

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043033.D
 Acq On : 02 Oct 2025 10:57
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

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

Quant Time: Oct 03 08:02:17 2025

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

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

QLast Update : Fri Oct 03 07:59:23 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.771	49	179740	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.936	114	541054	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.859	117	447624	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.357 95 327830 10.167 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.492	85	61057	2.016	ppbv	97
3) Chlorodifluoromethane	1.470	51	60544	2.066	ppbv	97
4) Chloromethane	1.528	50	22071	1.995	ppbv	98
5) Vinyl Chloride	1.573	62	20286	1.932	ppbv	98
6) Bromomethane	1.661	94	9696	2.055	ppbv	97
7) Chloroethane	1.696	64	9205	2.101	ppbv	96
8) Dichlorotetrafluoroethane	1.547	85	51709	2.083	ppbv	98
9) Propene	1.479	41	25044	2.119	ppbv	93
10) Heptane	4.952	43	59306	2.038	ppbv	98
11) Trichlorofluoromethane	1.871	101	63315	2.034	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.130	101	50042	2.041	ppbv	100
13) Ethanol	1.716	45	1472	2.168	ppbv #	58
14) Bromoethene	1.774	108	18006	2.048	ppbv	98
15) Acetone	1.829	43	52918	2.103	ppbv	95
16) 1,3-Butadiene	1.602	39	21968	2.117	ppbv	96
17) tert-Butyl alcohol	2.030	59	51640	1.940	ppbv	98
18) 1,1-Dichloroethene	2.023	96	21932	2.040	ppbv	98
19) Isopropyl Alcohol	1.877	45	23979	1.989	ppbv #	80
20) Methylene Chloride	2.052	84	20728	1.887	ppbv	95
21) Allyl Chloride	2.085	41	33088	2.052	ppbv	98
22) trans-1,2-Dichloroethene	2.331	96	24306	1.992	ppbv	95
23) Vinyl Acetate	2.450	43	11081	2.074	ppbv #	92
24) 1,1-Dichloroethane	2.395	63	46548	2.012	ppbv	99
25) Ethyl Acetate	2.819	43	130995	2.075	ppbv	99
26) Hexane	2.813	57	50777	2.091	ppbv	96
27) Carbon Disulfide	2.140	76	56650	1.976	ppbv #	70
28) Methyl tert-Butyl Ether	2.428	73	31189	2.052	ppbv	99
29) Chloroform	2.832	83	83628	2.020	ppbv	99
30) Cyclohexane	3.836	84	41150	2.062	ppbv	96
31) cis-1,2-Dichloroethene	2.706	61	51609	2.067	ppbv	95
32) 1,1,1-Trichloroethane	3.350	97	81078	2.015	ppbv	99
34) 2-Butanone	2.544	43	75222	2.049	ppbv	100
35) Carbon Tetrachloride	3.739	117	83331	1.872	ppbv	98
36) Benzene	3.635	78	105052	2.032	ppbv	98
37) 1,2-Dichloroethane	3.201	62	61665	2.014	ppbv	100
38) Trichloroethene	4.519	130	43500	2.020	ppbv	98
39) 1,2-Dichloropropane	4.289	63	38286	1.998	ppbv	97
40) 1,4-Dioxane	4.564	88	16471m	2.002	ppbv	
41) Tetrahydrofuran	3.043	42	39501	2.082	ppbv	98
42) Bromodichloromethane	4.464	83	85622	1.981	ppbv	94
43) Methyl Methacrylate	4.852	69	33288	1.940	ppbv	96
44) 2,2,4-Trimethylpentane	4.609	57	171998	2.074	ppbv	99
45) t-1,3-Dichloropropene	6.383	75	30227	1.944	ppbv	99

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Manual Integrations
 APPROVED

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

Quant Time: Oct 03 08:02:17 2025

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

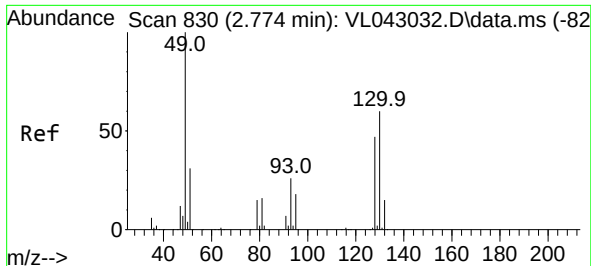
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Oct 03 07:59:23 2025

Response via : Initial Calibration

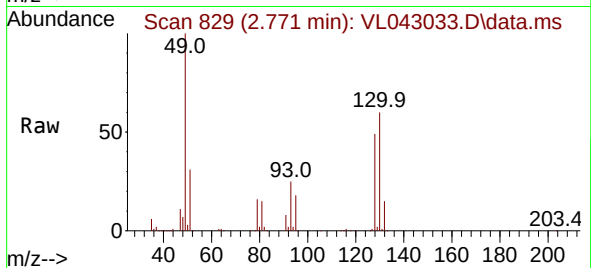
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.567	75	42818	1.938	ppbv	90
47) 1,1,2-Trichloroethane	6.548	97	42719	2.004	ppbv	93
48) Dibromochloromethane	7.357	129	69735	2.005	ppbv	100
49) Bromoform	9.461	173	58655	2.019	ppbv	99
50) 4-Methyl-2-Pentanone	5.719	43	88751	1.982	ppbv	100
51) 2-Hexanone	7.412	43	62520	1.969	ppbv #	96
52) Tetrachloroethene	8.202	164	38059	1.976	ppbv	97
53) Toluene	6.907	91	104582	2.004	ppbv	100
54) 1,2-Dibromoethane	7.629	107	50973	2.018	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.901	131	54924	2.013	ppbv	95
57) Chlorobenzene	8.901	112	97190	2.054	ppbv	99
58) Ethyl Benzene	9.335	91	143037	2.063	ppbv	97
59) m/p-Xylene	9.529	91	250936m	4.289	ppbv	
60) o-Xylene	9.946	91	124006	2.128	ppbv	98
61) Styrene	9.849	104	46782	1.917	ppbv	98
62) Isopropylbenzene	10.523	105	186358	2.084	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.943	83	84916	2.022	ppbv	99
64) n-propylbenzene	10.972	120	48346	2.113	ppbv	90
65) tert-Butylbenzene	11.516	119	172968	2.173	ppbv	99
66) Benzyl Chloride	11.597	91	5886	1.908	ppbv	99
67) sec-Butylbenzene	11.752	105	245463	2.210	ppbv	99
69) p-Isopropyltoluene	11.911	119	200038	2.214	ppbv	99
70) n-Butylbenzene	12.267	91	192286	2.210	ppbv	98
71) 2-Chlorotoluene	10.885	91	136276	2.105	ppbv	99
72) 4-Ethyltoluene	11.108	105	147421	2.126	ppbv	99
73) 1,3,5-Trimethylbenzene	11.186	105	127419	2.124	ppbv	94
74) 1,2,4-Trimethylbenzene	11.519	105	150033	2.216	ppbv	98
75) 1,3-Dichlorobenzene	11.591	146	92272	2.095	ppbv	99
76) 1,4-Dichlorobenzene	11.655	146	88602	2.110	ppbv	99
77) 1,2-Dichlorobenzene	11.930	146	92779	2.115	ppbv	99
78) Hexachloro-1,3-Butadiene	13.866	225	65408	2.140	ppbv	99
79) Naphthalene	13.500	128	99793	2.006	ppbv	97
80) Naphthalene,2-methyl-	14.445	142	24913	1.530	ppbv	92
81) 1,2,4-Trichlorobenzene	13.426	180	56312	2.158	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.771 min Scan# 830
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

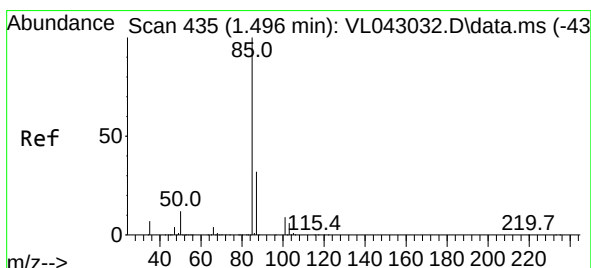
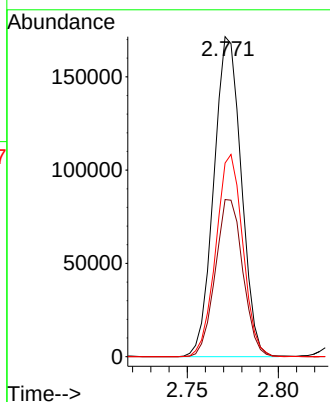
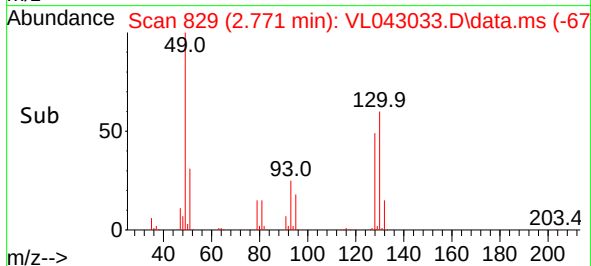
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 49 Resp: 179740
Ion Ratio Lower Upper
49 100
128 49.3 24.1 72.2
130 62.1 31.4 94.3

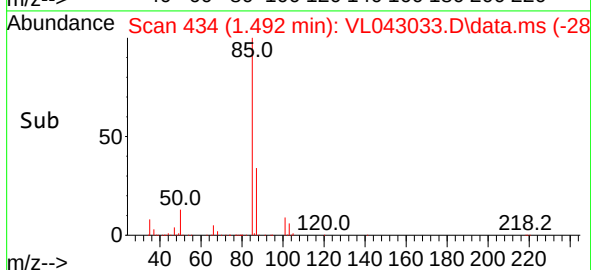
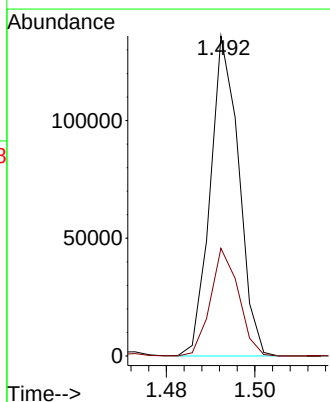
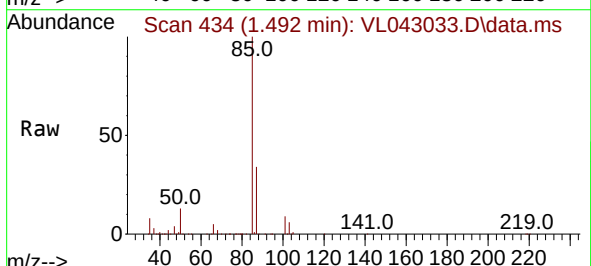
Manual Integrations
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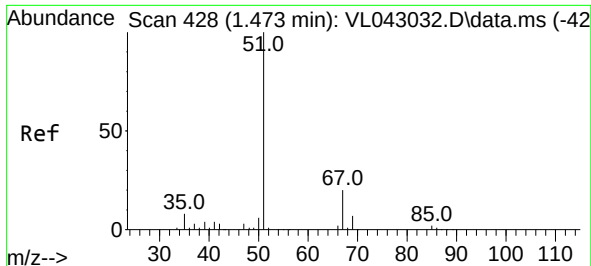
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#2
Dichlorodifluoromethane
Concen: 2.016 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

Tgt Ion: 85 Resp: 61057
Ion Ratio Lower Upper
85 100
87 33.7 25.8 38.6





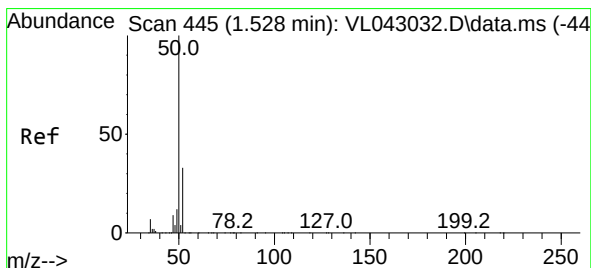
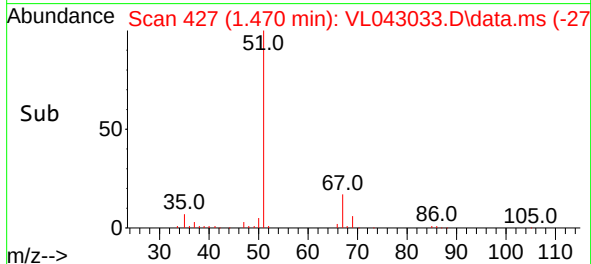
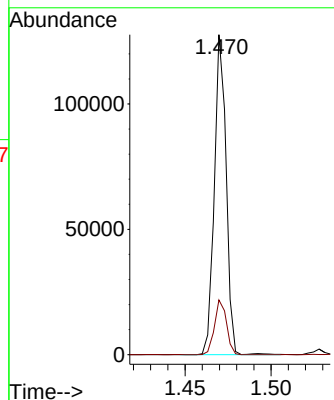
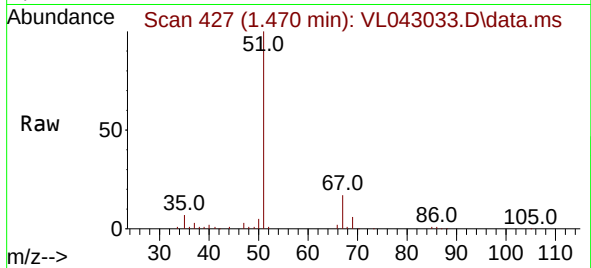
#3
Chlorodifluoromethane
Concen: 2.066 ppbv
RT: 1.470 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 60544
Ion Ratio Lower Upper
51 100
67 17.4 15.1 22.7

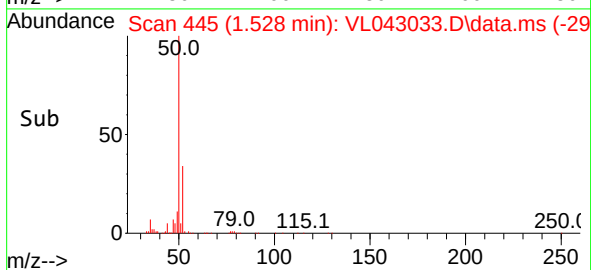
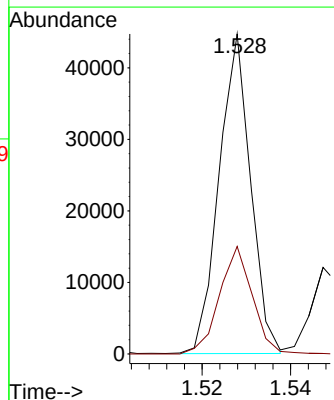
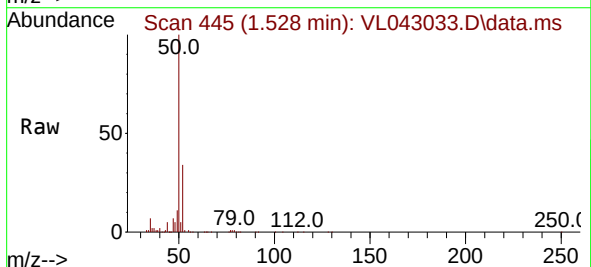
Manual Integrations
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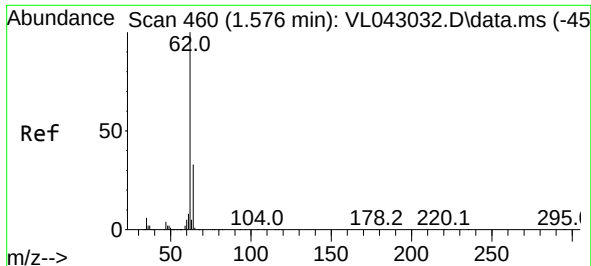
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#4
Chloromethane
Concen: 1.995 ppbv
RT: 1.528 min Scan# 445
Delta R.T. 0.000 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

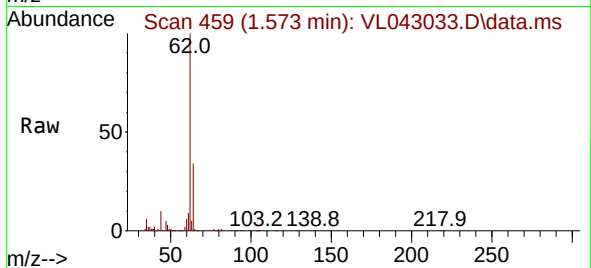
Tgt Ion: 50 Resp: 22071
Ion Ratio Lower Upper
50 100
52 33.7 26.2 39.2





#5
 Vinyl Chloride
 Concen: 1.932 ppbv
 RT: 1.573 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL043033.D
 Acq: 02 Oct 2025 10:57

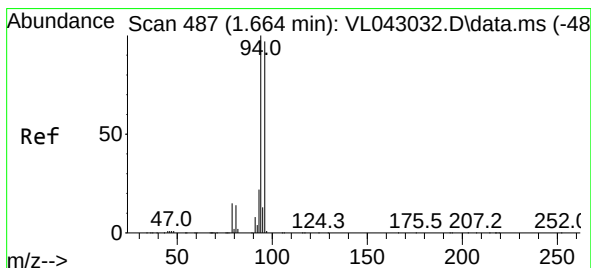
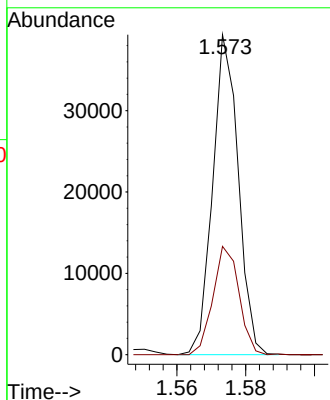
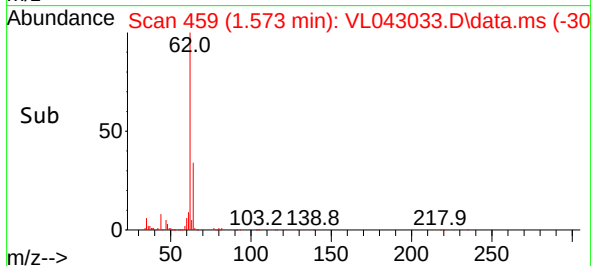
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



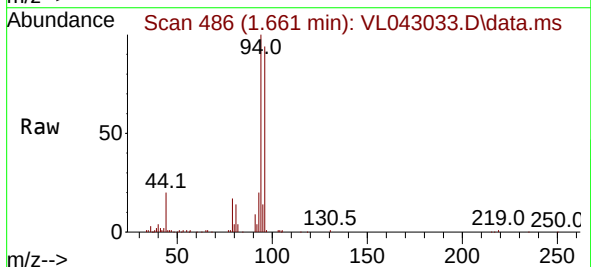
Tgt Ion: 62 Resp: 20280
 Ion Ratio Lower Upper
 62 100
 64 33.9 26.2 39.2

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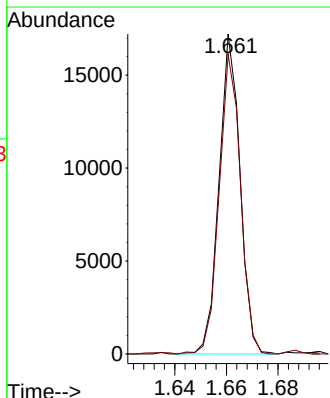
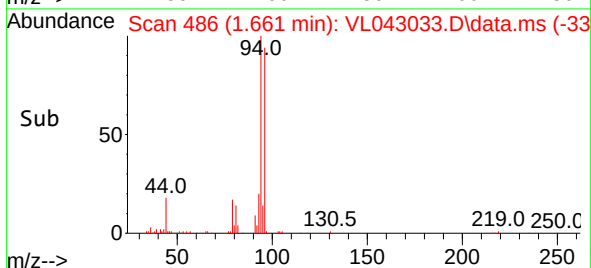
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

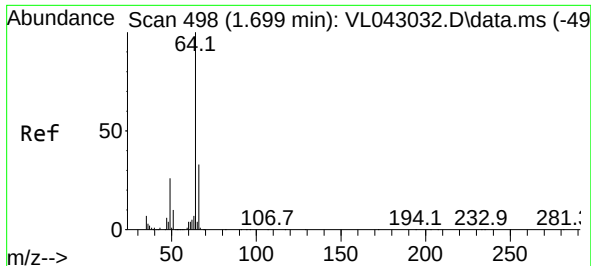


#6
 Bromomethane
 Concen: 2.055 ppbv
 RT: 1.661 min Scan# 486
 Delta R.T. -0.003 min
 Lab File: VL043033.D
 Acq: 02 Oct 2025 10:57



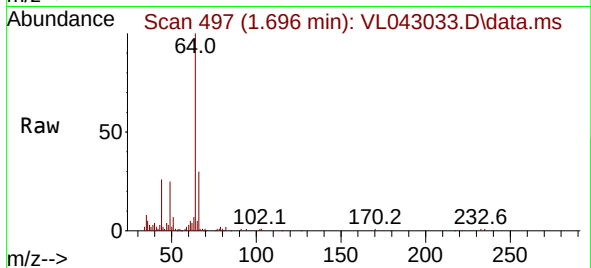
Tgt Ion: 94 Resp: 9696
 Ion Ratio Lower Upper
 94 100
 96 93.6 77.6 116.4





#7
Chloroethane
Concen: 2.101 ppbv
RT: 1.696 min Scan# 498
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

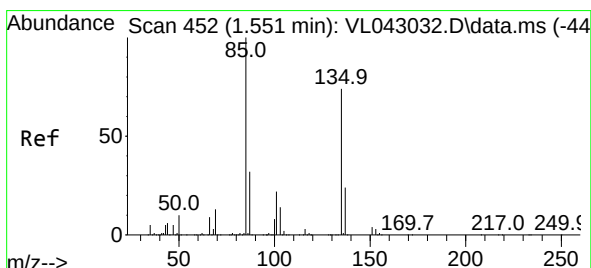
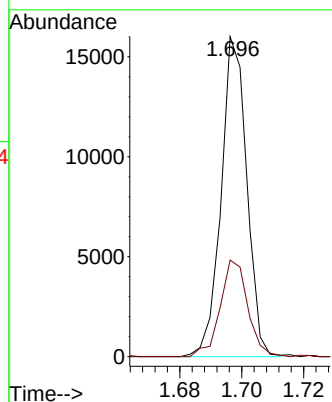
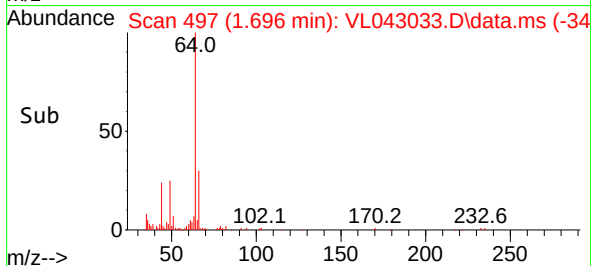
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 64 Resp: 920
Ion Ratio Lower Upper
64 100
66 31.0 26.6 39.8

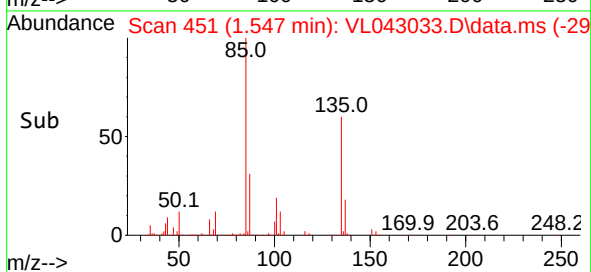
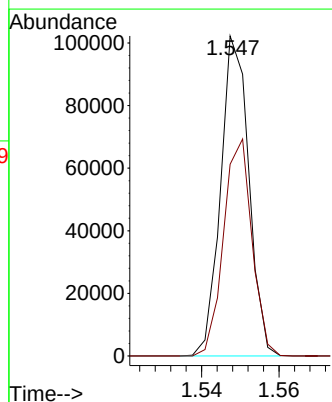
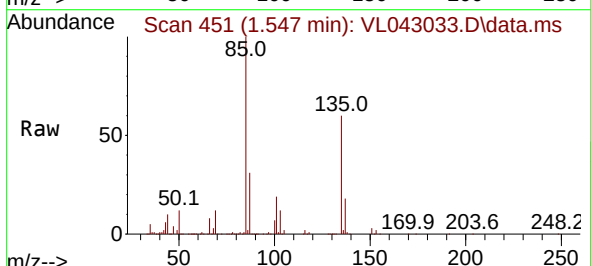
Manual Integrations
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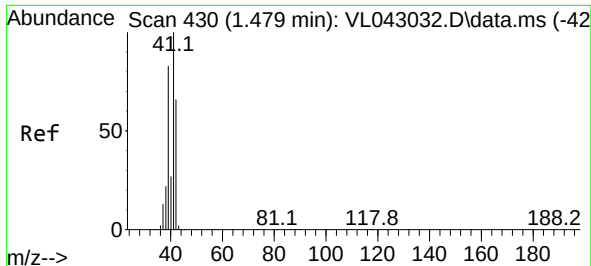
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#8
Dichlorotetrafluoroethane
Concen: 2.083 ppbv
RT: 1.547 min Scan# 451
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

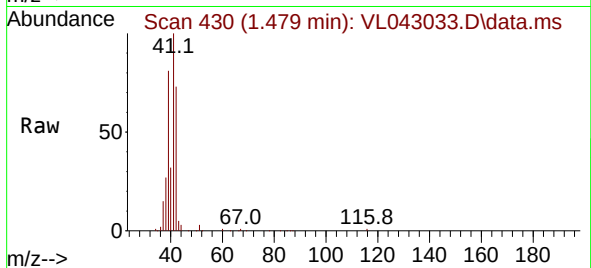
Tgt Ion: 85 Resp: 51709
Ion Ratio Lower Upper
85 100
135 68.4 56.3 84.5





#9
 Propene
 Concen: 2.119 ppbv
 RT: 1.479 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL043033.D
 Acq: 02 Oct 2025 10:57

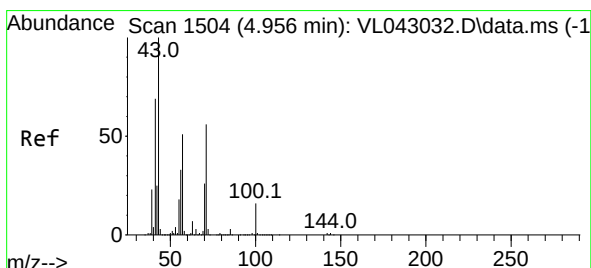
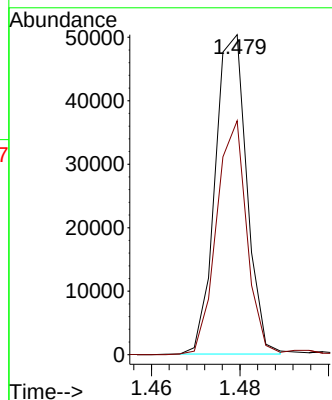
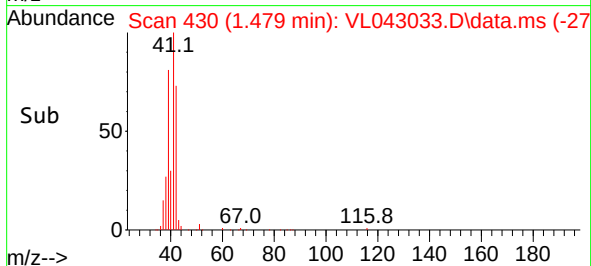
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002



Tgt Ion: 41 Resp: 2504
 Ion Ratio Lower Upper
 41 100
 42 71.8 53.3 79.9

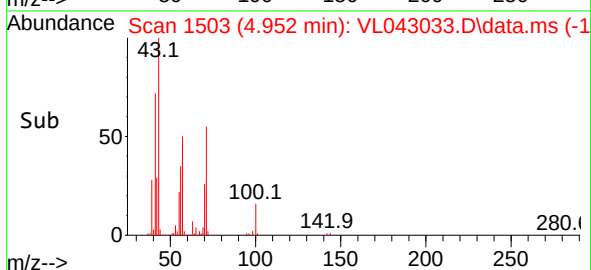
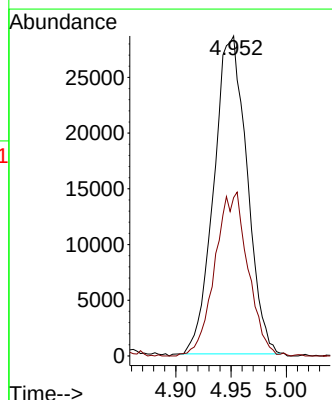
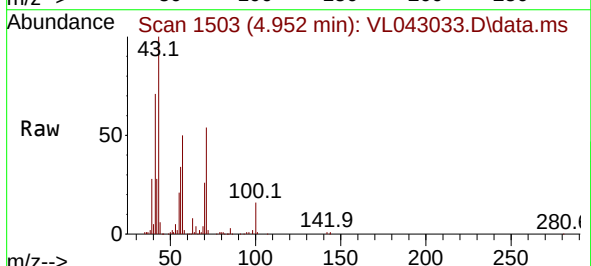
Manual Integrations
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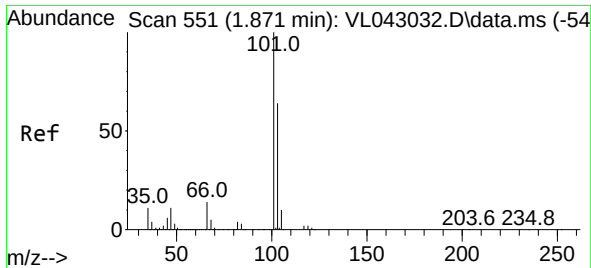
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#10
 Heptane
 Concen: 2.038 ppbv
 RT: 4.952 min Scan# 1503
 Delta R.T. -0.003 min
 Lab File: VL043033.D
 Acq: 02 Oct 2025 10:57

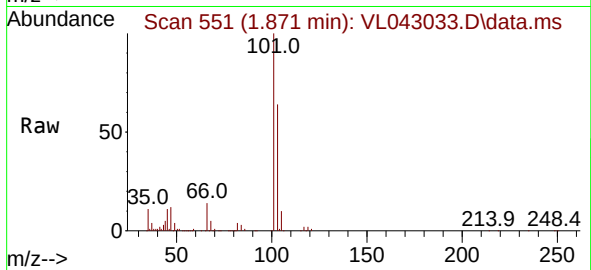
Tgt Ion: 43 Resp: 59306
 Ion Ratio Lower Upper
 43 100
 57 51.8 40.3 60.5





#11
 Trichlorofluoromethane
 Concen: 2.034 ppbv
 RT: 1.871 min Scan# 551
 Delta R.T. 0.000 min
 Lab File: VL043033.D
 Acq: 02 Oct 2025 10:57

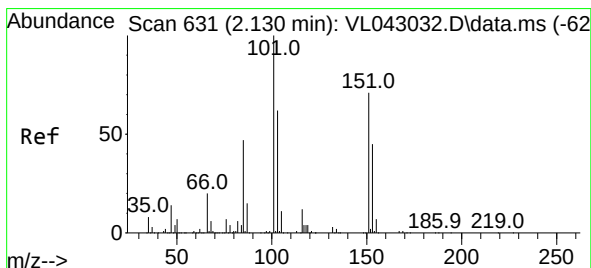
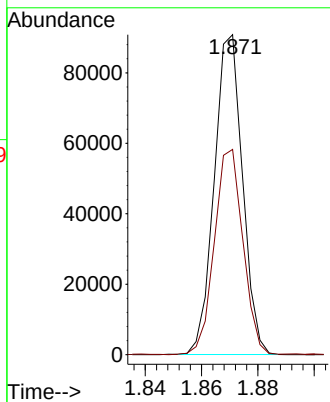
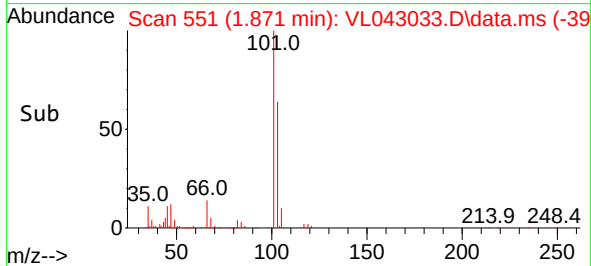
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002



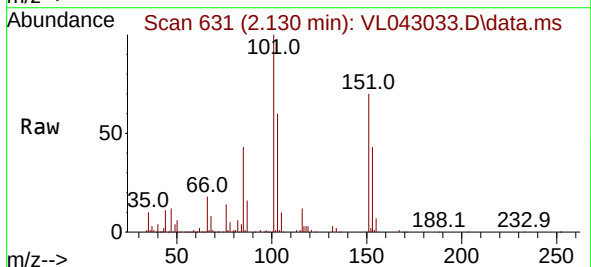
Tgt Ion:101 Resp: 63315
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.1 76.7

Manual Integrations
 APPROVED

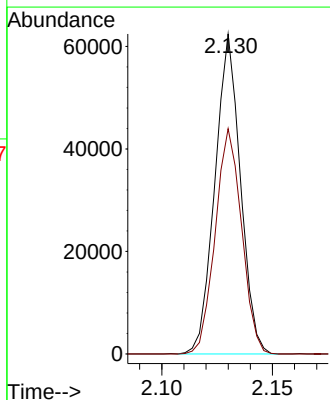
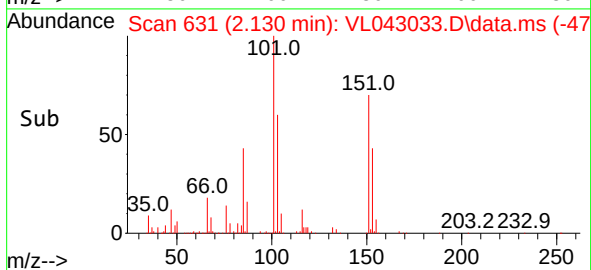
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

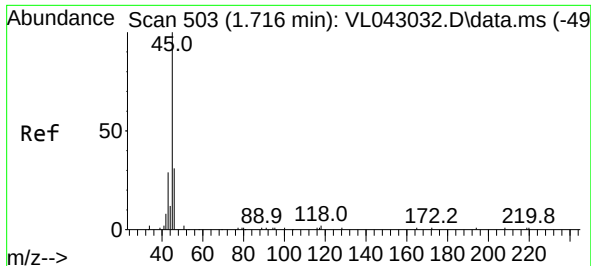


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.041 ppbv
 RT: 2.130 min Scan# 631
 Delta R.T. 0.000 min
 Lab File: VL043033.D
 Acq: 02 Oct 2025 10:57



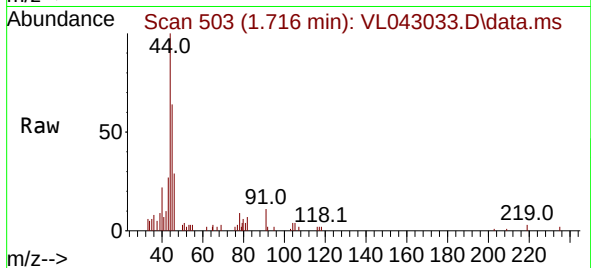
Tgt Ion:101 Resp: 50042
 Ion Ratio Lower Upper
 101 100
 151 72.7 58.1 87.1





#13
Ethanol
Concen: 2.168 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

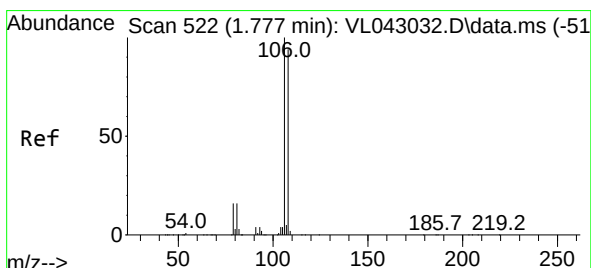
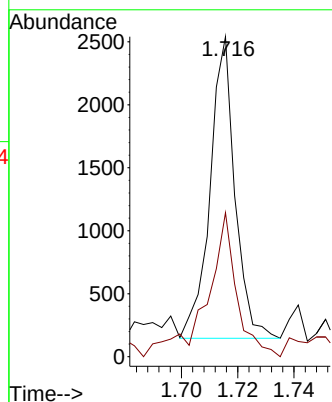
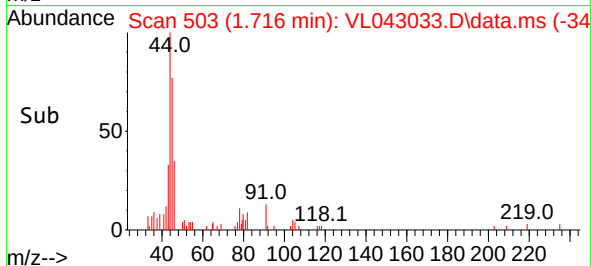
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



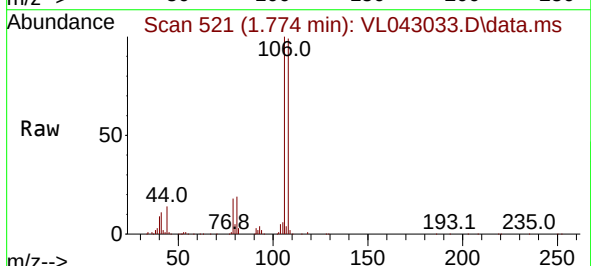
Tgt Ion: 45 Resp: 1472
Ion Ratio Lower Upper
45 100
46 72.1 17.8 71.4

Manual Integrations
APPROVED

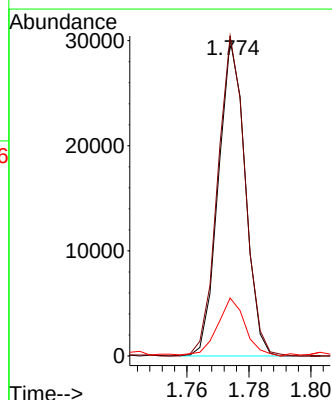
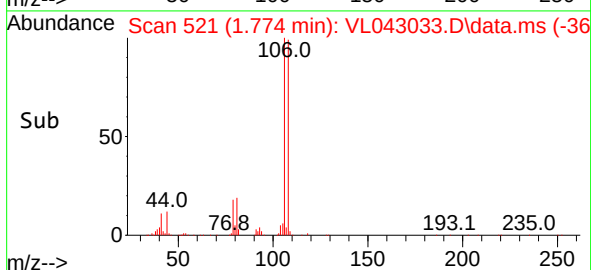
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

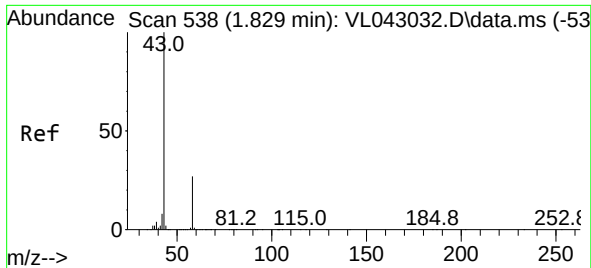


#14
Bromoethene
Concen: 2.048 ppbv
RT: 1.774 min Scan# 521
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57



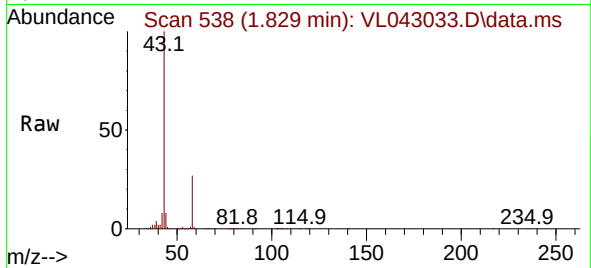
Tgt Ion:108 Resp: 18006
Ion Ratio Lower Upper
108 100
106 104.1 85.2 127.8
79 20.0 14.8 22.2





#15
Acetone
Concen: 2.103 ppbv
RT: 1.829 min Scan# 538
Delta R.T. -0.000 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

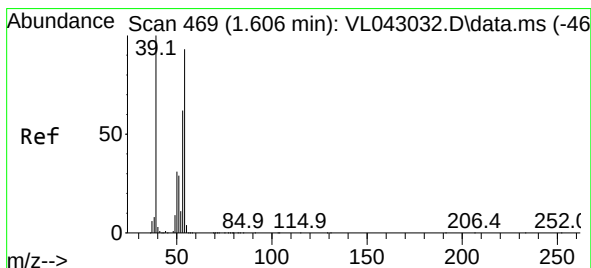
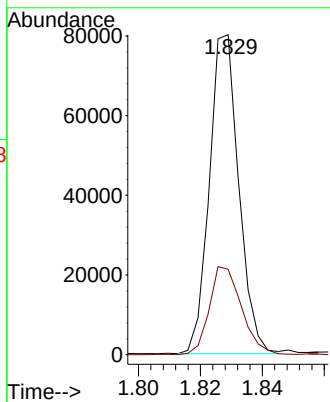
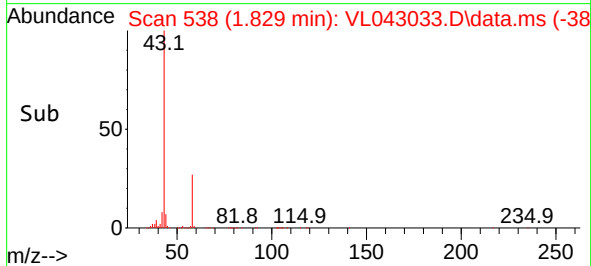
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



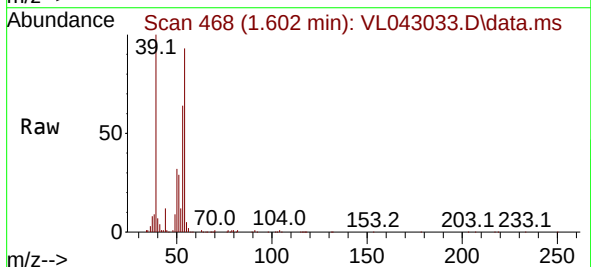
Tgt Ion: 43 Resp: 52918
Ion Ratio Lower Upper
43 100
58 30.4 22.2 33.4

Manual Integrations
APPROVED

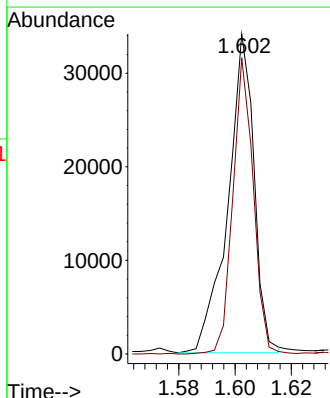
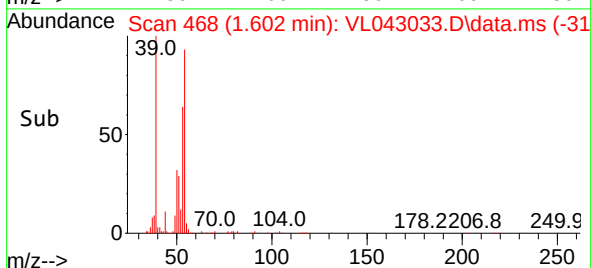
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

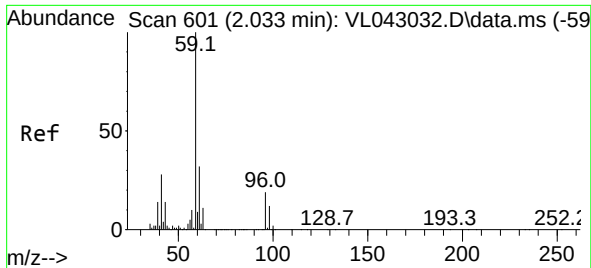


#16
1,3-Butadiene
Concen: 2.117 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57



Tgt Ion: 39 Resp: 21968
Ion Ratio Lower Upper
39 100
54 73.2 61.4 92.2





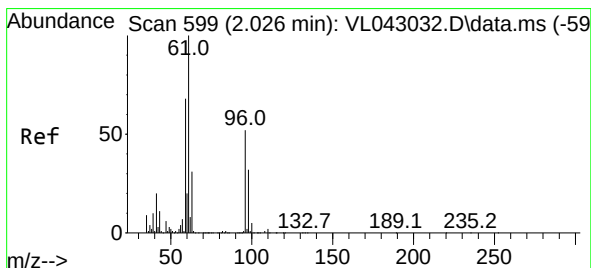
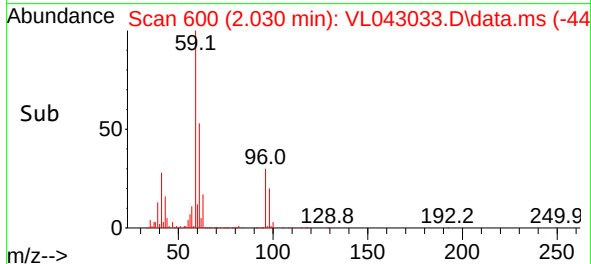
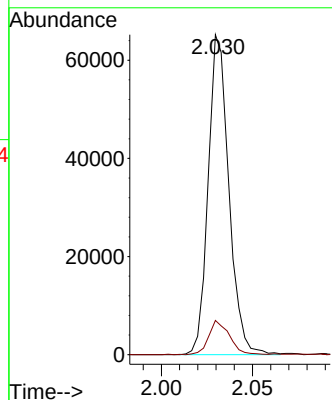
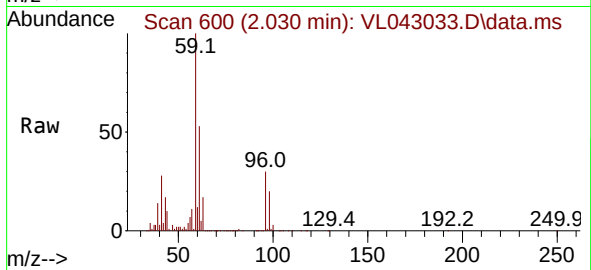
#17
tert-Butyl alcohol
Concen: 1.940 ppbv
RT: 2.030 min Scan# 601
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 59 Resp: 51640
Ion Ratio Lower Upper
59 100
57 11.2 8.5 12.7

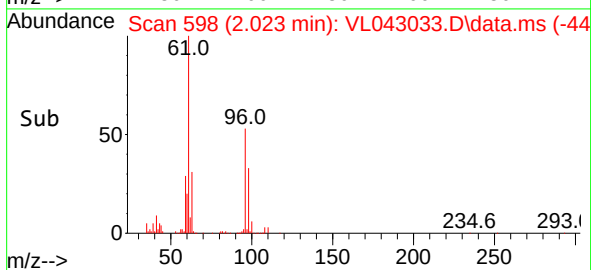
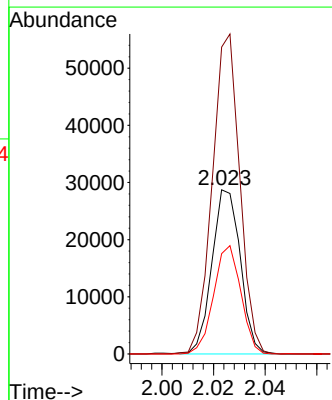
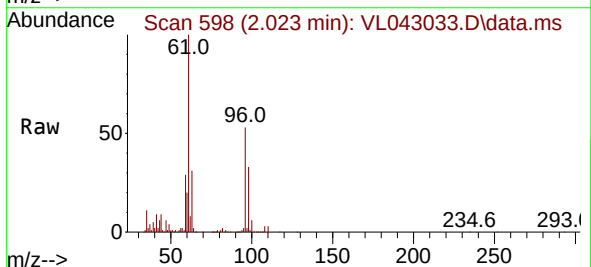
Manual Integrations
APPROVED

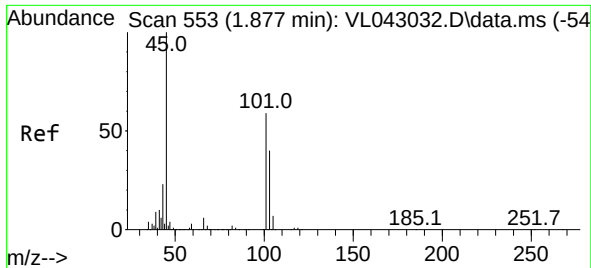
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#18
1,1-Dichloroethene
Concen: 2.040 ppbv
RT: 2.023 min Scan# 598
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

Tgt Ion: 96 Resp: 21932
Ion Ratio Lower Upper
96 100
61 187.0 153.0 229.6
98 61.1 48.8 73.2





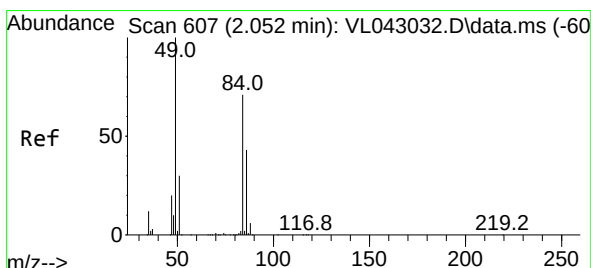
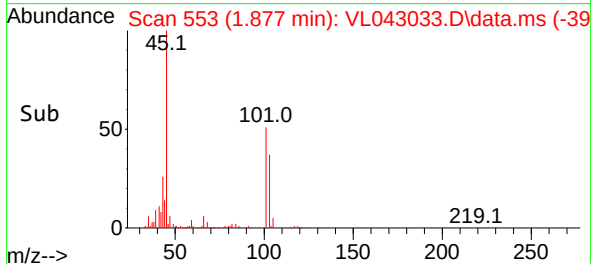
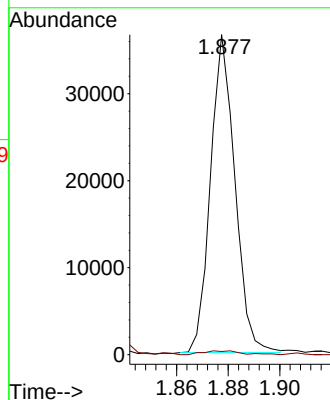
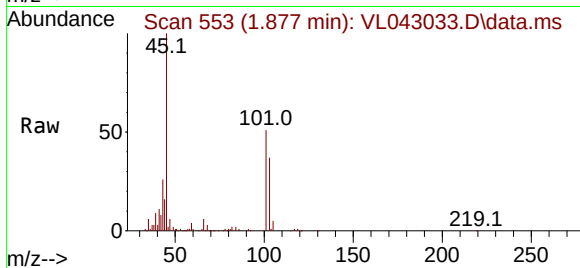
#19
Isopropyl Alcohol
Concen: 1.989 ppbv
RT: 1.877 min Scan# 553
Delta R.T. -0.000 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 23979
Ion Ratio Lower Upper
45 100
58 67.0 42.3 63.5

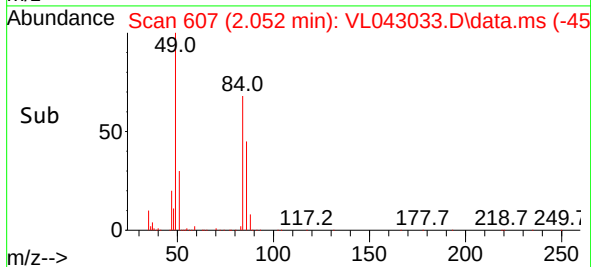
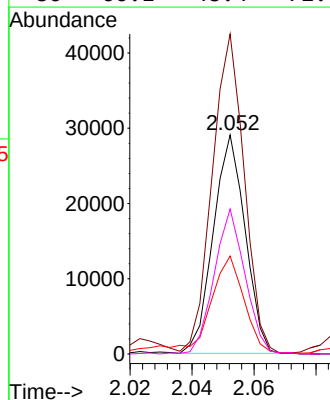
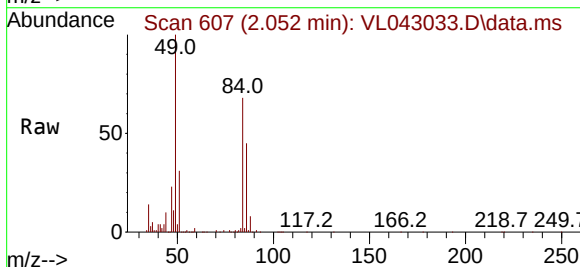
Manual Integrations
APPROVED

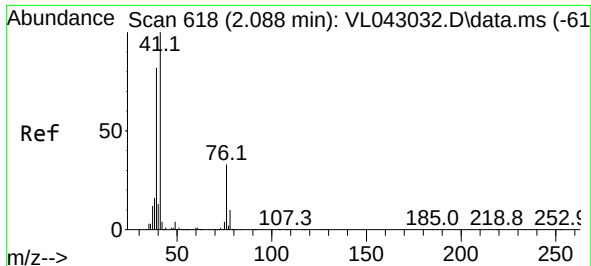
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Methylene Chloride
Concen: 1.887 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.000 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

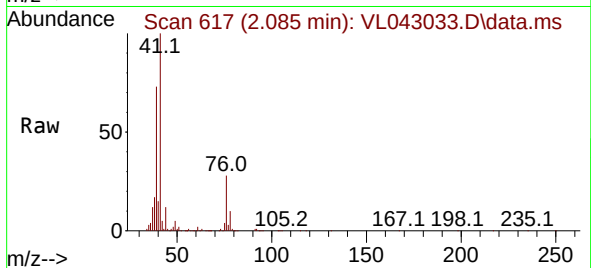
Tgt Ion: 84 Resp: 20728
Ion Ratio Lower Upper
84 100
49 146.3 112.5 168.7
51 44.3 34.2 51.2
86 66.1 48.4 72.6





#21
 Allyl Chloride
 Concen: 2.052 ppbv
 RT: 2.085 min Scan# 618
 Delta R.T. -0.003 min
 Lab File: VL043033.D
 Acq: 02 Oct 2025 10:57

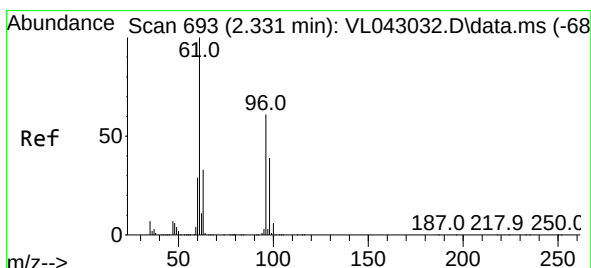
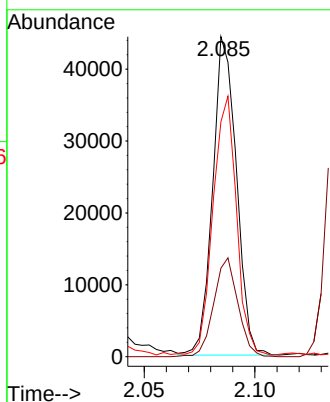
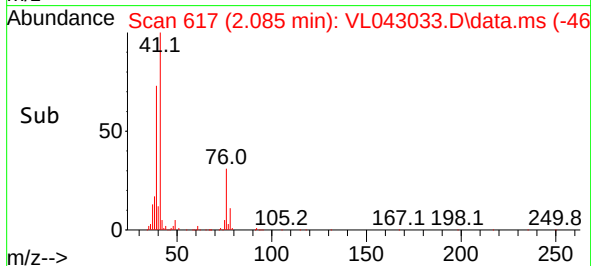
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002



Tgt Ion: 41 Resp: 3308
 Ion Ratio Lower Upper
 41 100
 76 31.5 25.9 38.9
 39 80.4 63.0 94.4

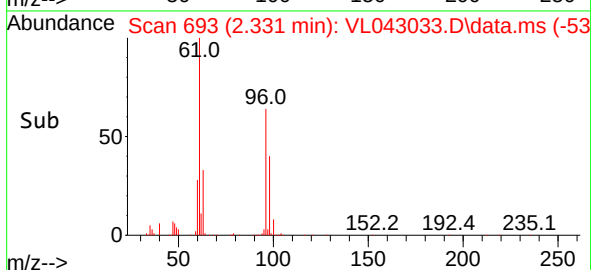
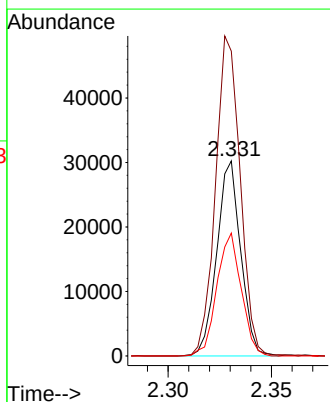
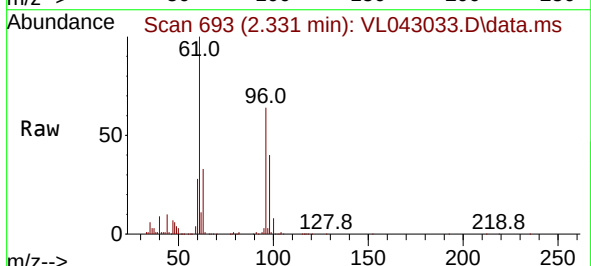
Manual Integrations
 APPROVED

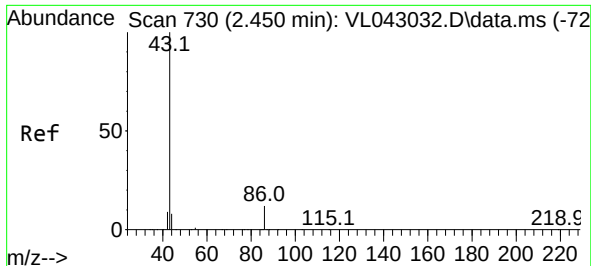
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#22
 trans-1,2-Dichloroethene
 Concen: 1.992 ppbv
 RT: 2.331 min Scan# 693
 Delta R.T. 0.000 min
 Lab File: VL043033.D
 Acq: 02 Oct 2025 10:57

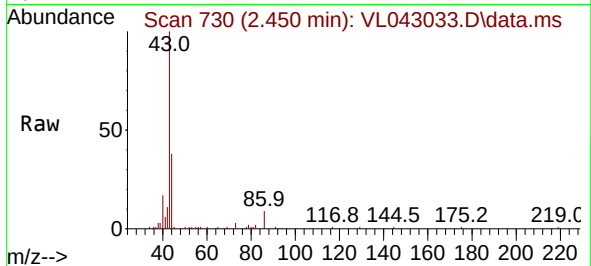
Tgt Ion: 96 Resp: 24306
 Ion Ratio Lower Upper
 96 100
 61 156.2 131.9 197.9
 98 63.0 52.1 78.1





#23
 Vinyl Acetate
 Concen: 2.074 ppbv
 RT: 2.450 min Scan# 713
 Delta R.T. -0.000 min
 Lab File: VL043033.D
 Acq: 02 Oct 2025 10:57

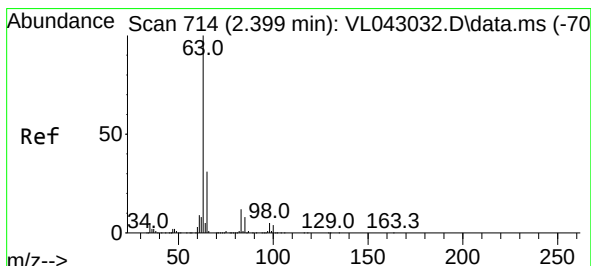
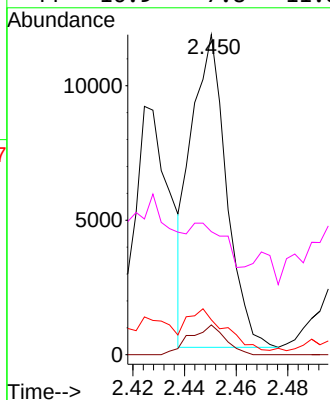
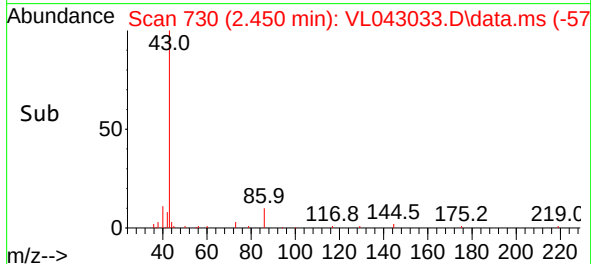
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion: 43 Resp: 1108
 Ion Ratio Lower Upper
 43 100
 86 9.5 7.5 11.3
 42 9.1 8.4 12.6
 44 16.9 7.8 11.8#

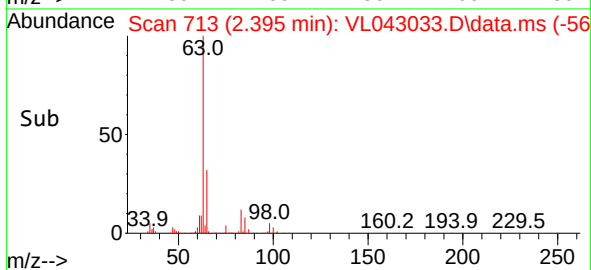
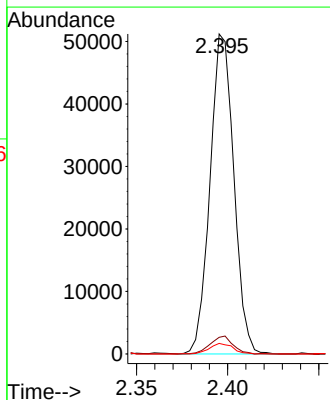
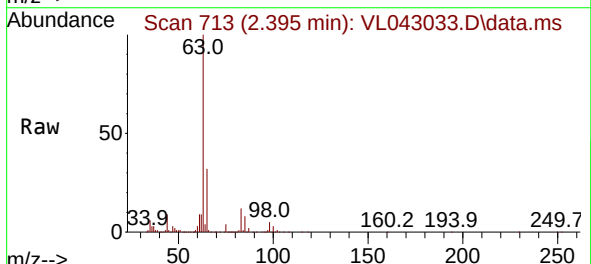
Manual Integrations
 APPROVED

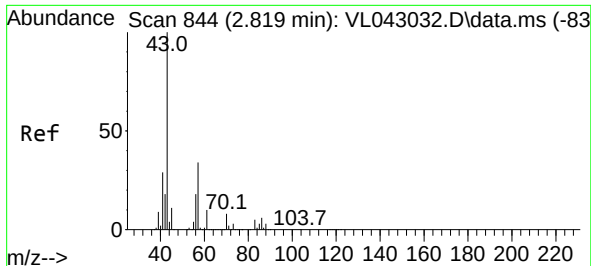
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#24
 1,1-Dichloroethane
 Concen: 2.012 ppbv
 RT: 2.395 min Scan# 713
 Delta R.T. -0.003 min
 Lab File: VL043033.D
 Acq: 02 Oct 2025 10:57

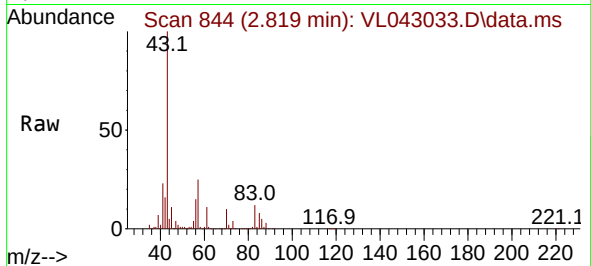
Tgt Ion: 63 Resp: 46548
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.5 7.4
 100 3.3 1.8 5.4





#25
Ethyl Acetate
Concen: 2.075 ppbv
RT: 2.819 min Scan# 844
Delta R.T. 0.000 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

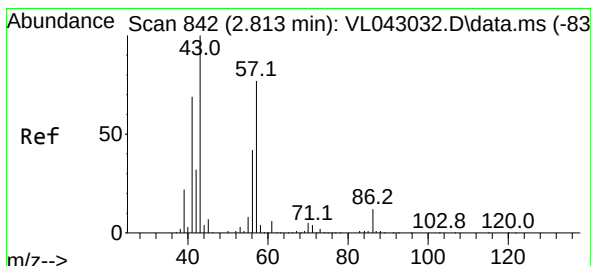
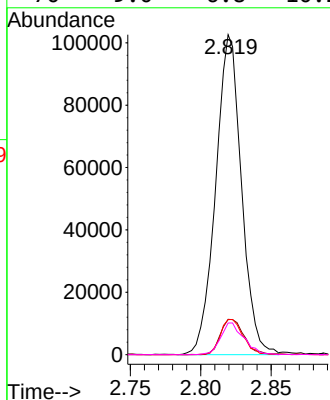
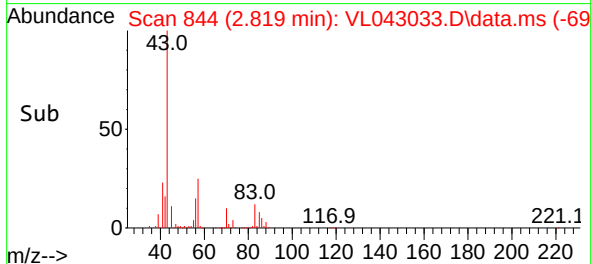
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 43 Resp: 13099
Ion Ratio Lower Upper
43 100
45 10.3 8.3 12.5
61 9.8 7.5 11.3
70 9.0 6.8 10.2

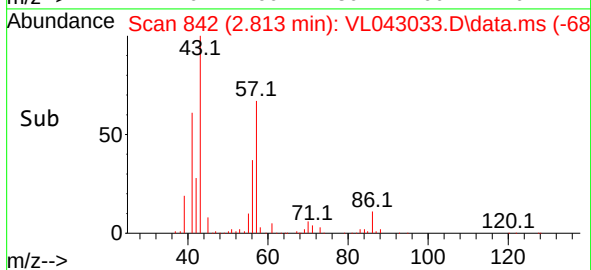
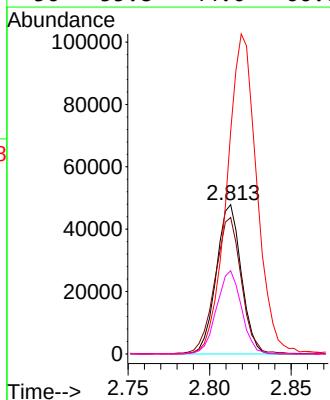
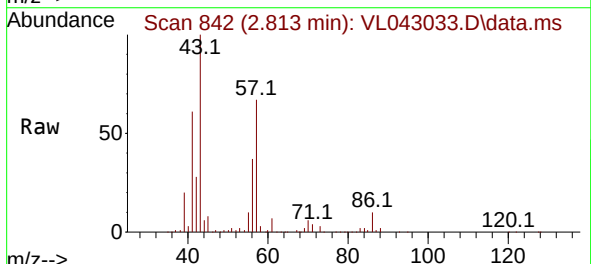
Manual Integrations
APPROVED

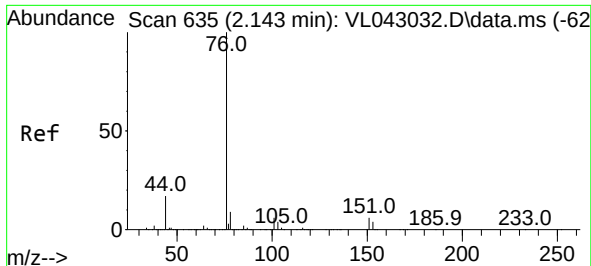
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#26
Hexane
Concen: 2.091 ppbv
RT: 2.813 min Scan# 842
Delta R.T. 0.000 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

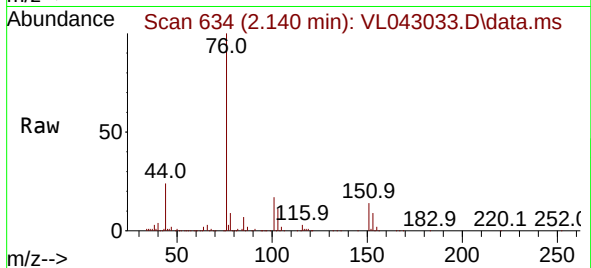
Tgt Ion: 57 Resp: 50777
Ion Ratio Lower Upper
57 100
41 98.7 76.1 114.1
43 258.9 201.4 302.0
56 55.8 44.0 66.0





#27
Carbon Disulfide
Concen: 1.976 ppbv
RT: 2.140 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

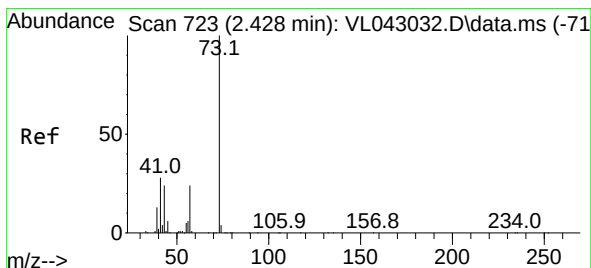
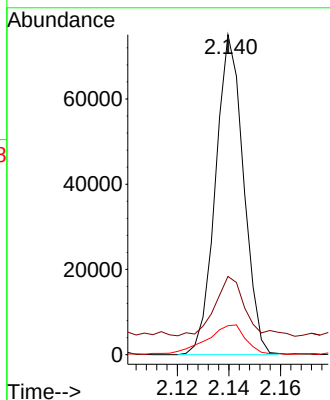
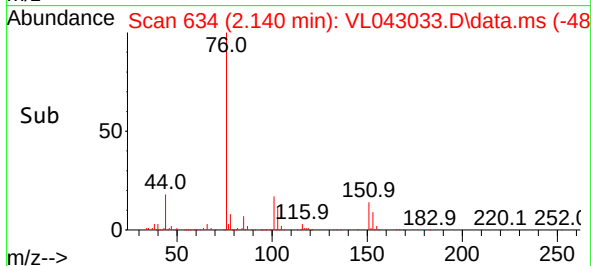
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002



Tgt Ion: 76 Resp: 56650
Ion Ratio Lower Upper
76 100
44 38.3 14.0 21.0
78 12.8 9.4 14.0

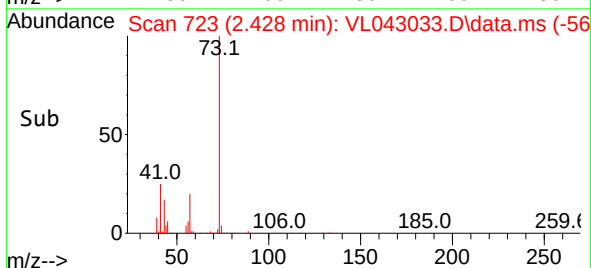
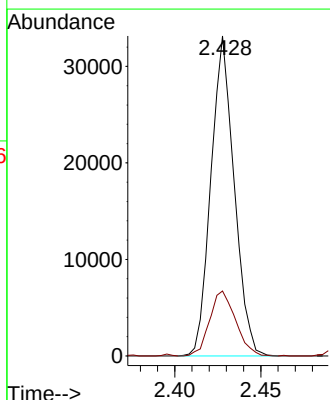
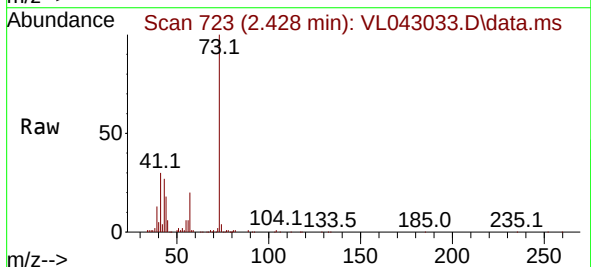
Manual Integrations
APPROVED

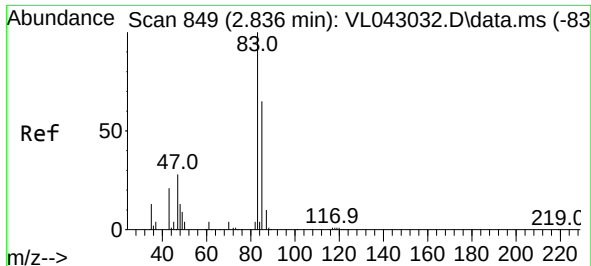
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#28
Methyl tert-Butyl Ether
Concen: 2.052 ppbv
RT: 2.428 min Scan# 723
Delta R.T. 0.000 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

Tgt Ion: 73 Resp: 31189
Ion Ratio Lower Upper
73 100
57 22.8 17.8 26.8





#29

Chloroform

Concen: 2.020 ppbv

RT: 2.832 min Scan# 84

Delta R.T. -0.003 min

Lab File: VL043033.D

Acq: 02 Oct 2025 10:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 83 Resp: 83628

Ion Ratio Lower Upper

83 100

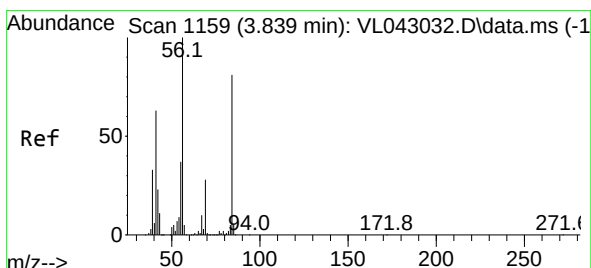
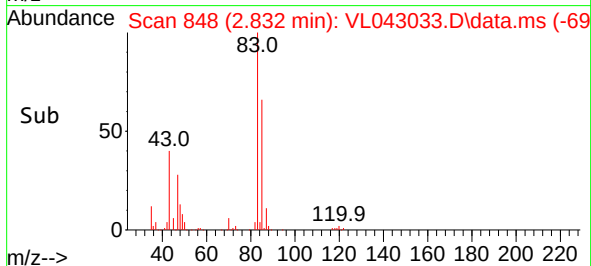
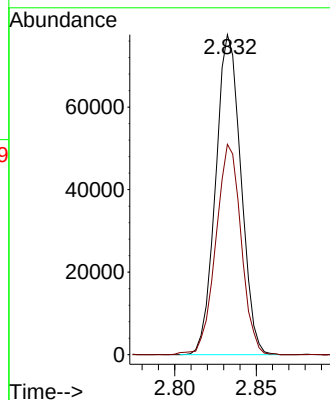
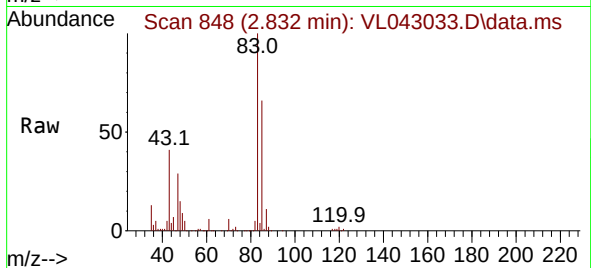
85 65.8 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025

Supervised By :Mahesh Dadoda 10/10/2025



#30

Cyclohexane

Concen: 2.062 ppbv

RT: 3.836 min Scan# 1158

Delta R.T. -0.003 min

Lab File: VL043033.D

Acq: 02 Oct 2025 10:57

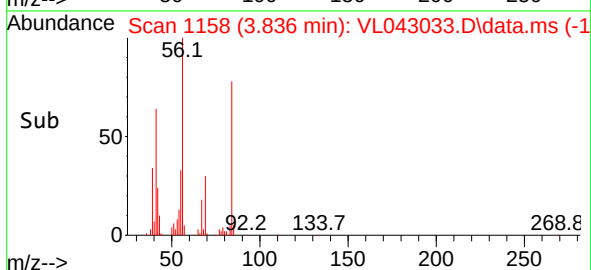
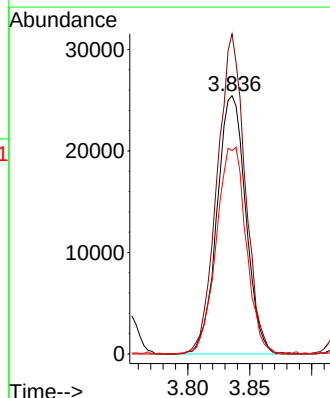
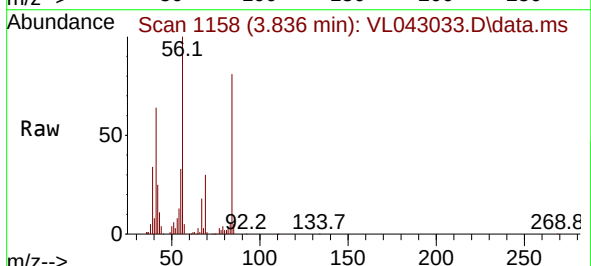
Tgt Ion: 84 Resp: 41150

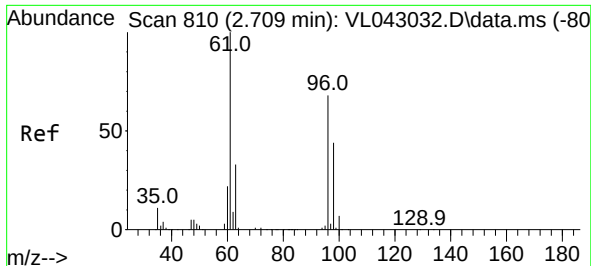
Ion Ratio Lower Upper

84 100

56 120.2 99.9 149.9

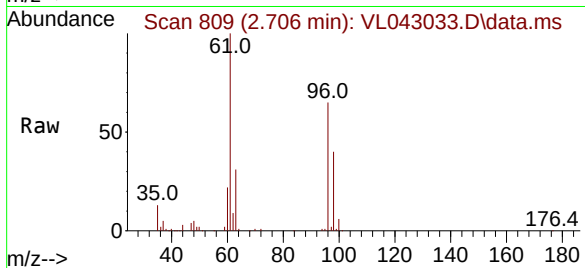
41 83.0 64.2 96.4





#31
 cis-1,2-Dichloroethene
 Concen: 2.067 ppbv
 RT: 2.706 min Scan# 810
 Delta R.T. -0.003 min
 Lab File: VL043033.D
 Acq: 02 Oct 2025 10:57

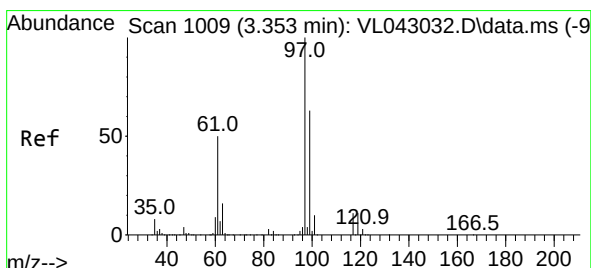
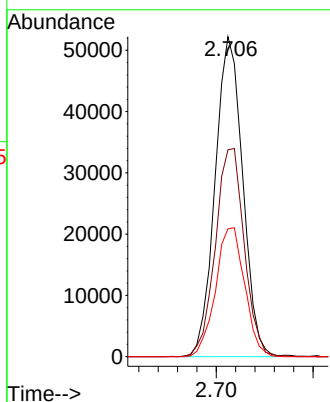
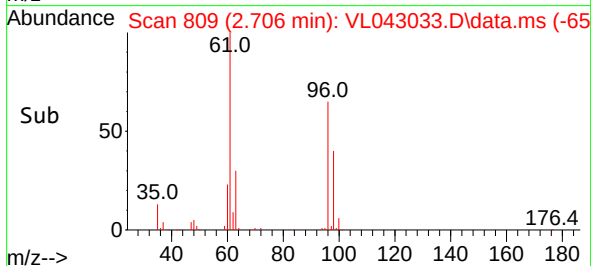
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002



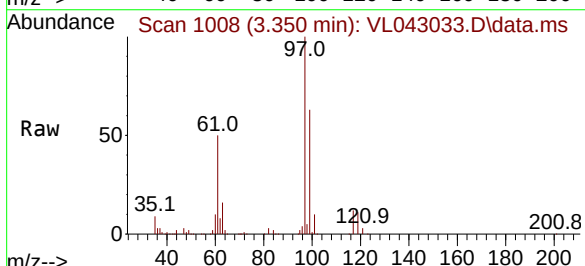
Tgt Ion: 61 Resp: 51609
 Ion Ratio Lower Upper
 61 100
 96 64.7 54.6 82.0
 98 39.9 34.8 52.2

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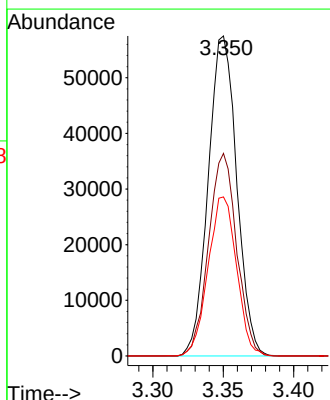
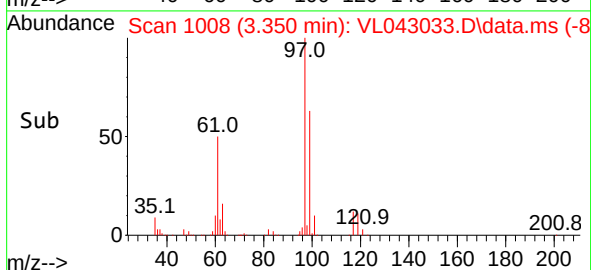
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

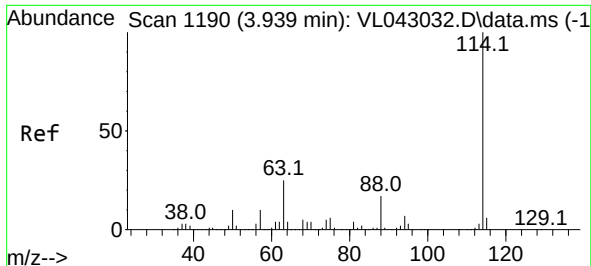


#32
 1,1,1-Trichloroethane
 Concen: 2.015 ppbv
 RT: 3.350 min Scan# 1008
 Delta R.T. -0.003 min
 Lab File: VL043033.D
 Acq: 02 Oct 2025 10:57



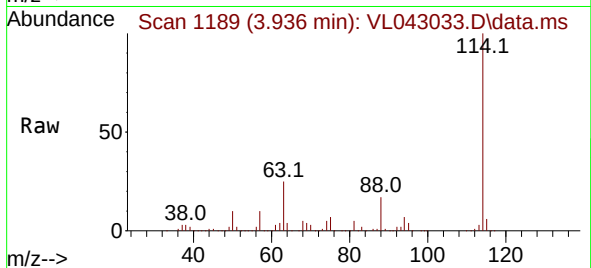
Tgt Ion: 97 Resp: 81078
 Ion Ratio Lower Upper
 97 100
 99 62.4 51.2 76.8
 61 49.6 40.1 60.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.936 min Scan# 1189
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

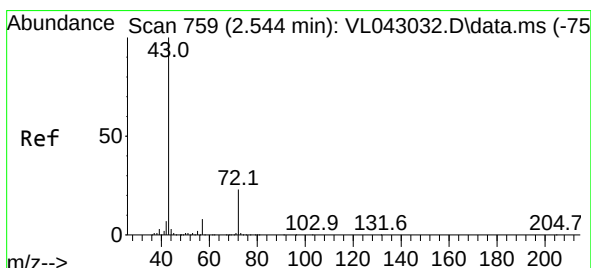
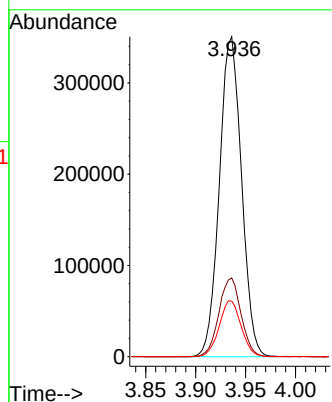
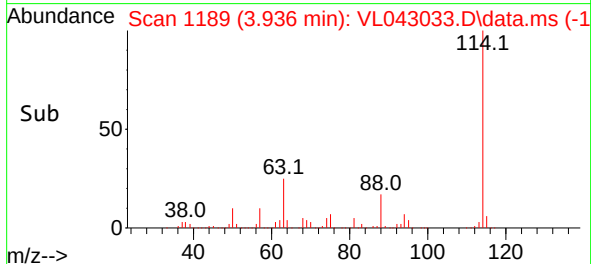
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion:114 Resp: 541054
Ion Ratio Lower Upper
114 100
63 24.6 19.4 29.2
88 17.3 13.9 20.9

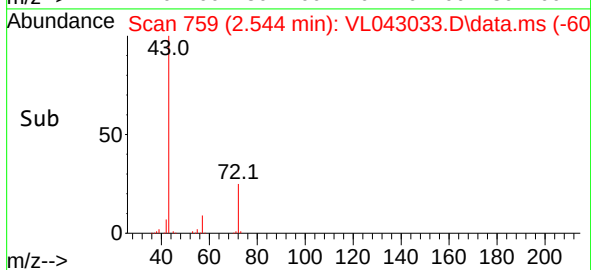
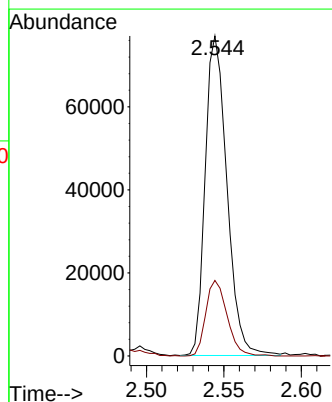
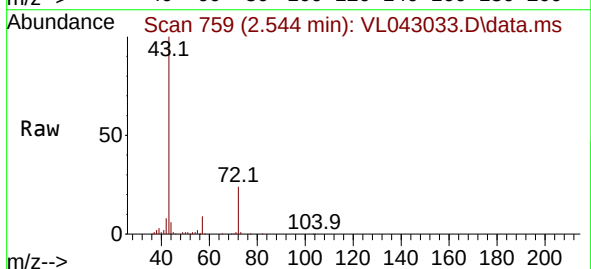
Manual Integrations
APPROVED

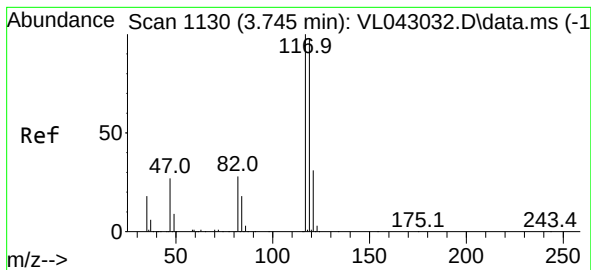
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#34
2-Butanone
Concen: 2.049 ppbv
RT: 2.544 min Scan# 759
Delta R.T. 0.000 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

Tgt Ion: 43 Resp: 75222
Ion Ratio Lower Upper
43 100
72 23.2 18.4 27.6





#35

Carbon Tetrachloride

Concen: 1.872 ppbv

RT: 3.739 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VL043033.D

Acq: 02 Oct 2025 10:57

Instrument :

MSVOA_L

ClientSampleId :

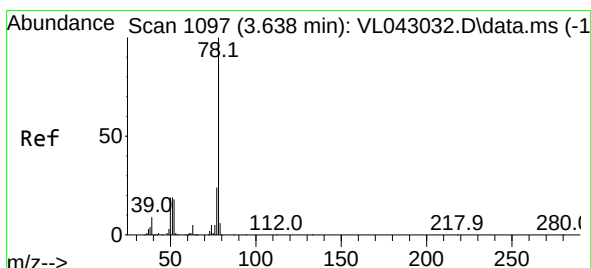
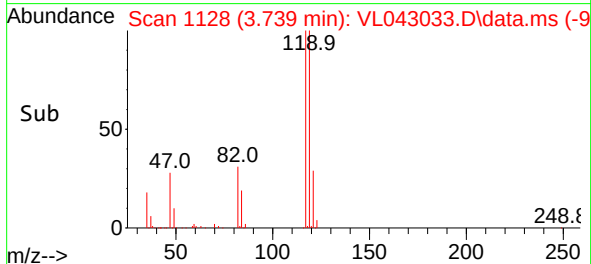
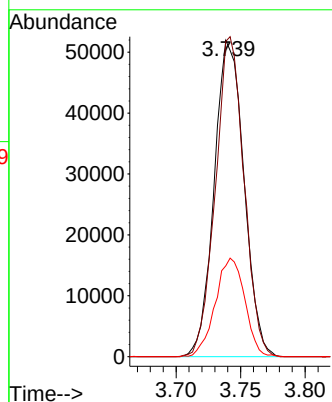
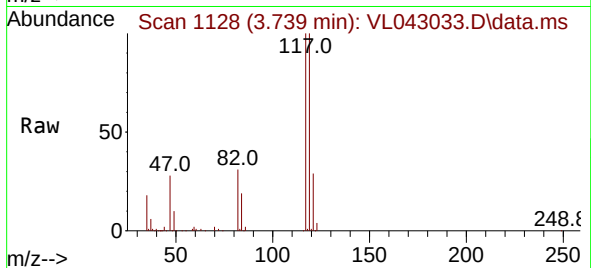
VSTDIC002

Tgt Ion:117	Resp:	8333
Ion Ratio	Lower	Upper
117	100	
119	99.6	78.2 117.4
121	28.7	24.8 37.2

Manual Integrations

APPROVED

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



#36

Benzene

Concen: 2.032 ppbv

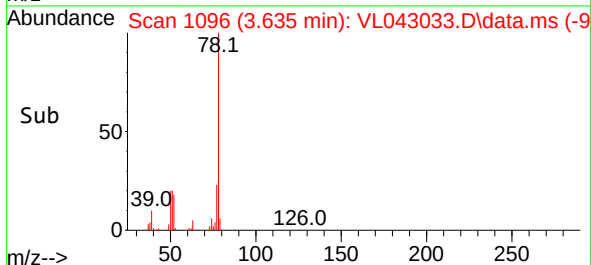
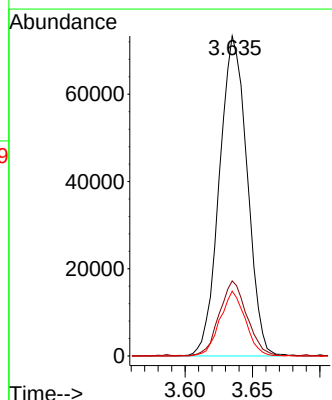
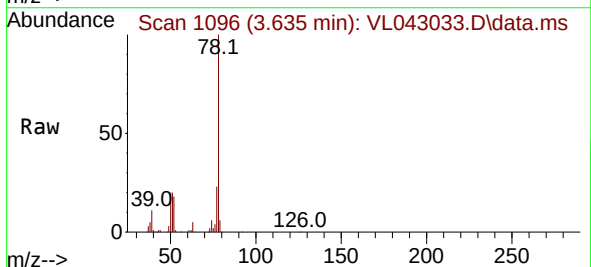
RT: 3.635 min Scan# 1096

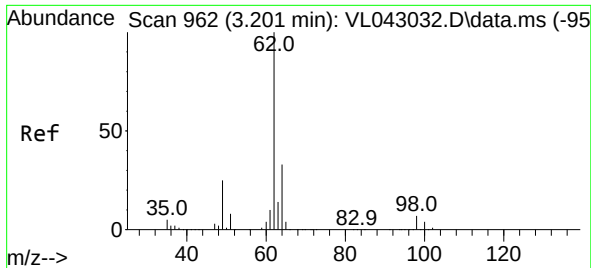
Delta R.T. -0.003 min

Lab File: VL043033.D

Acq: 02 Oct 2025 10:57

Tgt Ion: 78	Resp:	105052
Ion Ratio	Lower	Upper
78	100	
77	23.3	19.2 28.8
50	20.3	14.9 22.3





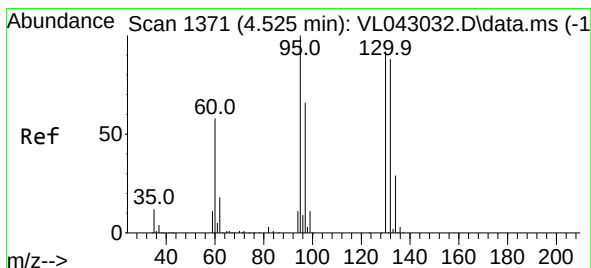
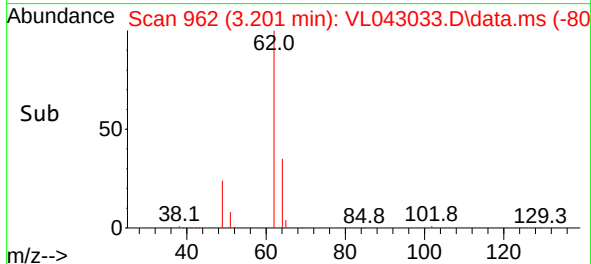
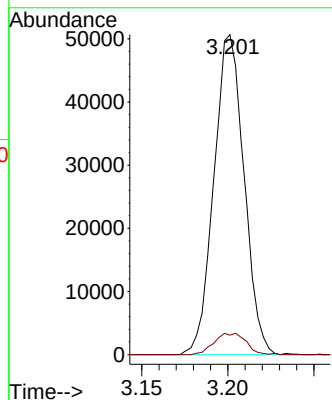
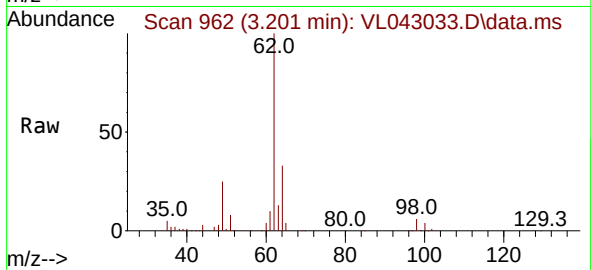
#37
1,2-Dichloroethane
Concen: 2.014 ppbv
RT: 3.201 min Scan# 962
Delta R.T. -0.000 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 62 Resp: 6166
Ion Ratio Lower Upper
62 100
98 7.1 5.6 8.4

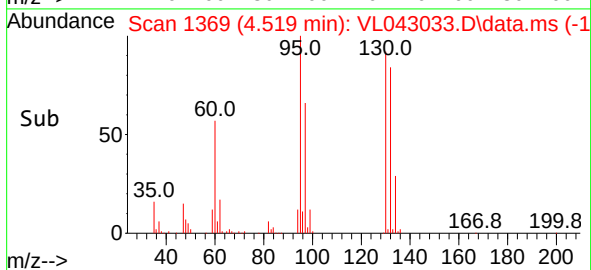
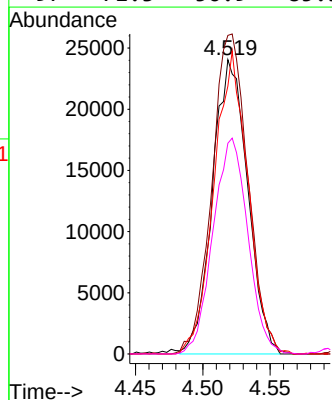
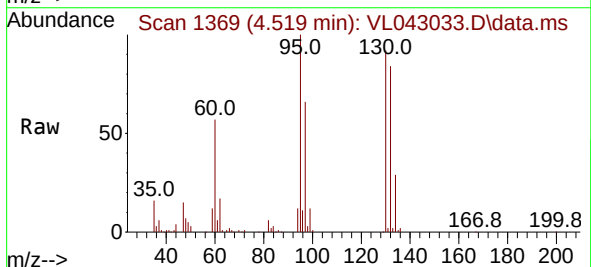
Manual Integrations
APPROVED

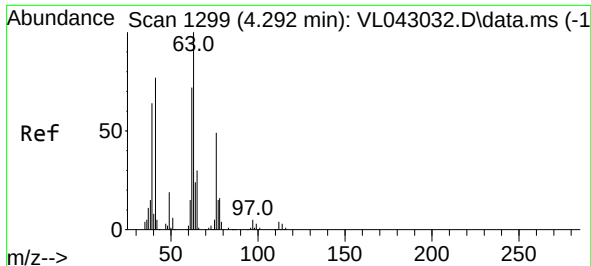
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#38
Trichloroethene
Concen: 2.020 ppbv
RT: 4.519 min Scan# 1369
Delta R.T. -0.006 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

Tgt Ion:130 Resp: 43500
Ion Ratio Lower Upper
130 100
95 107.3 86.4 129.6
132 90.5 75.7 113.5
97 71.3 56.9 85.3





#39

1,2-Dichloropropane

Concen: 1.998 ppbv

RT: 4.289 min Scan# 1298

Delta R.T. -0.003 min

Lab File: VL043033.D

Acq: 02 Oct 2025 10:57

Instrument :

MSVOA_L

ClientSampleId :

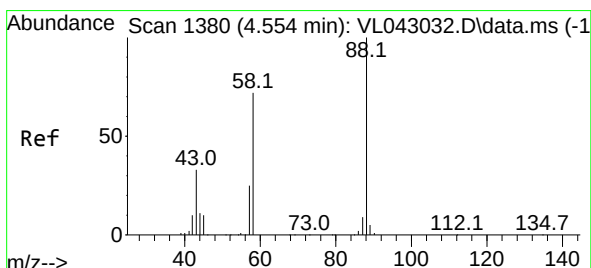
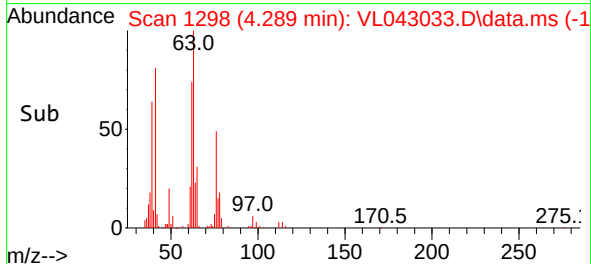
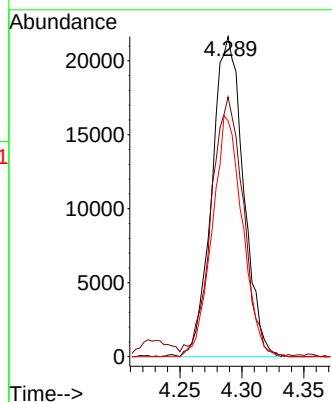
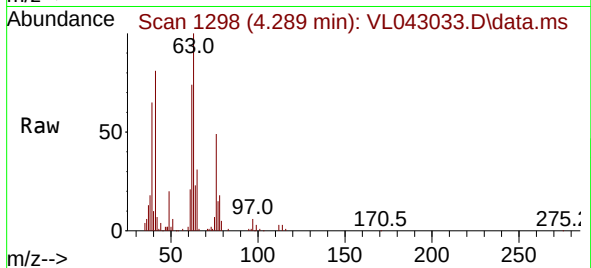
VSTDICC002

Tgt Ion:	63	Resp:	3828
Ion	Ratio	Lower	Upper
63	100		
41	80.5	61.6	92.4
62	73.8	58.1	87.1

Manual Integrations

APPROVED

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



#40

1,4-Dioxane

Concen: 2.002 ppbv m

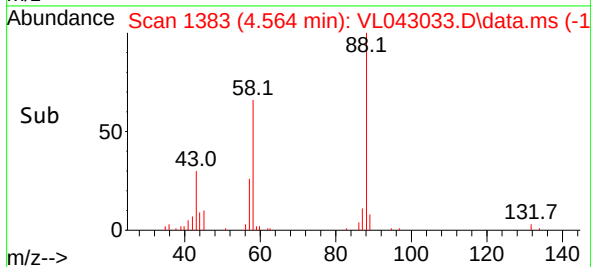
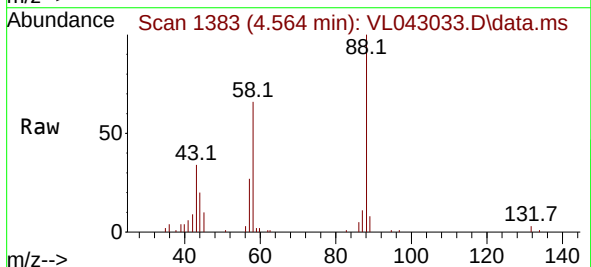
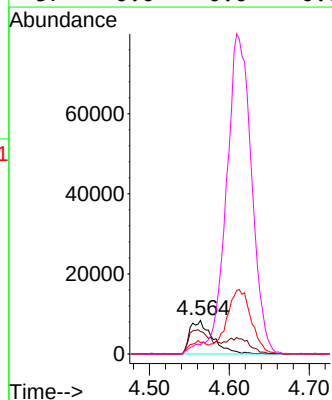
RT: 4.564 min Scan# 1383

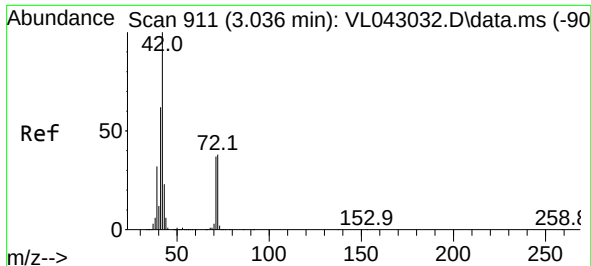
Delta R.T. 0.010 min

Lab File: VL043033.D

Acq: 02 Oct 2025 10:57

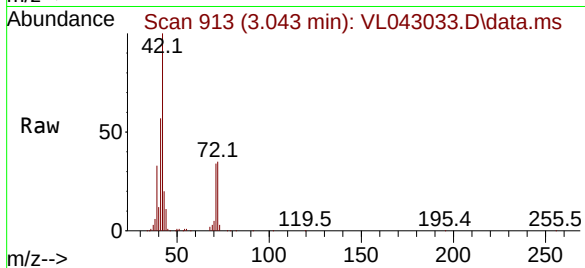
Tgt Ion:	88	Resp:	16471
Ion	Ratio	Lower	Upper
88	100		
58	0.0	56.2	84.2#
43	0.0	25.7	38.5#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 2.082 ppbv
RT: 3.043 min Scan# 911
Delta R.T. 0.006 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

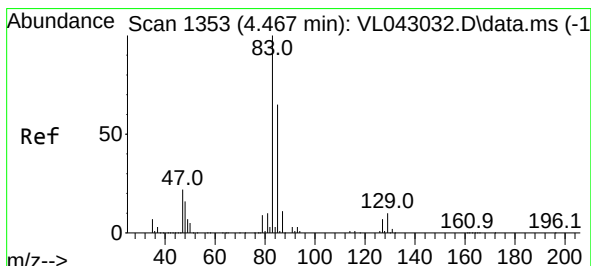
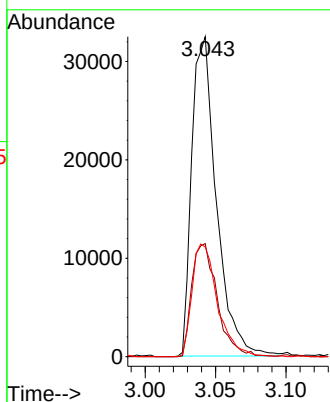
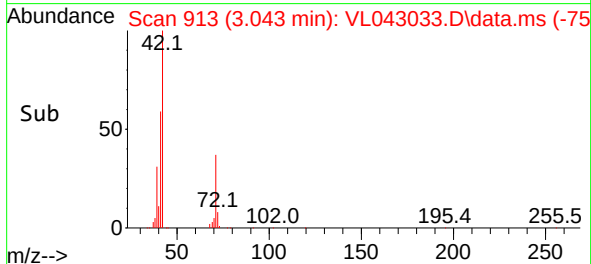
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 42 Resp: 3950
Ion Ratio Lower Upper
42 100
72 36.6 31.0 46.6
71 36.6 29.8 44.6

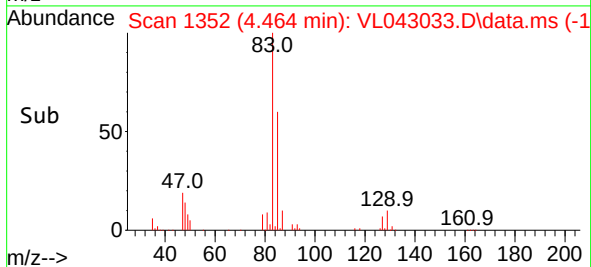
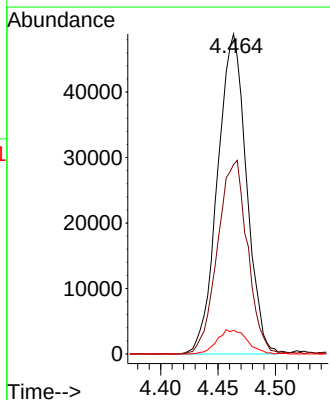
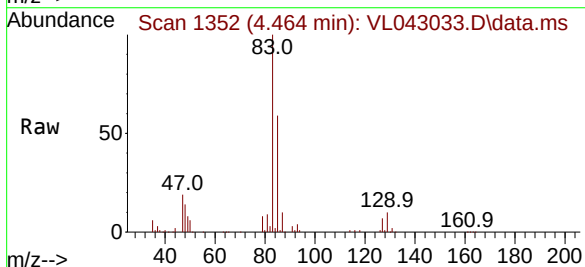
Manual Integrations
APPROVED

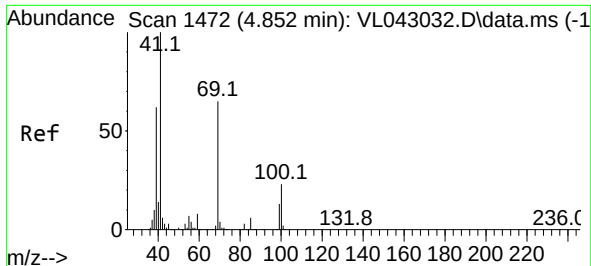
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#42
Bromodichloromethane
Concen: 1.981 ppbv
RT: 4.464 min Scan# 1352
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

Tgt Ion: 83 Resp: 85622
Ion Ratio Lower Upper
83 100
85 59.2 51.8 77.8
127 7.4 5.9 8.9





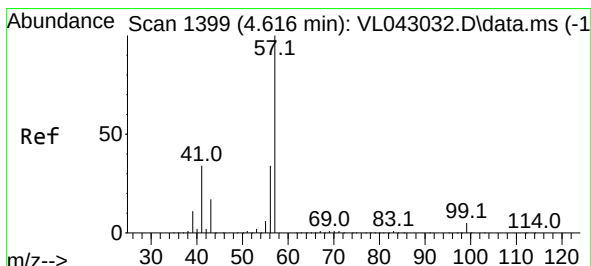
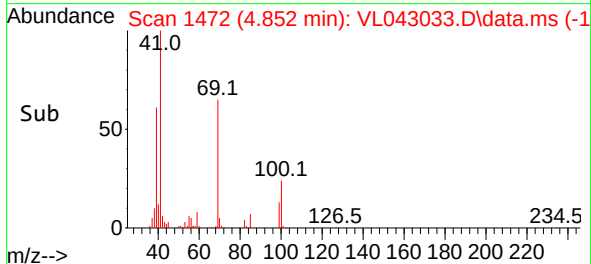
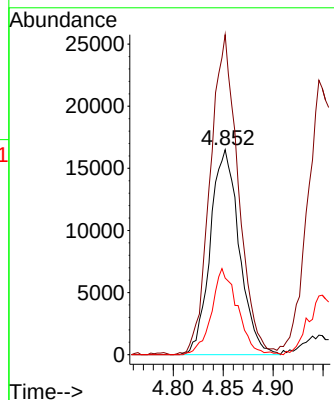
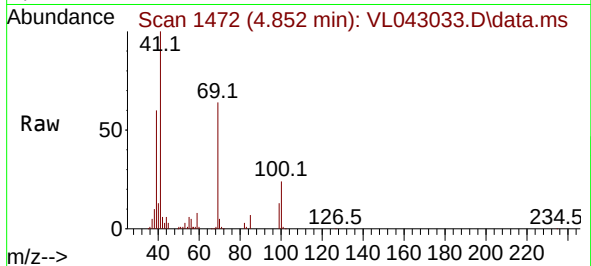
#43
Methyl Methacrylate
Concen: 1.940 ppbv
RT: 4.852 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 69 Resp: 3328
Ion Ratio Lower Upper
69 100
41 152.0 118.0 177.0
100 37.8 28.3 42.5

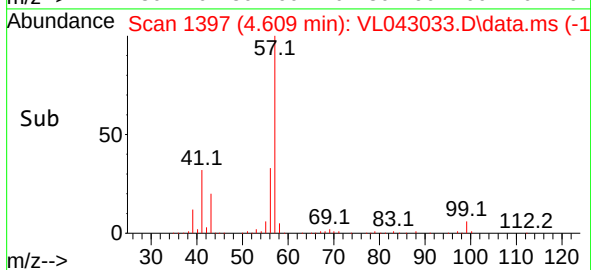
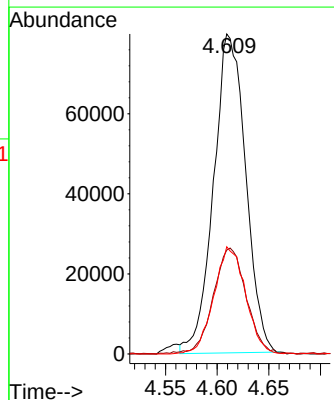
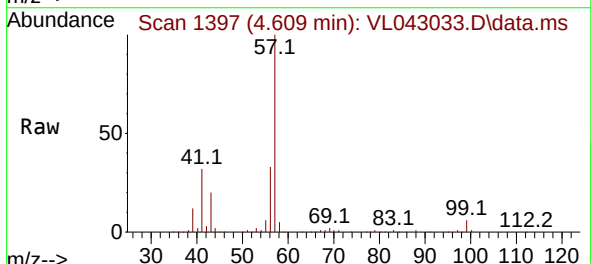
Manual Integrations
APPROVED

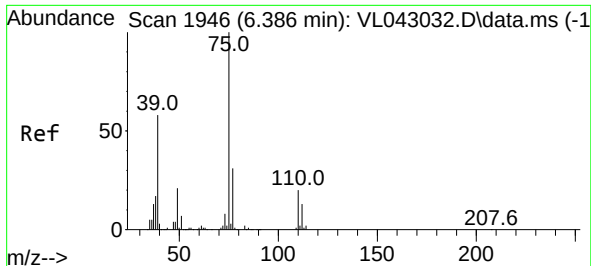
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#44
2,2,4-Trimethylpentane
Concen: 2.074 ppbv
RT: 4.609 min Scan# 1397
Delta R.T. -0.006 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

Tgt Ion: 57 Resp: 171998
Ion Ratio Lower Upper
57 100
41 33.9 27.0 40.4
56 33.3 26.0 39.0





#45

t-1,3-Dichloropropene

Concen: 1.944 ppbv

RT: 6.383 min Scan# 1946

Delta R.T. -0.003 min

Lab File: VL043033.D

Acq: 02 Oct 2025 10:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 75 Resp: 3022

Ion Ratio Lower Upper

75 100

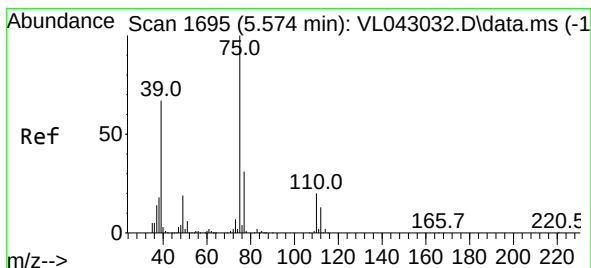
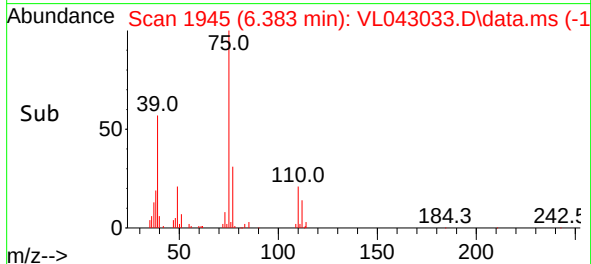
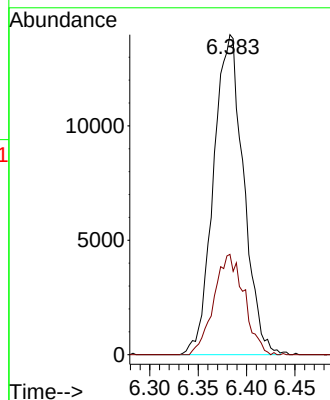
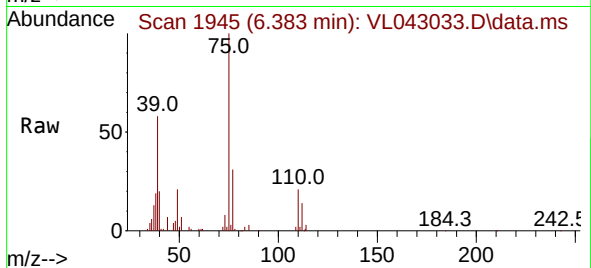
77 31.3 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025

Supervised By :Mahesh Dadoda 10/10/2025



#46

cis-1,3-Dichloropropene

Concen: 1.938 ppbv

RT: 5.567 min Scan# 1693

Delta R.T. -0.006 min

Lab File: VL043033.D

Acq: 02 Oct 2025 10:57

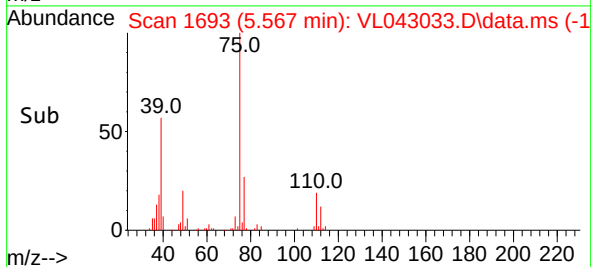
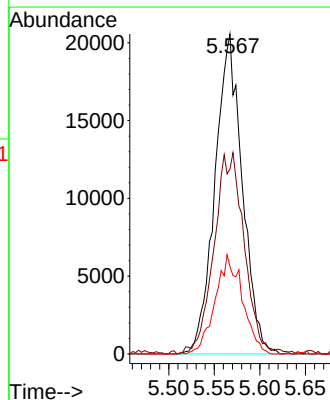
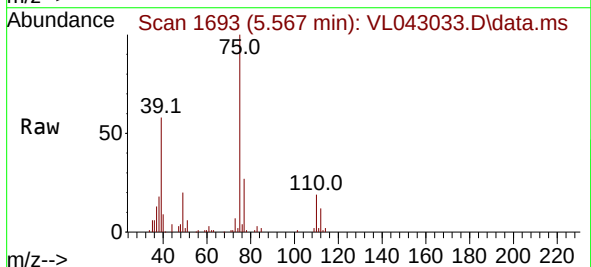
Tgt Ion: 75 Resp: 42818

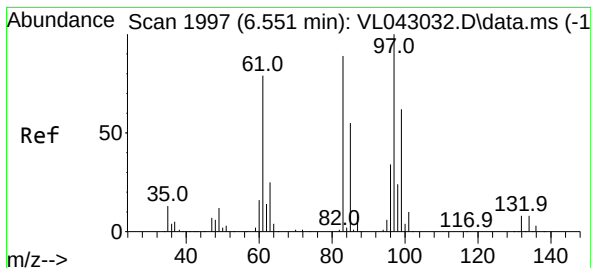
Ion Ratio Lower Upper

75 100

39 57.5 53.4 80.0

77 27.3 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 2.004 ppbv

RT: 6.548 min Scan# 1997

Delta R.T. -0.003 min

Lab File: VL043033.D

Acq: 02 Oct 2025 10:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 97 Resp: 42719

Ion Ratio Lower Upper

97 100

83 82.7 71.1 106.7

85 52.8 44.3 66.5

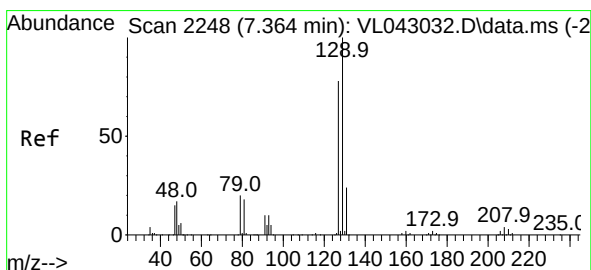
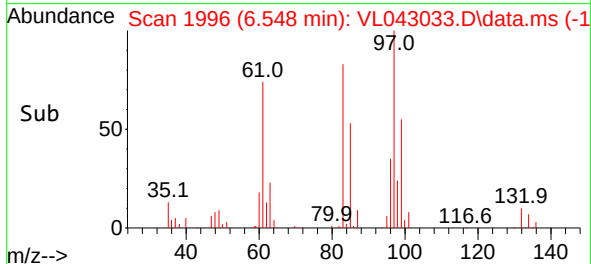
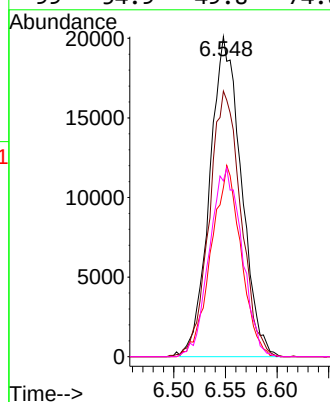
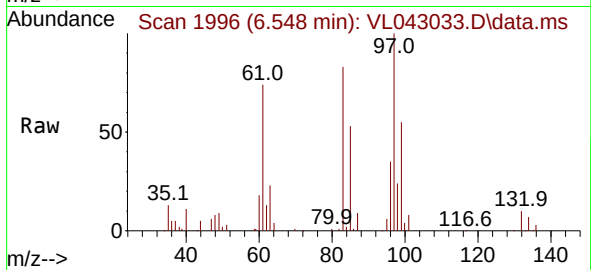
99 54.9 49.8 74.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025

Supervised By :Mahesh Dadoda 10/10/2025



#48

Dibromochloromethane

Concen: 2.005 ppbv

RT: 7.357 min Scan# 2246

Delta R.T. -0.006 min

Lab File: VL043033.D

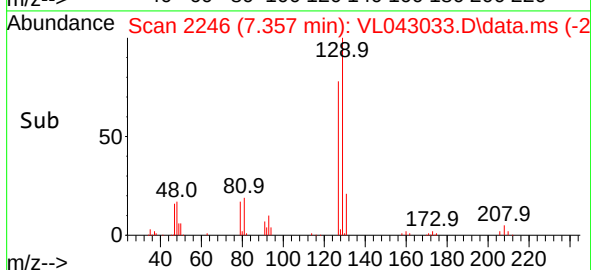
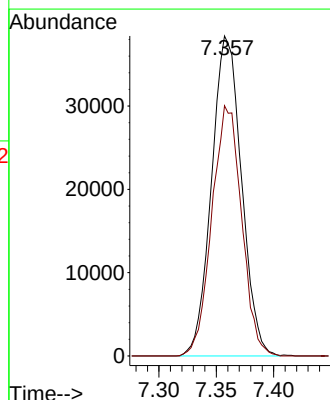
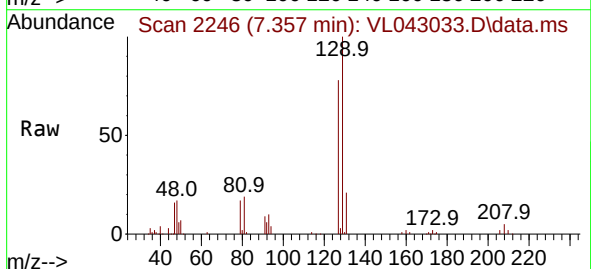
Acq: 02 Oct 2025 10:57

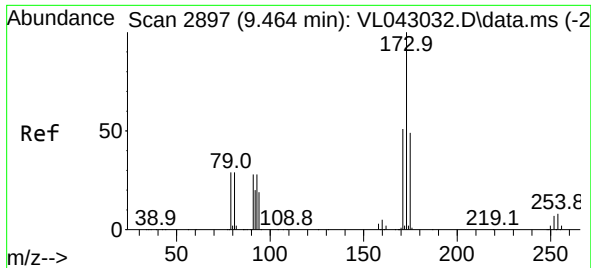
Tgt Ion:129 Resp: 69735

Ion Ratio Lower Upper

129 100

127 77.6 38.6 116.0





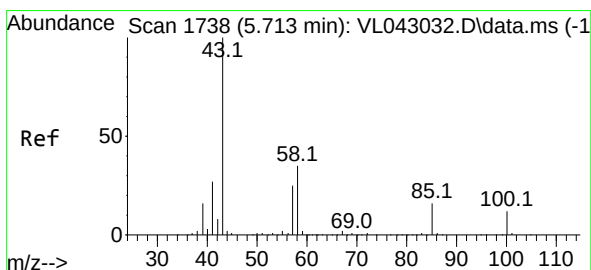
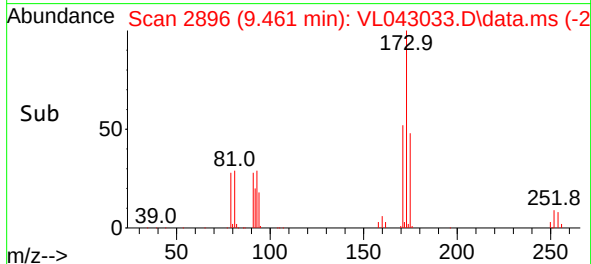
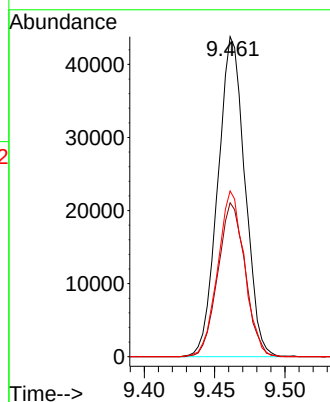
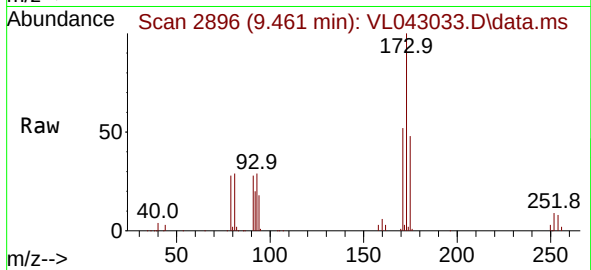
#49
Bromoform
Concen: 2.019 ppbv
RT: 9.461 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:173 Resp: 5865
Ion Ratio Lower Upper
173 100
175 48.5 39.1 58.7
171 51.1 41.4 62.2

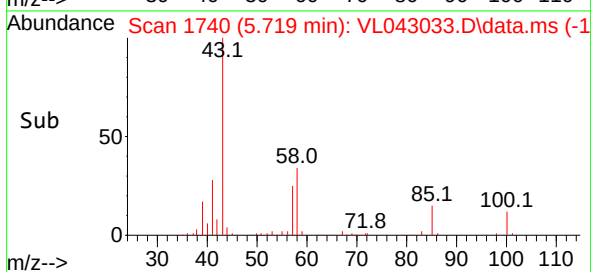
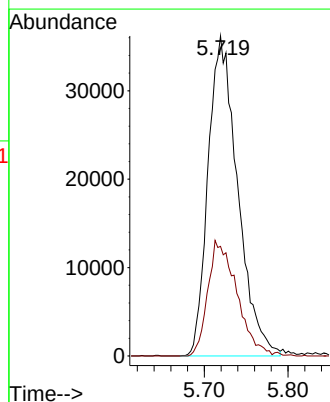
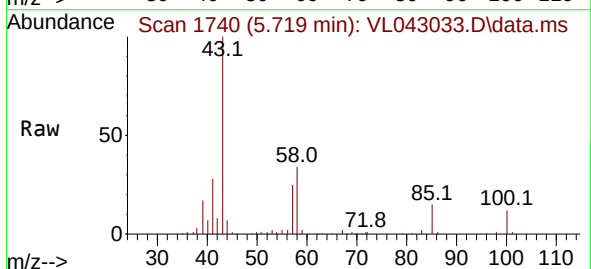
Manual Integrations
APPROVED

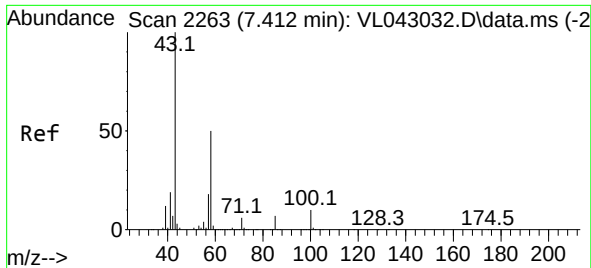
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#50
4-Methyl-2-Pentanone
Concen: 1.982 ppbv
RT: 5.719 min Scan# 1740
Delta R.T. 0.006 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

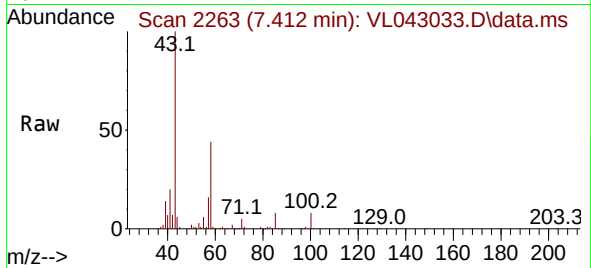
Tgt Ion: 43 Resp: 88751
Ion Ratio Lower Upper
43 100
58 35.6 28.7 43.1





#51
2-Hexanone
Concen: 1.969 ppbv
RT: 7.412 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

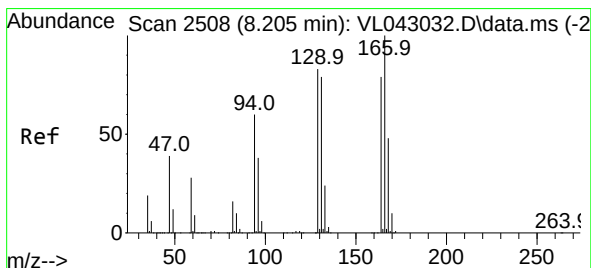
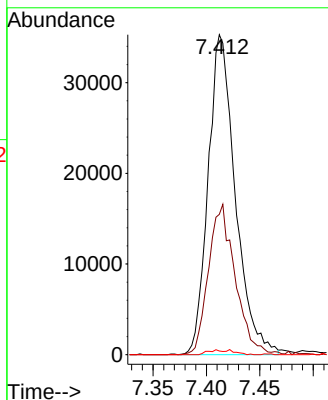
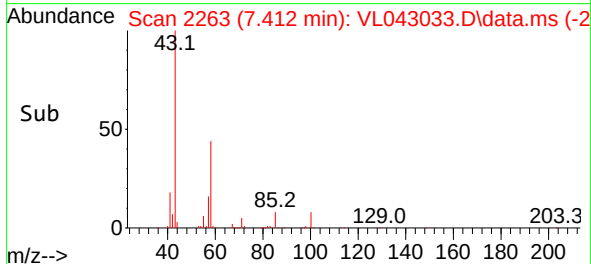
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



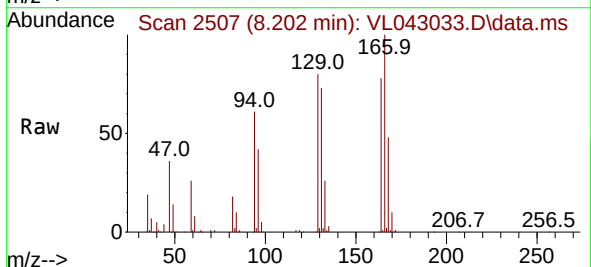
Tgt Ion: 43 Resp: 62520
Ion Ratio Lower Upper
43 100
58 46.3 39.1 58.7
98 1.4 0.5 0.7

Manual Integrations
APPROVED

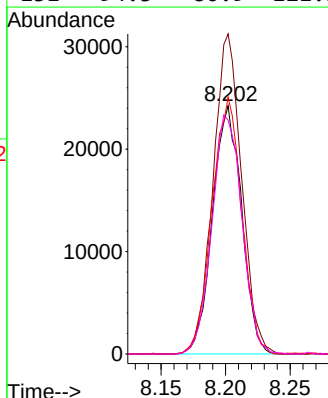
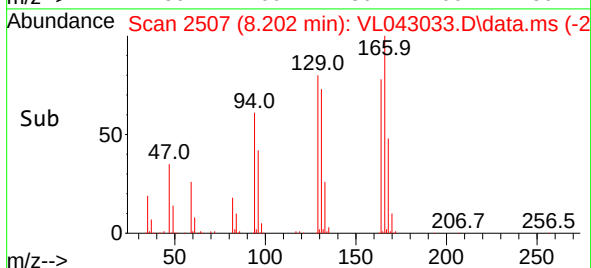
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

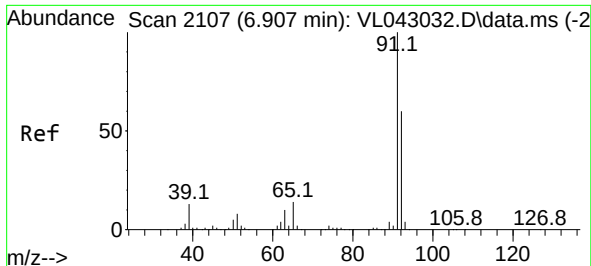


#52
Tetrachloroethene
Concen: 1.976 ppbv
RT: 8.202 min Scan# 2507
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57



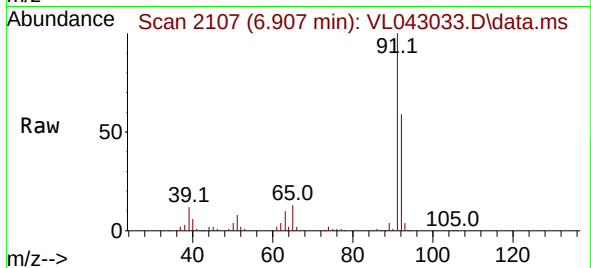
Tgt Ion:164 Resp: 38059
Ion Ratio Lower Upper
164 100
166 128.8 101.8 152.8
129 103.5 84.5 126.7
131 94.3 80.9 121.3





#53
Toluene
Concen: 2.004 ppbv
RT: 6.907 min Scan# 2107
Delta R.T. -0.000 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

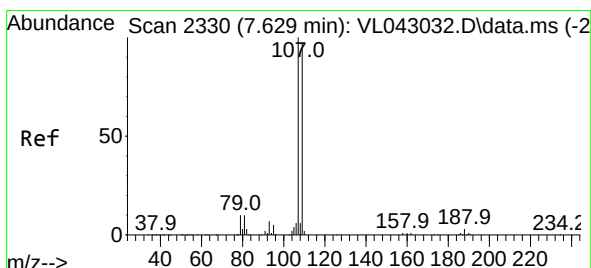
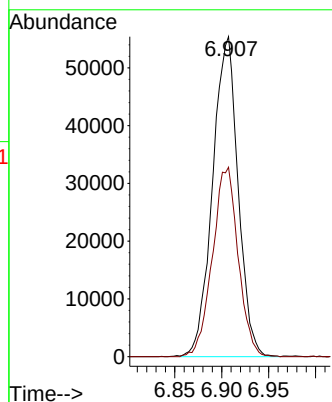
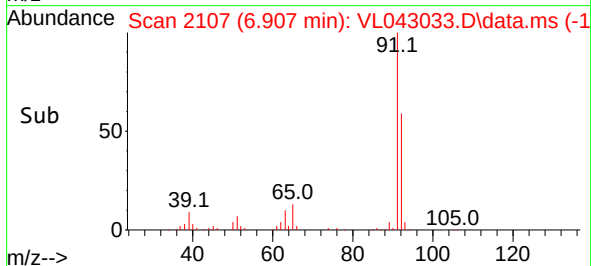
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



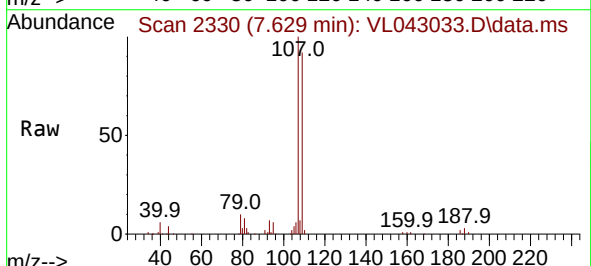
Tgt Ion: 91 Resp: 10458
Ion Ratio Lower Upper
91 100
92 59.7 47.8 71.6

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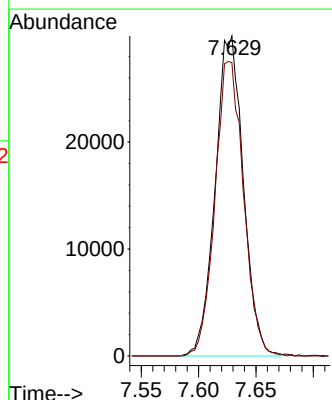
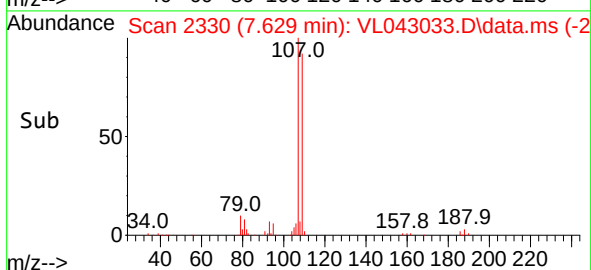
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

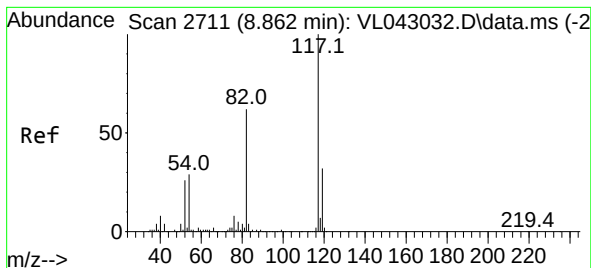


#54
1,2-Dibromoethane
Concen: 2.018 ppbv
RT: 7.629 min Scan# 2330
Delta R.T. 0.000 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57



Tgt Ion:107 Resp: 50973
Ion Ratio Lower Upper
107 100
109 91.7 77.4 116.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.859 min Scan# 2711

Delta R.T. -0.003 min

Lab File: VL043033.D

Acq: 02 Oct 2025 10:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

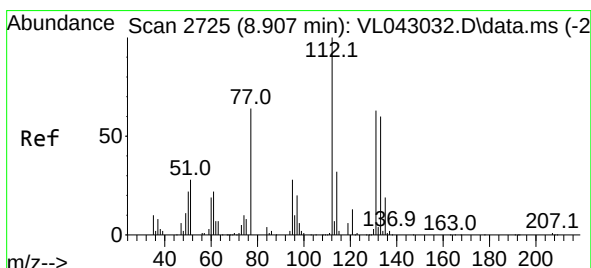
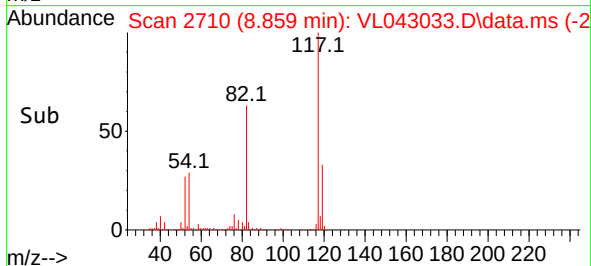
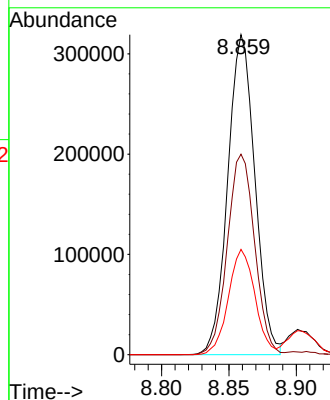
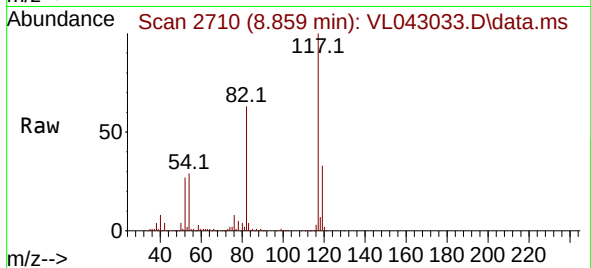
Tgt Ion:117 Resp: 447624

Ion	Ratio	Lower	Upper
117	100		
82	64.2	53.0	79.6
119	32.6	25.4	38.2

Manual Integrations

APPROVED

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



#56

1,1,1,2-Tetrachloroethane

Concen: 2.013 ppbv

RT: 8.901 min Scan# 2723

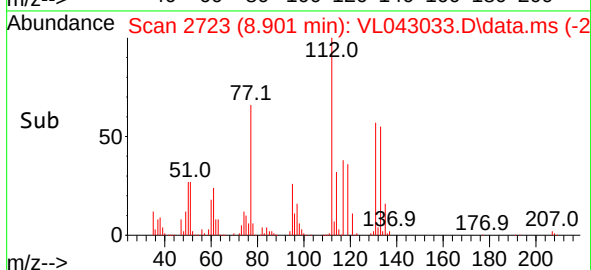
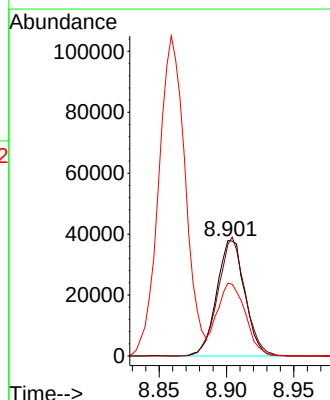
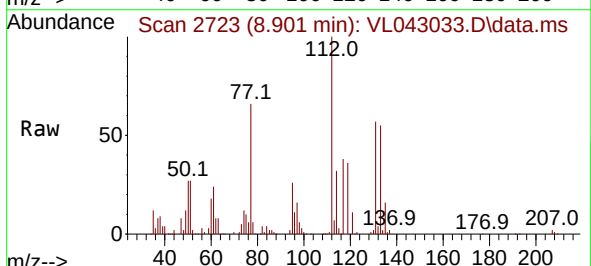
Delta R.T. -0.006 min

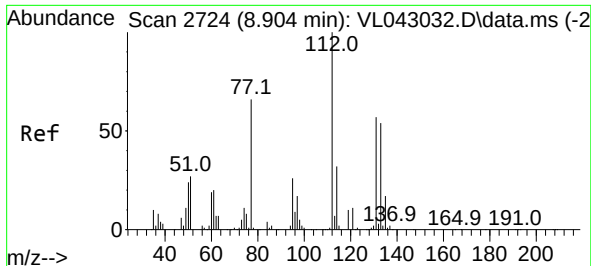
Lab File: VL043033.D

Acq: 02 Oct 2025 10:57

Tgt Ion:131 Resp: 54924

Ion	Ratio	Lower	Upper
131	100		
133	98.9	76.2	114.4
119	56.2	49.4	74.2





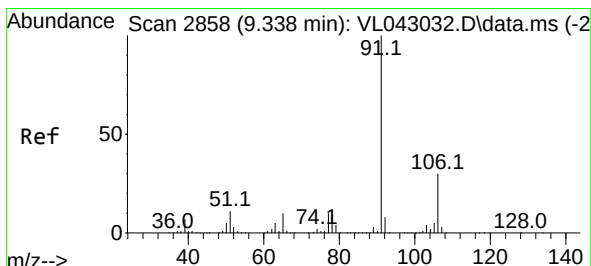
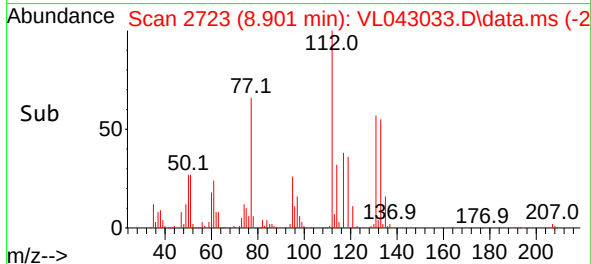
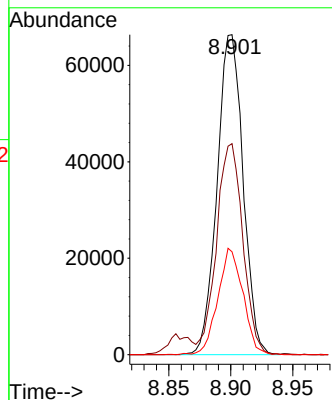
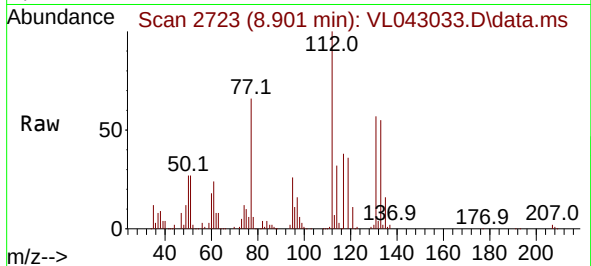
#57
Chlorobenzene
Concen: 2.054 ppbv
RT: 8.901 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:112 Resp: 97190
Ion Ratio Lower Upper
112 100
77 65.9 53.2 79.8
114 32.1 28.6 35.0

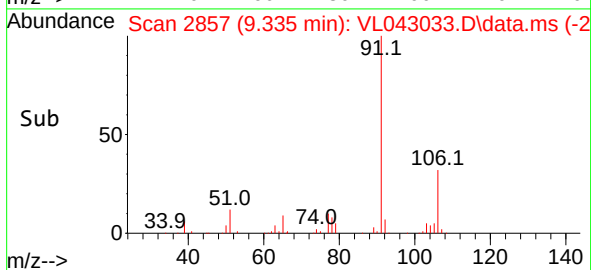
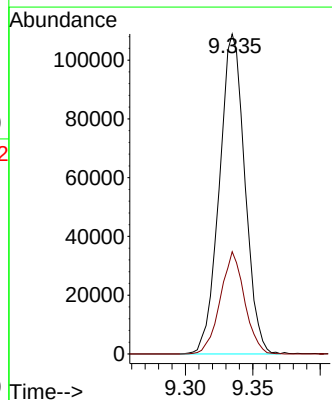
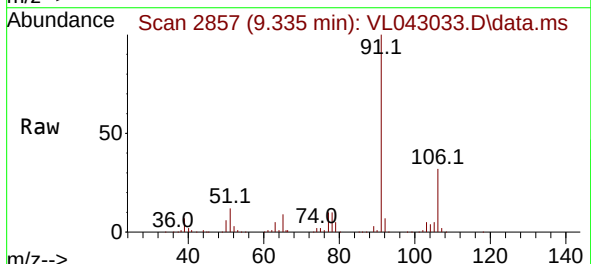
Manual Integrations
APPROVED

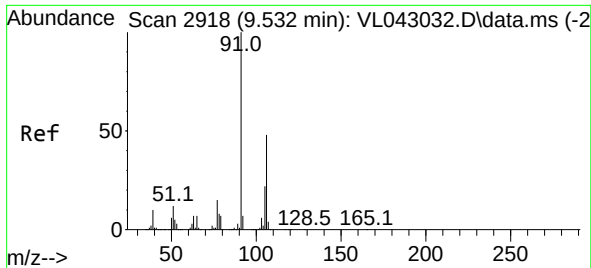
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#58
Ethyl Benzene
Concen: 2.063 ppbv
RT: 9.335 min Scan# 2857
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

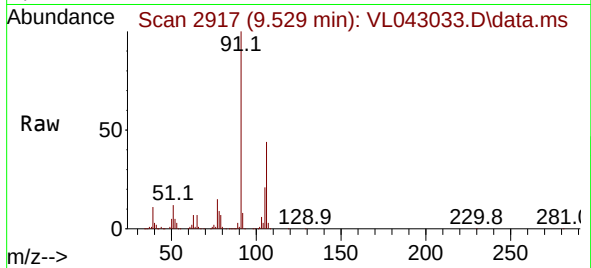
Tgt Ion: 91 Resp: 143037
Ion Ratio Lower Upper
91 100
106 32.0 24.1 36.1





#59
m/p-Xylene
Concen: 4.289 ppbv m
RT: 9.529 min Scan# 2918
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

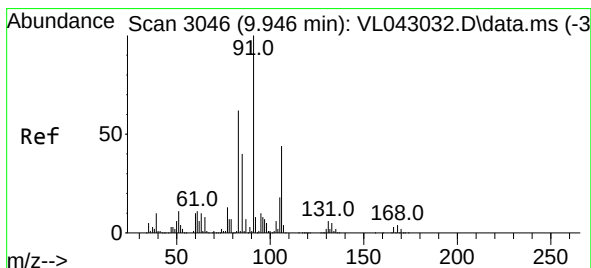
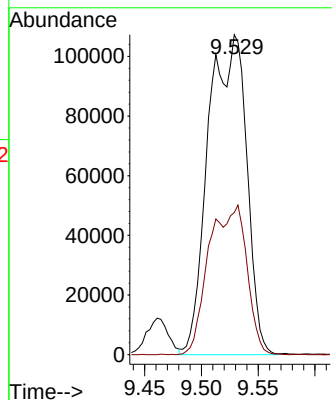
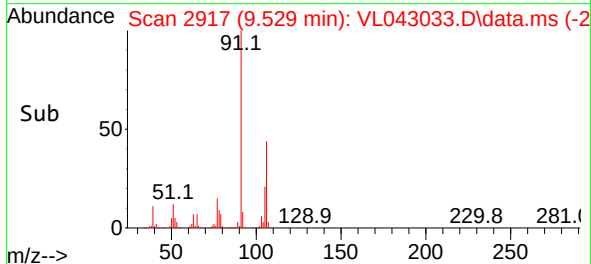
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



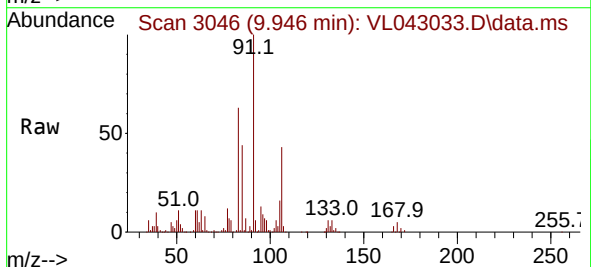
Tgt Ion: 91 Resp: 250930
Ion Ratio Lower Upper
91 100
106 46.4 37.5 56.3

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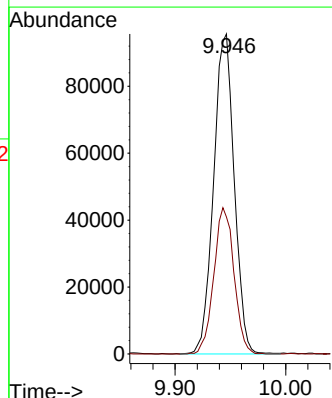
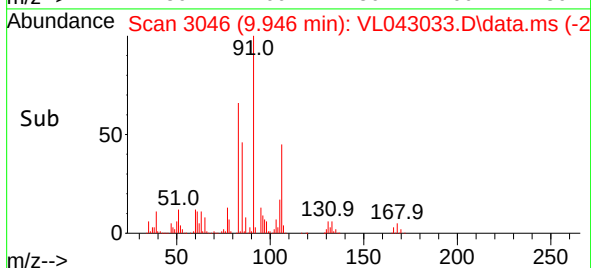
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

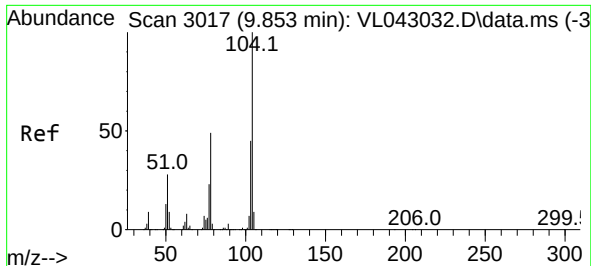


#60
o-Xylene
Concen: 2.128 ppbv
RT: 9.946 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57



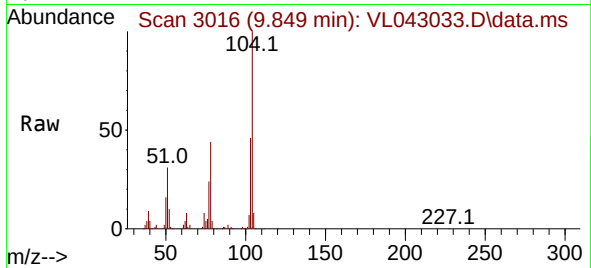
Tgt Ion: 91 Resp: 124006
Ion Ratio Lower Upper
91 100
106 44.7 21.9 65.5





#61
Styrene
Concen: 1.917 ppbv
RT: 9.849 min Scan# 3017
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

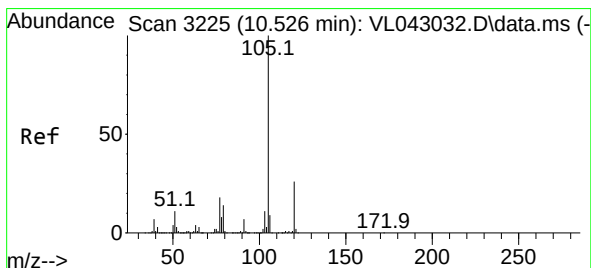
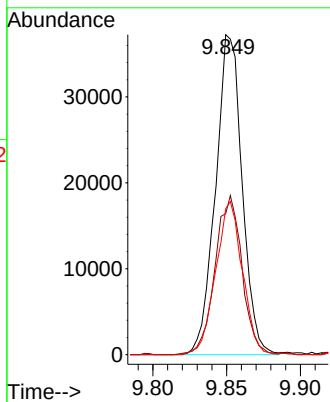
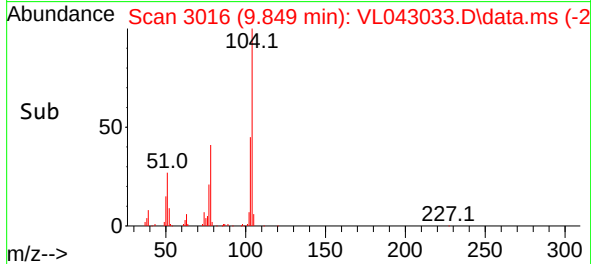
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion:104 Resp: 46782
Ion Ratio Lower Upper
104 100
78 50.4 39.7 59.5
103 48.4 37.6 56.4

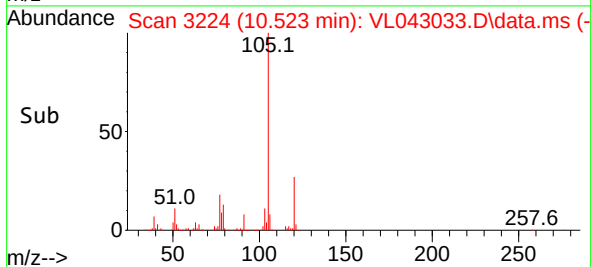
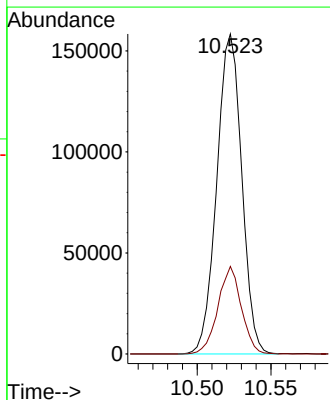
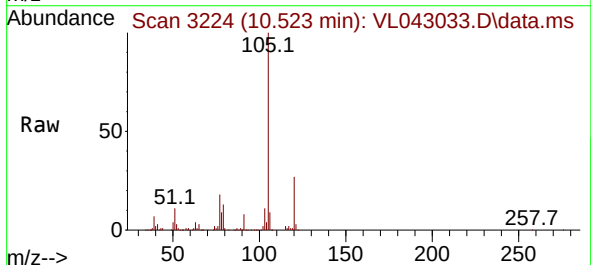
Manual Integrations
APPROVED

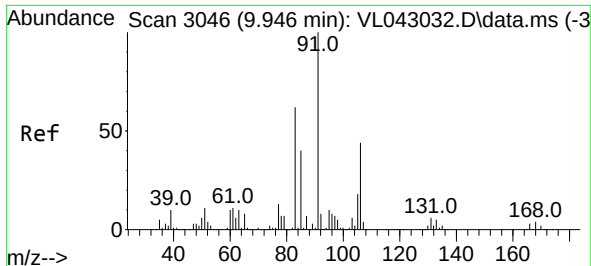
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#62
Isopropylbenzene
Concen: 2.084 ppbv
RT: 10.523 min Scan# 3224
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

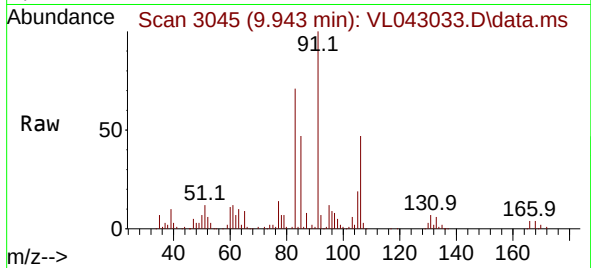
Tgt Ion:105 Resp: 186358
Ion Ratio Lower Upper
105 100
120 25.7 20.6 31.0





#63
1,1,2,2-Tetrachloroethane
Concen: 2.022 ppbv
RT: 9.943 min Scan# 3046
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

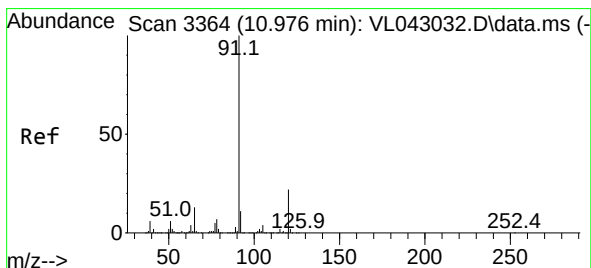
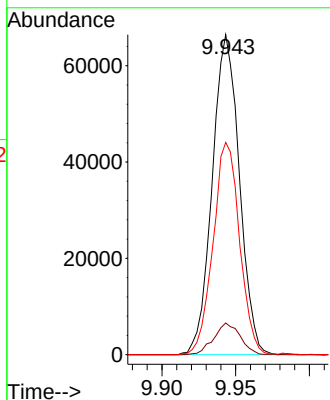
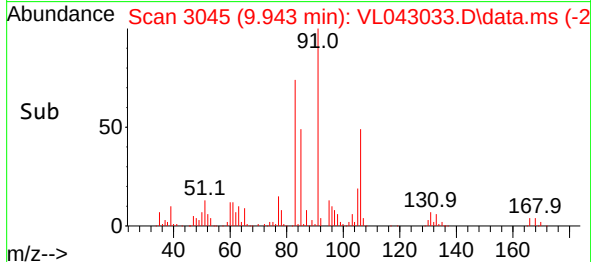
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



Tgt Ion: 83 Resp: 84910
Ion Ratio Lower Upper
83 100
131 9.7 4.7 14.1
85 65.0 32.0 96.2

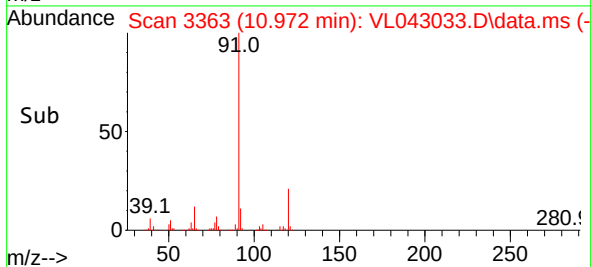
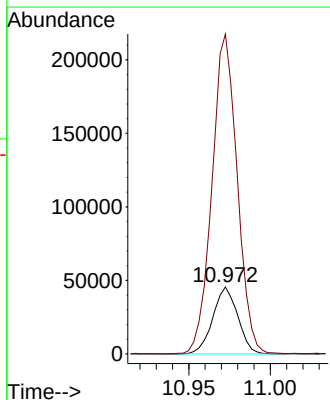
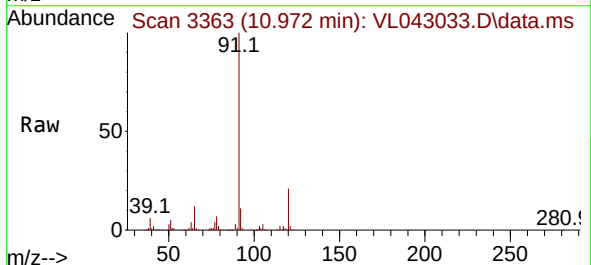
Manual Integrations
APPROVED

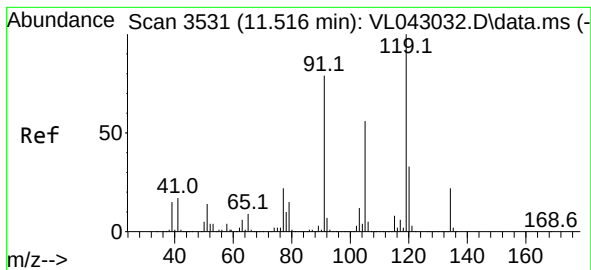
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#64
n-propylbenzene
Concen: 2.113 ppbv
RT: 10.972 min Scan# 3363
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

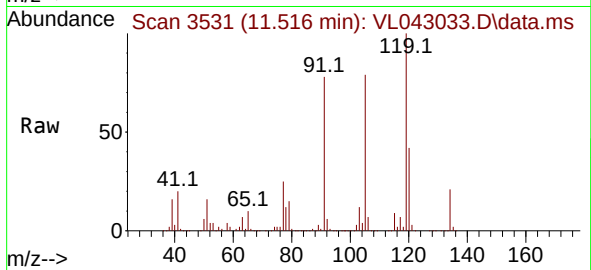
Tgt Ion:120 Resp: 48346
Ion Ratio Lower Upper
120 100
91 485.5 367.0 550.4





#65
tert-Butylbenzene
Concen: 2.173 ppbv
RT: 11.516 min Scan# 3531
Delta R.T. 0.000 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

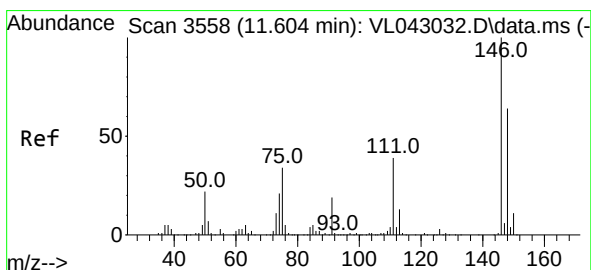
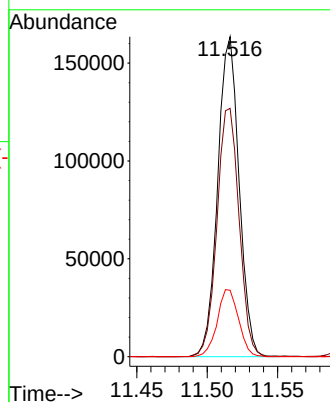
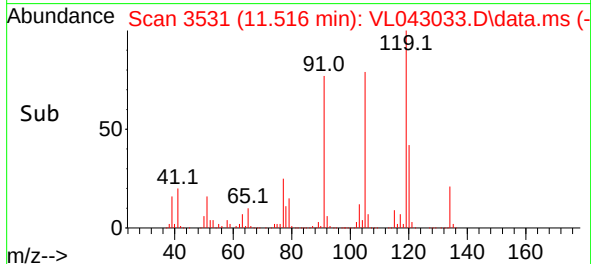
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion:119 Resp: 172968
Ion Ratio Lower Upper
119 100
91 80.2 63.1 94.7
134 20.9 16.9 25.3

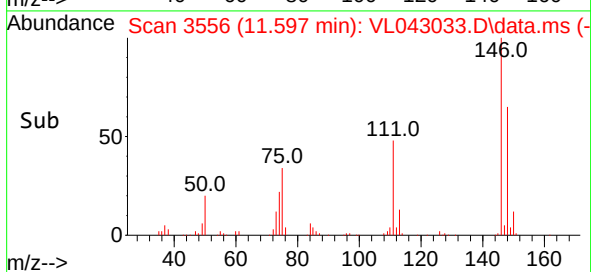
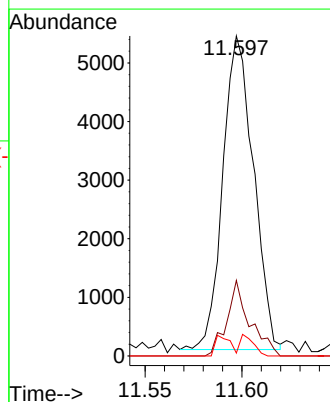
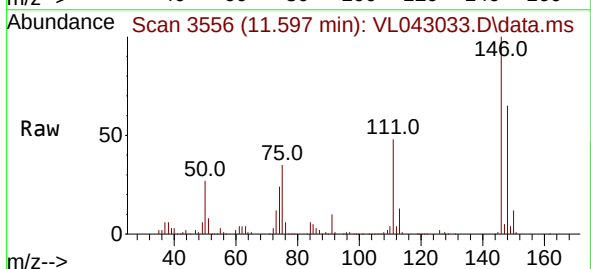
Manual Integrations
APPROVED

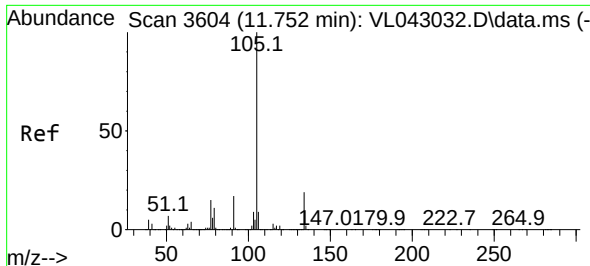
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#66
Benzyl Chloride
Concen: 1.908 ppbv
RT: 11.597 min Scan# 3556
Delta R.T. -0.006 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

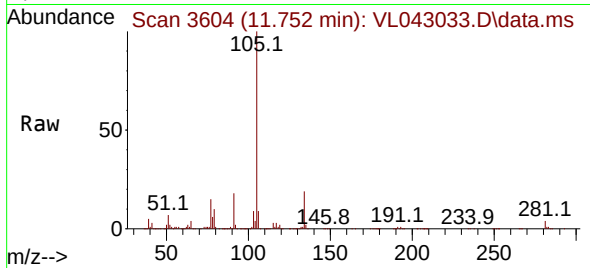
Tgt Ion: 91 Resp: 5886
Ion Ratio Lower Upper
91 100
126 18.1 14.2 21.4
128 6.1 4.8 7.2





#67
 sec-Butylbenzene
 Concen: 2.210 ppbv
 RT: 11.752 min Scan# 3604
 Delta R.T. -0.000 min
 Lab File: VL043033.D
 Acq: 02 Oct 2025 10:57

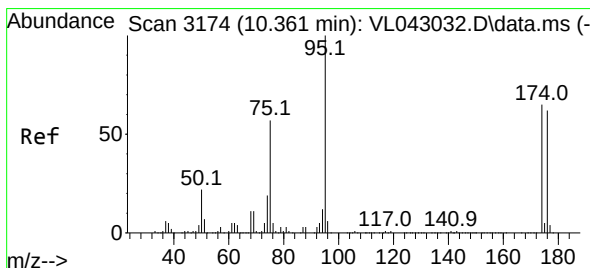
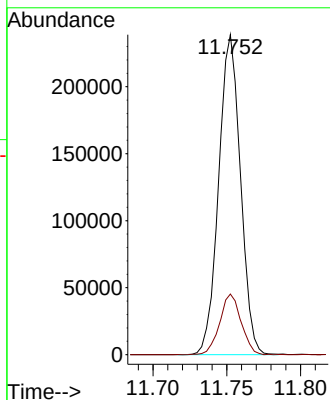
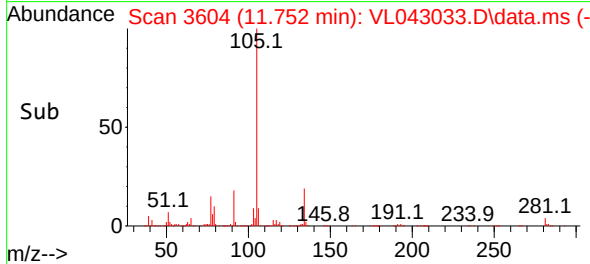
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



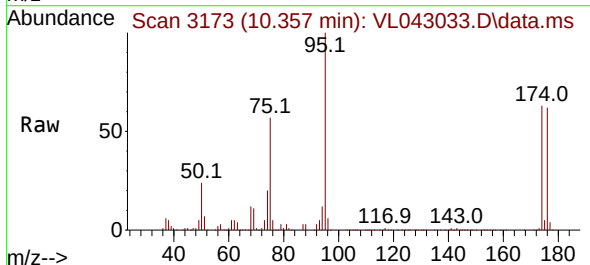
Tgt Ion: 105 Resp: 245463
 Ion Ratio Lower Upper
 105 100
 134 18.6 15.2 22.8

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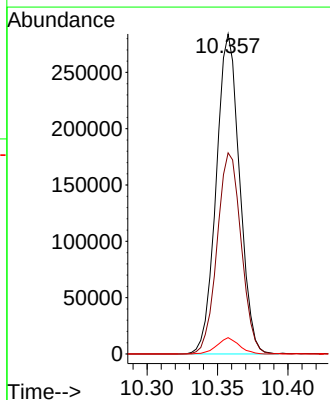
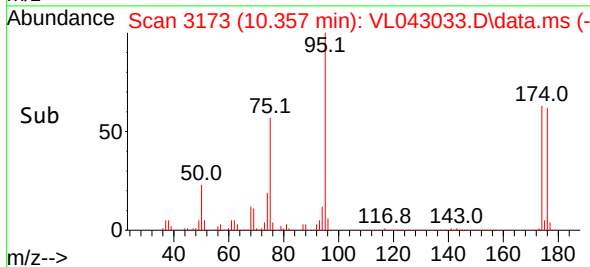
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

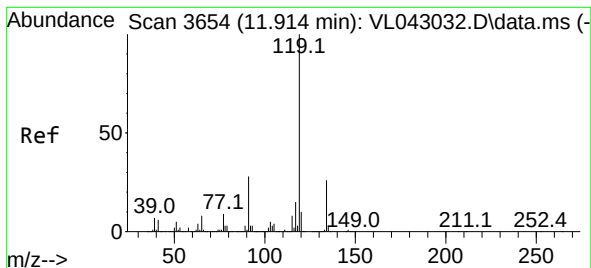


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.167 ppbv
 RT: 10.357 min Scan# 3173
 Delta R.T. -0.003 min
 Lab File: VL043033.D
 Acq: 02 Oct 2025 10:57



Tgt Ion: 95 Resp: 327830
 Ion Ratio Lower Upper
 95 100
 174 65.0 52.3 78.5
 175 4.8 3.8 5.8





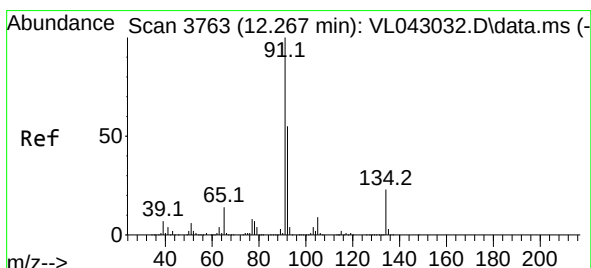
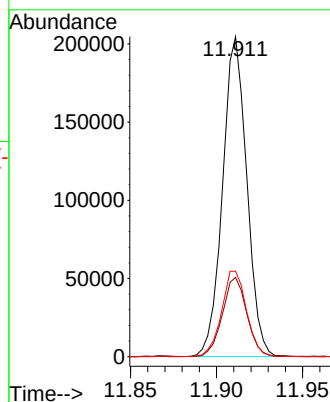
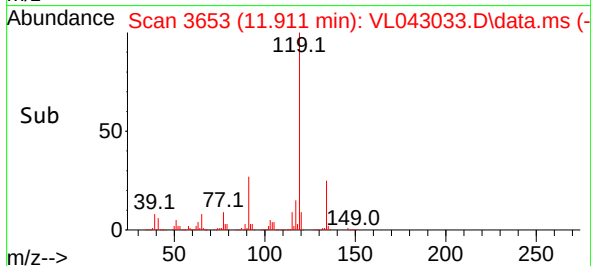
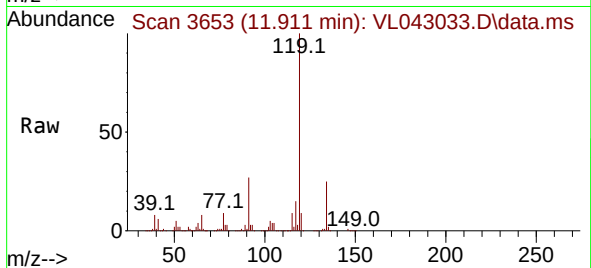
#69
 p-Isopropyltoluene
 Concen: 2.214 ppbv
 RT: 11.911 min Scan# 3653
 Delta R.T. -0.003 min
 Lab File: VL043033.D
 Acq: 02 Oct 2025 10:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 119 Resp: 200038
 Ion Ratio Lower Upper
 119 100
 134 25.1 20.5 30.7
 91 28.0 22.6 33.8

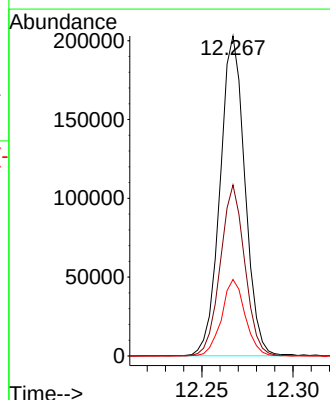
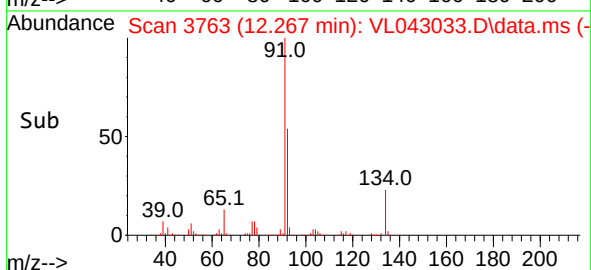
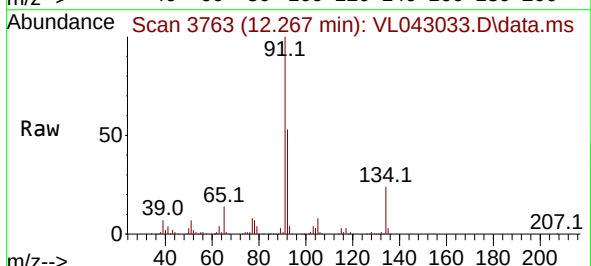
Manual Integrations
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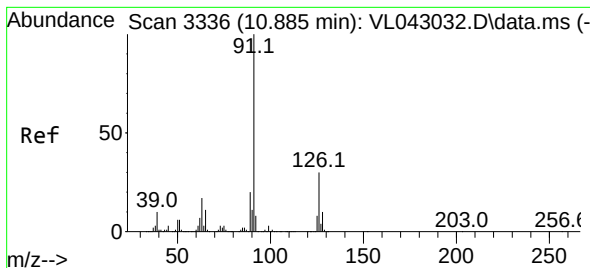
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#70
 n-Butylbenzene
 Concen: 2.210 ppbv
 RT: 12.267 min Scan# 3763
 Delta R.T. 0.000 min
 Lab File: VL043033.D
 Acq: 02 Oct 2025 10:57

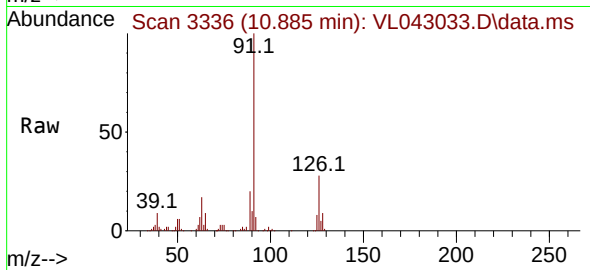
Tgt Ion: 91 Resp: 192286
 Ion Ratio Lower Upper
 91 100
 92 52.8 43.9 65.9
 134 22.8 18.9 28.3





#71
2-Chlorotoluene
Concen: 2.105 ppbv
RT: 10.885 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

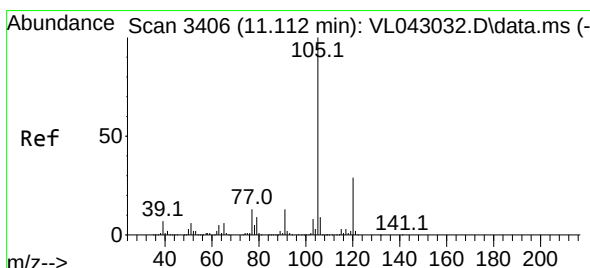
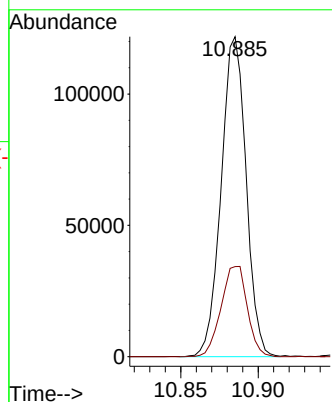
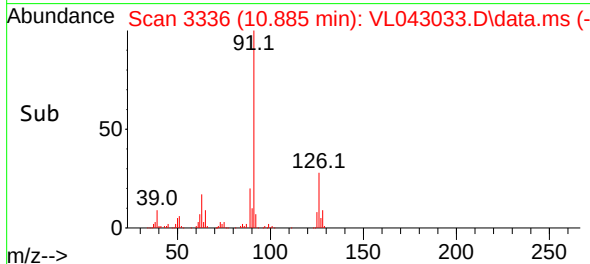
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



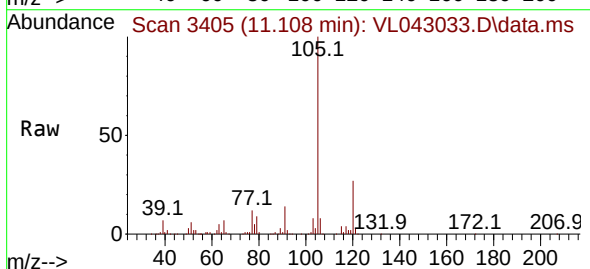
Tgt Ion: 91 Resp: 136270
Ion Ratio Lower Upper
91 100
126 29.7 12.2 48.6

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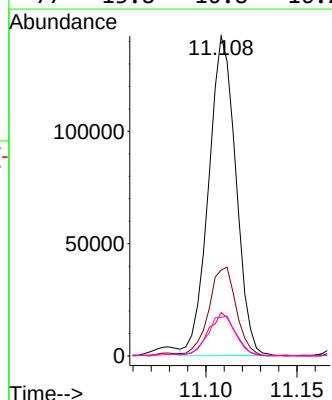
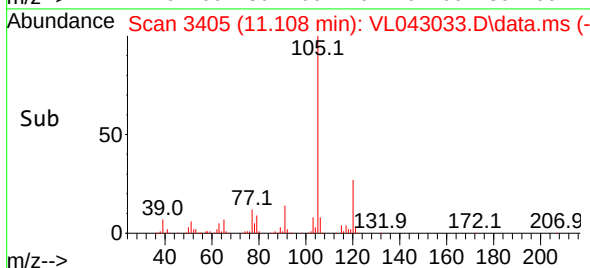
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

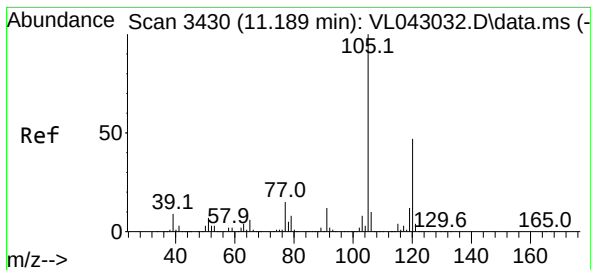


#72
4-Ethyltoluene
Concen: 2.126 ppbv
RT: 11.108 min Scan# 3405
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57



Tgt Ion:105 Resp: 147421
Ion Ratio Lower Upper
105 100
120 29.0 23.5 35.3
91 14.3 10.4 15.6
77 13.8 10.8 16.2





#73

1,3,5-Trimethylbenzene

Concen: 2.124 ppbv

RT: 11.186 min Scan# 3429

Delta R.T. -0.003 min

Lab File: VL043033.D

Acq: 02 Oct 2025 10:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:105 Resp: 127419

Ion Ratio Lower Upper

105 100

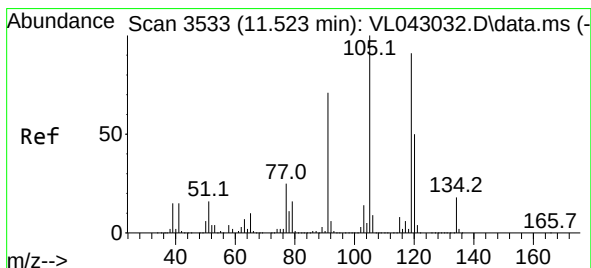
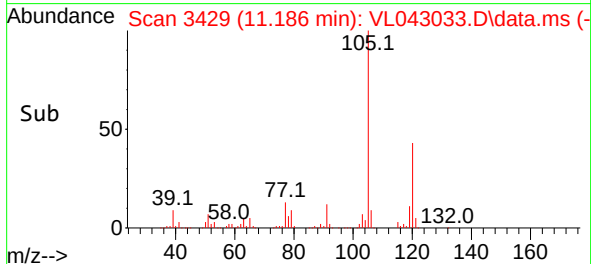
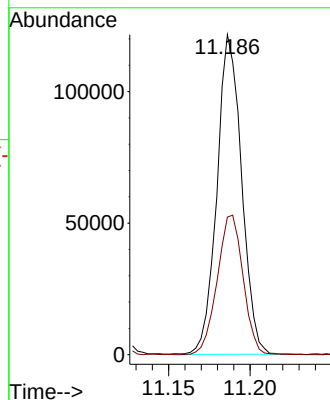
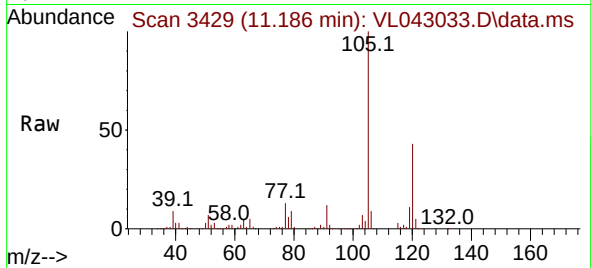
120 43.0 37.5 56.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025

Supervised By :Mahesh Dadoda 10/10/2025



#74

1,2,4-Trimethylbenzene

Concen: 2.216 ppbv

RT: 11.519 min Scan# 3532

Delta R.T. -0.003 min

Lab File: VL043033.D

Acq: 02 Oct 2025 10:57

Tgt Ion:105 Resp: 150033

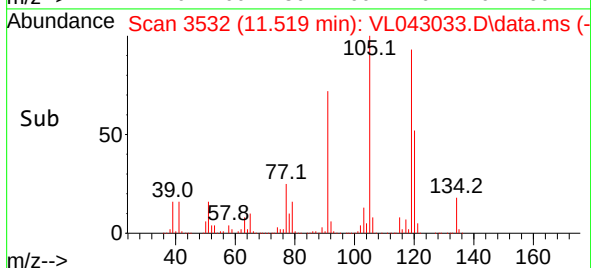
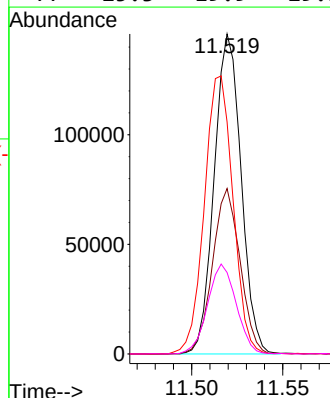
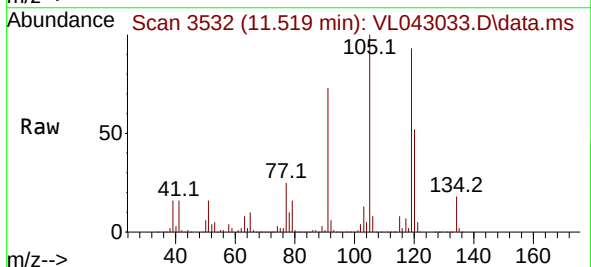
Ion Ratio Lower Upper

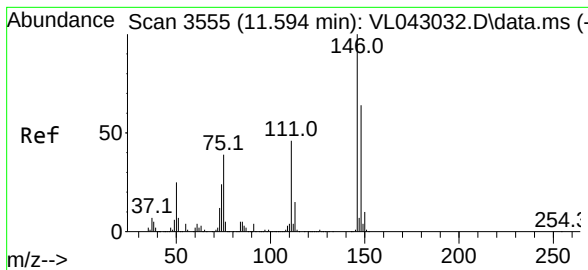
105 100

120 51.6 39.7 59.5

91 72.4 56.5 84.7

77 25.3 19.9 29.9





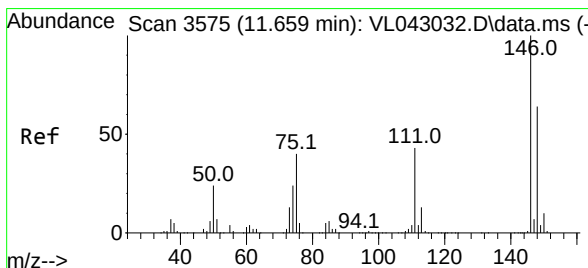
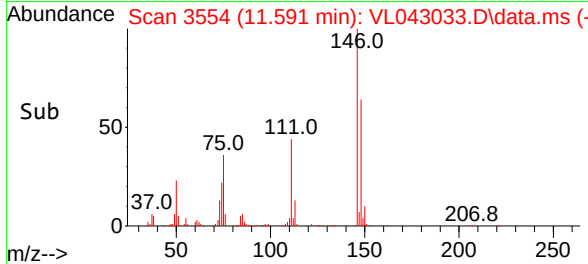
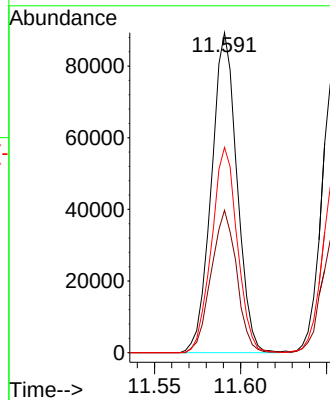
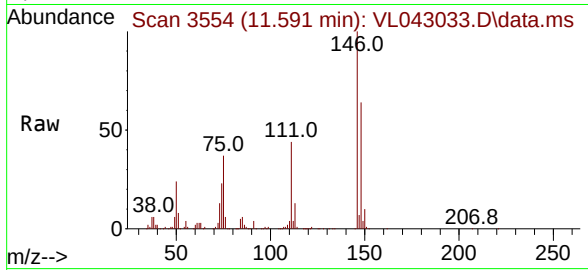
#75
1,3-Dichlorobenzene
Concen: 2.095 ppbv
RT: 11.591 min Scan# 3554
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 92272
Ion Ratio Lower Upper
146 100
111 44.4 22.6 67.7
148 64.4 31.9 95.7

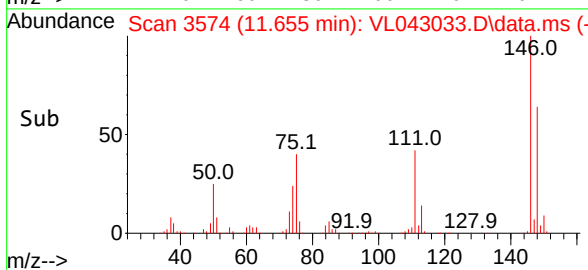
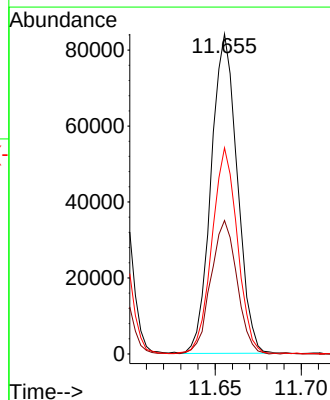
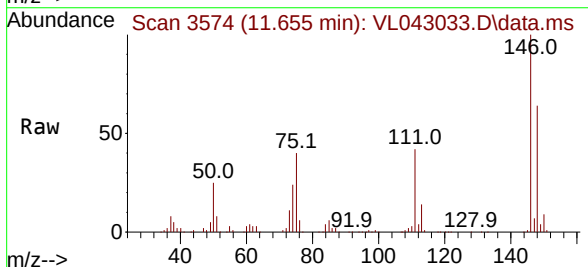
Manual Integrations
APPROVED

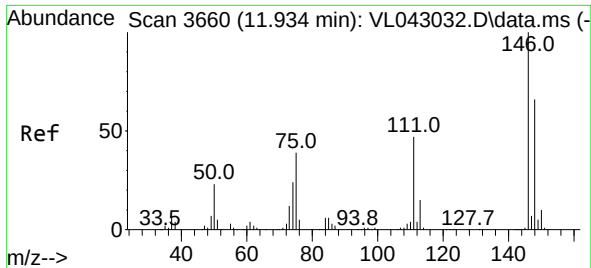
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#76
1,4-Dichlorobenzene
Concen: 2.110 ppbv
RT: 11.655 min Scan# 3574
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

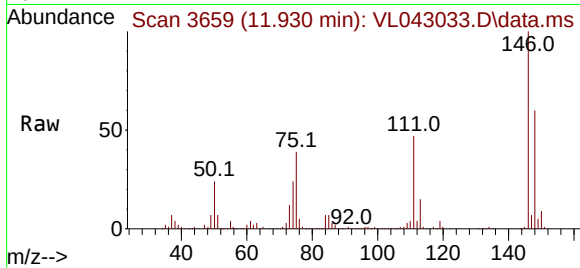
Tgt Ion:146 Resp: 88602
Ion Ratio Lower Upper
146 100
111 42.0 21.7 65.1
148 63.4 32.1 96.3





#77
1,2-Dichlorobenzene
Concen: 2.115 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57

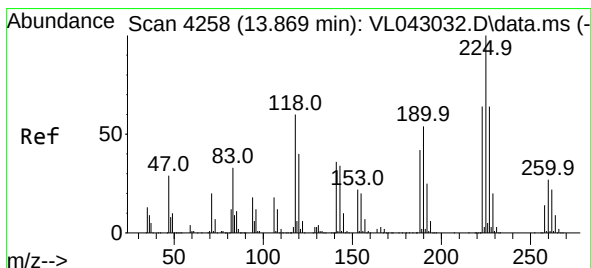
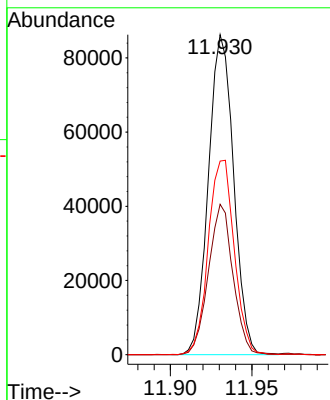
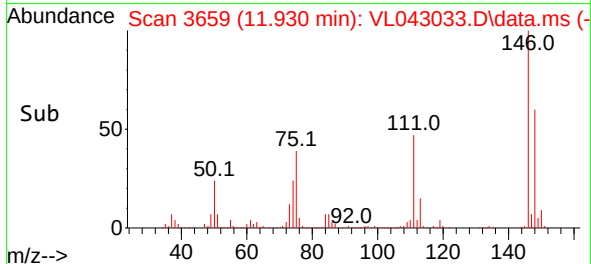
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



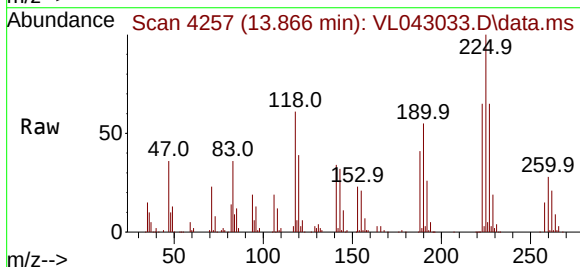
Tgt Ion:146 Resp: 92779
Ion Ratio Lower Upper
146 100
111 45.9 23.2 69.5
148 62.9 31.9 95.7

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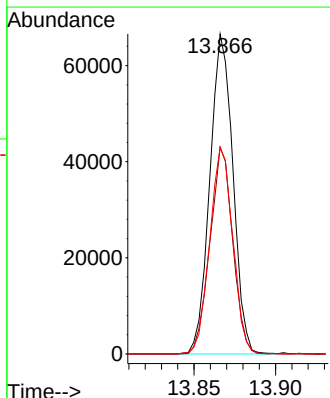
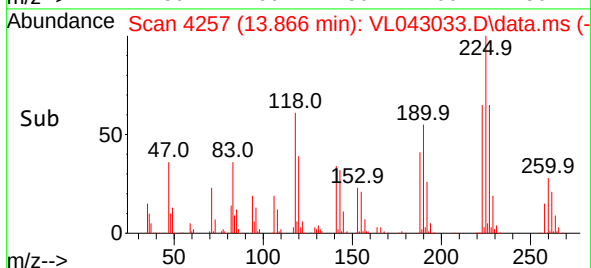
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

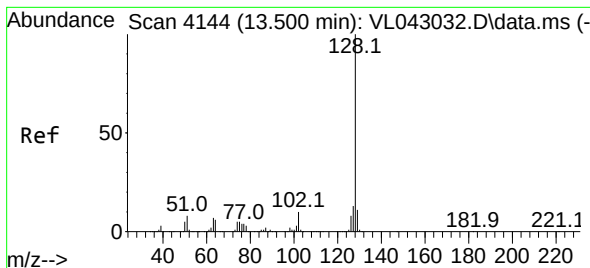


#78
Hexachloro-1,3-Butadiene
Concen: 2.140 ppbv
RT: 13.866 min Scan# 4257
Delta R.T. -0.003 min
Lab File: VL043033.D
Acq: 02 Oct 2025 10:57



Tgt Ion:225 Resp: 65408
Ion Ratio Lower Upper
225 100
223 63.5 50.9 76.3
227 64.6 50.9 76.3





#79

Naphthalene

Concen: 2.006 ppbv

RT: 13.500 min Scan# 4144

Delta R.T. 0.000 min

Lab File: VL043033.D

Acq: 02 Oct 2025 10:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

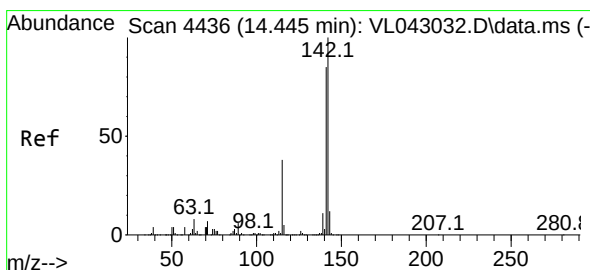
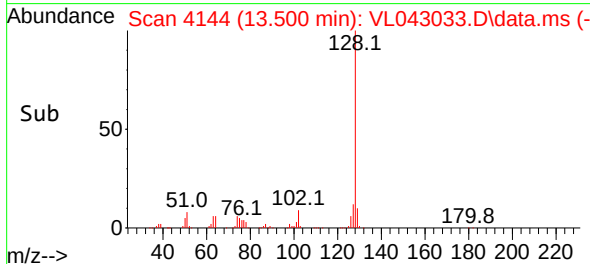
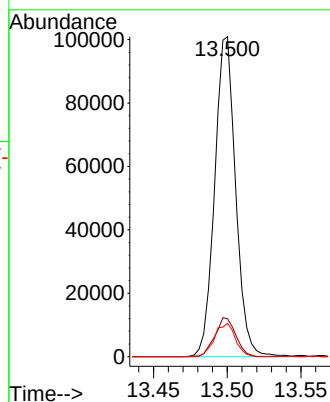
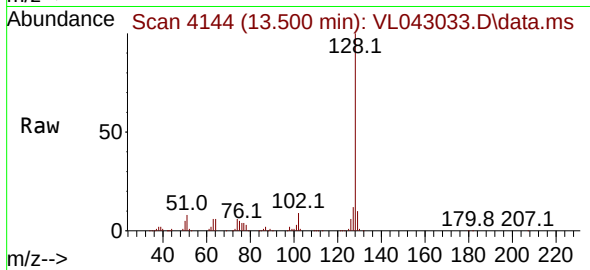
Tgt Ion:128 Resp: 9979

Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.6	16.0
129	10.4	8.8	13.2

Manual Integrations

APPROVED

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



#80

Naphthalene,2-methyl-

Concen: 1.530 ppbv

RT: 14.445 min Scan# 4436

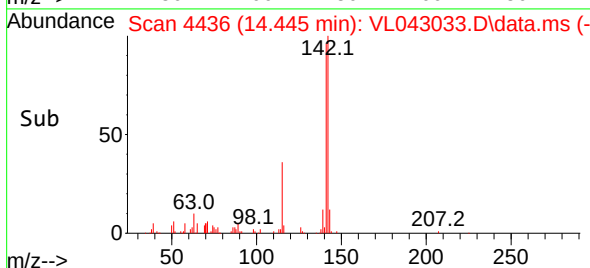
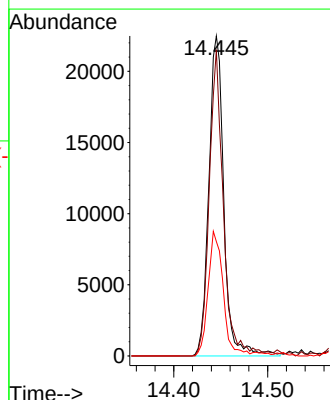
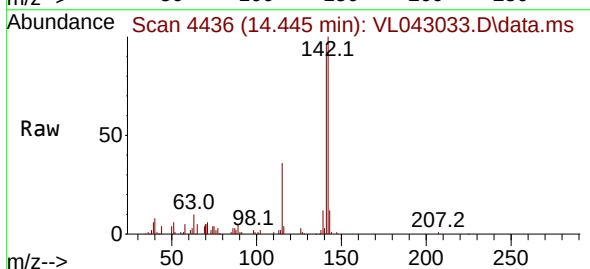
Delta R.T. 0.000 min

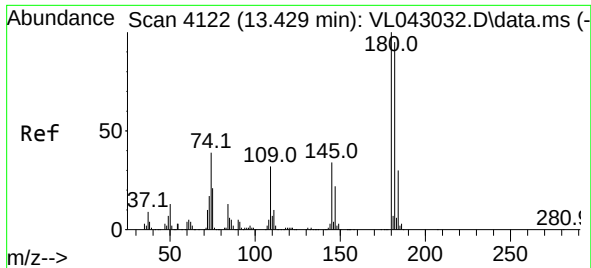
Lab File: VL043033.D

Acq: 02 Oct 2025 10:57

Tgt Ion:142 Resp: 24913

Ion	Ratio	Lower	Upper
142	100		
141	91.7	66.6	100.0
115	40.8	30.1	45.1





#81

1,2,4-Trichlorobenzene

Concen: 2.158 ppbv

RT: 13.426 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL043033.D

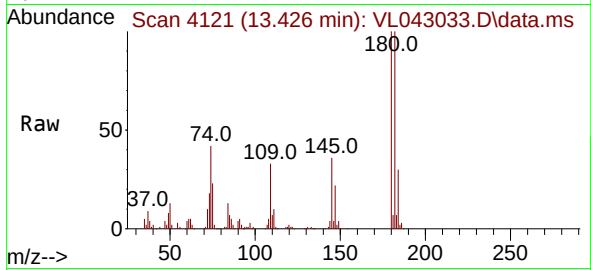
Acq: 02 Oct 2025 10:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002



Tgt Ion:180 Resp: 5631

Ion Ratio Lower Upper

180 100

182 94.9 76.9 115.3

184 29.8 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025

Supervised By :Mahesh Dadoda 10/10/2025

