

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL093025\
 Data File : VL043017.D
 Acq On : 30 Sep 2025 08:30
 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 10/01/2025
 Supervised By : Mahesh Dadoda 10/03/2025

Quant Time: Sep 30 23:54:52 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL093025AIR.M

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

QLast Update : Tue Sep 30 23:54:02 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	155809	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	487391	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	437801	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 333296 10.050 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	13909	0.516	ppbv	96
3) Chlorodifluoromethane	1.476	51	15108	0.526	ppbv	97
4) Chloromethane	1.534	50	5368	0.524	ppbv	100
5) Vinyl Chloride	1.583	62	4651	0.469	ppbv	95
6) Bromomethane	1.670	94	1864	0.520	ppbv	83
7) Chloroethane	1.706	64	2143	0.541	ppbv	93
8) Dichlorotetrafluoroethane	1.557	85	11243	0.512	ppbv	100
9) Propene	1.486	41	5547	0.497	ppbv	93
10) Heptane	4.981	43	13352	0.464	ppbv	97
11) Trichlorofluoromethane	1.878	101	13591	0.500	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	10968	0.509	ppbv	95
14) Bromoethene	1.784	108	4217	0.525	ppbv #	95
15) Acetone	1.839	43	13824	0.622	ppbv	92
16) 1,3-Butadiene	1.612	39	5421	0.576	ppbv	98
17) tert-Butyl alcohol	2.043	59	14709	0.593	ppbv	96
18) 1,1-Dichloroethene	2.036	96	5109	0.528	ppbv	94
19) Isopropyl Alcohol	1.887	45	7646	0.585	ppbv #	72
20) Methylene Chloride	2.062	84	10046	0.534	ppbv	96
21) Allyl Chloride	2.098	41	7884	0.525	ppbv	93
22) trans-1,2-Dichloroethene	2.344	96	5663	0.517	ppbv	98
23) Vinyl Acetate	2.463	43	16379	0.534	ppbv #	96
24) 1,1-Dichloroethane	2.408	63	10419	0.505	ppbv	96
25) Ethyl Acetate	2.839	43	30124	0.532	ppbv	99
26) Hexane	2.826	57	18454	0.626	ppbv #	80
27) Carbon Disulfide	2.153	76	13476	0.520	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	7291	0.505	ppbv #	86
29) Chloroform	2.849	83	18387	0.501	ppbv	95
30) Cyclohexane	3.855	84	9649	0.475	ppbv	92
31) cis-1,2-Dichloroethene	2.722	61	11699	0.489	ppbv	98
32) 1,1,1-Trichloroethane	3.370	97	17760	0.478	ppbv	98
34) 2-Butanone	2.560	43	17316	0.505	ppbv	99
35) Carbon Tetrachloride	3.764	117	19034	0.481	ppbv	99
36) Benzene	3.658	78	24515	0.502	ppbv #	92
37) 1,2-Dichloroethane	3.221	62	14250	0.511	ppbv	100
38) Trichloroethene	4.548	130	12168	0.486	ppbv	92
39) 1,2-Dichloropropane	4.315	63	9342	0.521	ppbv	83
40) 1,4-Dioxane	4.603	88	3924	0.516	ppbv #	83
41) Tetrahydrofuran	3.062	42	8888	0.486	ppbv	97
42) Bromodichloromethane	4.489	83	19083	0.492	ppbv #	98
43) Methyl Methacrylate	4.884	69	7687	0.448	ppbv	95
44) 2,2,4-Trimethylpentane	4.645	57	39076m	0.486	ppbv	
45) t-1,3-Dichloropropene	6.415	75	9074m	0.465	ppbv	
46) cis-1,3-Dichloropropene	5.606	75	12321m	0.484	ppbv	

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Sep 30 23:54:52 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL093025AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Sep 30 23:54:02 2025

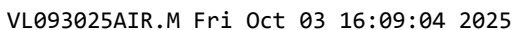
Response via : Initial Calibration

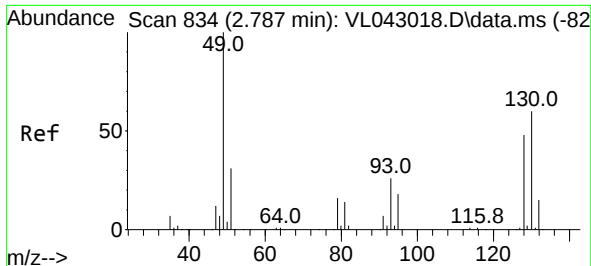
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	6.580	97	9148m	0.481	ppbv	
48) Dibromochloromethane	7.393	129	16213	0.494	ppbv	99
49) Bromoform	9.484	173	12975	0.466	ppbv	97
50) 4-Methyl-2-Pentanone	5.765	43	21364m	0.488	ppbv	
51) 2-Hexanone	7.445	43	14633	0.453	ppbv #	95
52) Tetrachloroethene	8.225	164	9039	0.464	ppbv	92
53) Toluene	6.933	91	26144	0.480	ppbv	99
54) 1,2-Dibromoethane	7.655	107	13088	0.493	ppbv	92
56) 1,1,1,2-Tetrachloroethane	8.924	131	12010	0.484	ppbv #	1
57) Chlorobenzene	8.924	112	22360	0.495	ppbv	97
58) Ethyl Benzene	9.357	91	35069	0.473	ppbv	97
59) m/p-Xylene	9.552	91	54003m	0.904	ppbv	
60) o-Xylene	9.966	91	26941	0.454	ppbv	98
61) Styrene	9.872	104	11039	0.439	ppbv	97
62) Isopropylbenzene	10.542	105	41095	0.465	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.966	83	15583	0.489	ppbv	98
64) n-propylbenzene	10.992	120	10663	0.463	ppbv	97
65) tert-Butylbenzene	11.532	119	36952	0.462	ppbv	98
66) Benzyl Chloride	11.613	91	3023	0.474	ppbv	97
67) sec-Butylbenzene	11.769	105	53153	0.476	ppbv	97
69) p-Isopropyltoluene	11.927	119	41409	0.446	ppbv	99
70) n-Butylbenzene	12.283	91	38473	0.429	ppbv	95
71) 2-Chlorotoluene	10.901	91	30635	0.465	ppbv	99
72) 4-Ethyltoluene	11.128	105	32889	0.451	ppbv	98
73) 1,3,5-Trimethylbenzene	11.206	105	28249	0.459	ppbv	99
74) 1,2,4-Trimethylbenzene	11.536	105	31726	0.457	ppbv	93
75) 1,3-Dichlorobenzene	11.607	146	21220	0.478	ppbv	100
76) 1,4-Dichlorobenzene	11.672	146	20481	0.472	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	21043	0.486	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	18149	0.524	ppbv	97
79) Naphthalene	13.513	128	23068m	0.421	ppbv	
80) Naphthalene,2-methyl-	14.462	142	5489m	0.387	ppbv	
81) 1,2,4-Trichlorobenzene	13.439	180	12539	0.377	ppbv	98

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

Manual Integrations

Quant Time: Sep 30 23:54:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL093025AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 30 23:54:02 2025
Response via : Initial Calibration





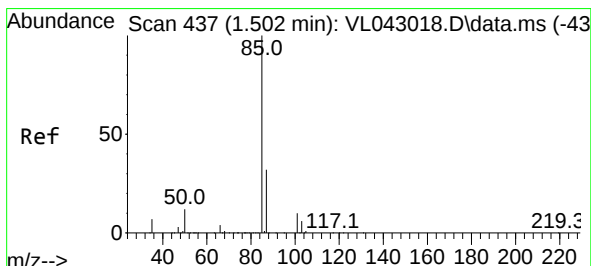
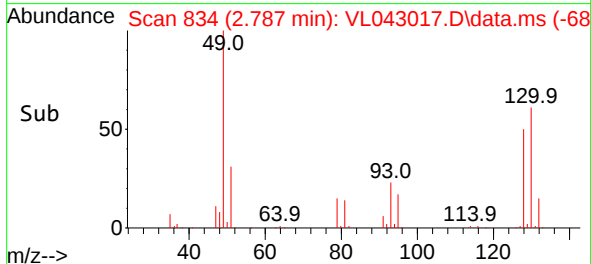
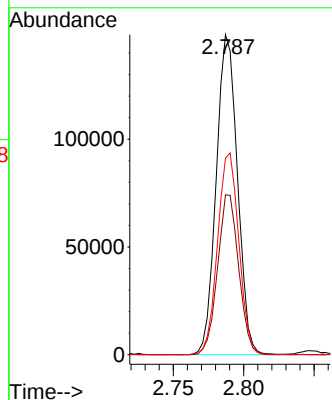
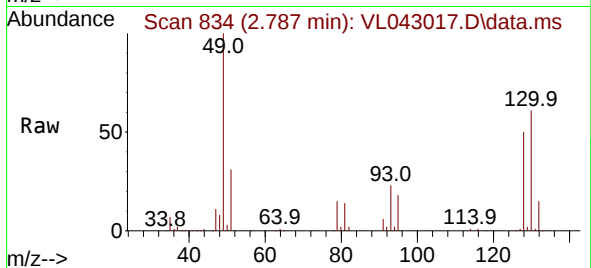
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 49 Resp: 155809
Ion Ratio Lower Upper
49 100
128 49.6 25.2 75.6
130 63.2 31.6 94.7

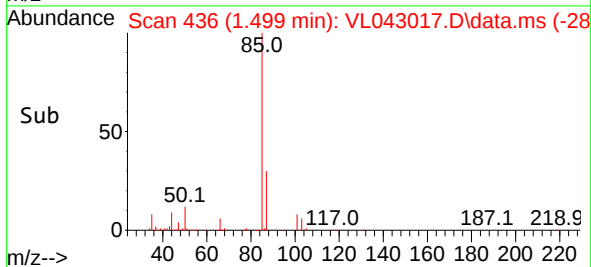
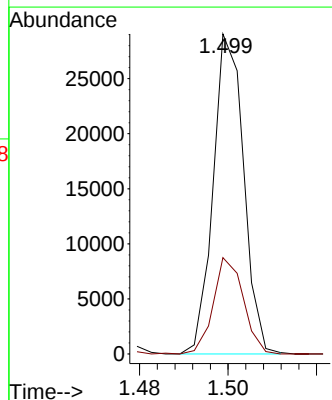
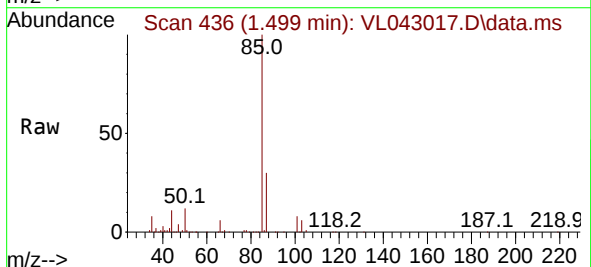
Manual Integrations
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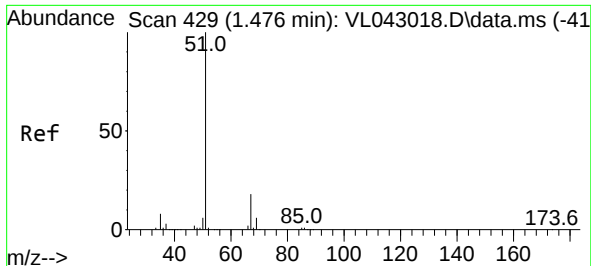
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#2
Dichlorodifluoromethane
Concen: 0.516 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion: 85 Resp: 13909
Ion Ratio Lower Upper
85 100
87 30.1 25.8 38.6





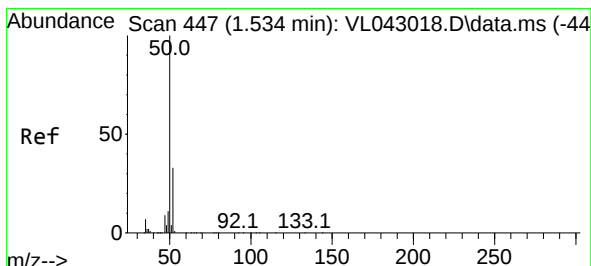
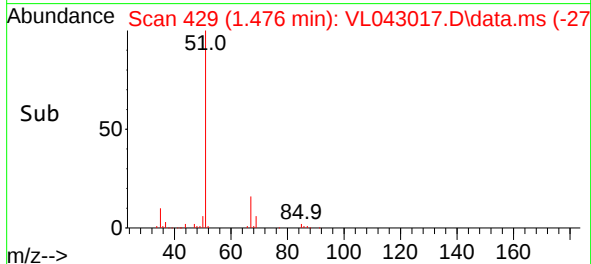
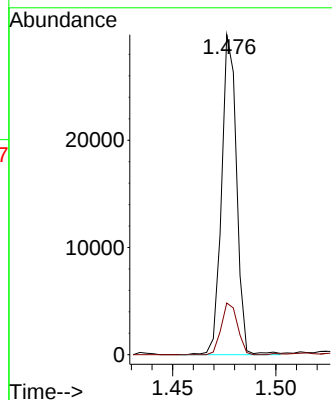
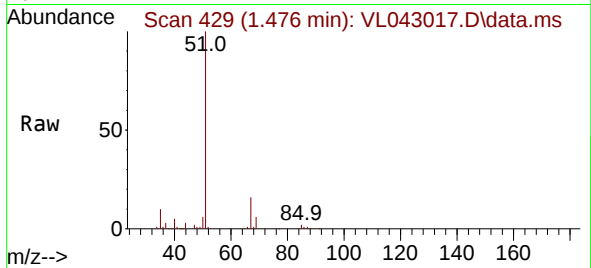
#3
Chlorodifluoromethane
Concen: 0.526 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 51 Resp: 15108
Ion Ratio Lower Upper
51 100
67 17.7 15.1 22.7

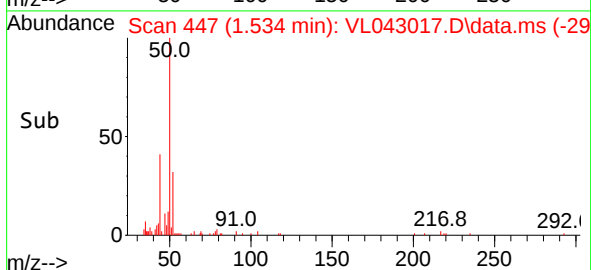
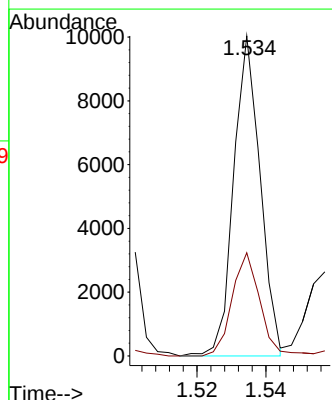
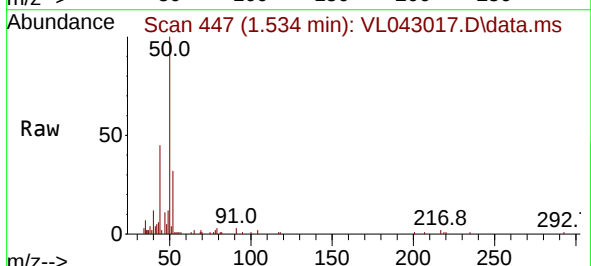
Manual Integrations
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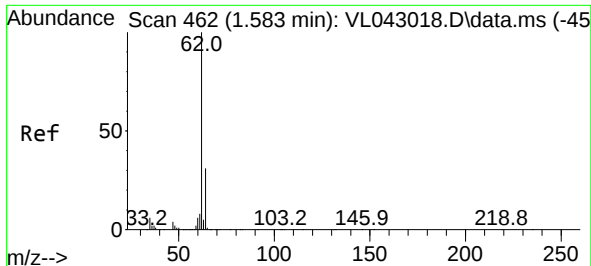
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#4
Chloromethane
Concen: 0.524 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion: 50 Resp: 5368
Ion Ratio Lower Upper
50 100
52 32.2 26.0 39.0





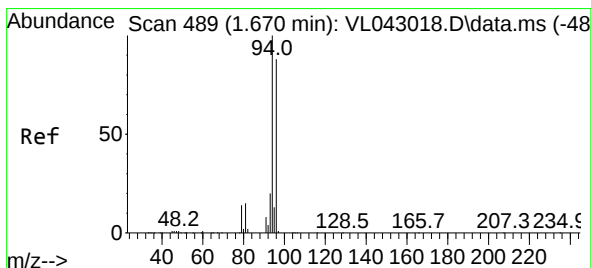
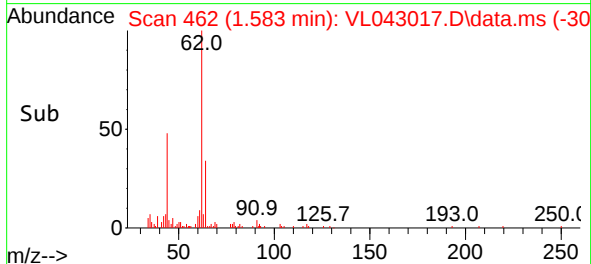
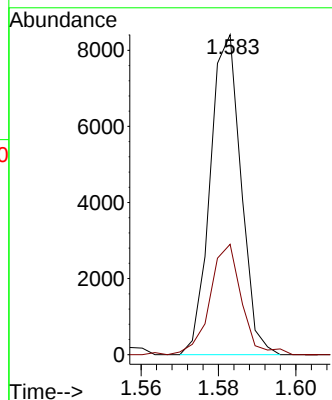
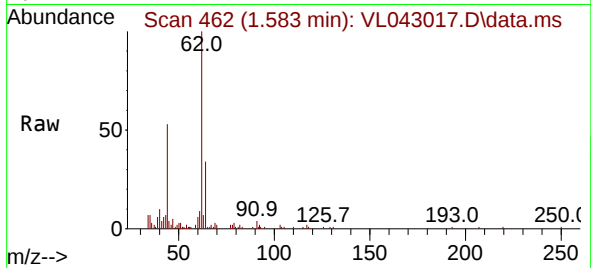
#5
 Vinyl Chloride
 Concen: 0.469 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL043017.D
 Acq: 30 Sep 2025 08:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 62 Resp: 465
 Ion Ratio Lower Upper
 62 100
 64 33.6 24.6 37.0

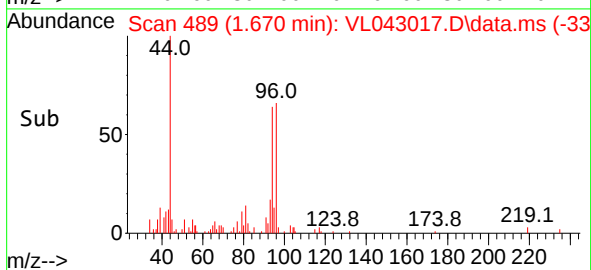
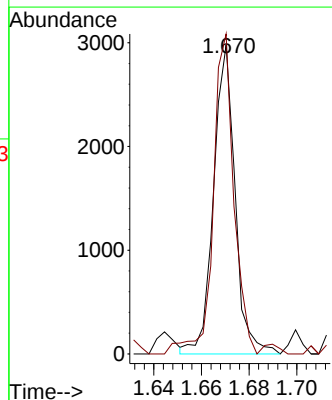
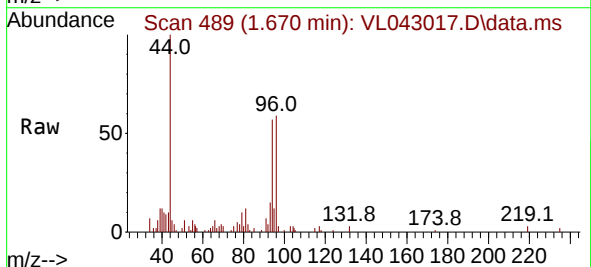
Manual Integrations
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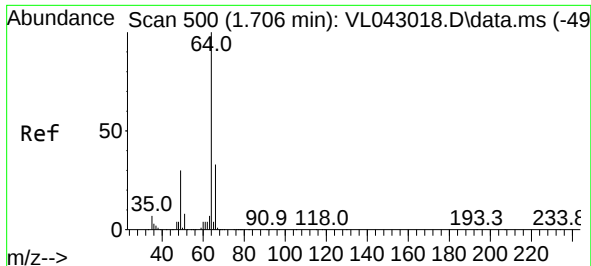
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025



#6
 Bromomethane
 Concen: 0.520 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL043017.D
 Acq: 30 Sep 2025 08:30

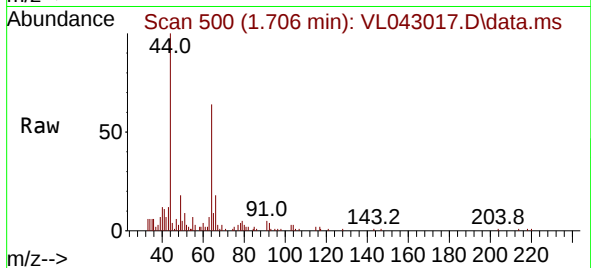
Tgt Ion: 94 Resp: 1864
 Ion Ratio Lower Upper
 94 100
 96 104.0 70.5 105.7





#7
Chloroethane
Concen: 0.541 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

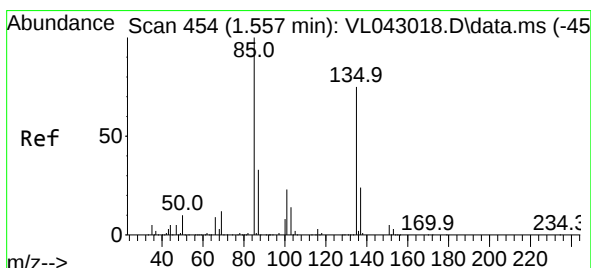
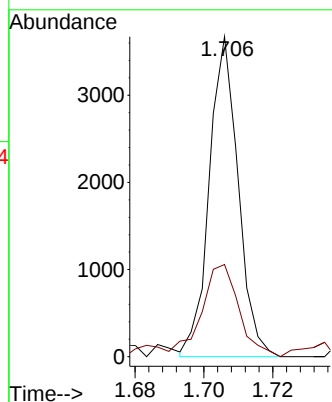
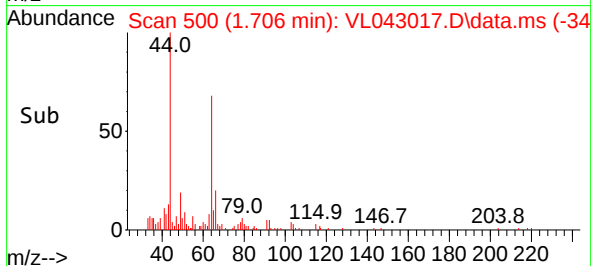
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



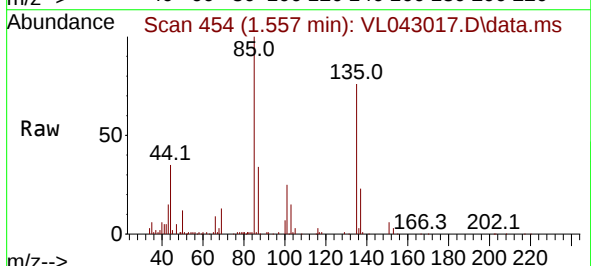
Tgt Ion: 64 Resp: 214
Ion Ratio Lower Upper
64 100
66 28.8 26.0 39.0

Manual Integrations
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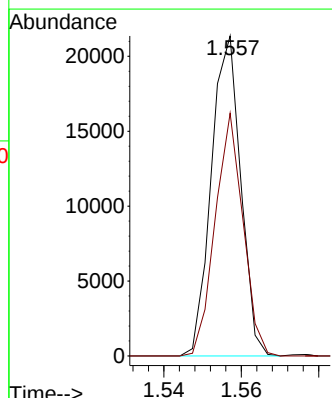
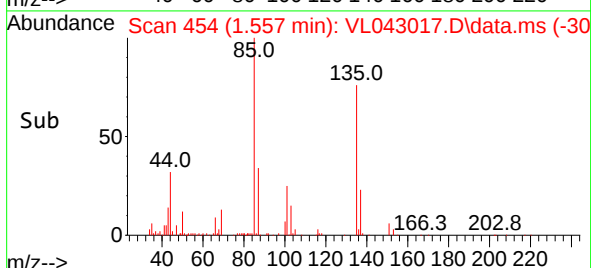
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

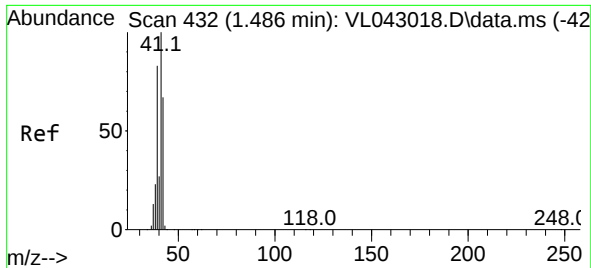


#8
Dichlorotetrafluoroethane
Concen: 0.512 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30



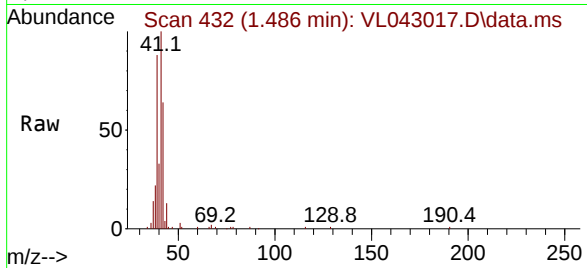
Tgt Ion: 85 Resp: 11243
Ion Ratio Lower Upper
85 100
135 72.1 57.4 86.0





#9
 Propene
 Concen: 0.497 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL043017.D
 Acq: 30 Sep 2025 08:30

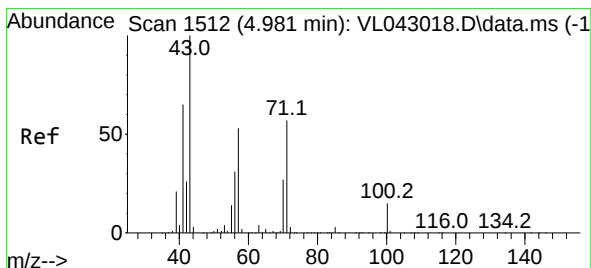
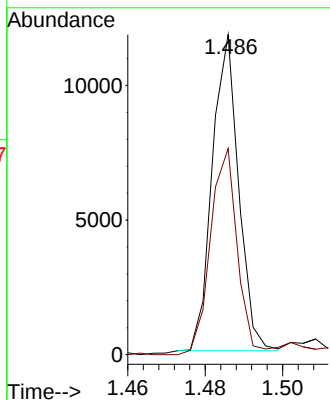
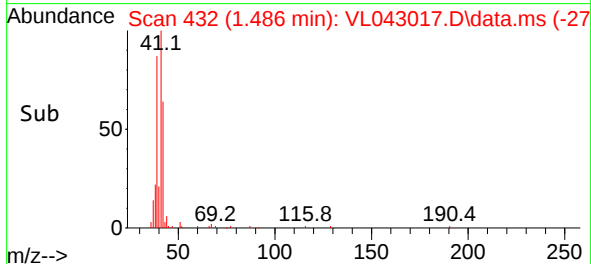
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



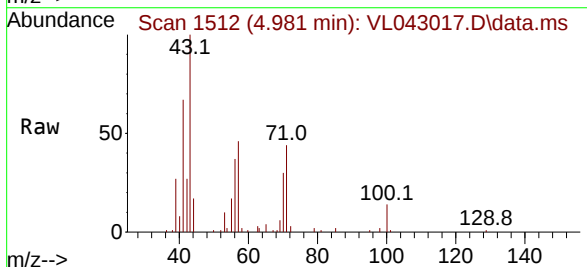
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 Ion Ratio Lower Upper
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 42 73.2 54.2 81.2

Manual Integrations
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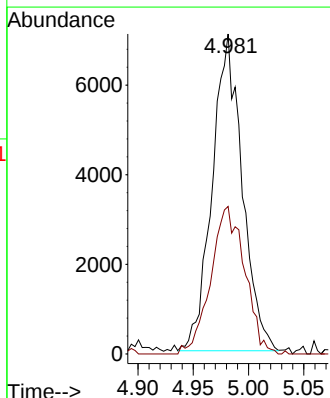
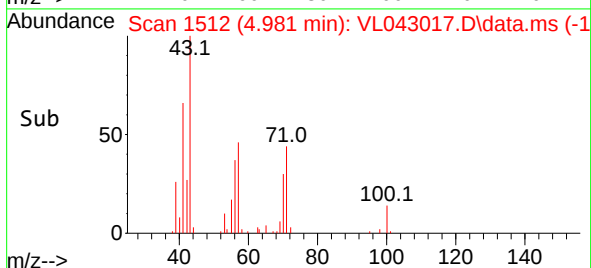
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025

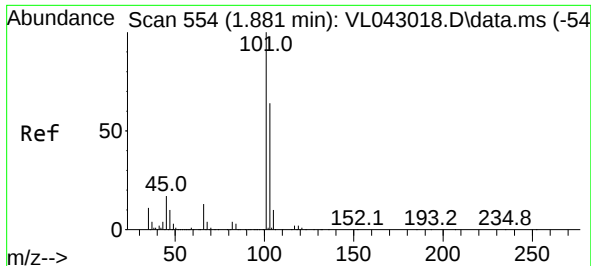


#10
 Heptane
 Concen: 0.464 ppbv
 RT: 4.981 min Scan# 1512
 Delta R.T. 0.000 min
 Lab File: VL043017.D
 Acq: 30 Sep 2025 08:30



Tgt Ion: 43 Resp: 13352
 Ion Ratio Lower Upper
 43 100
 57 52.7 40.5 60.7





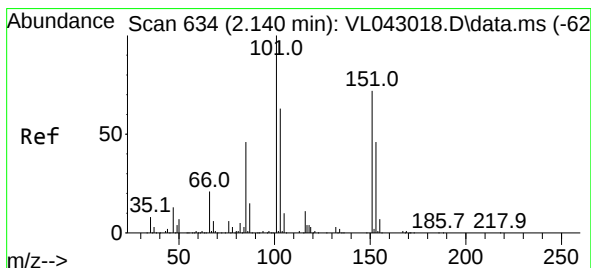
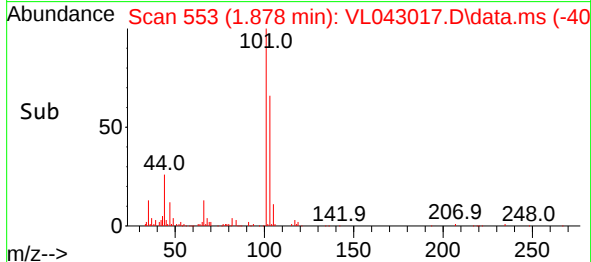
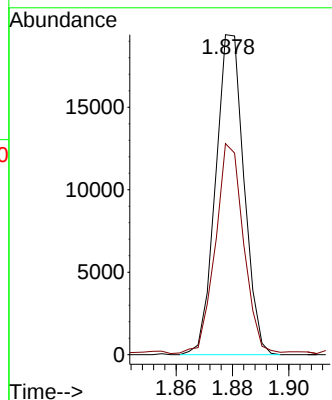
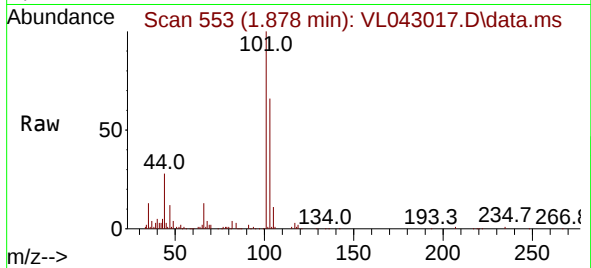
#11
Trichlorofluoromethane
Concen: 0.500 ppbv
RT: 1.878 min Scan# 511
Delta R.T. -0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:101 Resp: 1359
Ion Ratio Lower Upper
101 100
103 65.2 51.4 77.0

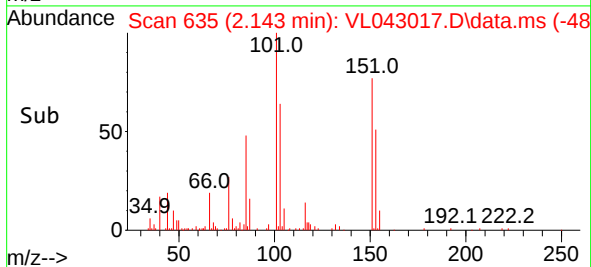
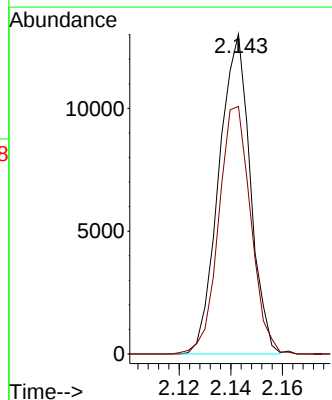
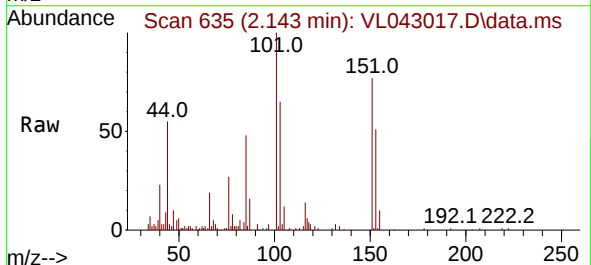
Manual Integrations
APPROVED

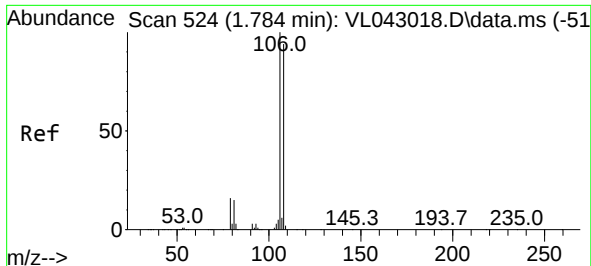
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.509 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion:101 Resp: 10968
Ion Ratio Lower Upper
101 100
151 79.4 60.2 90.4





#14

Bromoethene

Concen: 0.525 ppbv

RT: 1.784 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

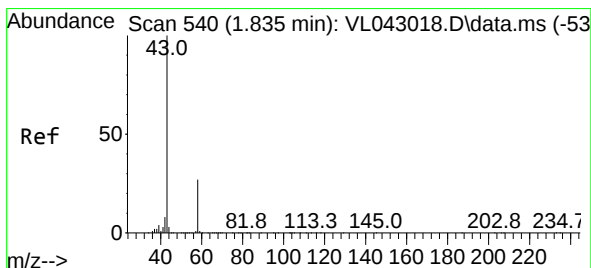
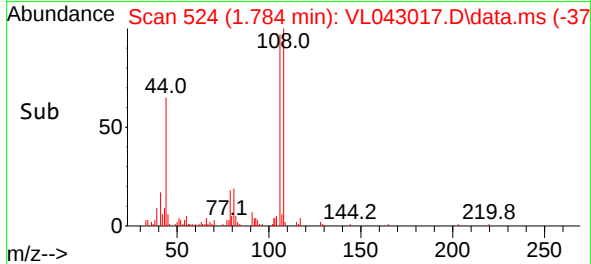
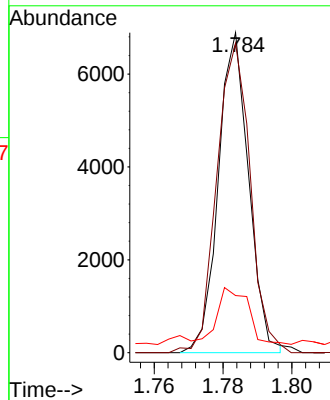
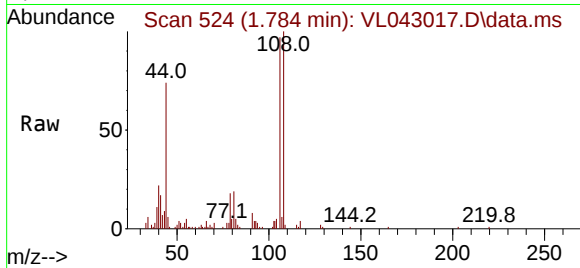
VSTDICC0.5

Tgt Ion:	108	Resp:	421
Ion	Ratio	Lower	Upper
108	100		
106	106.4	85.4	128.0
79	32.4	13.8	20.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#15

Acetone

Concen: 0.622 ppbv

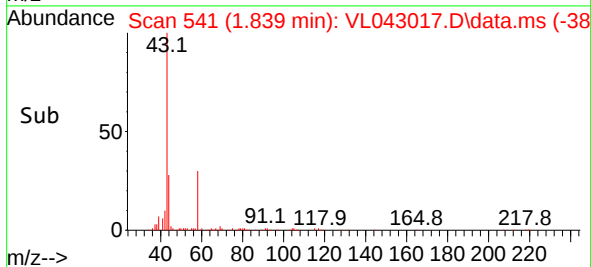
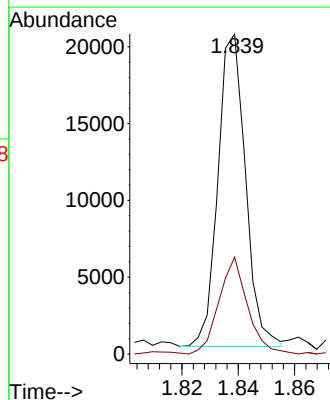
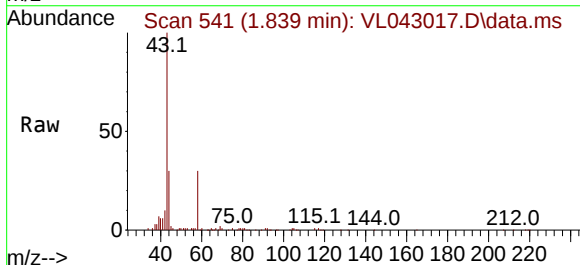
RT: 1.839 min Scan# 541

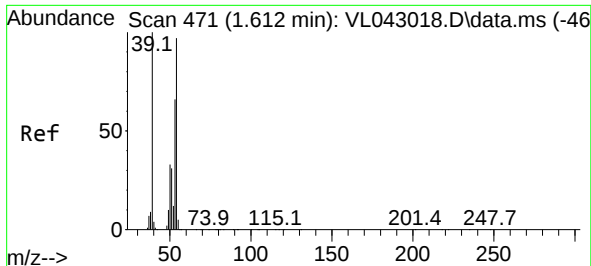
Delta R.T. 0.003 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Tgt Ion:	43	Resp:	13824
Ion	Ratio	Lower	Upper
43	100		
58	32.7	22.8	34.2





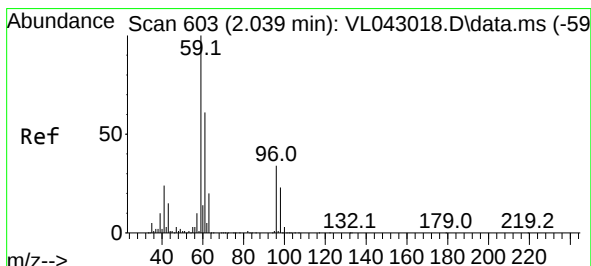
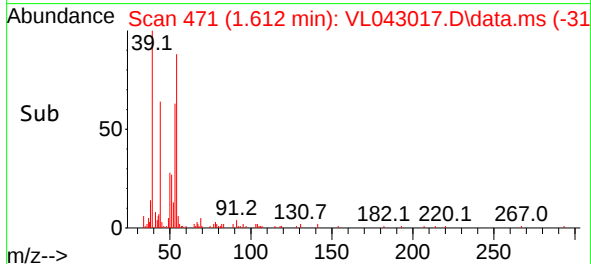
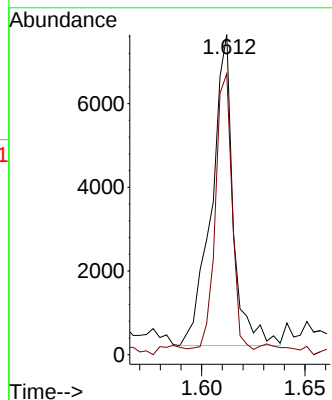
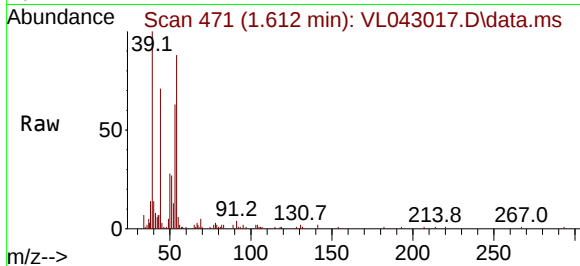
#16
1,3-Butadiene
Concen: 0.576 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 39 Resp: 542
Ion Ratio Lower Upper
39 100
54 79.9 65.4 98.2

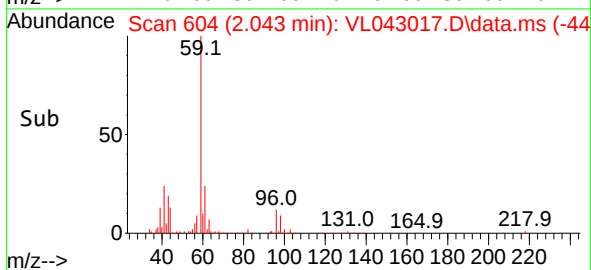
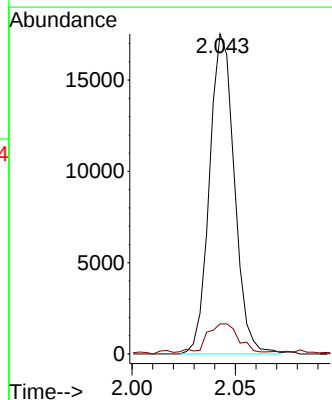
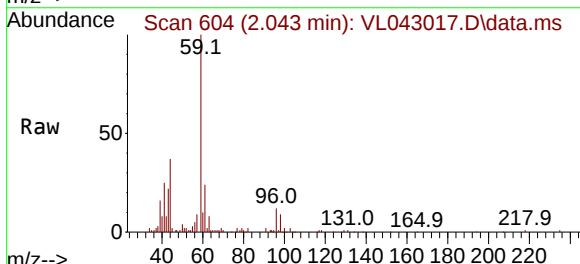
Manual Integrations
APPROVED

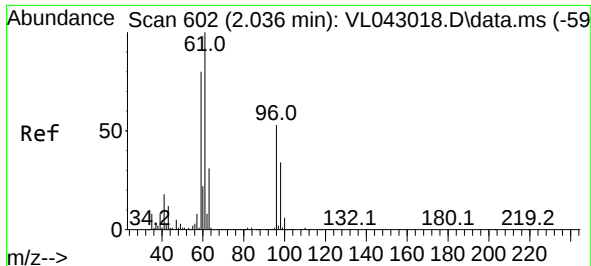
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#17
tert-Butyl alcohol
Concen: 0.593 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion: 59 Resp: 14709
Ion Ratio Lower Upper
59 100
57 12.0 8.4 12.6





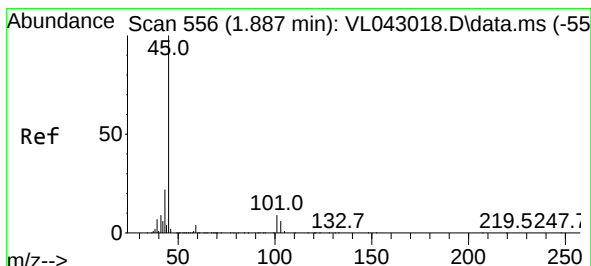
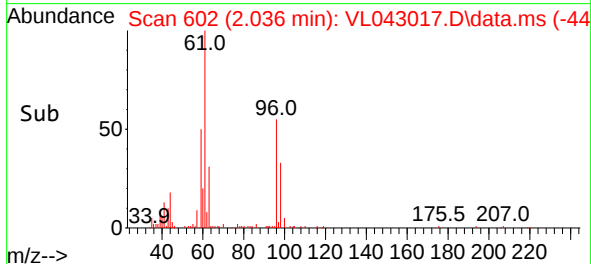
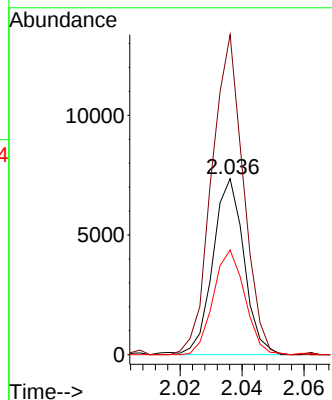
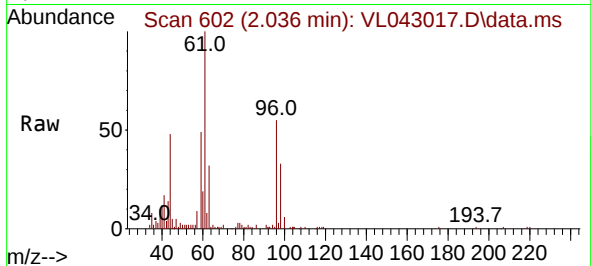
#18
1,1-Dichloroethene
Concen: 0.528 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 96 Resp: 5109
Ion Ratio Lower Upper
96 100
61 181.1 151.4 227.0
98 59.5 51.5 77.3

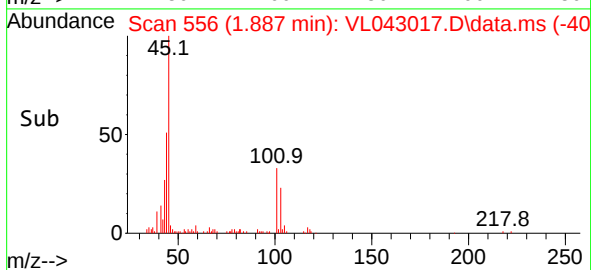
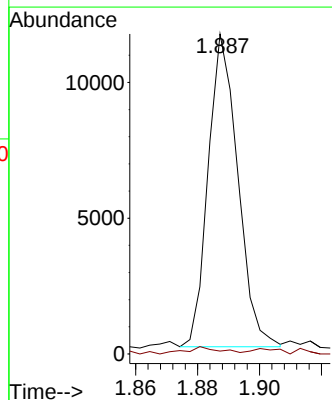
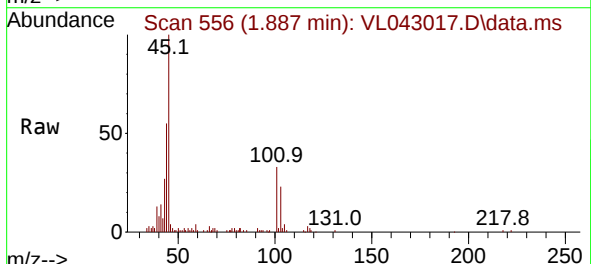
Manual Integrations
APPROVED

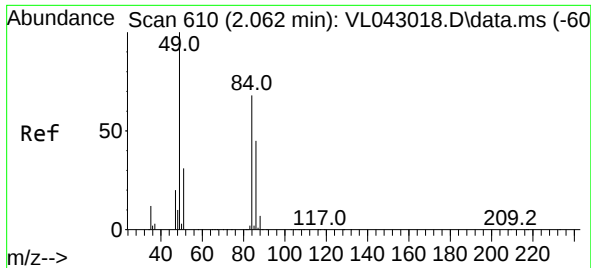
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#19
Isopropyl Alcohol
Concen: 0.585 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion: 45 Resp: 7646
Ion Ratio Lower Upper
45 100
58 59.9 33.9 50.9#





#20
Methylene Chloride
Concen: 0.534 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

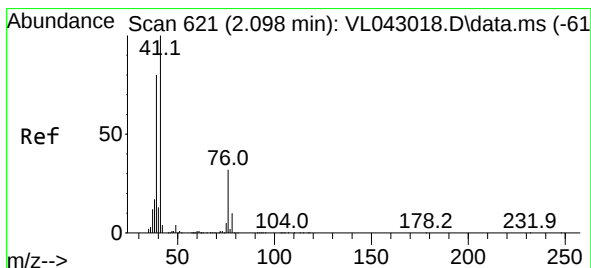
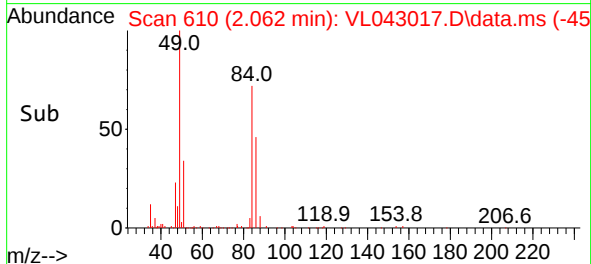
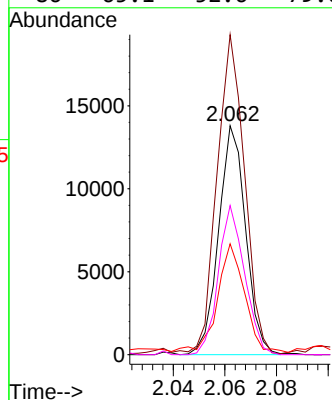
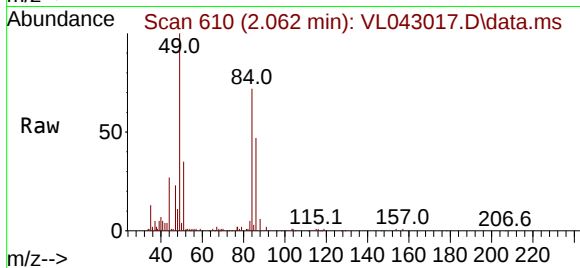
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 84 Resp: 10040

Ion	Ratio	Lower	Upper
84	100		
49	139.3	117.4	176.2
51	46.6	37.4	56.0
86	65.1	52.6	79.0

Manual Integrations
APPROVED

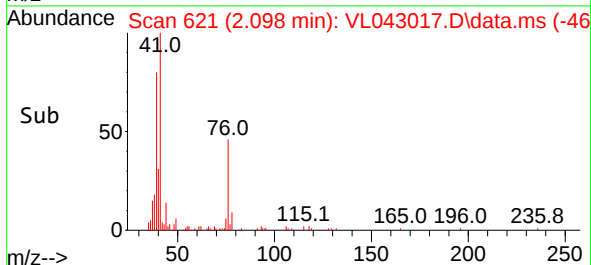
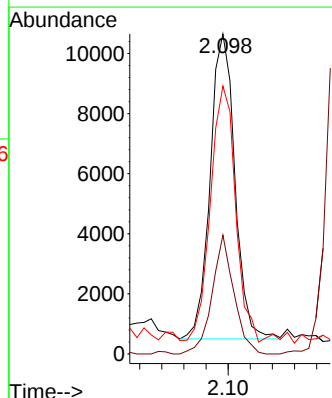
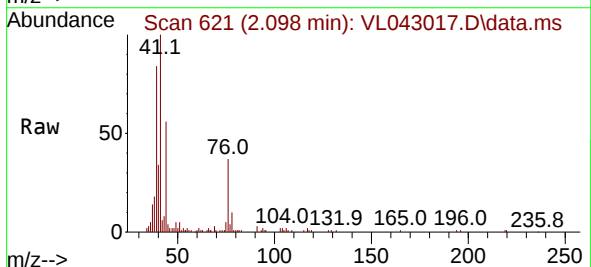
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

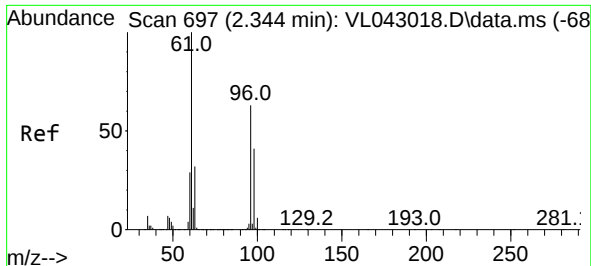


#21
Allyl Chloride
Concen: 0.525 ppbv
RT: 2.098 min Scan# 621
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion: 41 Resp: 7884

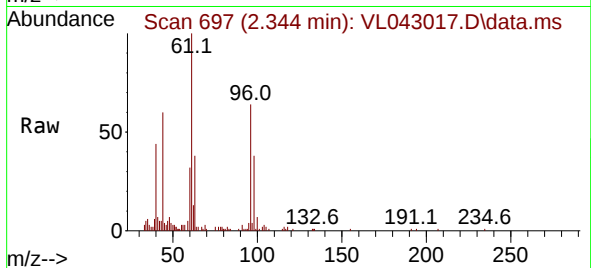
Ion	Ratio	Lower	Upper
41	100		
76	34.8	25.6	38.4
39	85.1	62.6	94.0





#22
trans-1,2-Dichloroethene
Concen: 0.517 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

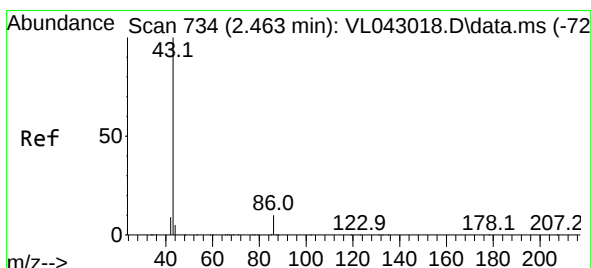
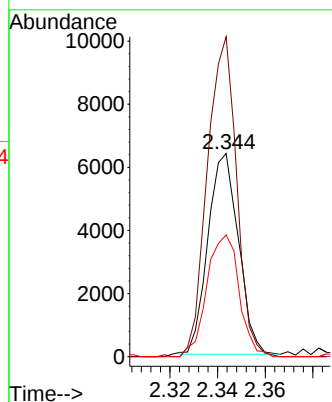
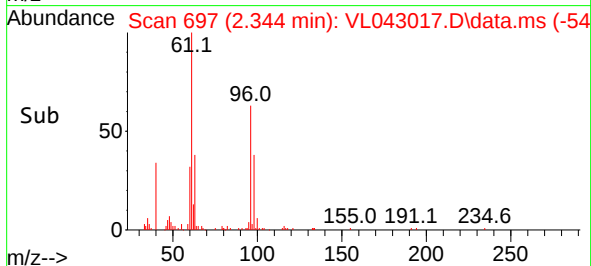
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



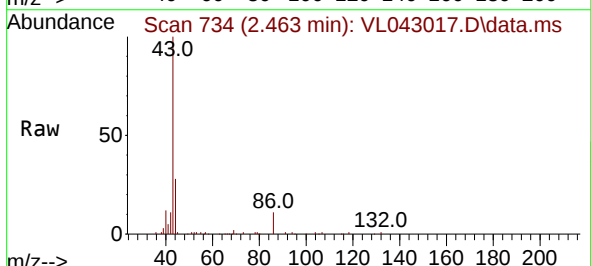
Tgt Ion: 96 Resp: 566
Ion Ratio Lower Upper
96 100
61 159.3 126.1 189.1
98 60.6 51.3 76.9

Manual Integrations
APPROVED

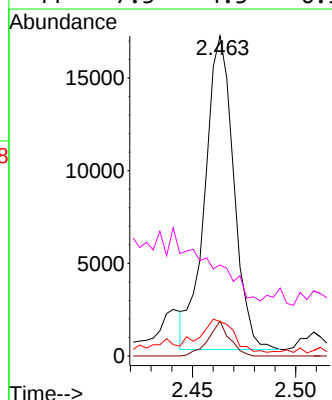
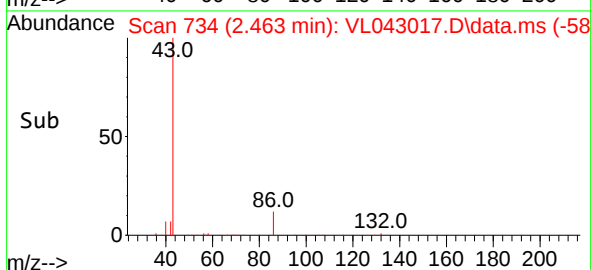
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

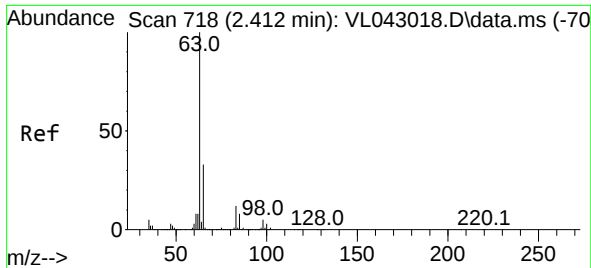


#23
Vinyl Acetate
Concen: 0.534 ppbv
RT: 2.463 min Scan# 734
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30



Tgt Ion: 43 Resp: 16379
Ion Ratio Lower Upper
43 100
86 11.1 7.1 10.7#
42 9.6 7.9 11.9
44 7.3 4.3 6.5#





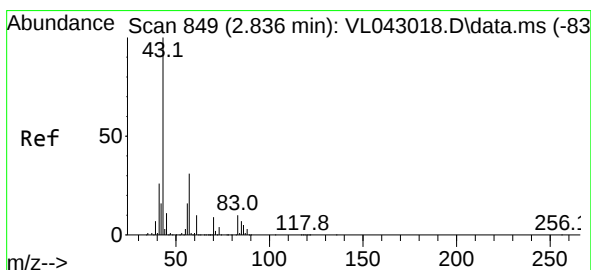
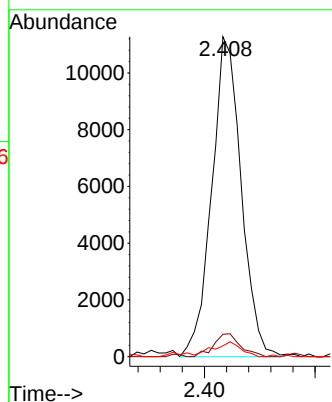
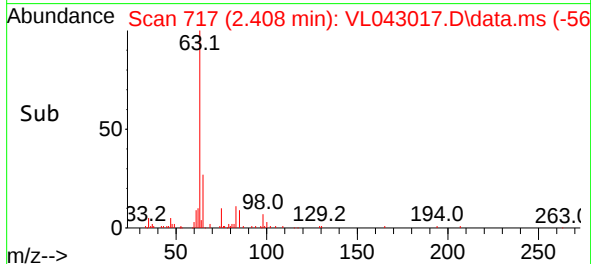
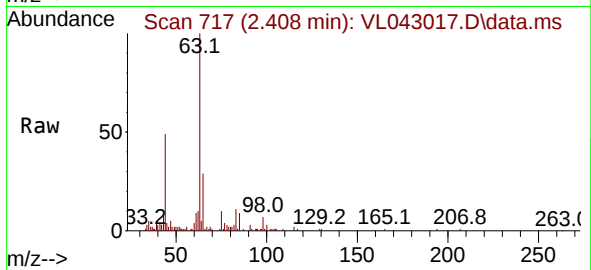
#24
1,1-Dichloroethane
Concen: 0.505 ppbv
RT: 2.408 min Scan# 718
Delta R.T. -0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:	63	Resp:	10419
Ion Ratio	Lower	Upper	
63	100		
98	7.0	2.4	7.2
100	3.4	1.6	4.8

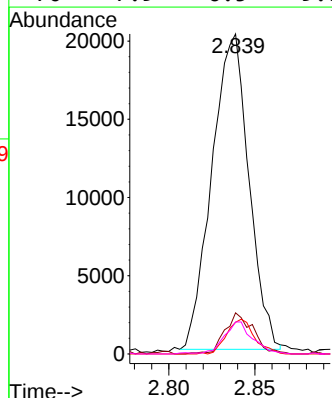
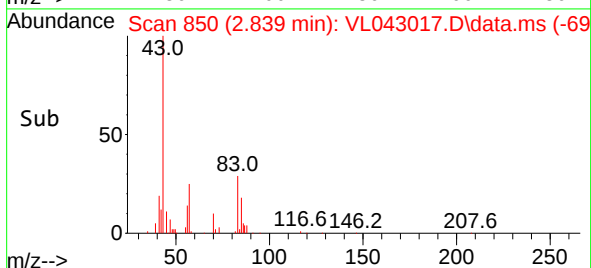
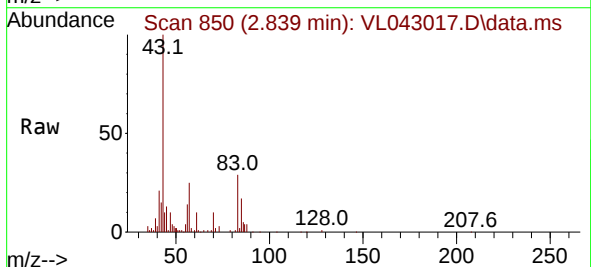
Manual Integrations
APPROVED

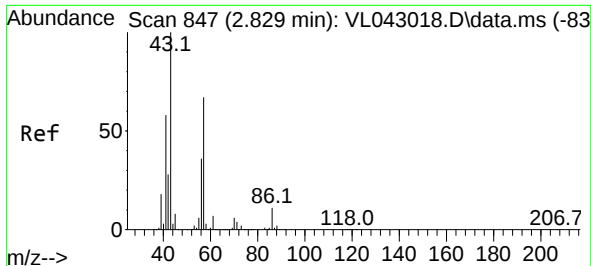
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#25
Ethyl Acetate
Concen: 0.532 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

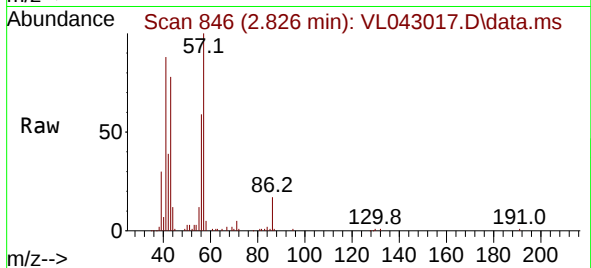
Tgt Ion:	43	Resp:	30124
Ion Ratio	Lower	Upper	
43	100		
45	10.0	7.8	11.6
61	8.2	7.0	10.4
70	7.9	6.5	9.7





#26
Hexane
Concen: 0.626 ppbv
RT: 2.826 min Scan# 847
Delta R.T. -0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

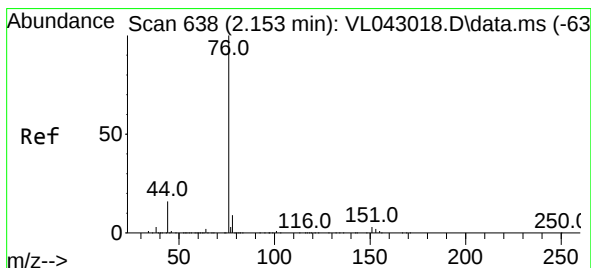
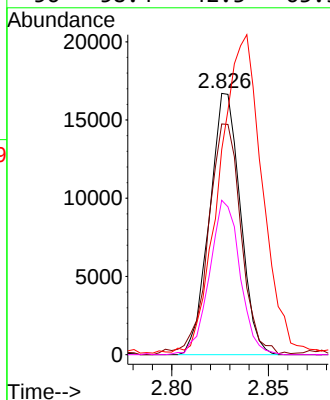
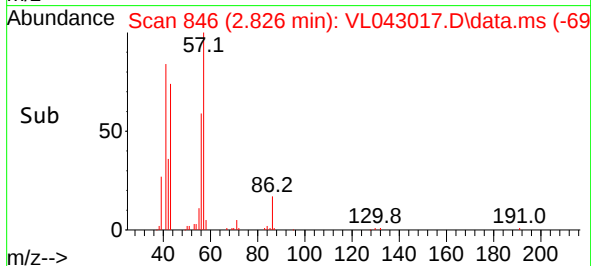
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 57 Resp: 18454
Ion Ratio Lower Upper
57 100
41 93.5 70.3 105.5
43 169.6 172.1 258.1
56 58.4 42.3 63.5

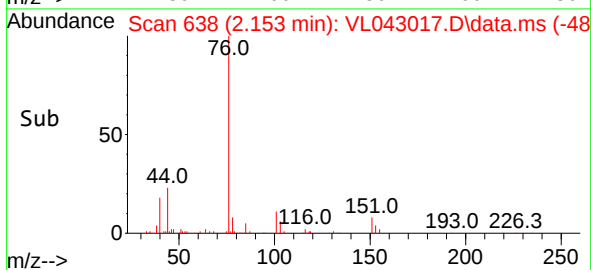
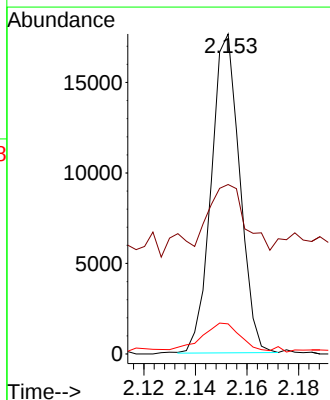
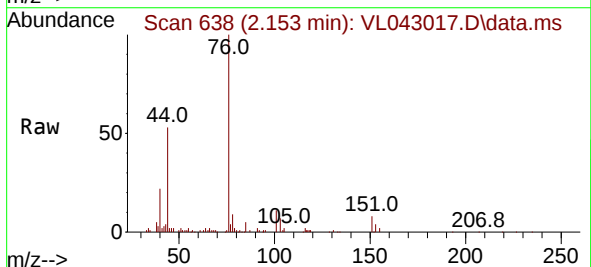
Manual Integrations
APPROVED

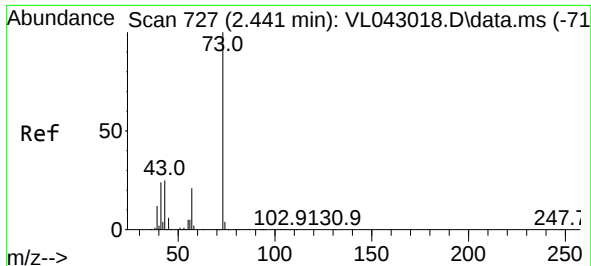
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#27
Carbon Disulfide
Concen: 0.520 ppbv
RT: 2.153 min Scan# 638
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

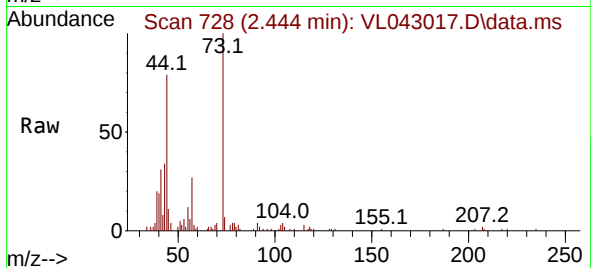
Tgt Ion: 76 Resp: 13476
Ion Ratio Lower Upper
76 100
44 94.4 14.6 21.8#
78 15.2 9.4 14.2#





#28
Methyl tert-Butyl Ether
Concen: 0.505 ppbv
RT: 2.444 min Scan# 729
Delta R.T. 0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

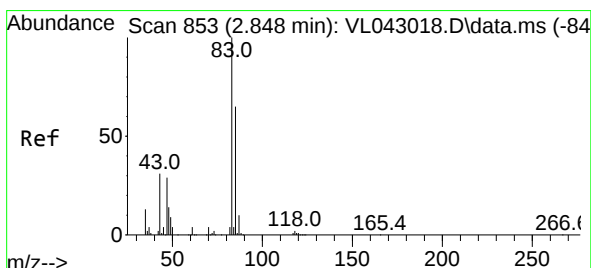
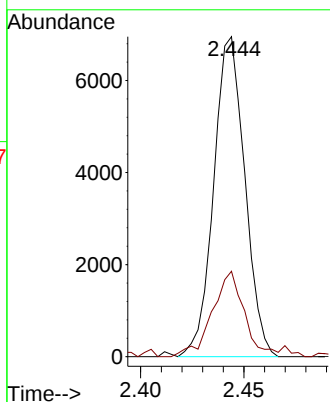
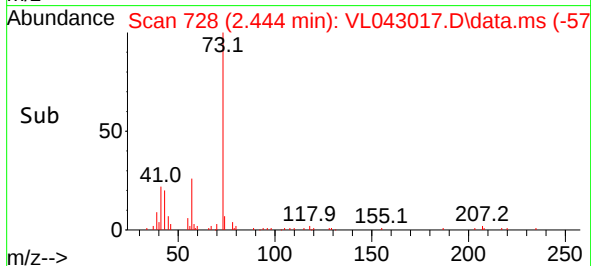
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



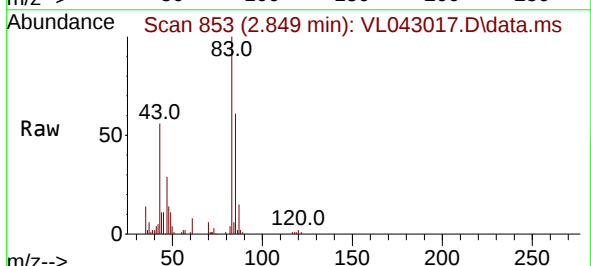
Tgt Ion: 73 Resp: 729
Ion Ratio Lower Upper
73 100
57 29.0 17.7 26.5

Manual Integrations
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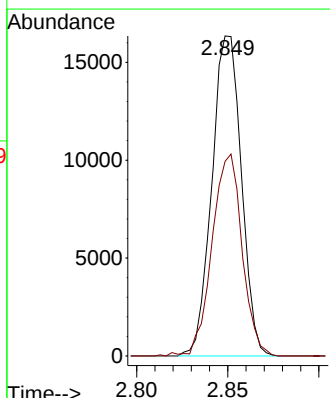
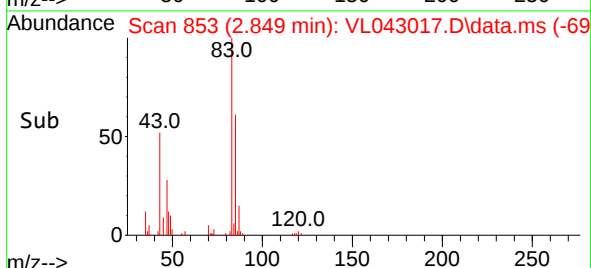
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

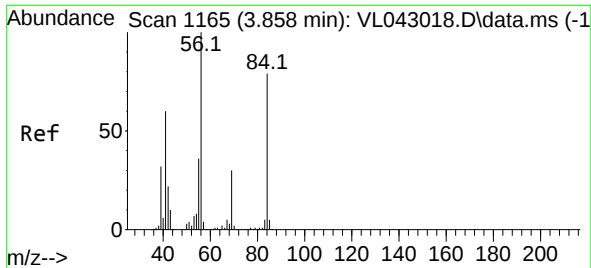


#29
Chloroform
Concen: 0.501 ppbv
RT: 2.849 min Scan# 853
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30



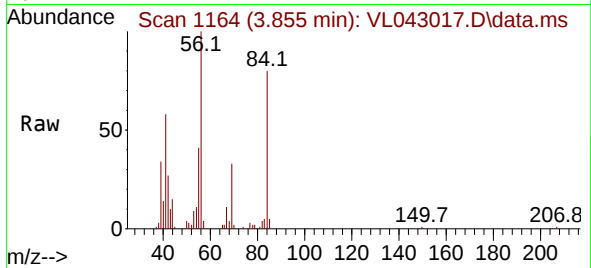
Tgt Ion: 83 Resp: 18387
Ion Ratio Lower Upper
83 100
85 60.8 51.7 77.5





#30
Cyclohexane
Concen: 0.475 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. -0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

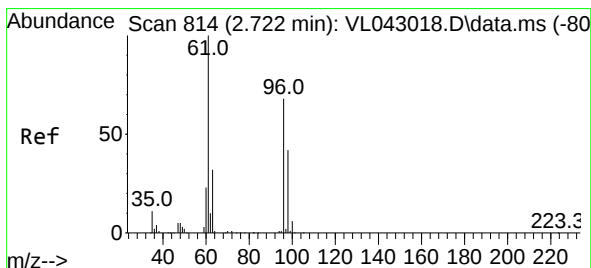
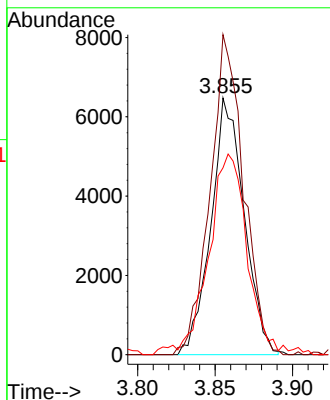
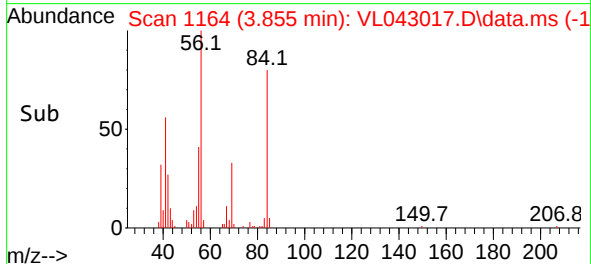
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 84 Resp: 9649
Ion Ratio Lower Upper
84 100
56 125.7 97.3 145.9
41 91.6 62.6 93.8

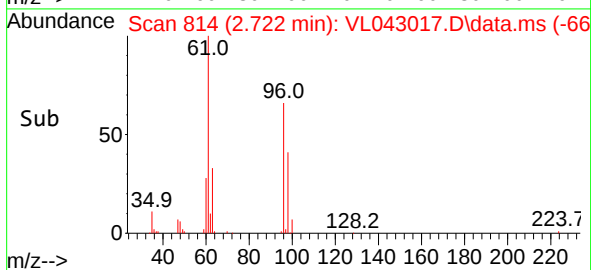
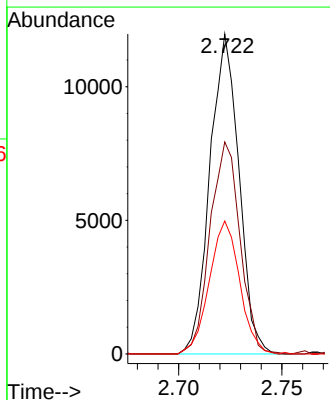
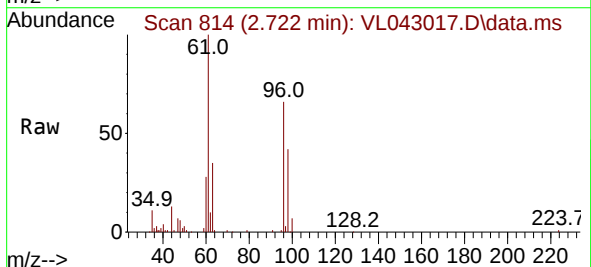
Manual Integrations
APPROVED

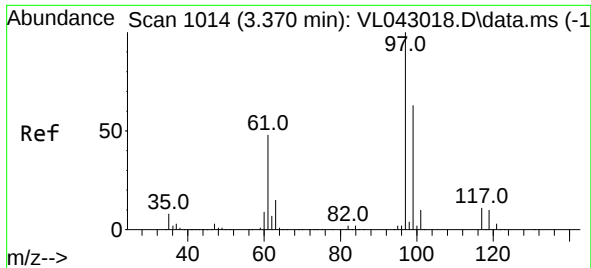
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#31
cis-1,2-Dichloroethene
Concen: 0.489 ppbv
RT: 2.722 min Scan# 814
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion: 61 Resp: 11699
Ion Ratio Lower Upper
61 100
96 66.3 54.4 81.6
98 41.6 33.7 50.5





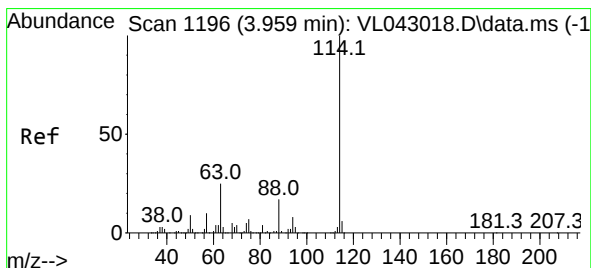
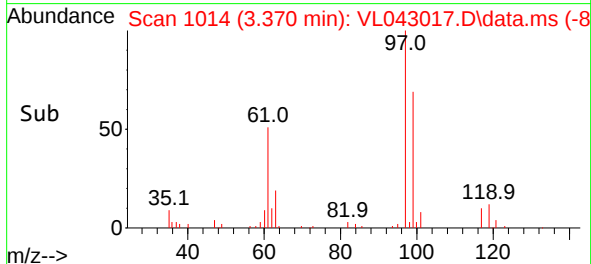
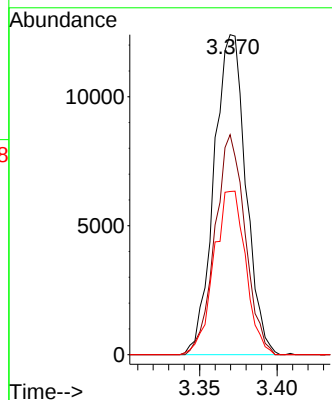
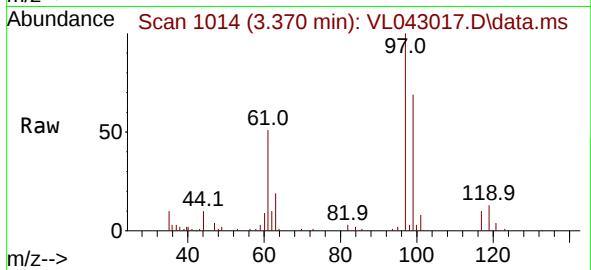
#32
1,1,1-Trichloroethane
Concen: 0.478 ppbv
RT: 3.370 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 97 Resp: 17760
Ion Ratio Lower Upper
97 100
99 64.8 51.4 77.0
61 50.9 38.8 58.2

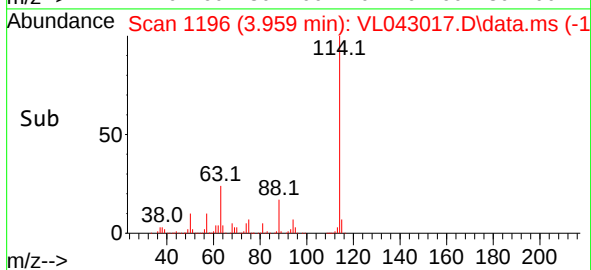
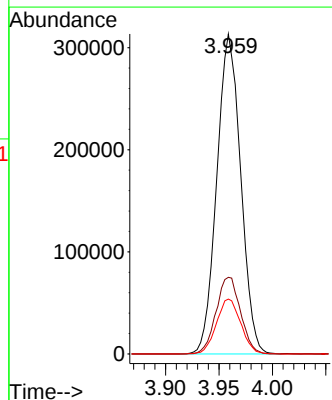
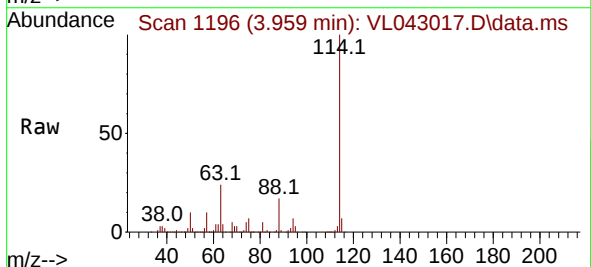
Manual Integrations
APPROVED

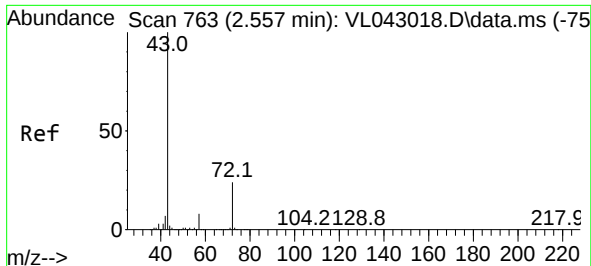
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

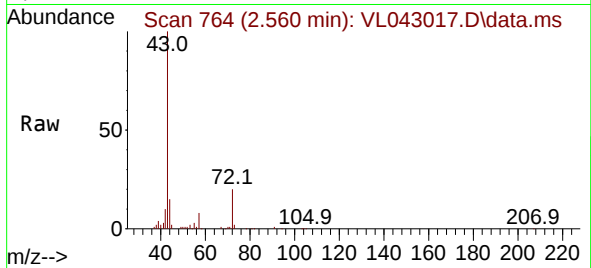
Tgt Ion:114 Resp: 487391
Ion Ratio Lower Upper
114 100
63 24.5 19.7 29.5
88 17.5 13.8 20.6





#34
2-Butanone
Concen: 0.505 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

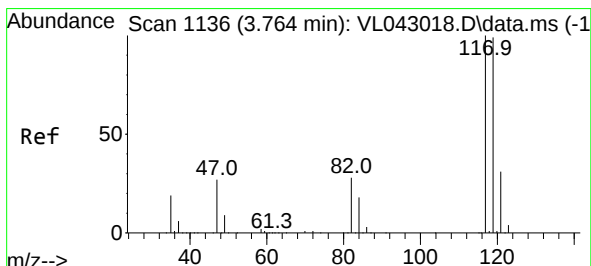
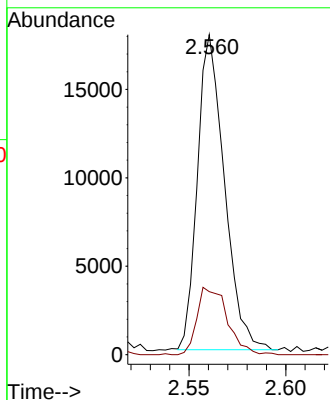
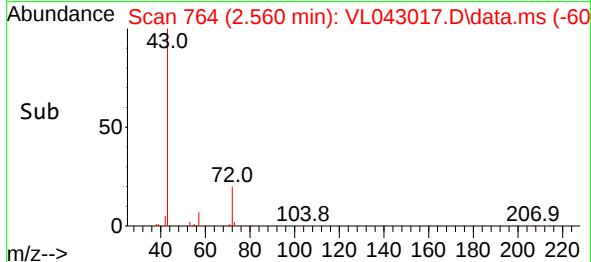
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 43 Resp: 17310
Ion Ratio Lower Upper
43 100
72 24.0 18.7 28.1

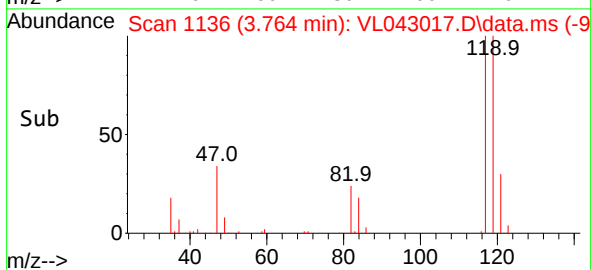
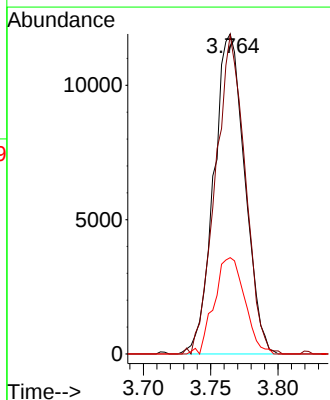
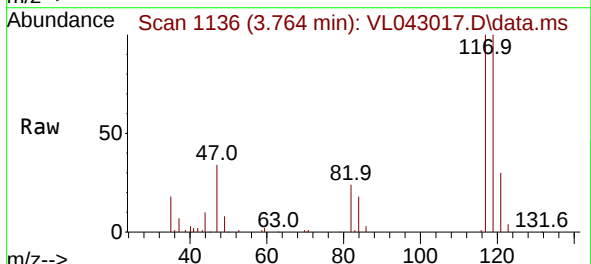
Manual Integrations
APPROVED

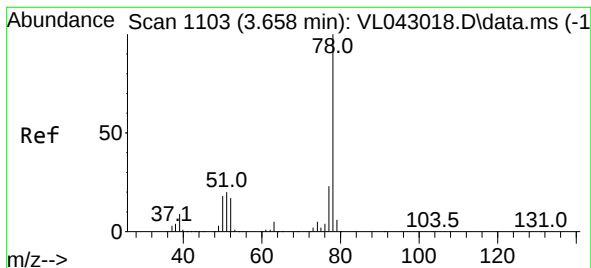
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#35
Carbon Tetrachloride
Concen: 0.481 ppbv
RT: 3.764 min Scan# 1136
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion:117 Resp: 19034
Ion Ratio Lower Upper
117 100
119 99.6 79.1 118.7
121 30.1 24.5 36.7





#36

Benzene

Concen: 0.502 ppbv

RT: 3.658 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

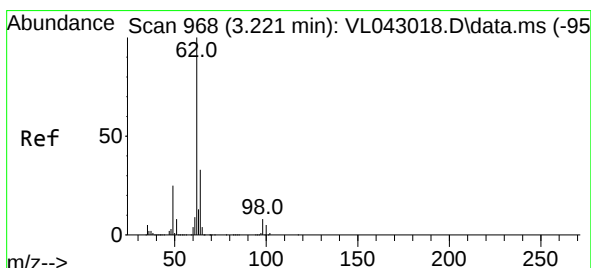
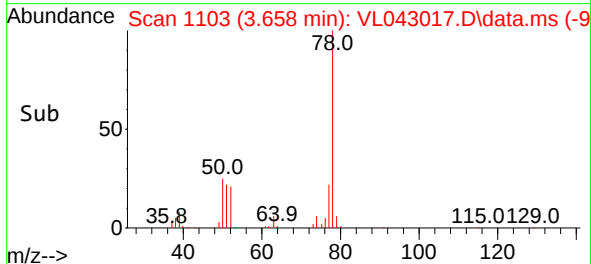
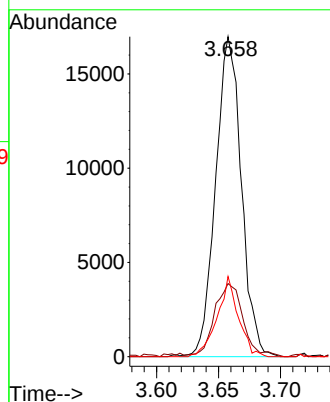
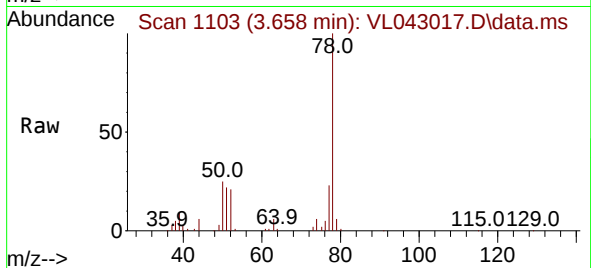
VSTDIC0.5

Tgt Ion: 78	Resp: 2451
Ion Ratio	Lower Upper
78 100	
77 22.5	18.8 28.2
50 25.0	14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#37

1,2-Dichloroethane

Concen: 0.511 ppbv

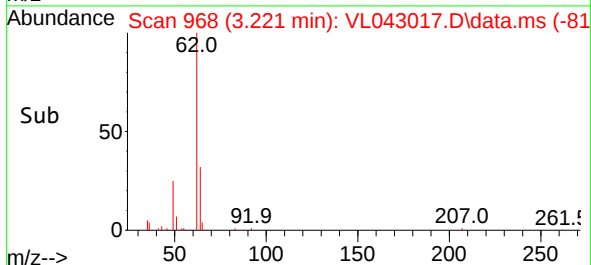
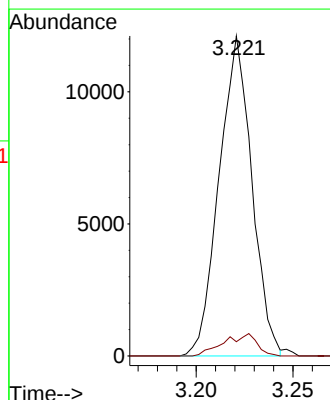
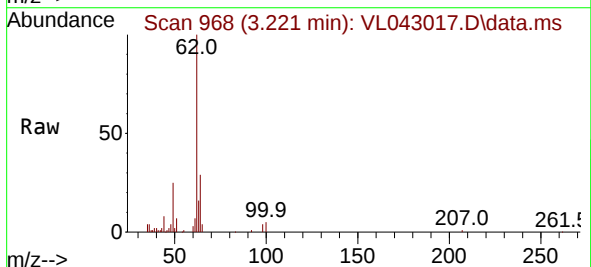
RT: 3.221 min Scan# 968

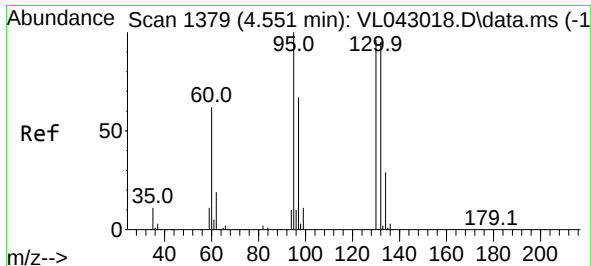
Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

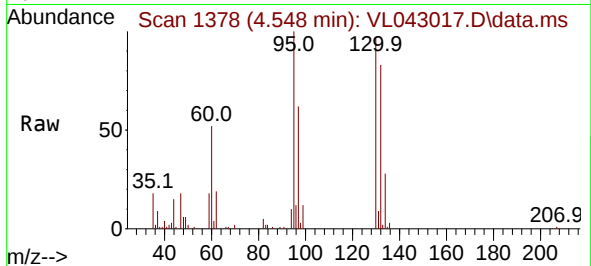
Tgt Ion: 62	Resp: 14250
Ion Ratio	Lower Upper
62 100	
98 7.1	5.7 8.5





#38
 Trichloroethene
 Concen: 0.486 ppbv
 RT: 4.548 min Scan# 1378
 Delta R.T. -0.003 min
 Lab File: VL043017.D
 Acq: 30 Sep 2025 08:30

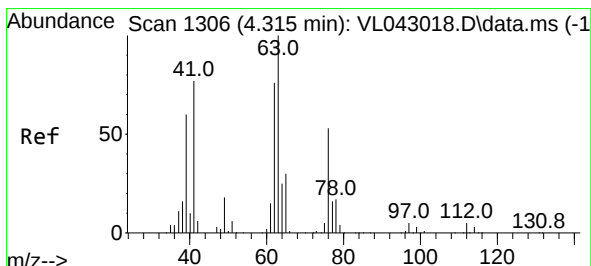
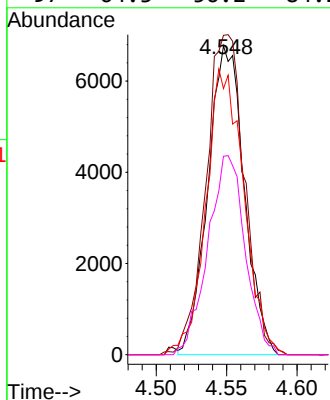
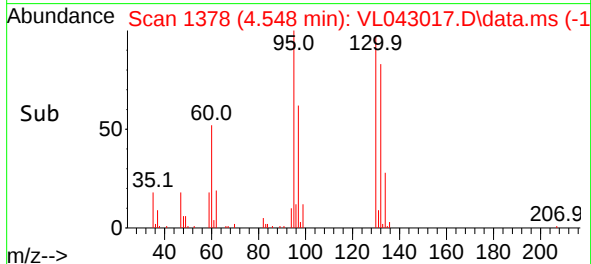
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:	130	Resp:	1216
Ion	Ratio	Lower	Upper
130	100		
95	102.0	83.4	125.0
132	84.4	79.0	118.4
97	64.3	56.2	84.2

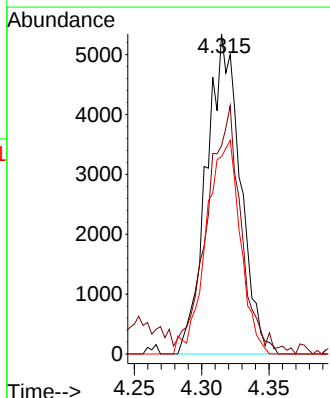
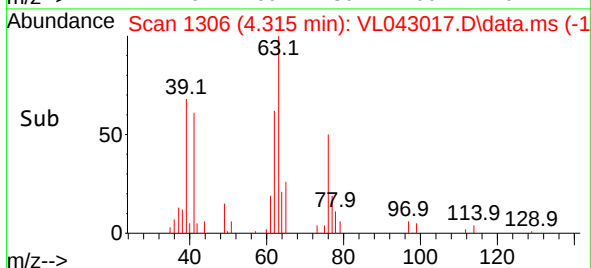
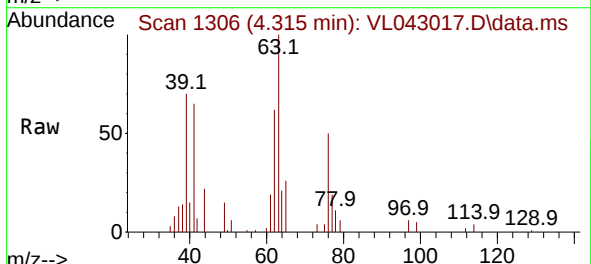
Manual Integrations
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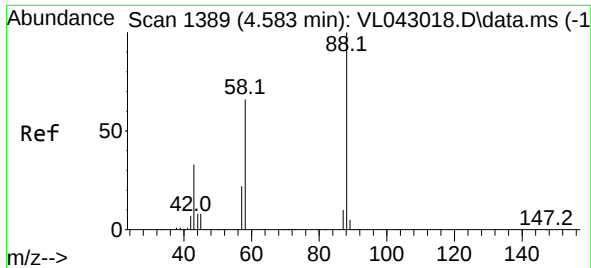
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025



#39
 1,2-Dichloropropane
 Concen: 0.521 ppbv
 RT: 4.315 min Scan# 1306
 Delta R.T. 0.000 min
 Lab File: VL043017.D
 Acq: 30 Sep 2025 08:30

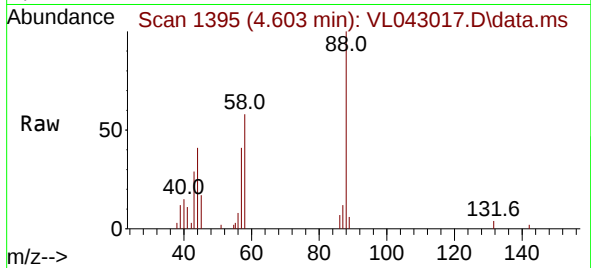
Tgt Ion:	63	Resp:	9342
Ion	Ratio	Lower	Upper
63	100		
41	63.1	62.3	93.5
62	61.7	60.5	90.7





#40
1,4-Dioxane
Concen: 0.516 ppbv
RT: 4.603 min Scan# 1389
Delta R.T. 0.019 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

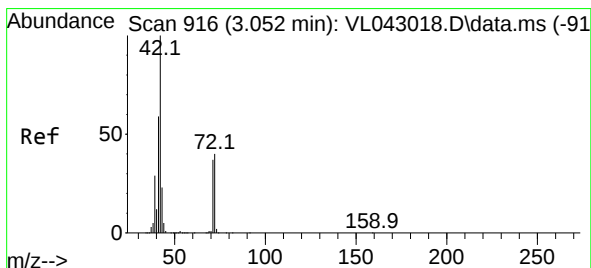
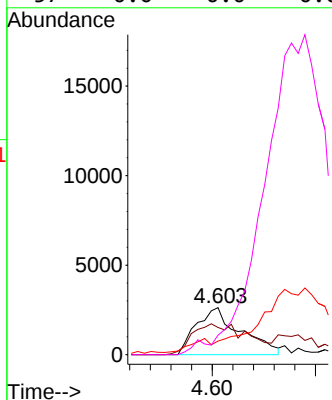
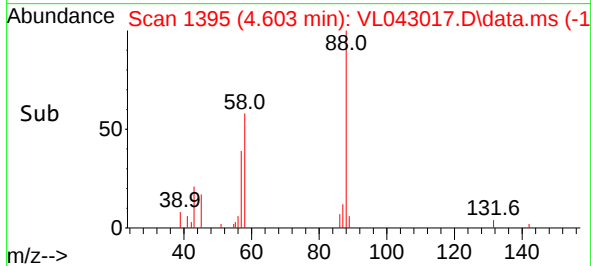
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 88 Resp: 3924
Ion Ratio Lower Upper
88 100
58 82.2 59.3 88.9
43 10.9 24.3 36.5
57 0.0 0.0 0.0

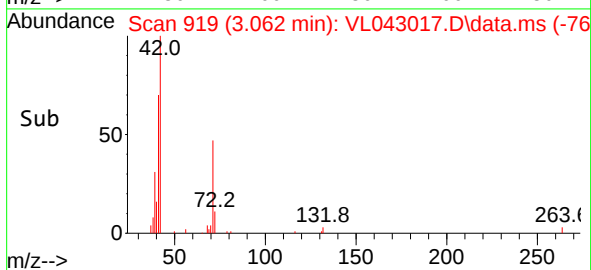
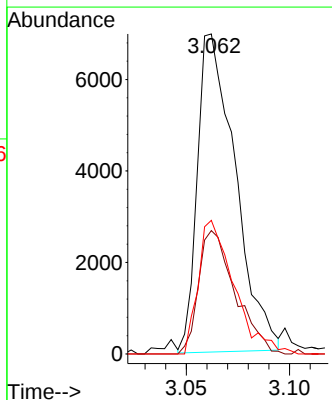
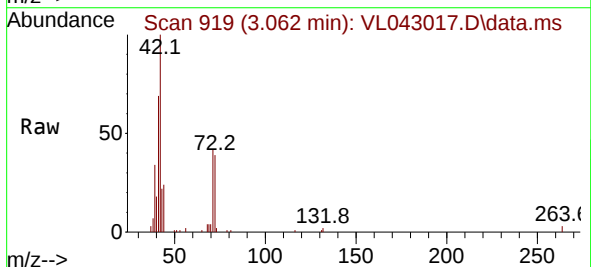
Manual Integrations
APPROVED

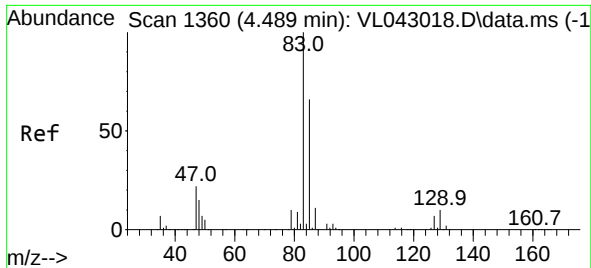
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#41
Tetrahydrofuran
Concen: 0.486 ppbv
RT: 3.062 min Scan# 919
Delta R.T. 0.010 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion: 42 Resp: 8888
Ion Ratio Lower Upper
42 100
72 37.6 31.6 47.4
71 39.6 30.4 45.6





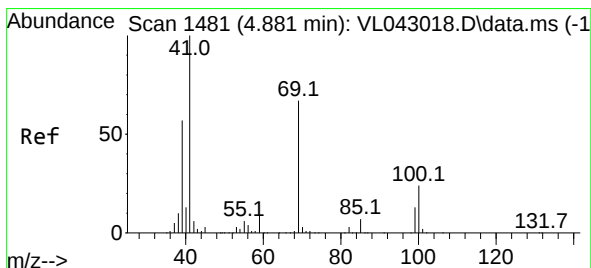
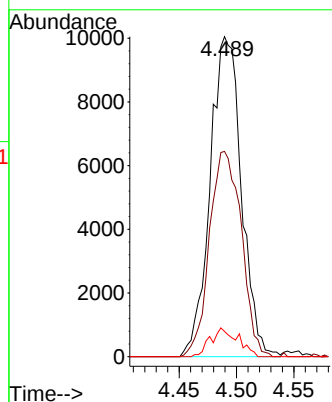
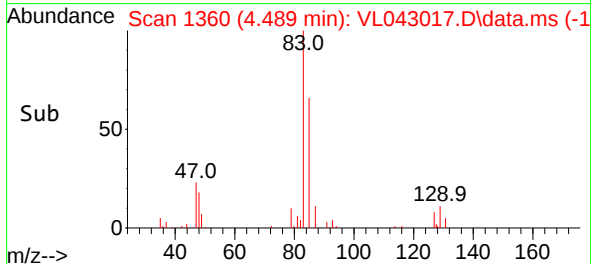
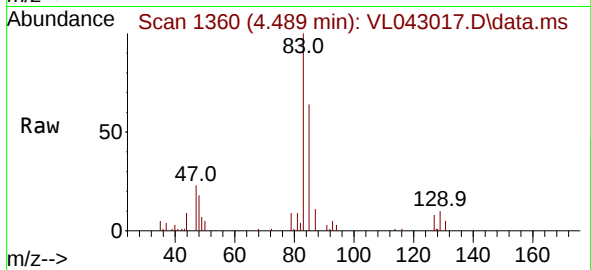
#42
Bromodichloromethane
Concen: 0.492 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 1908
Ion Ratio Lower Upper
83 100
85 64.2 52.6 78.8
127 9.4 5.7 8.5

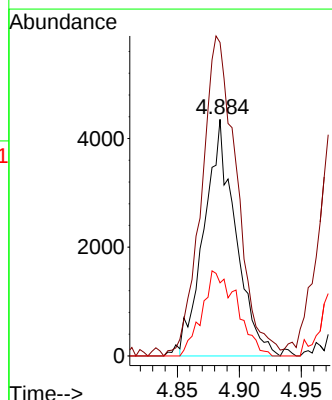
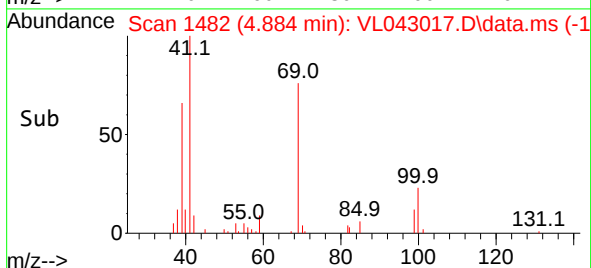
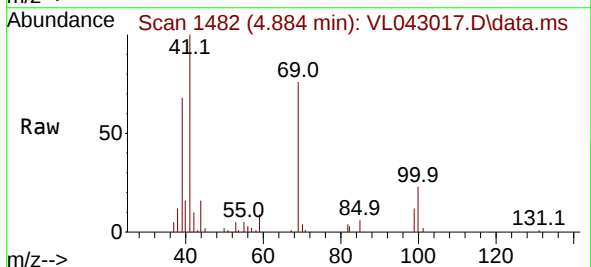
Manual Integrations
APPROVED

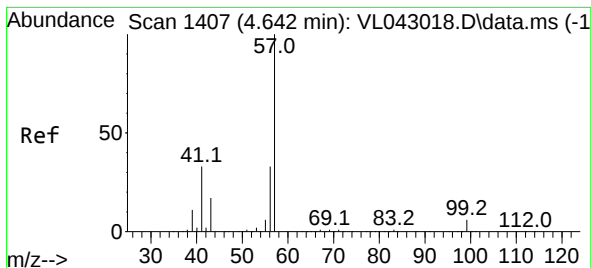
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#43
Methyl Methacrylate
Concen: 0.448 ppbv
RT: 4.884 min Scan# 1482
Delta R.T. 0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion: 69 Resp: 7687
Ion Ratio Lower Upper
69 100
41 151.9 117.6 176.4
100 40.4 29.0 43.6





#44

2,2,4-Trimethylpentane

Concen: 0.486 ppbv m

RT: 4.645 min Scan# 1407

Delta R.T. 0.003 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

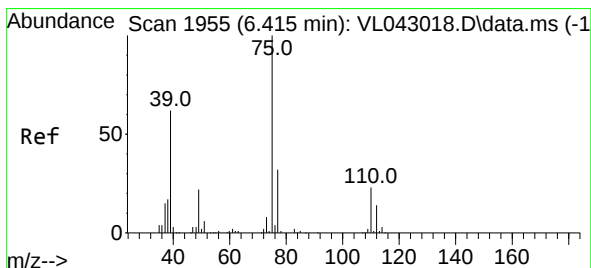
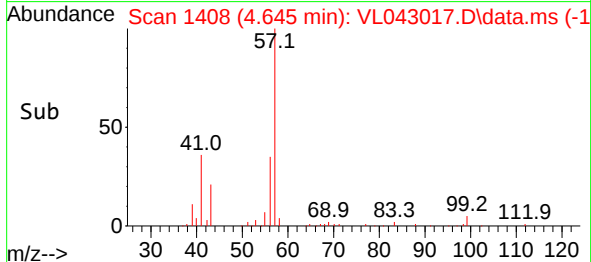
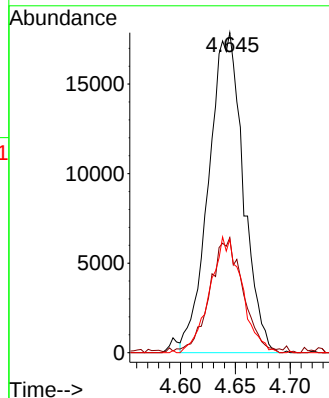
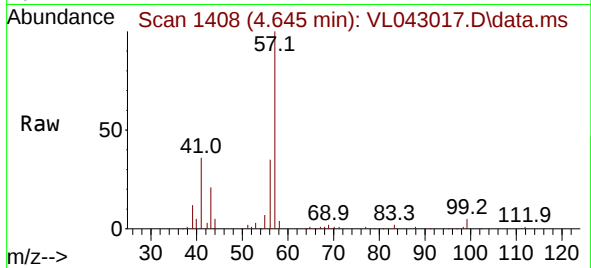
Tgt Ion:	57	Resp:	3907
Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.2	39.2
56	33.8	25.9	38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#45

t-1,3-Dichloropropene

Concen: 0.465 ppbv m

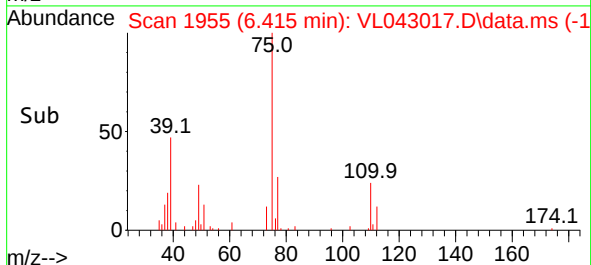
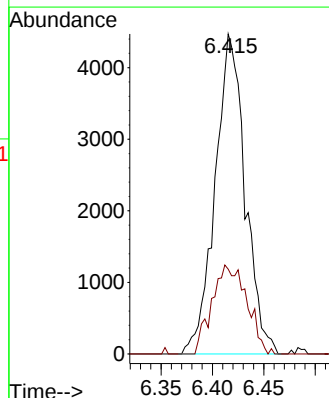
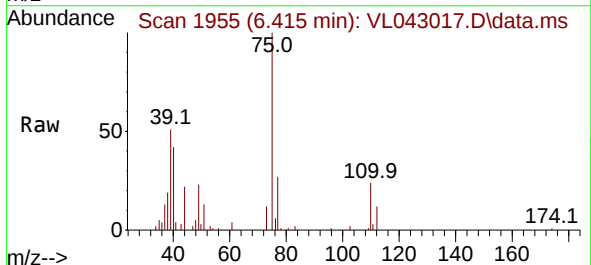
RT: 6.415 min Scan# 1955

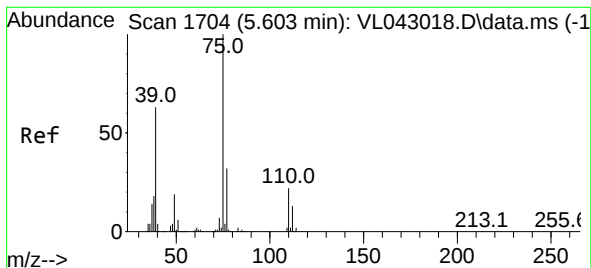
Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Tgt Ion:	75	Resp:	9074
Ion	Ratio	Lower	Upper
75	100		
77	26.5	25.8	38.6





#46

cis-1,3-Dichloropropene

Concen: 0.484 ppbv m

RT: 5.606 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

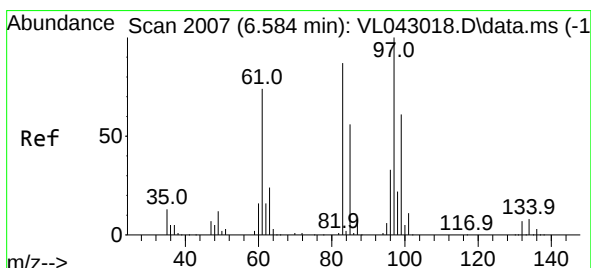
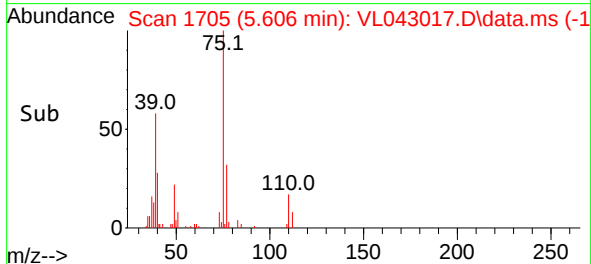
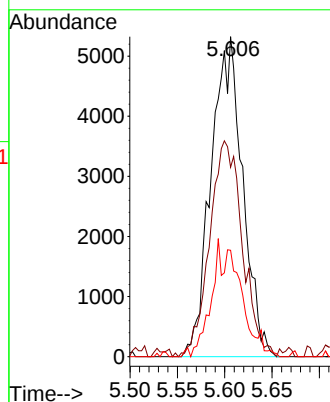
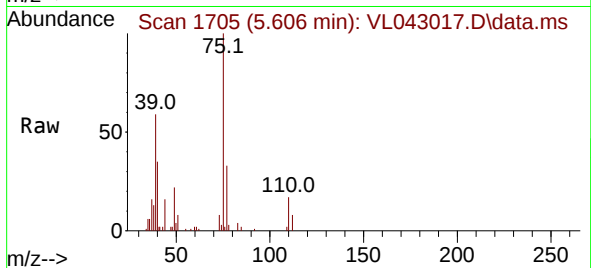
Tgt Ion: 75	Resp: 1232
Ion Ratio	Lower Upper
75 100	
39 59.2	50.2 75.2
77 33.3	25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#47

1,1,2-Trichloroethane

Concen: 0.481 ppbv m

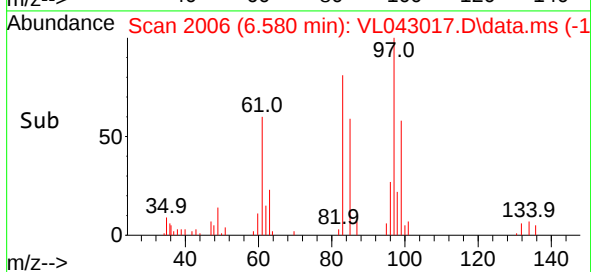
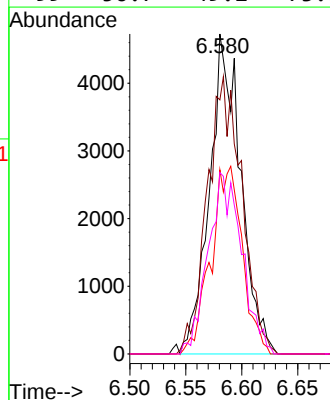
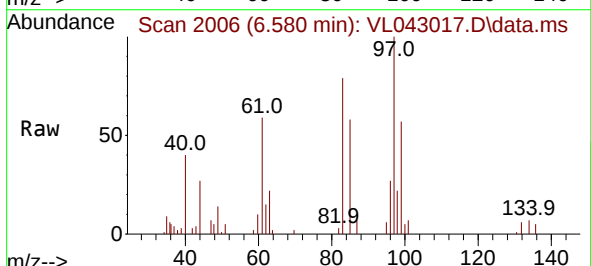
RT: 6.580 min Scan# 2006

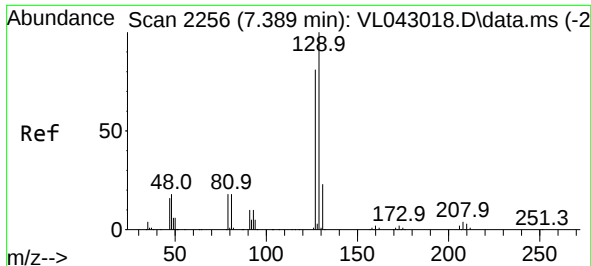
Delta R.T. -0.003 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

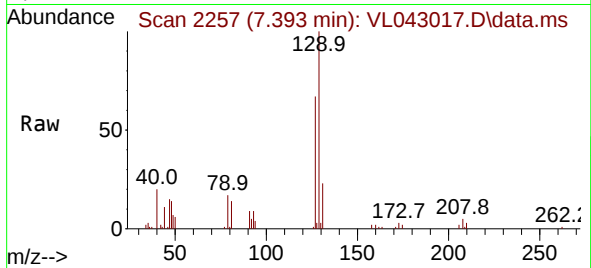
Tgt Ion: 97	Resp: 9148
Ion Ratio	Lower Upper
97 100	
83 79.4	69.6 104.4
85 57.6	44.6 66.8
99 56.7	49.2 73.8





#48
Dibromochloromethane
Concen: 0.494 ppbv
RT: 7.393 min Scan# 211
Delta R.T. 0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

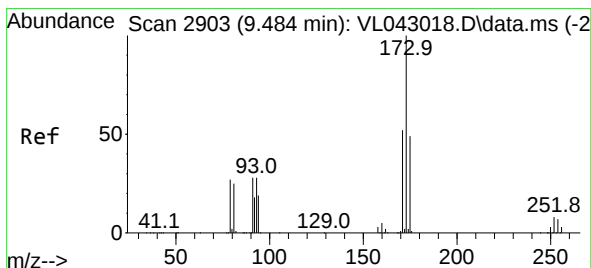
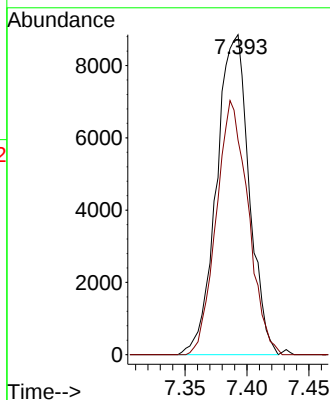
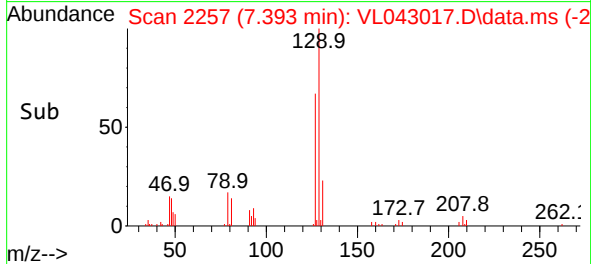
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



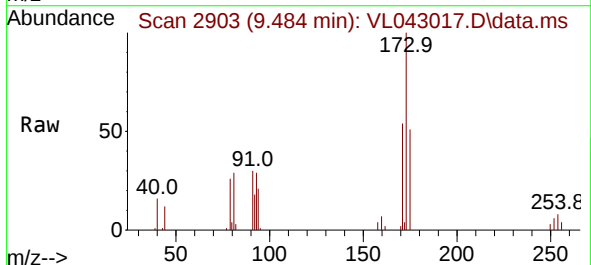
Tgt Ion:129 Resp: 1621
Ion Ratio Lower Upper
129 100
127 77.9 38.6 116.0

Manual Integrations
APPROVED

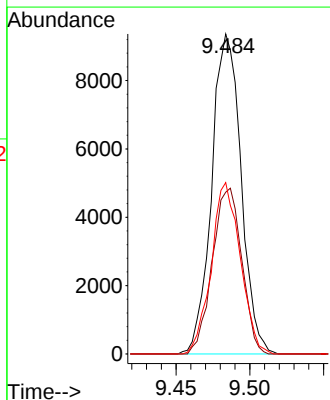
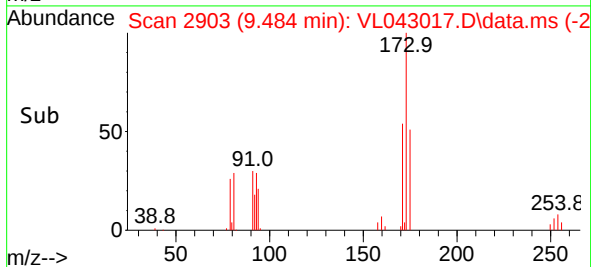
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

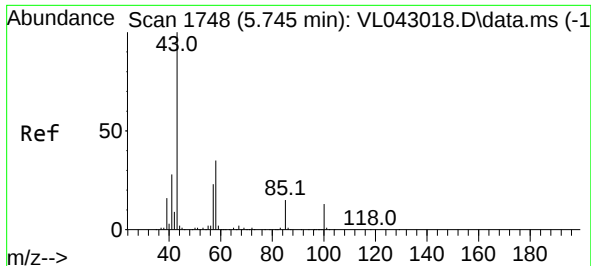


#49
Bromoform
Concen: 0.466 ppbv
RT: 9.484 min Scan# 2903
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30



Tgt Ion:173 Resp: 12975
Ion Ratio Lower Upper
173 100
175 51.8 39.1 58.7
171 52.9 41.4 62.0





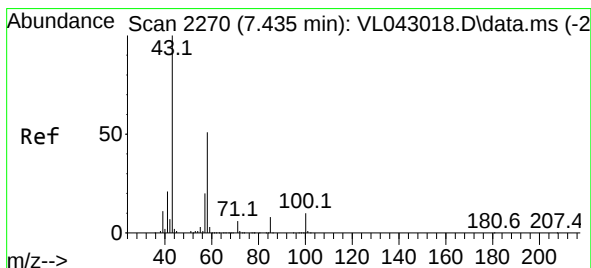
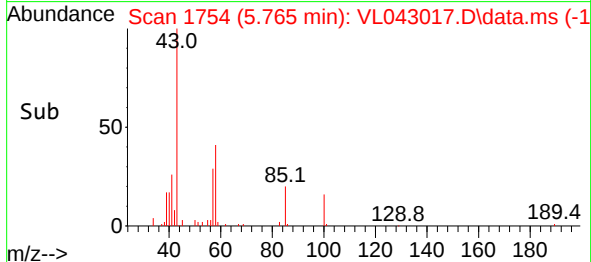
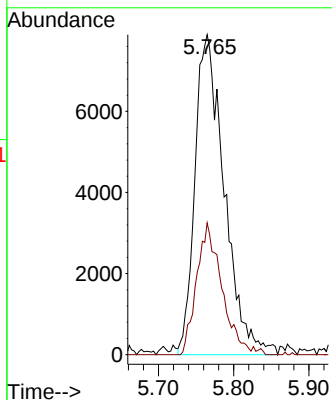
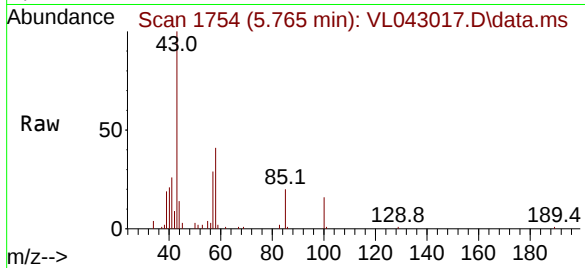
#50
4-Methyl-2-Pentanone
Concen: 0.488 ppbv m
RT: 5.765 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 21364
Ion Ratio Lower Upper
43 100
58 35.7 29.4 44.2

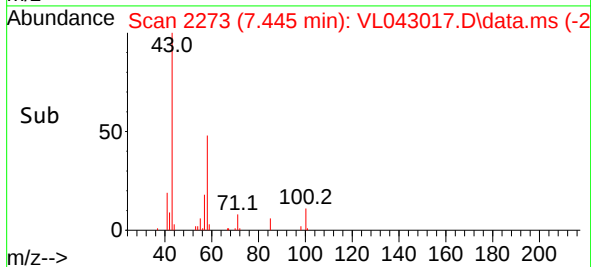
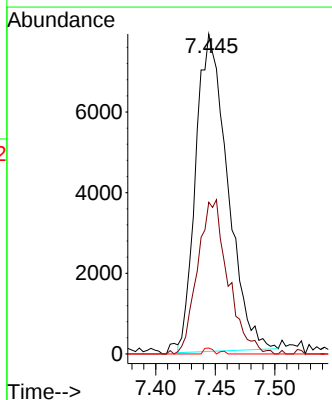
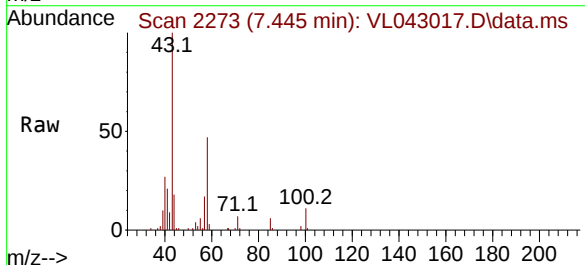
Manual Integrations
APPROVED

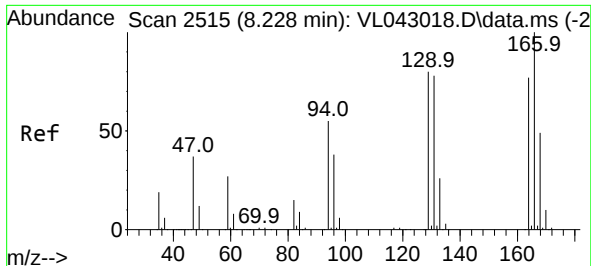
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#51
2-Hexanone
Concen: 0.453 ppbv
RT: 7.445 min Scan# 2273
Delta R.T. 0.010 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

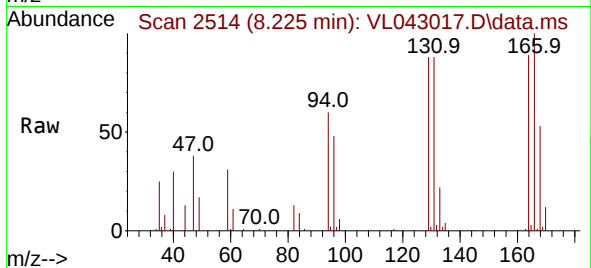
Tgt Ion: 43 Resp: 14633
Ion Ratio Lower Upper
43 100
58 46.4 39.7 59.5
98 0.7 0.2 0.4#





#52
Tetrachloroethene
Concen: 0.464 ppbv
RT: 8.225 min Scan# 2115
Delta R.T. -0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

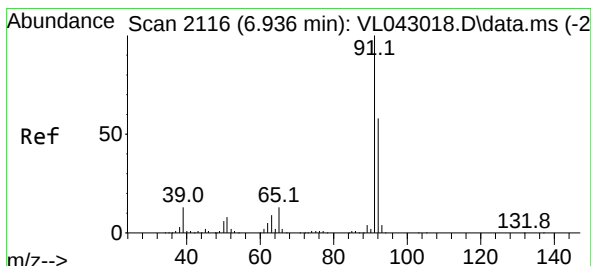
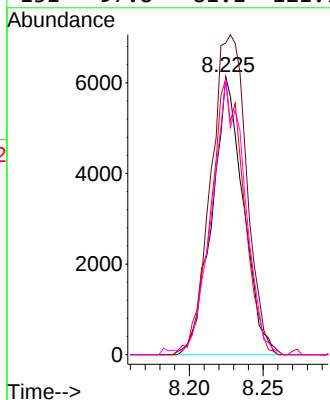
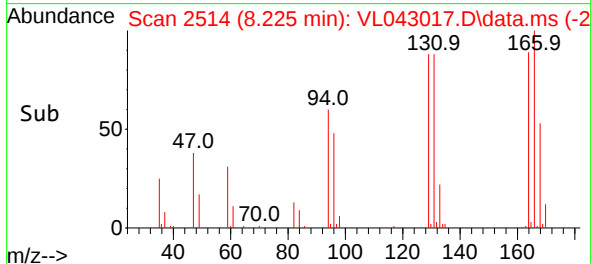
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



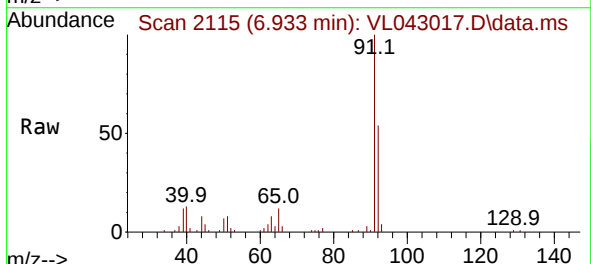
Tgt Ion:164 Resp: 9039
Ion Ratio Lower Upper
164 100
166 111.0 103.5 155.3
129 99.1 82.6 124.0
131 97.8 81.1 121.7

Manual Integrations
APPROVED

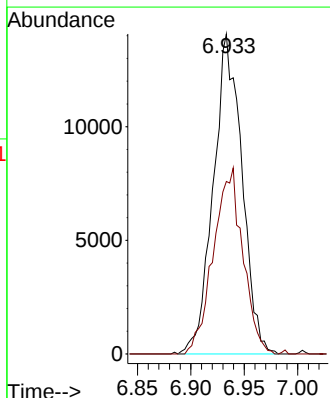
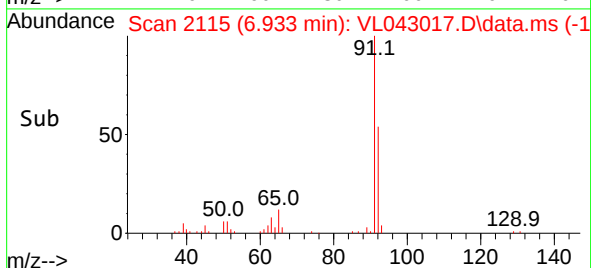
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

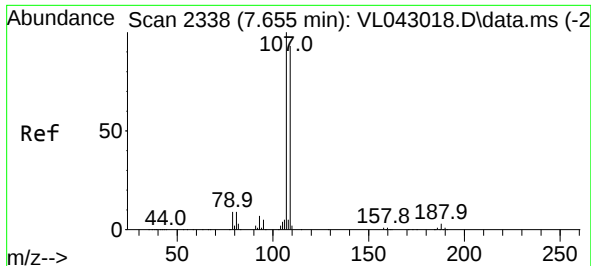


#53
Toluene
Concen: 0.480 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. -0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30



Tgt Ion: 91 Resp: 26144
Ion Ratio Lower Upper
91 100
92 60.1 47.7 71.5





#54

1,2-Dibromoethane

Concen: 0.493 ppbv

RT: 7.655 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:107 Resp: 1308

Ion Ratio Lower Upper

107 100

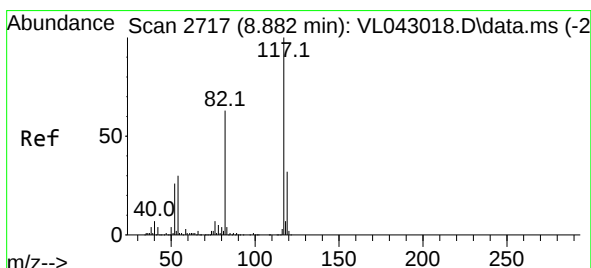
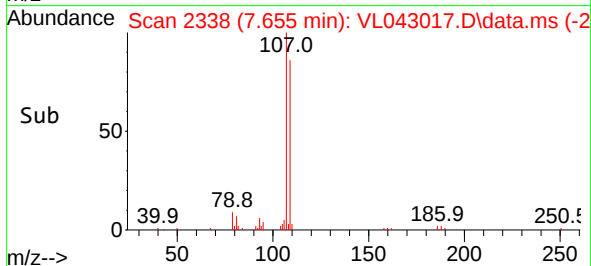
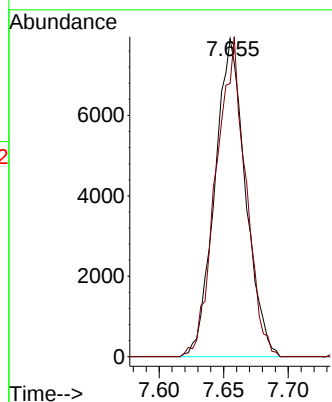
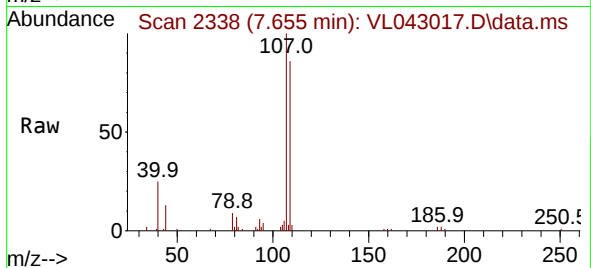
109 85.9 74.6 111.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 2717

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

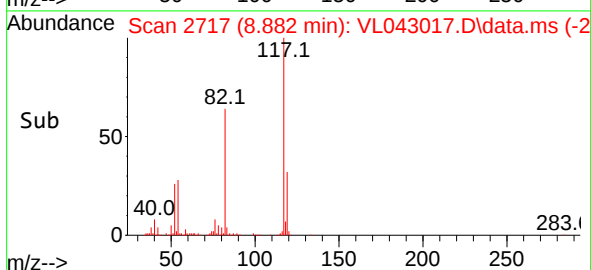
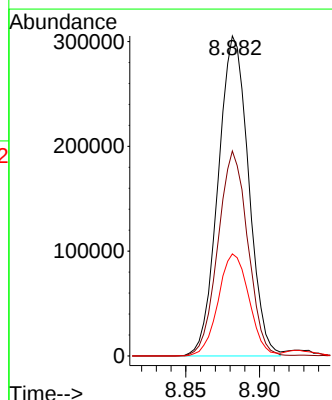
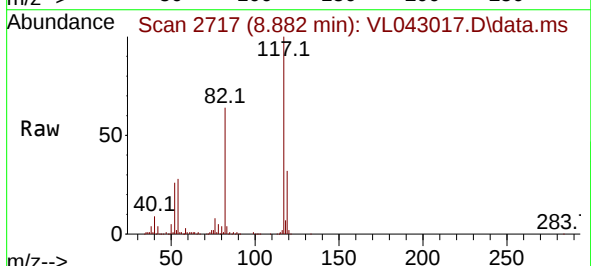
Tgt Ion:117 Resp: 437801

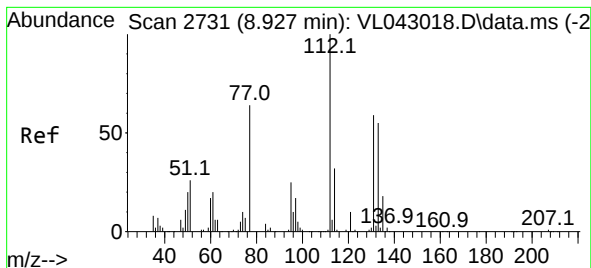
Ion Ratio Lower Upper

117 100

82 63.0 52.6 78.8

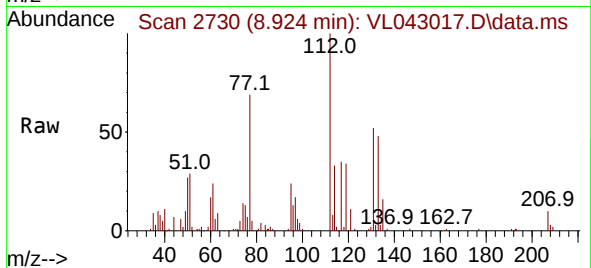
119 34.0 26.4 39.6





#56
1,1,1,2-Tetrachloroethane
Concen: 0.484 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

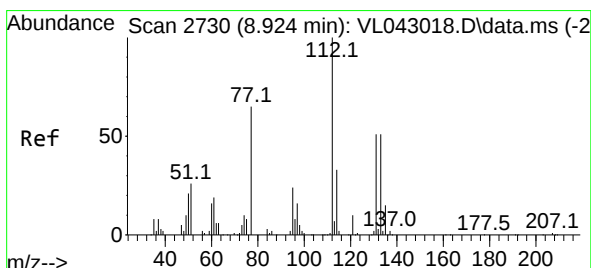
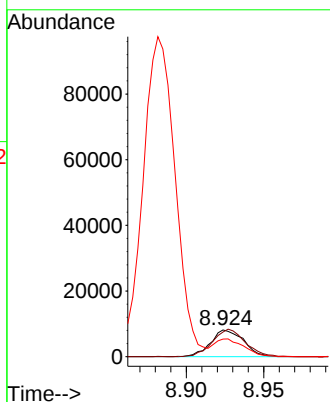
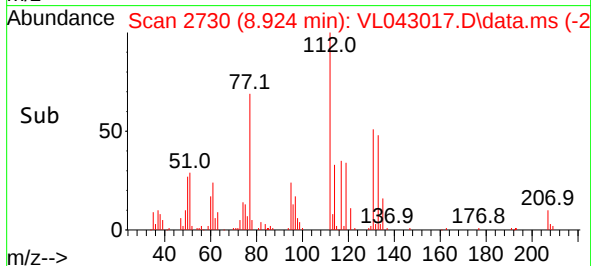
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:131 Resp: 12010
Ion Ratio Lower Upper
131 100
133 102.7 76.6 114.8
119 1239.7 48.8 73.2

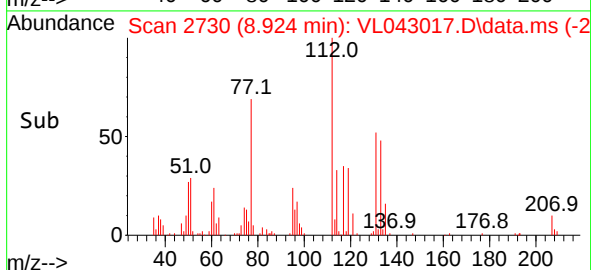
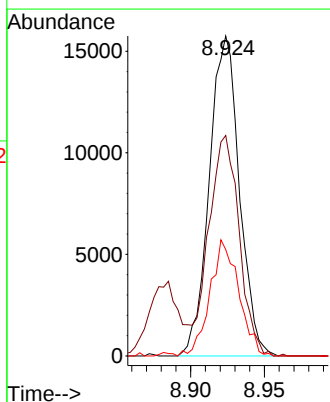
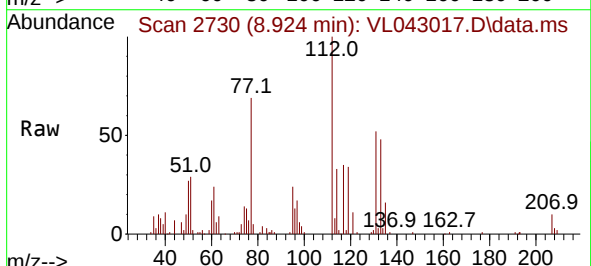
Manual Integrations
APPROVED

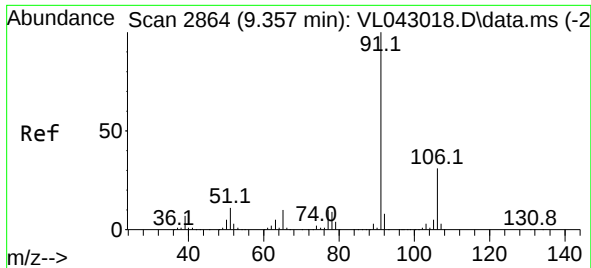
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#57
Chlorobenzene
Concen: 0.495 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

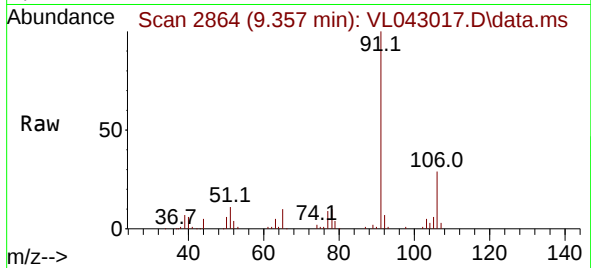
Tgt Ion:112 Resp: 22360
Ion Ratio Lower Upper
112 100
77 68.9 52.7 79.1
114 33.3 29.5 36.1





#58
Ethyl Benzene
Concen: 0.473 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

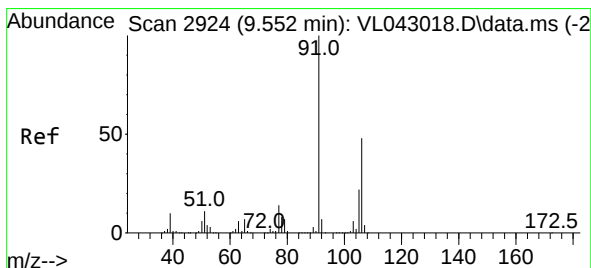
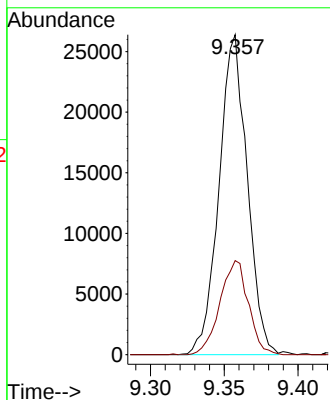
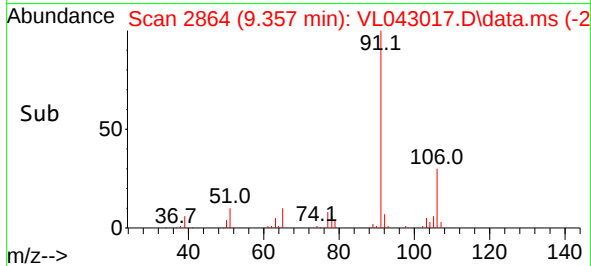
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 91 Resp: 35069
Ion Ratio Lower Upper
91 100
106 29.4 24.8 37.2

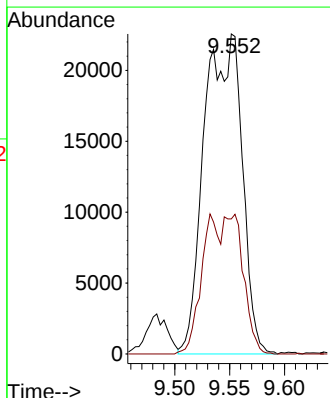
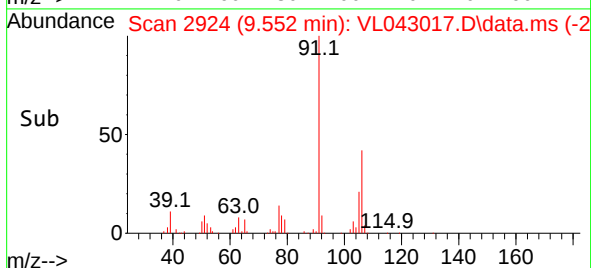
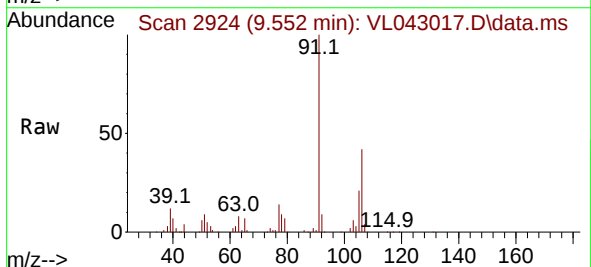
Manual Integrations
APPROVED

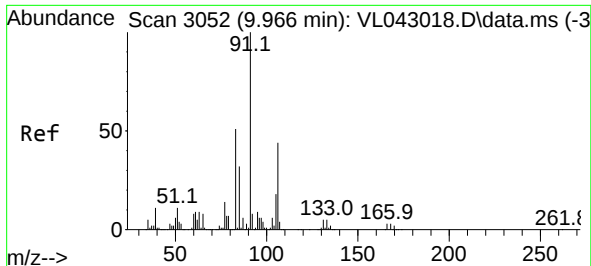
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#59
m/p-Xylene
Concen: 0.904 ppbv m
RT: 9.552 min Scan# 2924
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion: 91 Resp: 54003
Ion Ratio Lower Upper
91 100
106 0.0 38.1 57.1#





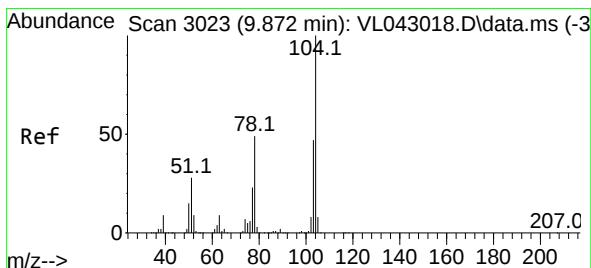
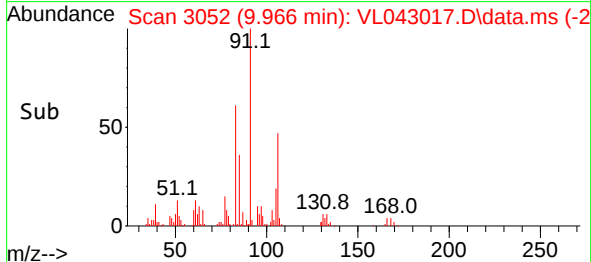
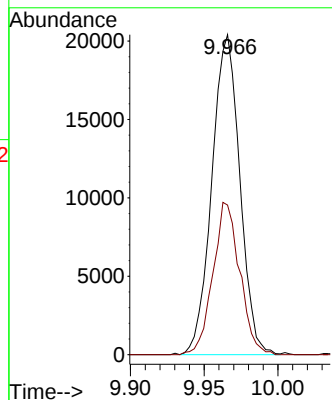
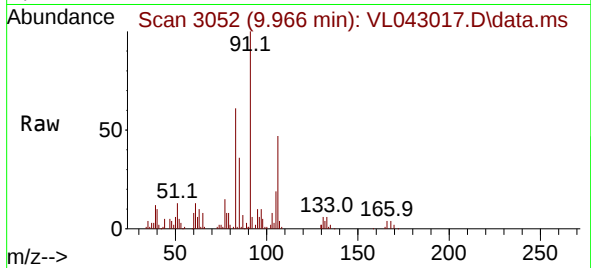
#60
o-Xylene
Concen: 0.454 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 2694
Ion Ratio Lower Upper
91 100
106 45.6 22.2 66.6

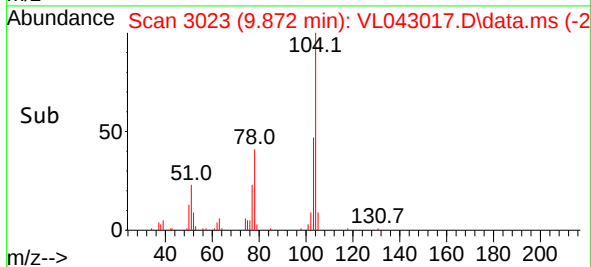
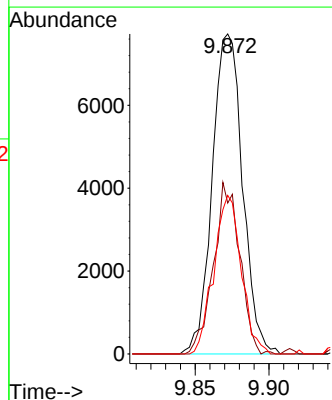
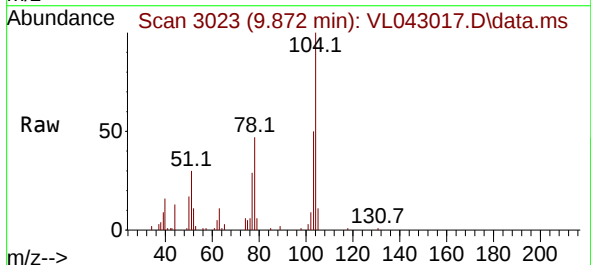
Manual Integrations
APPROVED

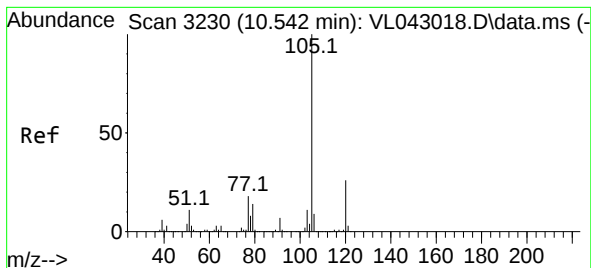
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#61
Styrene
Concen: 0.439 ppbv
RT: 9.872 min Scan# 3023
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion:104 Resp: 11039
Ion Ratio Lower Upper
104 100
78 46.4 39.0 58.4
103 44.9 37.4 56.2





#62

Isopropylbenzene

Concen: 0.465 ppbv

RT: 10.542 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 4109

Ion Ratio Lower Upper

105 100

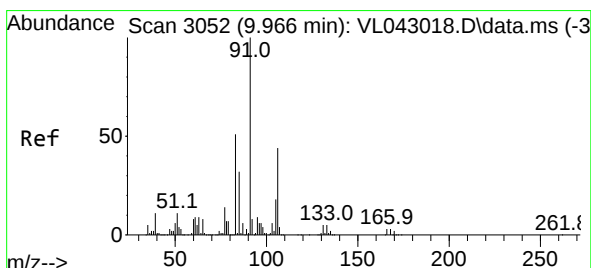
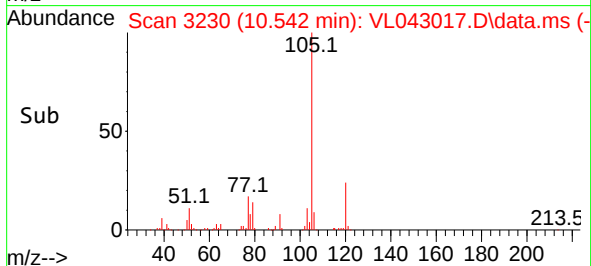
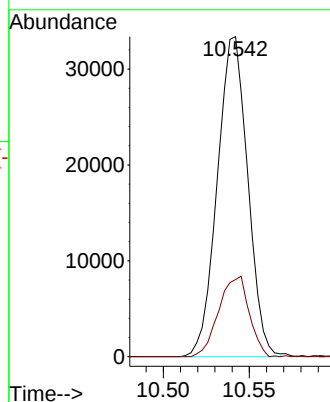
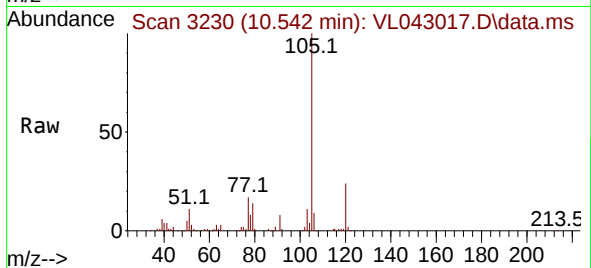
120 25.1 20.7 31.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#63

1,1,2,2-Tetrachloroethane

Concen: 0.489 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

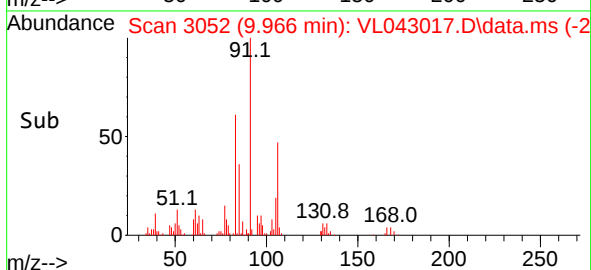
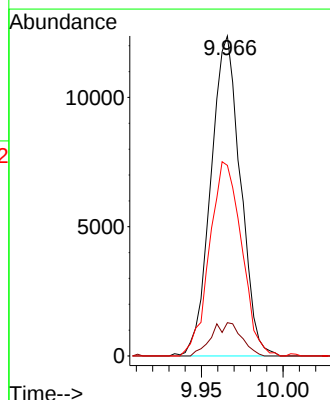
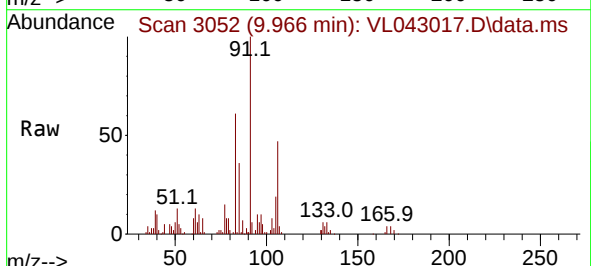
Tgt Ion: 83 Resp: 15583

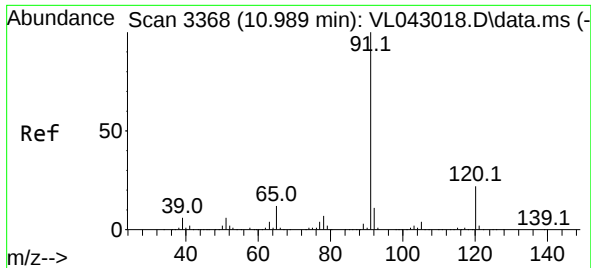
Ion Ratio Lower Upper

83 100

131 10.6 5.0 14.9

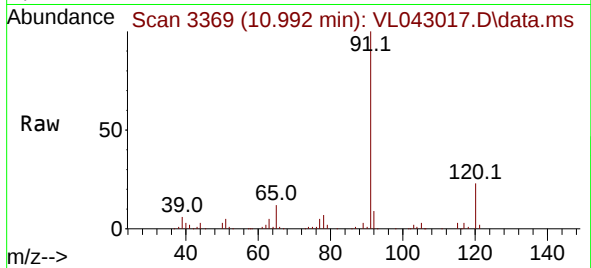
85 66.0 32.2 96.6





#64
n-propylbenzene
Concen: 0.463 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

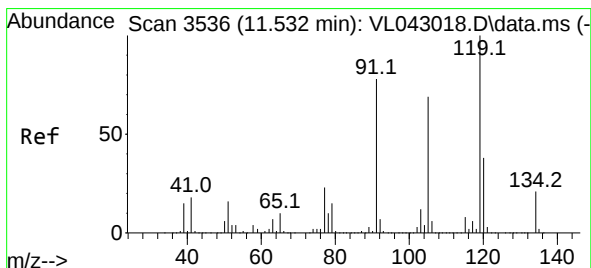
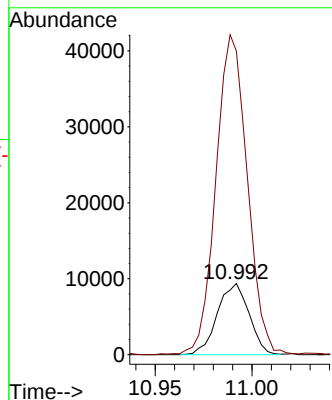
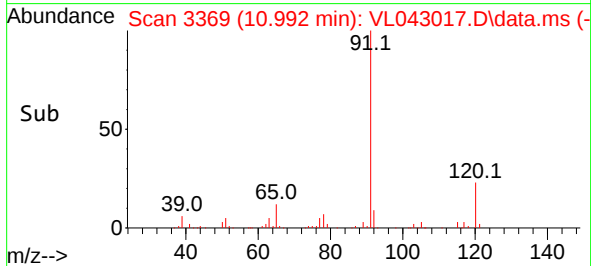
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:120 Resp: 1066
Ion Ratio Lower Upper
120 100
91 448.7 365.6 548.4

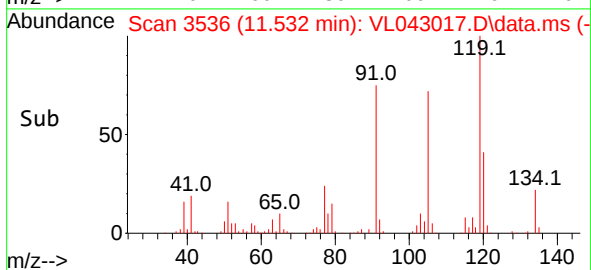
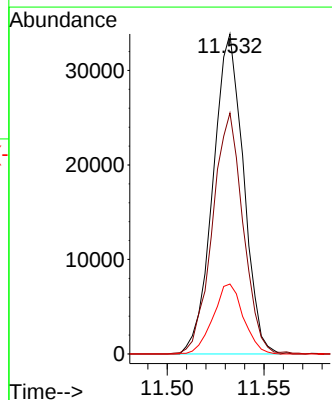
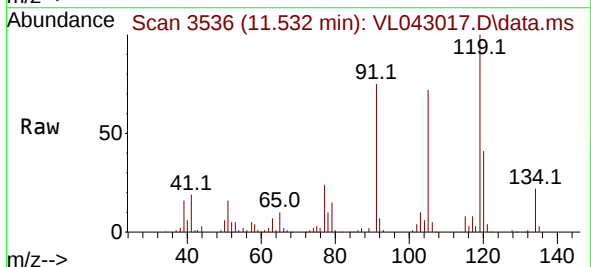
Manual Integrations
APPROVED

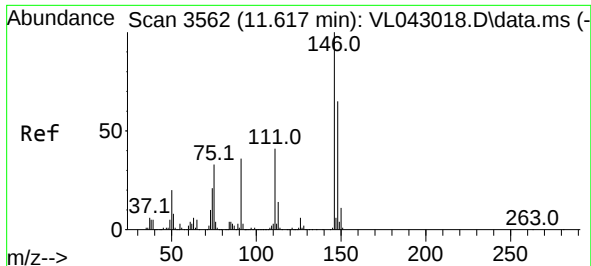
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#65
tert-Butylbenzene
Concen: 0.462 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

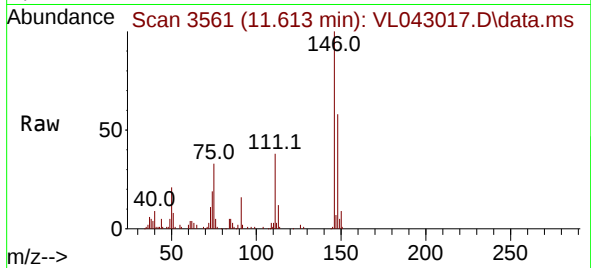
Tgt Ion:119 Resp: 36952
Ion Ratio Lower Upper
119 100
91 76.1 62.6 93.8
134 21.8 16.7 25.1





#66
Benzyl Chloride
Concen: 0.474 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

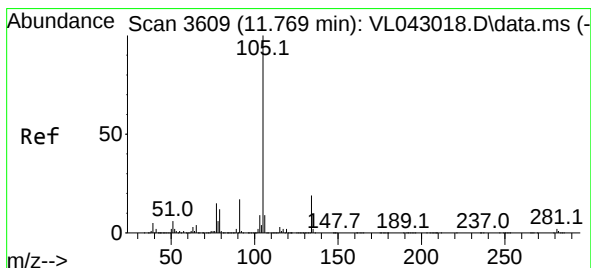
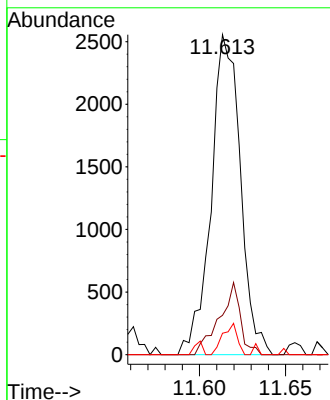
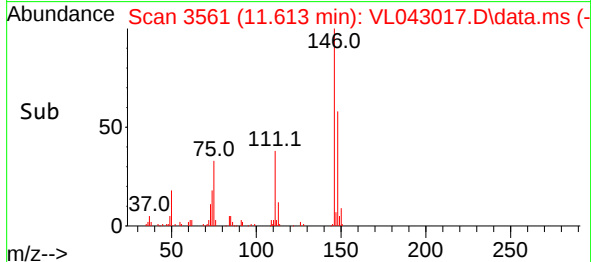
Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5



Tgt Ion: 91 Resp: 302
Ion Ratio Lower Upper
91 100
126 16.2 14.1 21.1
128 6.8 4.9 7.3

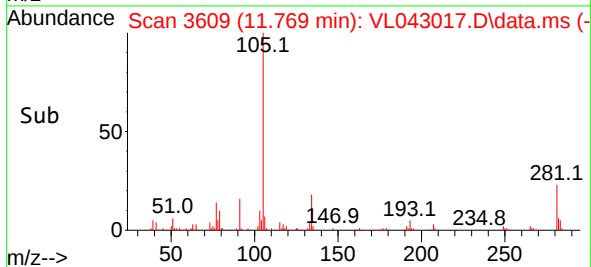
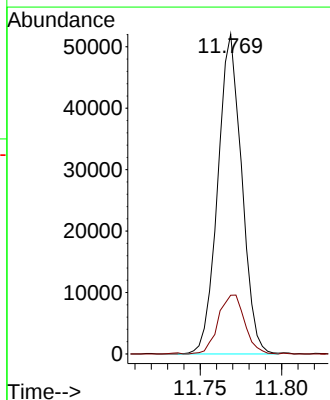
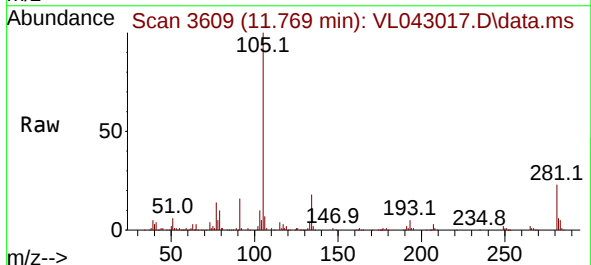
Manual Integrations
APPROVED

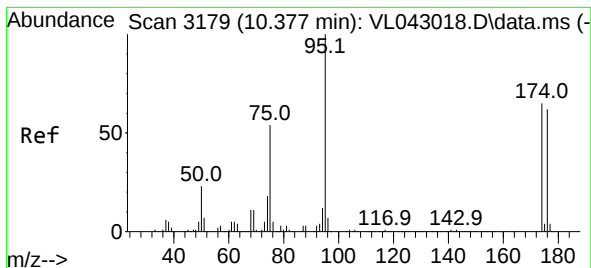
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#67
sec-Butylbenzene
Concen: 0.476 ppbv
RT: 11.769 min Scan# 3609
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

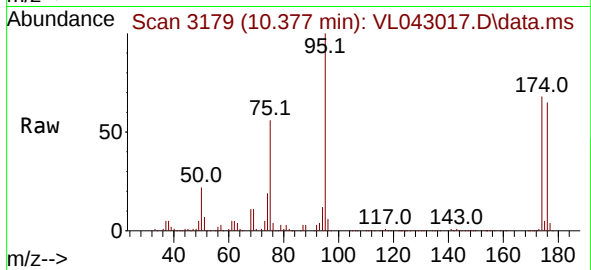
Tgt Ion:105 Resp: 53153
Ion Ratio Lower Upper
105 100
134 20.5 15.4 23.2





#68
1-Bromo-4-Fluorobenzene
Concen: 10.050 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

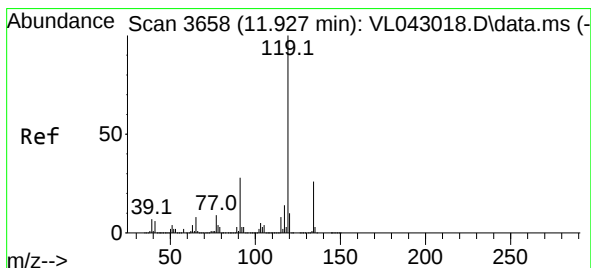
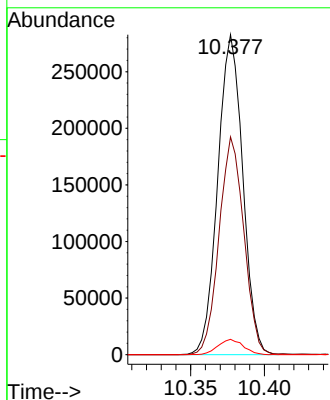
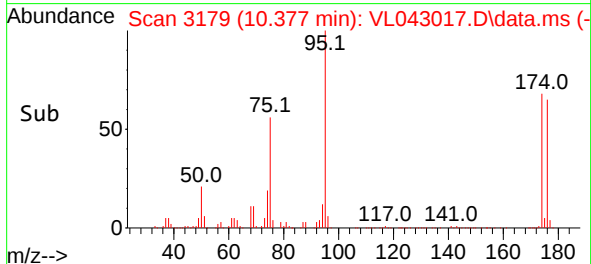
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



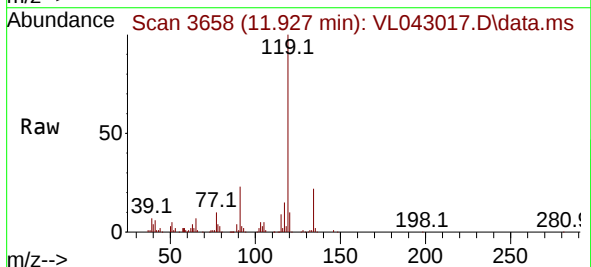
Tgt Ion: 95 Resp: 333290
Ion Ratio Lower Upper
95 100
174 67.8 53.4 80.2
175 4.9 3.8 5.8

Manual Integrations
APPROVED

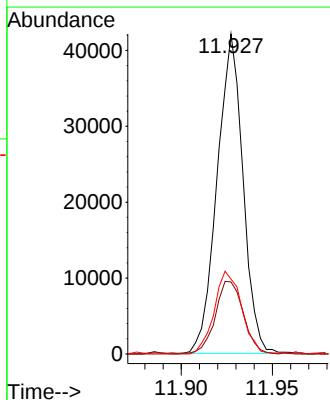
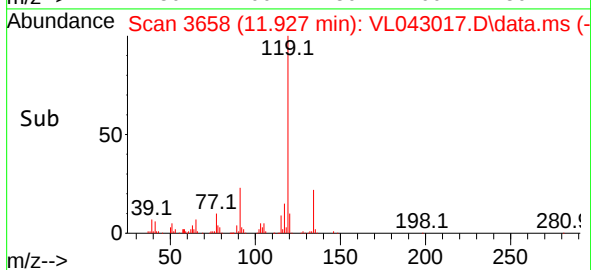
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

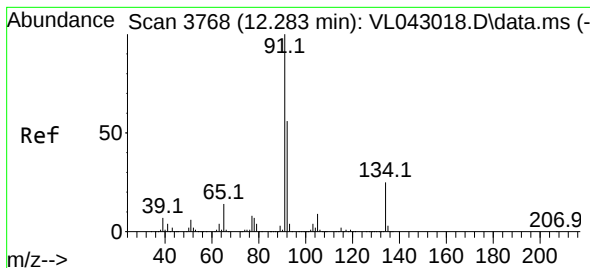


#69
p-Isopropyltoluene
Concen: 0.446 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30



Tgt Ion:119 Resp: 41409
Ion Ratio Lower Upper
119 100
134 24.8 20.3 30.5
91 27.9 22.1 33.1





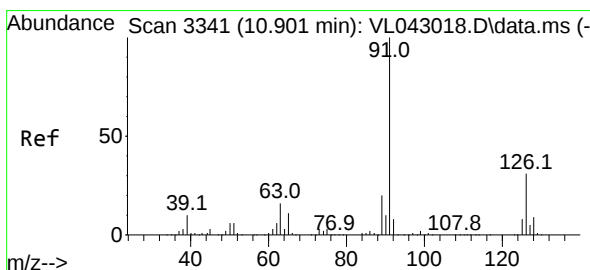
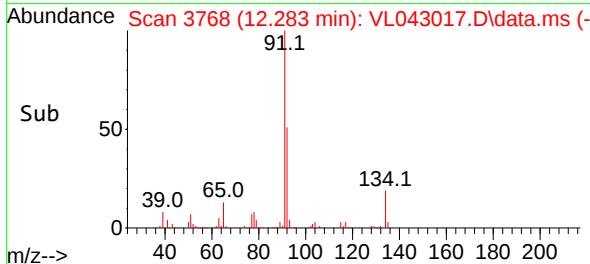
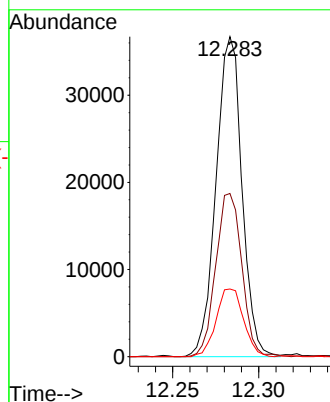
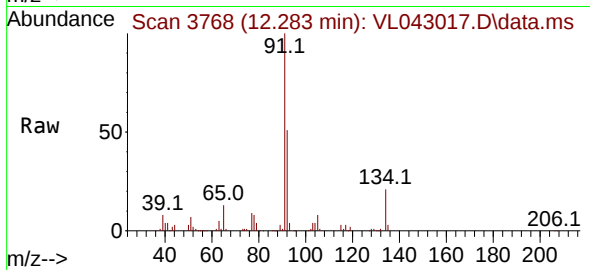
#70
n-Butylbenzene
Concen: 0.429 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 3847
Ion Ratio Lower Upper
91 100
92 51.5 44.2 66.4
134 22.6 19.5 29.3

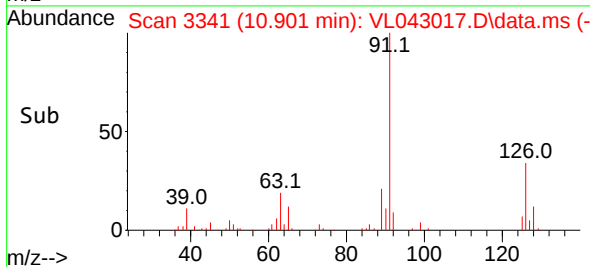
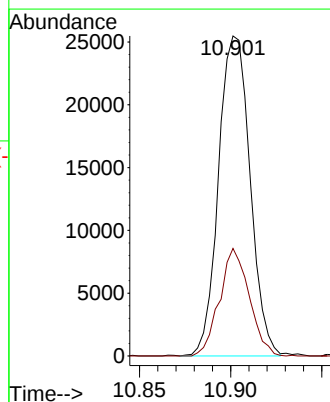
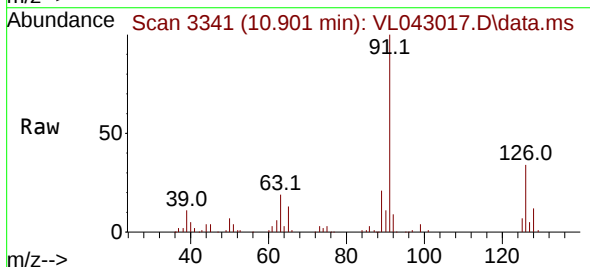
Manual Integrations
APPROVED

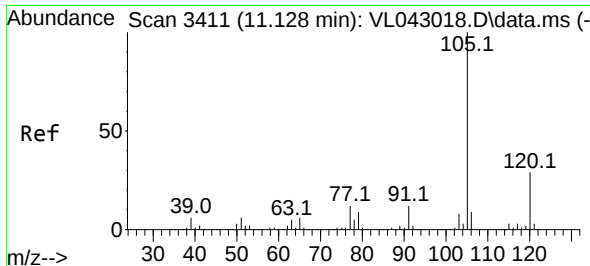
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#71
2-Chlorotoluene
Concen: 0.465 ppbv
RT: 10.901 min Scan# 3341
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

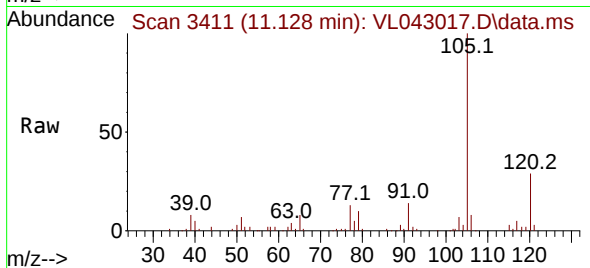
Tgt Ion: 91 Resp: 30635
Ion Ratio Lower Upper
91 100
126 31.6 12.3 49.3





#72
4-Ethyltoluene
Concen: 0.451 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

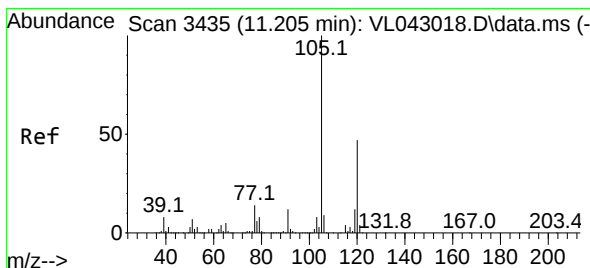
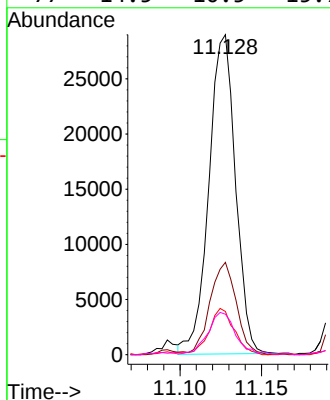
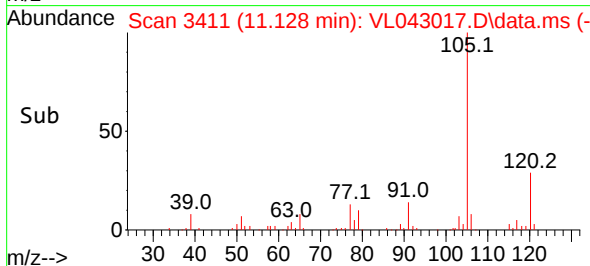
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



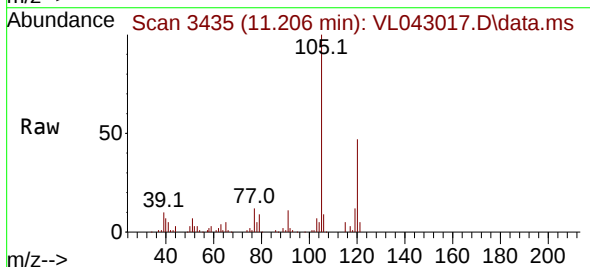
Tgt Ion:105 Resp: 32889
Ion Ratio Lower Upper
105 100
120 29.8 23.6 35.4
91 14.7 10.0 15.0
77 14.5 10.5 15.7

Manual Integrations
APPROVED

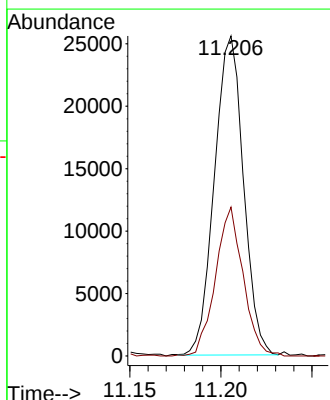
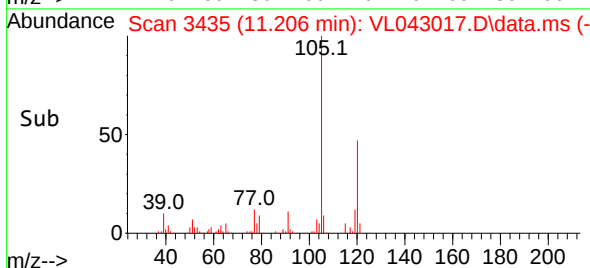
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

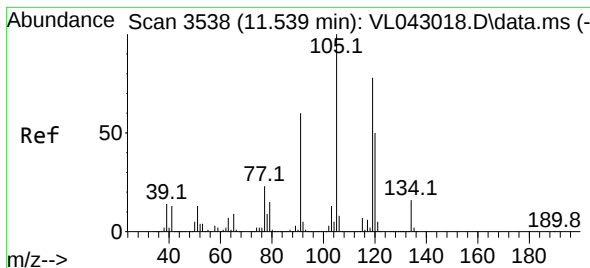


#73
1,3,5-Trimethylbenzene
Concen: 0.459 ppbv
RT: 11.206 min Scan# 3435
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30



Tgt Ion:105 Resp: 28249
Ion Ratio Lower Upper
105 100
120 46.4 37.4 56.2





#74

1,2,4-Trimethylbenzene

Concen: 0.457 ppbv

RT: 11.536 min Scan# 3172

Delta R.T. -0.003 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

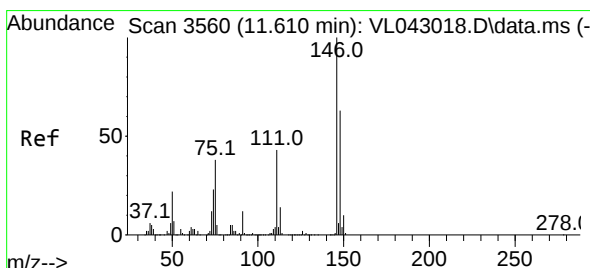
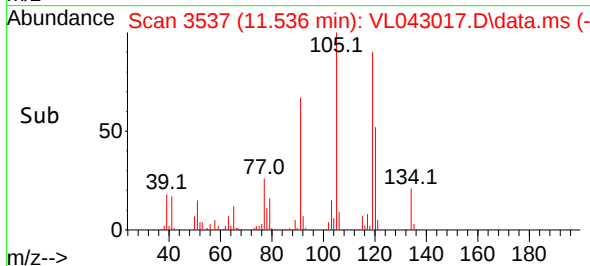
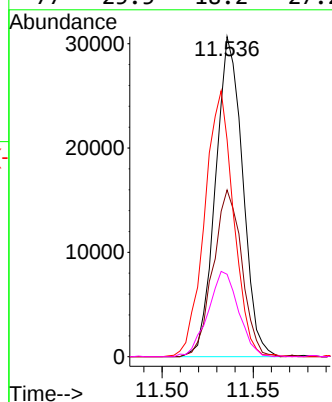
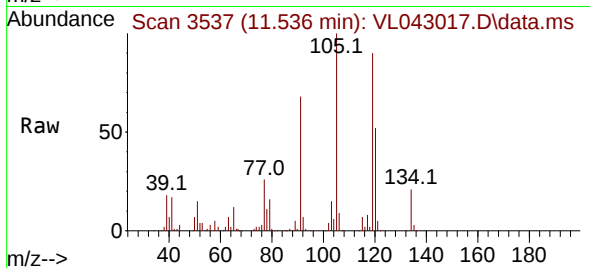
Tgt Ion:	105	Resp:	3172
Ion Ratio	Lower	Upper	
105	100		
120	52.1	40.3	60.5
91	67.6	47.7	71.5
77	25.5	18.2	27.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#75

1,3-Dichlorobenzene

Concen: 0.478 ppbv

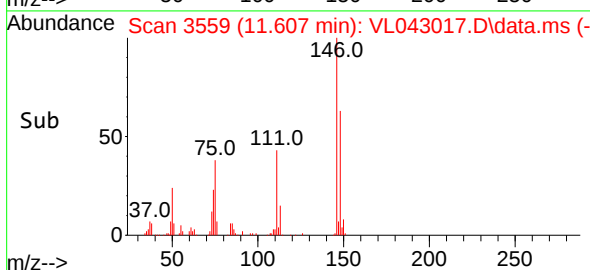
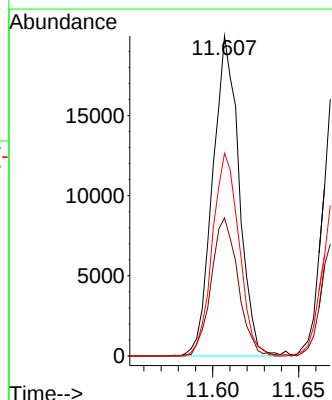
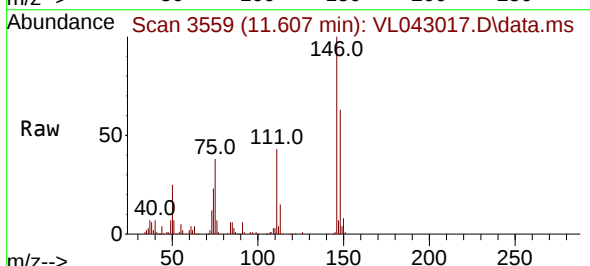
RT: 11.607 min Scan# 3559

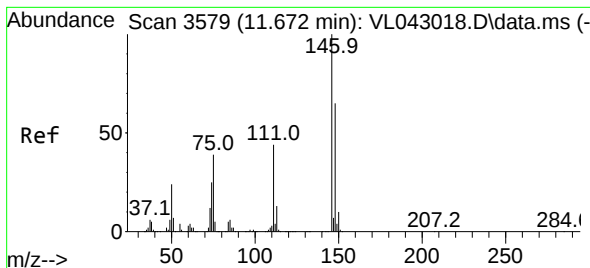
Delta R.T. -0.003 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Tgt Ion:	146	Resp:	21220
Ion Ratio	Lower	Upper	
146	100		
111	44.0	22.0	66.0
148	64.4	31.9	95.7





#76

1,4-Dichlorobenzene

Concen: 0.472 ppbv

RT: 11.672 min Scan# 3579

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

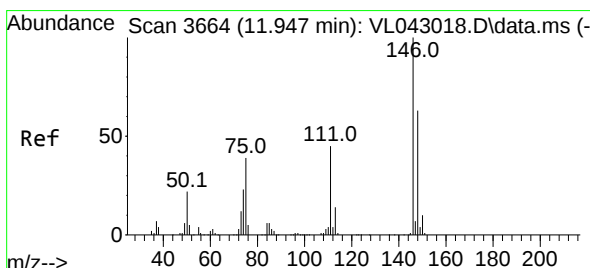
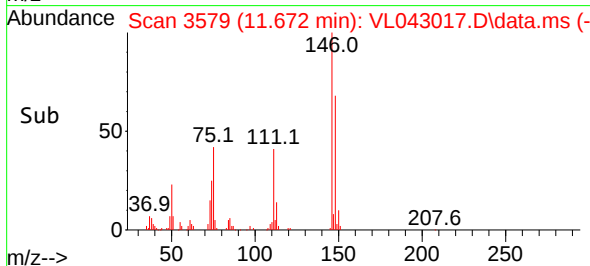
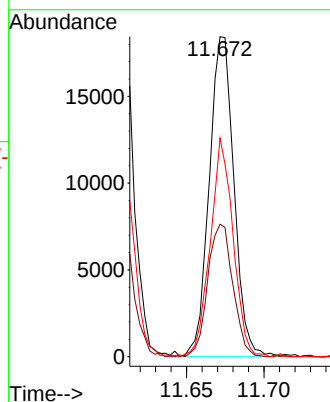
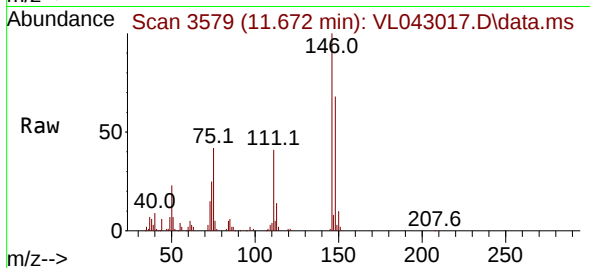
VSTDICC0.5

Tgt Ion:	146	Resp:	2048
Ion Ratio	Lower	Upper	
146	100		
111	42.1	21.9	65.5
148	63.3	32.4	97.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#77

1,2-Dichlorobenzene

Concen: 0.486 ppbv

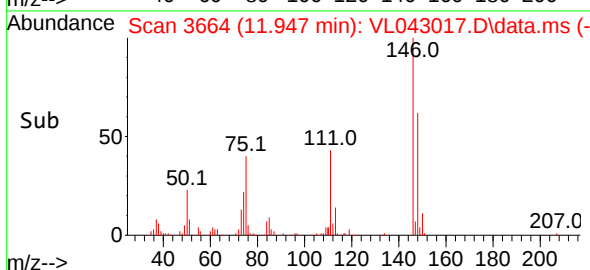
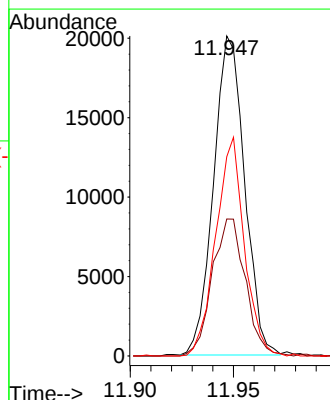
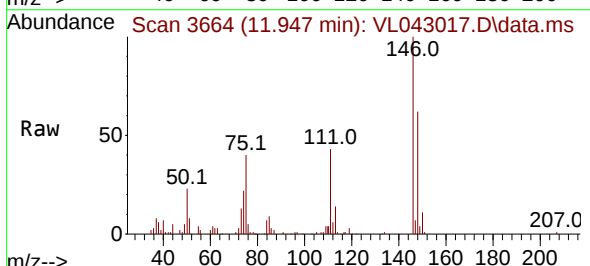
RT: 11.947 min Scan# 3664

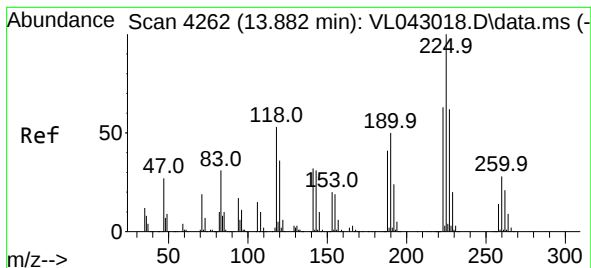
Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Tgt Ion:	146	Resp:	21043
Ion Ratio	Lower	Upper	
146	100		
111	45.9	22.9	68.5
148	63.0	31.8	95.4





#78

Hexachloro-1,3-Butadiene

Concen: 0.524 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

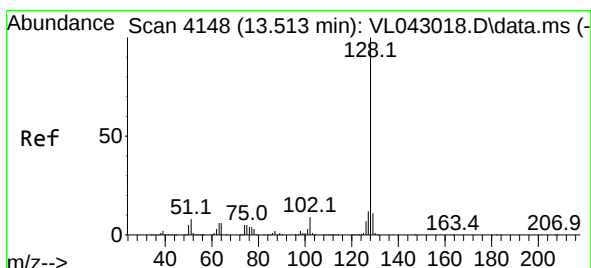
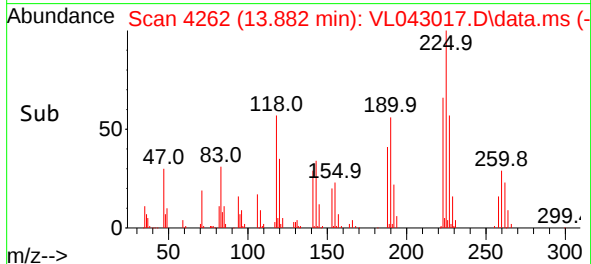
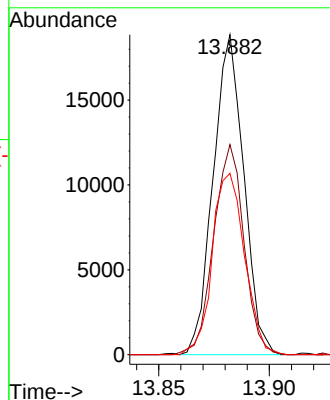
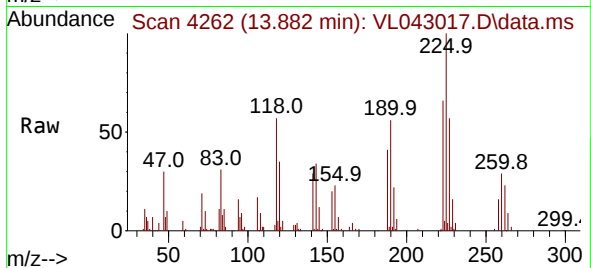
VSTDIC0.5

Tgt Ion:	225	Resp:	18149
Ion Ratio	Lower	Upper	
225	100		
223	64.7	50.9	76.3
227	59.8	50.3	75.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#79

Naphthalene

Concen: 0.421 ppbv m

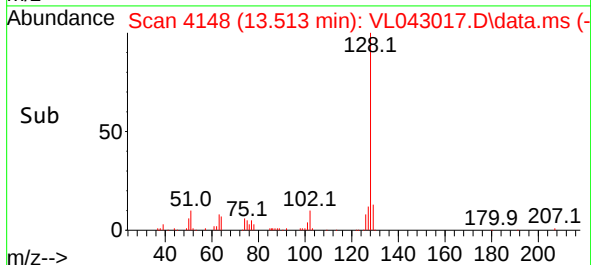
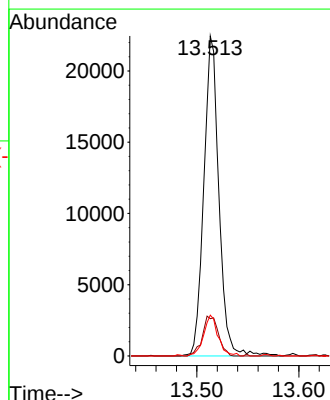
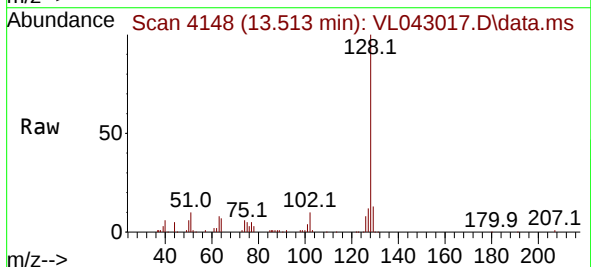
RT: 13.513 min Scan# 4148

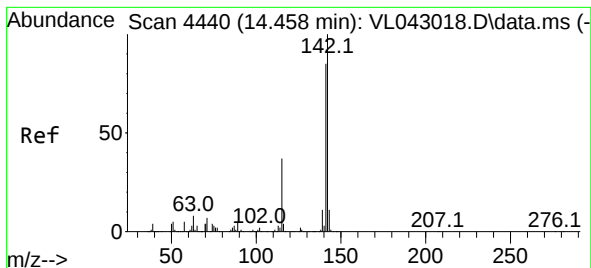
Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Tgt Ion:	128	Resp:	23068
Ion Ratio	Lower	Upper	
128	100		
127	11.6	9.9	14.9
129	12.7	8.6	13.0





#80

Naphthalene, 2-methyl-

Concen: 0.387 ppbv m

RT: 14.462 min Scan# 4441

Delta R.T. 0.003 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

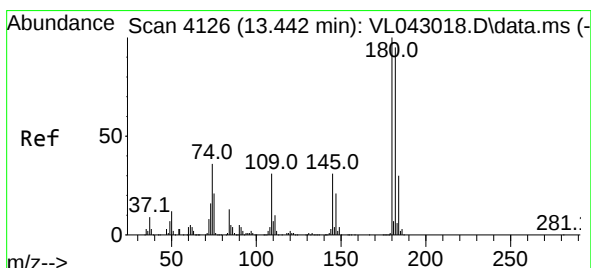
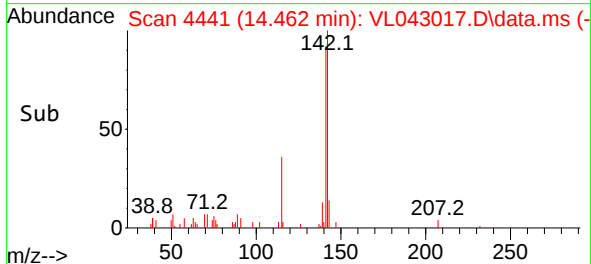
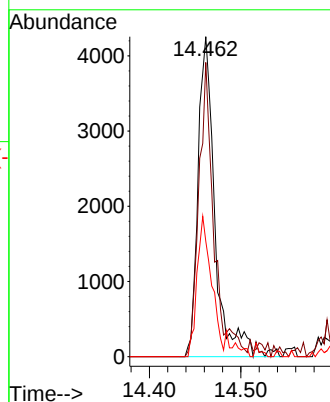
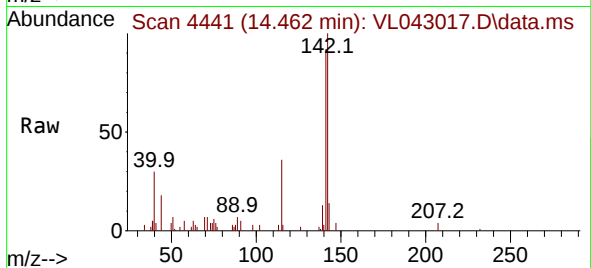
Tgt Ion:	142	Resp:	5489
Ion Ratio	Lower	Upper	
142	100		
141	81.4	67.0	100.4
115	43.4	29.8	44.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#81

1,2,4-Trichlorobenzene

Concen: 0.377 ppbv

RT: 13.439 min Scan# 4125

Delta R.T. -0.003 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Tgt Ion:	180	Resp:	12539
Ion Ratio	Lower	Upper	
180	100		
182	92.2	75.8	113.8
184	30.7	24.2	36.4

