

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043079.D
 Acq On : 09 Oct 2025 09:29
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

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

Quant Time: Oct 09 22:11:22 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

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

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	197992	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.942	114	568897	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	498408	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.364 95 412204 11.481 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 114.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	308523	9.246	ppbv	100
3) Chlorodifluoromethane	1.473	51	295319	9.148	ppbv	99
4) Chloromethane	1.531	50	112822	9.256	ppbv	97
5) Vinyl Chloride	1.576	62	106666	9.221	ppbv	97
6) Bromomethane	1.664	94	48615	9.353	ppbv	98
7) Chloroethane	1.699	64	44248	9.167	ppbv	98
8) Dichlorotetrafluoroethane	1.550	85	254941	9.324	ppbv	99
9) Propene	1.479	41	117817	9.052	ppbv	97
10) Heptane	4.959	43	328840	10.276	ppbv	99
11) Trichlorofluoromethane	1.874	101	314461	9.170	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.133	101	248138	9.187	ppbv	98
13) Ethanol	1.716	45	5305	9.977	ppbv	96
14) Bromoethene	1.777	108	90727	9.370	ppbv	99
15) Acetone	1.829	43	230776	8.325	ppbv	100
16) 1,3-Butadiene	1.605	39	105234	9.207	ppbv	99
17) tert-Butyl alcohol	2.033	59	272568	9.295	ppbv	100
18) 1,1-Dichloroethene	2.029	96	109177	9.221	ppbv	94
19) Isopropyl Alcohol	1.881	45	118918	8.953	ppbv	98
20) Methylene Chloride	2.055	84	94670	7.824	ppbv	95
21) Allyl Chloride	2.091	41	165355	9.310	ppbv	99
22) trans-1,2-Dichloroethene	2.334	96	122834	9.138	ppbv	97
23) Vinyl Acetate	2.453	43	50211	8.531	ppbv	97
24) 1,1-Dichloroethane	2.402	63	236357	9.276	ppbv	99
25) Ethyl Acetate	2.822	43	674648	9.701	ppbv	100
26) Hexane	2.816	57	262689	9.819	ppbv	98
27) Carbon Disulfide	2.146	76	295221	9.347	ppbv	100
28) Methyl tert-Butyl Ether	2.431	73	149976	8.958	ppbv	99
29) Chloroform	2.839	83	416143	9.124	ppbv	99
30) Cyclohexane	3.842	84	216243	9.837	ppbv	98
31) cis-1,2-Dichloroethene	2.712	61	250538	9.110	ppbv	99
32) 1,1,1-Trichloroethane	3.356	97	396570	8.946	ppbv	99
34) 2-Butanone	2.547	43	368929	9.558	ppbv	99
35) Carbon Tetrachloride	3.748	117	422481	9.026	ppbv	99
36) Benzene	3.645	78	523478	9.631	ppbv	99
37) 1,2-Dichloroethane	3.208	62	303020	9.413	ppbv	100
38) Trichloroethene	4.528	130	218456	9.648	ppbv	98
39) 1,2-Dichloropropane	4.298	63	191644	9.512	ppbv	97
40) 1,4-Dioxane	4.557	88	85932	9.944	ppbv #	94
41) Tetrahydrofuran	3.039	42	206359	10.344	ppbv	98
42) Bromodichloromethane	4.470	83	434122	9.550	ppbv	97
43) Methyl Methacrylate	4.858	69	184234	10.211	ppbv	99
44) 2,2,4-Trimethylpentane	4.622	57	887460	10.175	ppbv	99
45) t-1,3-Dichloropropene	6.389	75	156138	9.456	ppbv	99

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Quant Time: Oct 09 22:11:22 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

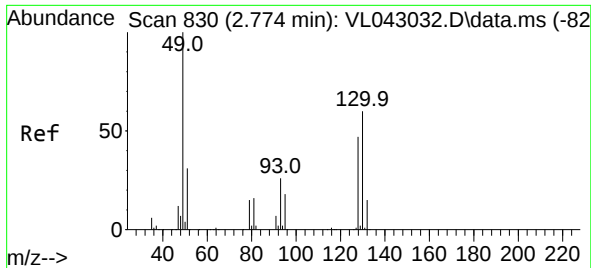
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

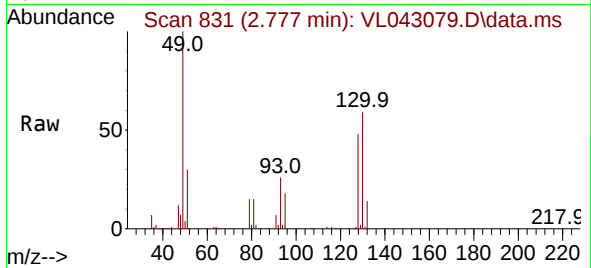
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.577	75	225445	9.690	ppbv	97
47) 1,1,2-Trichloroethane	6.561	97	210090	9.375	ppbv	98
48) Dibromochloromethane	7.370	129	350743	9.590	ppbv	100
49) Bromoform	9.467	173	306339	10.029	ppbv	100
50) 4-Methyl-2-Pentanone	5.722	43	499008	10.601	ppbv	99
51) 2-Hexanone	7.415	43	379224	11.318	ppbv #	98
52) Tetrachloroethene	8.208	164	180730	8.980	ppbv	98
53) Toluene	6.914	91	563029	10.261	ppbv	100
54) 1,2-Dibromoethane	7.632	107	258790	9.743	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.911	131	278761	9.176	ppbv	99
57) Chlorobenzene	8.907	112	476463	9.043	ppbv	100
58) Ethyl Benzene	9.341	91	790793	10.241	ppbv	99
59) m/p-Xylene	9.538	91	1339639m	20.570	ppbv	
60) o-Xylene	9.950	91	669997	10.327	ppbv	99
61) Styrene	9.856	104	285291	10.497	ppbv	100
62) Isopropylbenzene	10.526	105	1002224	10.064	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.950	83	429967	9.238	ppbv	100
64) n-propylbenzene	10.979	120	267283	10.492	ppbv	100
65) tert-Butylbenzene	11.519	119	912563	10.296	ppbv	99
66) Benzyl Chloride	11.603	91	34544	10.197	ppbv	99
67) sec-Butylbenzene	11.759	105	1253016	10.131	ppbv	100
69) p-Isopropyltoluene	11.914	119	1045052	10.387	ppbv	100
70) n-Butylbenzene	12.270	91	1027696	10.608	ppbv	100
71) 2-Chlorotoluene	10.888	91	728220	10.103	ppbv	100
72) 4-Ethyltoluene	11.115	105	815476	10.561	ppbv	100
73) 1,3,5-Trimethylbenzene	11.192	105	686235	10.273	ppbv	99
74) 1,2,4-Trimethylbenzene	11.526	105	777637	10.315	ppbv	98
75) 1,3-Dichlorobenzene	11.597	146	466131	9.506	ppbv	100
76) 1,4-Dichlorobenzene	11.662	146	464723	9.940	ppbv	99
77) 1,2-Dichlorobenzene	11.937	146	447776	9.168	ppbv	99
78) Hexachloro-1,3-Butadiene	13.872	225	300771	8.838	ppbv	99
79) Naphthalene	13.503	128	574353	9.050	ppbv	100
80) Naphthalene,2-methyl-	14.448	142	221717	7.599	ppbv	99
81) 1,2,4-Trichlorobenzene	13.432	180	310073	10.671	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 830
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

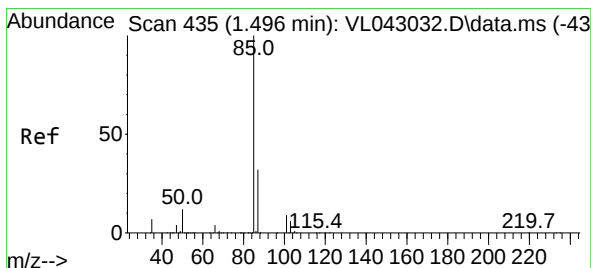
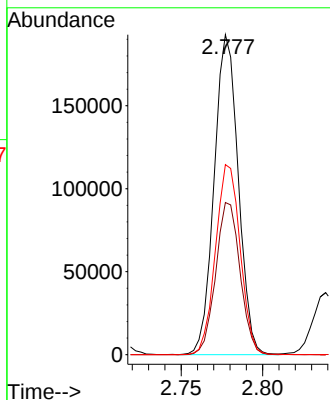
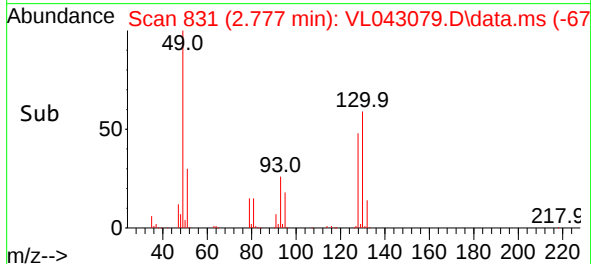
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



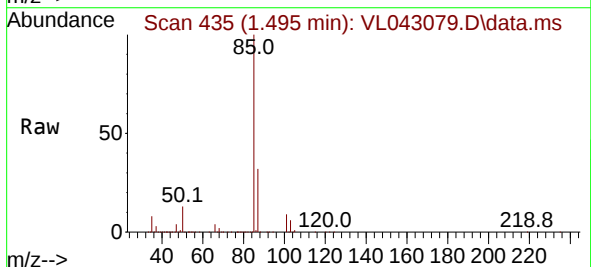
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Ion Ratio Lower Upper
49 100
128 48.0 24.1 72.2
130 60.8 31.4 94.3

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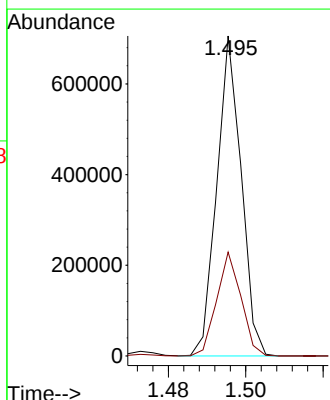
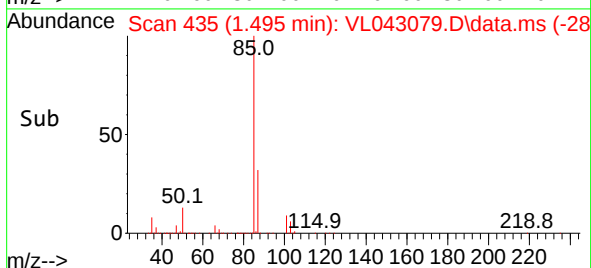
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

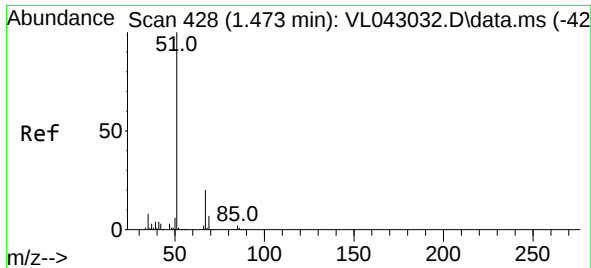


#2
Dichlorodifluoromethane
Concen: 9.246 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29



Tgt Ion: 85 Resp: 308523
Ion Ratio Lower Upper
85 100
87 32.5 25.8 38.6





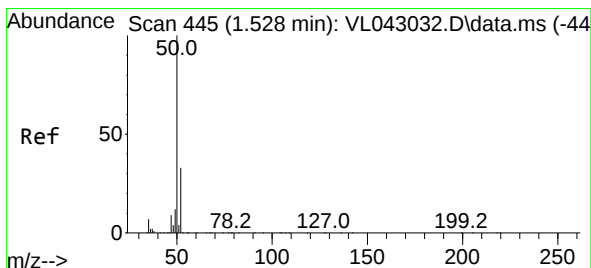
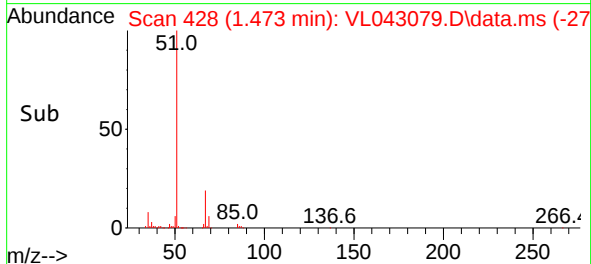
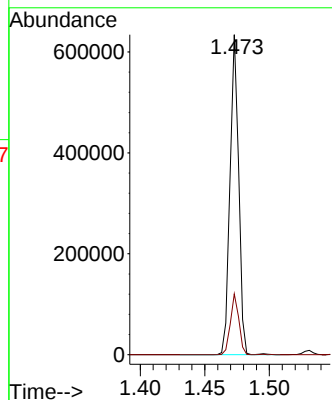
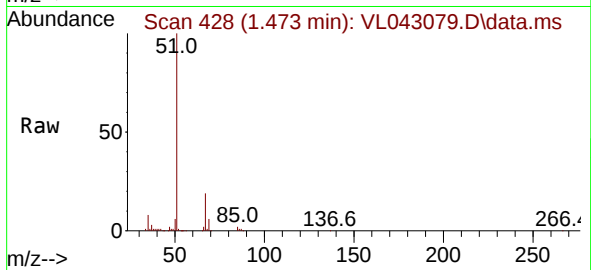
#3
Chlorodifluoromethane
Concen: 9.148 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 51 Resp: 295319
Ion Ratio Lower Upper
51 100
67 18.7 15.1 22.7

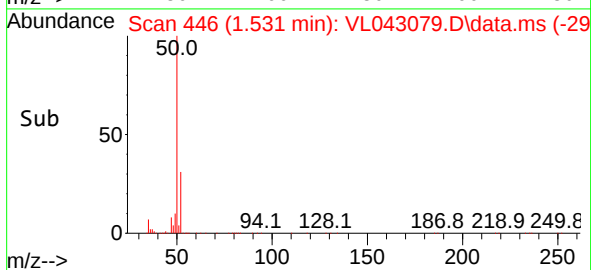
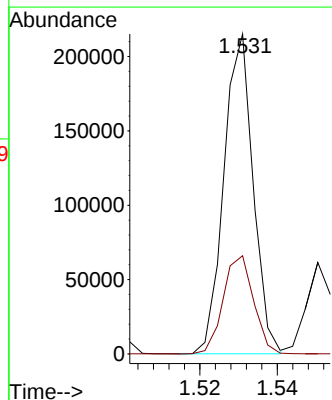
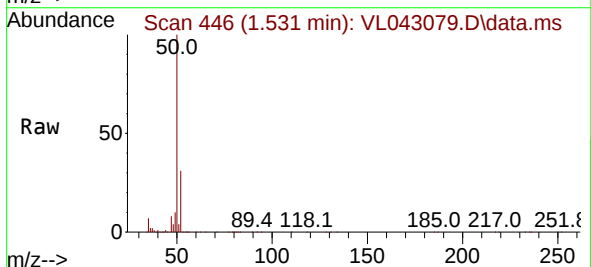
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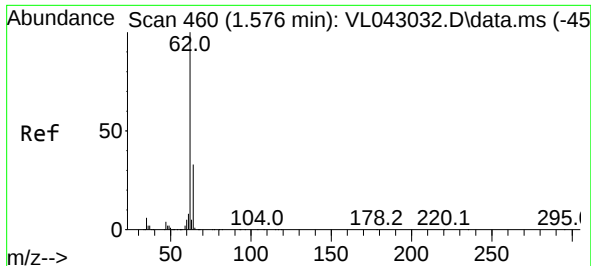
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#4
Chloromethane
Concen: 9.256 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

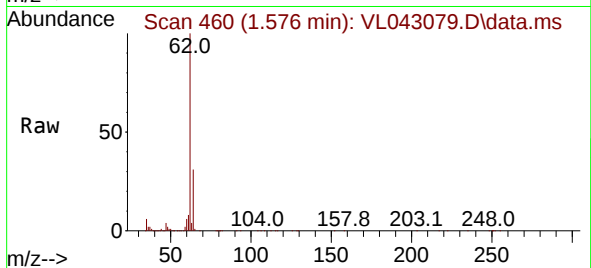
Tgt Ion: 50 Resp: 112822
Ion Ratio Lower Upper
50 100
52 30.8 26.2 39.2





#5
 Vinyl Chloride
 Concen: 9.221 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.000 min
 Lab File: VL043079.D
 Acq: 09 Oct 2025 09:29

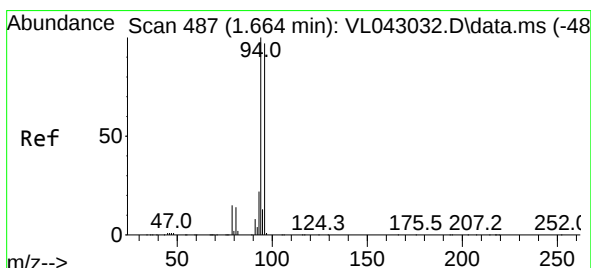
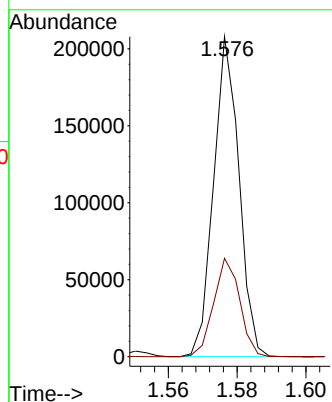
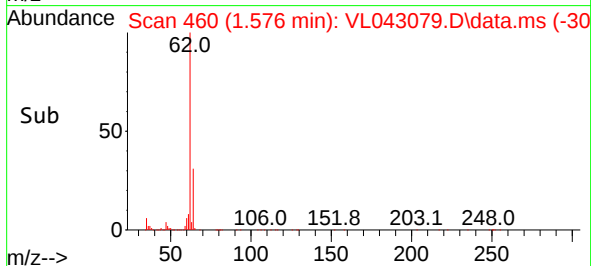
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 62 Resp: 106660
 Ion Ratio Lower Upper
 62 100
 64 30.8 26.2 39.2

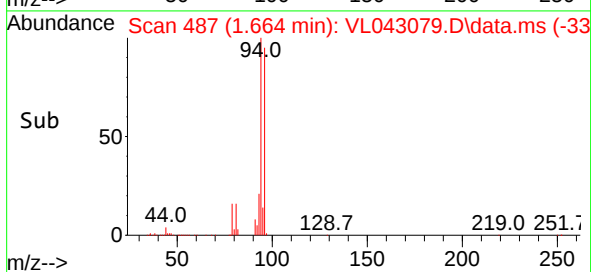
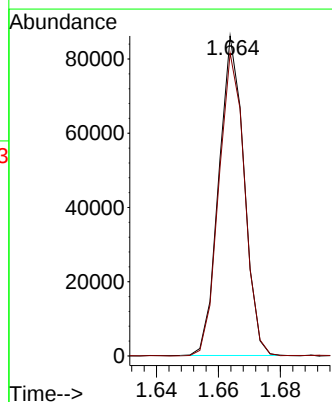
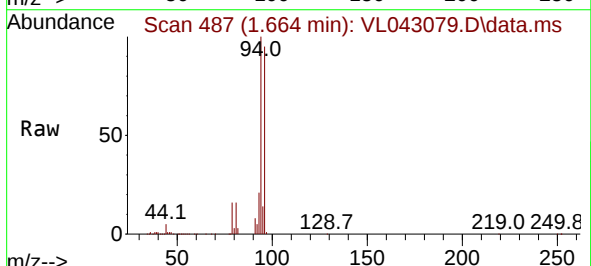
Manual Integrations
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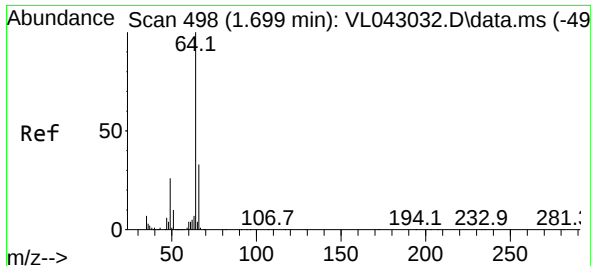
Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#6
 Bromomethane
 Concen: 9.353 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.000 min
 Lab File: VL043079.D
 Acq: 09 Oct 2025 09:29

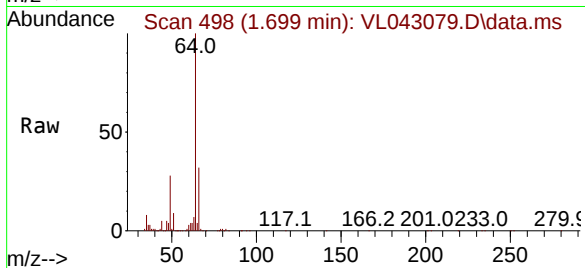
Tgt Ion: 94 Resp: 48615
 Ion Ratio Lower Upper
 94 100
 96 94.8 77.6 116.4





#7
Chloroethane
Concen: 9.167 ppbv
RT: 1.699 min Scan# 498
Delta R.T. -0.000 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

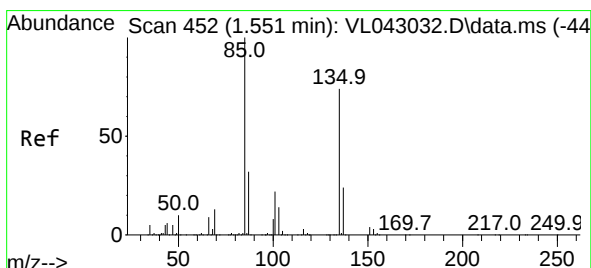
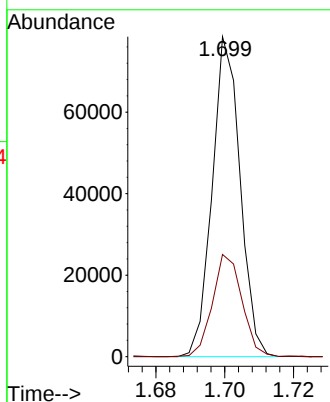
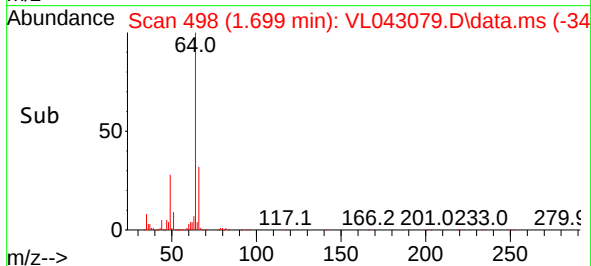
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



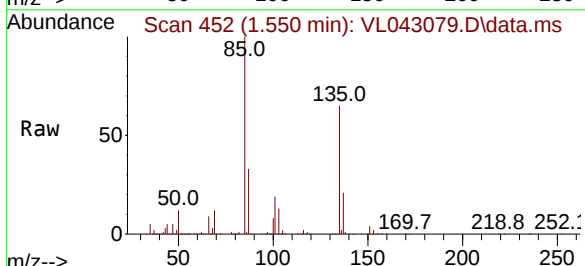
Tgt Ion: 64 Resp: 44248
Ion Ratio Lower Upper
64 100
66 31.9 26.6 39.8

Manual Integrations
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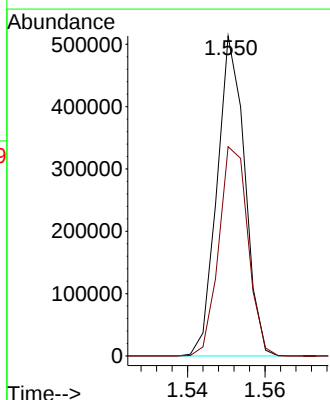
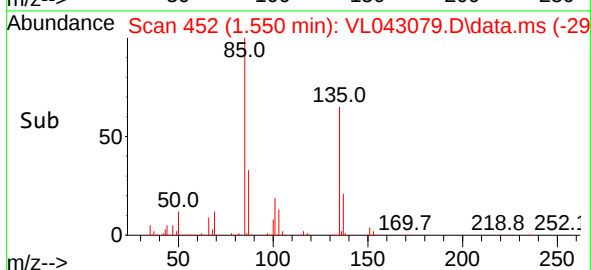
Reviewed By :Semsettin Yesilyurt 10/10/2025
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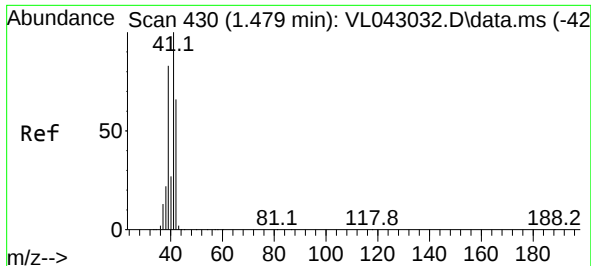


#8
Dichlorotetrafluoroethane
Concen: 9.324 ppbv
RT: 1.550 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29



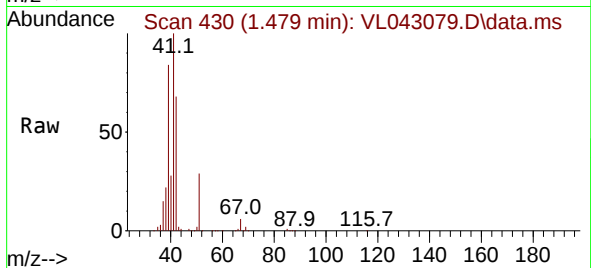
Tgt Ion: 85 Resp: 254941
Ion Ratio Lower Upper
85 100
135 69.2 56.3 84.5





#9
 Propene
 Concen: 9.052 ppbv
 RT: 1.479 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL043079.D
 Acq: 09 Oct 2025 09:29

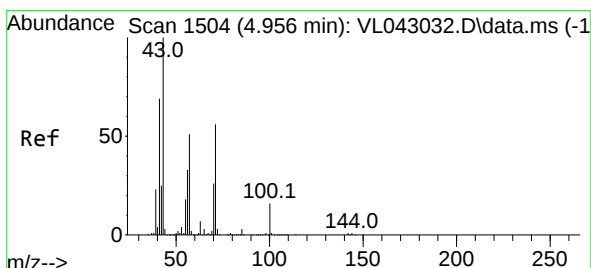
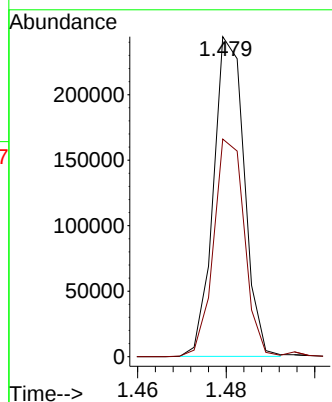
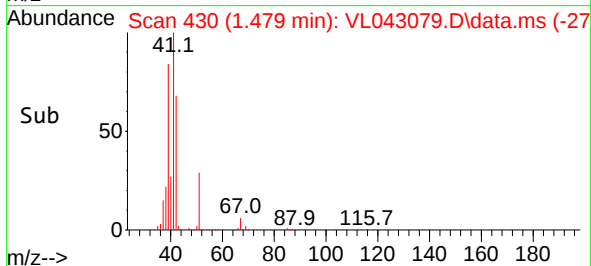
Instrument :
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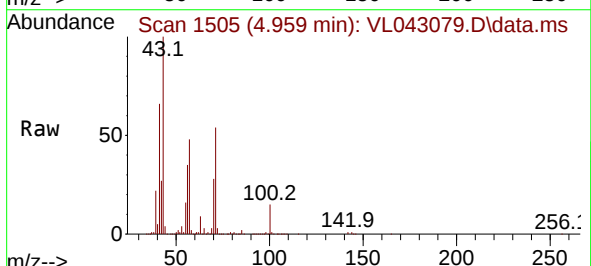
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 Ion Ratio Lower Upper
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 42 69.2 53.3 79.9

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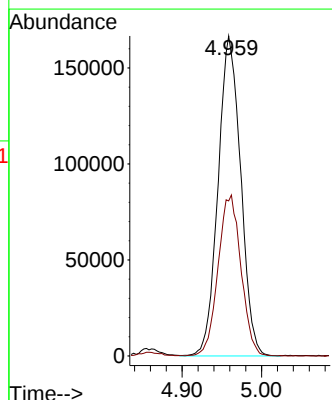
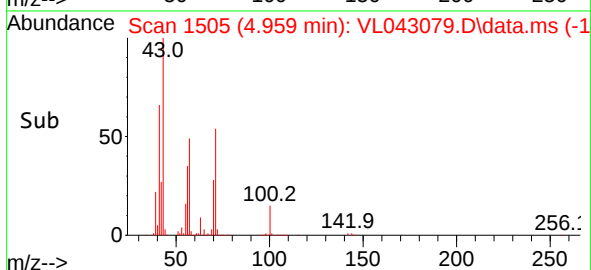
Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

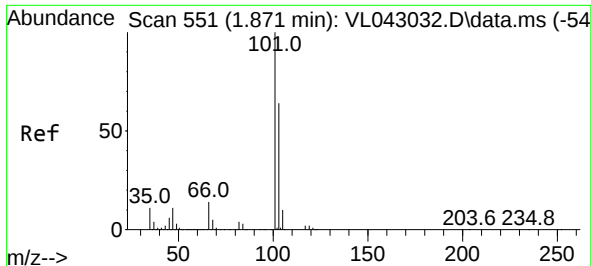


#10
 Heptane
 Concen: 10.276 ppbv
 RT: 4.959 min Scan# 1505
 Delta R.T. 0.003 min
 Lab File: VL043079.D
 Acq: 09 Oct 2025 09:29



Tgt Ion: 43 Resp: 328840
 Ion Ratio Lower Upper
 43 100
 57 51.1 40.3 60.5





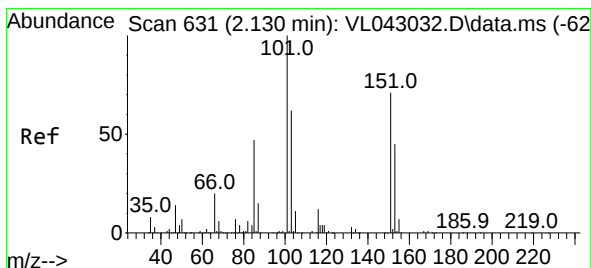
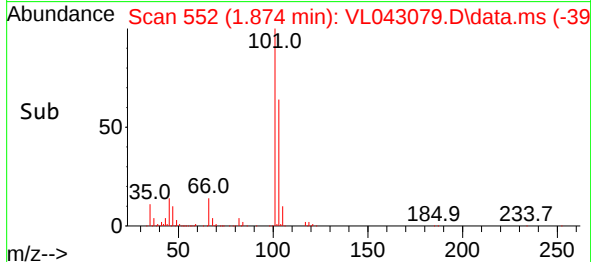
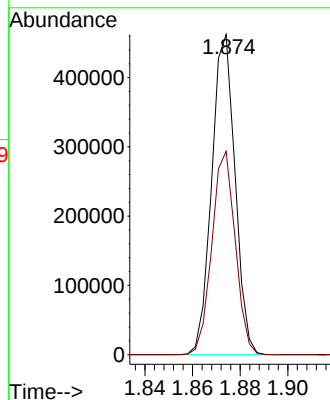
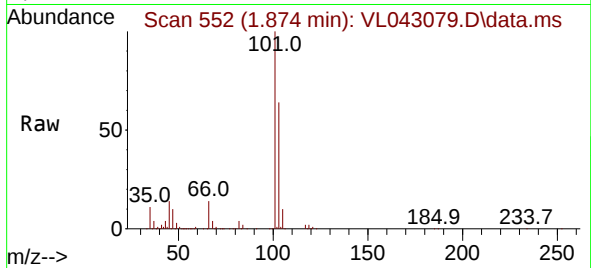
#11
Trichlorofluoromethane
Concen: 9.170 ppbv
RT: 1.874 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 31446
Ion Ratio Lower Upper
101 100
103 63.6 51.1 76.7

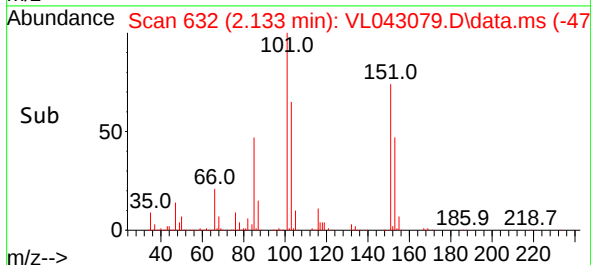
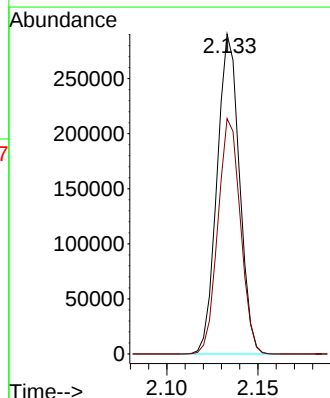
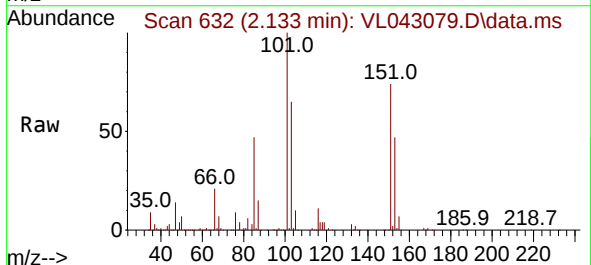
Manual Integrations
APPROVED

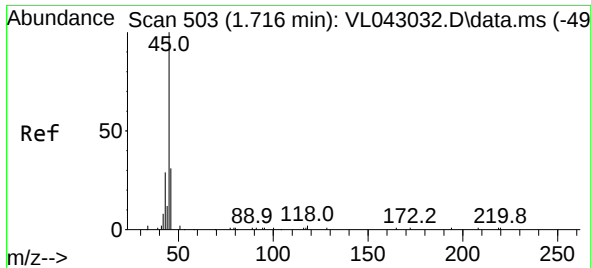
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.187 ppbv
RT: 2.133 min Scan# 632
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

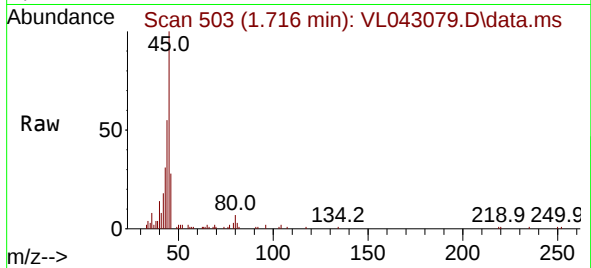
Tgt Ion:101 Resp: 248138
Ion Ratio Lower Upper
101 100
151 73.9 58.1 87.1





#13
Ethanol
Concen: 9.977 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

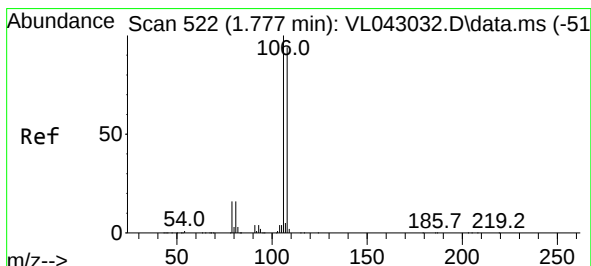
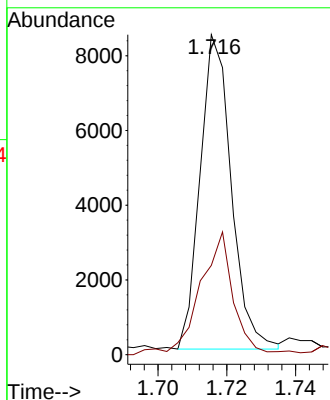
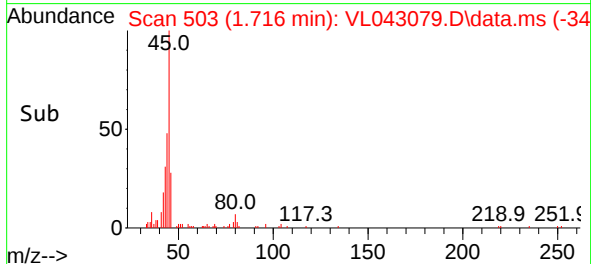
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



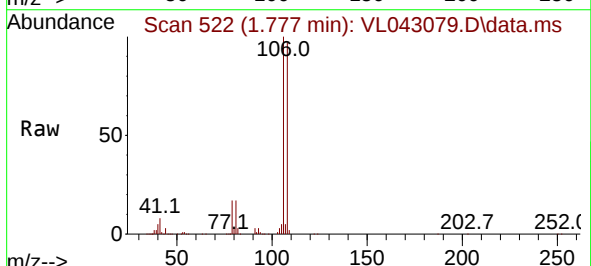
Tgt Ion: 45 Resp: 5308
Ion Ratio Lower Upper
45 100
46 42.3 17.8 71.4

Manual Integrations
APPROVED

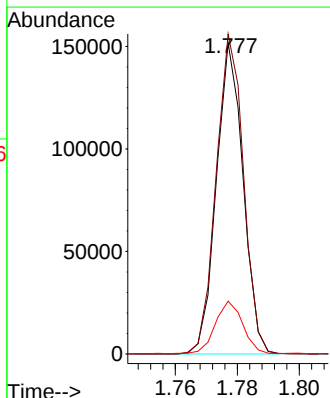
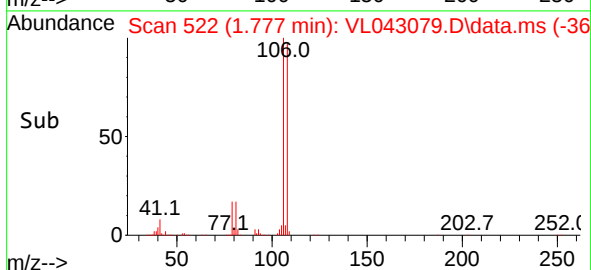
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

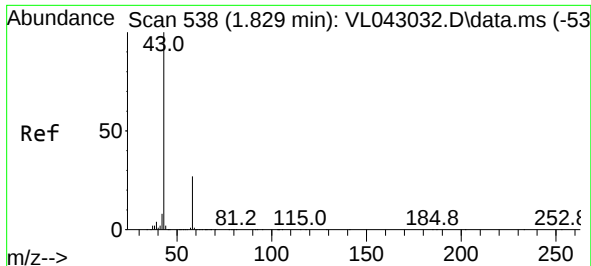


#14
Bromoethene
Concen: 9.370 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.000 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29



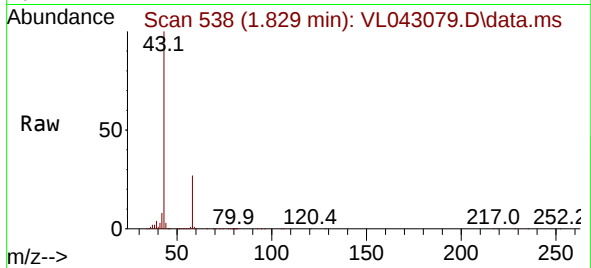
Tgt Ion:108 Resp: 90727
Ion Ratio Lower Upper
108 100
106 105.5 85.2 127.8
79 17.4 14.8 22.2





#15
Acetone
Concen: 8.325 ppbv
RT: 1.829 min Scan# 538
Delta R.T. -0.000 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

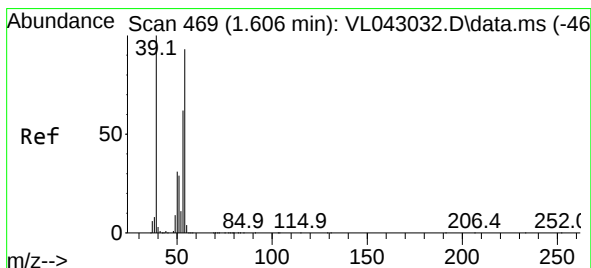
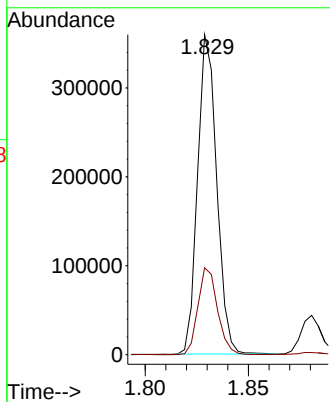
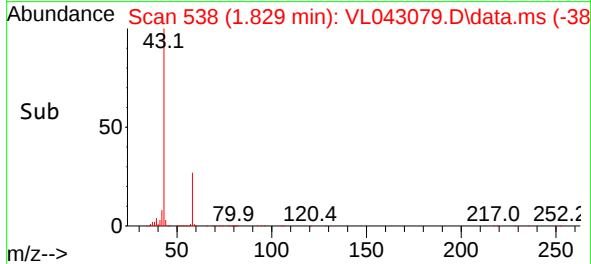
Instrument : MSVOA_L
ClientSampleId : VSTDCCC010



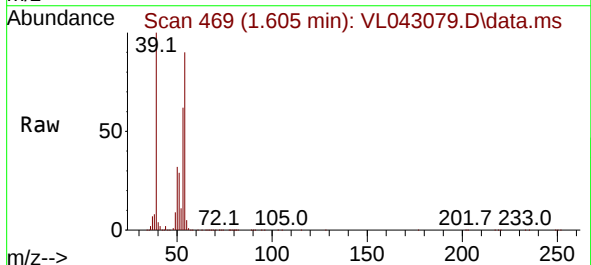
Tgt Ion: 43 Resp: 230776
Ion Ratio Lower Upper
43 100
58 28.0 22.2 33.4

Manual Integrations
APPROVED

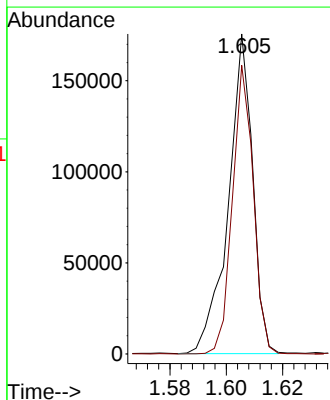
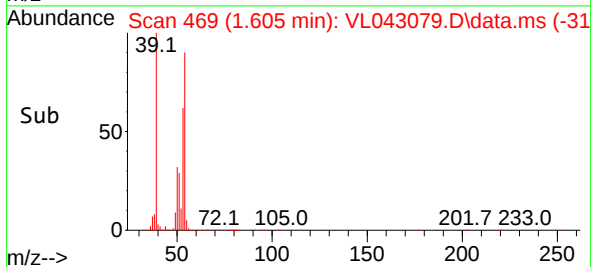
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

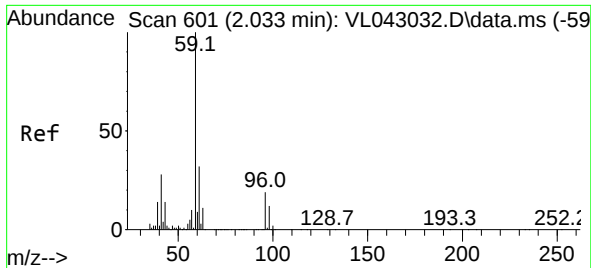


#16
1,3-Butadiene
Concen: 9.207 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29



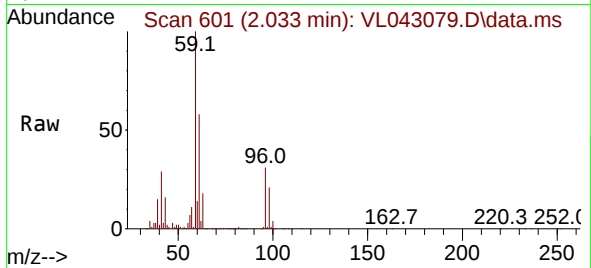
Tgt Ion: 39 Resp: 105234
Ion Ratio Lower Upper
39 100
54 77.4 61.4 92.2





#17
tert-Butyl alcohol
Concen: 9.295 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.000 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

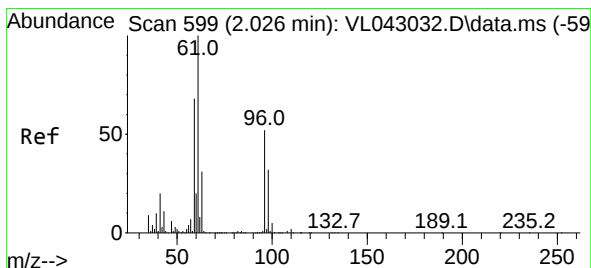
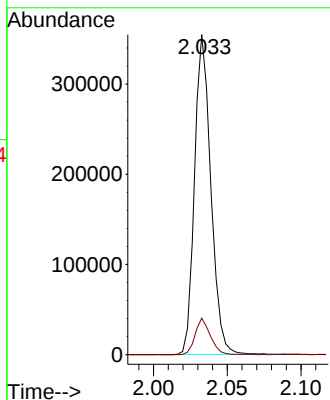
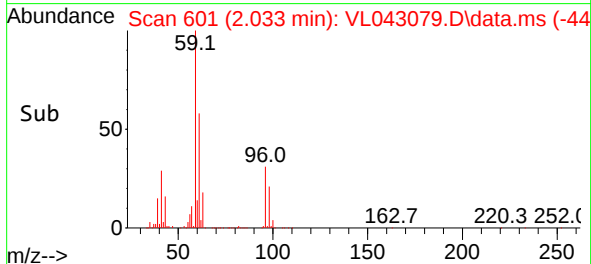
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



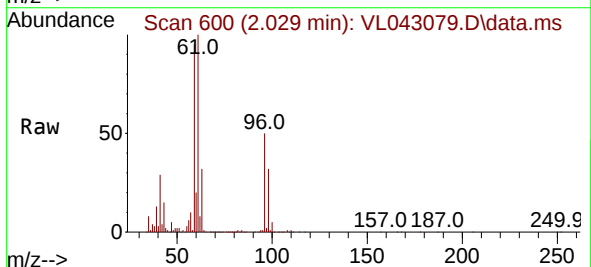
Tgt Ion: 59 Resp: 272568
Ion Ratio Lower Upper
59 100
57 10.7 8.5 12.7

Manual Integrations
APPROVED

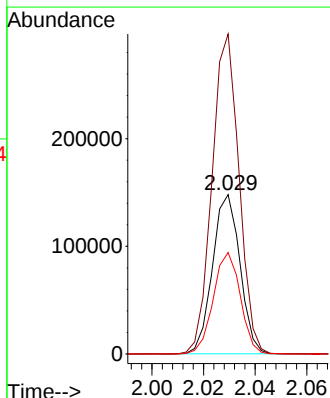
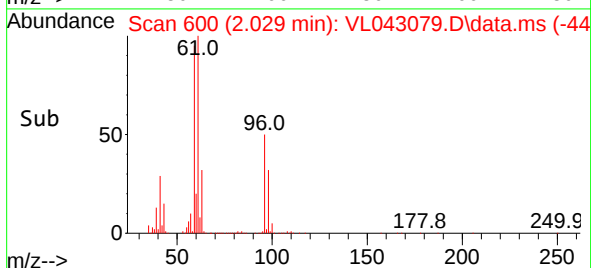
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

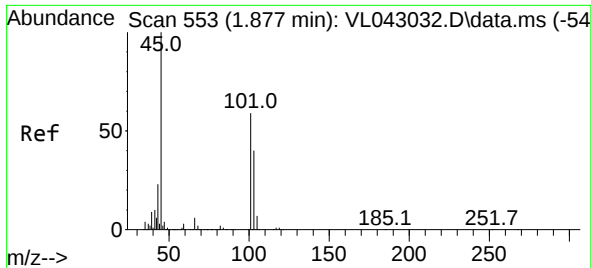


#18
1,1-Dichloroethene
Concen: 9.221 ppbv
RT: 2.029 min Scan# 600
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29



Tgt Ion: 96 Resp: 109177
Ion Ratio Lower Upper
96 100
61 200.9 153.0 229.6
98 63.7 48.8 73.2





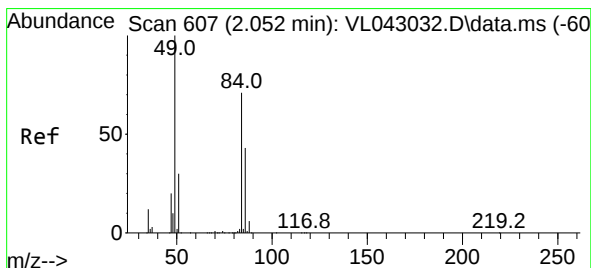
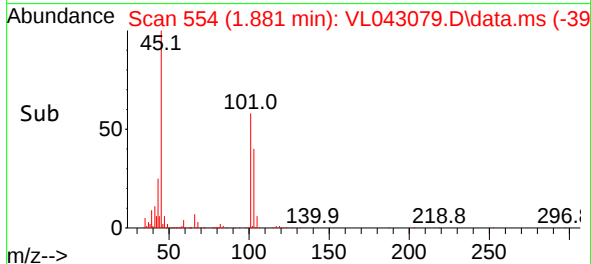
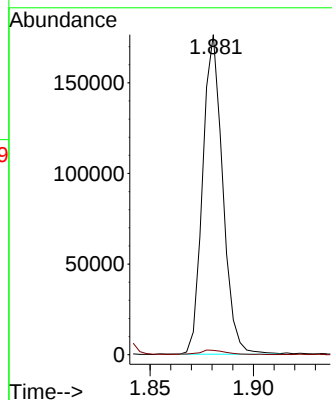
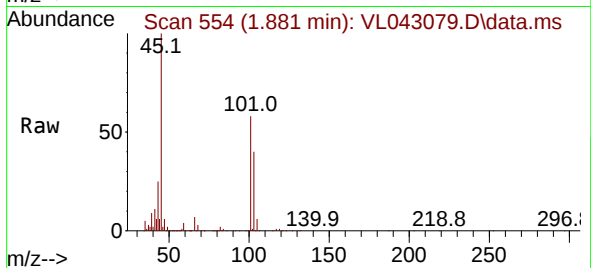
#19
Isopropyl Alcohol
Concen: 8.953 ppbv
RT: 1.881 min Scan# 518
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 118918
Ion Ratio Lower Upper
45 100
58 54.3 42.3 63.5

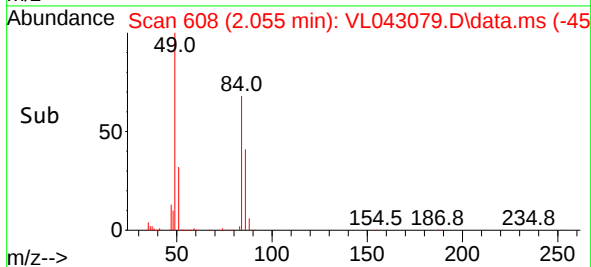
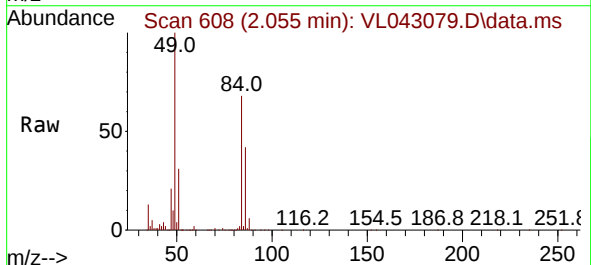
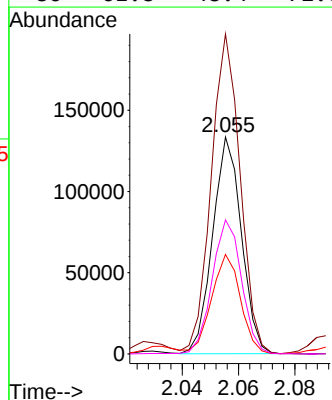
Manual Integrations
APPROVED

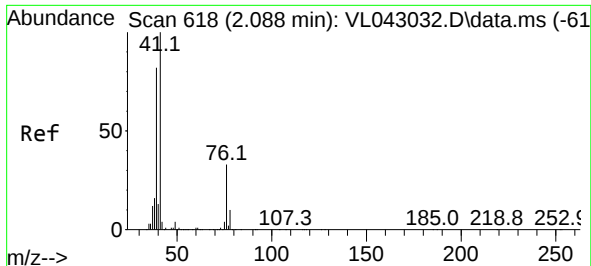
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Methylene Chloride
Concen: 7.824 ppbv
RT: 2.055 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

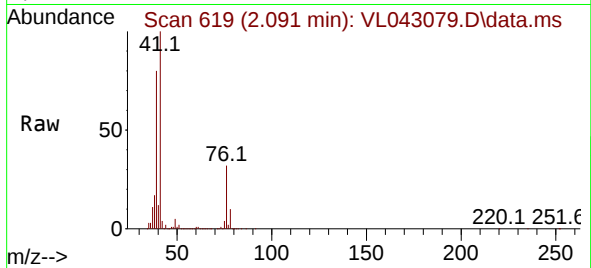
Tgt Ion: 84 Resp: 94670
Ion Ratio Lower Upper
84 100
49 147.5 112.5 168.7
51 45.8 34.2 51.2
86 61.8 48.4 72.6





#21
 Allyl Chloride
 Concen: 9.310 ppbv
 RT: 2.091 min Scan# 618
 Delta R.T. 0.003 min
 Lab File: VL043079.D
 Acq: 09 Oct 2025 09:29

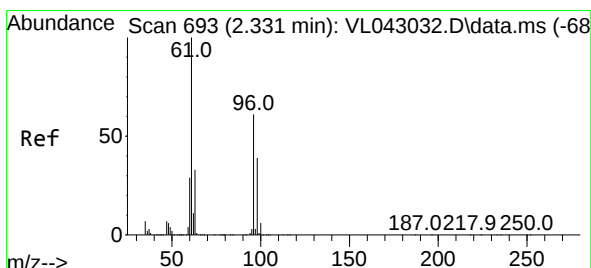
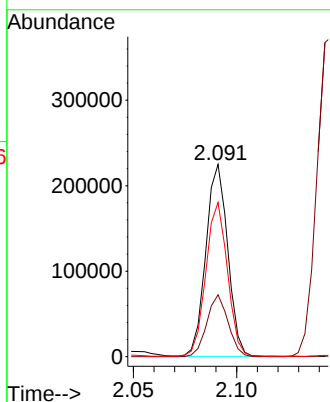
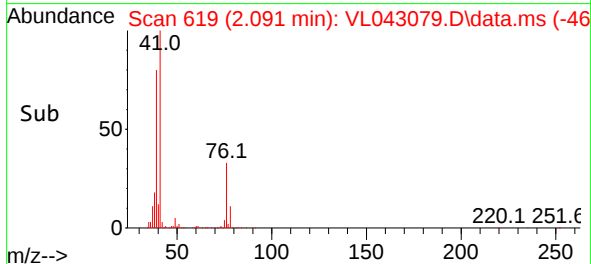
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 41 Resp: 165358
 Ion Ratio Lower Upper
 41 100
 76 31.4 25.9 38.9
 39 79.3 63.0 94.4

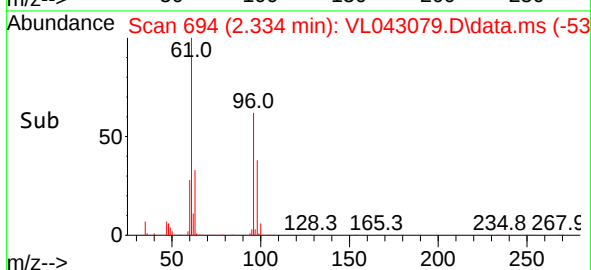
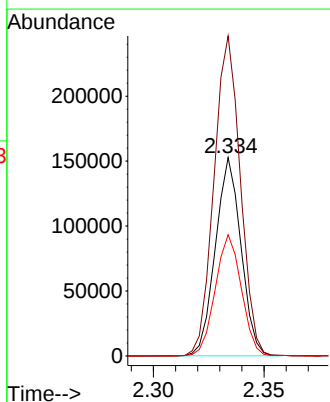
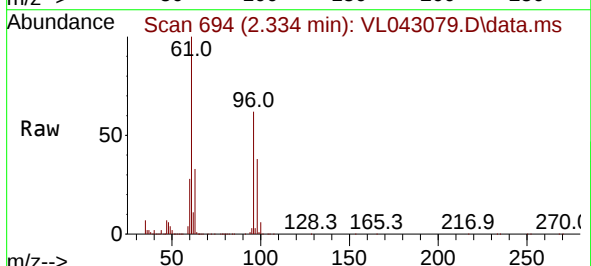
Manual Integrations
 APPROVED

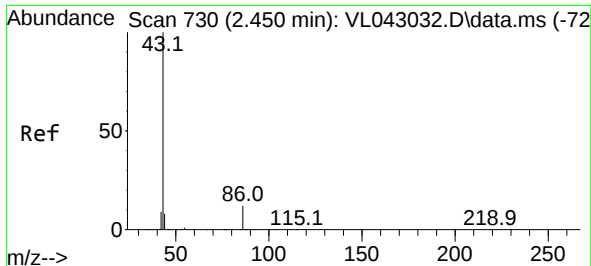
Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#22
 trans-1,2-Dichloroethene
 Concen: 9.138 ppbv
 RT: 2.334 min Scan# 694
 Delta R.T. 0.003 min
 Lab File: VL043079.D
 Acq: 09 Oct 2025 09:29

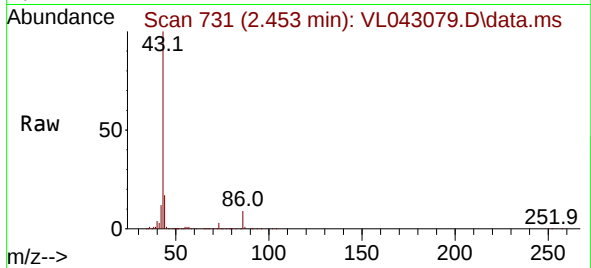
Tgt Ion: 96 Resp: 122834
 Ion Ratio Lower Upper
 96 100
 61 161.2 131.9 197.9
 98 61.1 52.1 78.1





#23
 Vinyl Acetate
 Concen: 8.531 ppbv
 RT: 2.453 min Scan# 715
 Delta R.T. 0.003 min
 Lab File: VL043079.D
 Acq: 09 Oct 2025 09:29

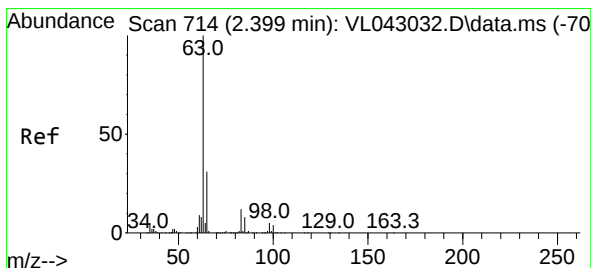
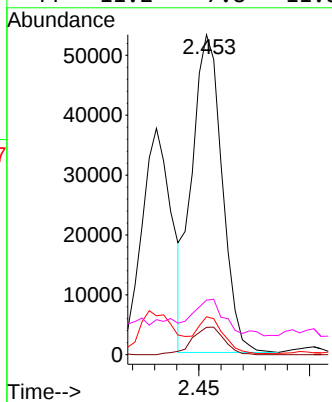
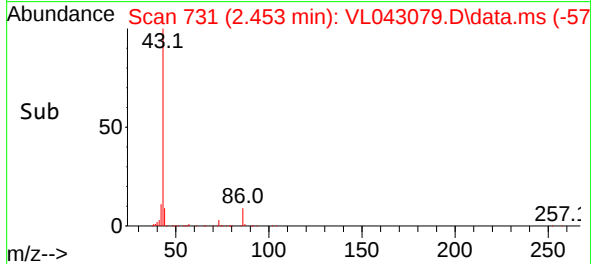
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 43 Resp: 5021
 Ion Ratio Lower Upper
 43 100
 86 8.6 7.5 11.3
 42 11.5 8.4 12.6
 44 11.2 7.8 11.8

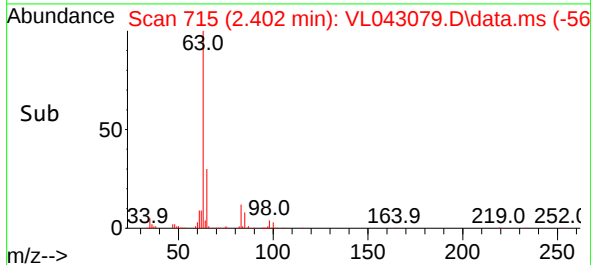
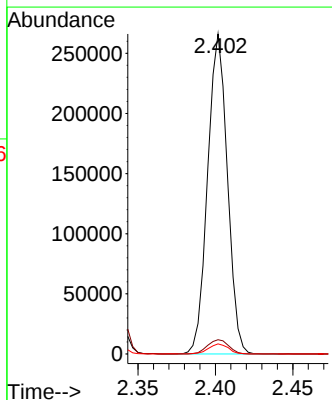
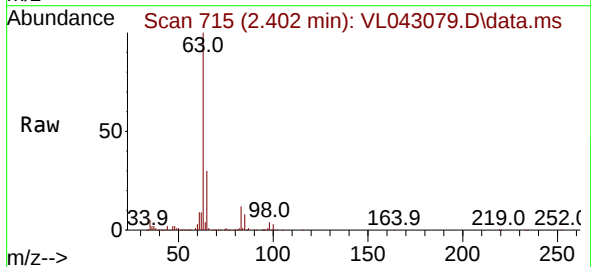
Manual Integrations
 APPROVED

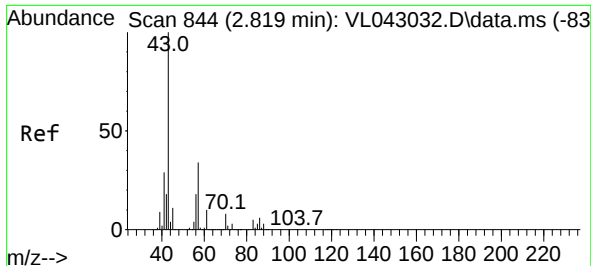
Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#24
 1,1-Dichloroethane
 Concen: 9.276 ppbv
 RT: 2.402 min Scan# 715
 Delta R.T. 0.003 min
 Lab File: VL043079.D
 Acq: 09 Oct 2025 09:29

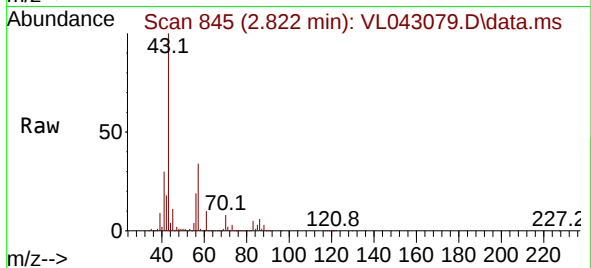
Tgt Ion: 63 Resp: 236357
 Ion Ratio Lower Upper
 63 100
 98 4.5 2.5 7.4
 100 3.2 1.8 5.4





#25
Ethyl Acetate
Concen: 9.701 ppbv
RT: 2.822 min Scan# 844
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

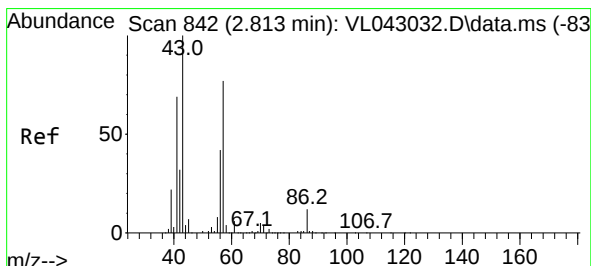
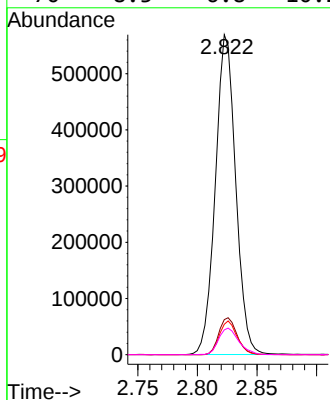
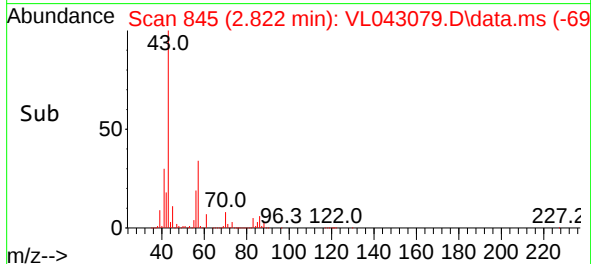
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



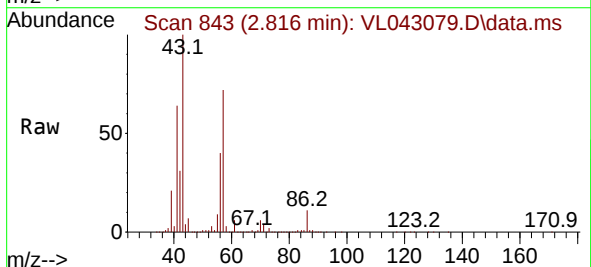
Tgt Ion: 43 Resp: 674648
Ion Ratio Lower Upper
43 100
45 10.4 8.3 12.5
61 9.4 7.5 11.3
70 8.3 6.8 10.2

Manual Integrations
APPROVED

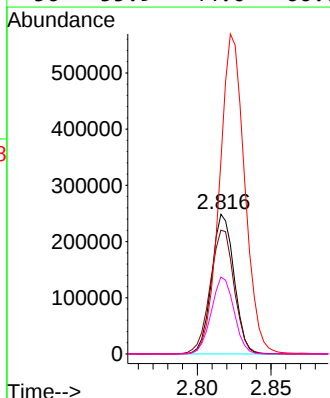
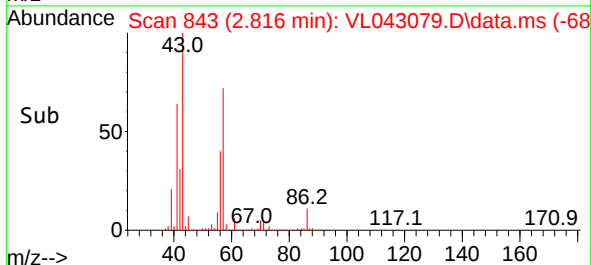
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

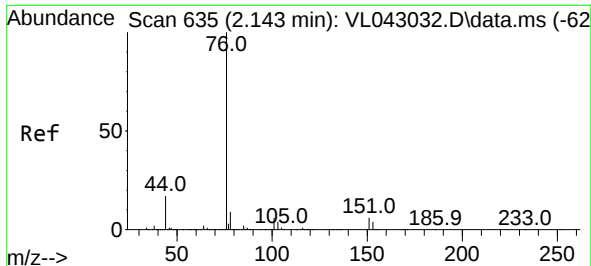


#26
Hexane
Concen: 9.819 ppbv
RT: 2.816 min Scan# 843
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29



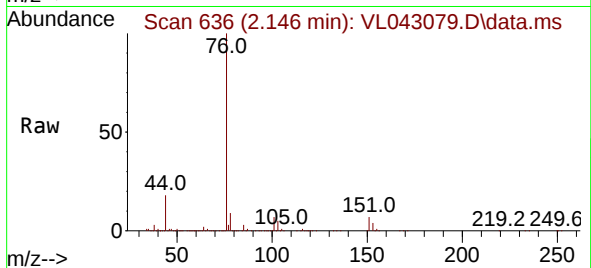
Tgt Ion: 57 Resp: 262689
Ion Ratio Lower Upper
57 100
41 95.7 76.1 114.1
43 257.8 201.4 302.0
56 55.9 44.0 66.0





#27
Carbon Disulfide
Concen: 9.347 ppbv
RT: 2.146 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

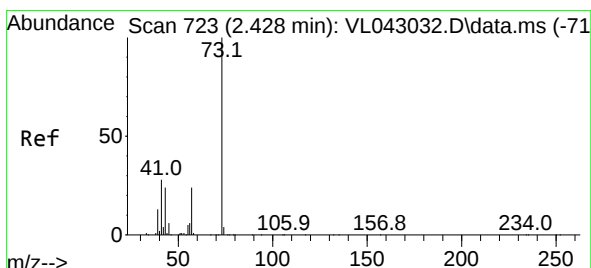
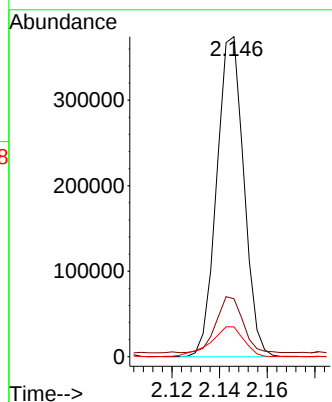
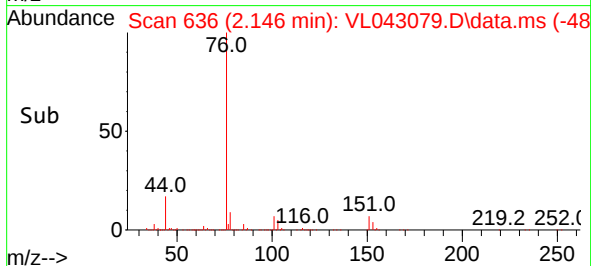
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



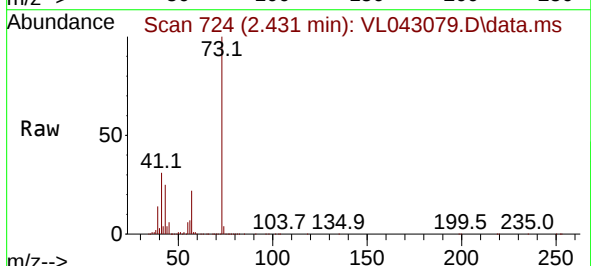
Tgt Ion: 76 Resp: 29522
Ion Ratio Lower Upper
76 100
44 17.6 14.0 21.0
78 11.7 9.4 14.0

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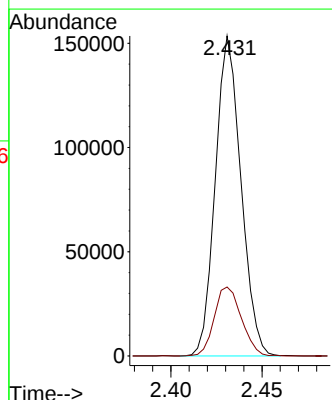
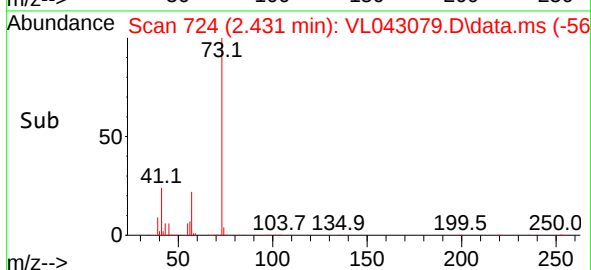
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

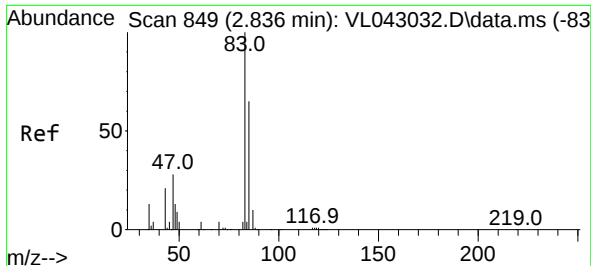


#28
Methyl tert-Butyl Ether
Concen: 8.958 ppbv
RT: 2.431 min Scan# 724
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29



Tgt Ion: 73 Resp: 149976
Ion Ratio Lower Upper
73 100
57 22.9 17.8 26.8





#29

Chloroform

Concen: 9.124 ppbv

RT: 2.839 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL043079.D

Acq: 09 Oct 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 41614

Ion Ratio Lower Upper

83 100

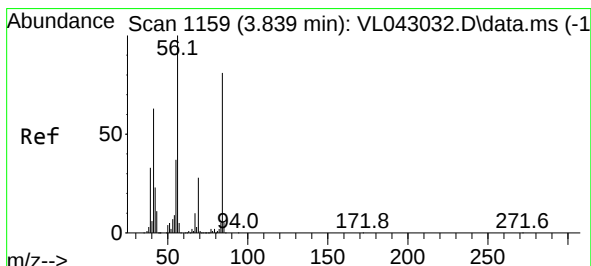
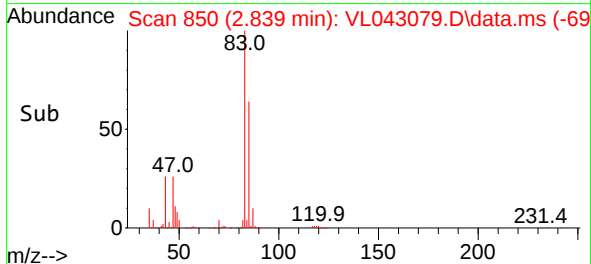
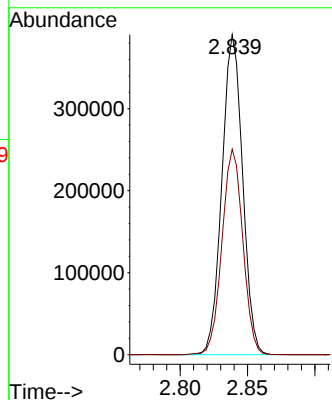
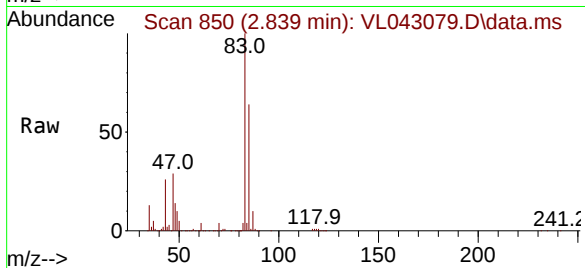
85 64.2 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#30

Cyclohexane

Concen: 9.837 ppbv

RT: 3.842 min Scan# 1160

Delta R.T. 0.003 min

Lab File: VL043079.D

Acq: 09 Oct 2025 09:29

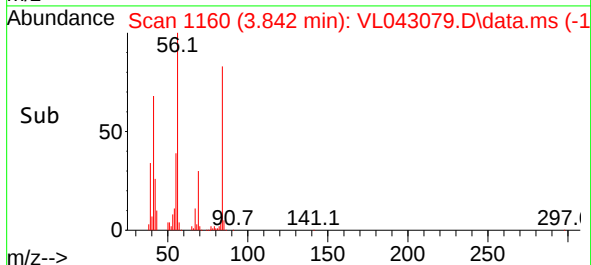
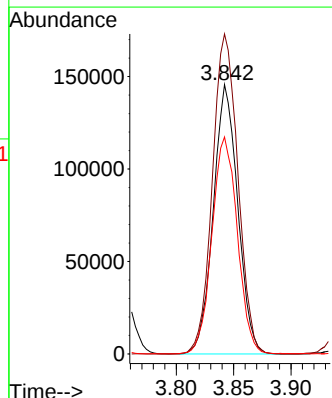
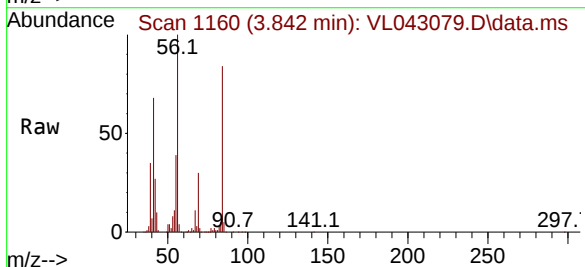
Tgt Ion: 84 Resp: 216243

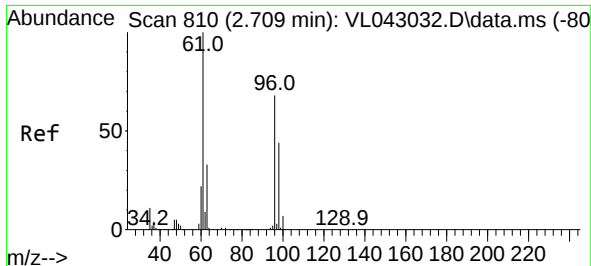
Ion Ratio Lower Upper

84 100

56 123.7 99.9 149.9

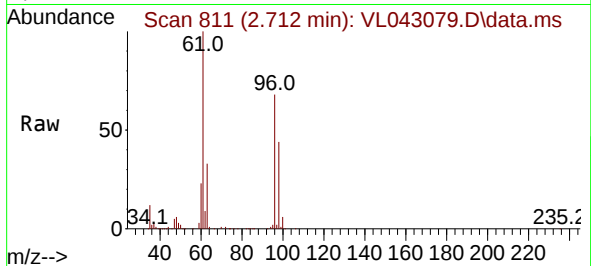
41 83.5 64.2 96.4





#31
 cis-1,2-Dichloroethene
 Concen: 9.110 ppbv
 RT: 2.712 min Scan# 810
 Delta R.T. 0.003 min
 Lab File: VL043079.D
 Acq: 09 Oct 2025 09:29

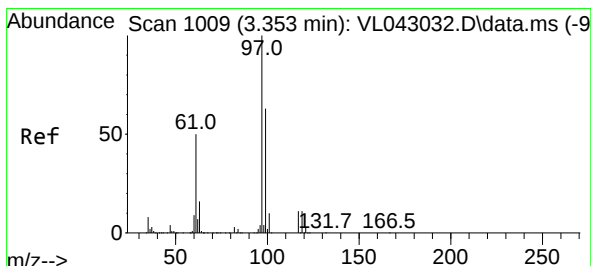
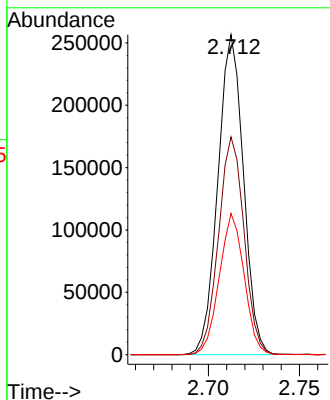
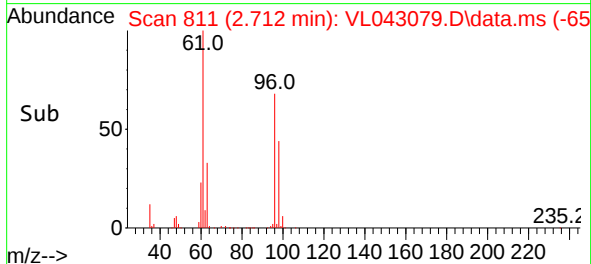
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



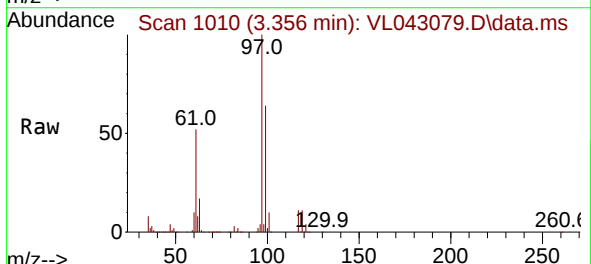
Tgt Ion: 61 Resp: 250538
 Ion Ratio Lower Upper
 61 100
 96 68.1 54.6 82.0
 98 44.1 34.8 52.2

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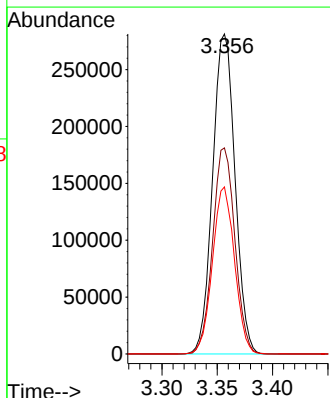
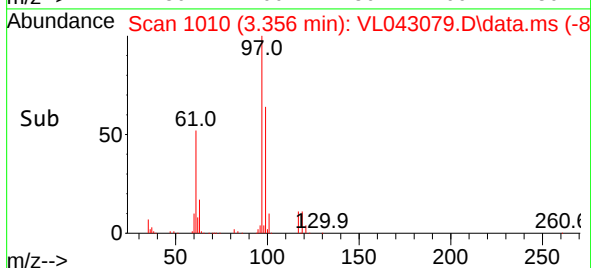
Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

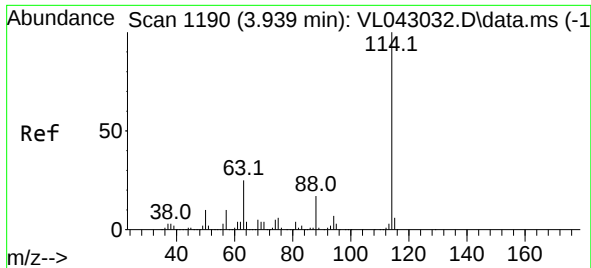


#32
 1,1,1-Trichloroethane
 Concen: 8.946 ppbv
 RT: 3.356 min Scan# 1010
 Delta R.T. 0.003 min
 Lab File: VL043079.D
 Acq: 09 Oct 2025 09:29



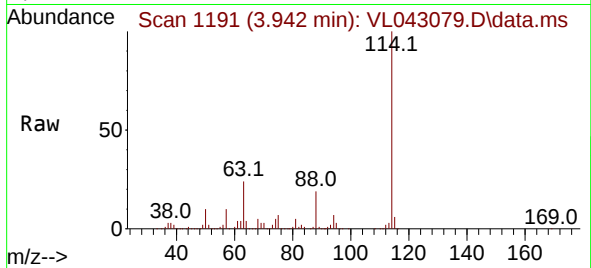
Tgt Ion: 97 Resp: 396570
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.2 76.8
 61 51.6 40.1 60.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.942 min Scan# 1191
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

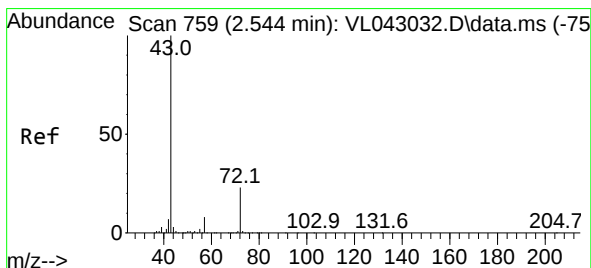
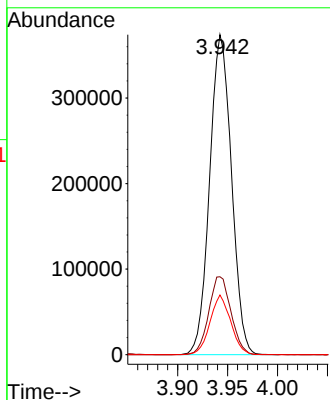
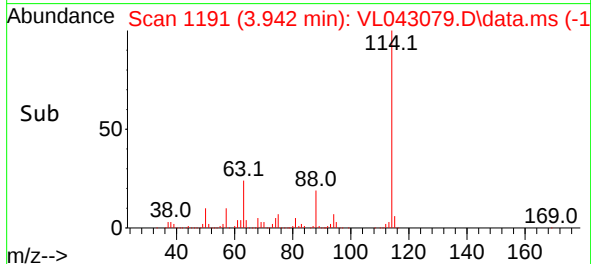
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



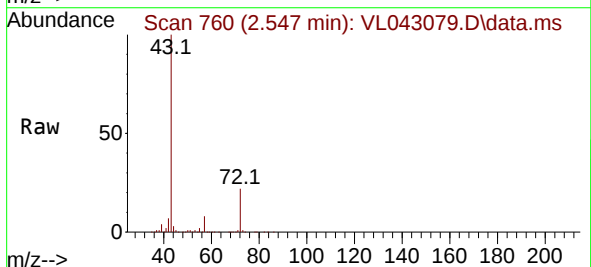
Tgt Ion:114 Resp: 56889
Ion Ratio Lower Upper
114 100
63 24.8 19.4 29.2
88 17.7 13.9 20.9

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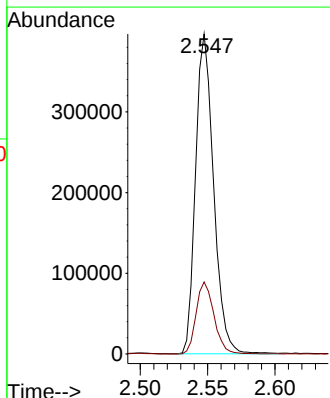
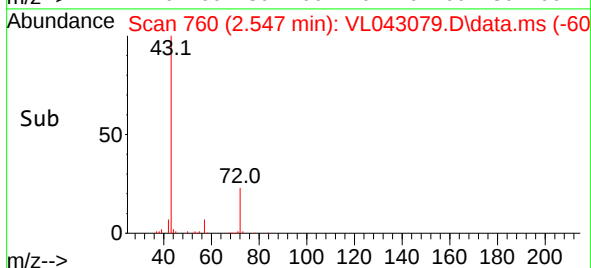
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

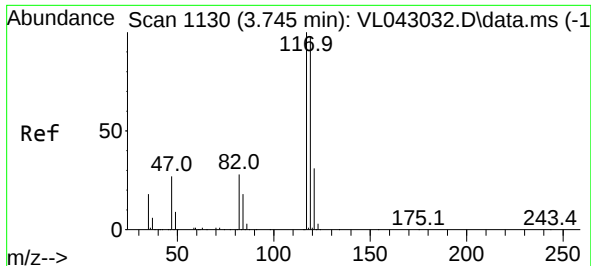


#34
2-Butanone
Concen: 9.558 ppbv
RT: 2.547 min Scan# 760
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29



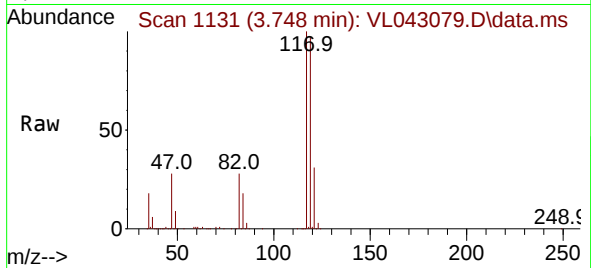
Tgt Ion: 43 Resp: 368929
Ion Ratio Lower Upper
43 100
72 22.4 18.4 27.6





#35
Carbon Tetrachloride
Concen: 9.026 ppbv
RT: 3.748 min Scan# 1130
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

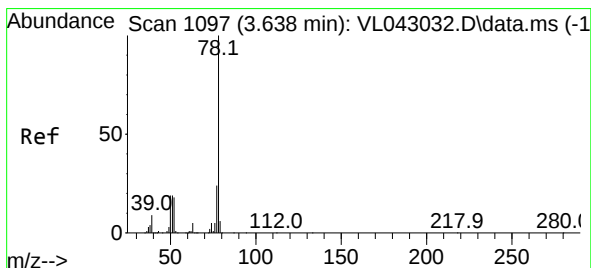
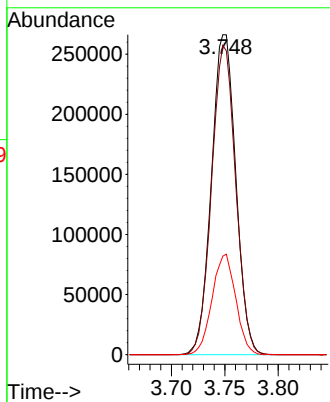
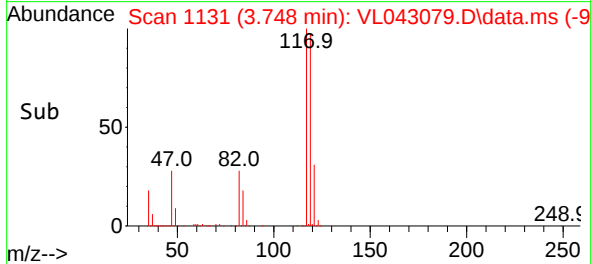
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



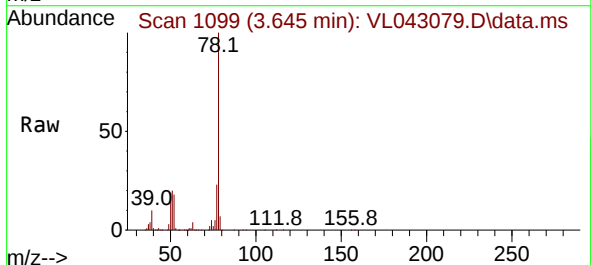
Tgt Ion:117 Resp: 42248
Ion Ratio Lower Upper
117 100
119 96.7 78.2 117.4
121 30.8 24.8 37.2

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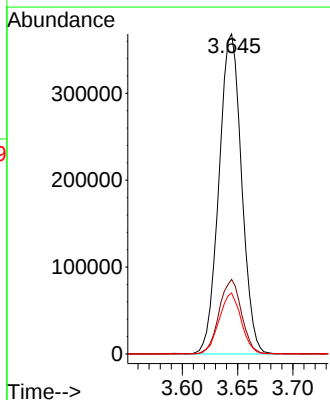
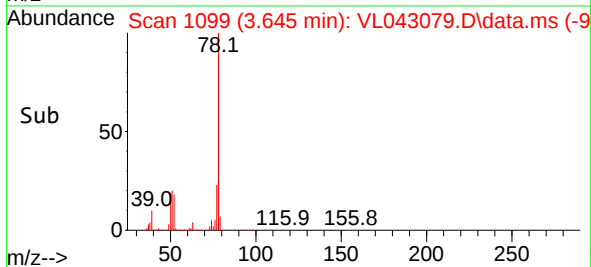
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

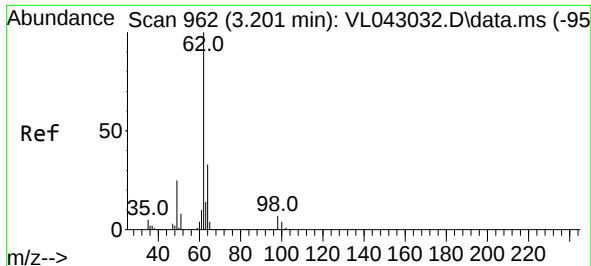


#36
Benzene
Concen: 9.631 ppbv
RT: 3.645 min Scan# 1099
Delta R.T. 0.006 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29



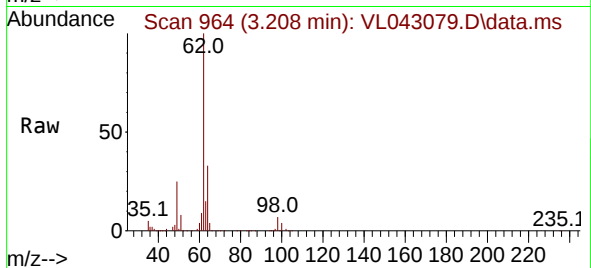
Tgt Ion: 78 Resp: 523478
Ion Ratio Lower Upper
78 100
77 23.3 19.2 28.8
50 19.1 14.9 22.3





#37
1,2-Dichloroethane
Concen: 9.413 ppbv
RT: 3.208 min Scan# 90
Delta R.T. 0.006 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

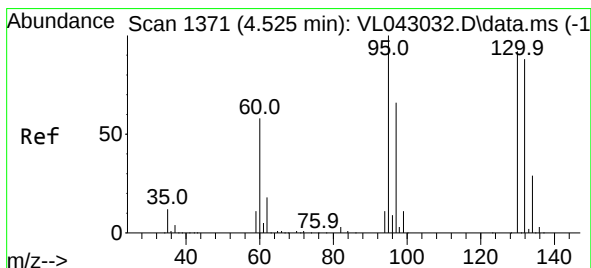
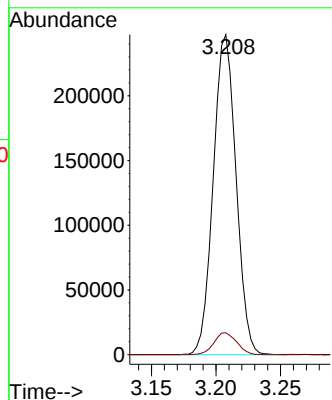
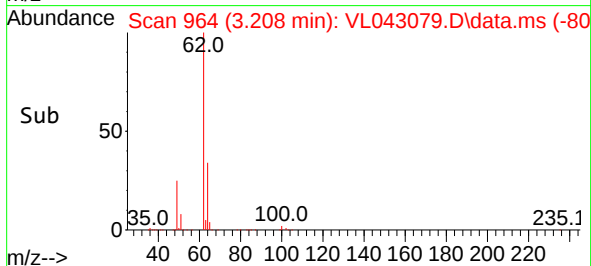
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 62 Resp: 303020
Ion Ratio Lower Upper
62 100
98 6.9 5.6 8.4

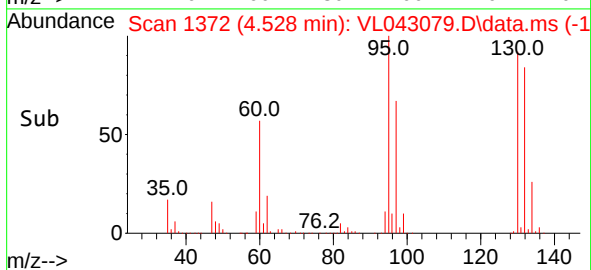
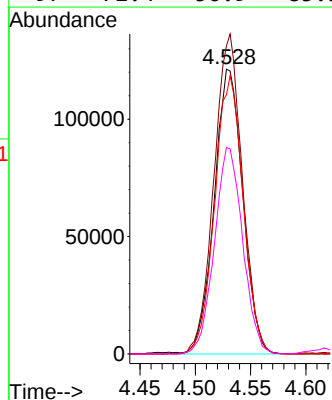
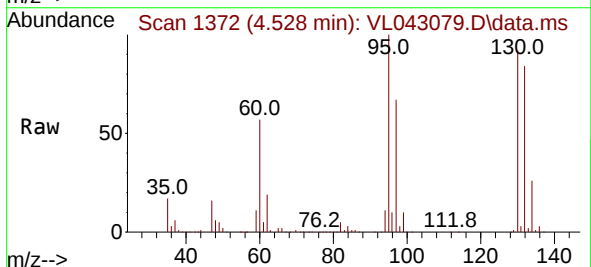
Manual Integrations
APPROVED

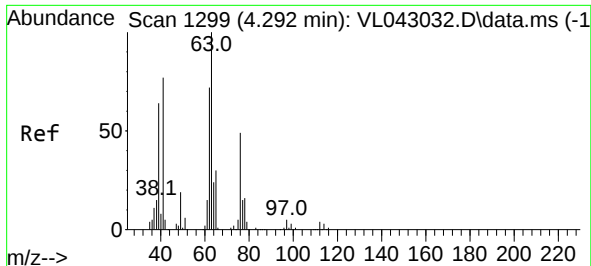
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#38
Trichloroethene
Concen: 9.648 ppbv
RT: 4.528 min Scan# 1372
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

Tgt Ion:130 Resp: 218456
Ion Ratio Lower Upper
130 100
95 108.0 86.4 129.6
132 91.0 75.7 113.5
97 72.4 56.9 85.3





#39

1,2-Dichloropropane

Concen: 9.512 ppbv

RT: 4.298 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL043079.D

Acq: 09 Oct 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 191644

Ion Ratio Lower Upper

63 100

41 80.0 61.6 92.4

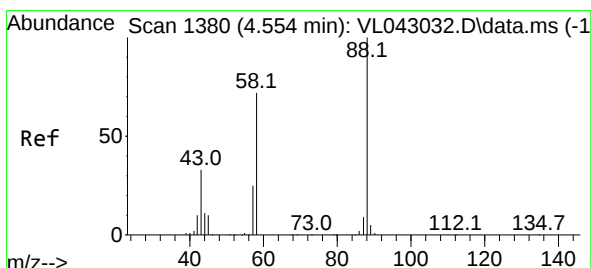
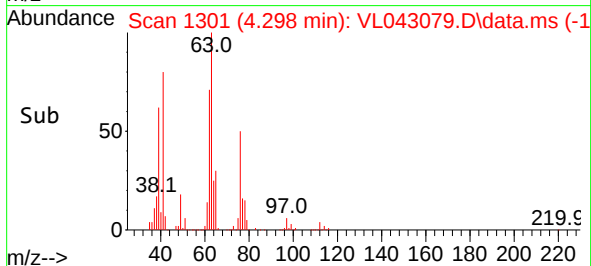
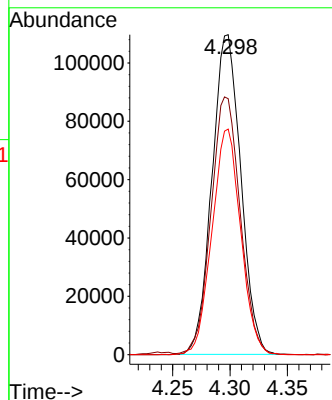
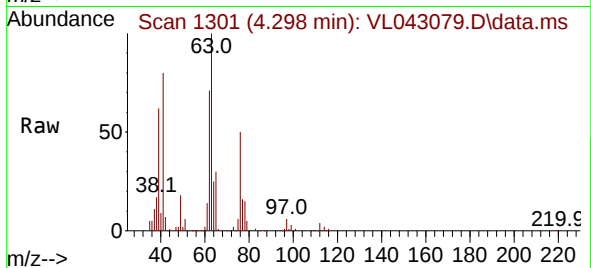
62 70.5 58.1 87.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#40

1,4-Dioxane

Concen: 9.944 ppbv

RT: 4.557 min Scan# 1381

Delta R.T. 0.003 min

Lab File: VL043079.D

Acq: 09 Oct 2025 09:29

Tgt Ion: 88 Resp: 85932

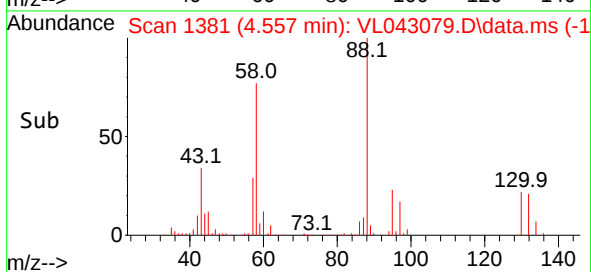
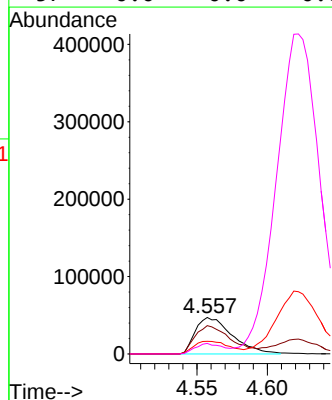
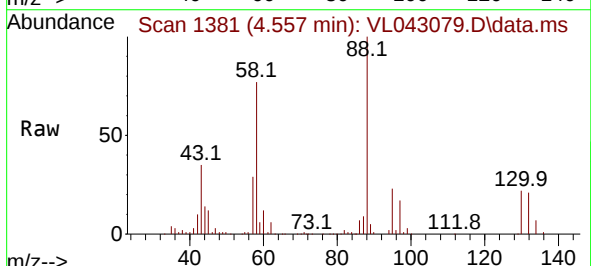
Ion Ratio Lower Upper

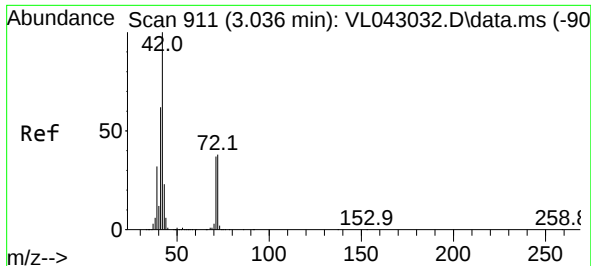
88 100

58 75.6 56.2 84.2

43 34.2 25.7 38.5

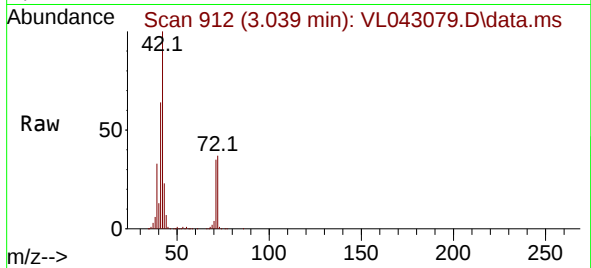
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 10.344 ppbv
RT: 3.039 min Scan# 911
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

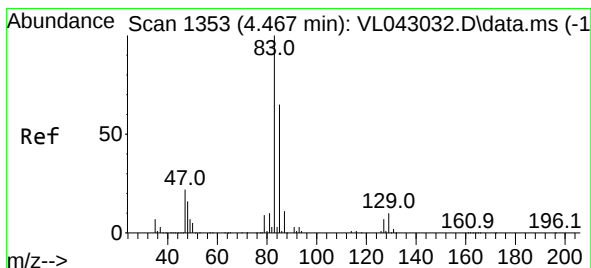
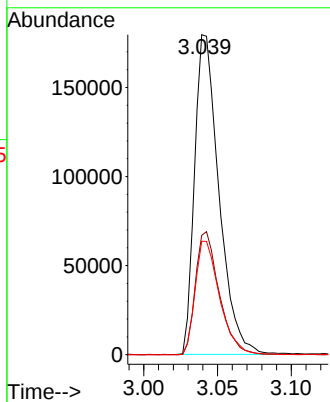
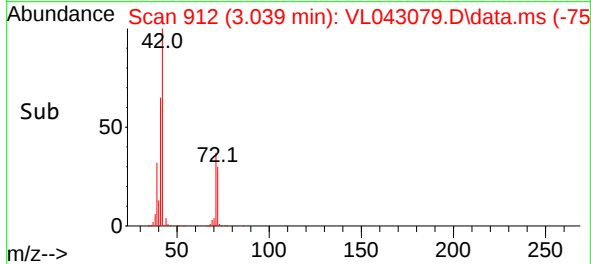
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 42 Resp: 206359
Ion Ratio Lower Upper
42 100
72 37.6 31.0 46.6
71 35.8 29.8 44.6

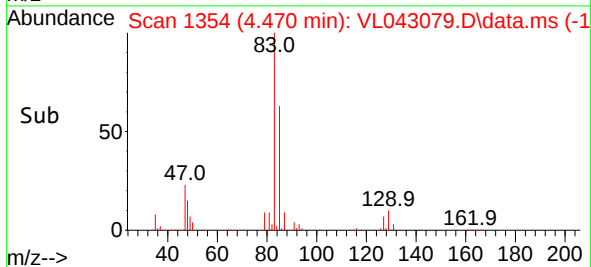
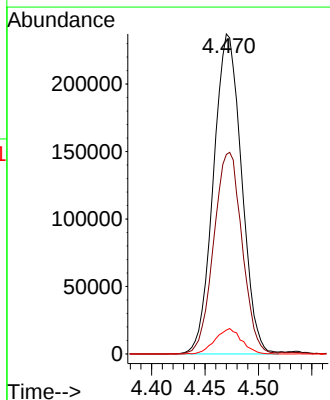
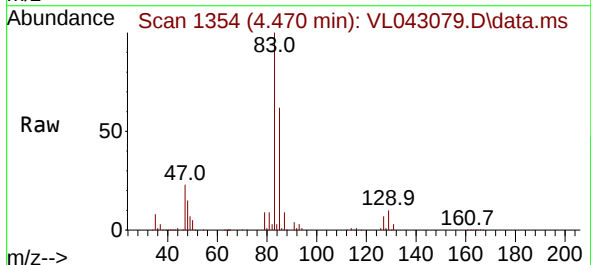
Manual Integrations
APPROVED

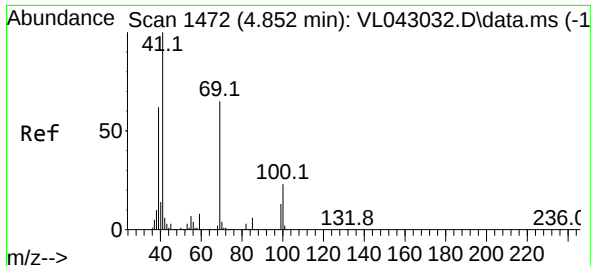
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#42
Bromodichloromethane
Concen: 9.550 ppbv
RT: 4.470 min Scan# 1354
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

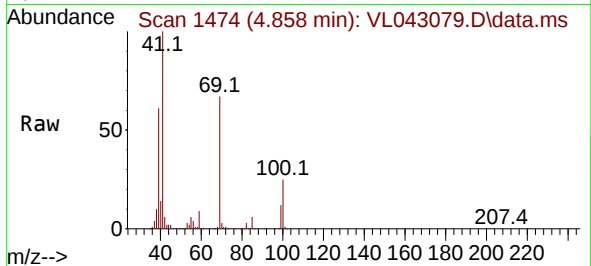
Tgt Ion: 83 Resp: 434122
Ion Ratio Lower Upper
83 100
85 62.3 51.8 77.8
127 7.5 5.9 8.9





#43
Methyl Methacrylate
Concen: 10.211 ppbv
RT: 4.858 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

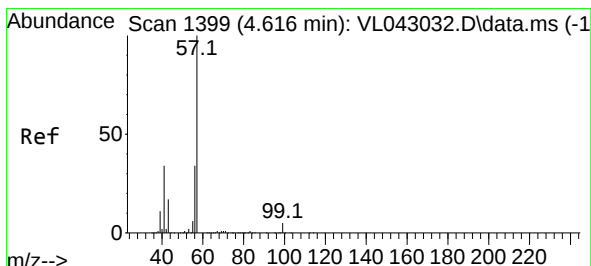
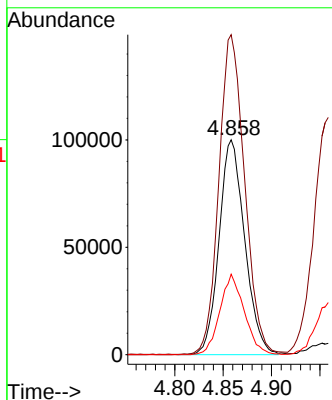
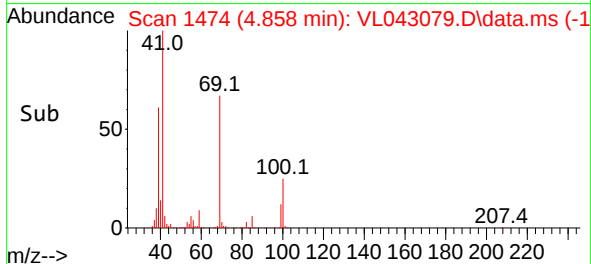
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



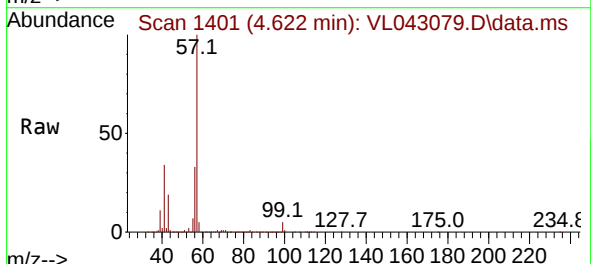
Tgt Ion: 69 Resp: 184234
Ion Ratio Lower Upper
69 100
41 149.5 118.0 177.0
100 35.7 28.3 42.5

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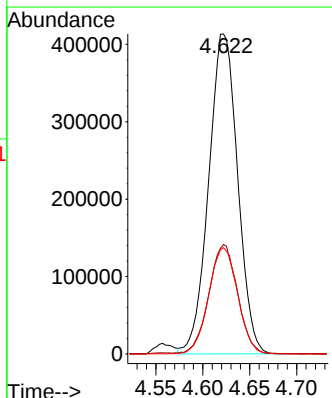
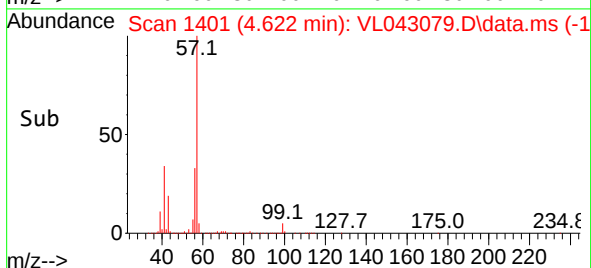
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

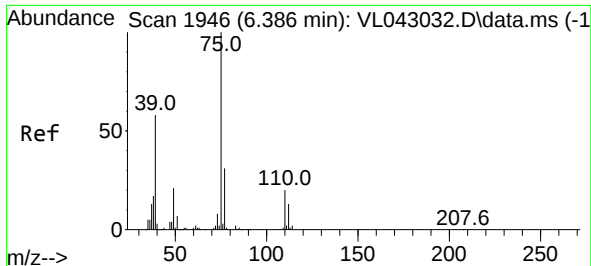


#44
2,2,4-Trimethylpentane
Concen: 10.175 ppbv
RT: 4.622 min Scan# 1401
Delta R.T. 0.006 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29



Tgt Ion: 57 Resp: 887460
Ion Ratio Lower Upper
57 100
41 34.4 27.0 40.4
56 33.3 26.0 39.0





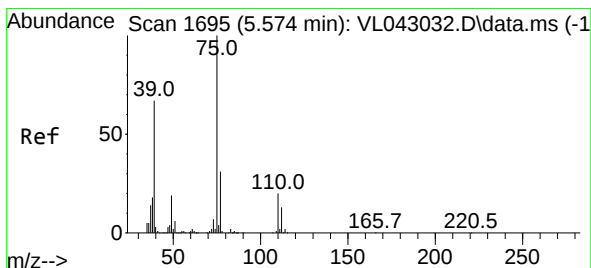
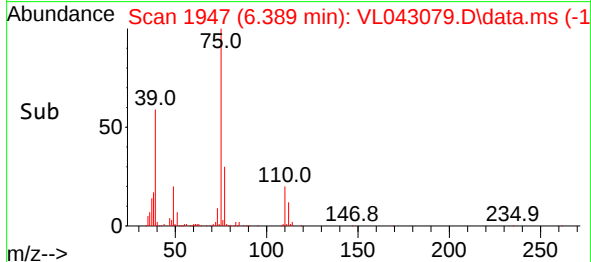
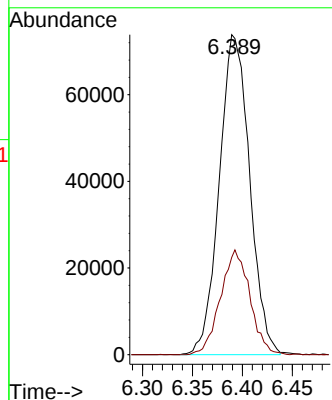
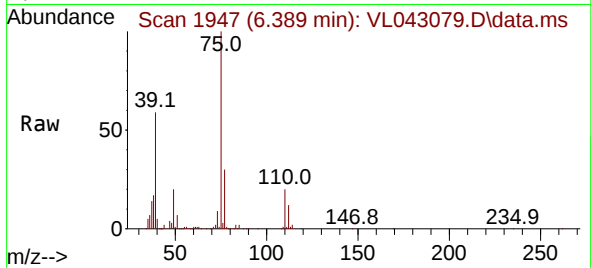
#45
t-1,3-Dichloropropene
Concen: 9.456 ppbv
RT: 6.389 min Scan# 1946
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 156138
Ion Ratio Lower Upper
75 100
77 30.4 24.7 37.1

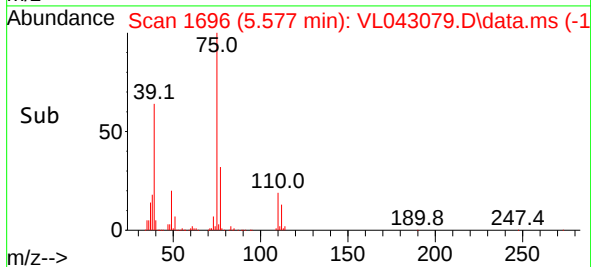
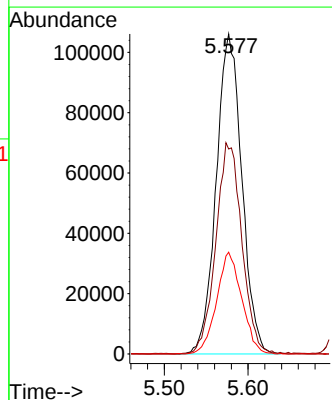
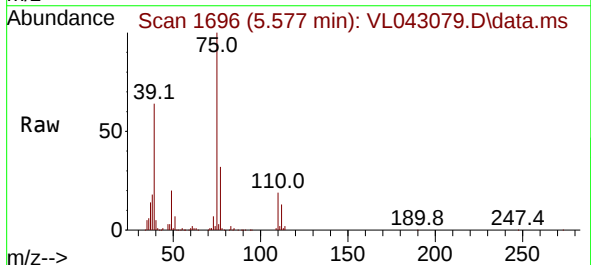
Manual Integrations
APPROVED

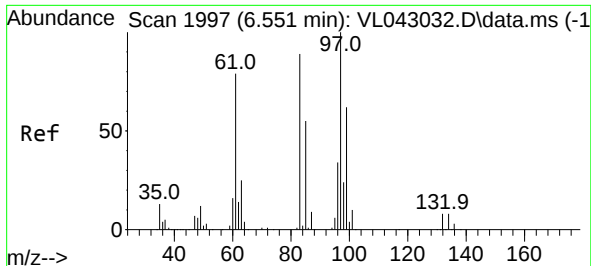
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#46
cis-1,3-Dichloropropene
Concen: 9.690 ppbv
RT: 5.577 min Scan# 1696
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

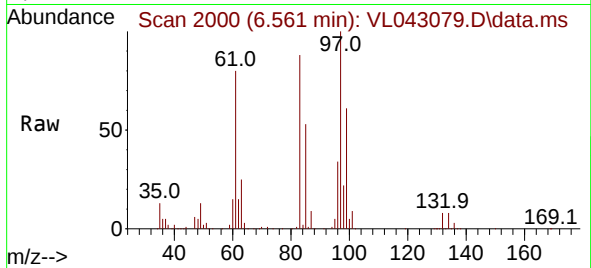
Tgt Ion: 75 Resp: 225445
Ion Ratio Lower Upper
75 100
39 64.0 53.4 80.0
77 31.7 25.0 37.4





#47
1,1,2-Trichloroethane
Concen: 9.375 ppbv
RT: 6.561 min Scan# 21090
Delta R.T. 0.010 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

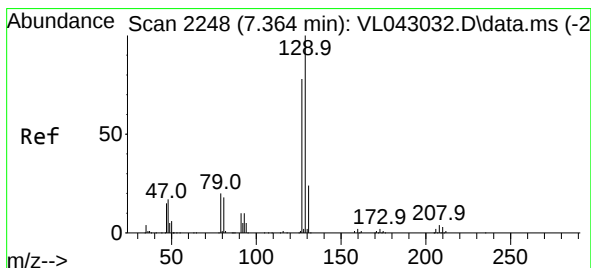
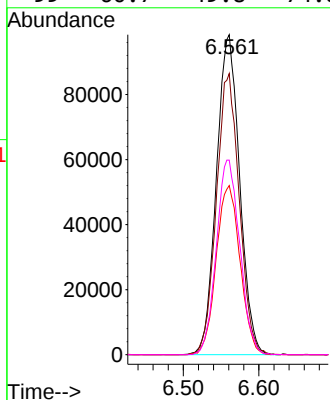
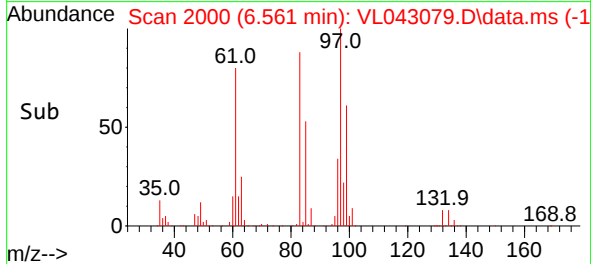
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 97 Resp: 21090
Ion Ratio Lower Upper
97 100
83 87.9 71.1 106.7
85 52.9 44.3 66.5
99 60.7 49.8 74.8

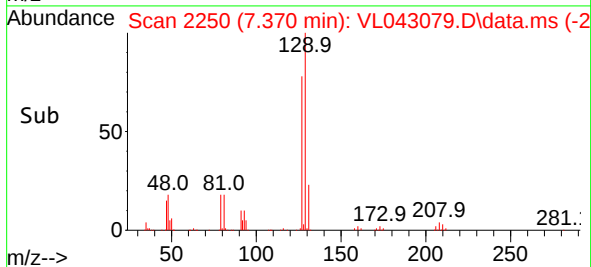
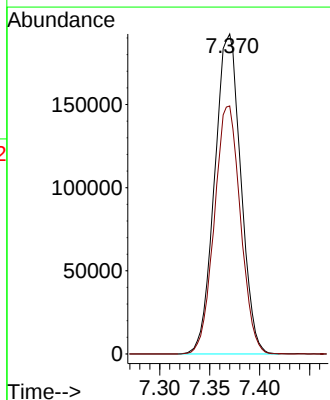
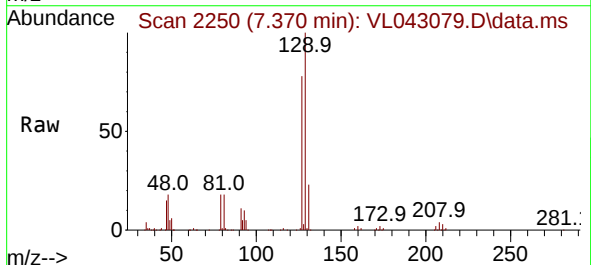
Manual Integrations
APPROVED

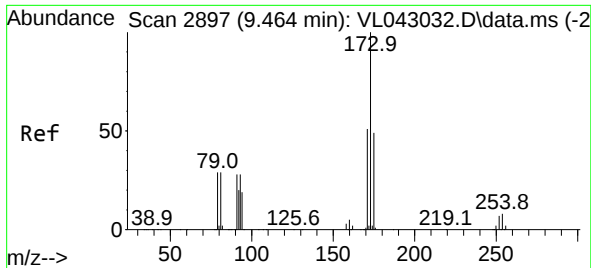
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#48
Dibromochloromethane
Concen: 9.590 ppbv
RT: 7.370 min Scan# 2250
Delta R.T. 0.006 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

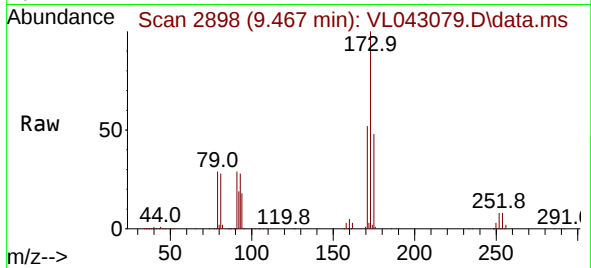
Tgt Ion:129 Resp: 350743
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0





#49
Bromoform
Concen: 10.029 ppbv
RT: 9.467 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

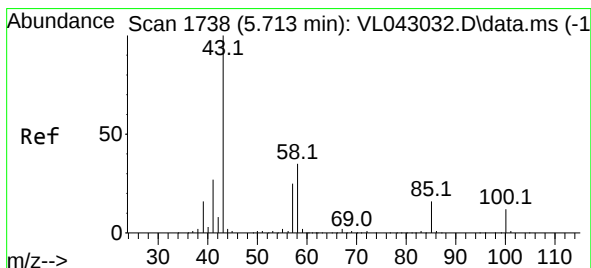
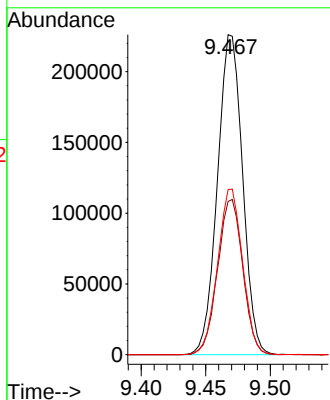
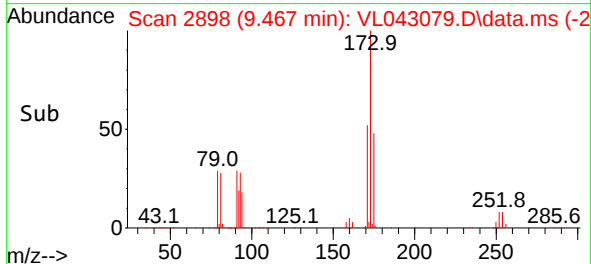
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:173 Resp: 306339
Ion Ratio Lower Upper
173 100
175 48.7 39.1 58.7
171 51.5 41.4 62.2

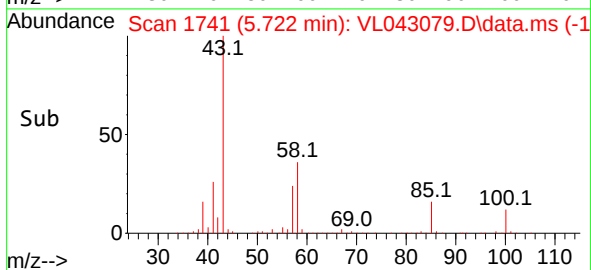
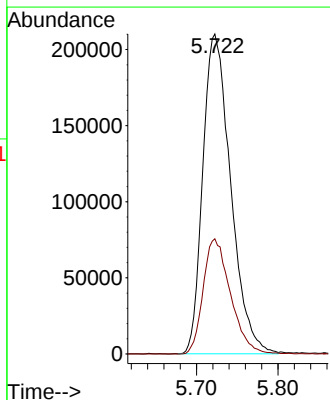
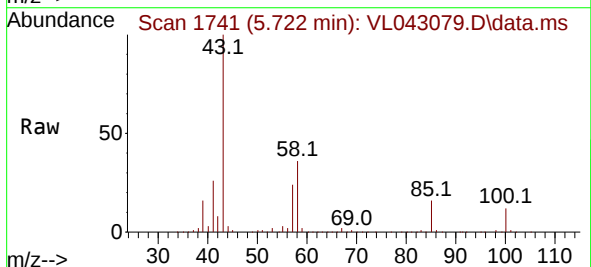
Manual Integrations
APPROVED

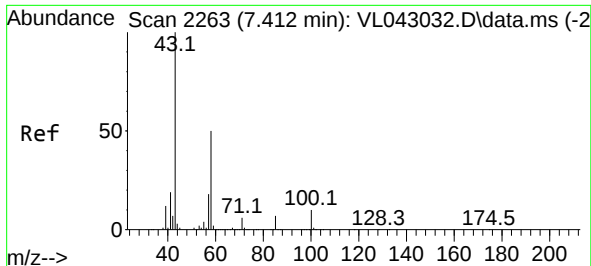
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#50
4-Methyl-2-Pentanone
Concen: 10.601 ppbv
RT: 5.722 min Scan# 1741
Delta R.T. 0.010 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

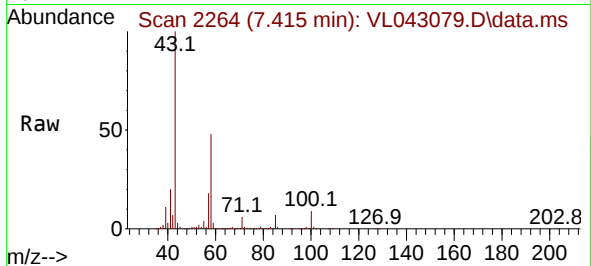
Tgt Ion: 43 Resp: 499008
Ion Ratio Lower Upper
43 100
58 35.4 28.7 43.1





#51
2-Hexanone
Concen: 11.318 ppbv
RT: 7.415 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

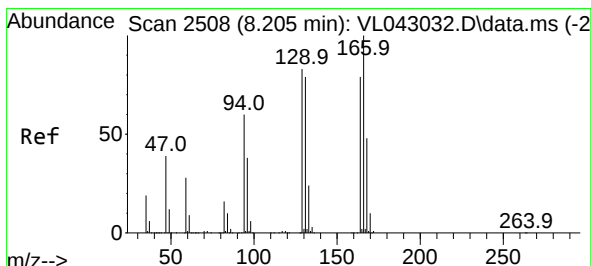
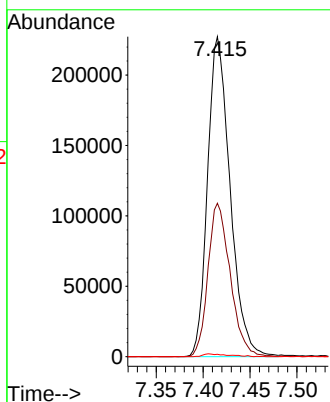
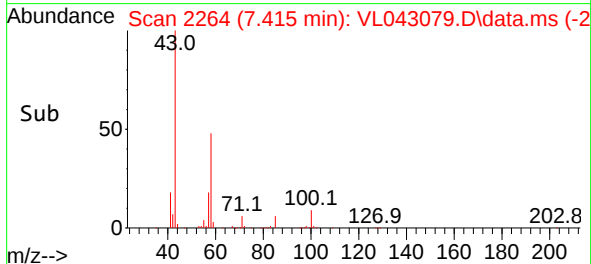
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 379224
Ion Ratio Lower Upper
43 100
58 47.4 39.1 58.7
98 1.0 0.5 0.7

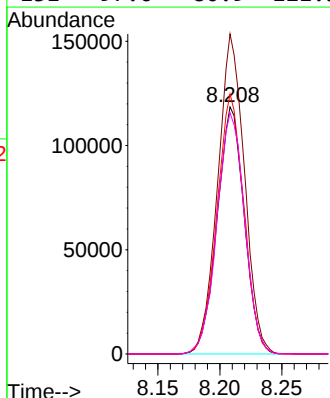
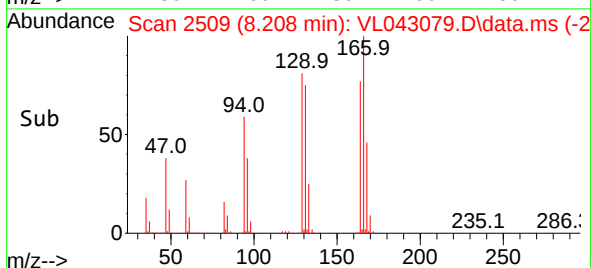
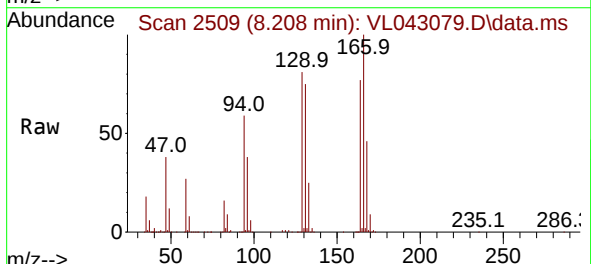
Manual Integrations
APPROVED

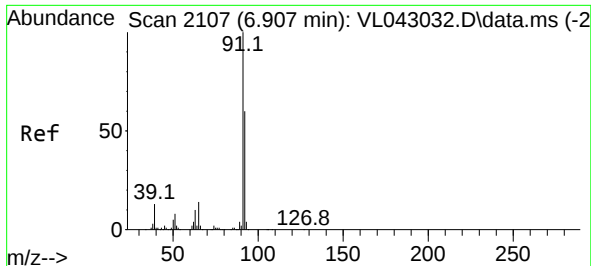
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#52
Tetrachloroethene
Concen: 8.980 ppbv
RT: 8.208 min Scan# 2509
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

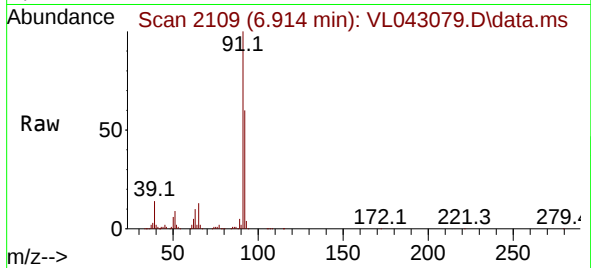
Tgt Ion:164 Resp: 180730
Ion Ratio Lower Upper
164 100
166 129.6 101.8 152.8
129 105.1 84.5 126.7
131 97.6 80.9 121.3





#53
Toluene
Concen: 10.261 ppbv
RT: 6.914 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

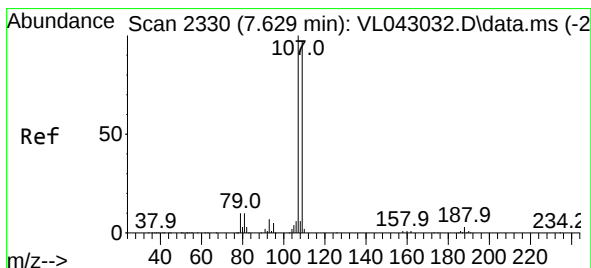
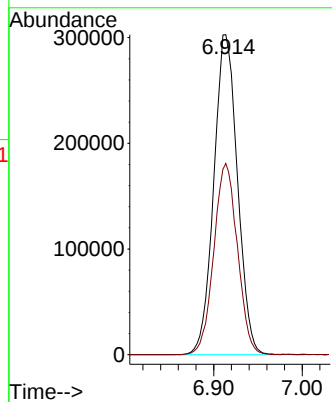
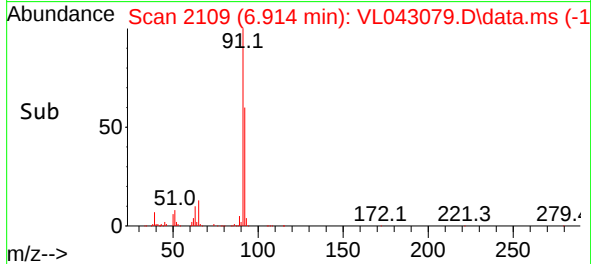
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



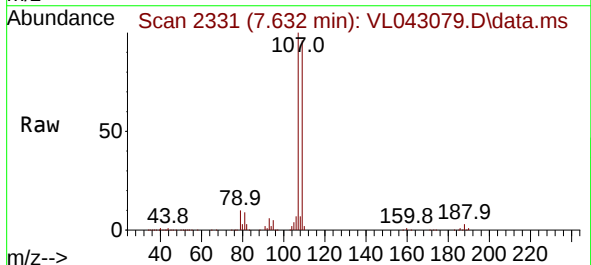
Tgt Ion: 91 Resp: 563029
Ion Ratio Lower Upper
91 100
92 59.6 47.8 71.6

Manual Integrations
APPROVED

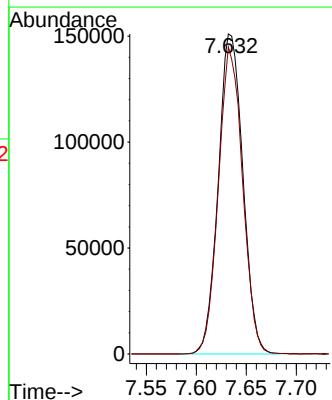
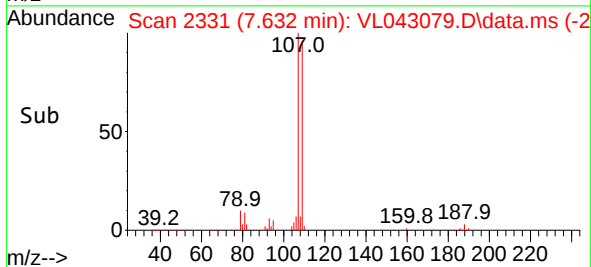
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

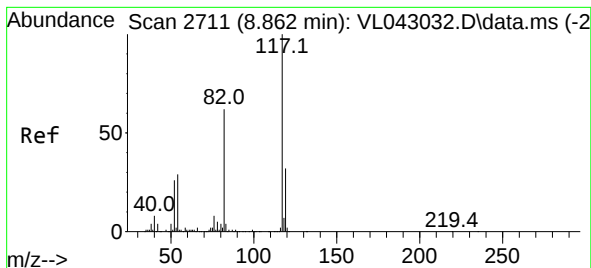


#54
1,2-Dibromoethane
Concen: 9.743 ppbv
RT: 7.632 min Scan# 2331
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29



Tgt Ion:107 Resp: 258790
Ion Ratio Lower Upper
107 100
109 95.9 77.4 116.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.865 min Scan# 2711

Delta R.T. 0.003 min

Lab File: VL043079.D

Acq: 09 Oct 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

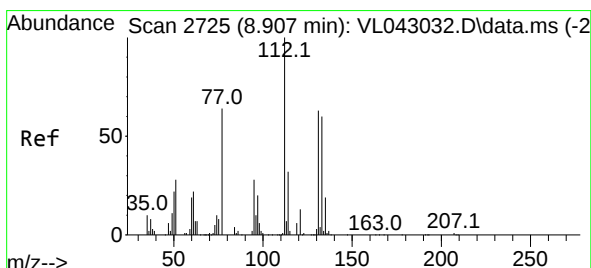
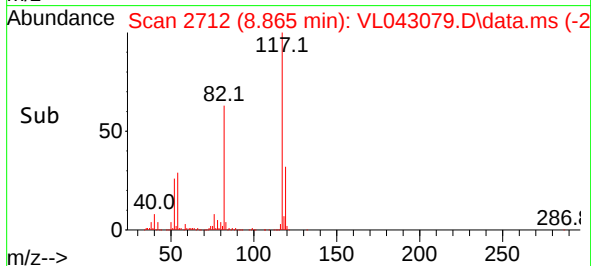
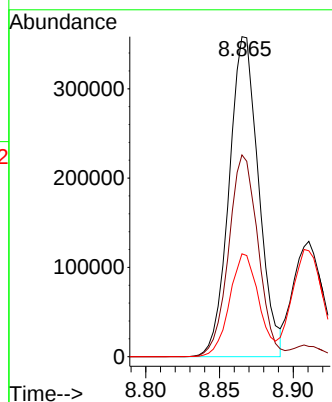
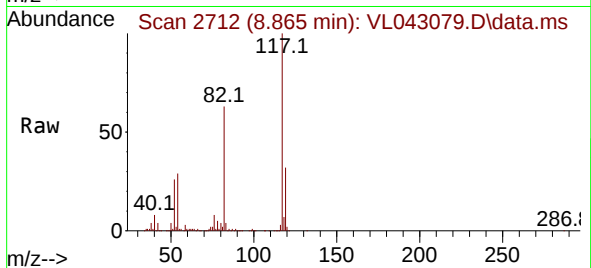
Tgt Ion:117 Resp: 498408

Ion	Ratio	Lower	Upper
117	100		
82	66.4	53.0	79.6
119	31.2	25.4	38.2

Manual Integrations

APPROVED

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



#56

1,1,1,2-Tetrachloroethane

Concen: 9.176 ppbv

RT: 8.911 min Scan# 2726

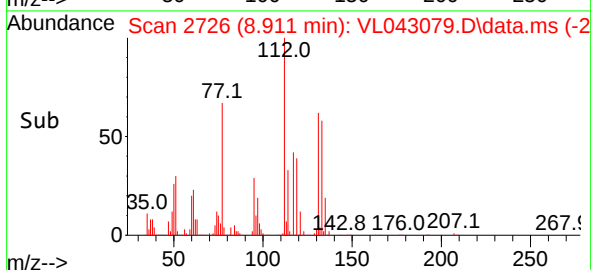
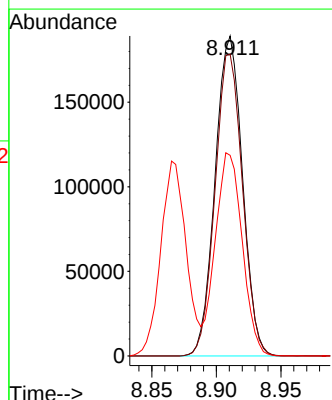
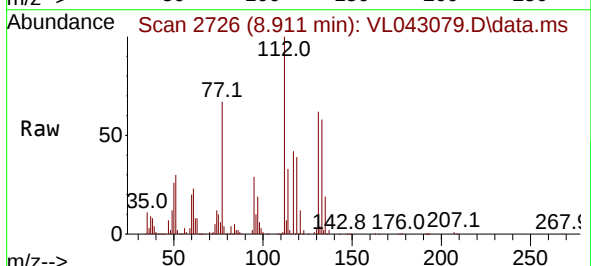
Delta R.T. 0.003 min

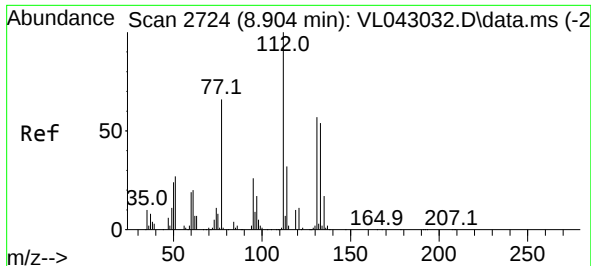
Lab File: VL043079.D

Acq: 09 Oct 2025 09:29

Tgt Ion:131 Resp: 278761

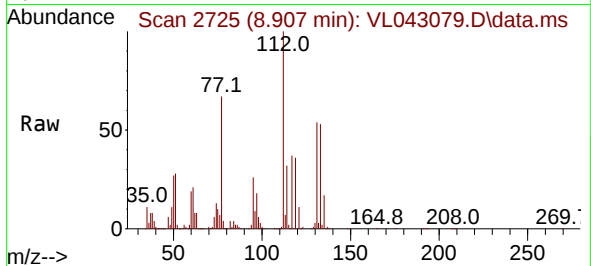
Ion	Ratio	Lower	Upper
131	100		
133	94.7	76.2	114.4
119	63.8	49.4	74.2





#57
Chlorobenzene
Concen: 9.043 ppbv
RT: 8.907 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

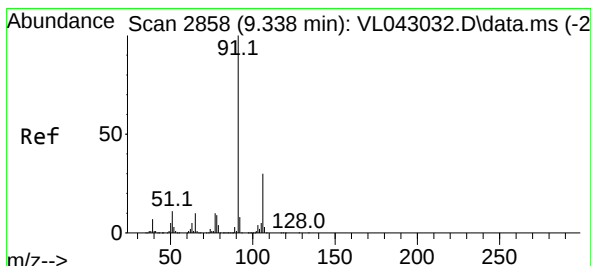
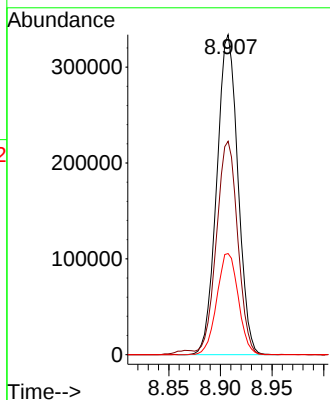
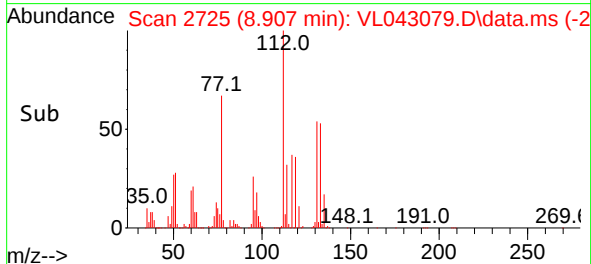
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:112 Resp: 476463
Ion Ratio Lower Upper
112 100
77 66.6 53.2 79.8
114 31.6 28.6 35.0

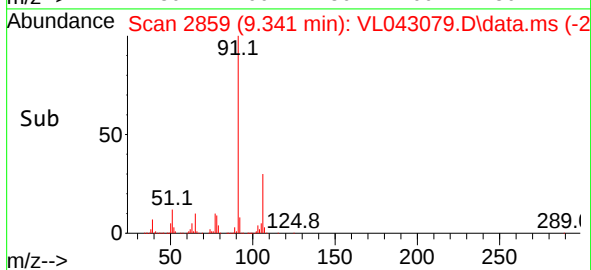
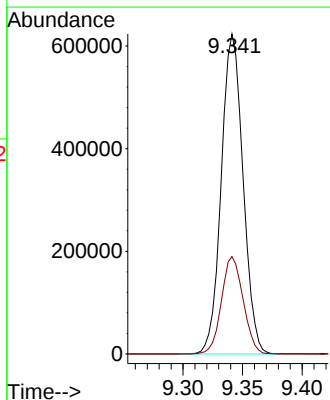
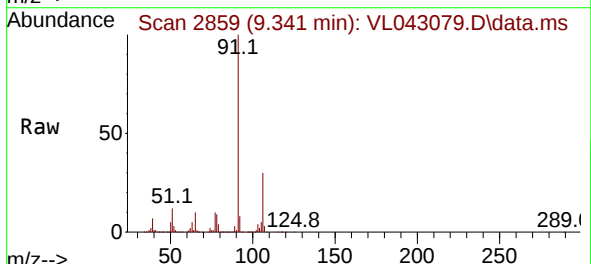
Manual Integrations
APPROVED

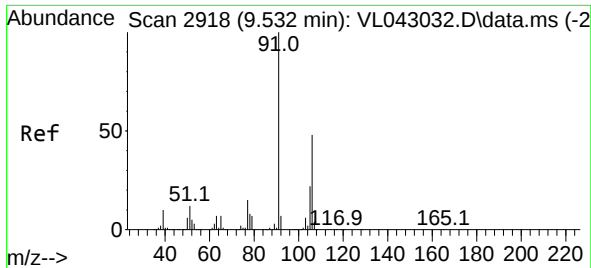
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#58
Ethyl Benzene
Concen: 10.241 ppbv
RT: 9.341 min Scan# 2859
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

Tgt Ion: 91 Resp: 790793
Ion Ratio Lower Upper
91 100
106 30.5 24.1 36.1





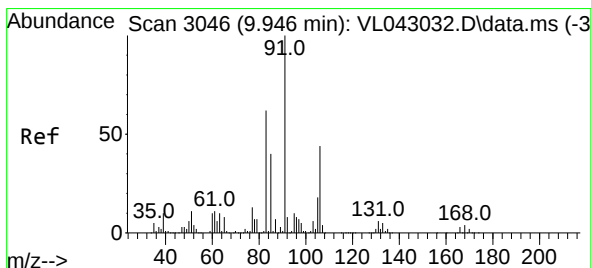
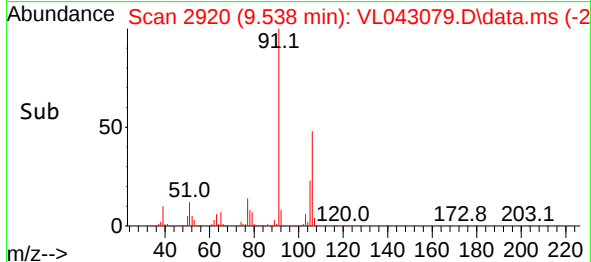
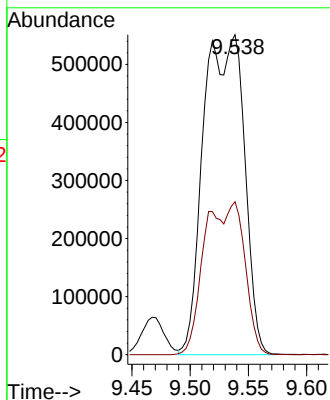
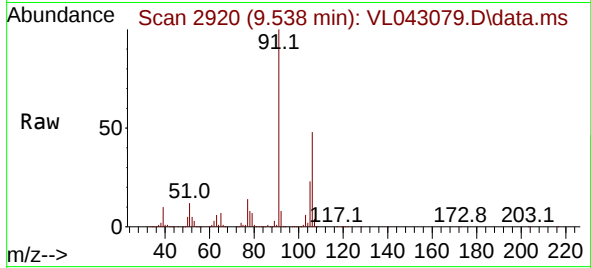
#59
m/p-Xylene
Concen: 20.570 ppbv m
RT: 9.538 min Scan# 2918
Delta R.T. 0.006 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 1339639
Ion Ratio Lower Upper
91 100
106 47.3 37.5 56.3

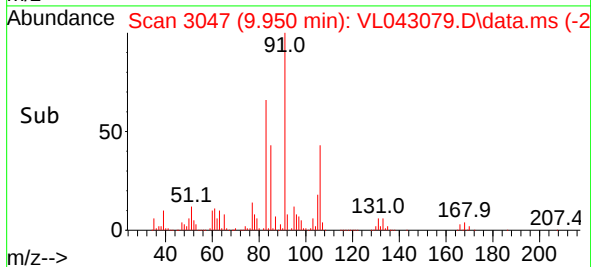
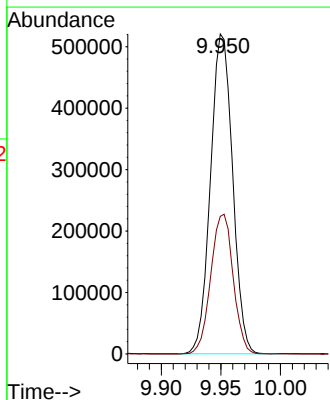
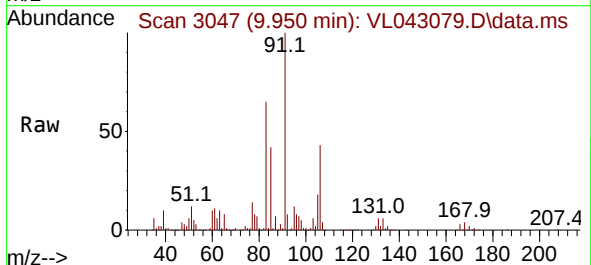
Manual Integrations
APPROVED

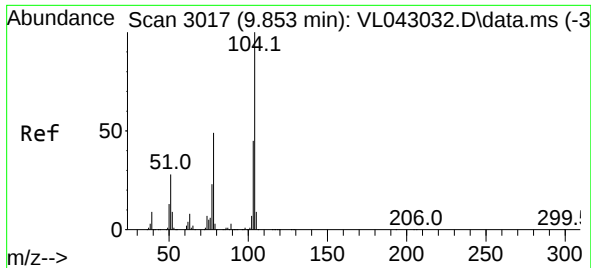
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#60
o-Xylene
Concen: 10.327 ppbv
RT: 9.950 min Scan# 3047
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

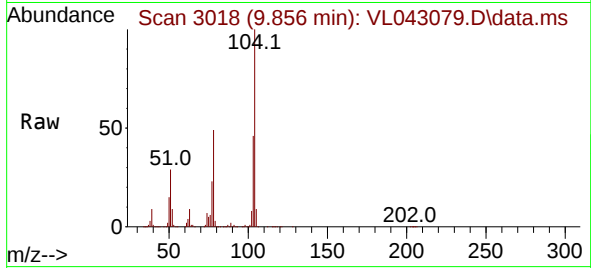
Tgt Ion: 91 Resp: 669997
Ion Ratio Lower Upper
91 100
106 44.4 21.9 65.5





#61
Styrene
Concen: 10.497 ppbv
RT: 9.856 min Scan# 3017
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

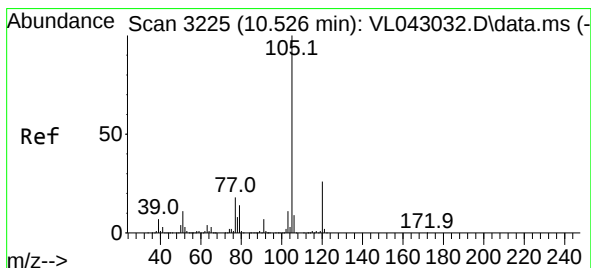
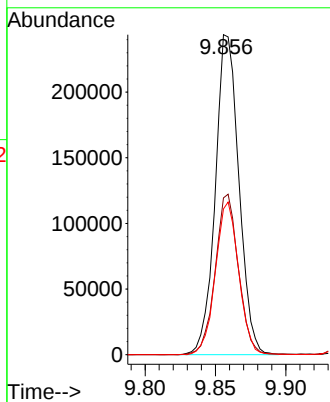
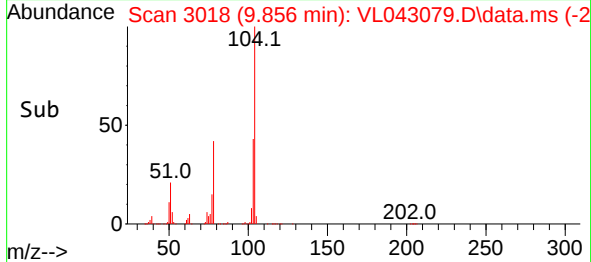
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:104 Resp: 28529
Ion Ratio Lower Upper
104 100
78 49.3 39.7 59.5
103 47.0 37.6 56.4

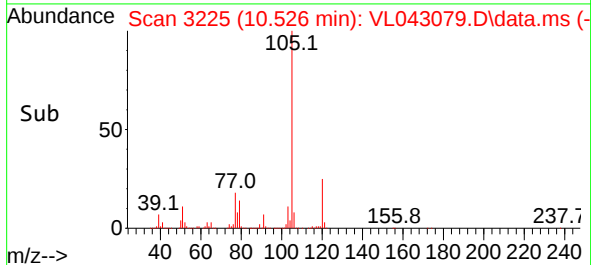
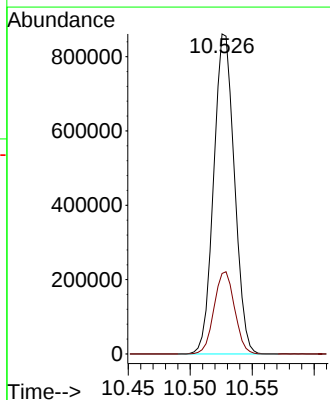
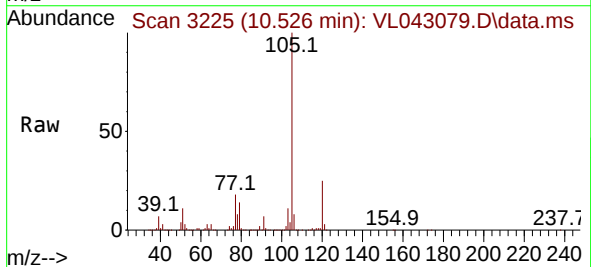
Manual Integrations
APPROVED

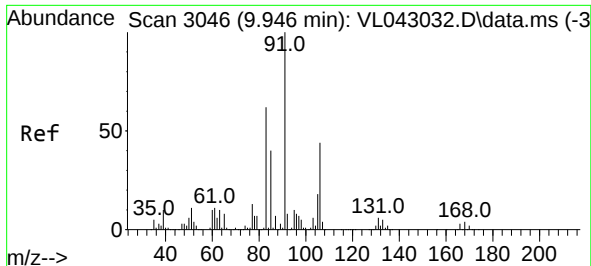
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#62
Isopropylbenzene
Concen: 10.064 ppbv
RT: 10.526 min Scan# 3225
Delta R.T. -0.000 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

Tgt Ion:105 Resp: 1002224
Ion Ratio Lower Upper
105 100
120 25.5 20.6 31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 9.238 ppbv

RT: 9.950 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VL043079.D

Acq: 09 Oct 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

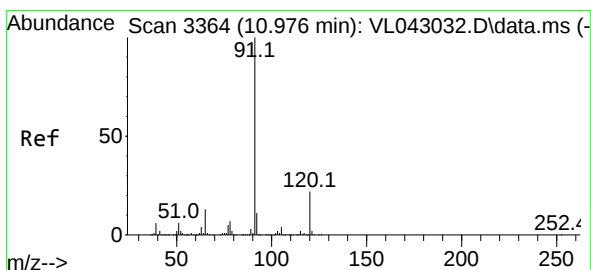
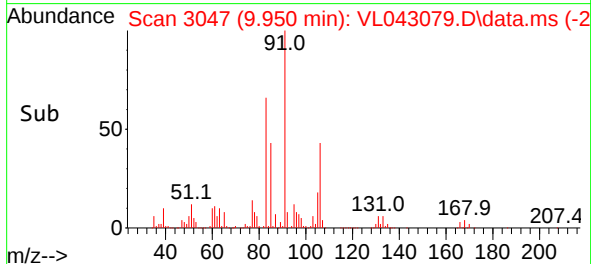
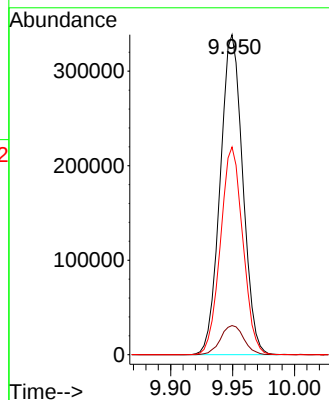
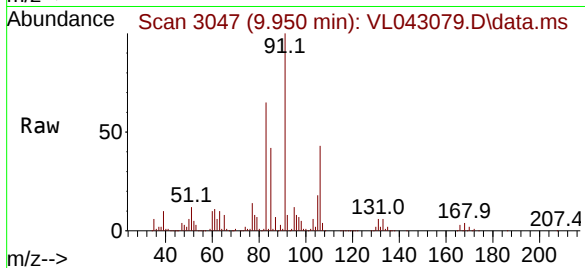
Tgt Ion: 83 Resp: 42996

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.1
85	64.4	32.0	96.2

Manual Integrations

APPROVED

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



#64

n-propylbenzene

Concen: 10.492 ppbv

RT: 10.979 min Scan# 3365

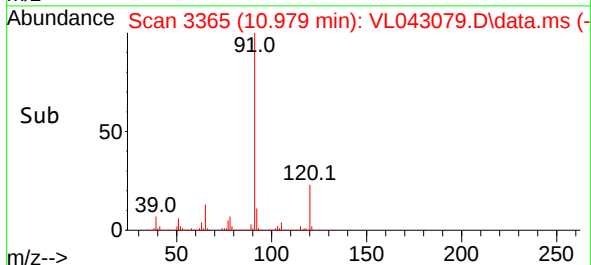
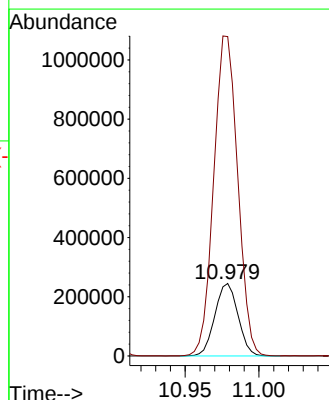
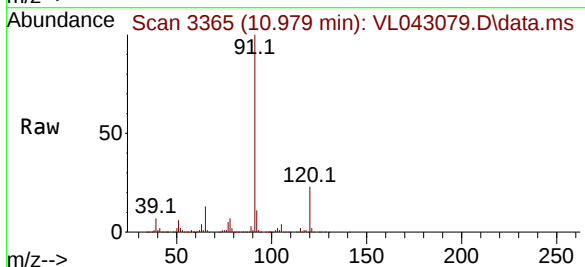
Delta R.T. 0.003 min

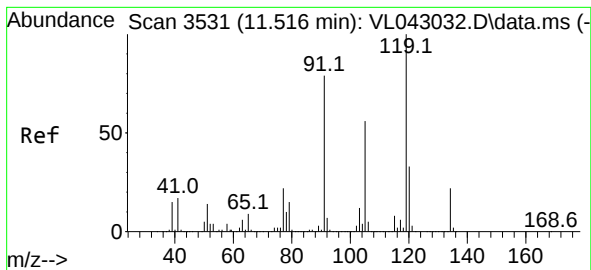
Lab File: VL043079.D

Acq: 09 Oct 2025 09:29

Tgt Ion:120 Resp: 267283

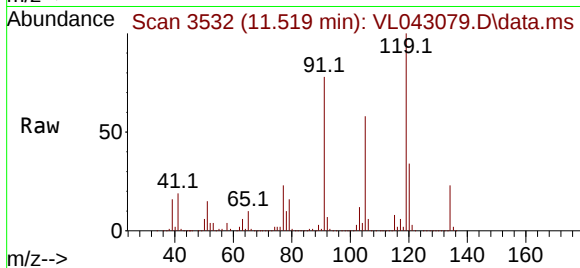
Ion	Ratio	Lower	Upper
120	100		
91	458.0	367.0	550.4





#65
tert-Butylbenzene
Concen: 10.296 ppbv
RT: 11.519 min Scan# 3532
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

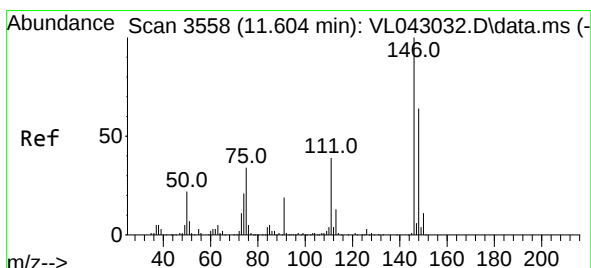
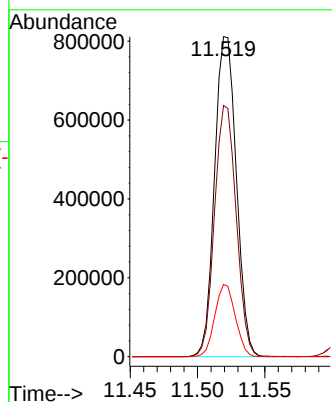
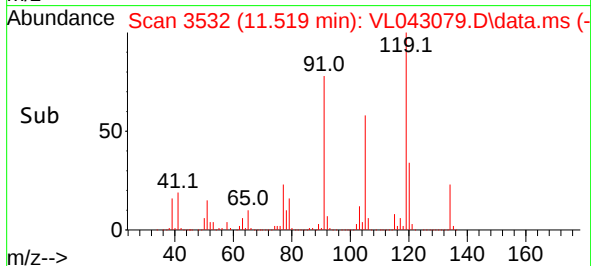
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:119 Resp: 91256
Ion Ratio Lower Upper
119 100
91 78.1 63.1 94.7
134 21.2 16.9 25.3

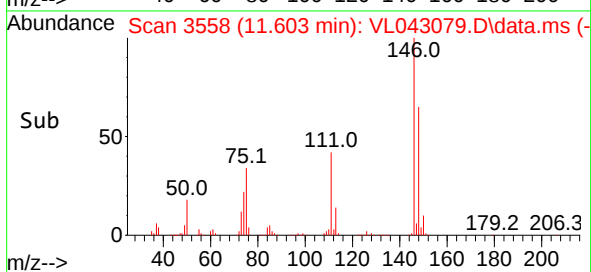
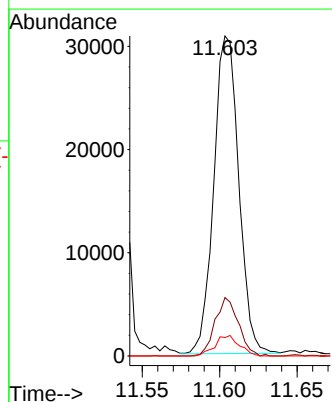
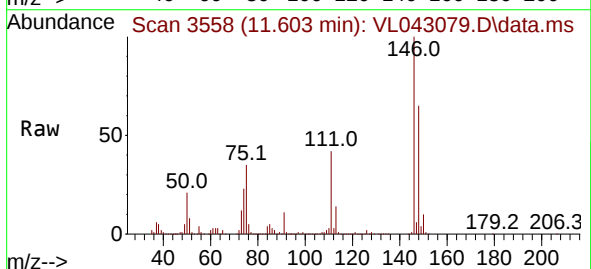
Manual Integrations
APPROVED

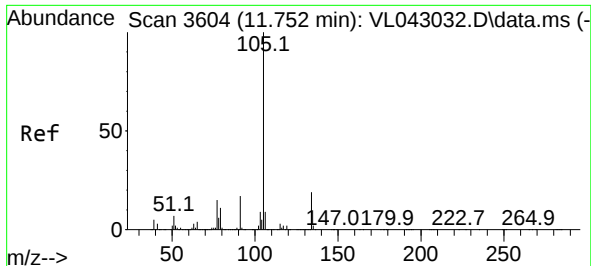
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#66
Benzyl Chloride
Concen: 10.197 ppbv
RT: 11.603 min Scan# 3558
Delta R.T. -0.000 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

Tgt Ion: 91 Resp: 34544
Ion Ratio Lower Upper
91 100
126 17.1 14.2 21.4
128 6.3 4.8 7.2





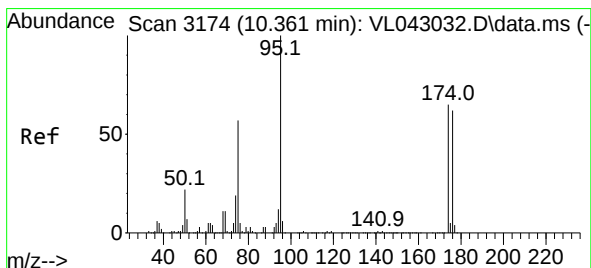
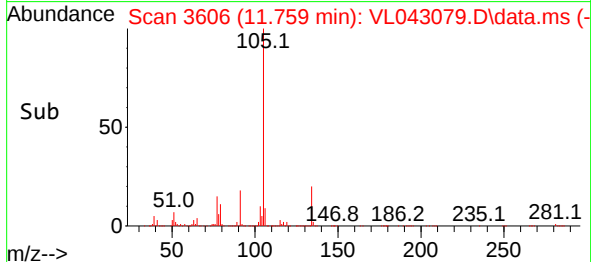
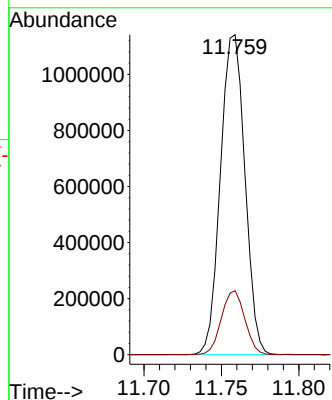
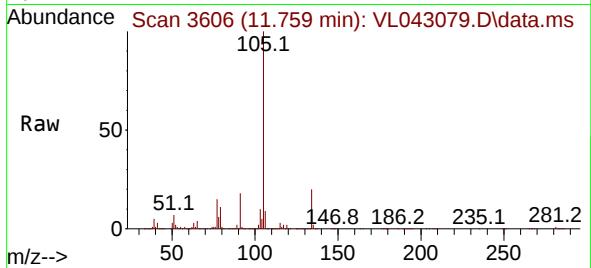
#67
 sec-Butylbenzene
 Concen: 10.131 ppbv
 RT: 11.759 min Scan# 3606
 Delta R.T. 0.006 min
 Lab File: VL043079.D
 Acq: 09 Oct 2025 09:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:105 Resp: 1253010
 Ion Ratio Lower Upper
 105 100
 134 19.2 15.2 22.8

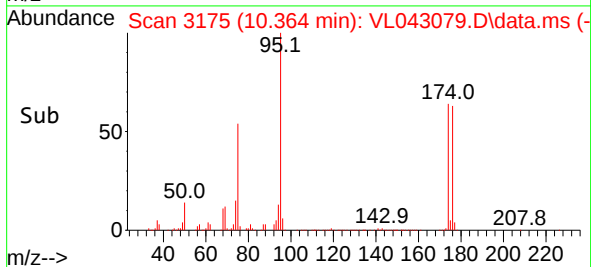
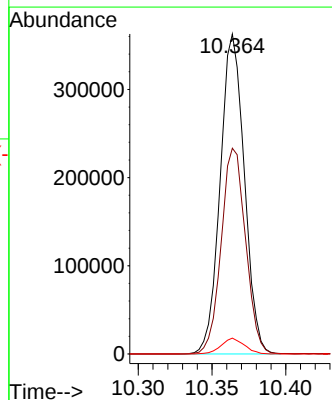
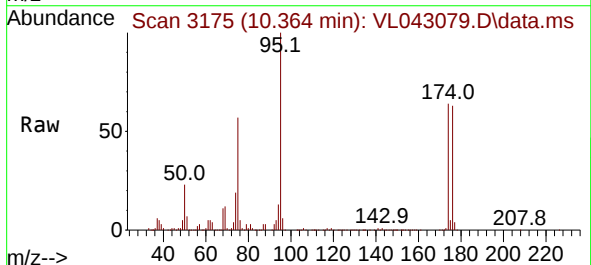
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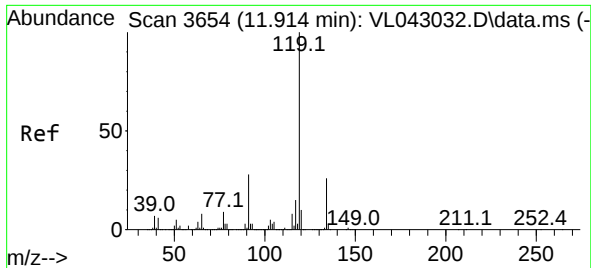
Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.481 ppbv
 RT: 10.364 min Scan# 3175
 Delta R.T. 0.003 min
 Lab File: VL043079.D
 Acq: 09 Oct 2025 09:29

Tgt Ion: 95 Resp: 412204
 Ion Ratio Lower Upper
 95 100
 174 65.2 52.3 78.5
 175 4.8 3.8 5.8





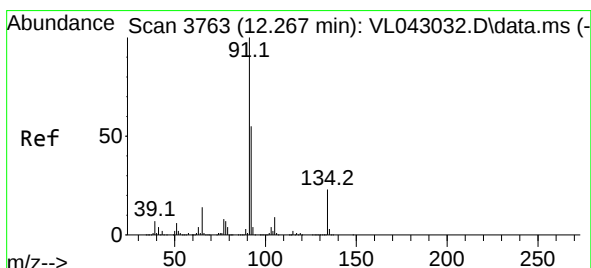
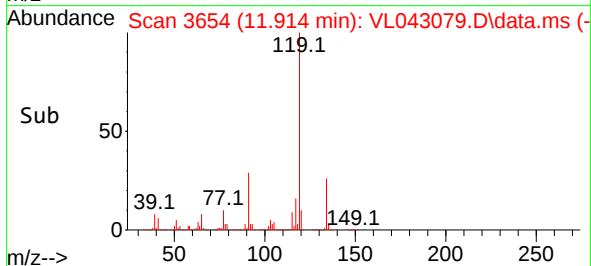
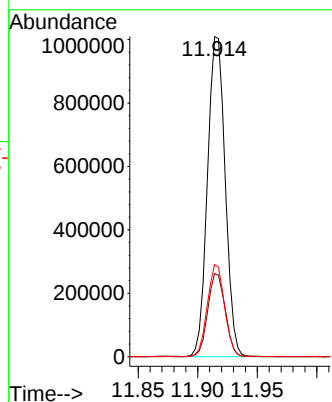
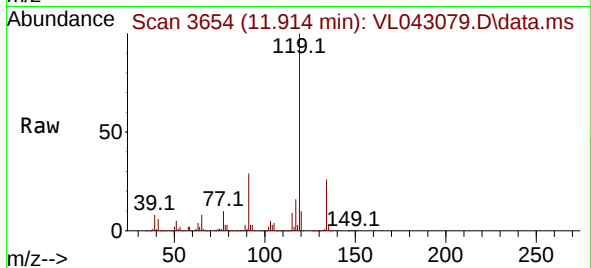
#69
p-Isopropyltoluene
Concen: 10.387 ppbv
RT: 11.914 min Scan# 3654
Delta R.T. -0.000 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 1045052
Ion Ratio Lower Upper
119 100
134 25.6 20.5 30.7
91 28.1 22.6 33.8

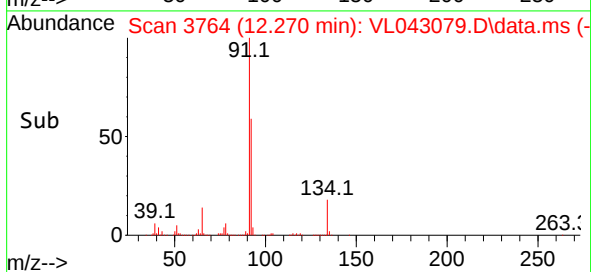
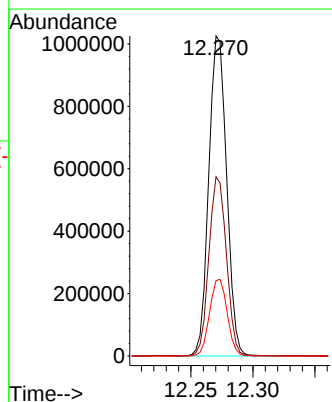
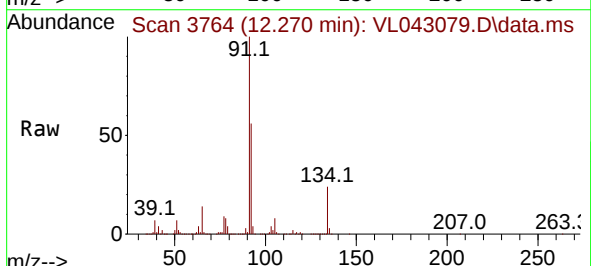
Manual Integrations
APPROVED

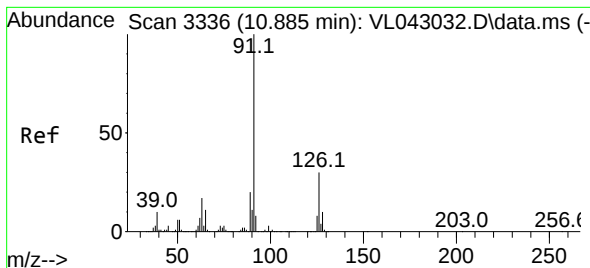
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#70
n-Butylbenzene
Concen: 10.608 ppbv
RT: 12.270 min Scan# 3764
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

Tgt Ion: 91 Resp: 1027696
Ion Ratio Lower Upper
91 100
92 55.2 43.9 65.9
134 23.6 18.9 28.3





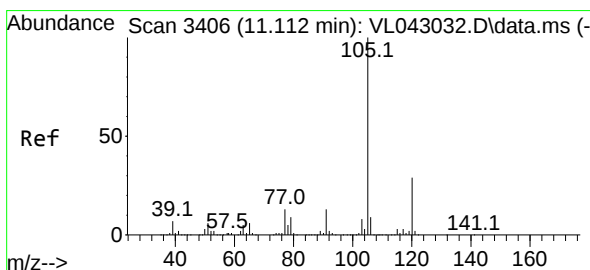
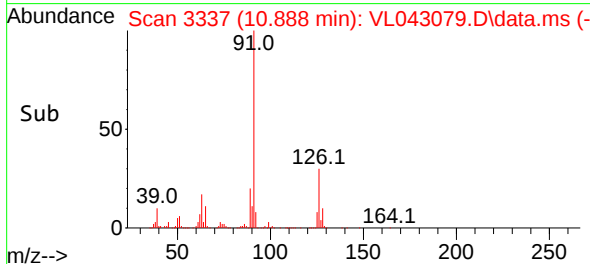
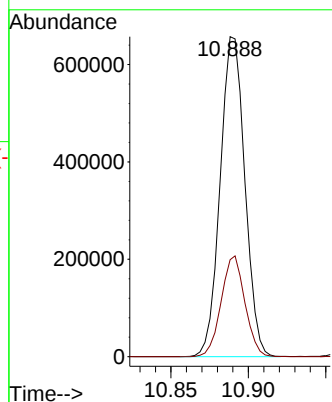
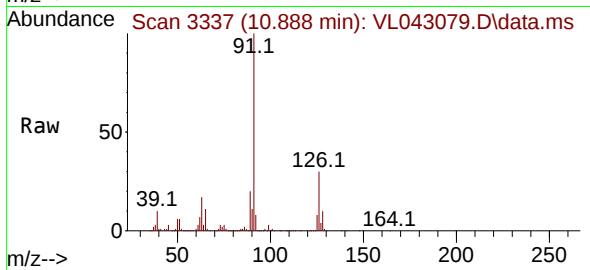
#71
2-Chlorotoluene
Concen: 10.103 ppbv
RT: 10.888 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 728220
Ion Ratio Lower Upper
91 100
126 30.3 12.2 48.6

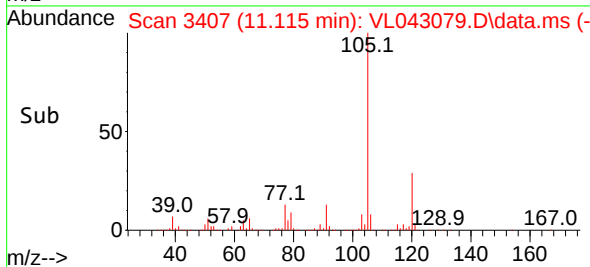
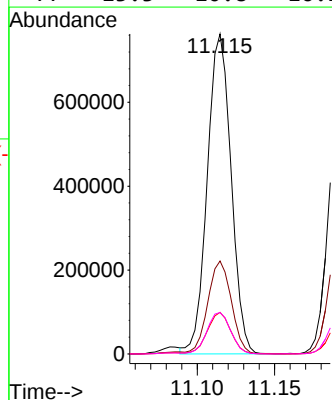
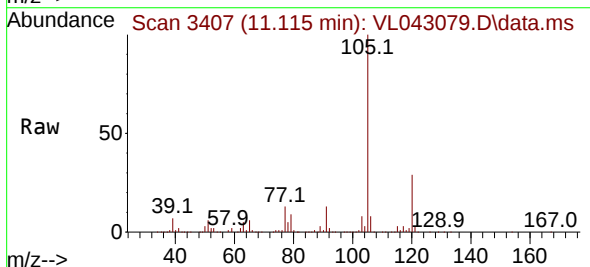
Manual Integrations
APPROVED

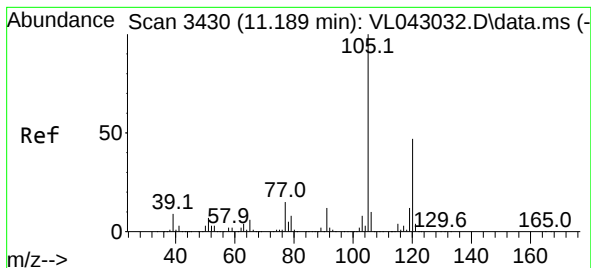
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#72
4-Ethyltoluene
Concen: 10.561 ppbv
RT: 11.115 min Scan# 3407
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

Tgt Ion:105 Resp: 815476
Ion Ratio Lower Upper
105 100
120 29.3 23.5 35.3
91 13.1 10.4 15.6
77 13.3 10.8 16.2





#73

1,3,5-Trimethylbenzene

Concen: 10.273 ppbv

RT: 11.192 min Scan# 3431

Delta R.T. 0.003 min

Lab File: VL043079.D

Acq: 09 Oct 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 68623

Ion Ratio Lower Upper

105 100

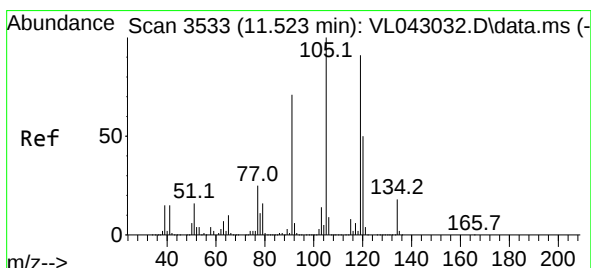
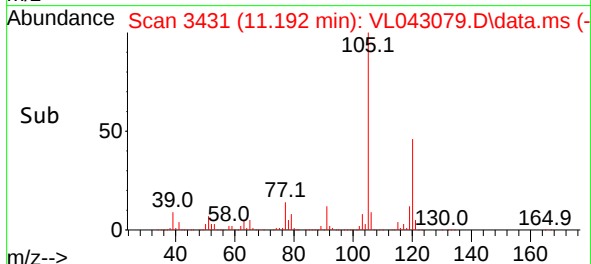
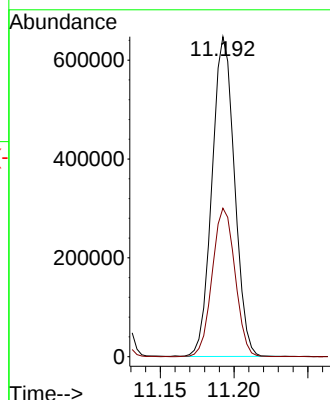
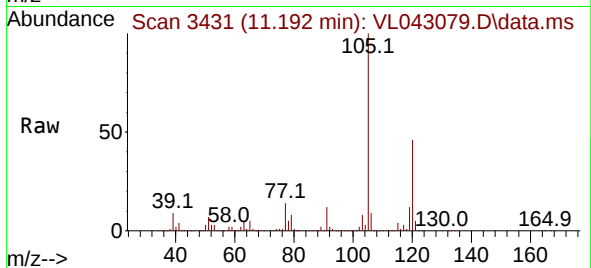
120 46.4 37.5 56.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#74

1,2,4-Trimethylbenzene

Concen: 10.315 ppbv

RT: 11.526 min Scan# 3534

Delta R.T. 0.003 min

Lab File: VL043079.D

Acq: 09 Oct 2025 09:29

Tgt Ion:105 Resp: 777637

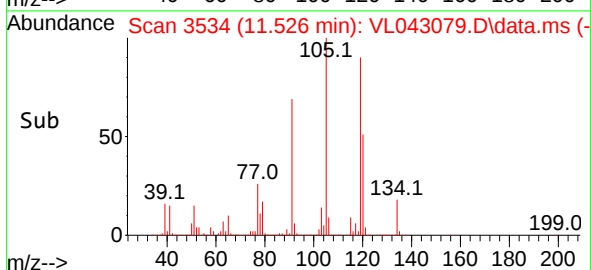
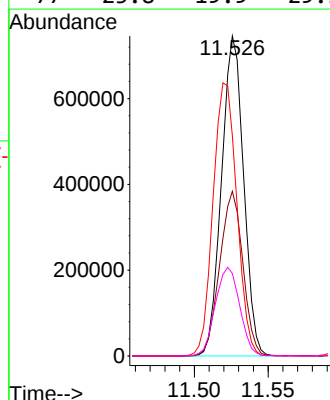
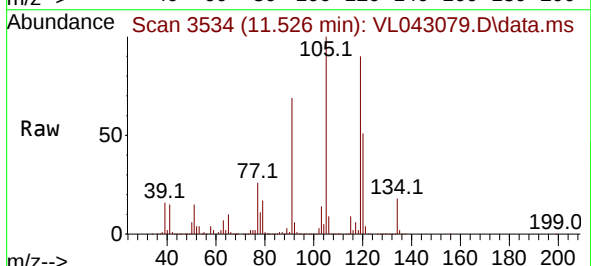
Ion Ratio Lower Upper

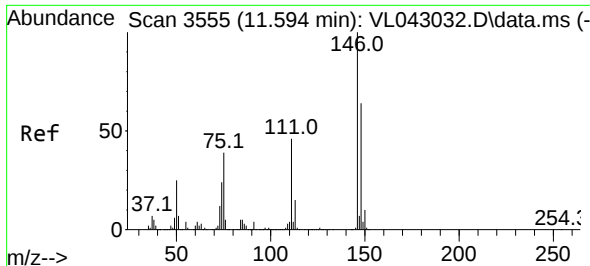
105 100

120 51.4 39.7 59.5

91 68.8 56.5 84.7

77 25.8 19.9 29.9





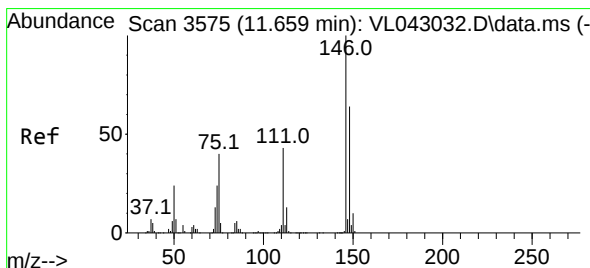
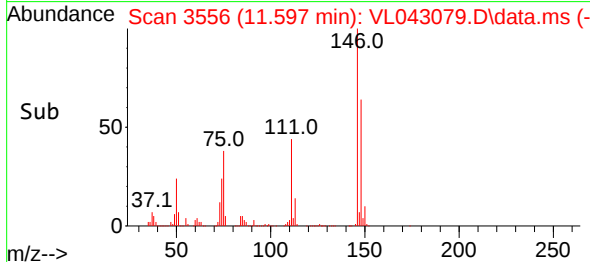
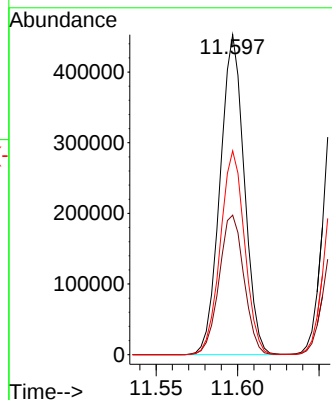
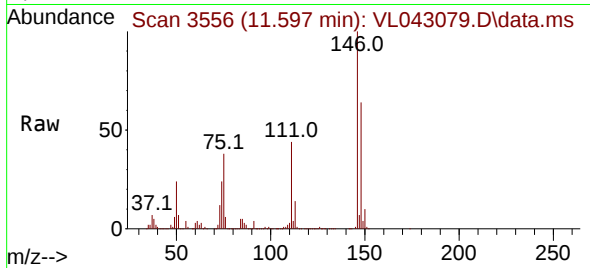
#75
1,3-Dichlorobenzene
Concen: 9.506 ppbv
RT: 11.597 min Scan# 3555
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 46613
Ion Ratio Lower Upper
146 100
111 44.9 22.6 67.7
148 64.0 31.9 95.7

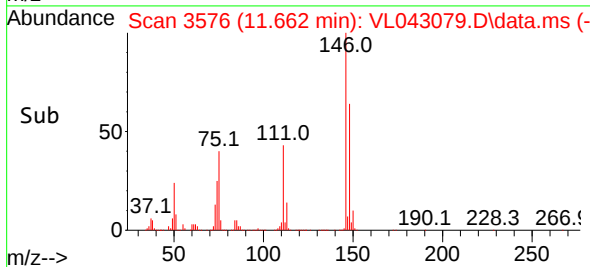
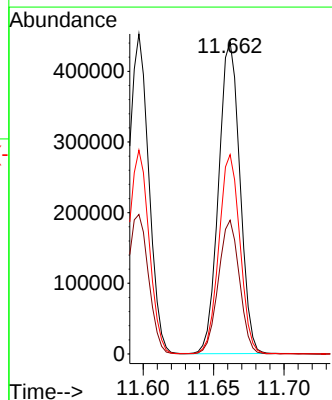
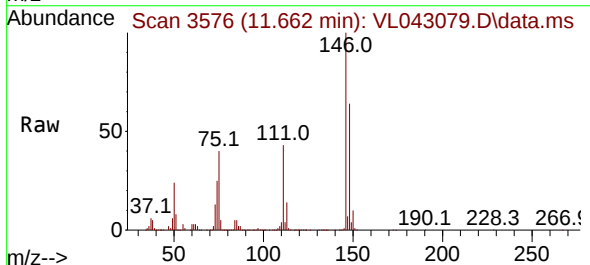
Manual Integrations
APPROVED

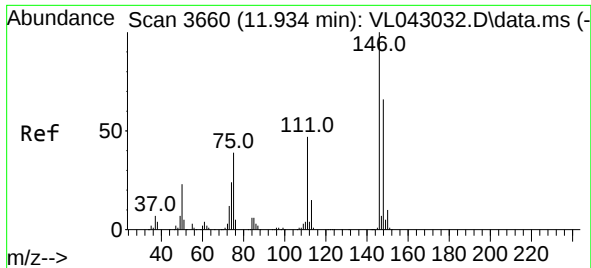
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#76
1,4-Dichlorobenzene
Concen: 9.940 ppbv
RT: 11.662 min Scan# 3576
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

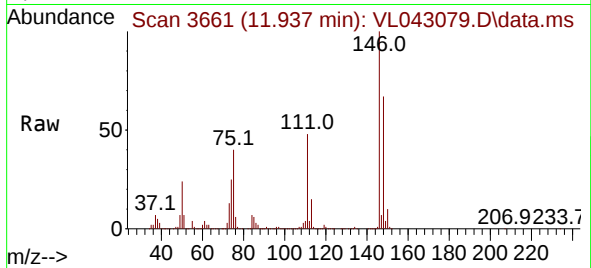
Tgt Ion:146 Resp: 464723
Ion Ratio Lower Upper
146 100
111 42.5 21.7 65.1
148 63.5 32.1 96.3





#77
1,2-Dichlorobenzene
Concen: 9.168 ppbv
RT: 11.937 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29

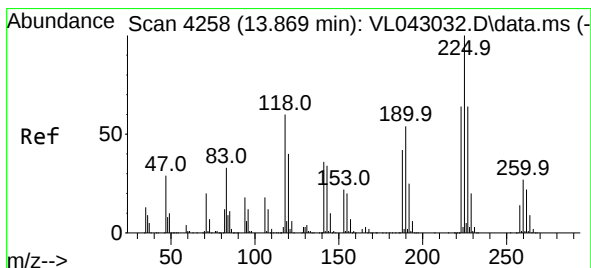
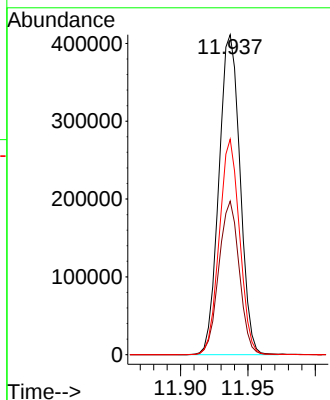
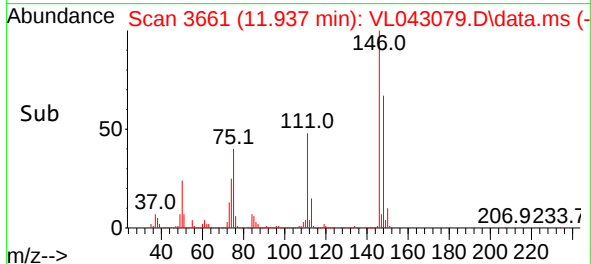
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



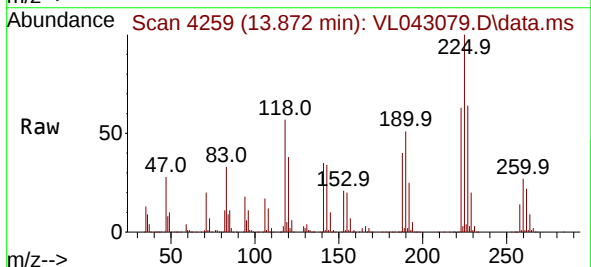
Tgt Ion:146 Resp: 447776
Ion Ratio Lower Upper
146 100
111 46.7 23.2 69.5
148 64.9 31.9 95.7

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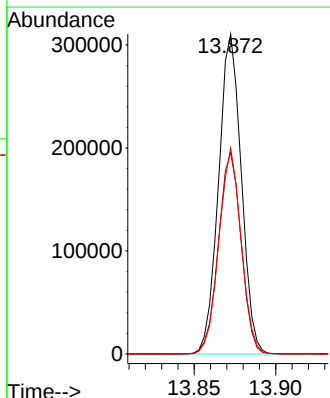
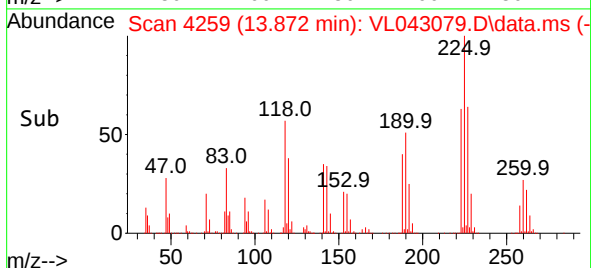
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

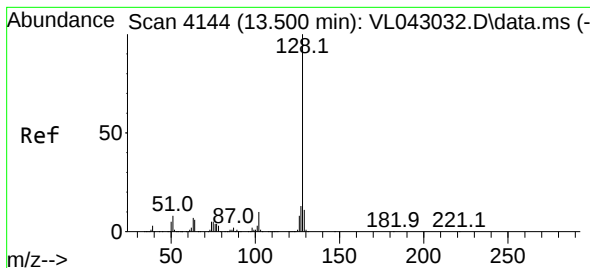


#78
Hexachloro-1,3-Butadiene
Concen: 8.838 ppbv
RT: 13.872 min Scan# 4259
Delta R.T. 0.003 min
Lab File: VL043079.D
Acq: 09 Oct 2025 09:29



Tgt Ion:225 Resp: 300771
Ion Ratio Lower Upper
225 100
223 62.7 50.9 76.3
227 62.8 50.9 76.3





#79

Naphthalene

Concen: 9.050 ppbv

RT: 13.503 min Scan# 4144

Delta R.T. 0.003 min

Lab File: VL043079.D

Acq: 09 Oct 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:128 Resp: 57435

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

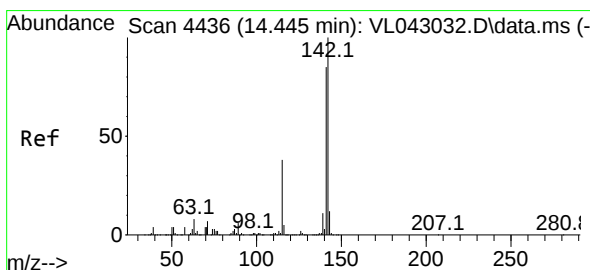
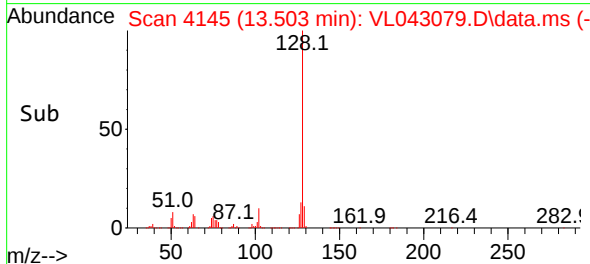
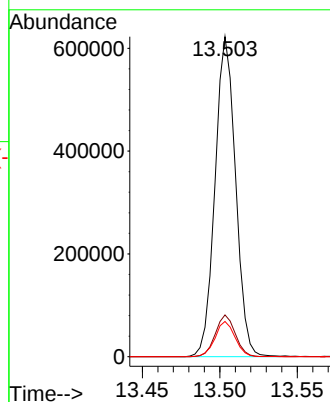
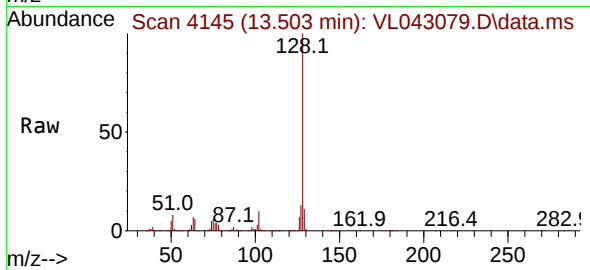
129 11.0 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#80

Naphthalene,2-methyl-

Concen: 7.599 ppbv

RT: 14.448 min Scan# 4437

Delta R.T. 0.003 min

Lab File: VL043079.D

Acq: 09 Oct 2025 09:29

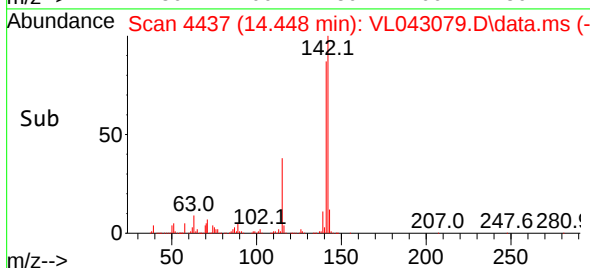
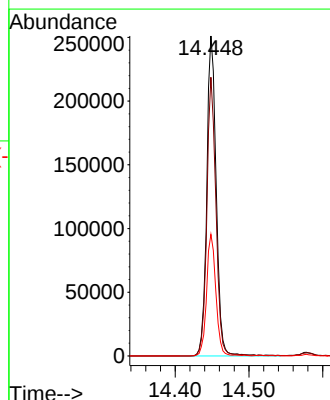
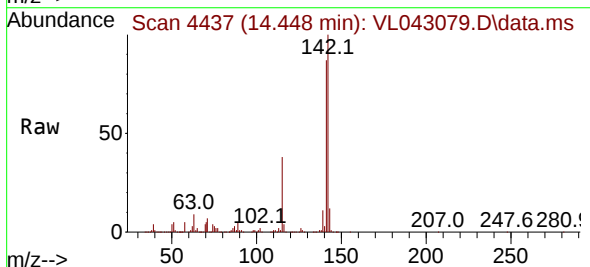
Tgt Ion:142 Resp: 221717

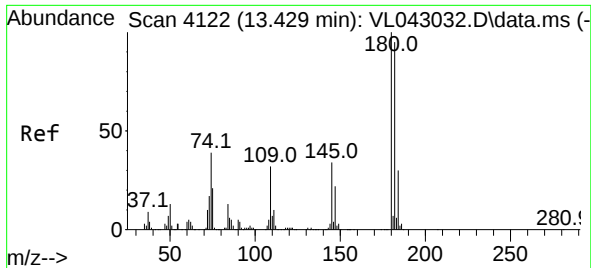
Ion Ratio Lower Upper

142 100

141 84.9 66.6 100.0

115 37.7 30.1 45.1





#81

1,2,4-Trichlorobenzene

Concen: 10.671 ppbv

RT: 13.432 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043079.D

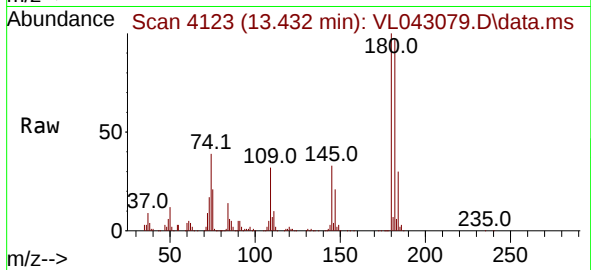
Acq: 09 Oct 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 31007

Ion Ratio Lower Upper

180 100

182 95.4 76.9 115.3

184 30.1 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025

