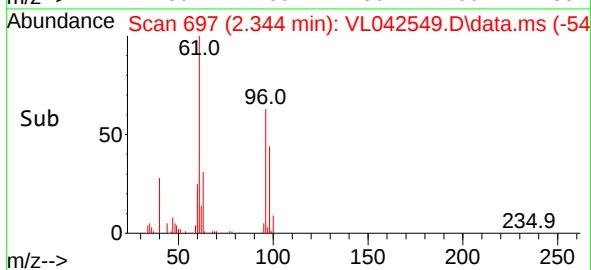
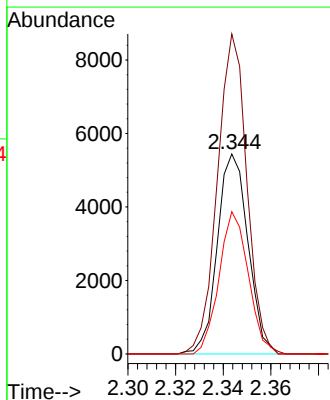
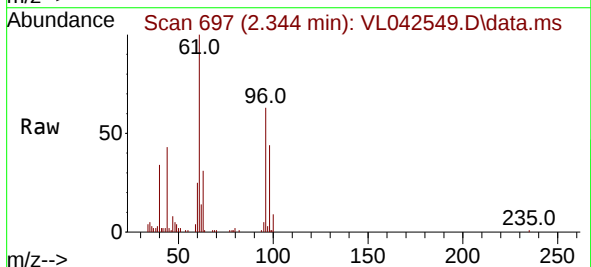
Manual Integrations
 APPROVED

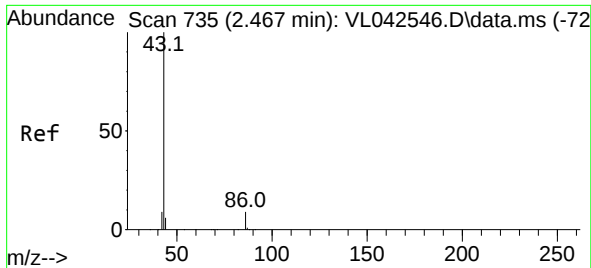
Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.524 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

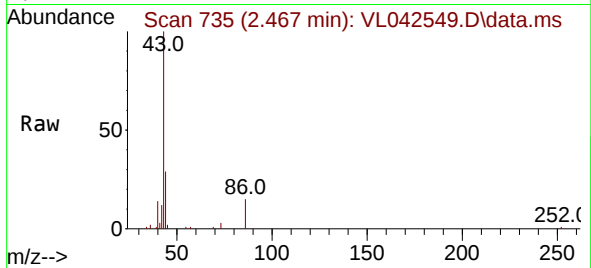
Tgt Ion: 96 Resp: 4858
 Ion Ratio Lower Upper
 96 100
 61 160.0 112.5 168.7
 98 71.1 49.0 73.4





#23
 Vinyl Acetate
 Concen: 0.466 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

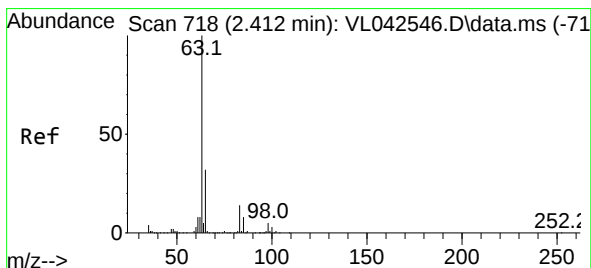
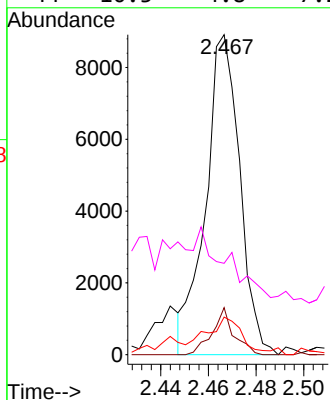
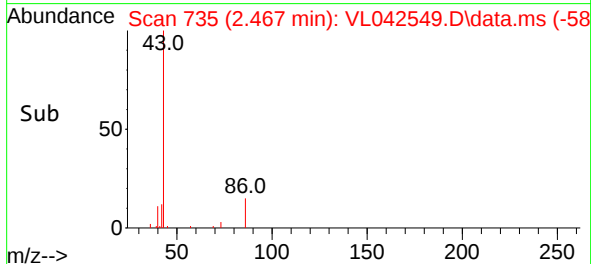
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



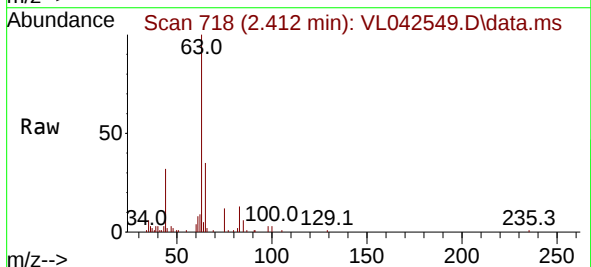
Tgt Ion	Ratio	Lower	Upper
43	100		
86	14.7	7.0	10.6
42	9.6	7.4	11.2
44	10.3	4.8	7.2

Manual Integrations
 APPROVED

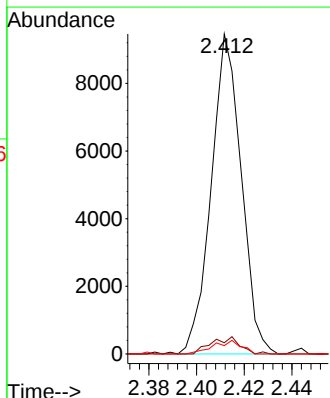
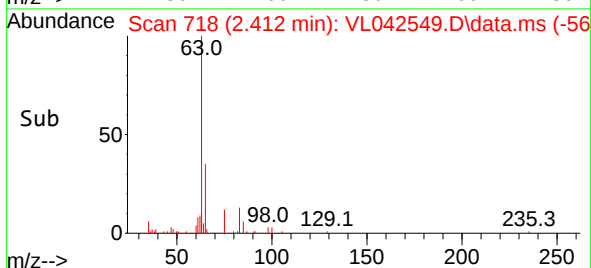
Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025

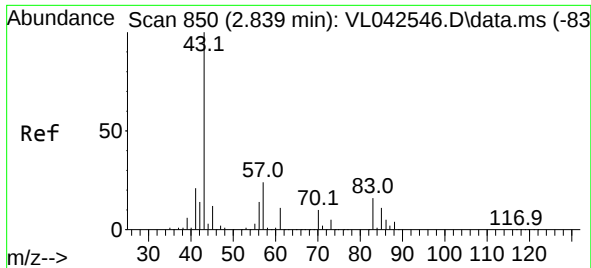


#24
 1,1-Dichloroethane
 Concen: 0.522 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50



Tgt Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.6	7.8
100	2.6	1.8	5.3





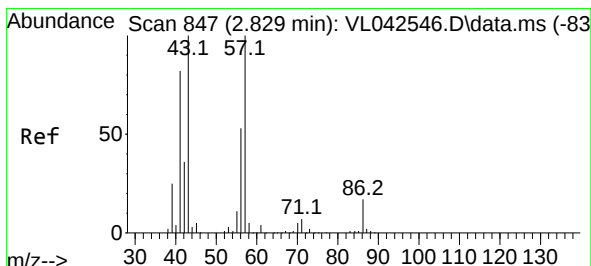
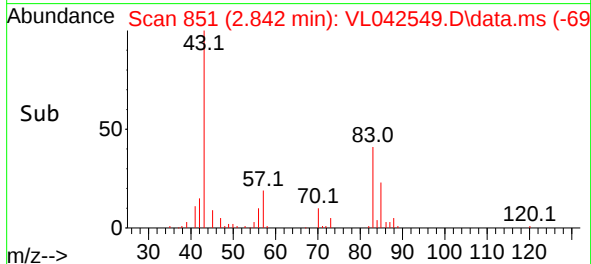
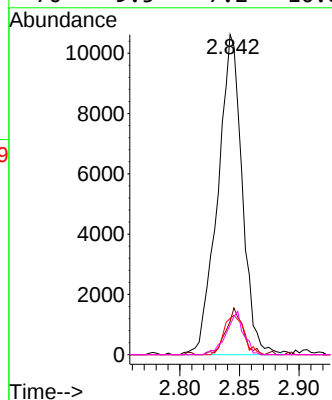
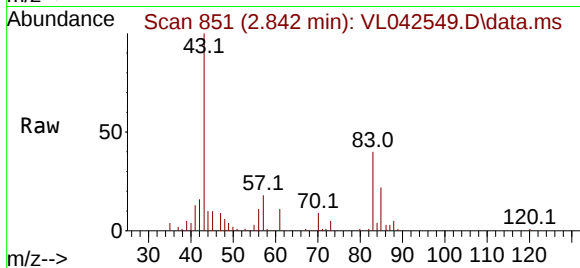
#25
Ethyl Acetate
Concen: 0.480 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43	Resp: 1516
Ion Ratio	Lower Upper
43 100	
45 10.5	8.0 12.0
61 10.2	7.5 11.3
70 9.5	7.2 10.8

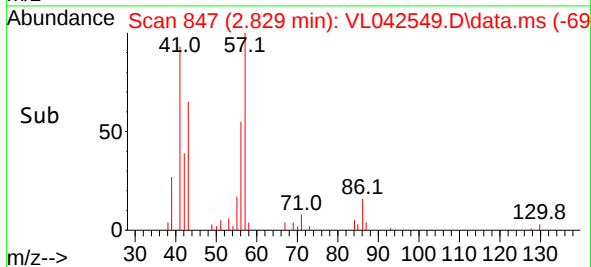
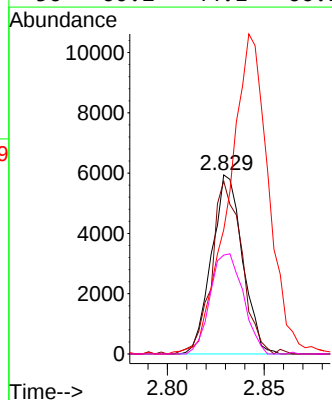
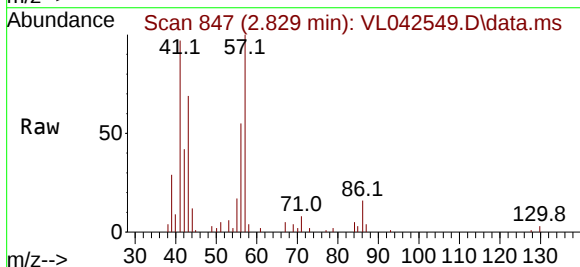
Manual Integrations
APPROVED

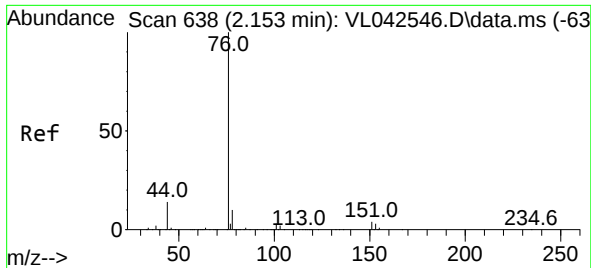
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#26
Hexane
Concen: 0.461 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

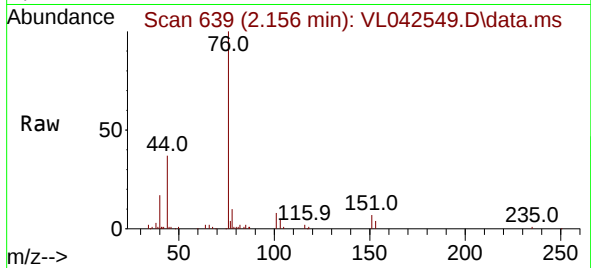
Tgt Ion: 57	Resp: 6591
Ion Ratio	Lower Upper
57 100	
41 94.5	69.0 103.4
43 230.7	174.2 261.2
56 60.2	44.1 66.1





#27
Carbon Disulfide
Concen: 0.480 ppbv
RT: 2.156 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

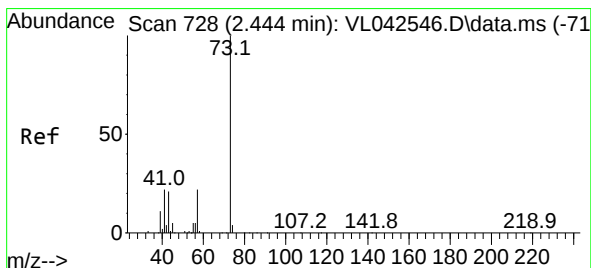
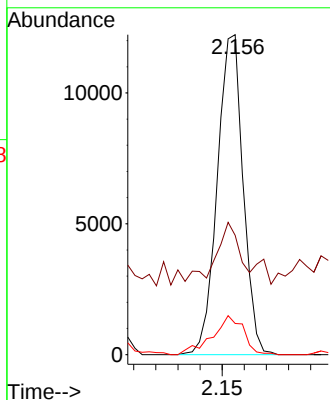
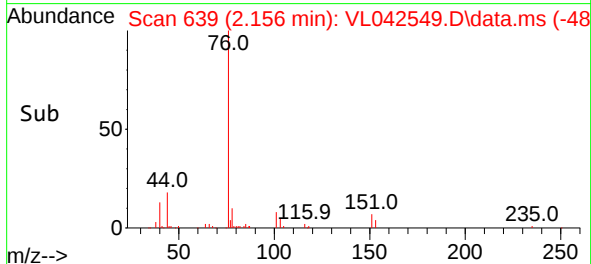
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



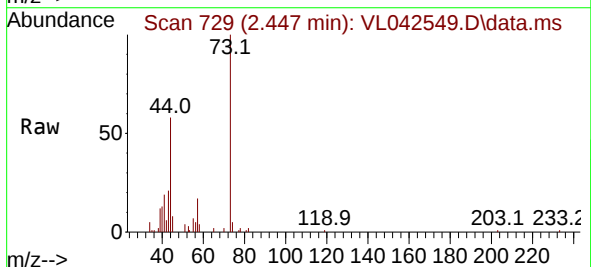
Tgt Ion: 76 Resp: 9920
Ion Ratio Lower Upper
76 100
44 59.5 14.0 21.0
78 14.7 9.4 14.0

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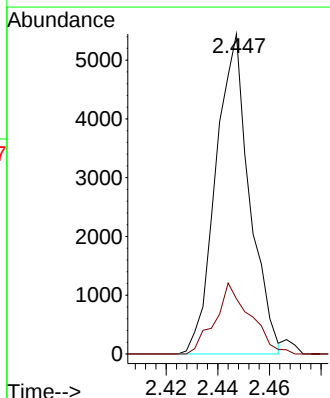
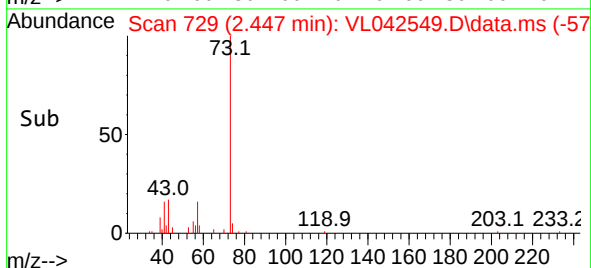
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

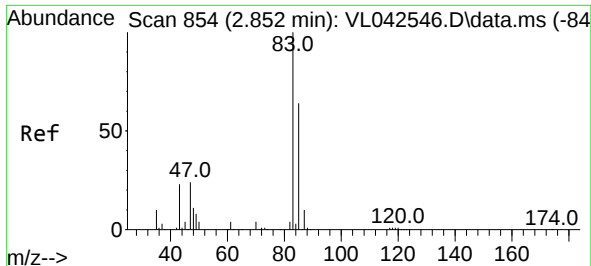


#28
Methyl tert-Butyl Ether
Concen: 0.513 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50



Tgt Ion: 73 Resp: 4938
Ion Ratio Lower Upper
73 100
57 23.2 17.2 25.8





#29

Chloroform

Concen: 0.527 ppbv

RT: 2.852 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 83 Resp: 1422

Ion Ratio Lower Upper

83 100

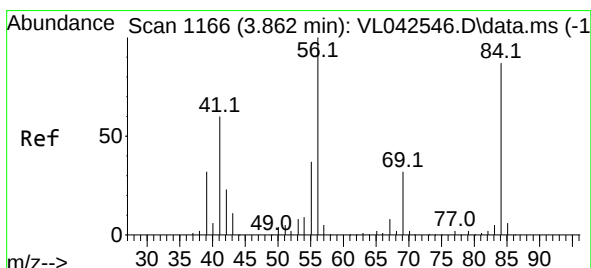
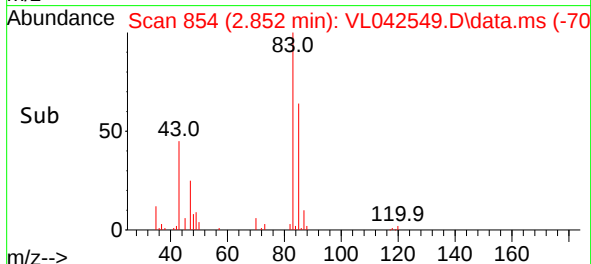
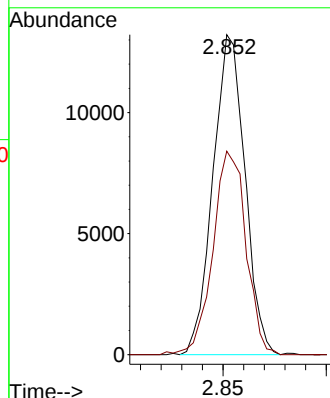
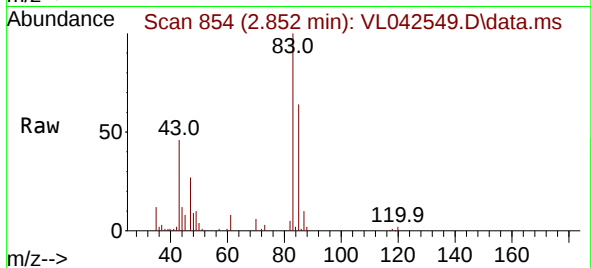
85 63.6 51.6 77.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/21/2025

Supervised By :Mahesh Dadoda 05/21/2025



#30

Cyclohexane

Concen: 0.424 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

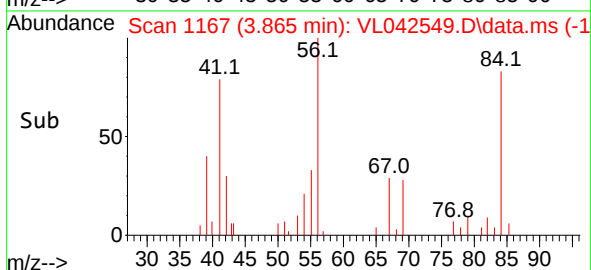
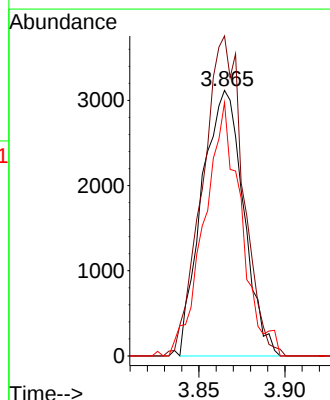
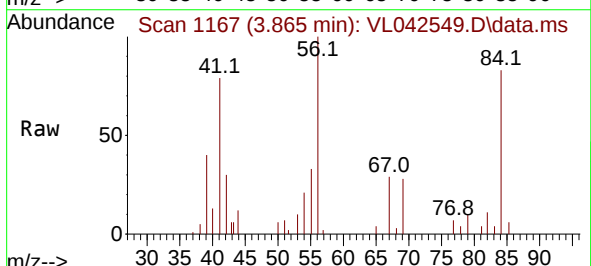
Tgt Ion: 84 Resp: 5242

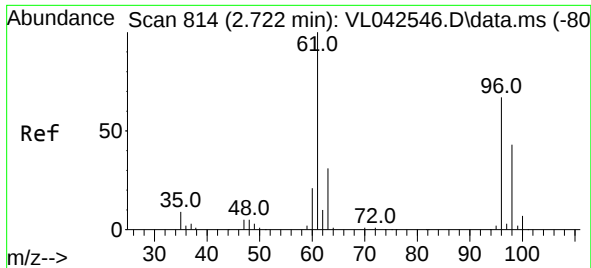
Ion Ratio Lower Upper

84 100

56 117.6 92.3 138.5

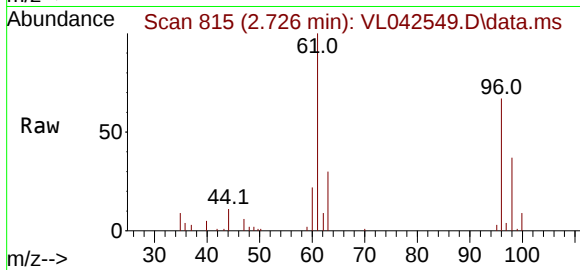
41 84.8 57.0 85.4





#31
 cis-1,2-Dichloroethene
 Concen: 0.504 ppbv
 RT: 2.726 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

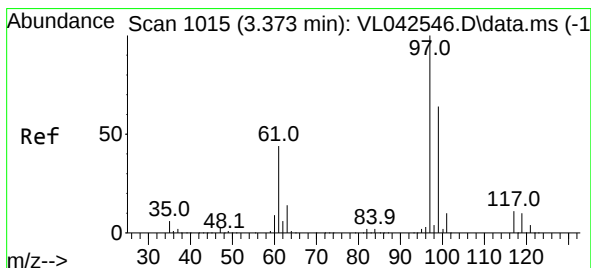
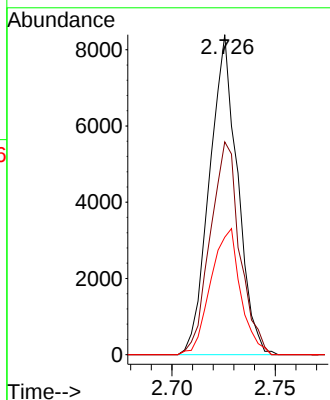
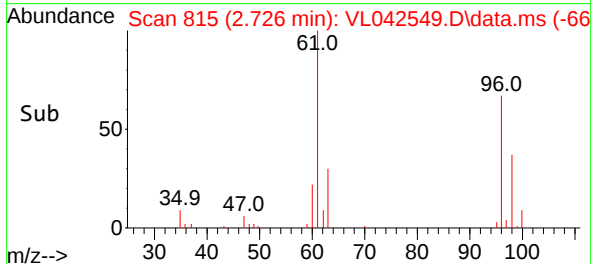
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



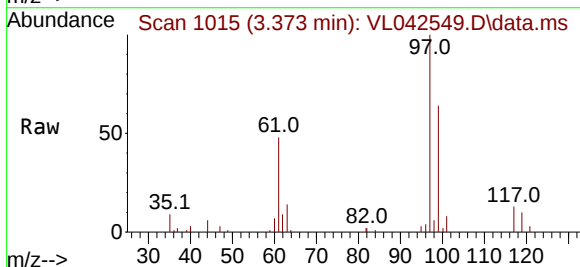
Tgt Ion: 61 Resp: 7920
 Ion Ratio Lower Upper
 61 100
 96 66.5 53.8 80.8
 98 36.7 34.5 51.7

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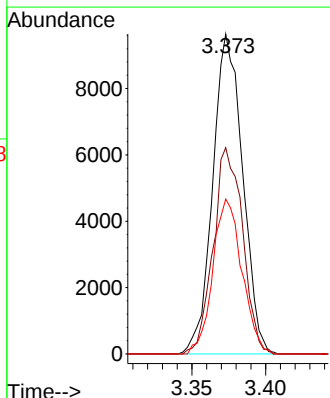
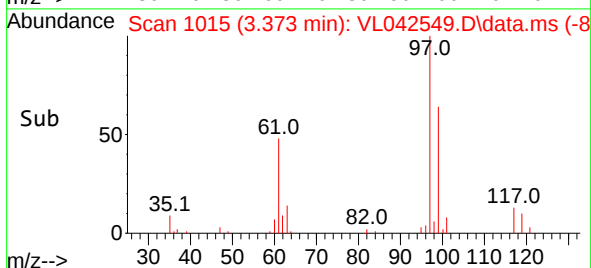
Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025

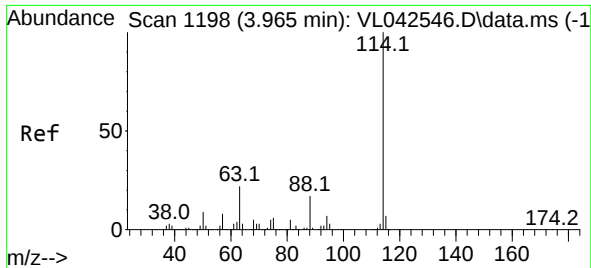


#32
 1,1,1-Trichloroethane
 Concen: 0.492 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. -0.000 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50



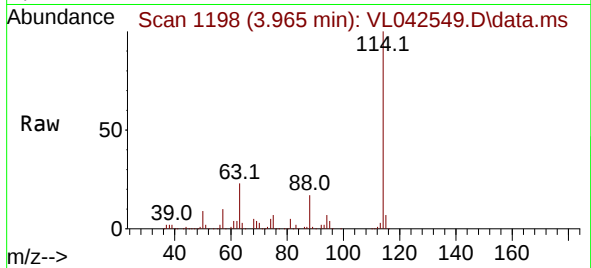
Tgt Ion: 97 Resp: 13575
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.5 77.3
 61 47.2 35.7 53.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

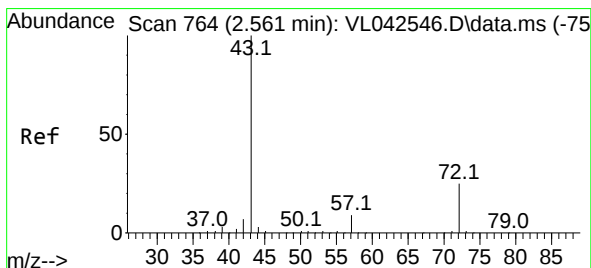
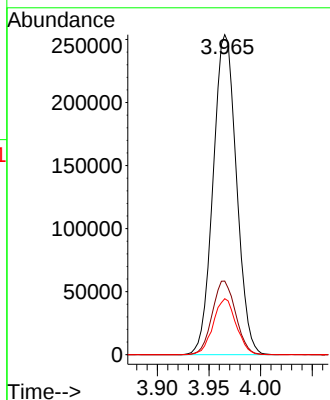
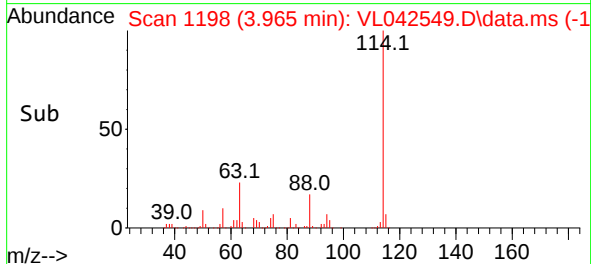
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



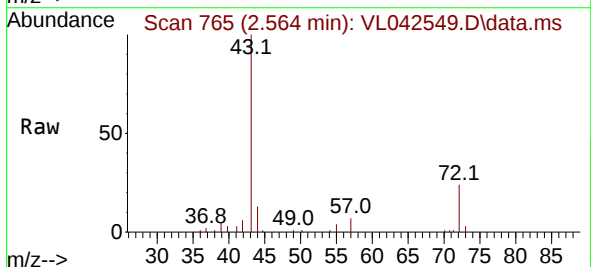
Tgt Ion:114 Resp: 398840
Ion Ratio Lower Upper
114 100
63 23.1 18.4 27.6
88 17.2 14.0 21.0

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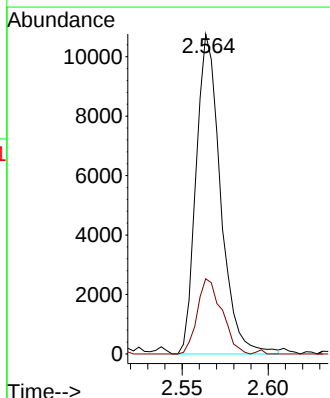
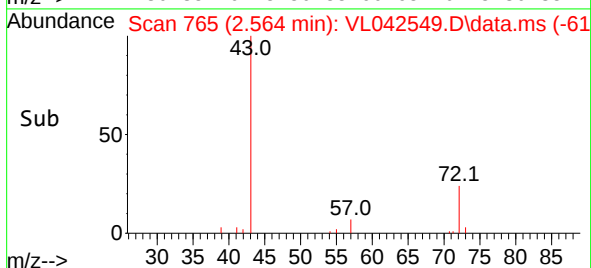
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

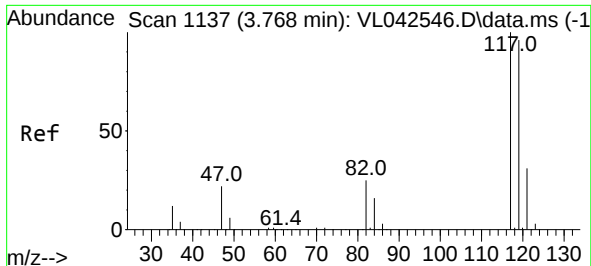


#34
2-Butanone
Concen: 0.502 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50



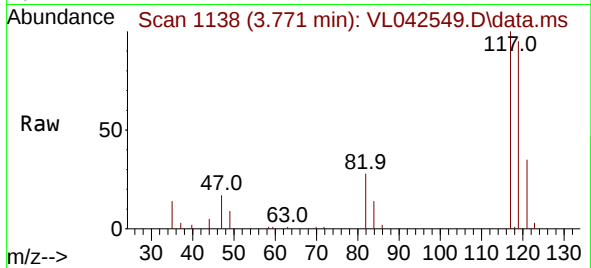
Tgt Ion: 43 Resp: 10625
Ion Ratio Lower Upper
43 100
72 24.0 20.5 30.7





#35
Carbon Tetrachloride
Concen: 0.489 ppbv
RT: 3.771 min Scan# 1137
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

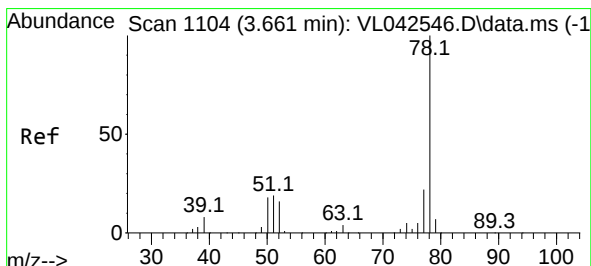
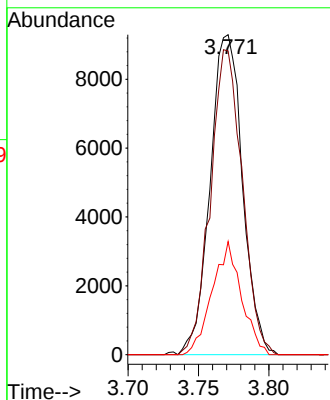
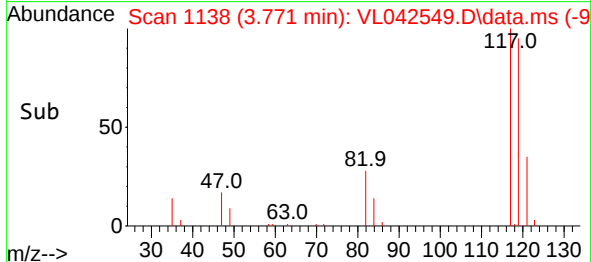
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



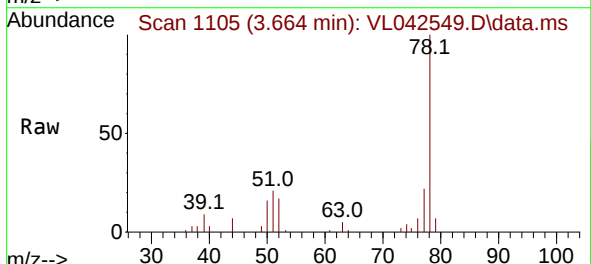
Tgt Ion: 117 Resp: 1486
Ion Ratio Lower Upper
117 100
119 94.9 76.6 114.8
121 35.4 24.7 37.1

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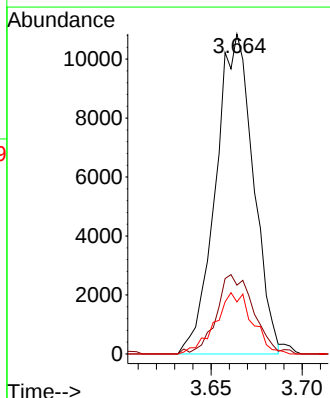
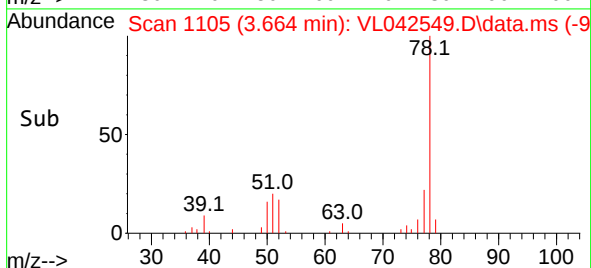
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

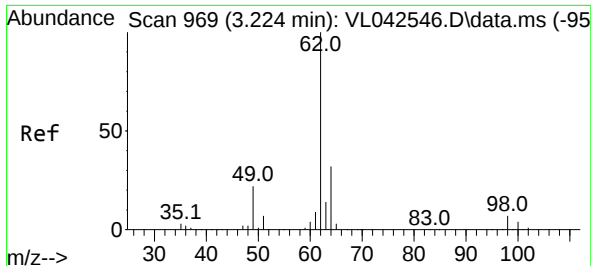


#36
Benzene
Concen: 0.484 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50



Tgt Ion: 78 Resp: 15613
Ion Ratio Lower Upper
78 100
77 21.5 17.8 26.6
50 16.3 14.0 21.0





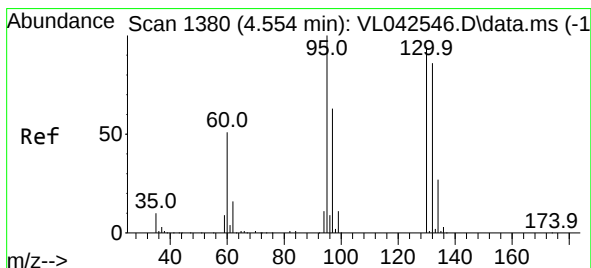
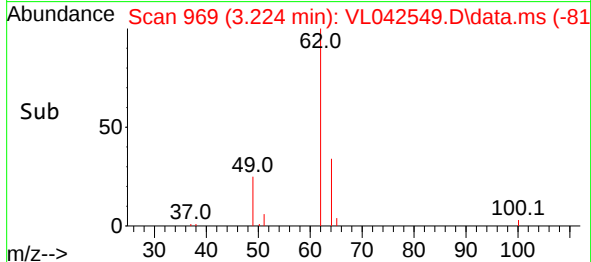
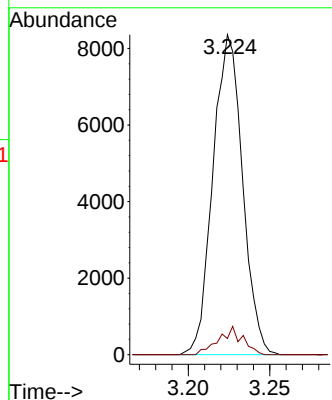
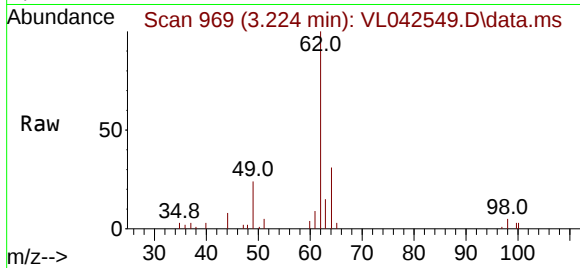
#37
1,2-Dichloroethane
Concen: 0.534 ppbv
RT: 3.224 min Scan# 969
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 62 Resp: 10538
Ion Ratio Lower Upper
62 100
98 7.1 5.5 8.3

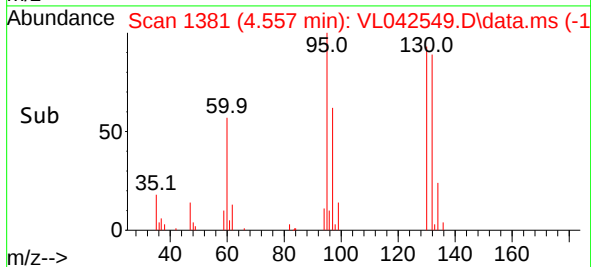
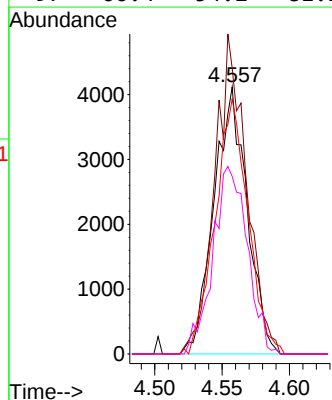
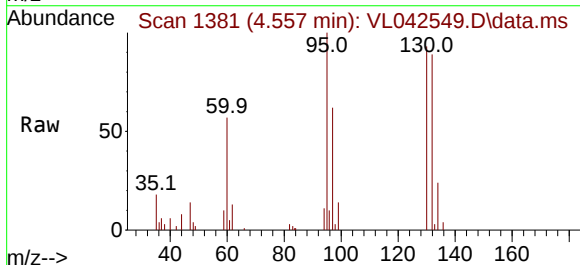
Manual Integrations
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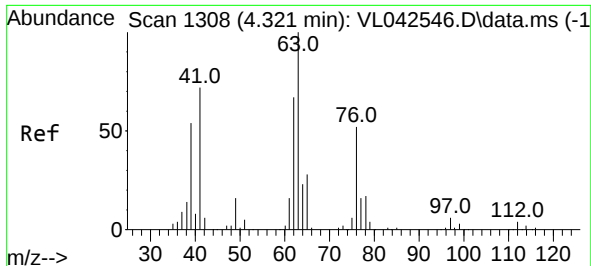
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#38
Trichloroethene
Concen: 0.479 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Tgt Ion:130 Resp: 7058
Ion Ratio Lower Upper
130 100
95 107.0 85.2 127.8
132 95.5 73.4 110.2
97 66.4 54.2 81.2





#39

1,2-Dichloropropane

Concen: 0.499 ppbv

RT: 4.324 min Scan# 1308

Delta R.T. 0.003 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

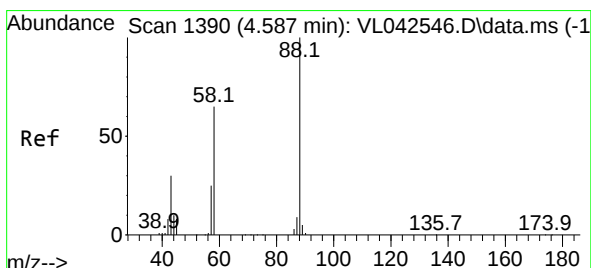
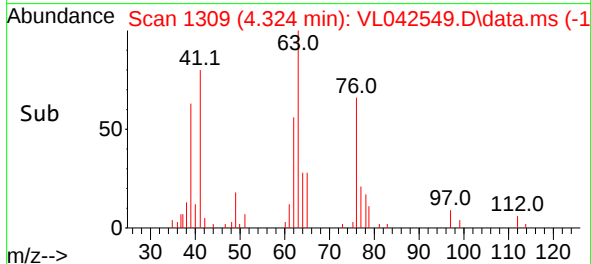
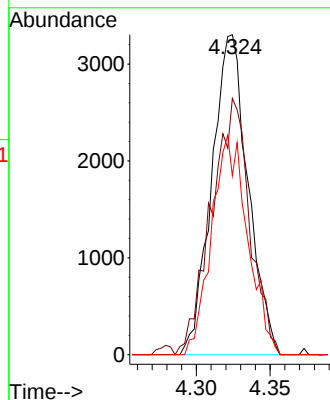
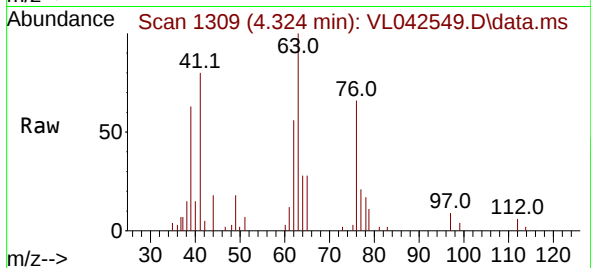
VSTDICC0.5

Tgt Ion: 63	Resp: 565
Ion Ratio	Lower Upper
63	100
41	80.1 58.0 87.0
62	55.9 53.3 79.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#40

1,4-Dioxane

Concen: 0.486 ppbv m

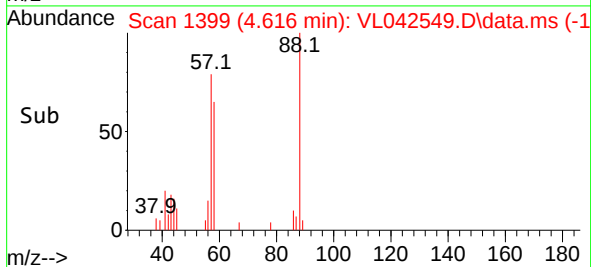
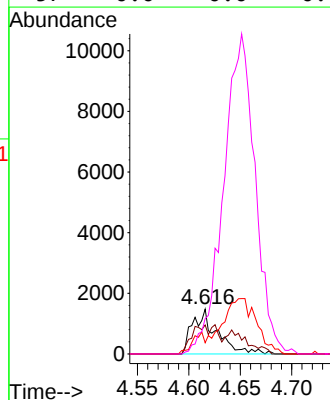
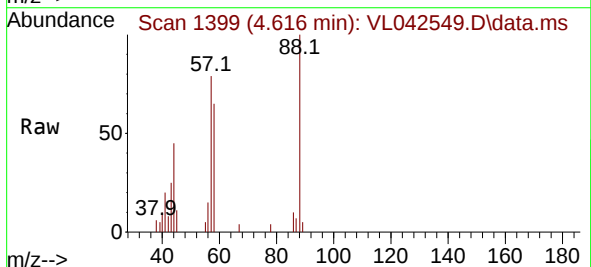
RT: 4.616 min Scan# 1399

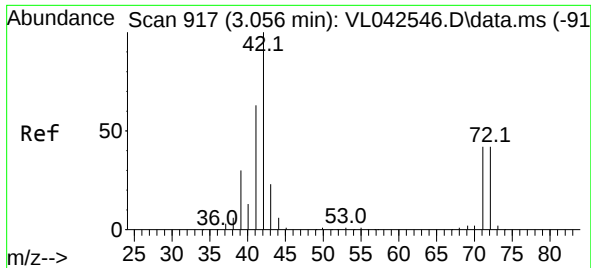
Delta R.T. 0.029 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Tgt Ion: 88	Resp: 2475
Ion Ratio	Lower Upper
88	100
58	0.0 52.8 79.2#
43	0.0 23.0 34.4#
57	0.0 0.0 0.0





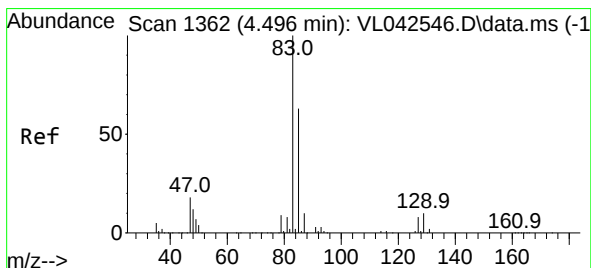
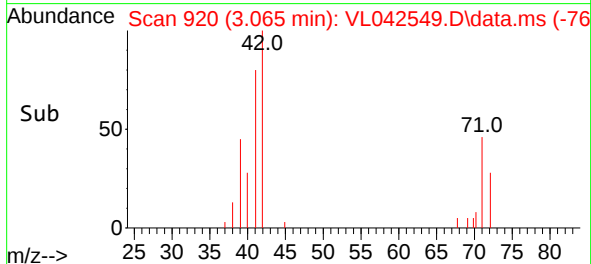
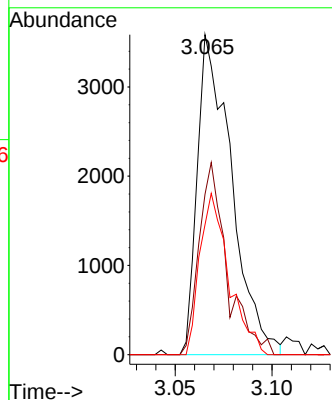
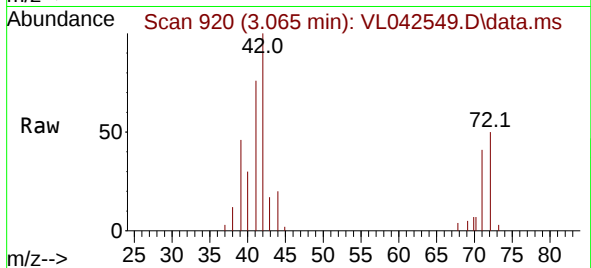
#41
Tetrahydrofuran
Concen: 0.426 ppbv
RT: 3.065 min Scan# 917
Delta R.T. 0.010 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 42 Resp: 4400
Ion Ratio Lower Upper
42 100
72 49.3 34.8 52.2
71 43.0 33.6 50.4

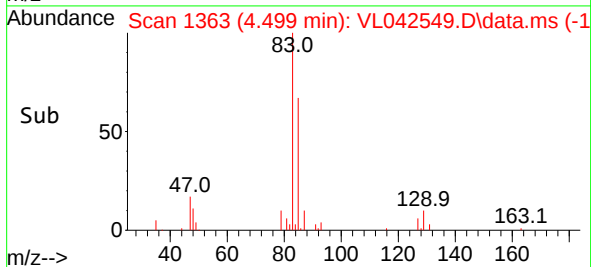
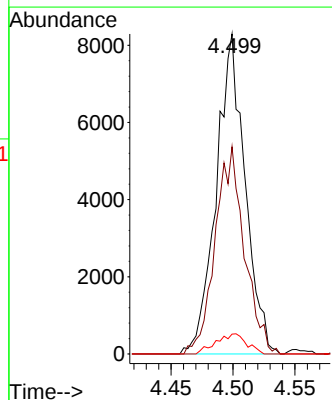
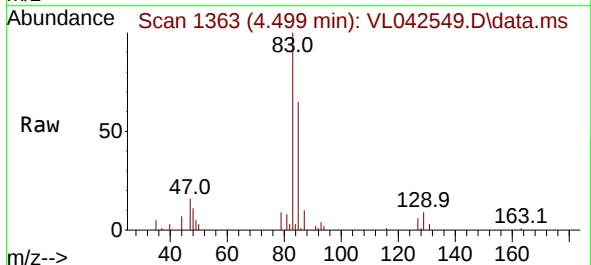
Manual Integrations
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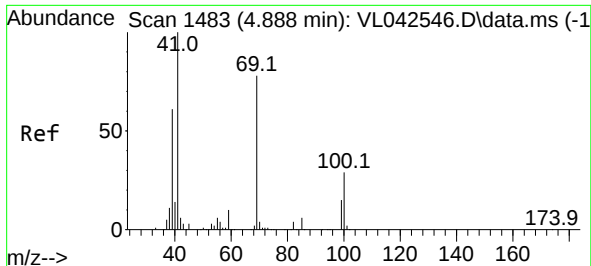
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#42
Bromodichloromethane
Concen: 0.484 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Tgt Ion: 83 Resp: 13457
Ion Ratio Lower Upper
83 100
85 64.8 50.4 75.6
127 6.2 6.5 9.7#





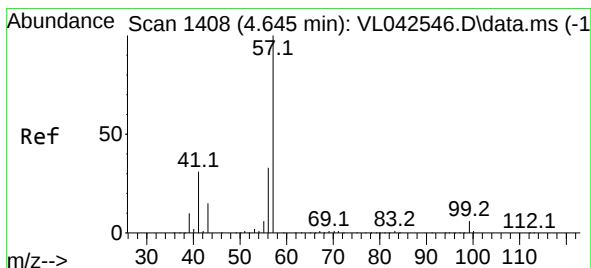
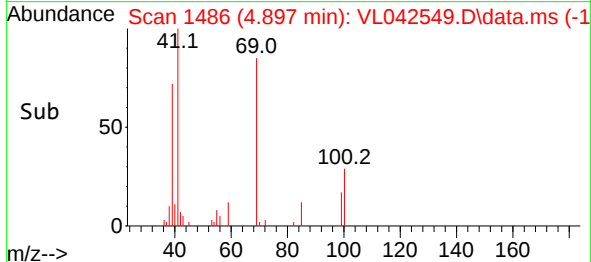
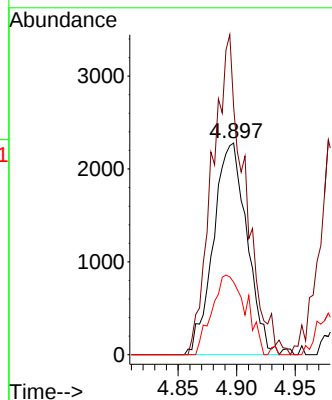
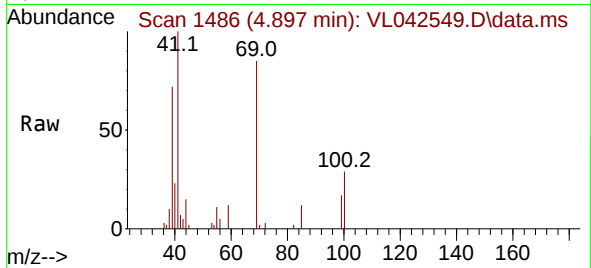
#43
Methyl Methacrylate
Concen: 0.417 ppbv m
RT: 4.897 min Scan# 1486
Delta R.T. 0.010 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 69 Resp: 455
Ion Ratio Lower Upper
69 100
41 145.6 107.8 161.8
100 38.7 30.3 45.5

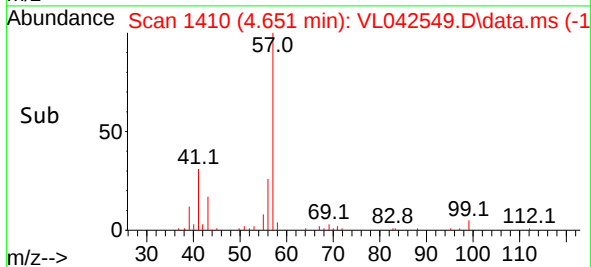
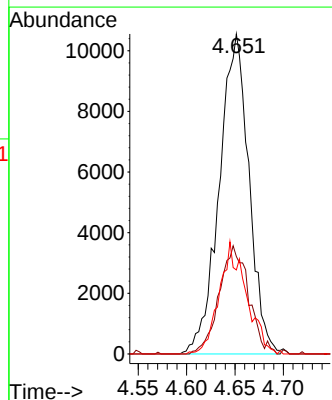
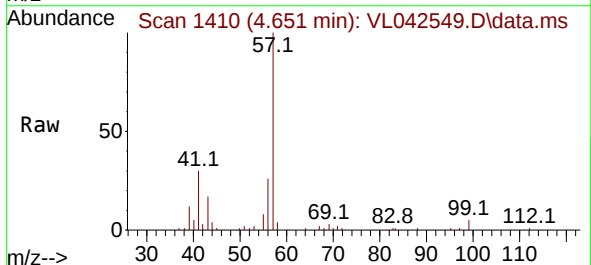
Manual Integrations
APPROVED

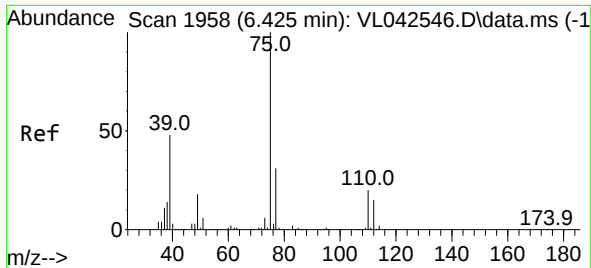
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#44
2,2,4-Trimethylpentane
Concen: 0.457 ppbv
RT: 4.651 min Scan# 1410
Delta R.T. 0.006 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

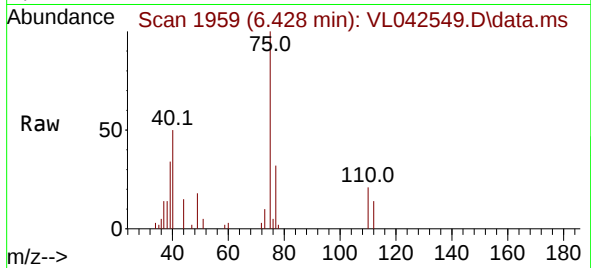
Tgt Ion: 57 Resp: 22539
Ion Ratio Lower Upper
57 100
41 33.8 25.0 37.4
56 31.9 25.1 37.7





#45
t-1,3-Dichloropropene
Concen: 0.427 ppbv m
RT: 6.428 min Scan# 1958
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

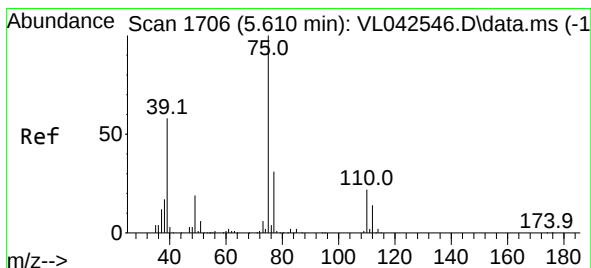
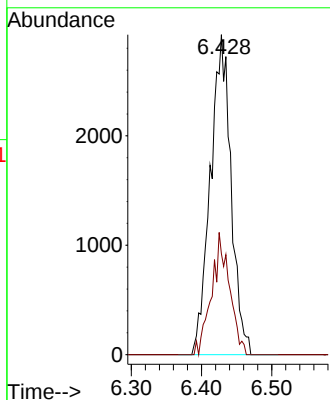
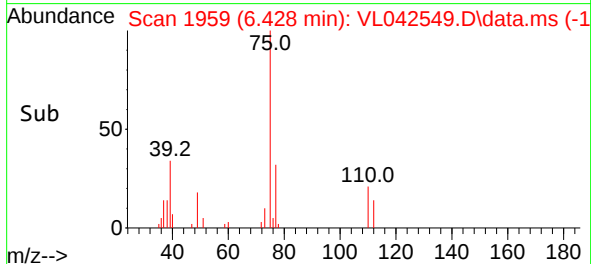
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 75 Resp: 5958
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0

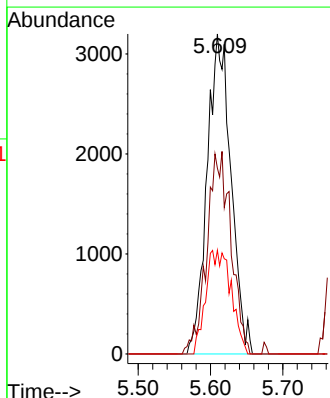
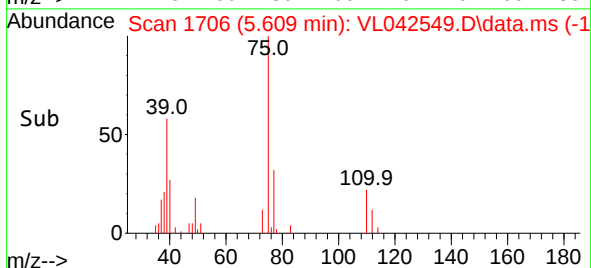
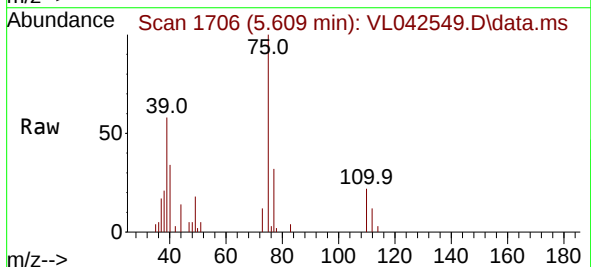
Manual Integrations
APPROVED

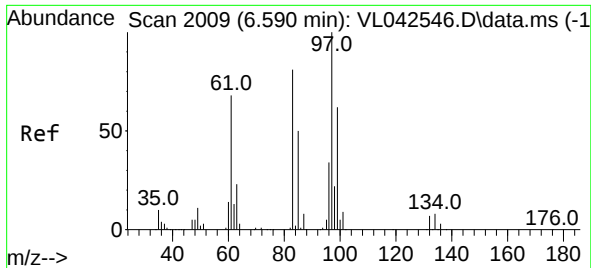
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#46
cis-1,3-Dichloropropene
Concen: 0.433 ppbv m
RT: 5.609 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

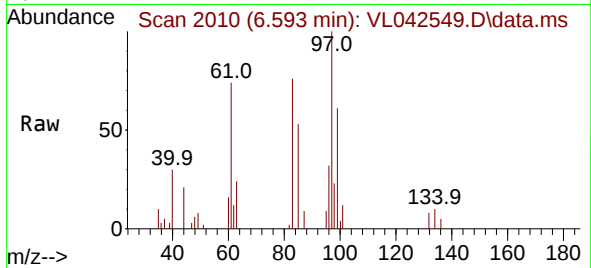
Tgt Ion: 75 Resp: 7327
Ion Ratio Lower Upper
75 100
39 58.1 46.3 69.5
77 32.4 25.0 37.6





#47
1,1,2-Trichloroethane
Concen: 0.497 ppbv m
RT: 6.593 min Scan# 2009
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

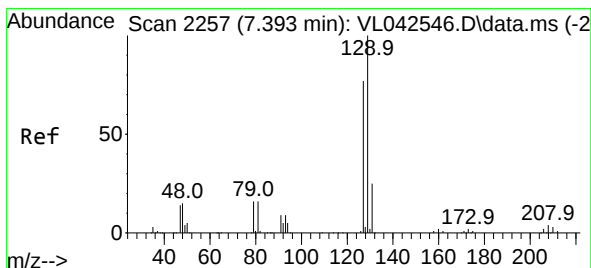
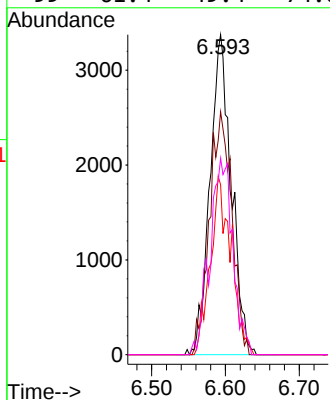
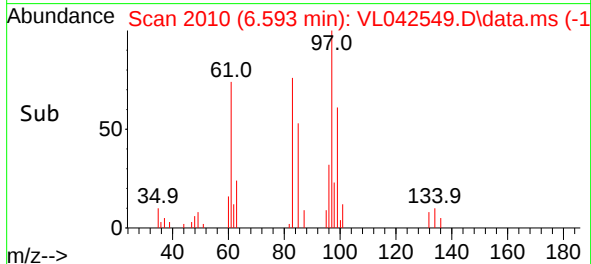


Tgt Ion: 97 Resp: 6750

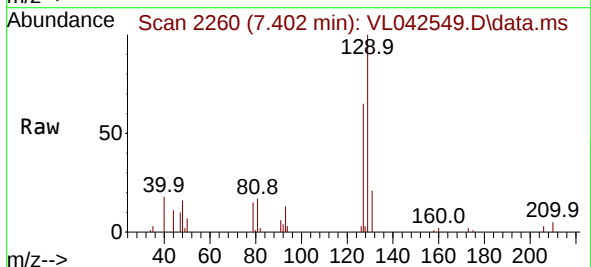
Ion	Ratio	Lower	Upper
97	100		
83	75.9	65.0	97.4
85	53.1	39.9	59.9
99	61.4	49.4	74.0

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

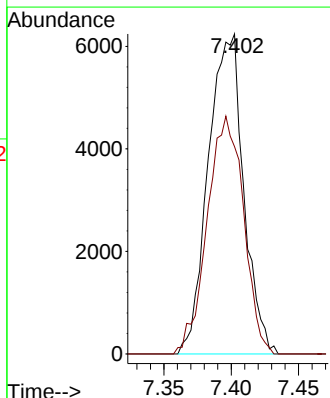
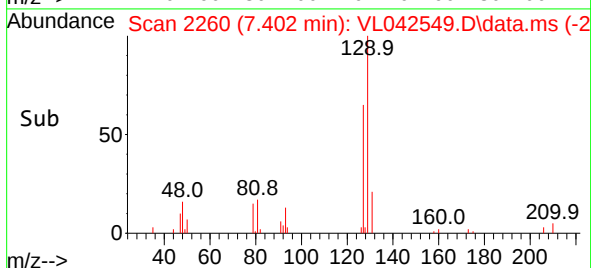


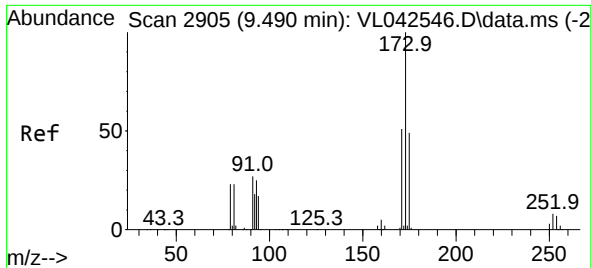
#48
Dibromochloromethane
Concen: 0.485 ppbv
RT: 7.402 min Scan# 2260
Delta R.T. 0.010 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50



Tgt Ion:129 Resp: 11385

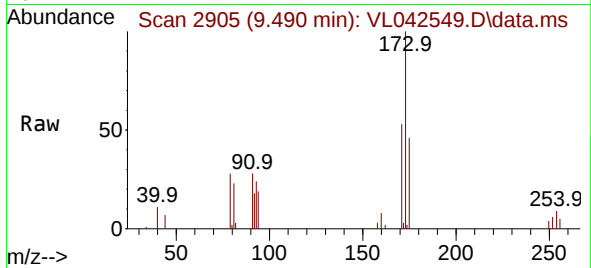
Ion	Ratio	Lower	Upper
129	100		
127	76.4	39.0	117.0





#49
Bromoform
Concen: 0.450 ppbv
RT: 9.490 min Scan# 2905
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

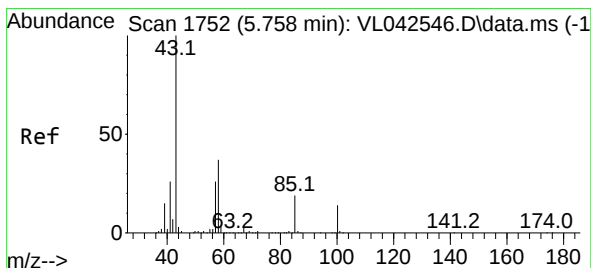
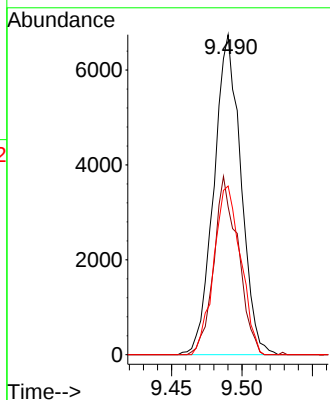
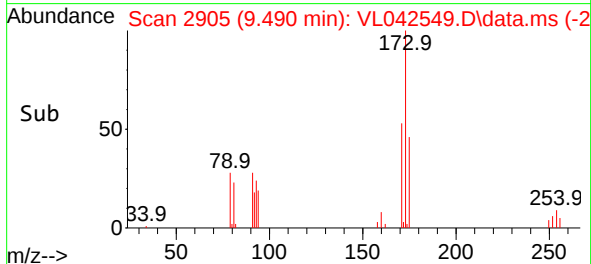
Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5



Tgt Ion: 173 Resp: 901
Ion Ratio Lower Upper
173 100
175 50.2 39.2 58.8
171 52.6 41.9 62.9

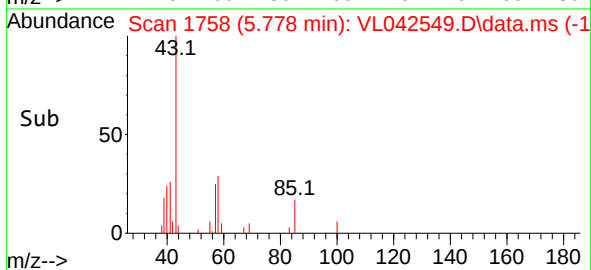
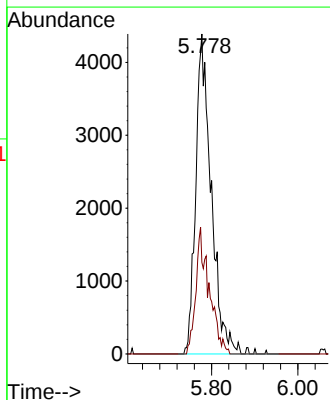
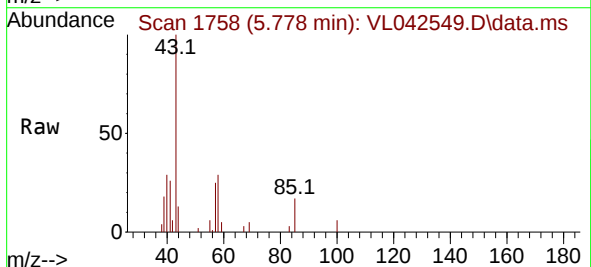
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APPROVED

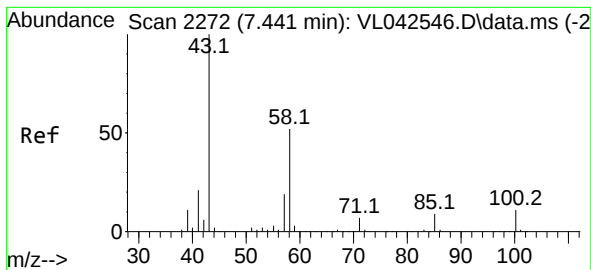
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#50
4-Methyl-2-Pentanone
Concen: 0.430 ppbv m
RT: 5.778 min Scan# 1758
Delta R.T. 0.019 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

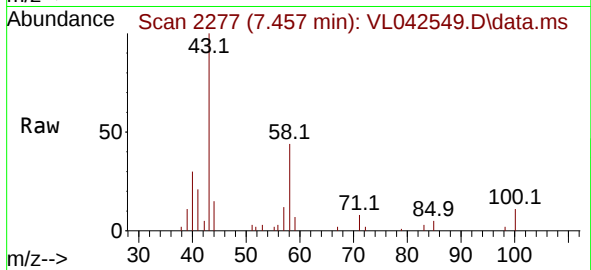
Tgt Ion: 43 Resp: 10889
Ion Ratio Lower Upper
43 100
58 34.2 30.0 45.0





#51
2-Hexanone
Concen: 0.382 ppbv m
RT: 7.457 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

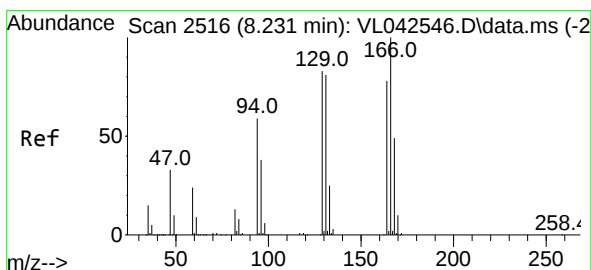
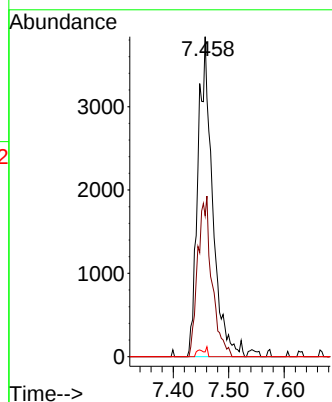
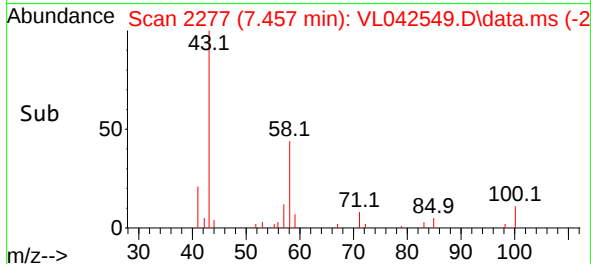
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 43 Resp: 712
Ion Ratio Lower Upper
43 100
58 0.0 41.4 62.2
98 0.0 0.4 0.6

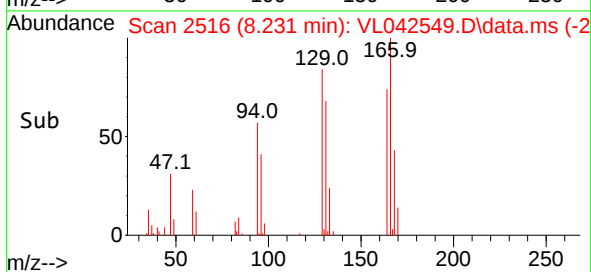
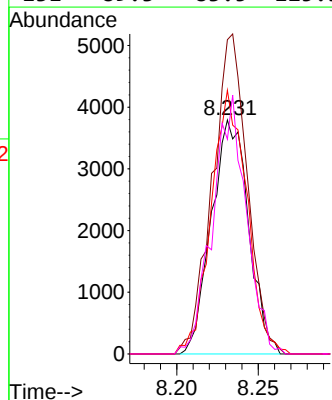
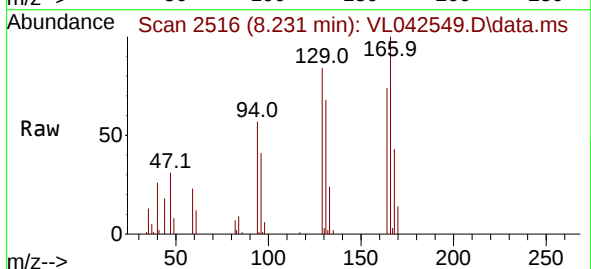
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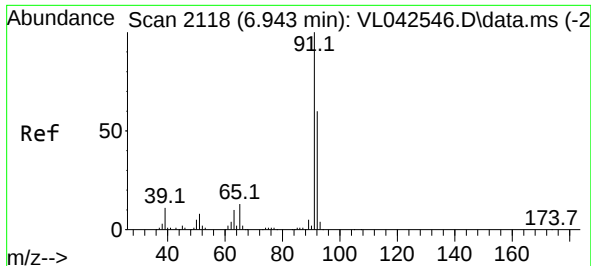
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#52
Tetrachloroethene
Concen: 0.477 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

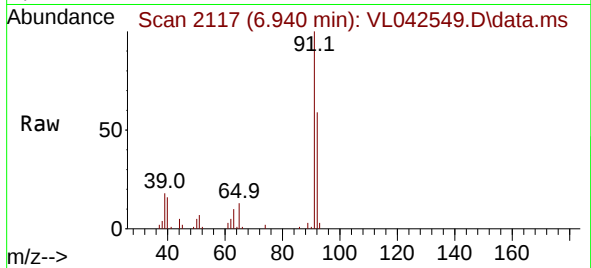
Tgt Ion:164 Resp: 6006
Ion Ratio Lower Upper
164 100
166 132.3 103.1 154.7
129 110.7 85.3 127.9
131 89.3 83.5 125.3





#53
Toluene
Concen: 0.430 ppbv m
RT: 6.940 min Scan# 2118
Delta R.T. -0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

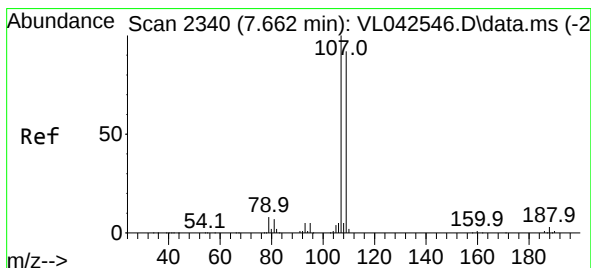
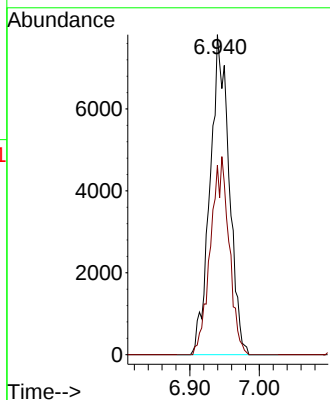
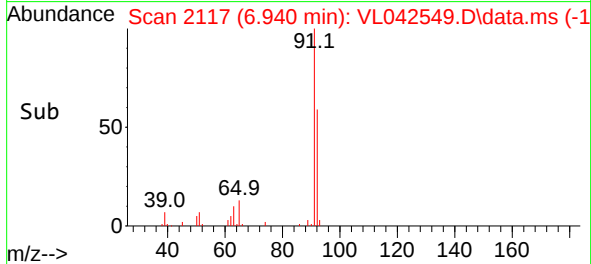
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



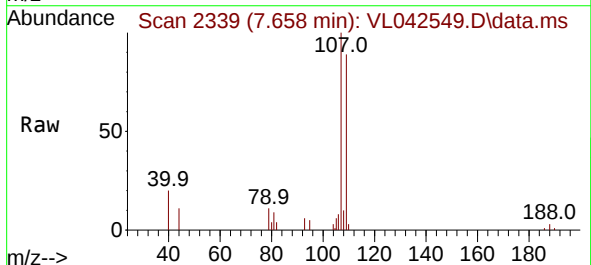
Tgt Ion: 91 Resp: 14830
Ion Ratio Lower Upper
91 100
92 0.0 47.8 71.8

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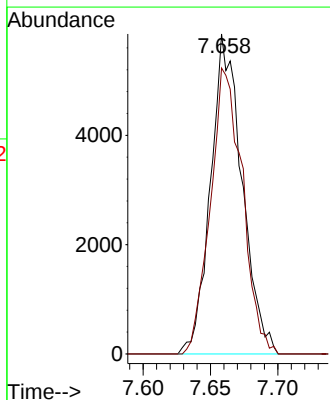
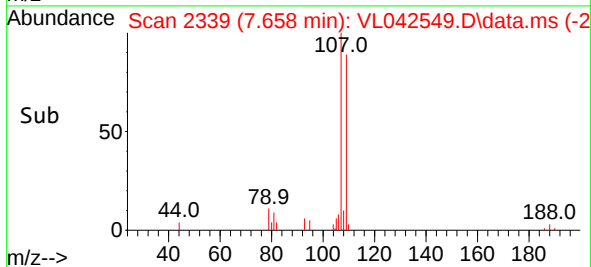
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

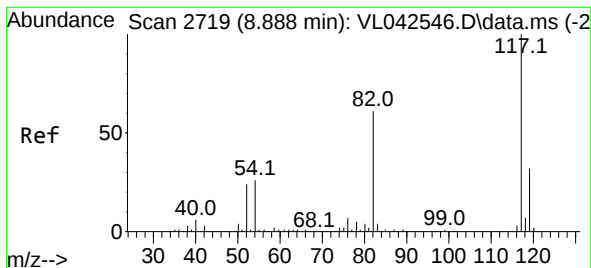


#54
1,2-Dibromoethane
Concen: 0.480 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. -0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50



Tgt Ion:107 Resp: 9474
Ion Ratio Lower Upper
107 100
109 89.3 73.4 110.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. -0.000 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:117 Resp: 34738

Ion Ratio Lower Upper

117 100

82 62.2 51.0 76.4

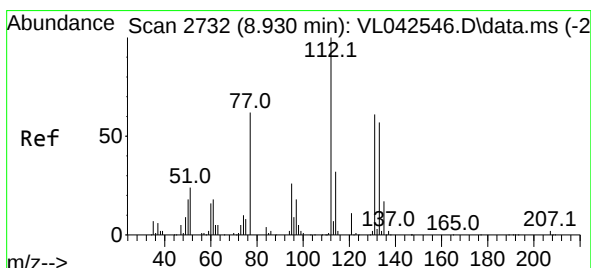
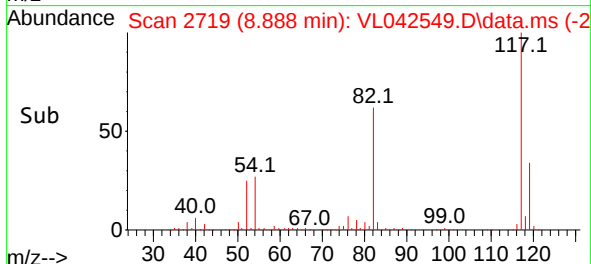
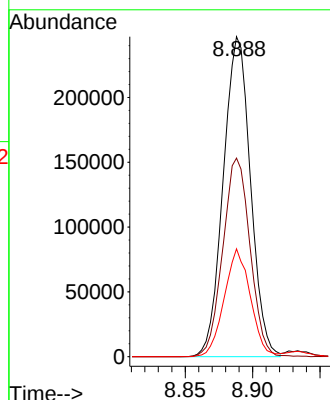
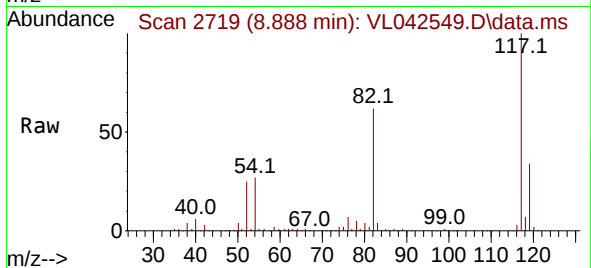
119 33.8 27.0 40.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/21/2025

Supervised By :Mahesh Dadoda 05/21/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 0.506 ppbv

RT: 8.933 min Scan# 2733

Delta R.T. 0.003 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

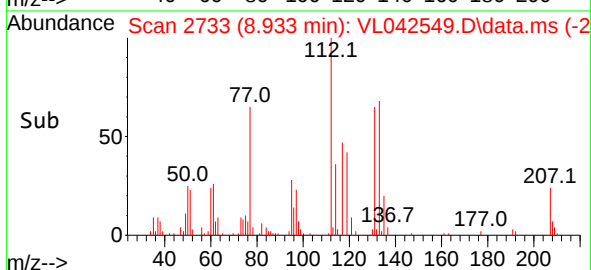
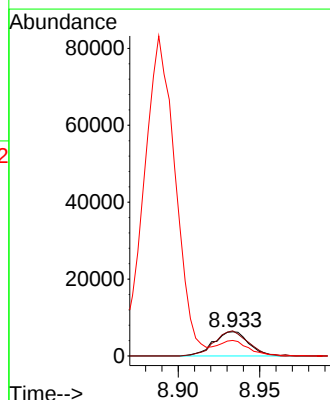
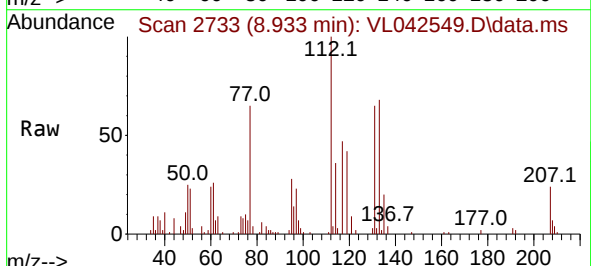
Tgt Ion:131 Resp: 9373

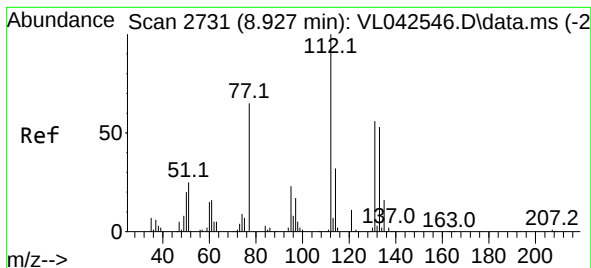
Ion Ratio Lower Upper

131 100

133 101.2 76.3 114.5

119 1253.6 47.5 71.3#





#57

Chlorobenzene

Concen: 0.511 ppbv

RT: 8.930 min Scan# 2731

Delta R.T. 0.003 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

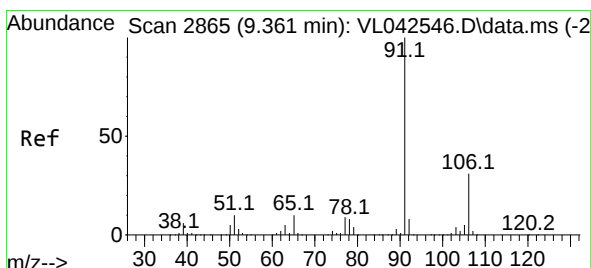
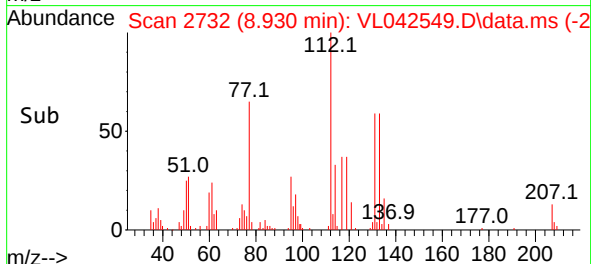
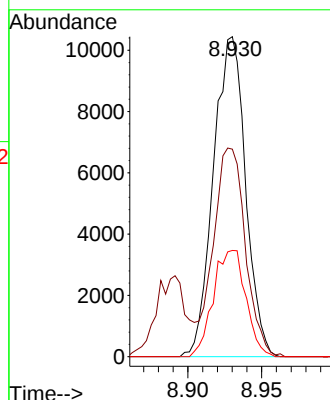
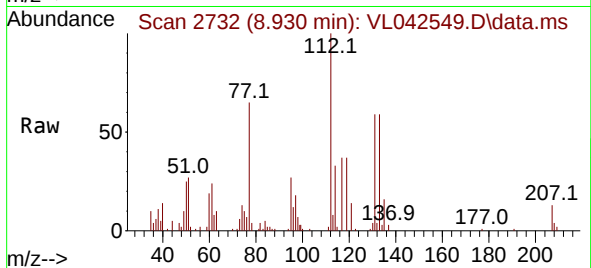
VSTDIC0.5

Tgt Ion:	112	Resp:	15810
Ion Ratio	Lower	Upper	
112	100		
77	63.9	53.2	79.8
114	35.6	28.4	34.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#58

Ethyl Benzene

Concen: 0.397 ppbv

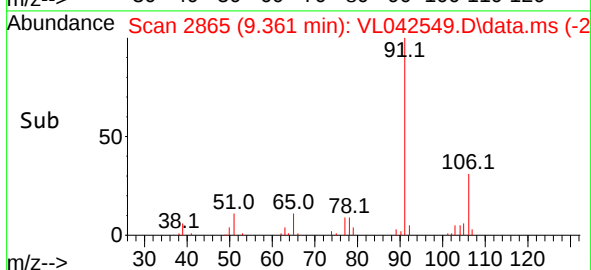
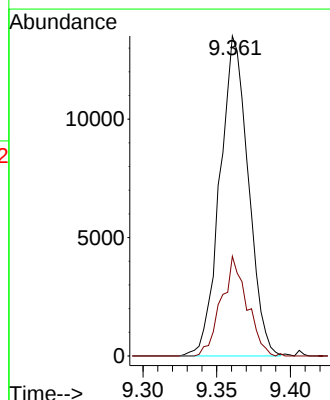
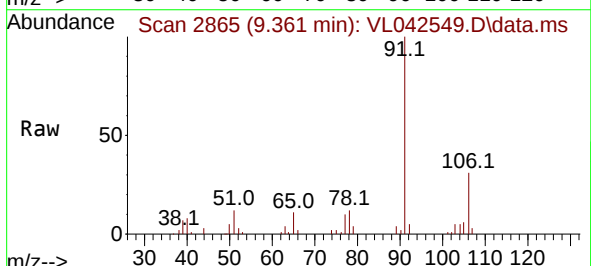
RT: 9.361 min Scan# 2865

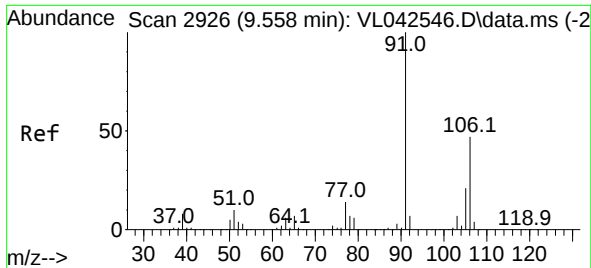
Delta R.T. -0.000 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Tgt Ion:	91	Resp:	18066
Ion Ratio	Lower	Upper	
91	100		
106	31.1	24.6	37.0





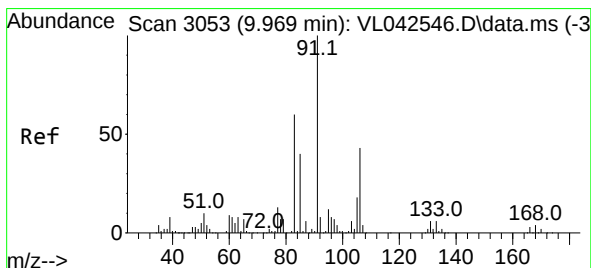
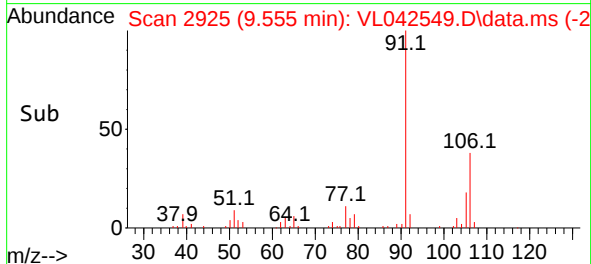
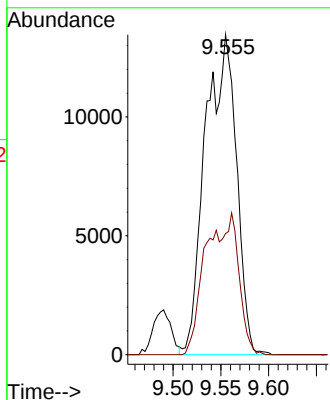
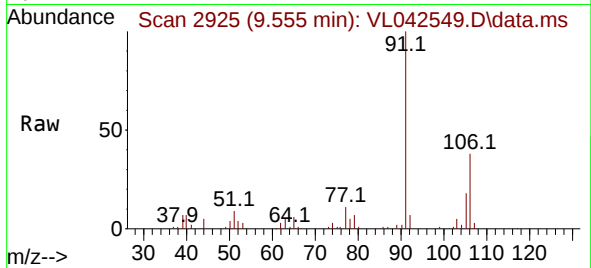
#59
m/p-Xylene
Concen: 0.786 ppbv m
RT: 9.555 min Scan# 2926
Delta R.T. -0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 30500
Ion Ratio Lower Upper
91 100
106 46.7 37.1 55.7

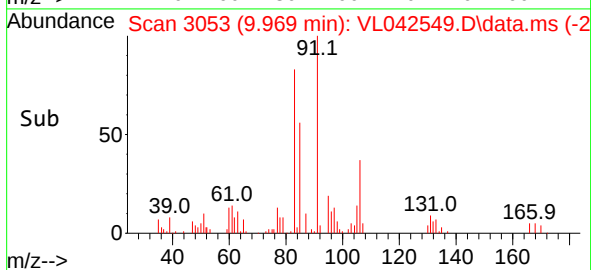
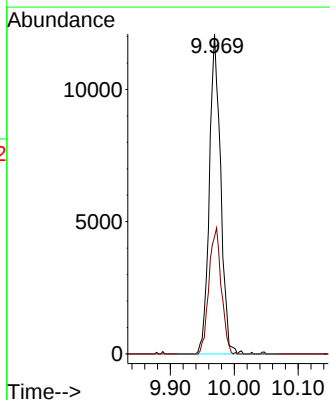
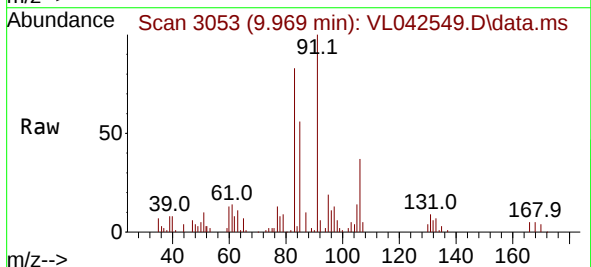
Manual Integrations
APPROVED

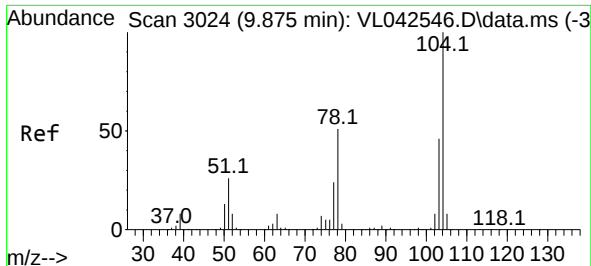
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#60
o-Xylene
Concen: 0.386 ppbv m
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Tgt Ion: 91 Resp: 14836
Ion Ratio Lower Upper
91 100
106 43.1 21.6 64.8





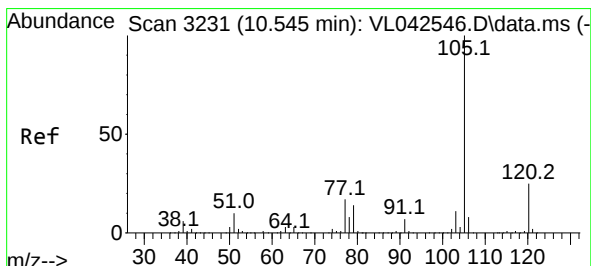
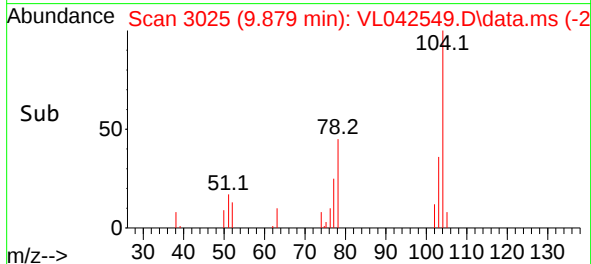
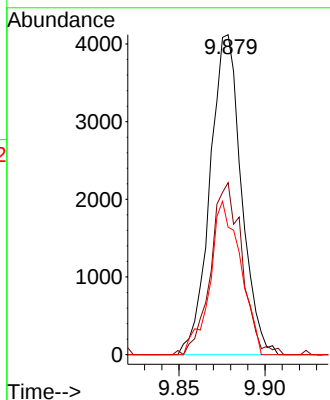
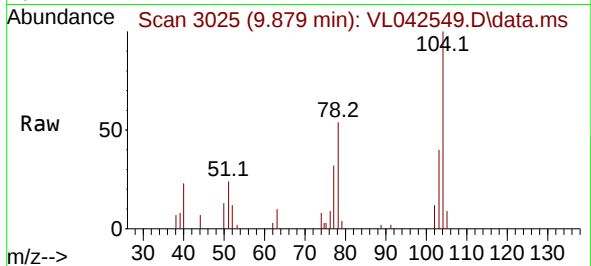
#61
Styrene
Concen: 0.355 ppbv
RT: 9.879 min Scan# 3024
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.5

Tgt Ion:104 Resp: 522
Ion Ratio Lower Upper
104 100
78 53.5 39.2 58.8
103 46.6 37.1 55.7

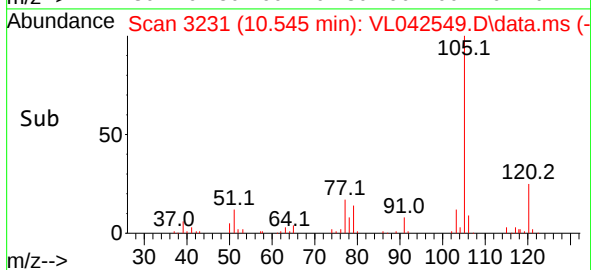
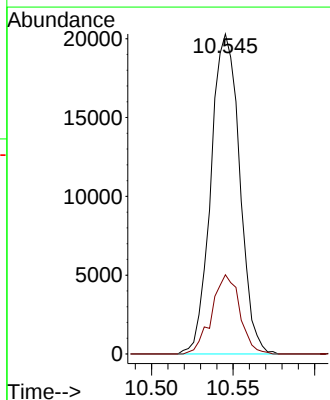
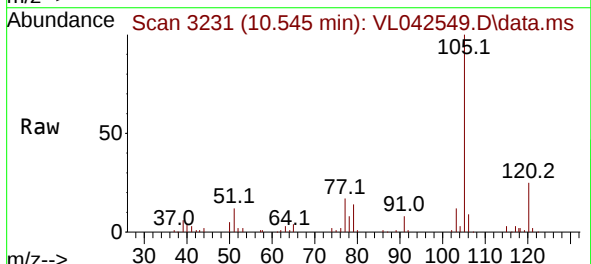
Manual Integrations
APPROVED

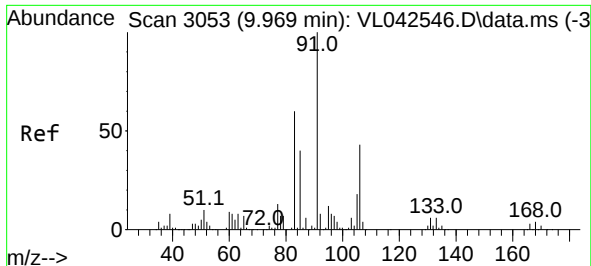
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#62
Isopropylbenzene
Concen: 0.423 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

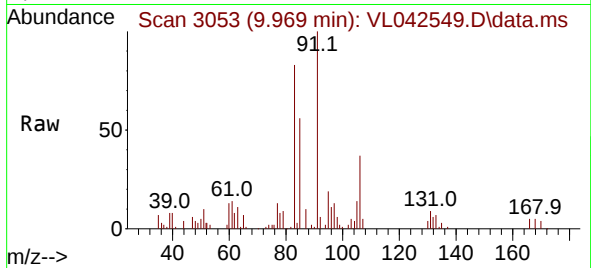
Tgt Ion:105 Resp: 24889
Ion Ratio Lower Upper
105 100
120 24.1 20.0 30.0





#63
1,1,2,2-Tetrachloroethane
Concen: 0.497 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

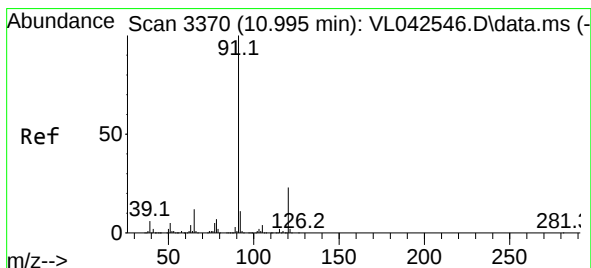
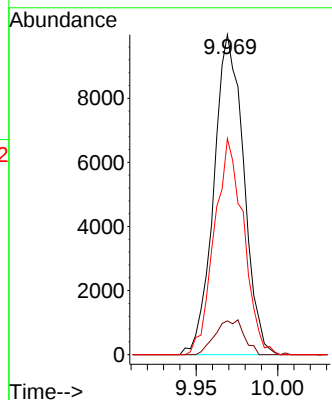
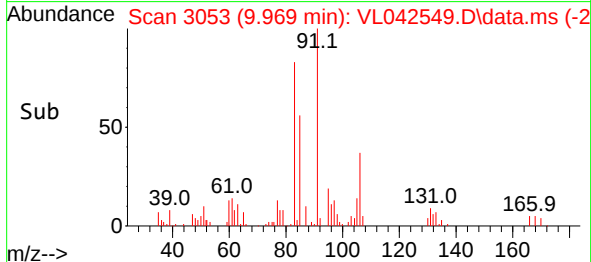
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



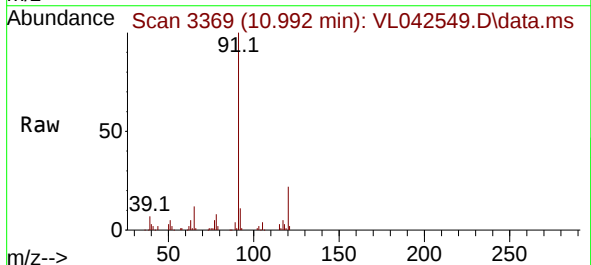
Tgt Ion: 83 Resp: 1269
Ion Ratio Lower Upper
83 100
131 10.5 5.1 15.3
85 66.1 32.5 97.4

Manual Integrations
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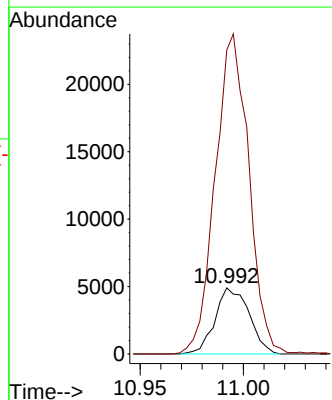
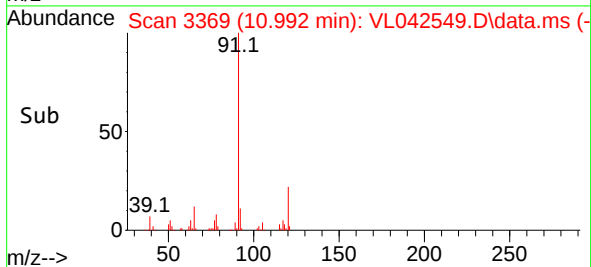
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

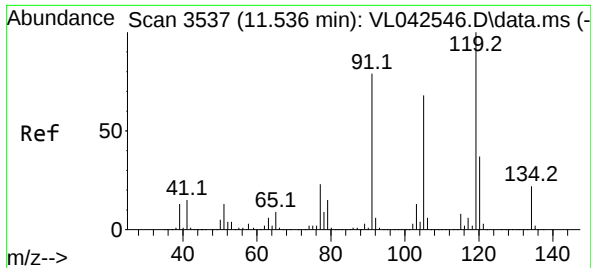


#64
n-propylbenzene
Concen: 0.383 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. -0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50



Tgt Ion:120 Resp: 5620
Ion Ratio Lower Upper
120 100
91 479.7 367.0 550.4





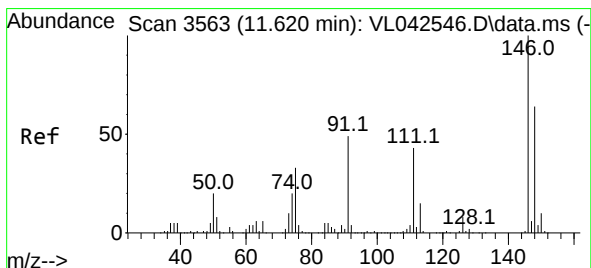
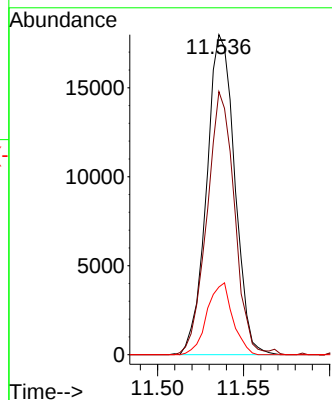
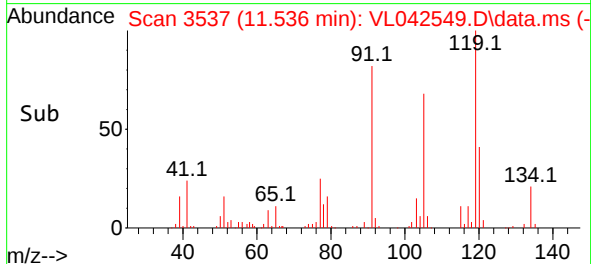
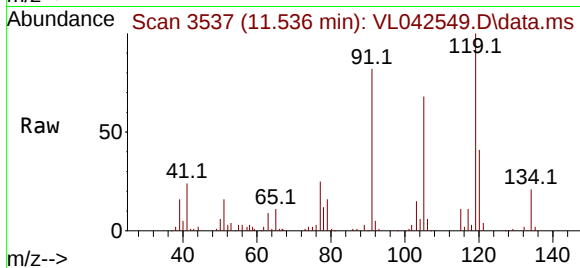
#65
tert-Butylbenzene
Concen: 0.386 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 119 Resp: 20430
Ion Ratio Lower Upper
119 100
91 80.7 62.7 94.1
134 20.4 16.8 25.2

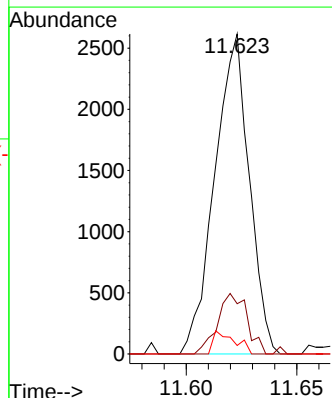
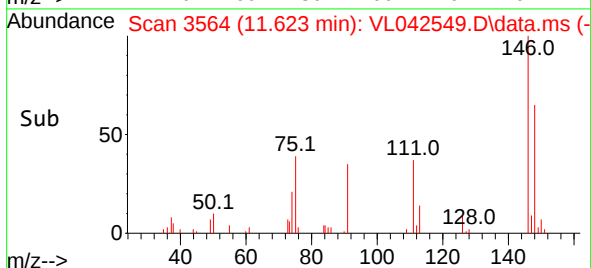
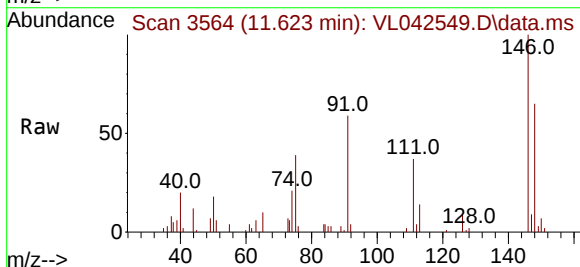
Manual Integrations
APPROVED

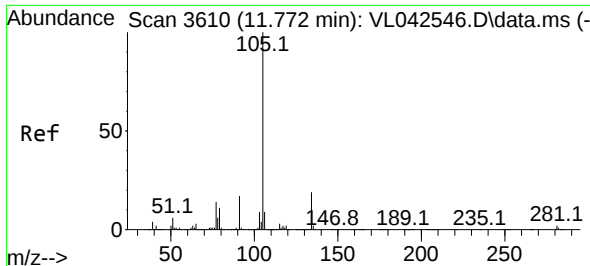
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#66
Benzyl Chloride
Concen: 0.429 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

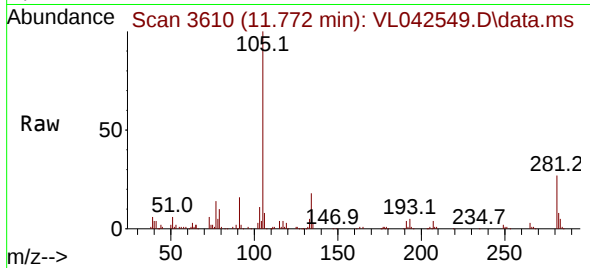
Tgt Ion: 91 Resp: 2838
Ion Ratio Lower Upper
91 100
126 16.6 14.2 21.2
128 4.5 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 0.420 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. -0.000 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

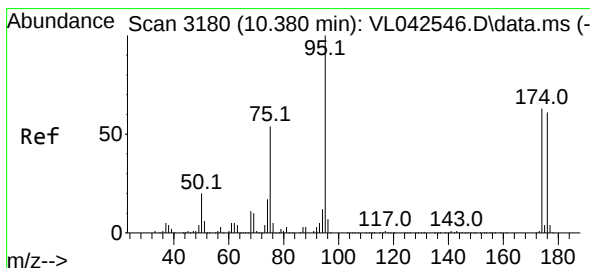
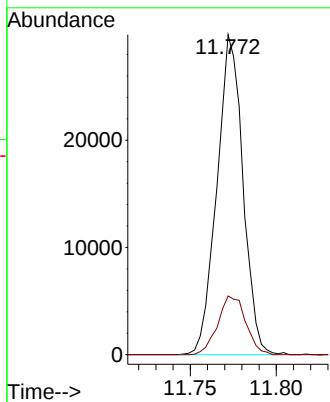
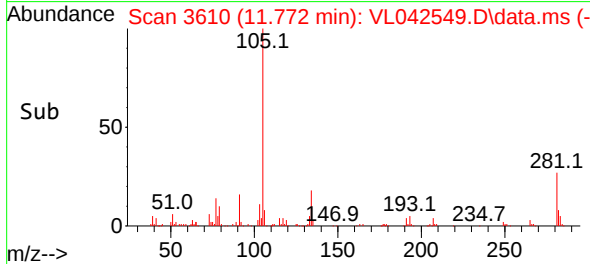
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:105 Resp: 31370
 Ion Ratio Lower Upper
 105 100
 134 19.7 15.4 23.2

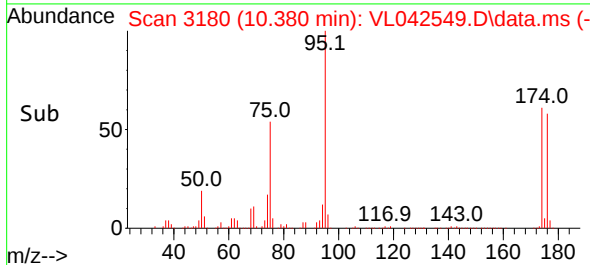
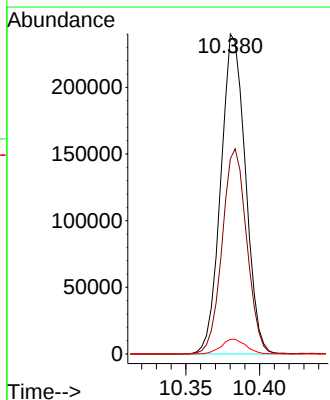
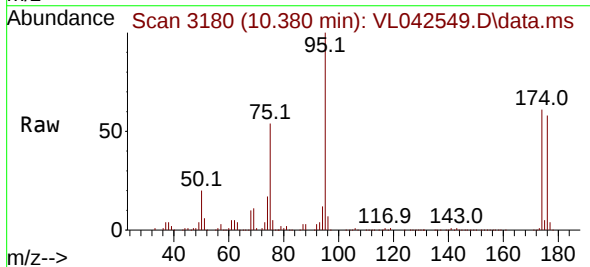
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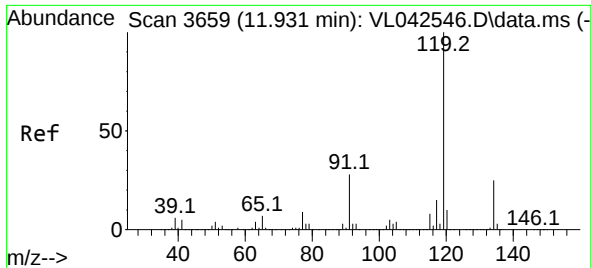
Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.021 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. -0.000 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

Tgt Ion: 95 Resp: 278604
 Ion Ratio Lower Upper
 95 100
 174 64.3 52.0 78.0
 175 4.7 3.8 5.6





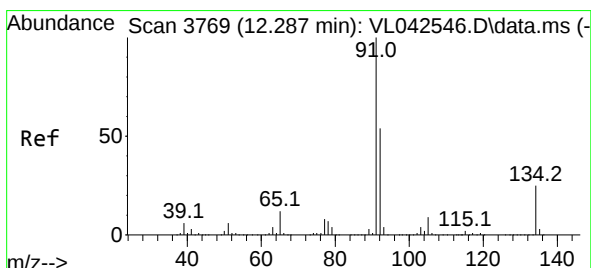
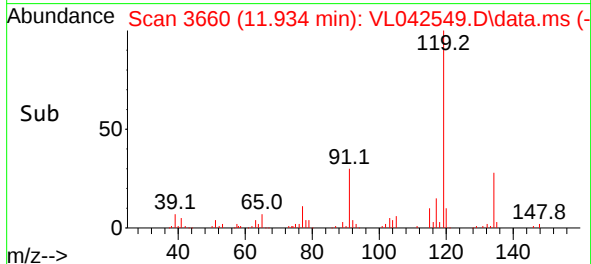
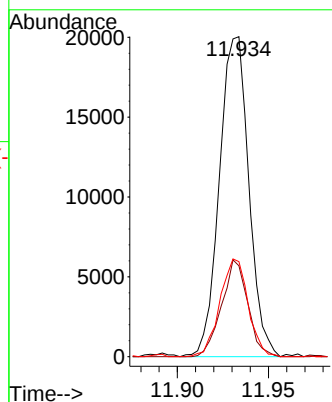
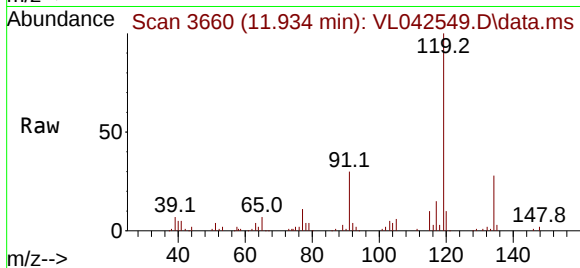
#69
p-Isopropyltoluene
Concen: 0.364 ppbv
RT: 11.934 min Scan# 3660
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:119 Resp: 22462
Ion Ratio Lower Upper
119 100
134 26.8 20.1 30.1
91 29.7 22.3 33.5

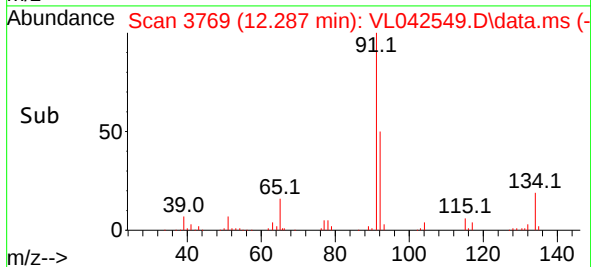
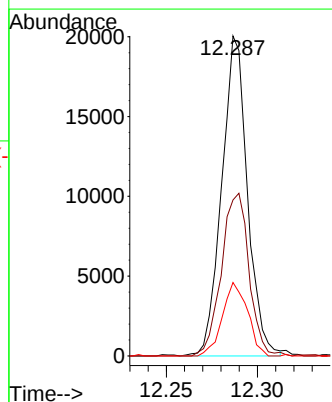
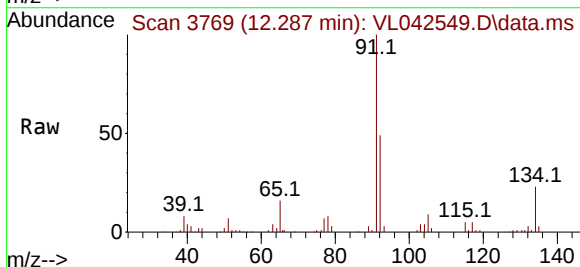
Manual Integrations
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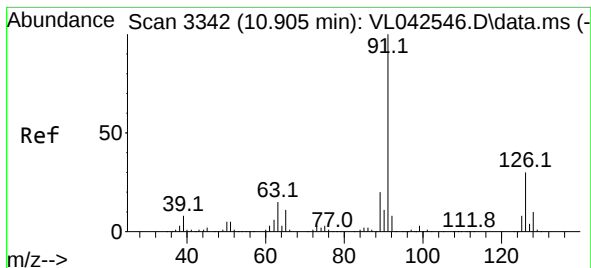
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#70
n-Butylbenzene
Concen: 0.336 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Tgt Ion: 91 Resp: 19614
Ion Ratio Lower Upper
91 100
92 55.0 43.8 65.6
134 22.6 19.7 29.5





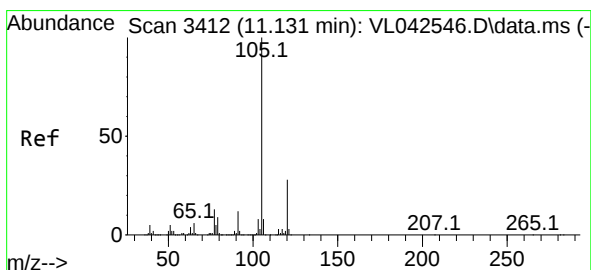
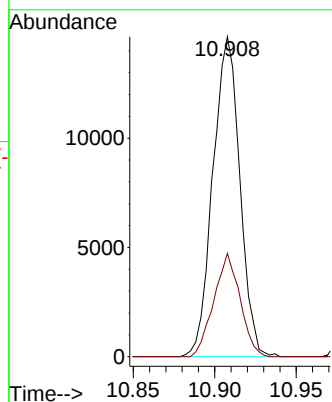
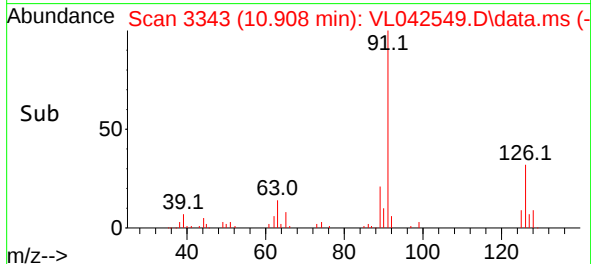
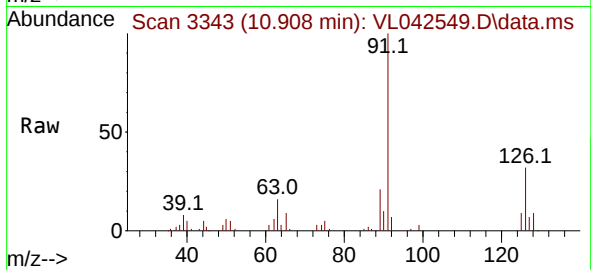
#71
2-Chlorotoluene
Concen: 0.397 ppbv
RT: 10.908 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 16834
Ion Ratio Lower Upper
91 100
126 31.4 12.4 49.4

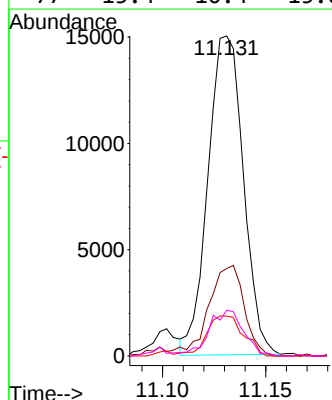
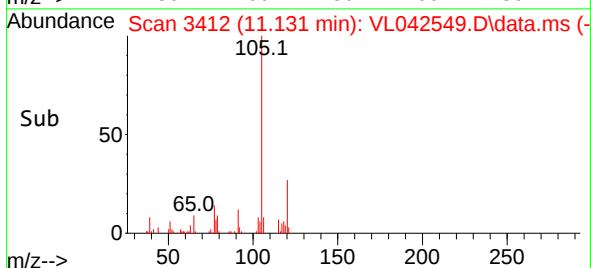
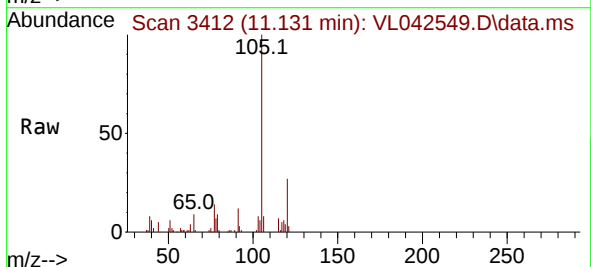
Manual Integrations
APPROVED

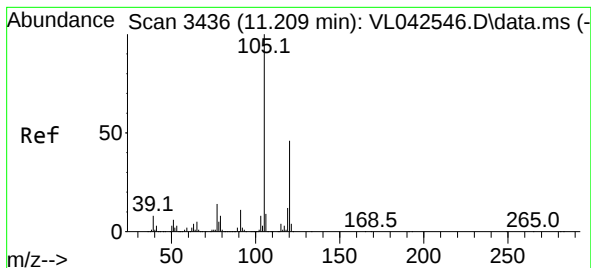
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#72
4-Ethyltoluene
Concen: 0.377 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Tgt Ion:105 Resp: 17908
Ion Ratio Lower Upper
105 100
120 29.9 23.4 35.0
91 13.7 10.2 15.4
77 15.4 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 0.391 ppbv

RT: 11.209 min Scan# 3436

Delta R.T. -0.000 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

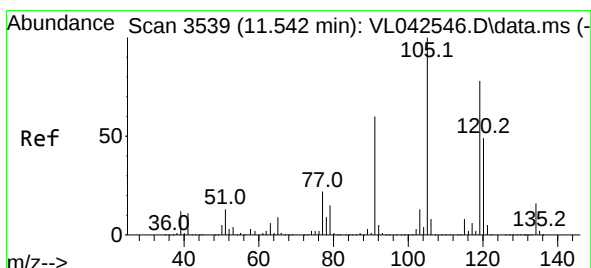
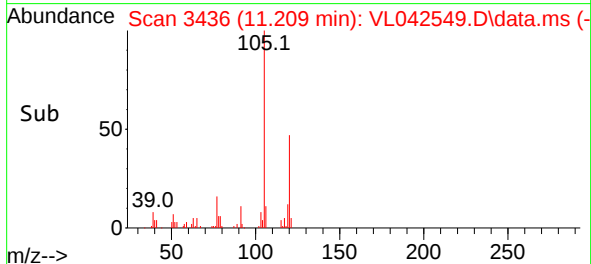
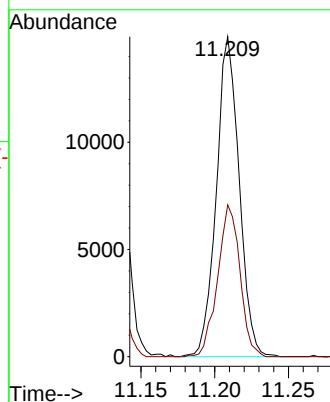
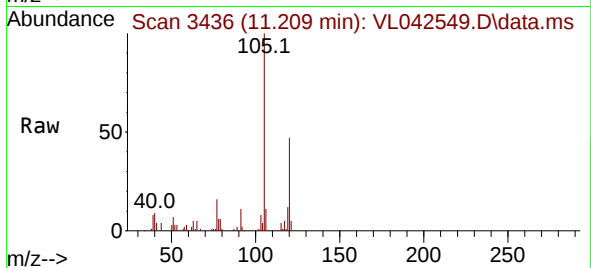
VSTDICC0.5

Tgt Ion:105 Resp: 16084
 Ion Ratio Lower Upper
 105 100
 120 47.4 36.5 54.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.407 ppbv

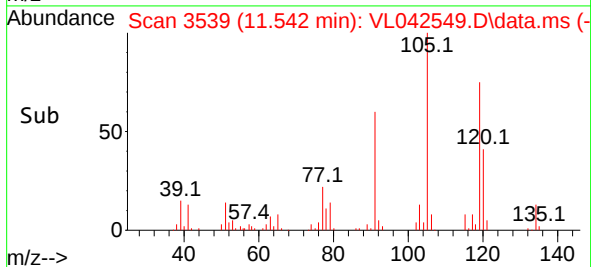
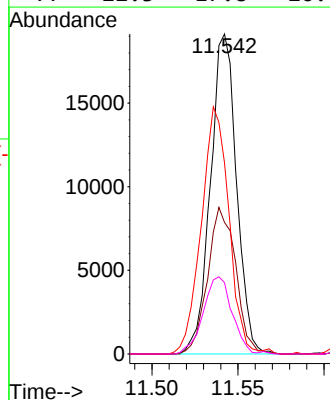
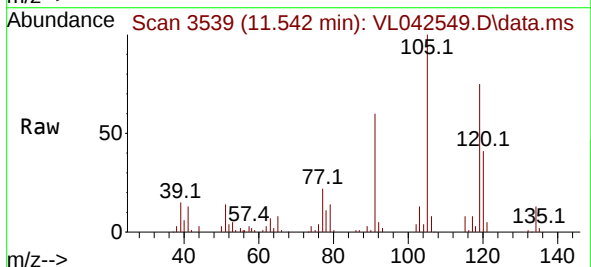
RT: 11.542 min Scan# 3539

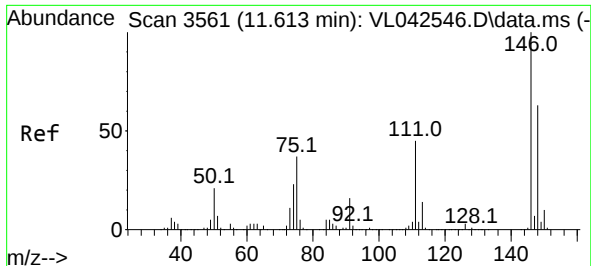
Delta R.T. -0.000 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

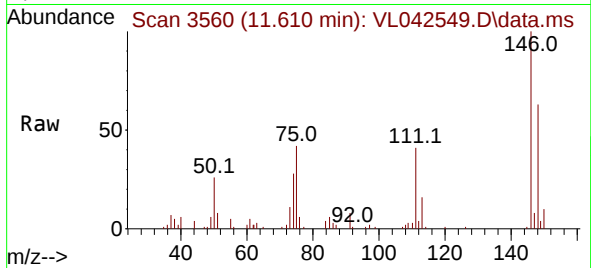
Tgt Ion:105 Resp: 20184
 Ion Ratio Lower Upper
 105 100
 120 41.1 39.4 59.0
 91 59.7 47.8 71.8
 77 22.3 17.8 26.6





#75
1,3-Dichlorobenzene
Concen: 0.462 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

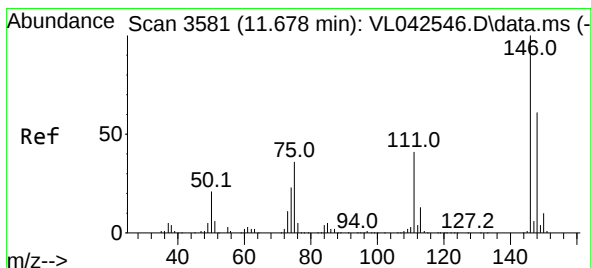
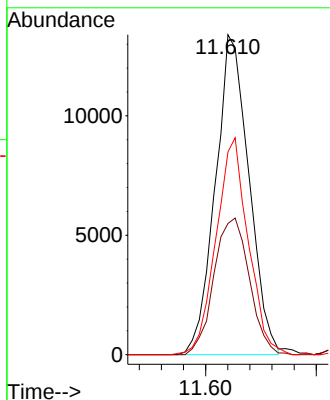
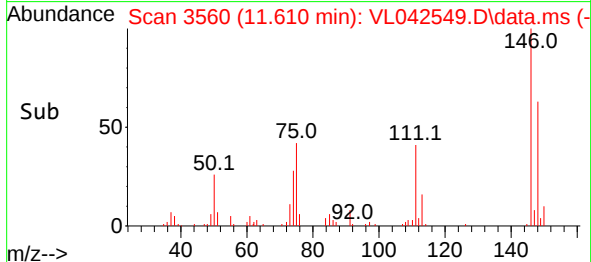
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



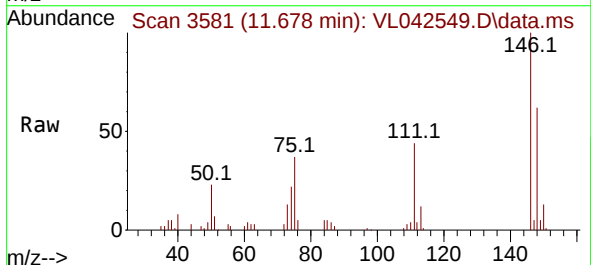
Tgt Ion:146 Resp: 1411
Ion Ratio Lower Upper
146 100
111 45.0 22.8 68.4
148 65.0 31.6 94.8

Manual Integrations
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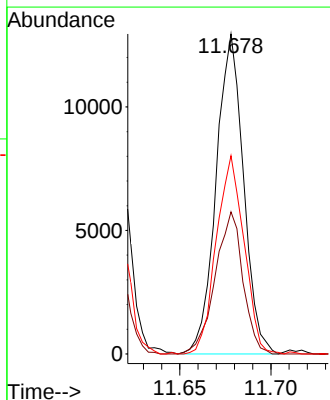
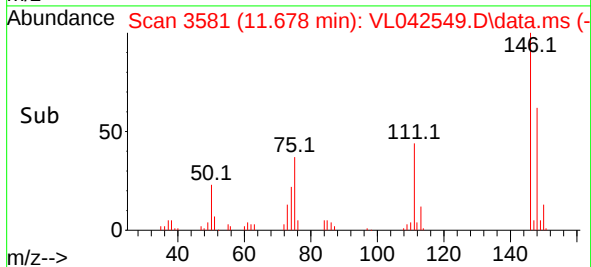
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

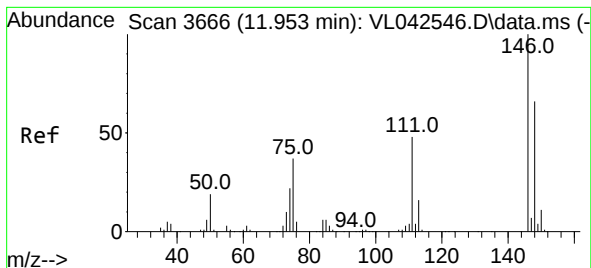


#76
1,4-Dichlorobenzene
Concen: 0.456 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50



Tgt Ion:146 Resp: 13548
Ion Ratio Lower Upper
146 100
111 44.9 21.8 65.3
148 62.9 31.4 94.3





#77

1,2-Dichlorobenzene

Concen: 0.491 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. -0.000 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

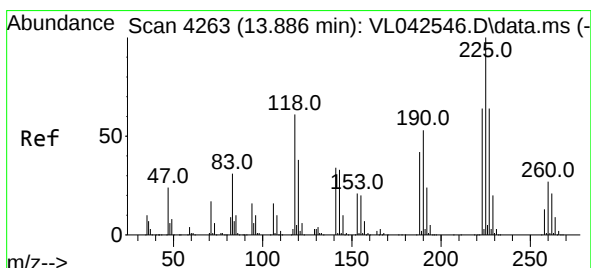
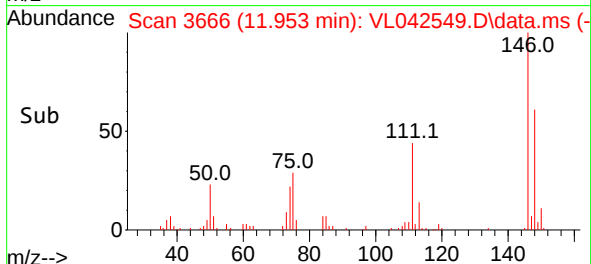
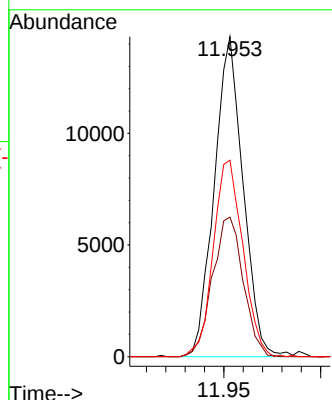
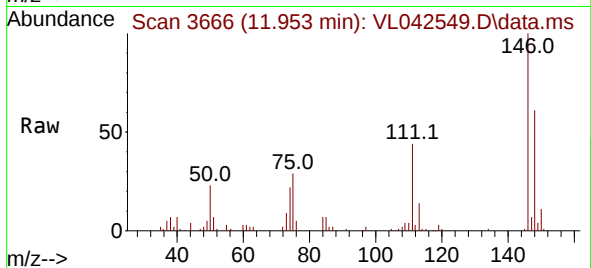
VSTDIC0.5

Tgt Ion:	146	Resp:	1480
Ion Ratio	Lower	Upper	
146	100		
111	46.6	23.7	71.1
148	63.2	32.3	96.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#78

Hexachloro-1,3-Butadiene

Concen: 0.520 ppbv

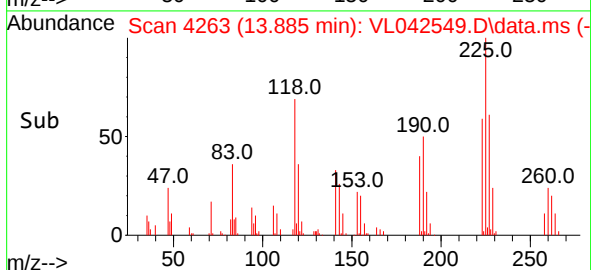
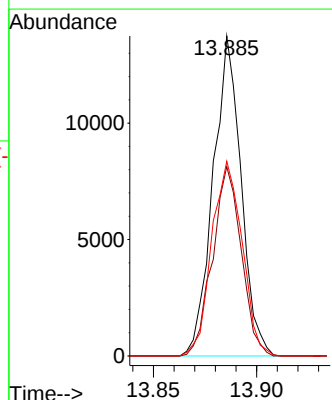
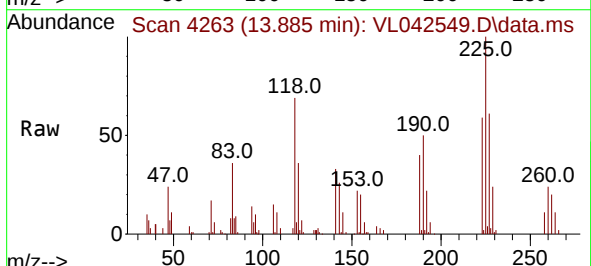
RT: 13.885 min Scan# 4263

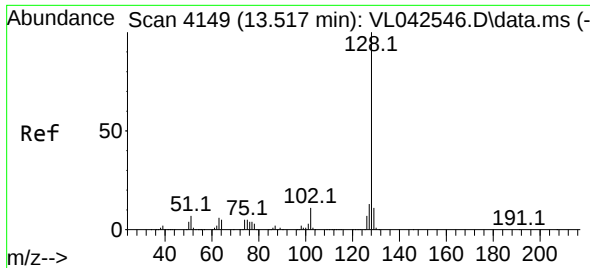
Delta R.T. -0.000 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

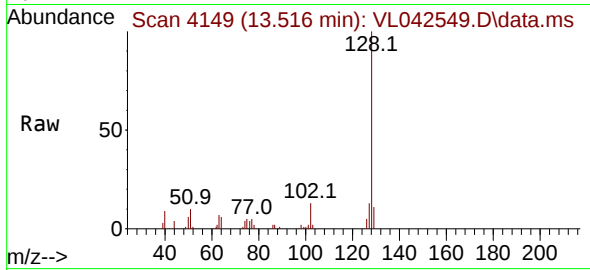
Tgt Ion:	225	Resp:	12950
Ion Ratio	Lower	Upper	
225	100		
223	60.7	51.0	76.6
227	66.1	50.2	75.4





#79
Naphthalene
Concen: 0.303 ppbv
RT: 13.516 min Scan# 4149
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

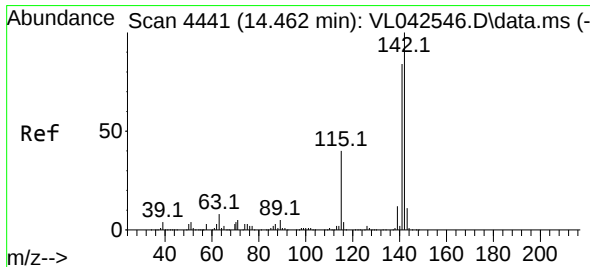
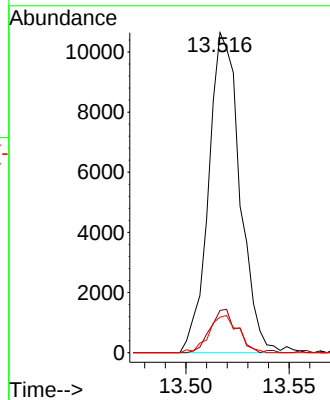
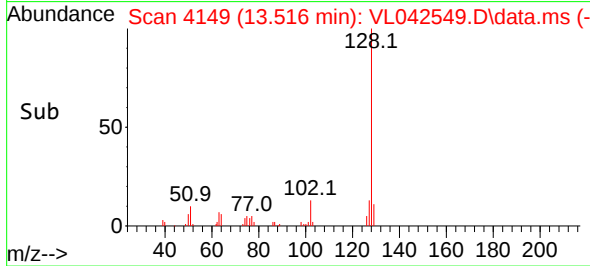
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



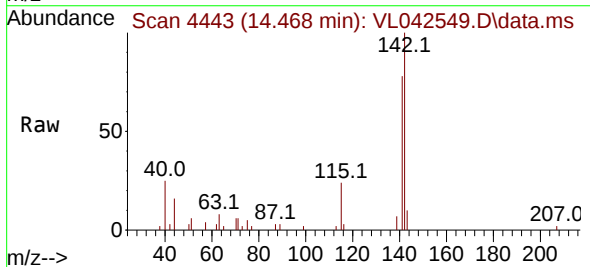
Tgt Ion:128 Resp: 11230
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.1 9.0 13.4

Manual Integrations
APPROVED

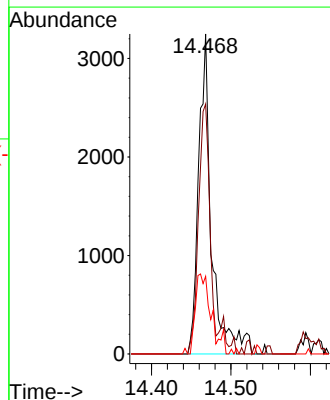
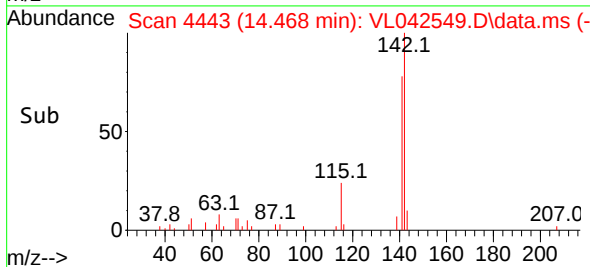
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

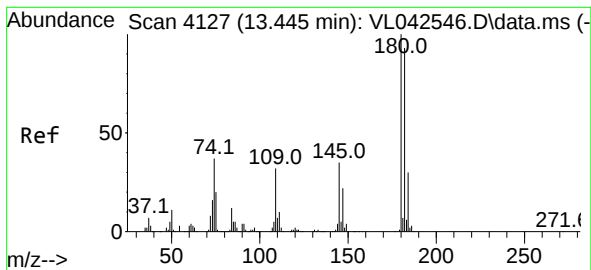


#80
Naphthalene,2-methyl-
Concen: 0.193 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. 0.006 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50



Tgt Ion:142 Resp: 3696
Ion Ratio Lower Upper
142 100
141 76.6 67.4 101.0
115 30.8 31.5 47.3#





#81

1,2,4-Trichlorobenzene

Concen: 0.322 ppbv

RT: 13.445 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042549.D

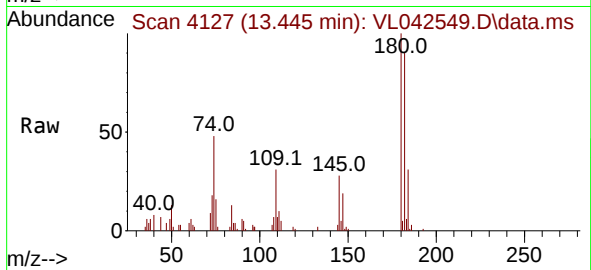
Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5



Tgt Ion:180 Resp: 718

Ion Ratio Lower Upper

180 100

182 91.2 75.6 113.4

184 32.4 23.7 35.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/21/2025

Supervised By :Mahesh Dadoda 05/21/2025

