

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL093025\
 Data File : VL043019.D
 Acq On : 30 Sep 2025 09:38
 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 10/01/2025
 Supervised By : Mahesh Dadoda 10/03/2025

Quant Time: Sep 30 23:56:15 2025

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

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

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

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	152050	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	480179	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	428646	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 320421 9.868 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	53092	2.018	ppbv	99
3) Chlorodifluoromethane	1.479	51	56363	2.012	ppbv	99
4) Chloromethane	1.534	50	19331	1.935	ppbv	98
5) Vinyl Chloride	1.583	62	17208	1.776	ppbv	97
6) Bromomethane	1.670	94	7006	2.001	ppbv	98
7) Chloroethane	1.706	64	7615	1.969	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	42372	1.975	ppbv	100
9) Propene	1.486	41	22027	2.021	ppbv	100
10) Heptane	4.985	43	57002	2.028	ppbv	100
11) Trichlorofluoromethane	1.881	101	53176	2.005	ppbv	93
12) 1,1,2-Trichlorotrifluo...	2.143	101	41847	1.991	ppbv	97
13) Ethanol	1.722	45	2655	2.294	ppbv	80
14) Bromoethene	1.784	108	15262	1.949	ppbv	93
15) Acetone	1.839	43	45297	2.089	ppbv	97
16) 1,3-Butadiene	1.612	39	17879	1.948	ppbv	95
17) tert-Butyl alcohol	2.042	59	45746	1.888	ppbv	95
18) 1,1-Dichloroethene	2.036	96	18303	1.937	ppbv	93
19) Isopropyl Alcohol	1.887	45	24252	1.902	ppbv #	37
20) Methylene Chloride	2.065	84	22286	2.092	ppbv	94
21) Allyl Chloride	2.097	41	29148	1.987	ppbv	99
22) trans-1,2-Dichloroethene	2.343	96	21421	2.002	ppbv	99
23) Vinyl Acetate	2.463	43	65553	2.189	ppbv	99
24) 1,1-Dichloroethane	2.411	63	41010	2.037	ppbv	99
25) Ethyl Acetate	2.839	43	110966	2.006	ppbv	100
26) Hexane	2.829	57	55431	1.927	ppbv	95
27) Carbon Disulfide	2.152	76	50765	2.007	ppbv #	88
28) Methyl tert-Butyl Ether	2.444	73	31603	2.244	ppbv	96
29) Chloroform	2.852	83	72322	2.021	ppbv	99
30) Cyclohexane	3.861	84	39359	1.987	ppbv	96
31) cis-1,2-Dichloroethene	2.722	61	47131	2.018	ppbv	99
32) 1,1,1-Trichloroethane	3.373	97	71075	1.960	ppbv	99
34) 2-Butanone	2.560	43	68751	2.033	ppbv	98
35) Carbon Tetrachloride	3.768	117	72749	1.867	ppbv	94
36) Benzene	3.658	78	96787	2.011	ppbv	100
37) 1,2-Dichloroethane	3.221	62	55324	2.012	ppbv	100
38) Trichloroethene	4.554	130	48440	1.964	ppbv	91
39) 1,2-Dichloropropane	4.315	63	34783	1.968	ppbv	97
40) 1,4-Dioxane	4.596	88	14944m	1.994	ppbv	
41) Tetrahydrofuran	3.059	42	35867	1.992	ppbv	97
42) Bromodichloromethane	4.493	83	75477	1.976	ppbv	98
43) Methyl Methacrylate	4.884	69	32929	1.947	ppbv	97
44) 2,2,4-Trimethylpentane	4.645	57	161104	2.035	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	38267m	1.990	ppbv	

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

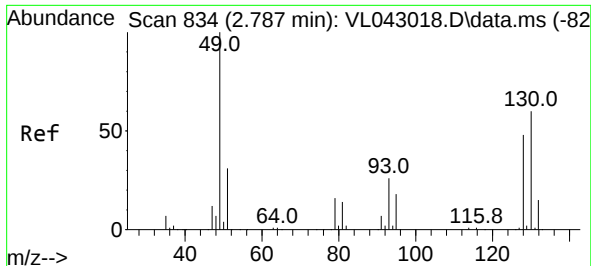
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

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

Response via : Initial Calibration

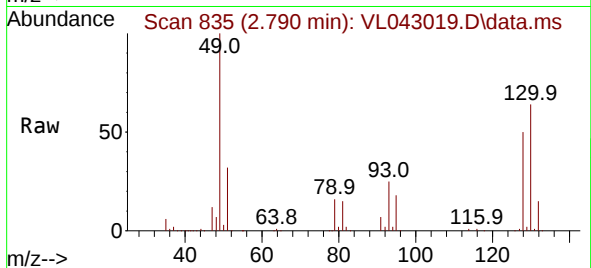
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	49451	1.972	ppbv	95
47) 1,1,2-Trichloroethane	6.587	97	38043	2.029	ppbv	95
48) Dibromochloromethane	7.389	129	63863	1.976	ppbv	99
49) Bromoform	9.487	173	54296	1.980	ppbv	99
50) 4-Methyl-2-Pentanone	5.761	43	84228	1.952	ppbv	99
51) 2-Hexanone	7.444	43	61792	1.944	ppbv #	100
52) Tetrachloroethene	8.231	164	36361	1.895	ppbv	90
53) Toluene	6.936	91	106255	1.980	ppbv	99
54) 1,2-Dibromoethane	7.655	107	52700	2.015	ppbv	93
56) 1,1,1,2-Tetrachloroethane	8.930	131	48760	2.007	ppbv	98
57) Chlorobenzene	8.924	112	88915	2.012	ppbv	98
58) Ethyl Benzene	9.357	91	146404	2.015	ppbv	100
59) m/p-Xylene	9.555	91	240698m	4.117	ppbv	
60) o-Xylene	9.966	91	120173	2.068	ppbv	100
61) Styrene	9.875	104	46897	1.907	ppbv	98
62) Isopropylbenzene	10.542	105	175973	2.034	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	62581	2.007	ppbv	98
64) n-propylbenzene	10.992	120	46617	2.068	ppbv	98
65) tert-Butylbenzene	11.532	119	164700	2.102	ppbv	100
66) Benzyl Chloride	11.616	91	11629	1.861	ppbv	98
67) sec-Butylbenzene	11.769	105	229465	2.100	ppbv	98
69) p-Isopropyltoluene	11.927	119	190819	2.097	ppbv	100
70) n-Butylbenzene	12.283	91	187543	2.134	ppbv	98
71) 2-Chlorotoluene	10.904	91	131720	2.041	ppbv	99
72) 4-Ethyltoluene	11.128	105	146794	2.054	ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	123402	2.048	ppbv	98
74) 1,2,4-Trimethylbenzene	11.539	105	143706	2.112	ppbv	97
75) 1,3-Dichlorobenzene	11.610	146	89223	2.053	ppbv	99
76) 1,4-Dichlorobenzene	11.671	146	87198	2.053	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	88111	2.076	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	71270	2.100	ppbv	98
79) Naphthalene	13.513	128	130088	2.424	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	28131	2.026	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	71749	2.204	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 834
Delta R.T. 0.003 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

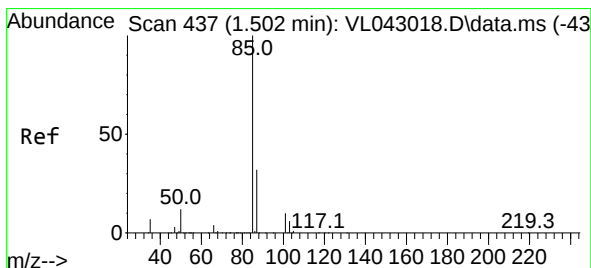
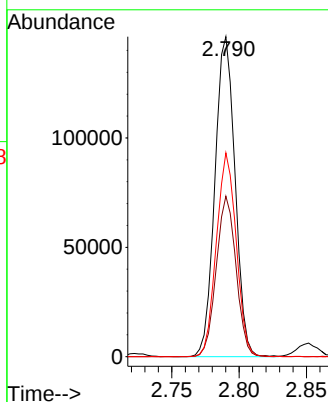
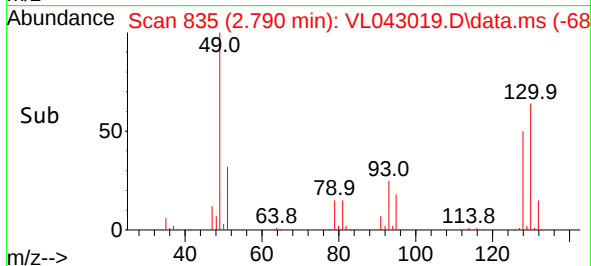
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 49 Resp: 152050
Ion Ratio Lower Upper
49 100
128 49.3 25.2 75.6
130 62.8 31.6 94.7

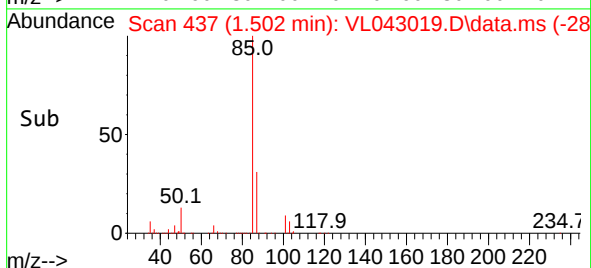
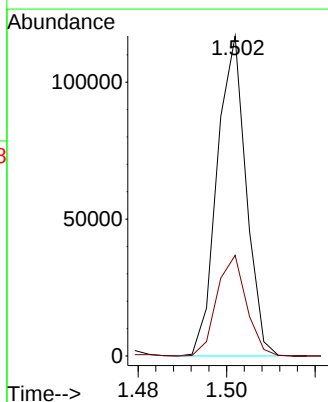
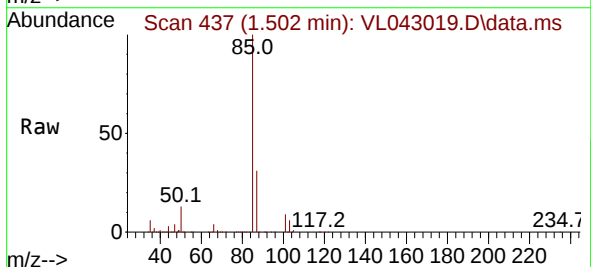
Manual Integrations
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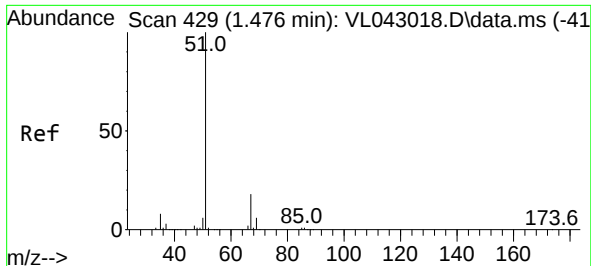
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#2
Dichlorodifluoromethane
Concen: 2.018 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

Tgt Ion: 85 Resp: 53092
Ion Ratio Lower Upper
85 100
87 31.4 25.8 38.6





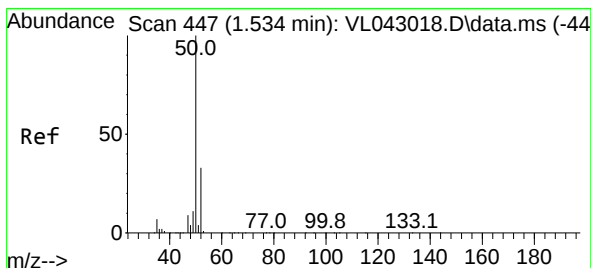
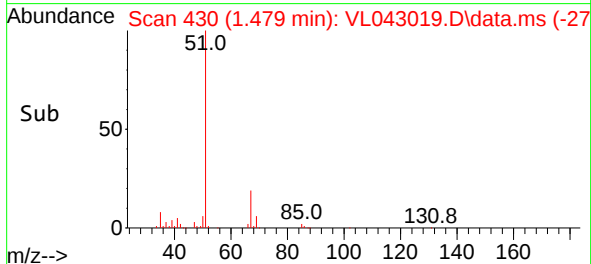
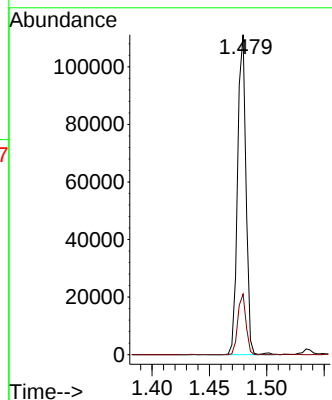
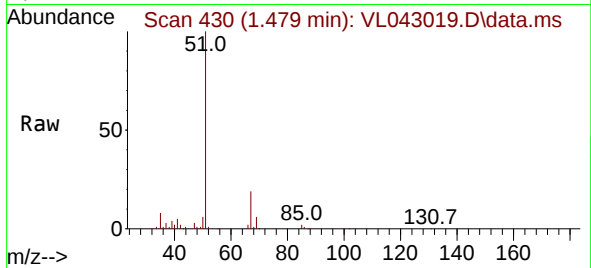
#3
Chlorodifluoromethane
Concen: 2.012 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 51 Resp: 5636
Ion Ratio Lower Upper
51 100
67 18.4 15.1 22.7

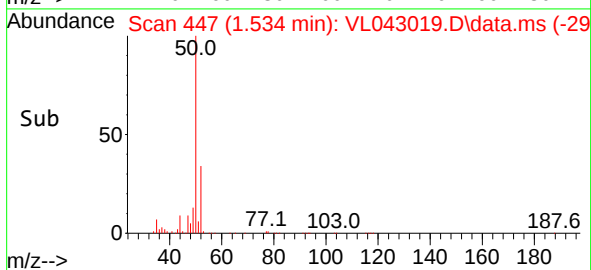
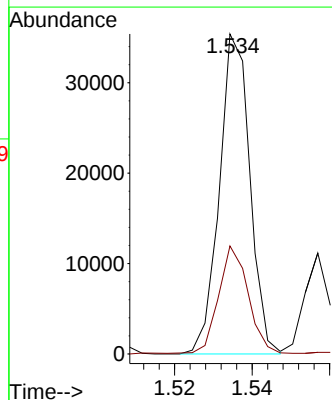
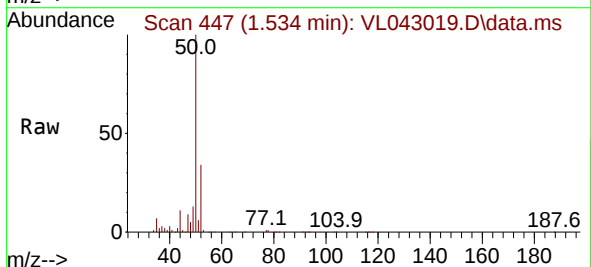
Manual Integrations
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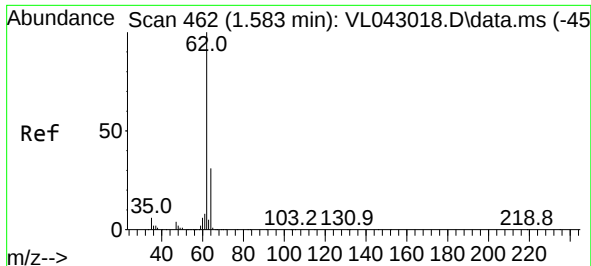
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#4
Chloromethane
Concen: 1.935 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

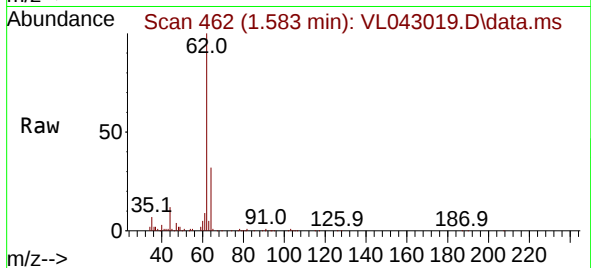
Tgt Ion: 50 Resp: 19331
Ion Ratio Lower Upper
50 100
52 33.5 26.0 39.0





#5
 Vinyl Chloride
 Concen: 1.776 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL043019.D
 Acq: 30 Sep 2025 09:38

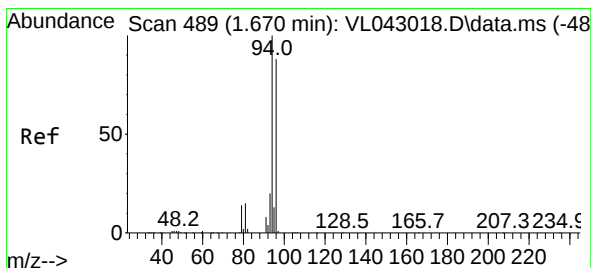
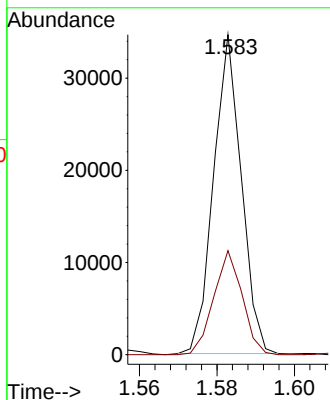
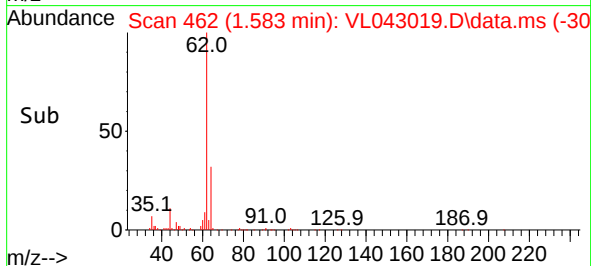
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion: 62 Resp: 17208
 Ion Ratio Lower Upper
 62 100
 64 32.6 24.6 37.0

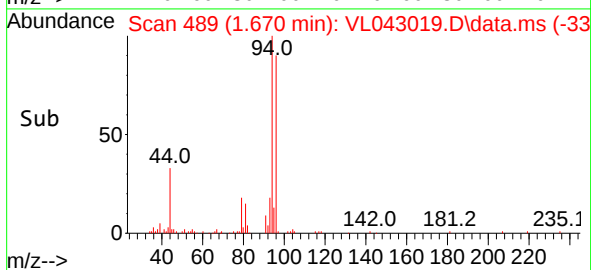
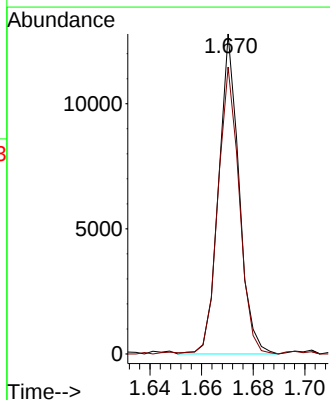
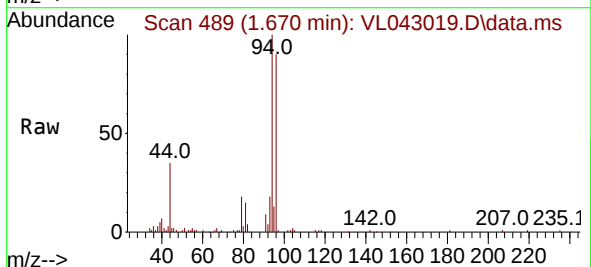
Manual Integrations
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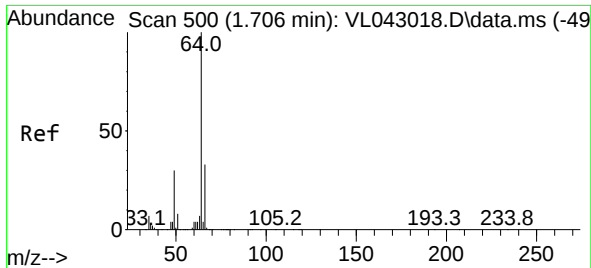
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025



#6
 Bromomethane
 Concen: 2.001 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL043019.D
 Acq: 30 Sep 2025 09:38

Tgt Ion: 94 Resp: 7006
 Ion Ratio Lower Upper
 94 100
 96 89.7 70.5 105.7





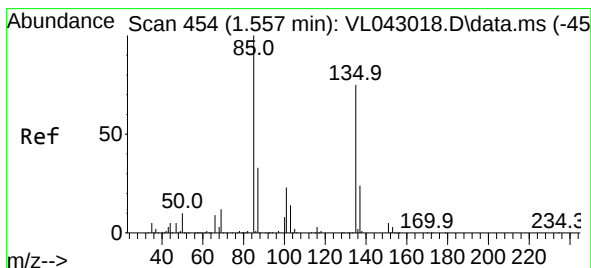
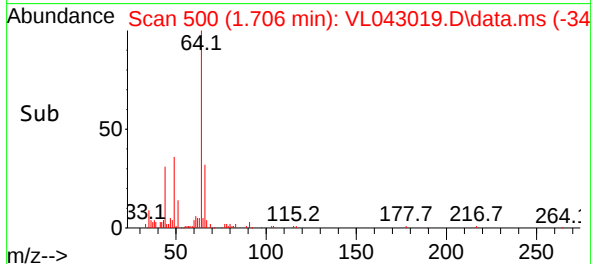
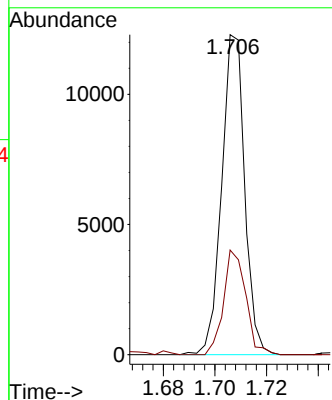
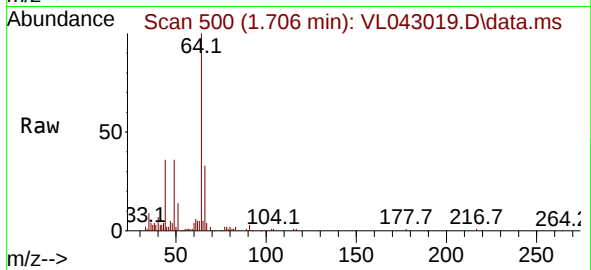
#7
Chloroethane
Concen: 1.969 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 761
Ion Ratio Lower Upper
64 100
66 32.7 26.0 39.0

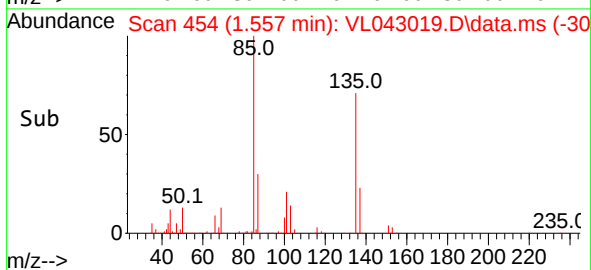
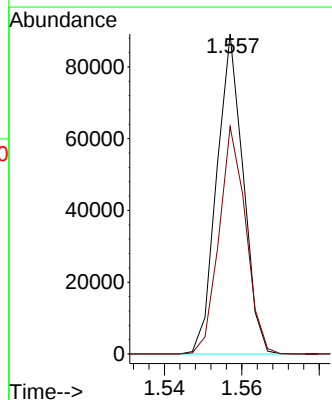
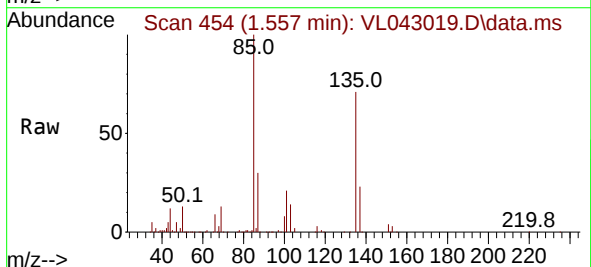
Manual Integrations
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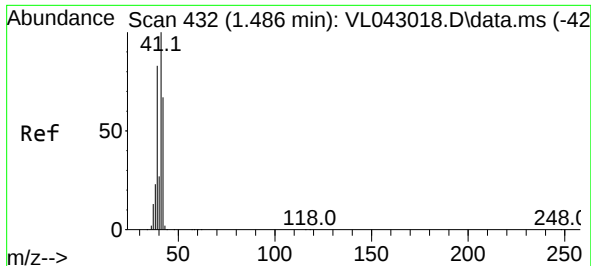
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#8
Dichlorotetrafluoroethane
Concen: 1.975 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

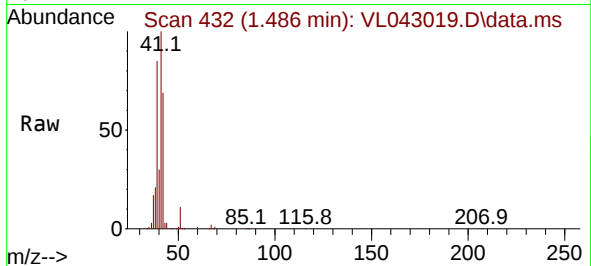
Tgt Ion: 85 Resp: 42372
Ion Ratio Lower Upper
85 100
135 71.7 57.4 86.0





#9
 Propene
 Concen: 2.021 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL043019.D
 Acq: 30 Sep 2025 09:38

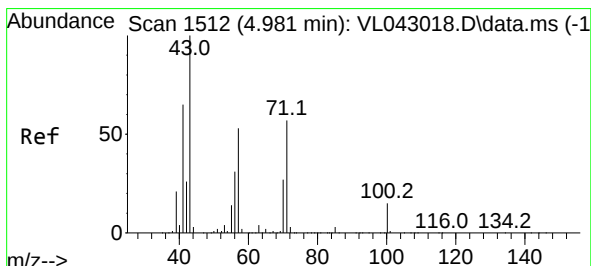
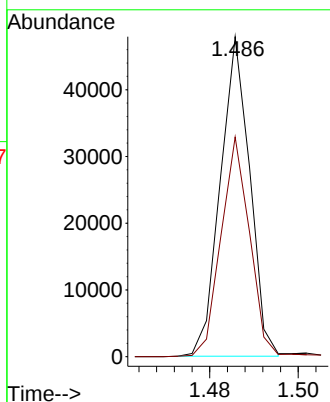
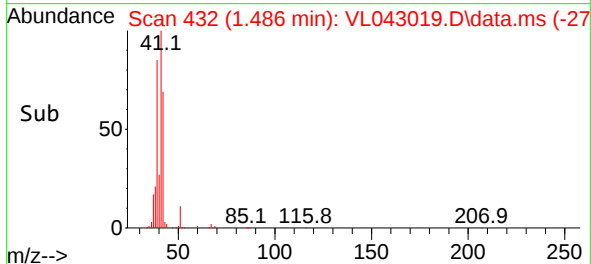
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



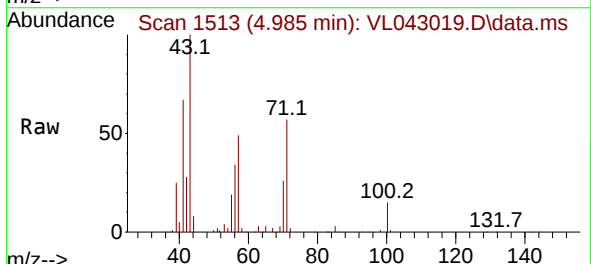
Tgt Ion: 41 Resp: 2202
 Ion Ratio Lower Upper
 41 100
 42 68.0 54.2 81.2

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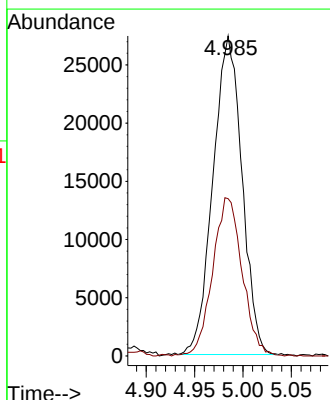
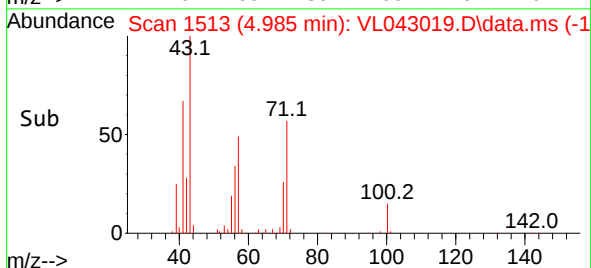
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025

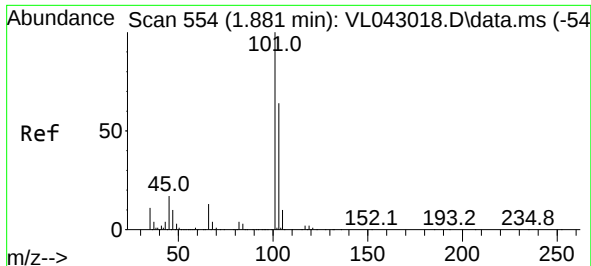


#10
 Heptane
 Concen: 2.028 ppbv
 RT: 4.985 min Scan# 1513
 Delta R.T. 0.003 min
 Lab File: VL043019.D
 Acq: 30 Sep 2025 09:38



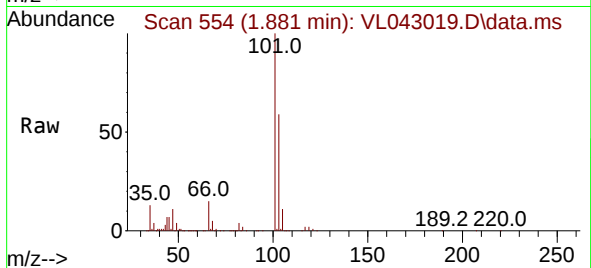
Tgt Ion: 43 Resp: 57002
 Ion Ratio Lower Upper
 43 100
 57 50.7 40.5 60.7





#11
 Trichlorofluoromethane
 Concen: 2.005 ppbv
 RT: 1.881 min Scan# 554
 Delta R.T. -0.000 min
 Lab File: VL043019.D
 Acq: 30 Sep 2025 09:38

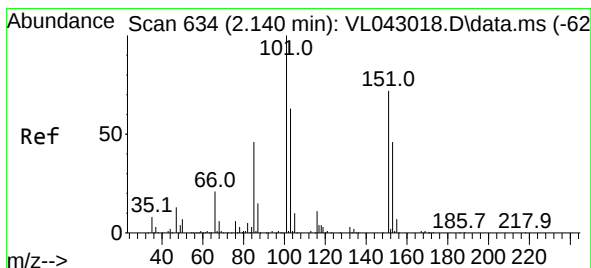
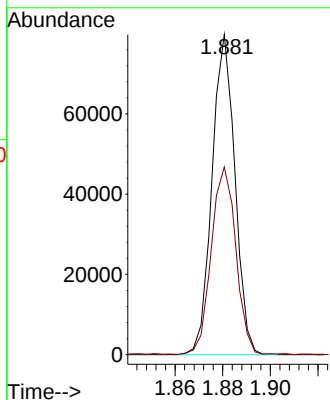
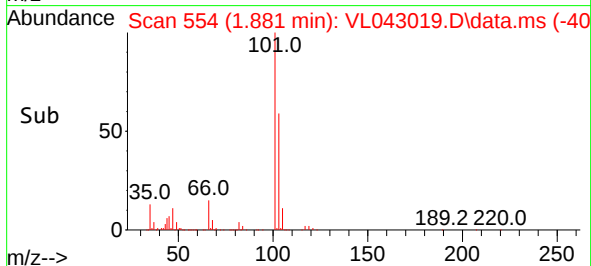
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



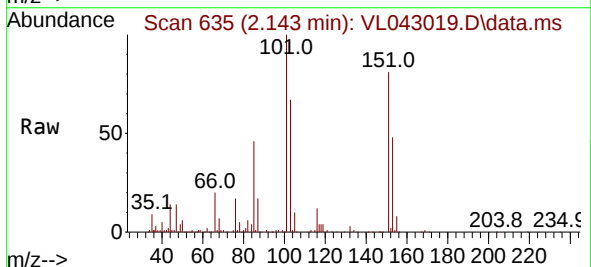
Tgt Ion:101 Resp: 53170
 Ion Ratio Lower Upper
 101 100
 103 58.5 51.4 77.0

Manual Integrations
 APPROVED

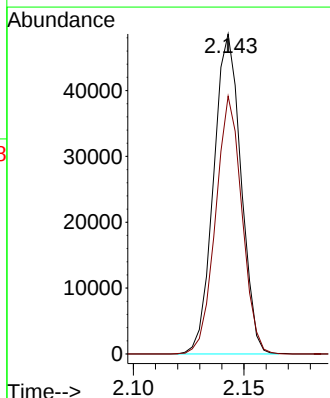
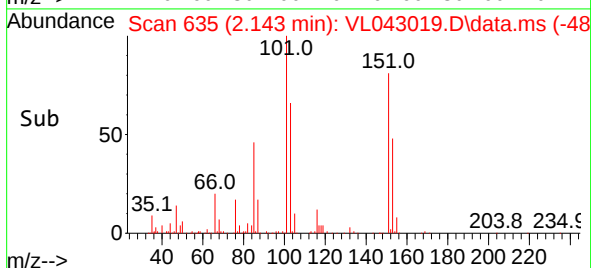
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025

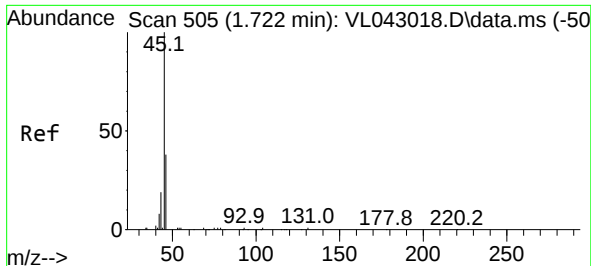


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.991 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.003 min
 Lab File: VL043019.D
 Acq: 30 Sep 2025 09:38



Tgt Ion:101 Resp: 41847
 Ion Ratio Lower Upper
 101 100
 151 77.5 60.2 90.4





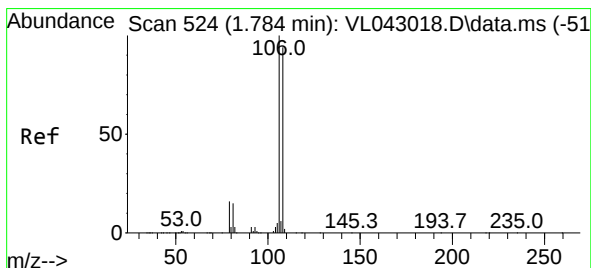
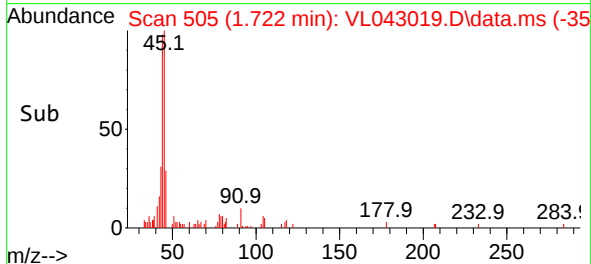
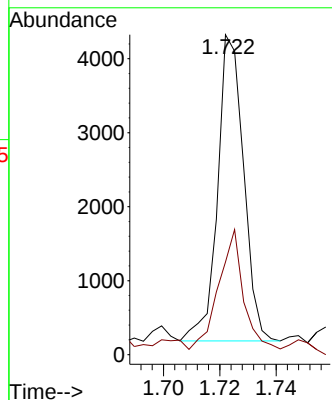
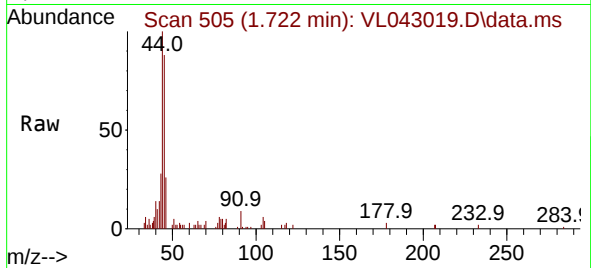
#13
Ethanol
Concen: 2.294 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 265
Ion Ratio Lower Upper
45 100
46 53.0 16.2 64.8

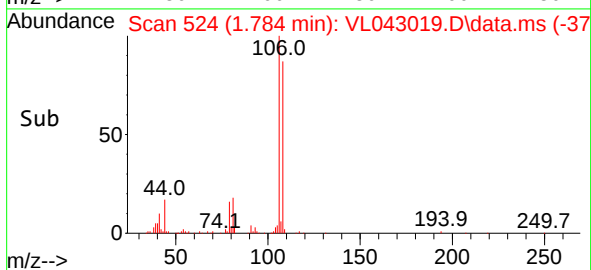
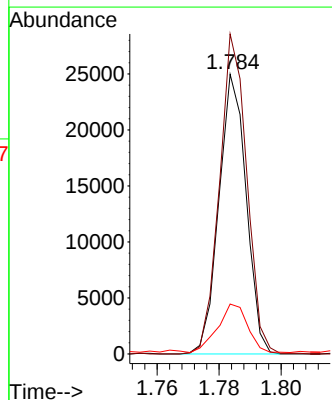
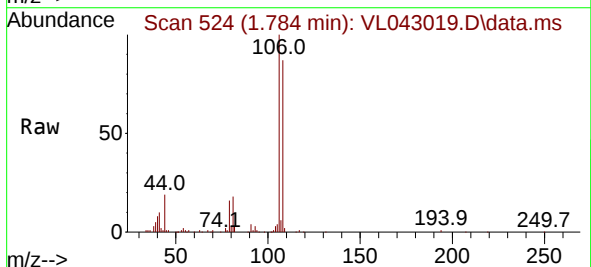
Manual Integrations
APPROVED

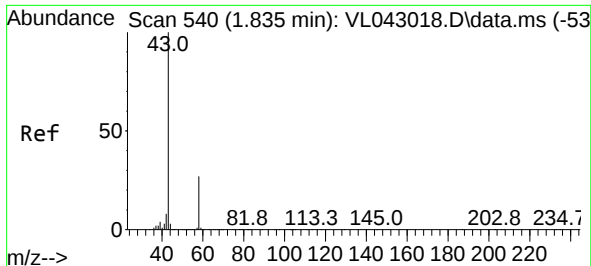
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#14
Bromoethene
Concen: 1.949 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

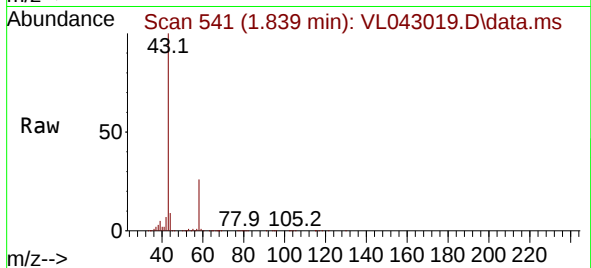
Tgt Ion:108 Resp: 15262
Ion Ratio Lower Upper
108 100
106 114.5 85.4 128.0
79 18.9 13.8 20.8





#15
Acetone
Concen: 2.089 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

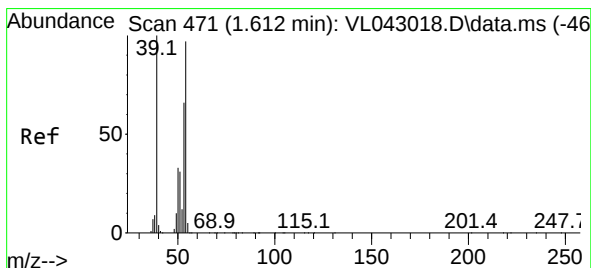
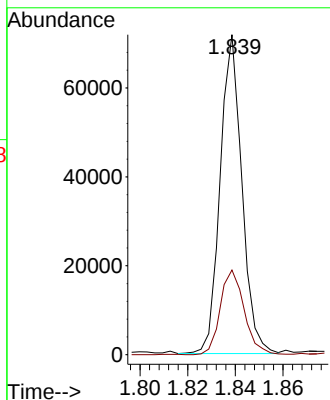
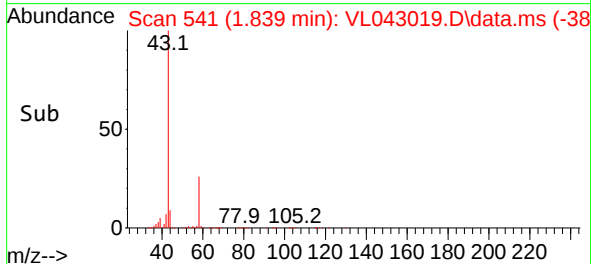
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 43 Resp: 4529
Ion Ratio Lower Upper
43 100
58 29.9 22.8 34.2

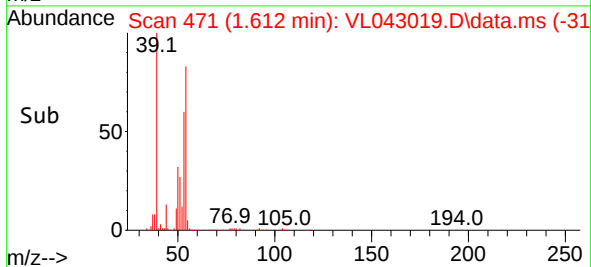
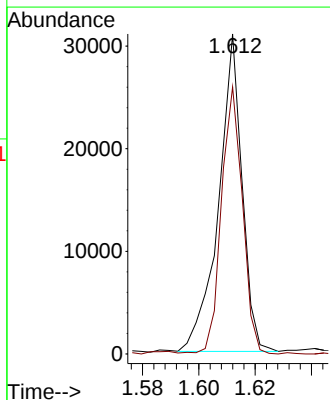
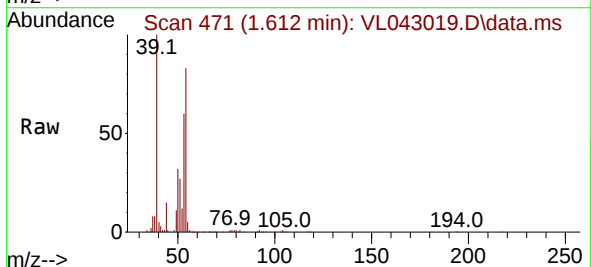
Manual Integrations
APPROVED

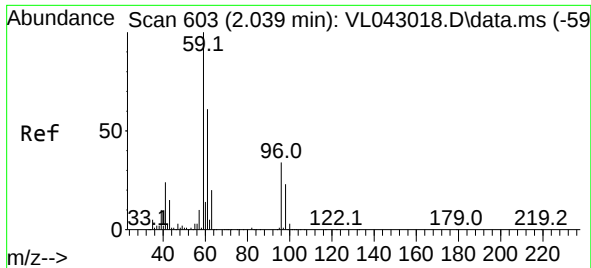
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#16
1,3-Butadiene
Concen: 1.948 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

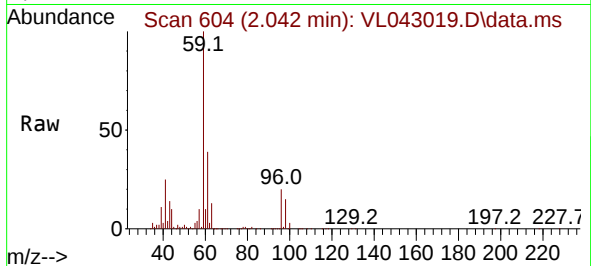
Tgt Ion: 39 Resp: 17879
Ion Ratio Lower Upper
39 100
54 77.5 65.4 98.2





#17
tert-Butyl alcohol
Concen: 1.888 ppbv
RT: 2.042 min Scan# 604
Delta R.T. 0.003 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

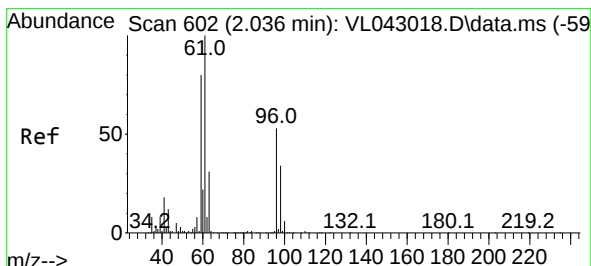
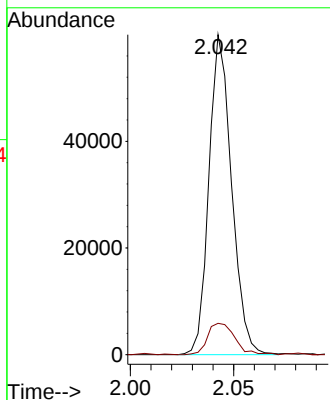
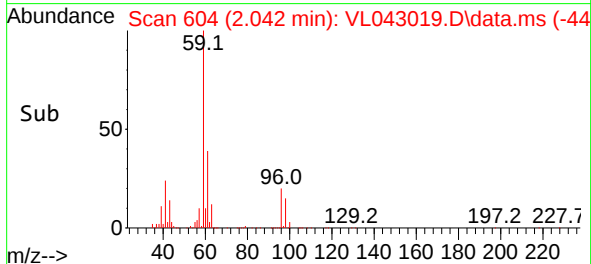
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



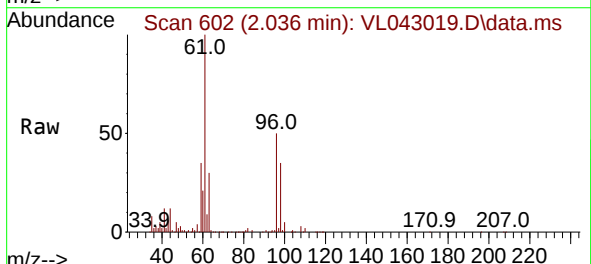
Tgt Ion: 59 Resp: 45740
Ion Ratio Lower Upper
59 100
57 12.3 8.4 12.6

Manual Integrations
APPROVED

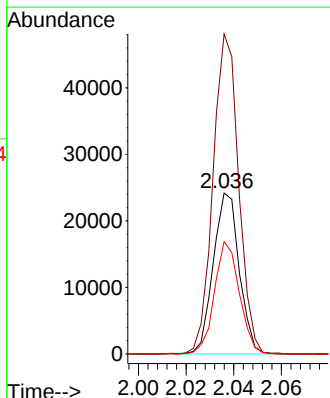
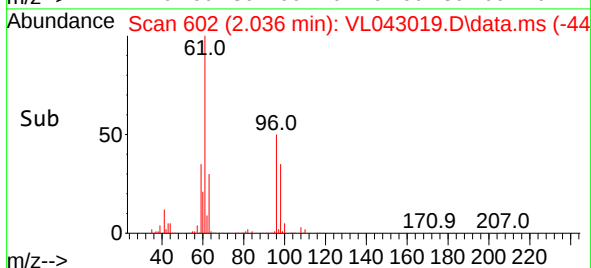
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

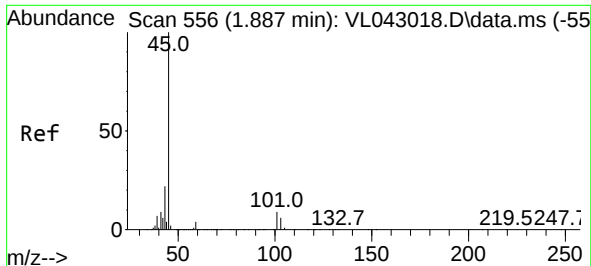


#18
1,1-Dichloroethene
Concen: 1.937 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38



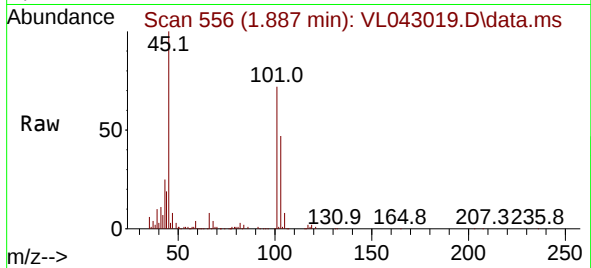
Tgt Ion: 96 Resp: 18303
Ion Ratio Lower Upper
96 100
61 198.8 151.4 227.0
98 69.8 51.5 77.3





#19
Isopropyl Alcohol
Concen: 1.902 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

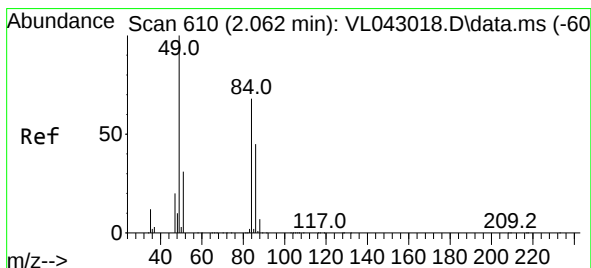
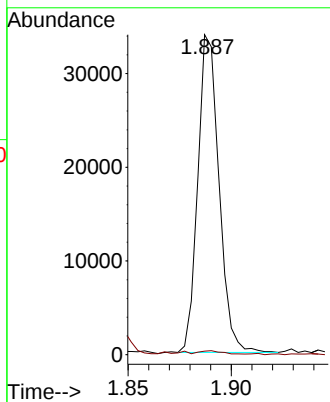
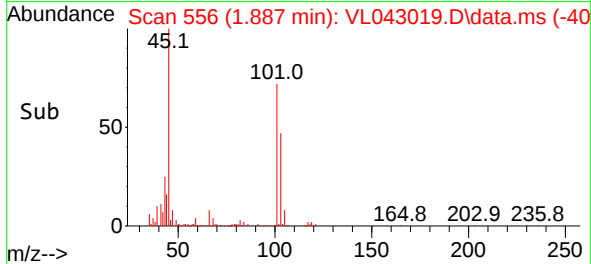
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



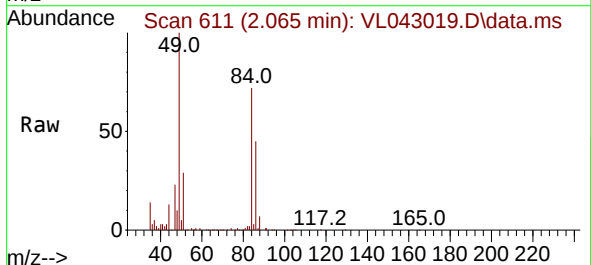
Tgt Ion: 45 Resp: 2425
Ion Ratio Lower Upper
45 100
58 2.5 33.9 50.9

Manual Integrations
APPROVED

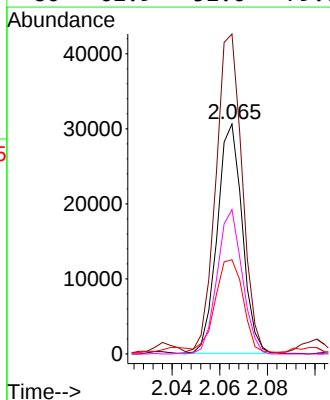
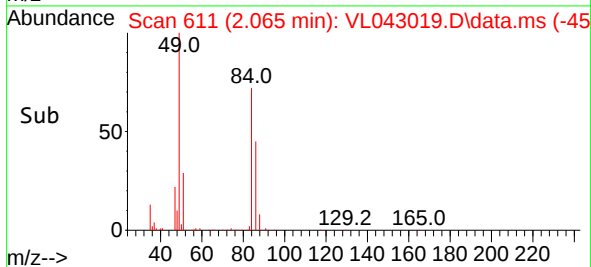
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

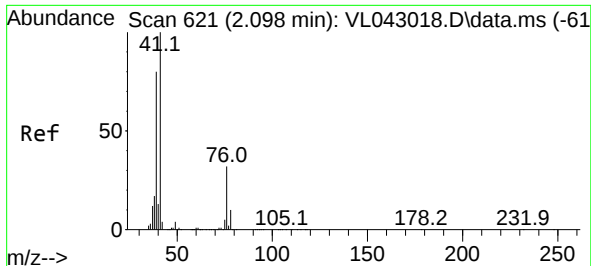


#20
Methylene Chloride
Concen: 2.092 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38



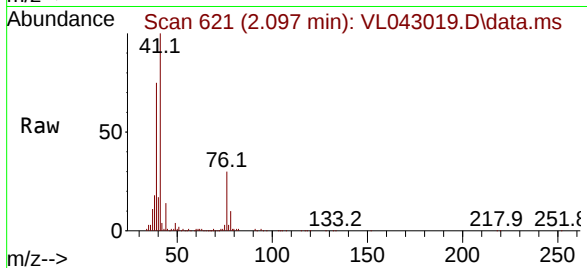
Tgt Ion: 84 Resp: 22286
Ion Ratio Lower Upper
84 100
49 138.8 117.4 176.2
51 40.6 37.4 56.0
86 62.9 52.6 79.0





#21
 Allyl Chloride
 Concen: 1.987 ppbv
 RT: 2.097 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL043019.D
 Acq: 30 Sep 2025 09:38

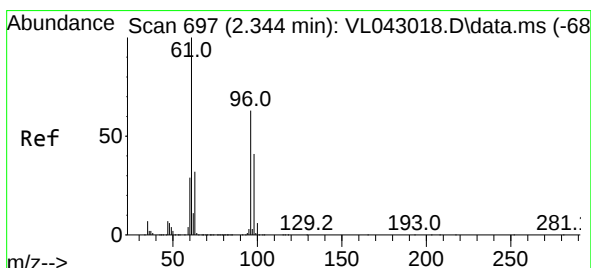
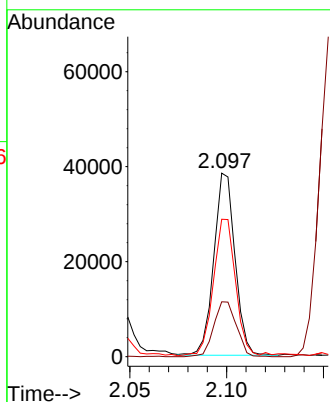
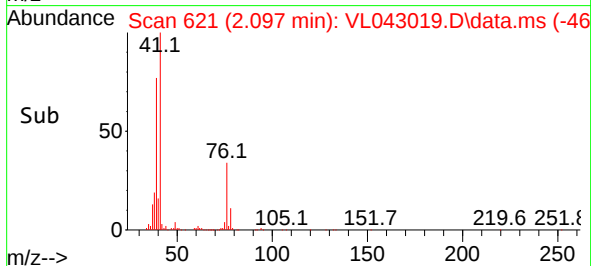
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



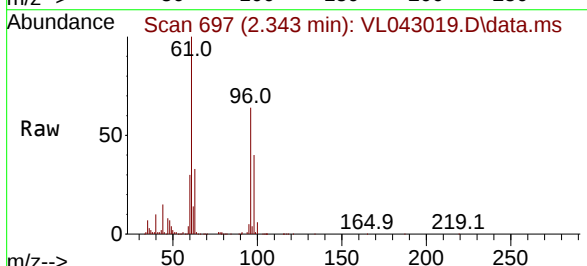
Tgt Ion: 41 Resp: 29148
 Ion Ratio Lower Upper
 41 100
 76 32.3 25.6 38.4
 39 79.5 62.6 94.0

Manual Integrations
 APPROVED

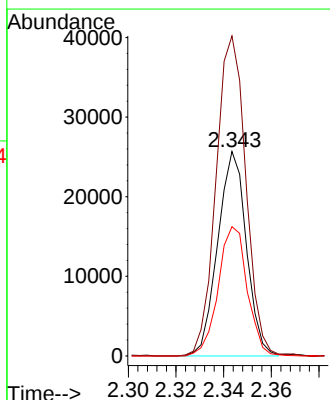
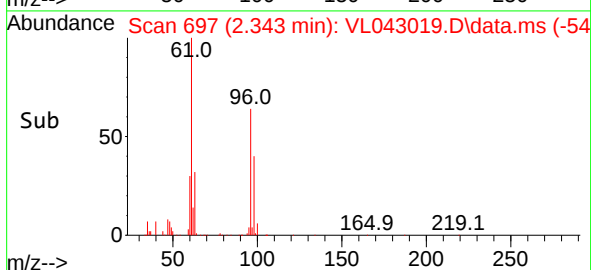
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025

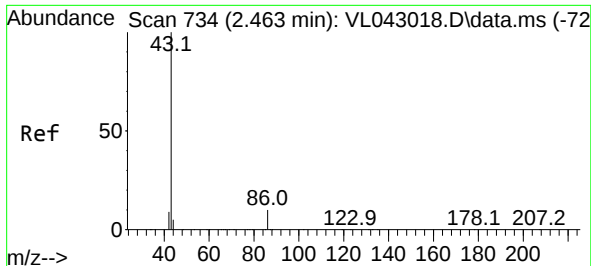


#22
 trans-1,2-Dichloroethene
 Concen: 2.002 ppbv
 RT: 2.343 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VL043019.D
 Acq: 30 Sep 2025 09:38



Tgt Ion: 96 Resp: 21421
 Ion Ratio Lower Upper
 96 100
 61 156.5 126.1 189.1
 98 63.2 51.3 76.9





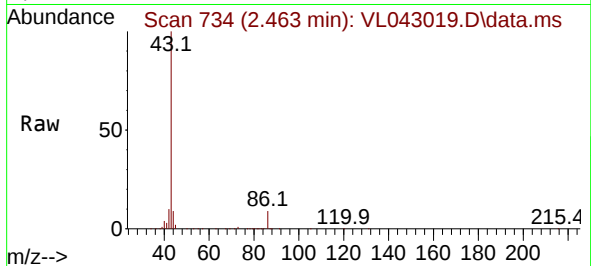
#23
 Vinyl Acetate
 Concen: 2.189 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL043019.D
 Acq: 30 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

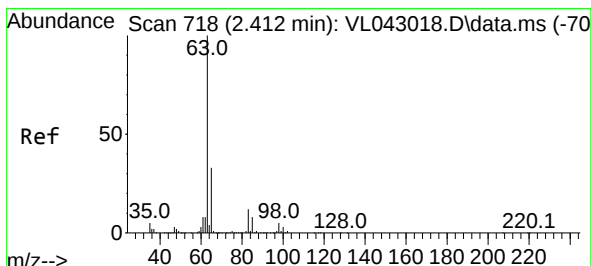
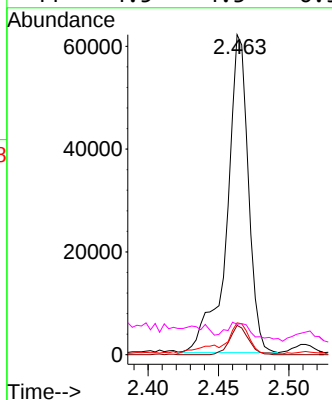
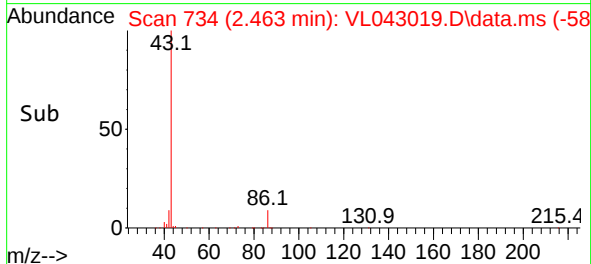


Tgt Ion: 43 Resp: 6555
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.1 10.7
 42 9.7 7.9 11.9
 44 4.5 4.3 6.5

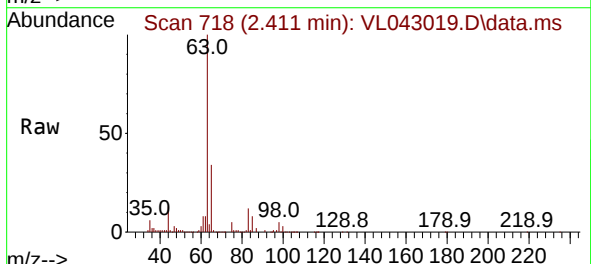
Manual Integrations

APPROVED

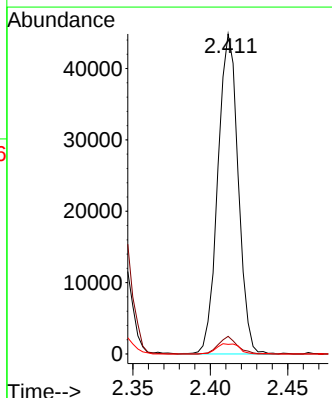
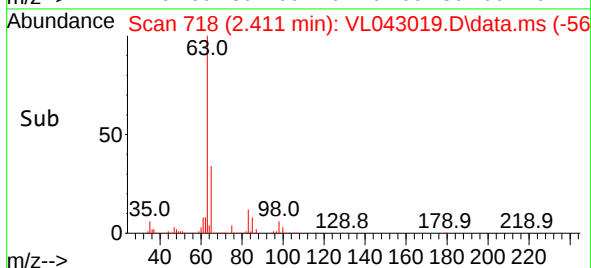
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025

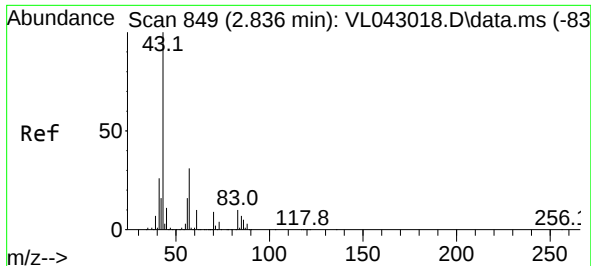


#24
 1,1-Dichloroethane
 Concen: 2.037 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL043019.D
 Acq: 30 Sep 2025 09:38



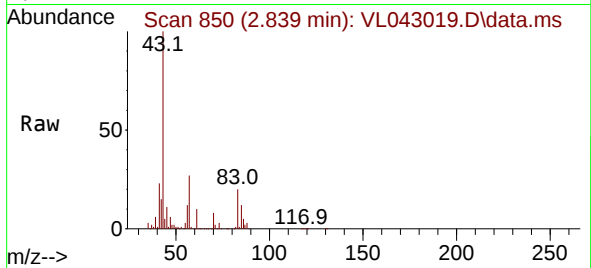
Tgt Ion: 63 Resp: 41010
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.4 7.2
 100 3.0 1.6 4.8





#25
Ethyl Acetate
Concen: 2.006 ppbv
RT: 2.839 min Scan# 849
Delta R.T. 0.003 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

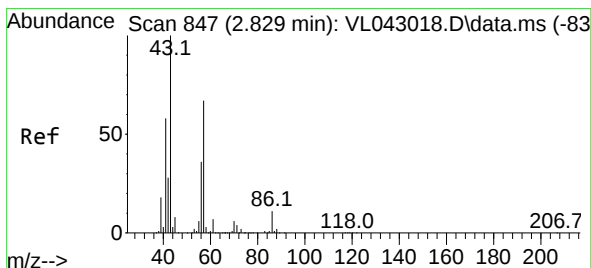
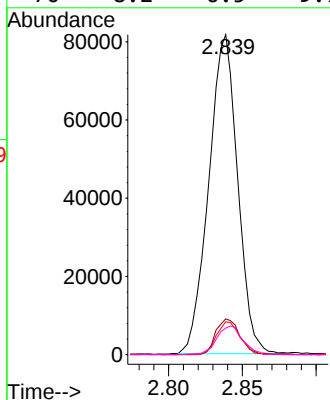
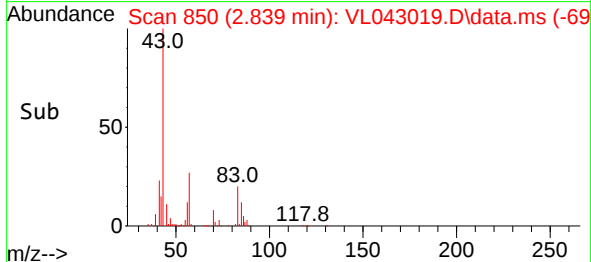
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



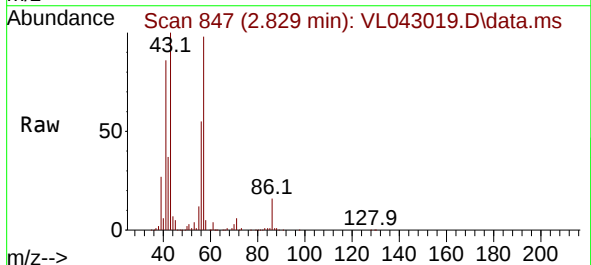
Tgt Ion: 43 Resp: 110960
Ion Ratio Lower Upper
43 100
45 9.6 7.8 11.6
61 8.5 7.0 10.4
70 8.2 6.5 9.7

Manual Integrations
APPROVED

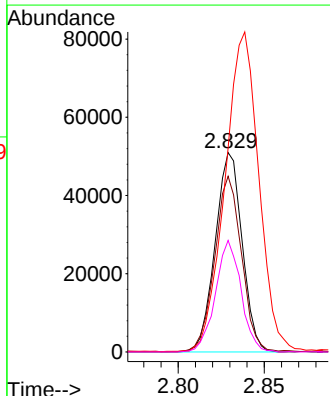
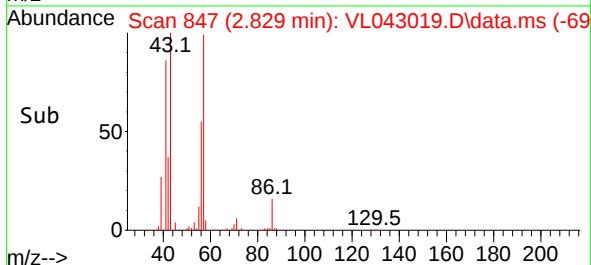
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

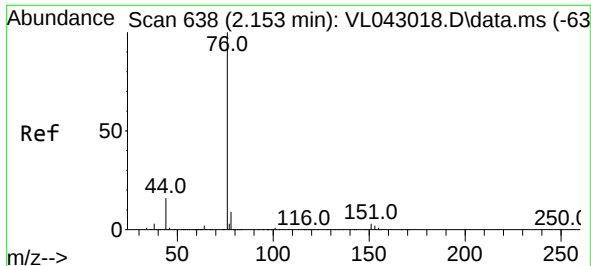


#26
Hexane
Concen: 1.927 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38



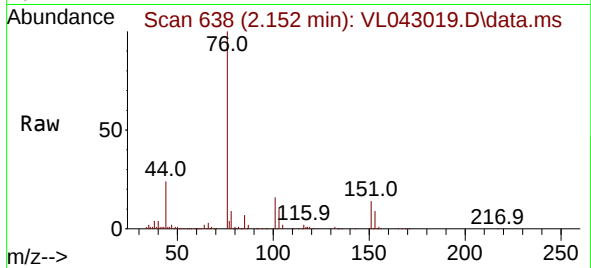
Tgt Ion: 57 Resp: 55431
Ion Ratio Lower Upper
57 100
41 89.6 70.3 105.5
43 203.2 172.1 258.1
56 53.3 42.3 63.5





#27
Carbon Disulfide
Concen: 2.007 ppbv
RT: 2.152 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

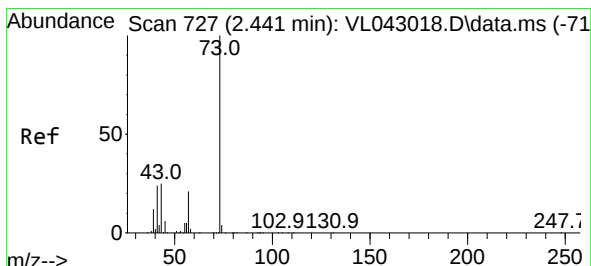
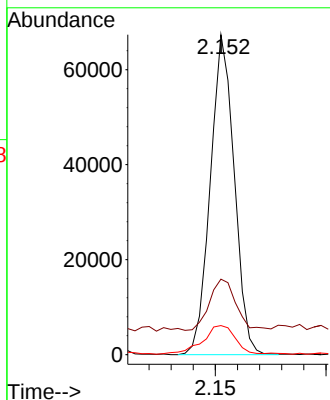
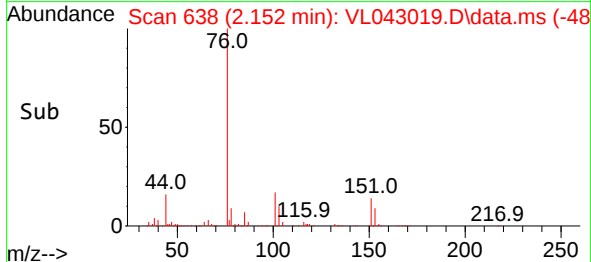
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



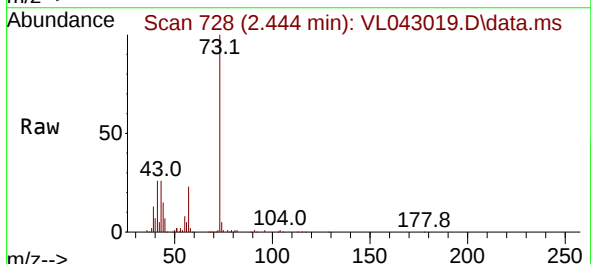
Tgt Ion: 76 Resp: 5076
Ion Ratio Lower Upper
76 100
44 26.9 14.6 21.8
78 11.7 9.4 14.2

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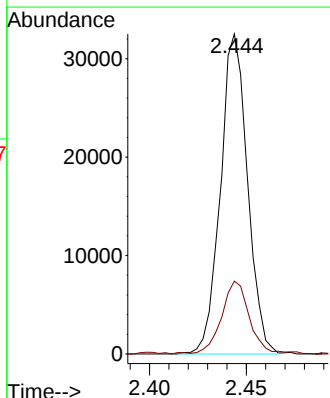
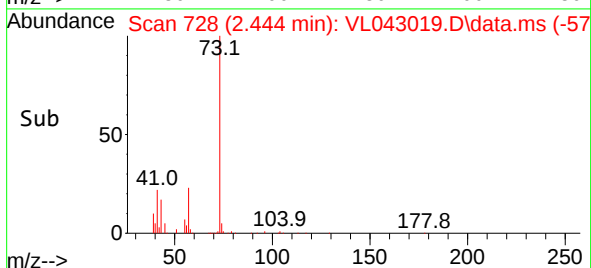
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

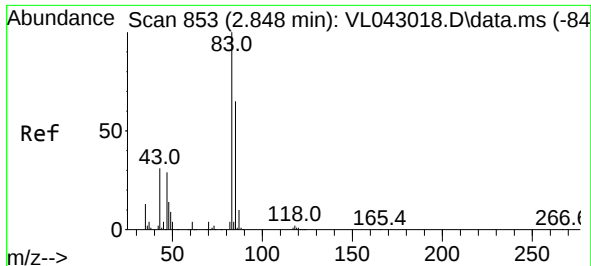


#28
Methyl tert-Butyl Ether
Concen: 2.244 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.003 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38



Tgt Ion: 73 Resp: 31603
Ion Ratio Lower Upper
73 100
57 24.1 17.7 26.5





#29

Chloroform

Concen: 2.021 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.003 min

Lab File: VL043019.D

Acq: 30 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 83 Resp: 7232

Ion Ratio Lower Upper

83 100

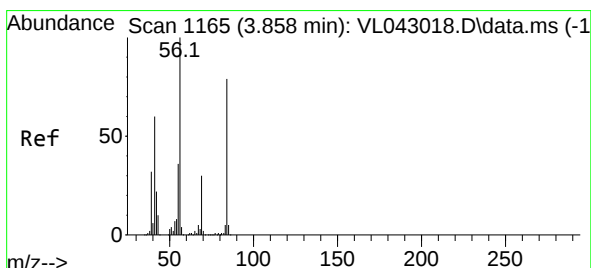
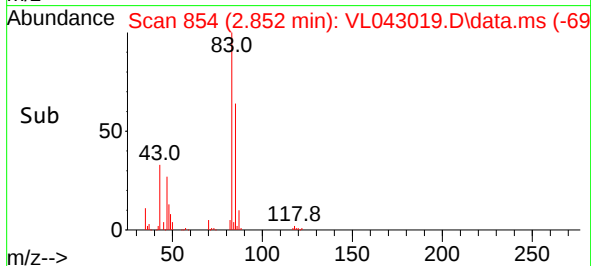
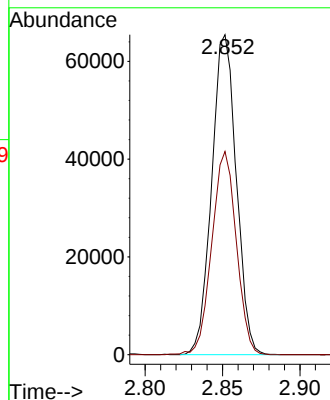
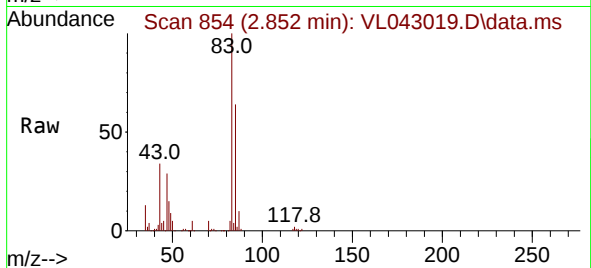
85 63.5 51.7 77.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#30

Cyclohexane

Concen: 1.987 ppbv

RT: 3.861 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VL043019.D

Acq: 30 Sep 2025 09:38

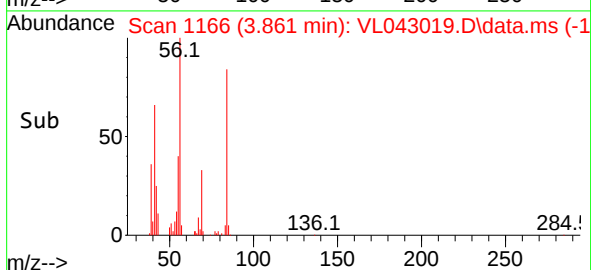
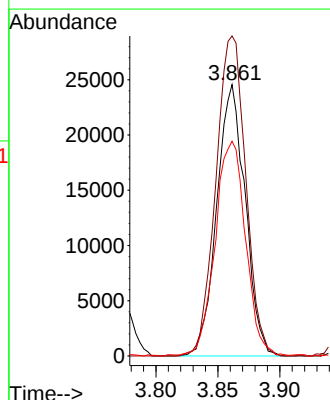
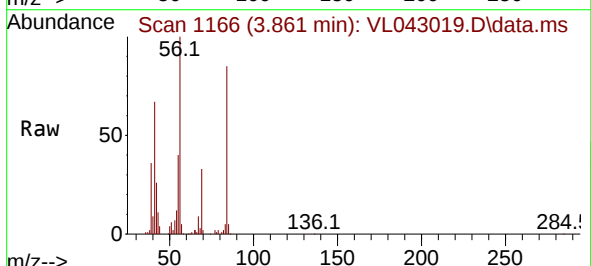
Tgt Ion: 84 Resp: 39359

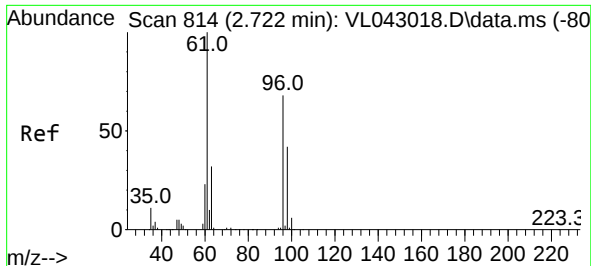
Ion Ratio Lower Upper

84 100

56 123.7 97.3 145.9

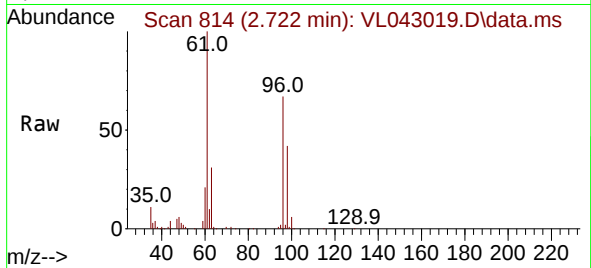
41 84.9 62.6 93.8





#31
 cis-1,2-Dichloroethene
 Concen: 2.018 ppbv
 RT: 2.722 min Scan# 814
 Delta R.T. -0.000 min
 Lab File: VL043019.D
 Acq: 30 Sep 2025 09:38

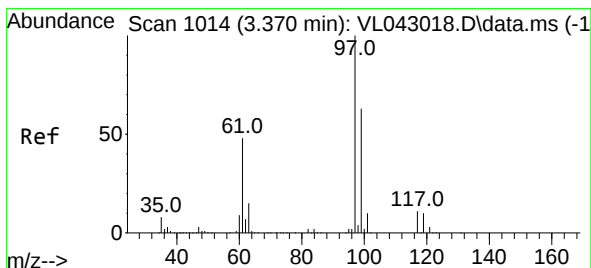
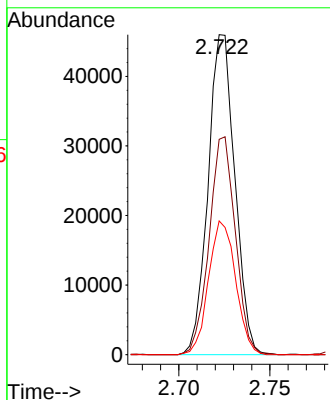
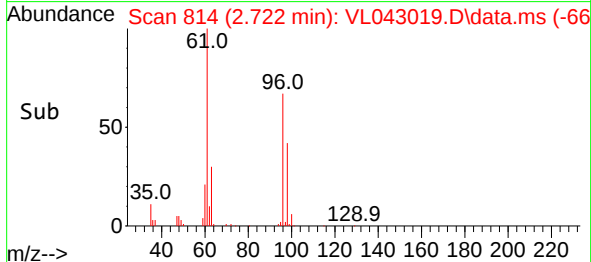
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002



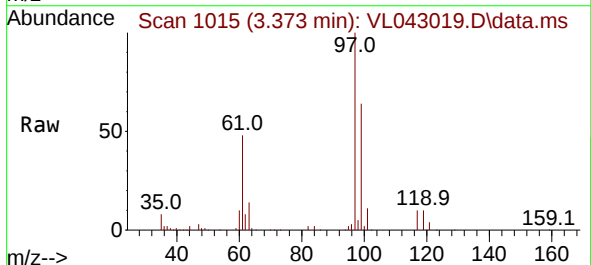
Tgt Ion: 61 Resp: 4713
 Ion Ratio Lower Upper
 61 100
 96 67.3 54.4 81.6
 98 41.8 33.7 50.5

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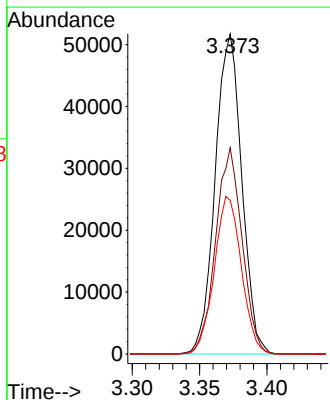
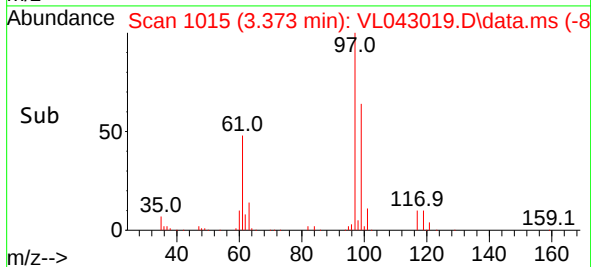
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025

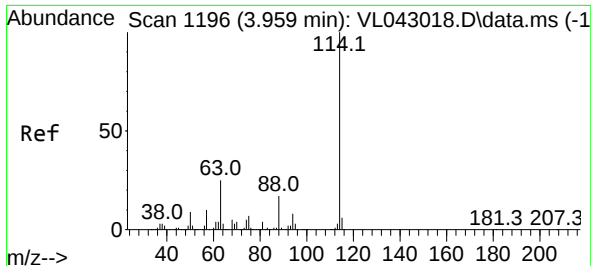


#32
 1,1,1-Trichloroethane
 Concen: 1.960 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.003 min
 Lab File: VL043019.D
 Acq: 30 Sep 2025 09:38



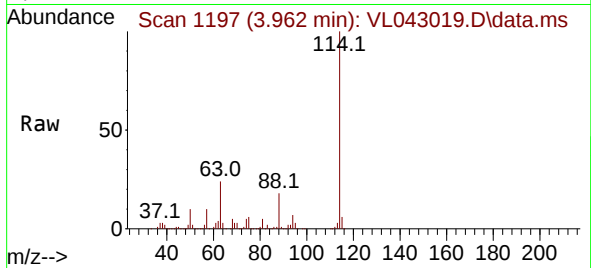
Tgt Ion: 97 Resp: 71075
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.4 77.0
 61 50.1 38.8 58.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1196
Delta R.T. 0.003 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

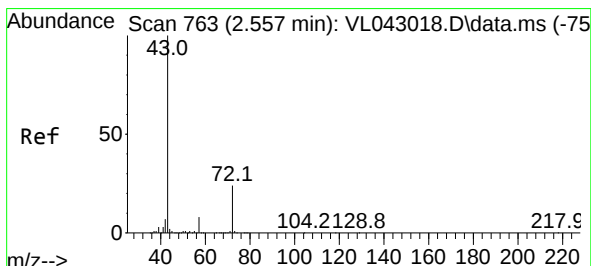
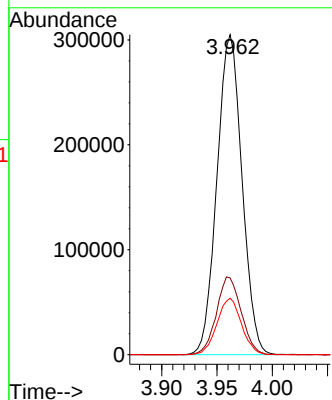
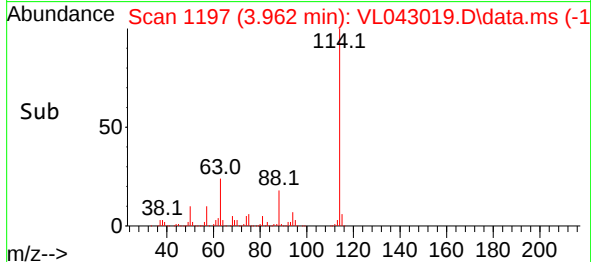
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion:114 Resp: 480179
Ion Ratio Lower Upper
114 100
63 24.1 19.7 29.5
88 17.2 13.8 20.6

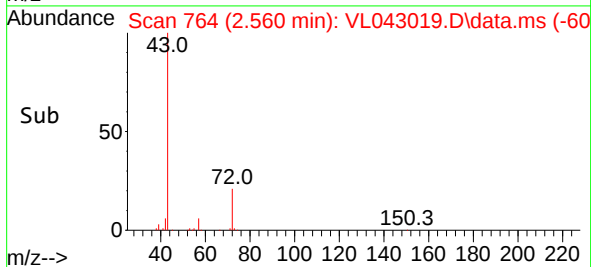
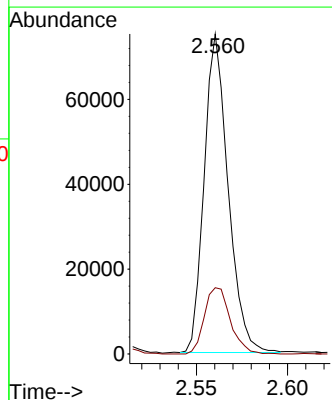
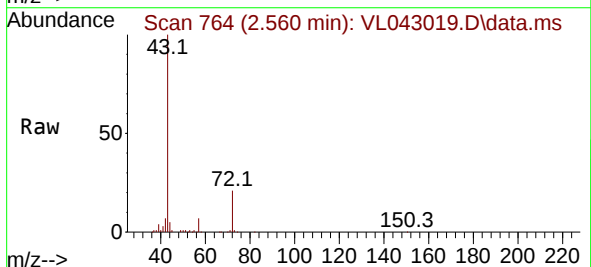
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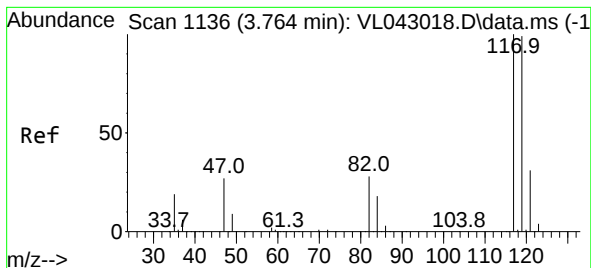
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#34
2-Butanone
Concen: 2.033 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

Tgt Ion: 43 Resp: 68751
Ion Ratio Lower Upper
43 100
72 22.6 18.7 28.1





#35

Carbon Tetrachloride

Concen: 1.867 ppbv

RT: 3.768 min Scan# 1136

Delta R.T. 0.003 min

Lab File: VL043019.D

Acq: 30 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

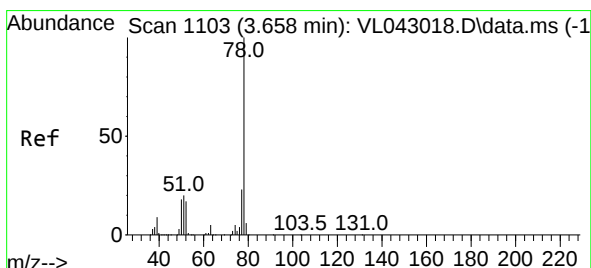
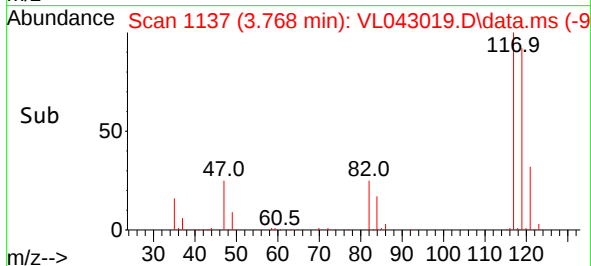
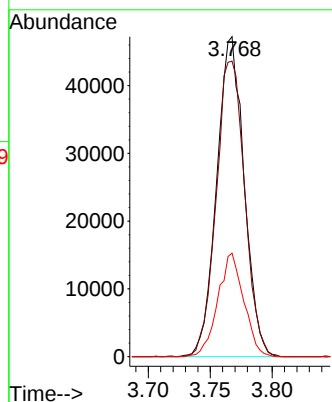
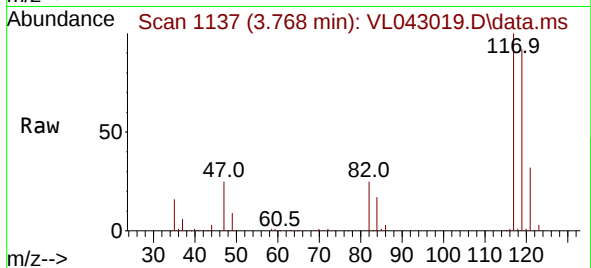
Tgt Ion: 117 Resp: 72749

Ion	Ratio	Lower	Upper
117	100		
119	92.2	79.1	118.7
121	32.3	24.5	36.7

Manual Integrations

APPROVED

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



#36

Benzene

Concen: 2.011 ppbv

RT: 3.658 min Scan# 1103

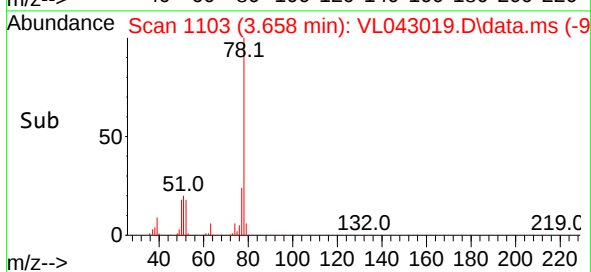
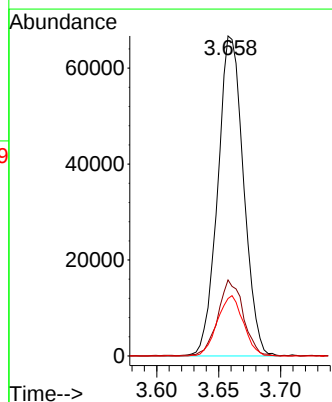
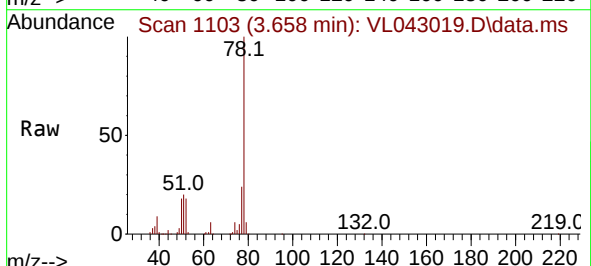
Delta R.T. -0.000 min

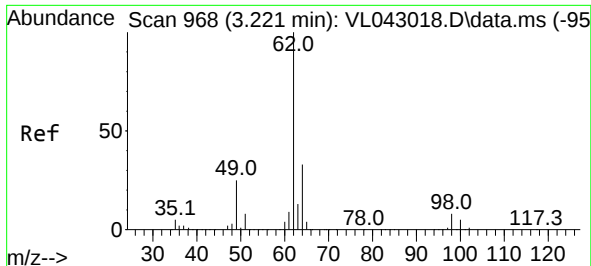
Lab File: VL043019.D

Acq: 30 Sep 2025 09:38

Tgt Ion: 78 Resp: 96787

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2
50	17.9	14.5	21.7





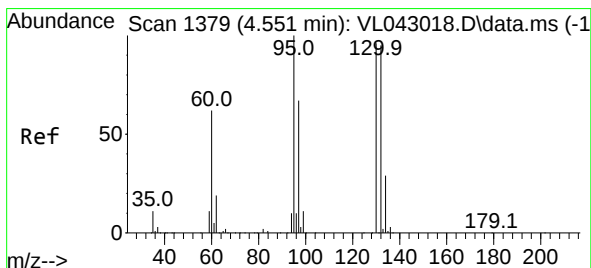
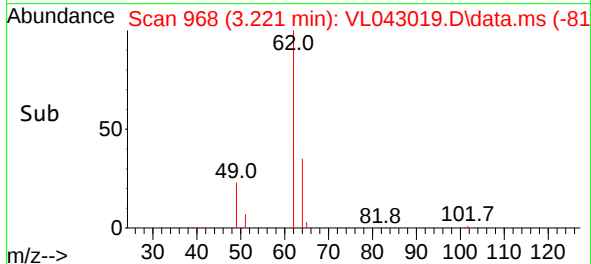
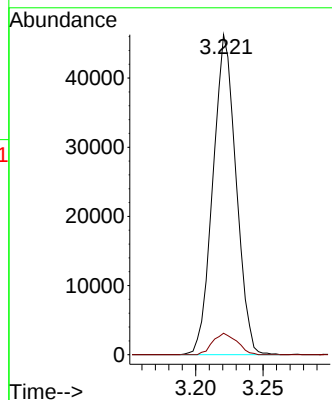
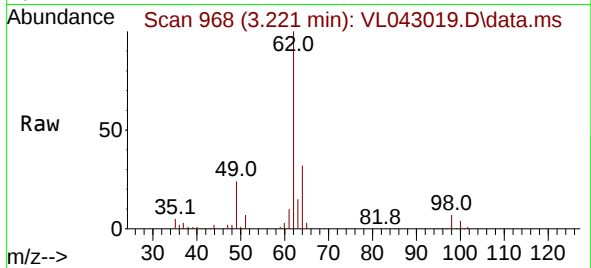
#37
1,2-Dichloroethane
Concen: 2.012 ppbv
RT: 3.221 min Scan# 90
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 55324
Ion Ratio Lower Upper
62 100
98 7.0 5.7 8.5

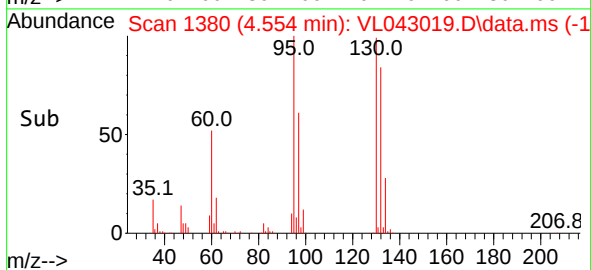
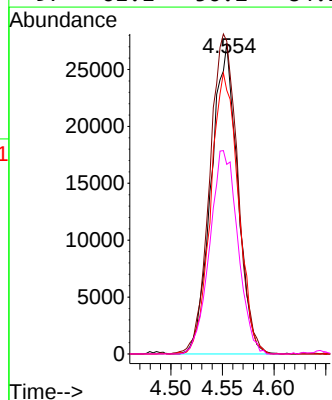
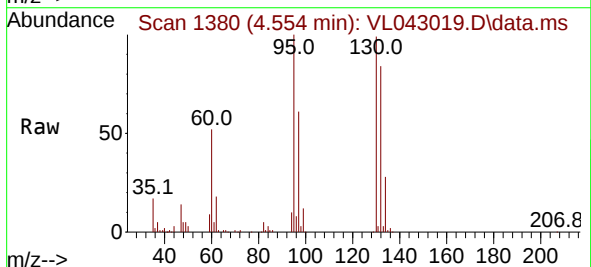
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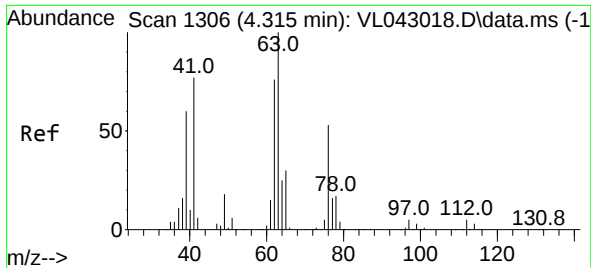
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#38
Trichloroethene
Concen: 1.964 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. 0.003 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

Tgt Ion:130 Resp: 48440
Ion Ratio Lower Upper
130 100
95 100.8 83.4 125.0
132 84.9 79.0 118.4
97 61.1 56.2 84.2





#39

1,2-Dichloropropane

Concen: 1.968 ppbv

RT: 4.315 min Scan# 1306

Delta R.T. -0.000 min

Lab File: VL043019.D

Acq: 30 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 63 Resp: 3478

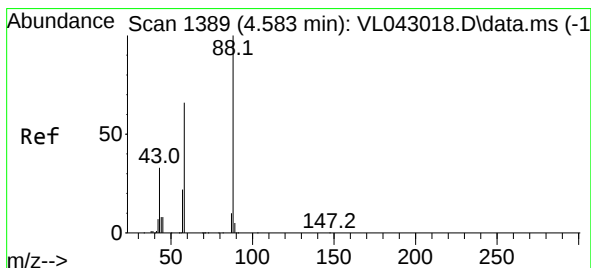
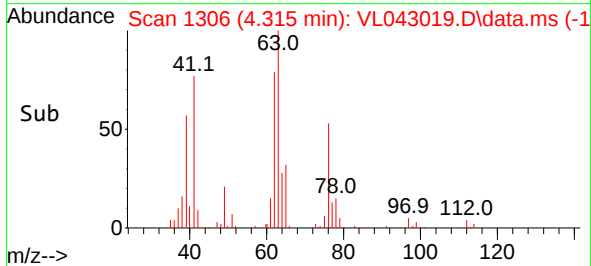
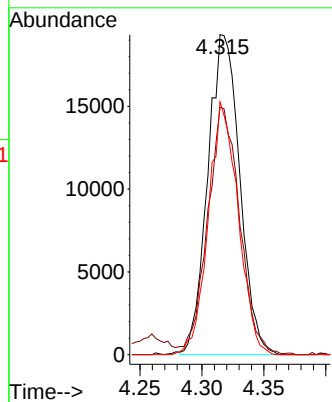
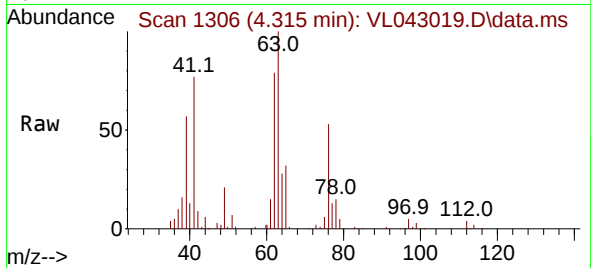
Ion	Ratio	Lower	Upper
63	100		
41	76.9	62.3	93.5
62	79.0	60.5	90.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#40

1,4-Dioxane

Concen: 1.994 ppbv m

RT: 4.596 min Scan# 1393

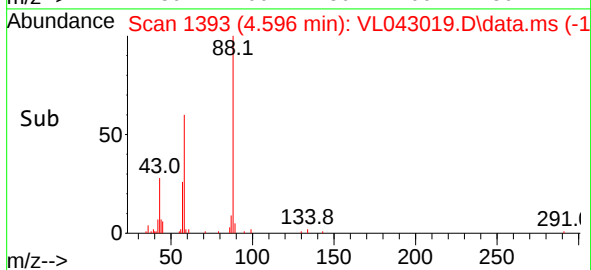
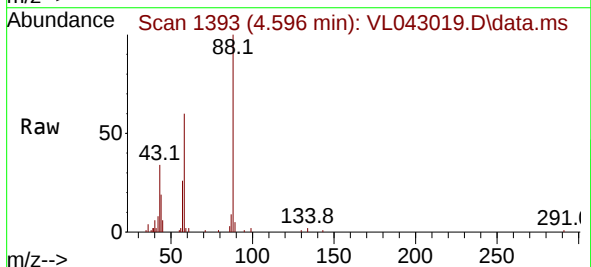
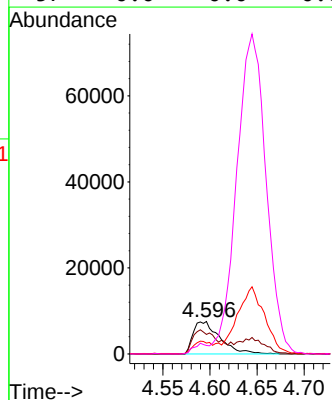
Delta R.T. 0.013 min

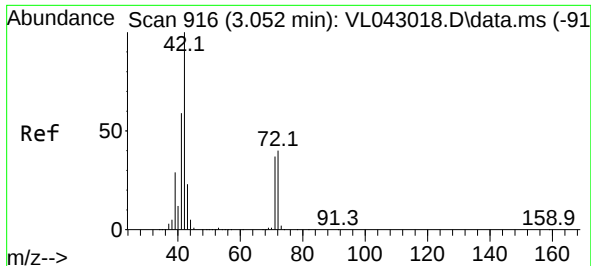
Lab File: VL043019.D

Acq: 30 Sep 2025 09:38

Tgt Ion: 88 Resp: 14944

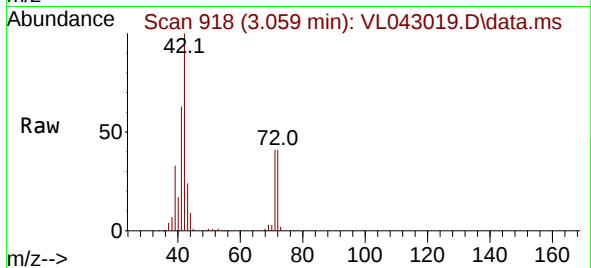
Ion	Ratio	Lower	Upper
88	100		
58	71.1	59.3	88.9
43	0.0	24.3	36.5#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 1.992 ppbv
RT: 3.059 min Scan# 916
Delta R.T. 0.006 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

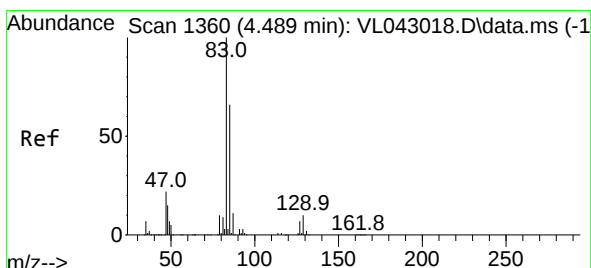
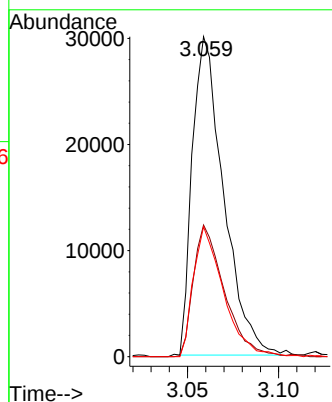
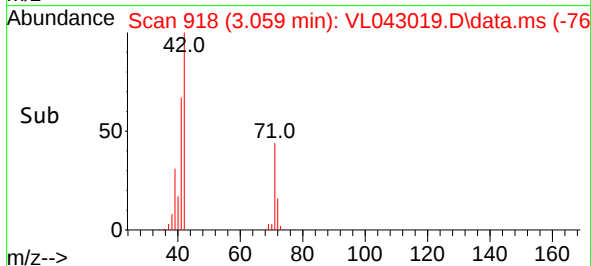
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



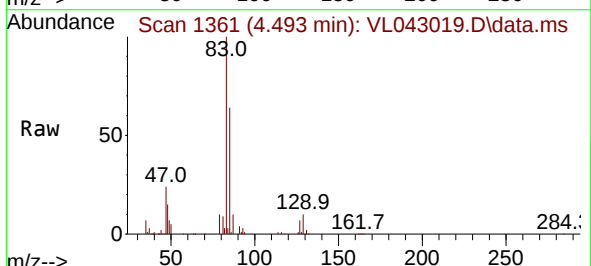
Tgt Ion: 42 Resp: 3586
Ion Ratio Lower Upper
42 100
72 41.1 31.6 47.4
71 39.5 30.4 45.6

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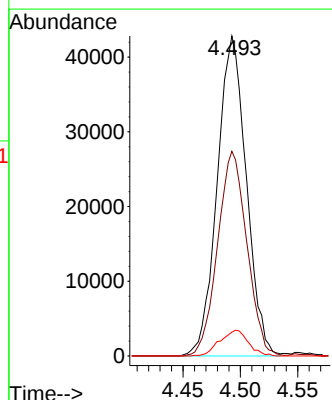
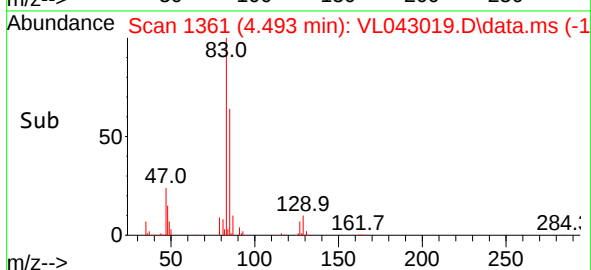
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

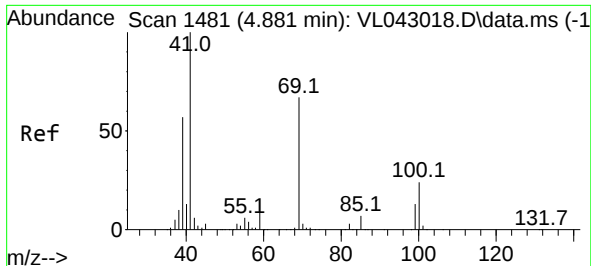


#42
Bromodichloromethane
Concen: 1.976 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. 0.003 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38



Tgt Ion: 83 Resp: 75477
Ion Ratio Lower Upper
83 100
85 64.0 52.6 78.8
127 7.5 5.7 8.5





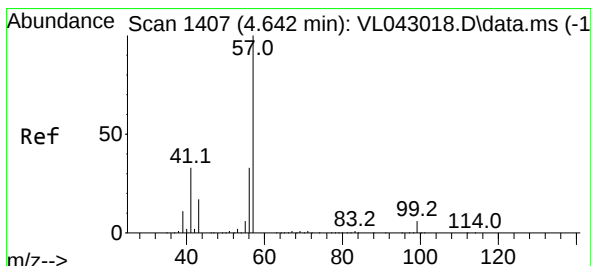
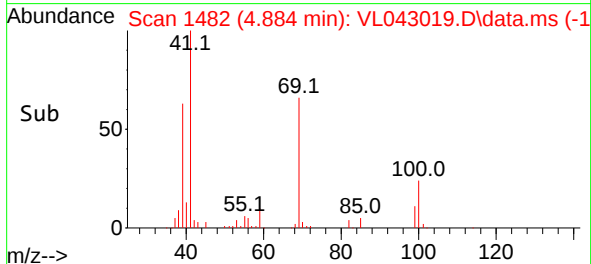
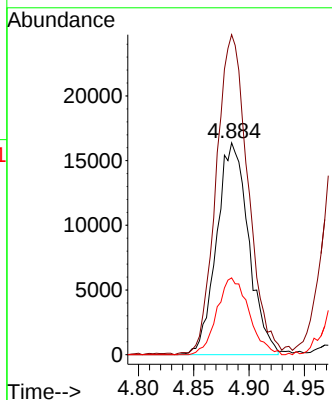
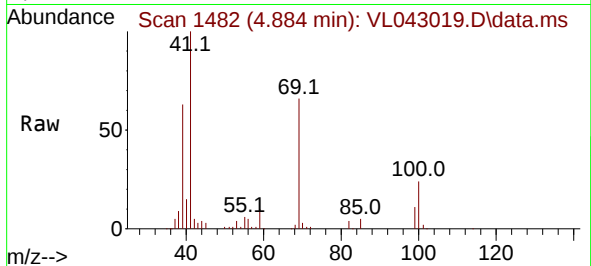
#43
Methyl Methacrylate
Concen: 1.947 ppbv
RT: 4.884 min Scan# 1481
Delta R.T. 0.003 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 69 Resp: 32929
Ion Ratio Lower Upper
69 100
41 151.3 117.6 176.4
100 36.3 29.0 43.6

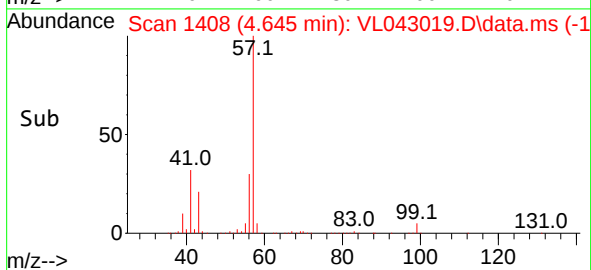
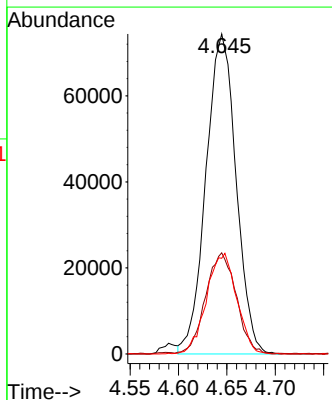
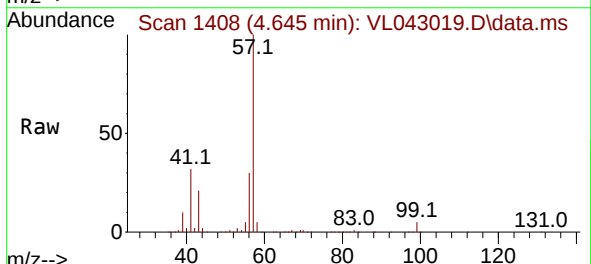
Manual Integrations
APPROVED

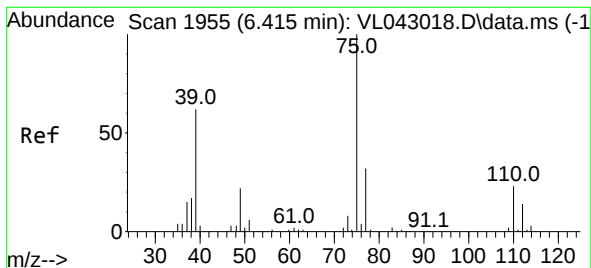
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#44
2,2,4-Trimethylpentane
Concen: 2.035 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.003 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

Tgt Ion: 57 Resp: 161104
Ion Ratio Lower Upper
57 100
41 32.7 26.2 39.2
56 31.6 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 1.990 ppbv m

RT: 6.415 min Scan# 1955

Delta R.T. -0.000 min

Lab File: VL043019.D

Acq: 30 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 75 Resp: 3826

Ion Ratio Lower Upper

75 100

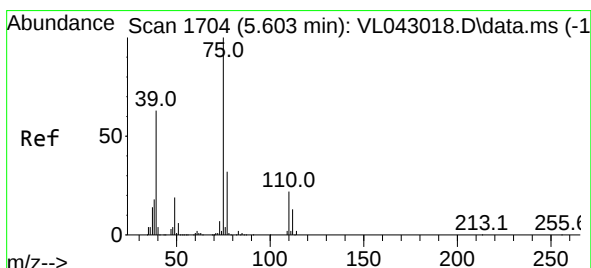
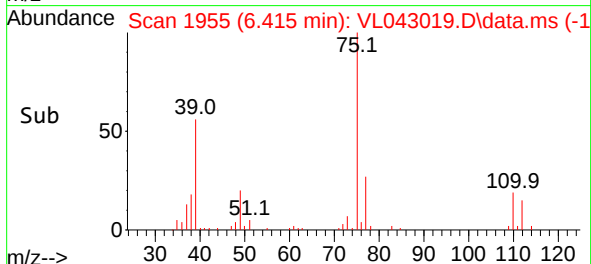
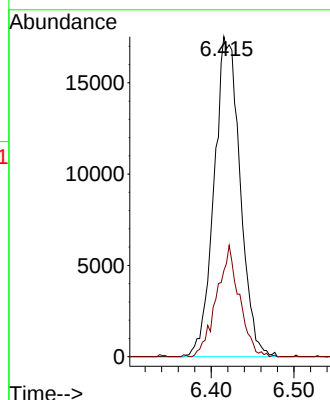
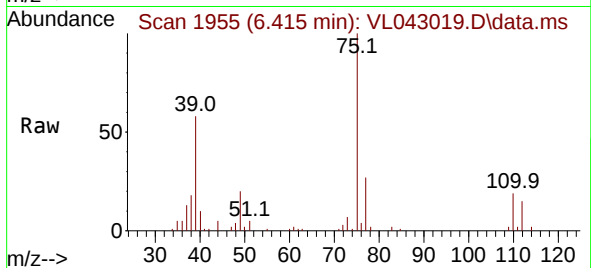
77 26.9 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#46

cis-1,3-Dichloropropene

Concen: 1.972 ppbv

RT: 5.606 min Scan# 1705

Delta R.T. 0.003 min

Lab File: VL043019.D

Acq: 30 Sep 2025 09:38

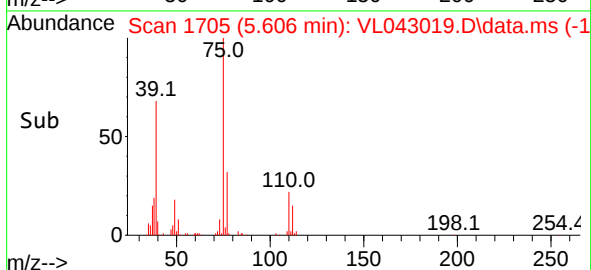
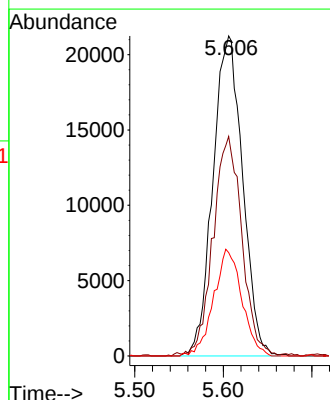
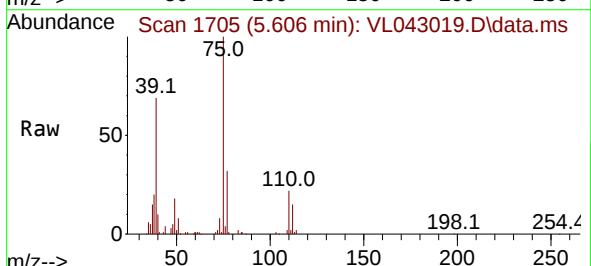
Tgt Ion: 75 Resp: 49451

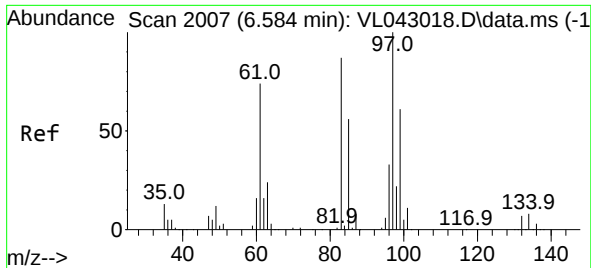
Ion Ratio Lower Upper

75 100

39 68.1 50.2 75.2

77 32.3 25.4 38.0





#47
1,1,2-Trichloroethane
Concen: 2.029 ppbv
RT: 6.587 min Scan# 2007
Delta R.T. 0.003 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

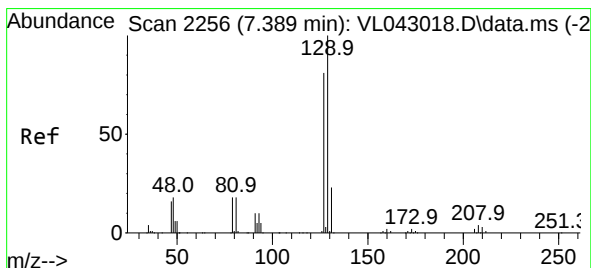
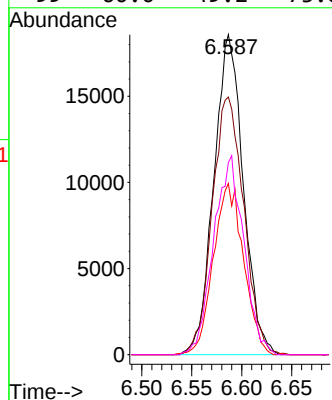
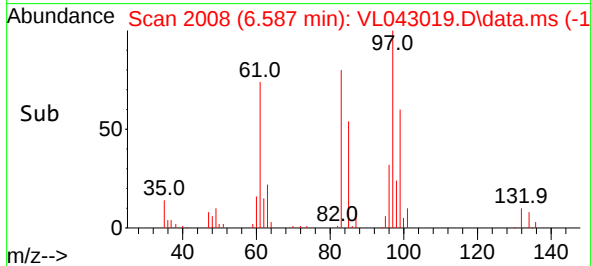
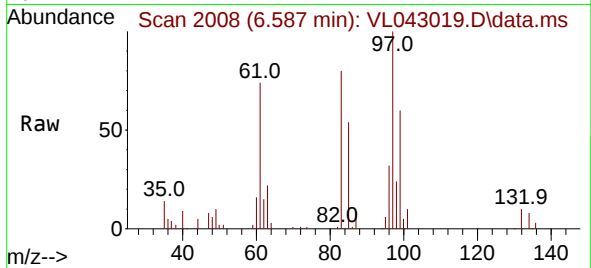
VSTDIC002

Tgt Ion: 97 Resp: 3804
Ion Ratio Lower Upper
97 100
83 80.2 69.6 104.4
85 53.2 44.6 66.8
99 60.0 49.2 73.8

Manual Integrations

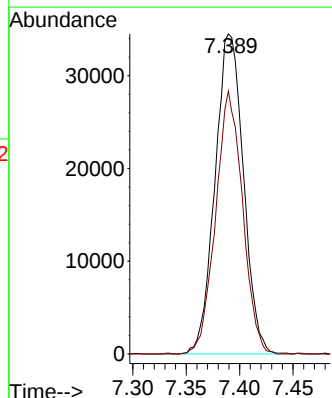
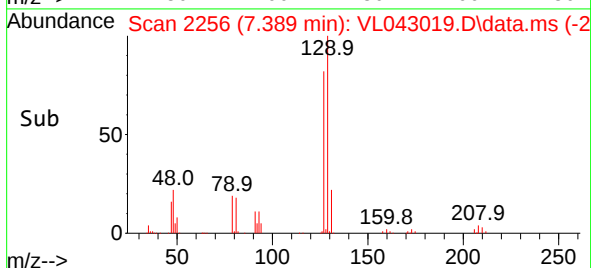
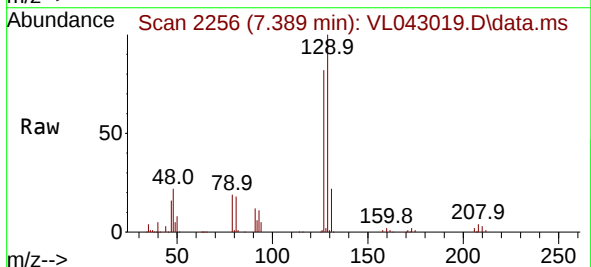
APPROVED

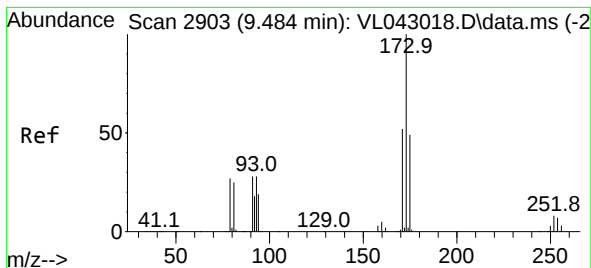
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#48
Dibromochloromethane
Concen: 1.976 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

Tgt Ion:129 Resp: 63863
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0





#49

Bromoform

Concen: 1.980 ppbv

RT: 9.487 min Scan# 2903

Delta R.T. 0.003 min

Lab File: VL043019.D

Acq: 30 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

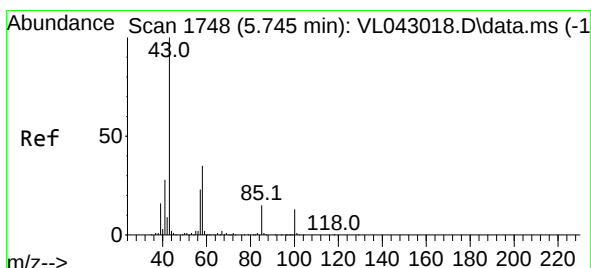
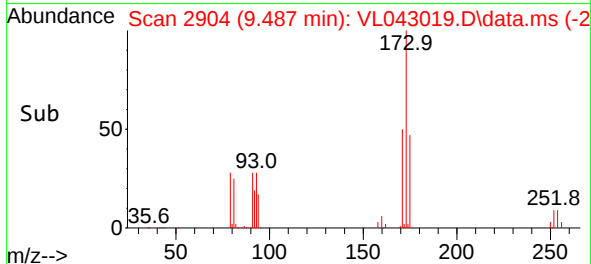
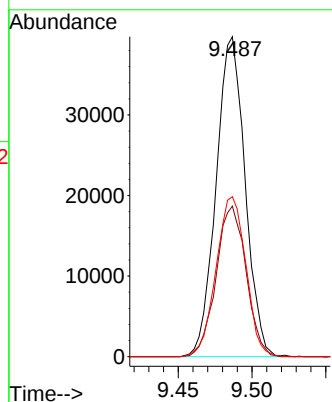
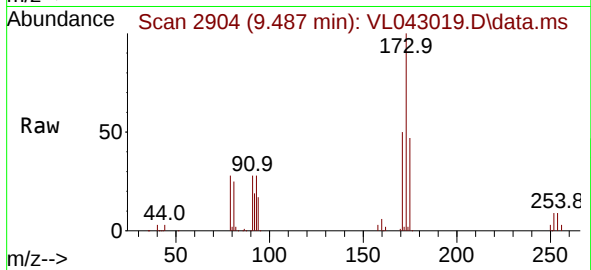
VSTDICC002

Tgt Ion:	173	Resp:	54290
Ion Ratio	Lower	Upper	
173	100		
175	48.6	39.1	58.7
171	51.3	41.4	62.0

Manual Integrations

APPROVED

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



#50

4-Methyl-2-Pentanone

Concen: 1.952 ppbv

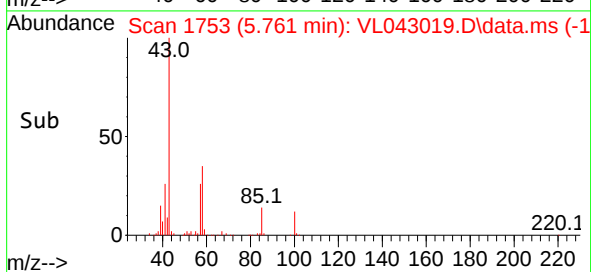
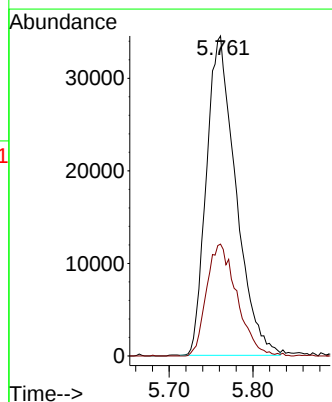
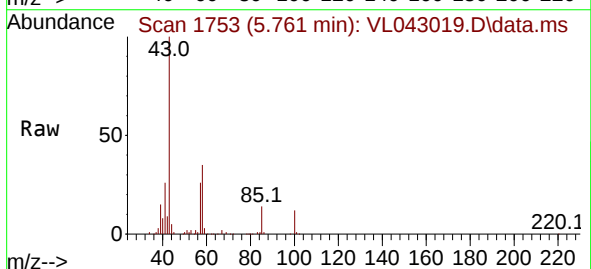
RT: 5.761 min Scan# 1753

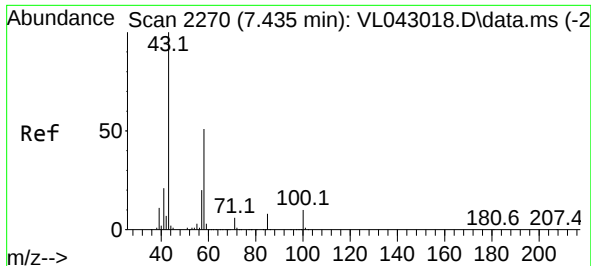
Delta R.T. 0.016 min

Lab File: VL043019.D

Acq: 30 Sep 2025 09:38

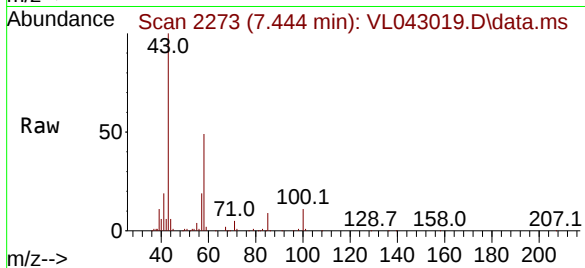
Tgt Ion:	43	Resp:	84228
Ion Ratio	Lower	Upper	
43	100		
58	36.3	29.4	44.2





#51
2-Hexanone
Concen: 1.944 ppbv
RT: 7.444 min Scan# 2179
Delta R.T. 0.010 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

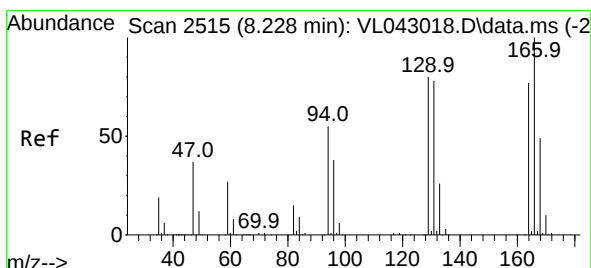
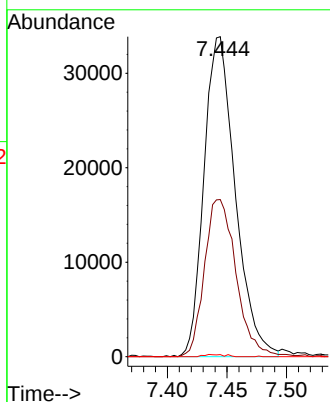
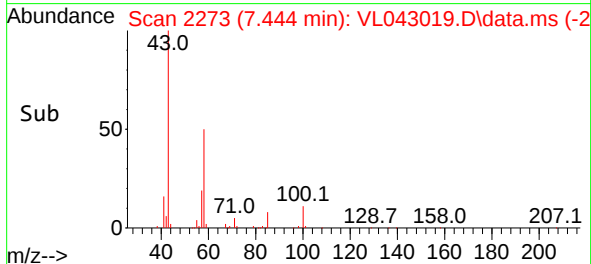
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 43 Resp: 61792
Ion Ratio Lower Upper
43 100
58 49.8 39.7 59.5
98 0.5 0.2 0.4

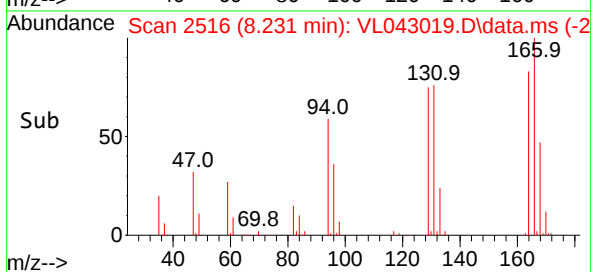
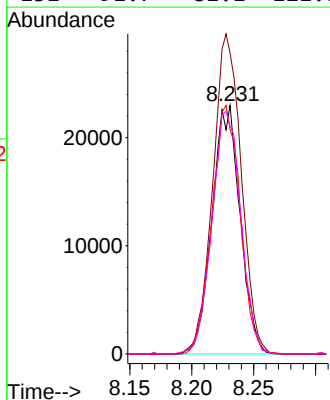
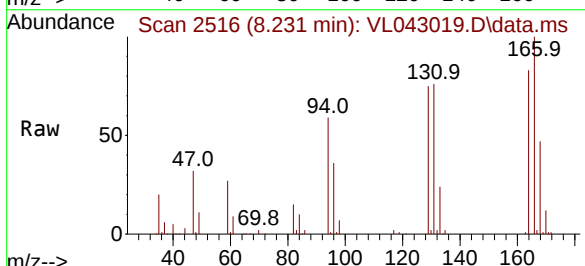
Manual Integrations
APPROVED

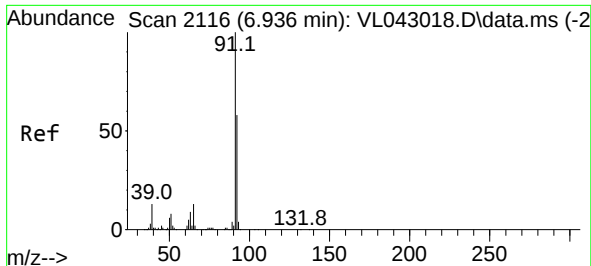
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#52
Tetrachloroethene
Concen: 1.895 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

Tgt Ion:164 Resp: 36361
Ion Ratio Lower Upper
164 100
166 121.2 103.5 155.3
129 90.3 82.6 124.0
131 91.7 81.1 121.7





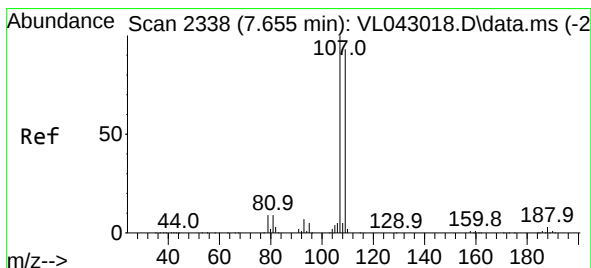
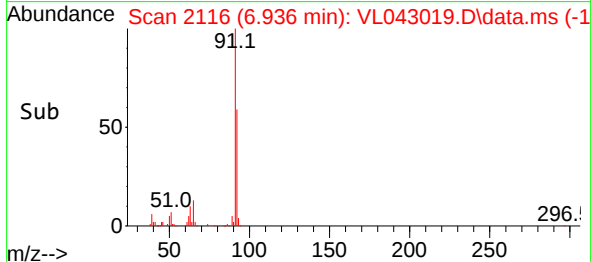
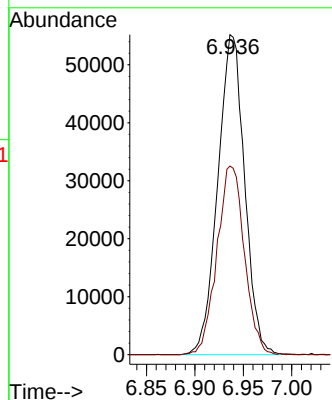
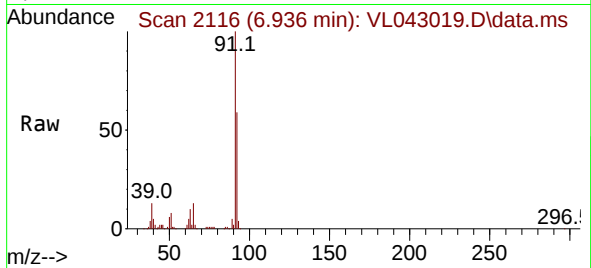
#53
Toluene
Concen: 1.980 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 91 Resp: 10625
Ion Ratio Lower Upper
91 100
92 60.4 47.7 71.5

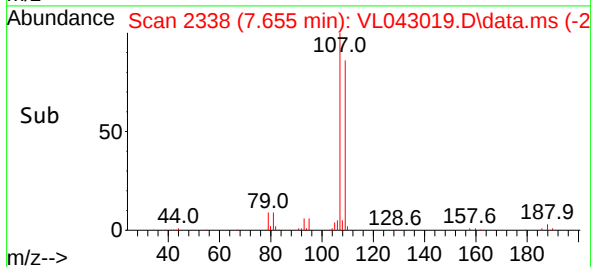
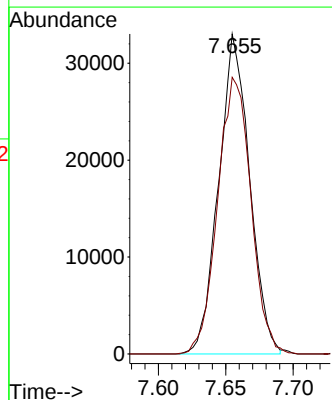
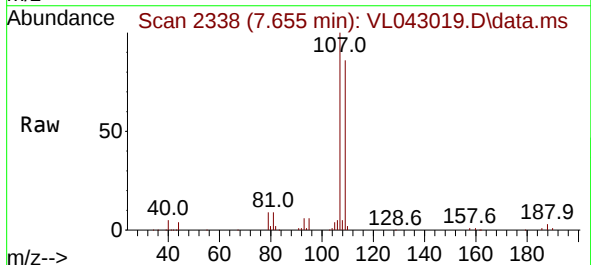
Manual Integrations
APPROVED

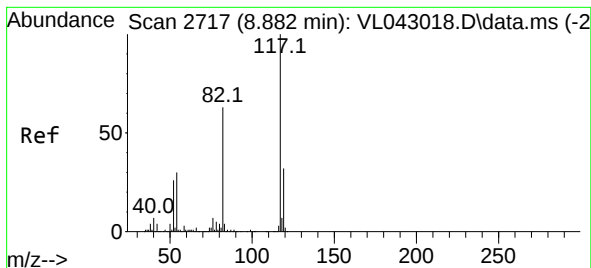
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#54
1,2-Dibromoethane
Concen: 2.015 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

Tgt Ion:107 Resp: 52700
Ion Ratio Lower Upper
107 100
109 86.2 74.6 111.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2717

Delta R.T. 0.003 min

Lab File: VL043019.D

Acq: 30 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

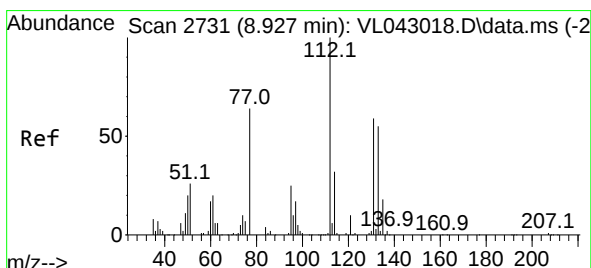
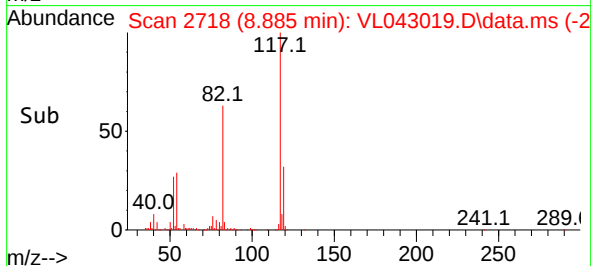
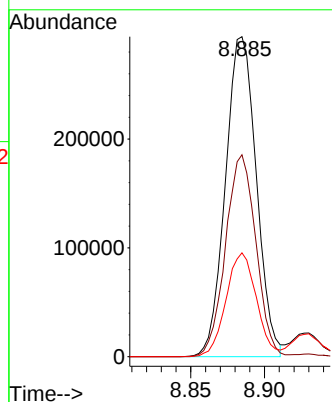
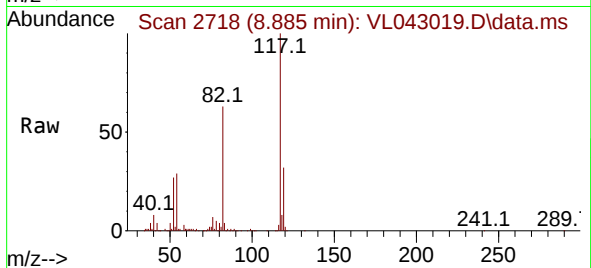
Tgt Ion:117 Resp: 428640

Ion	Ratio	Lower	Upper
117	100		
82	62.8	52.6	78.8
119	32.3	26.4	39.6

Manual Integrations

APPROVED

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



#56

1,1,1,2-Tetrachloroethane

Concen: 2.007 ppbv

RT: 8.930 min Scan# 2732

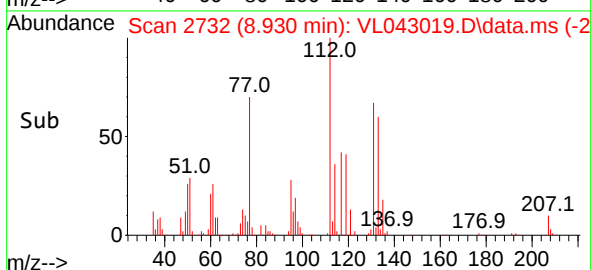
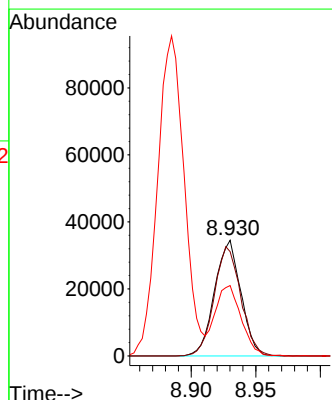
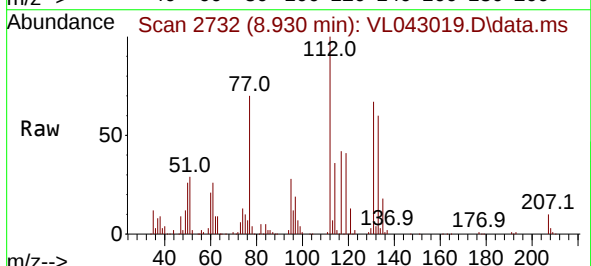
Delta R.T. 0.003 min

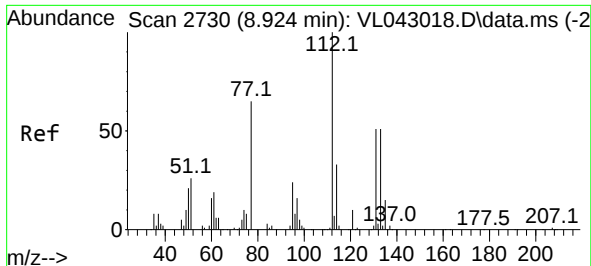
Lab File: VL043019.D

Acq: 30 Sep 2025 09:38

Tgt Ion:131 Resp: 48760

Ion	Ratio	Lower	Upper
131	100		
133	96.2	76.6	114.8
119	57.7	48.8	73.2





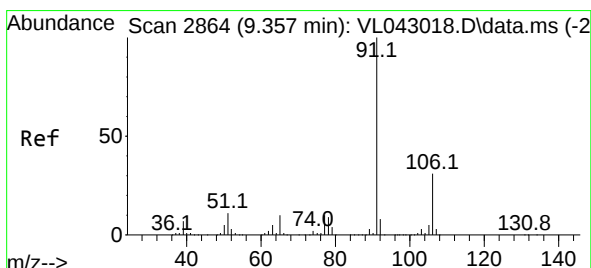
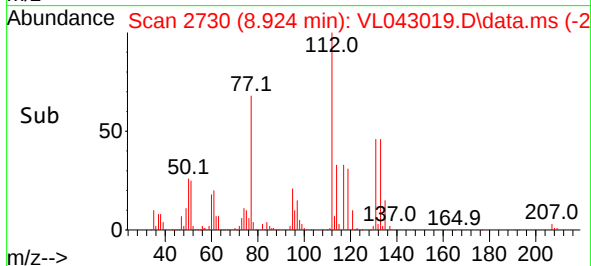
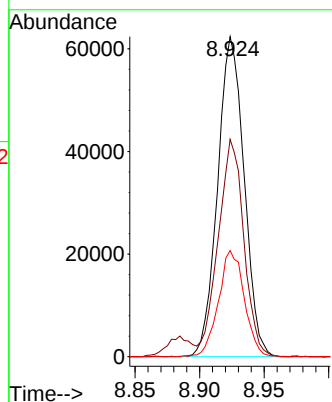
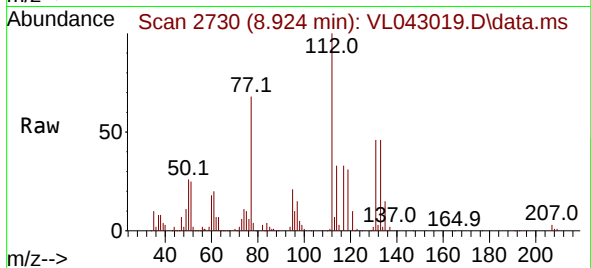
#57
Chlorobenzene
Concen: 2.012 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:112 Resp: 88915
Ion Ratio Lower Upper
112 100
77 67.8 52.7 79.1
114 33.1 29.5 36.1

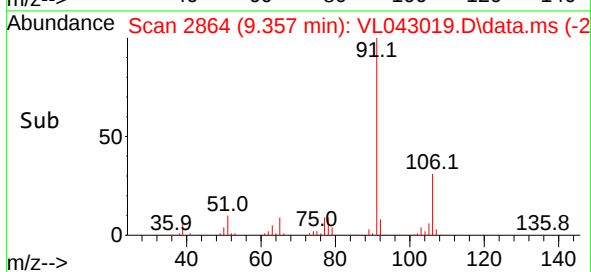
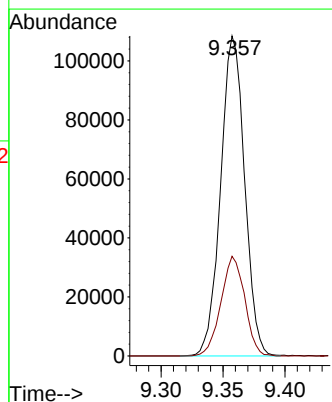
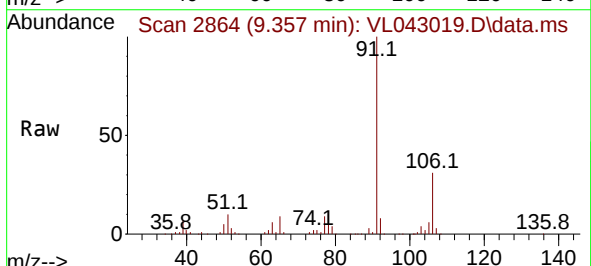
Manual Integrations
APPROVED

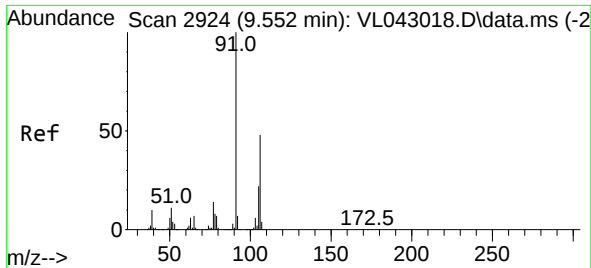
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#58
Ethyl Benzene
Concen: 2.015 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

Tgt Ion: 91 Resp: 146404
Ion Ratio Lower Upper
91 100
106 31.1 24.8 37.2





#59

m/p-Xylene

Concen: 4.117 ppbv m

RT: 9.555 min Scan# 2924

Delta R.T. 0.003 min

Lab File: VL043019.D

Acq: 30 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 91 Resp: 240698

Ion Ratio Lower Upper

91 100

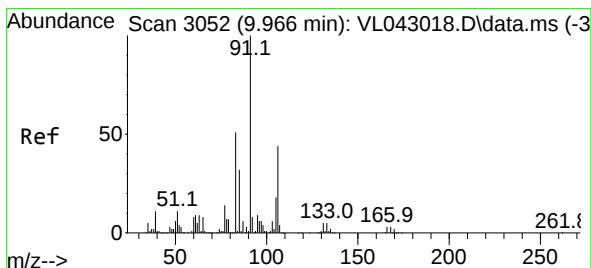
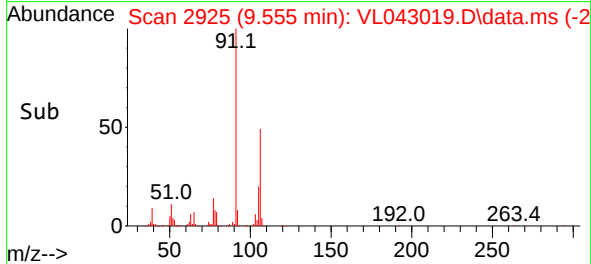
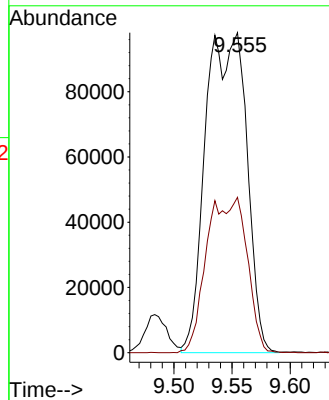
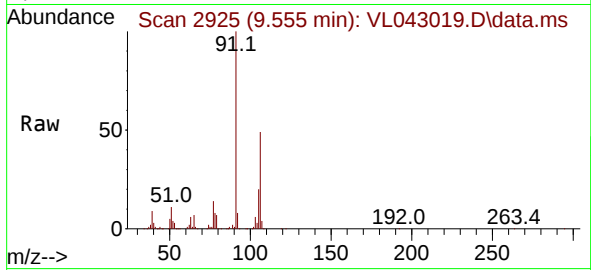
106 47.5 38.1 57.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#60

o-Xylene

Concen: 2.068 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VL043019.D

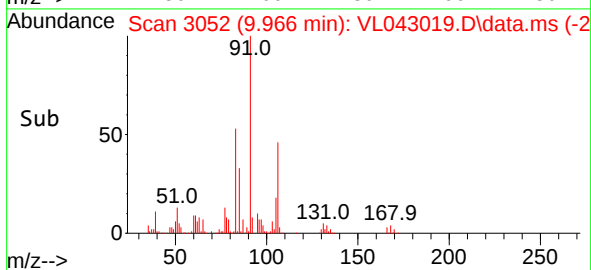
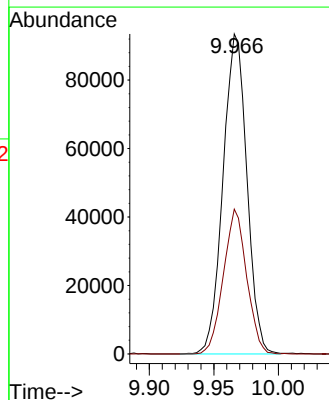
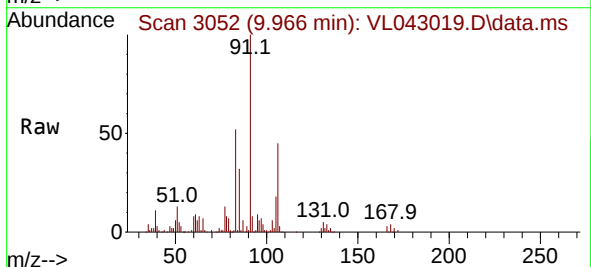
Acq: 30 Sep 2025 09:38

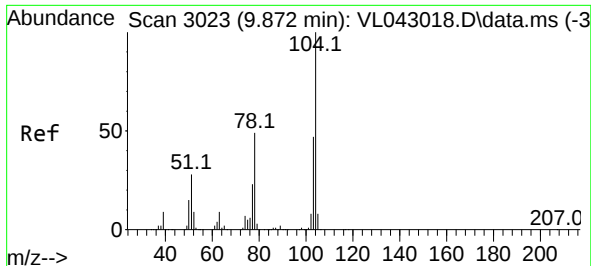
Tgt Ion: 91 Resp: 120173

Ion Ratio Lower Upper

91 100

106 44.1 22.2 66.6





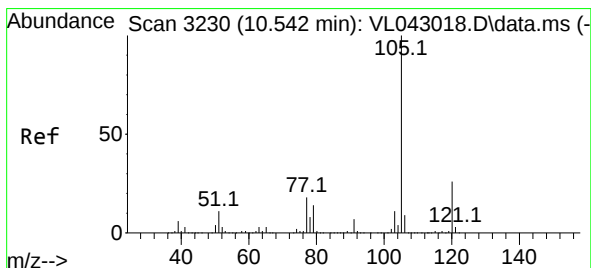
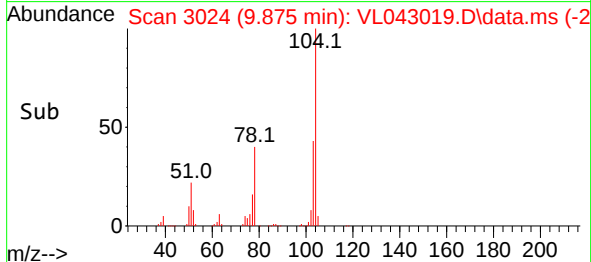
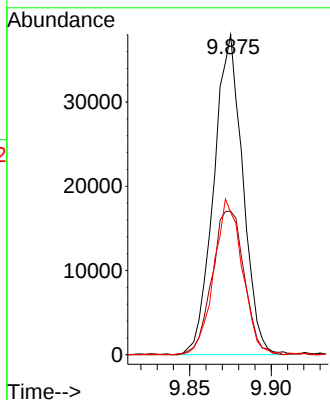
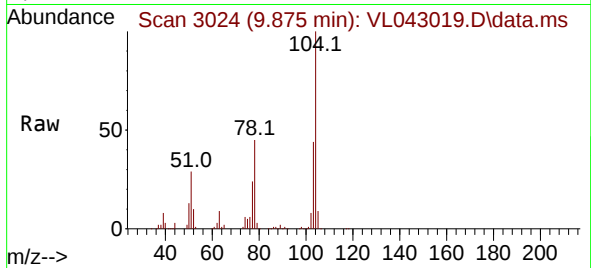
#61
Styrene
Concen: 1.907 ppbv
RT: 9.875 min Scan# 3023
Delta R.T. 0.003 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:104 Resp: 4689
Ion Ratio Lower Upper
104 100
78 50.4 39.0 58.4
103 48.1 37.4 56.2

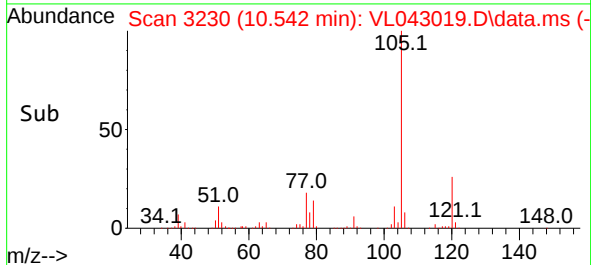
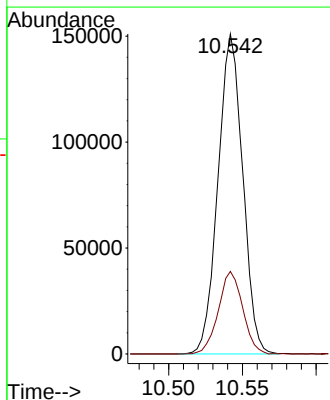
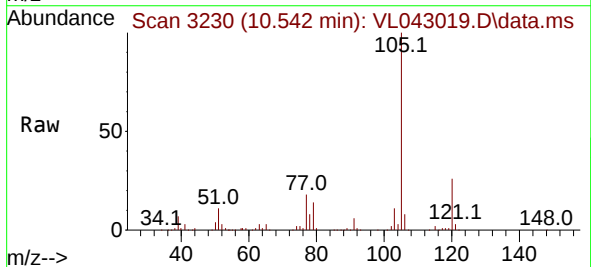
Manual Integrations
APPROVED

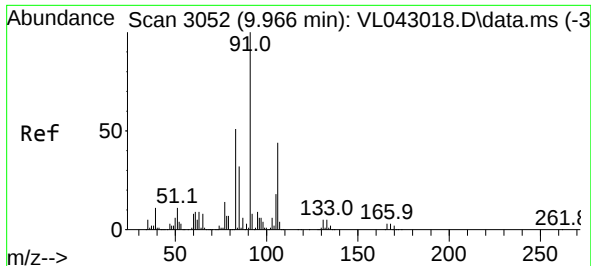
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#62
Isopropylbenzene
Concen: 2.034 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

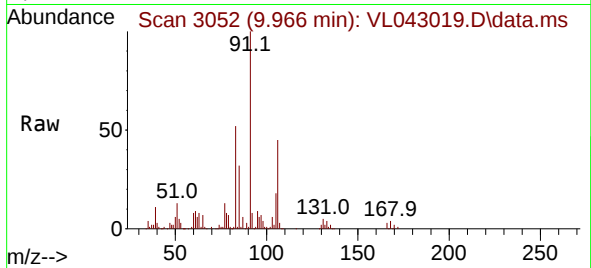
Tgt Ion:105 Resp: 175973
Ion Ratio Lower Upper
105 100
120 25.4 20.7 31.1





#63
1,1,2,2-Tetrachloroethane
Concen: 2.007 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

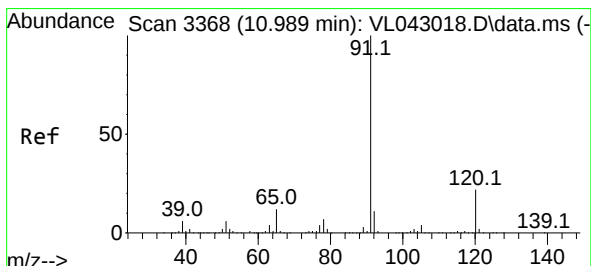
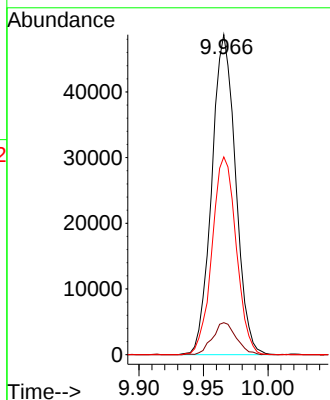
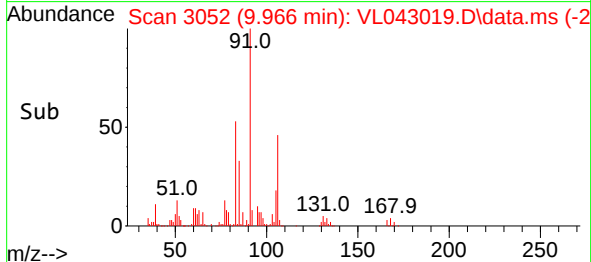
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



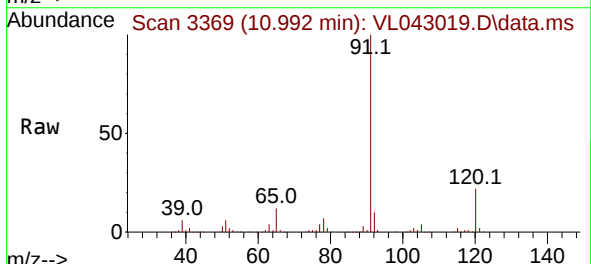
Tgt Ion: 83 Resp: 6258
Ion Ratio Lower Upper
83 100
131 10.0 5.0 14.9
85 62.6 32.2 96.6

Manual Integrations
APPROVED

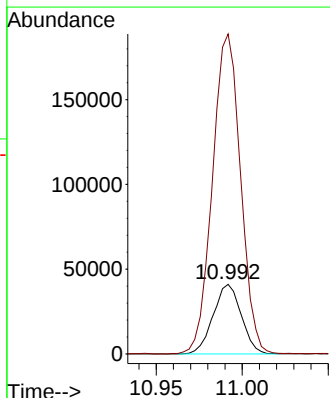
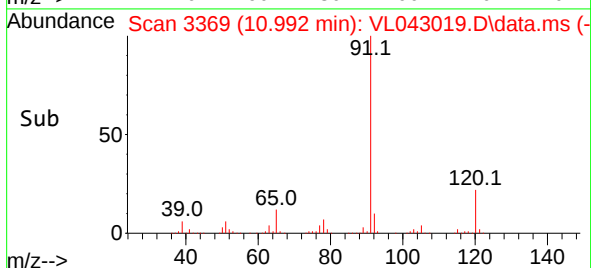
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

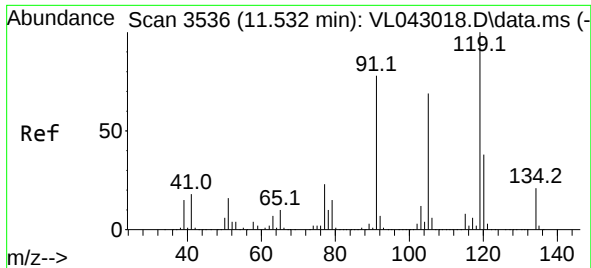


#64
n-propylbenzene
Concen: 2.068 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.003 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38



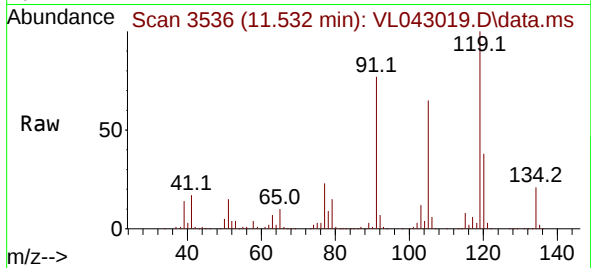
Tgt Ion:120 Resp: 46617
Ion Ratio Lower Upper
120 100
91 461.6 365.6 548.4





#65
tert-Butylbenzene
Concen: 2.102 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

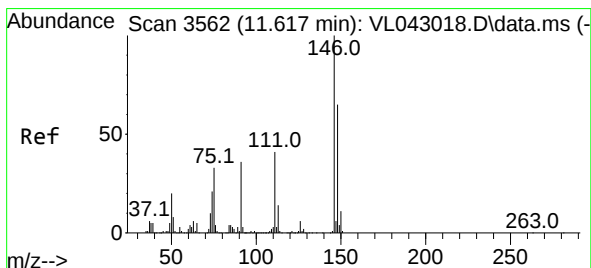
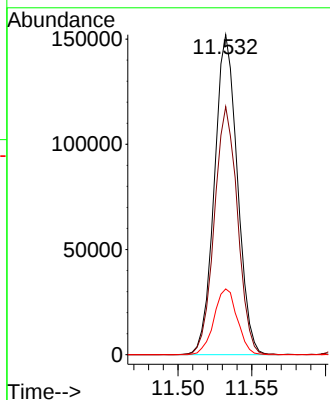
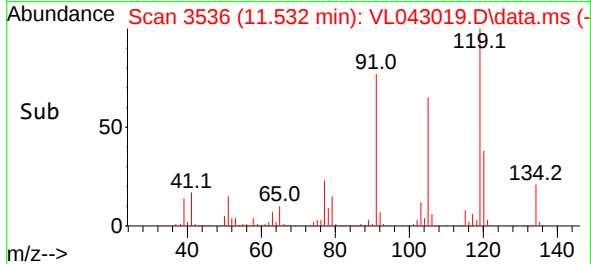
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



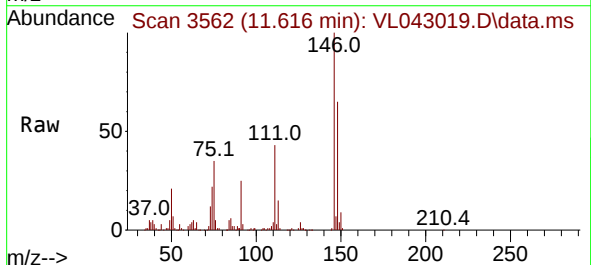
Tgt Ion: 119 Resp: 164700
Ion Ratio Lower Upper
119 100
91 78.2 62.6 93.8
134 20.8 16.7 25.1

Manual Integrations
APPROVED

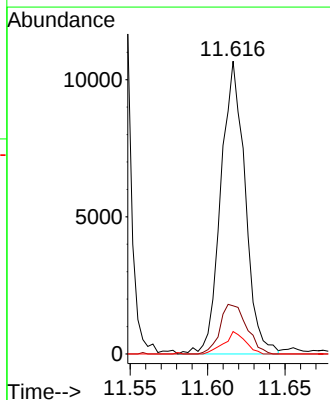
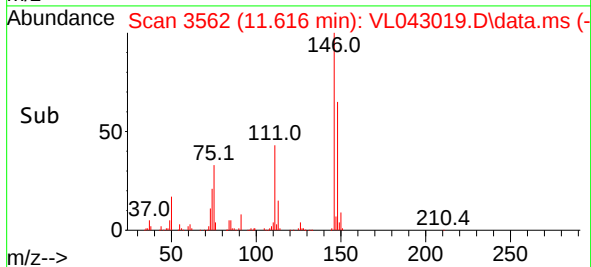
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

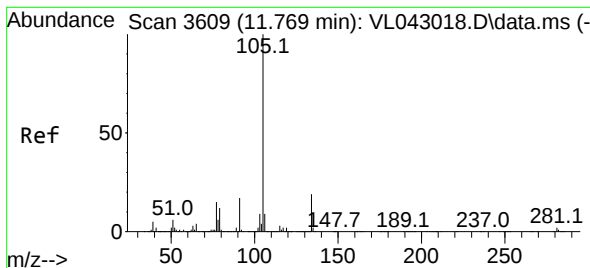


#66
Benzyl Chloride
Concen: 1.861 ppbv
RT: 11.616 min Scan# 3562
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38



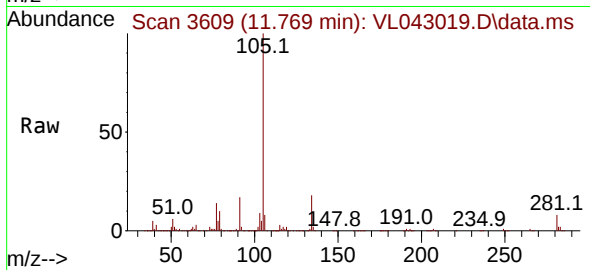
Tgt Ion: 91 Resp: 11629
Ion Ratio Lower Upper
91 100
126 18.6 14.1 21.1
128 6.7 4.9 7.3





#67
 sec-Butylbenzene
 Concen: 2.100 ppbv
 RT: 11.769 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: VL043019.D
 Acq: 30 Sep 2025 09:38

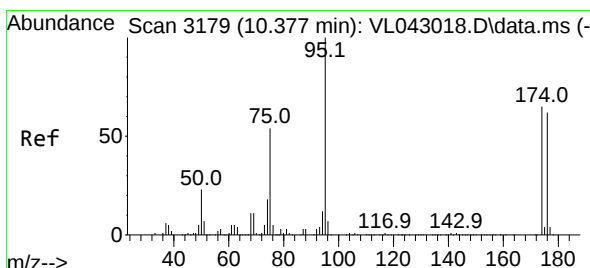
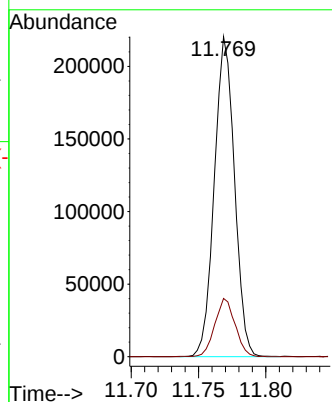
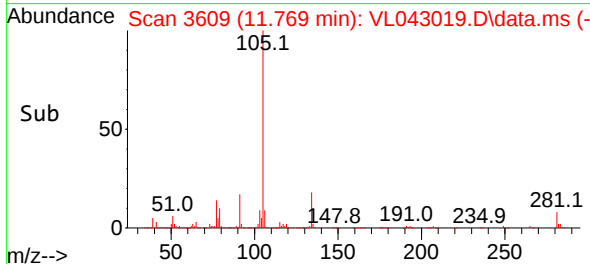
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion:105 Resp: 22946
 Ion Ratio Lower Upper
 105 100
 134 18.3 15.4 23.2

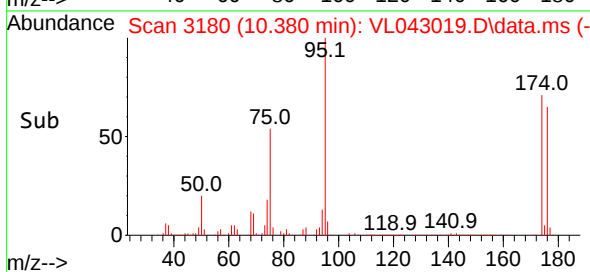
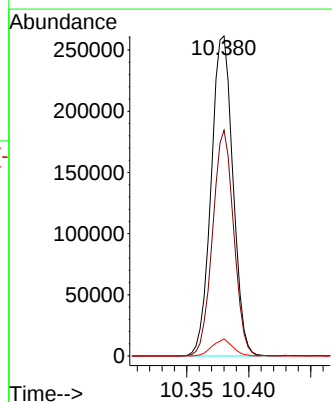
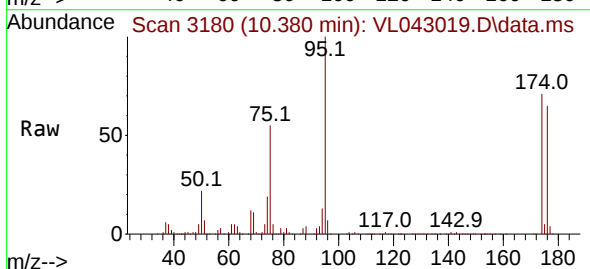
Manual Integrations
 APPROVED

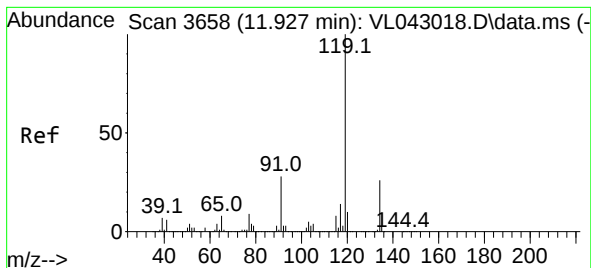
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.868 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.003 min
 Lab File: VL043019.D
 Acq: 30 Sep 2025 09:38

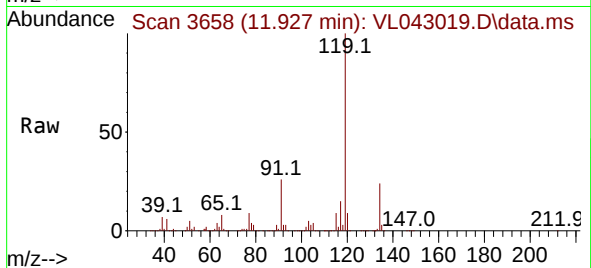
Tgt Ion: 95 Resp: 320421
 Ion Ratio Lower Upper
 95 100
 174 68.3 53.4 80.2
 175 4.9 3.8 5.8





#69
p-Isopropyltoluene
Concen: 2.097 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

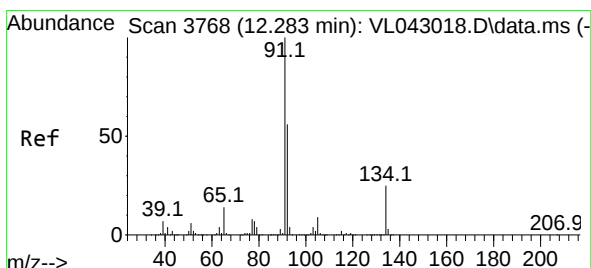
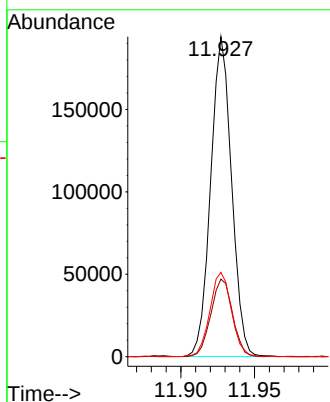
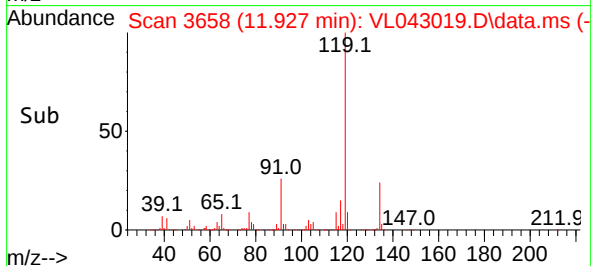
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



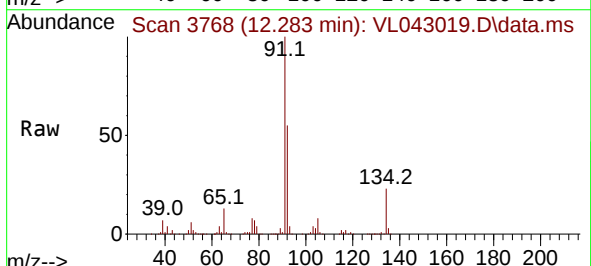
Tgt Ion: 119 Resp: 190819
Ion Ratio Lower Upper
119 100
134 25.3 20.3 30.5
91 27.3 22.1 33.1

Manual Integrations
APPROVED

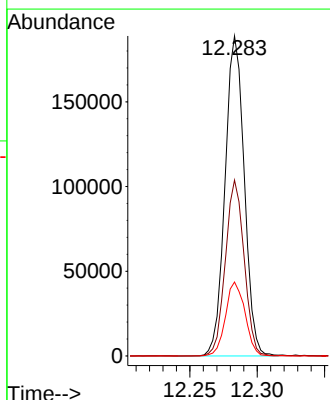
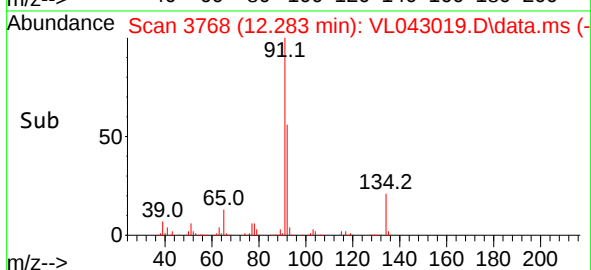
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

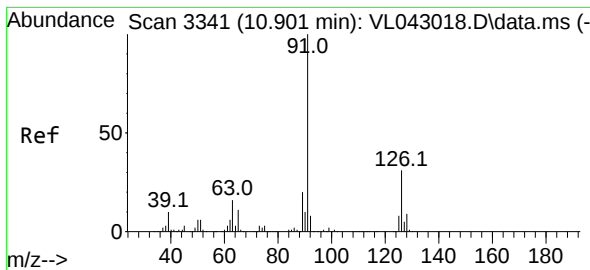


#70
n-Butylbenzene
Concen: 2.134 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38



Tgt Ion: 91 Resp: 187543
Ion Ratio Lower Upper
91 100
92 53.6 44.2 66.4
134 23.5 19.5 29.3





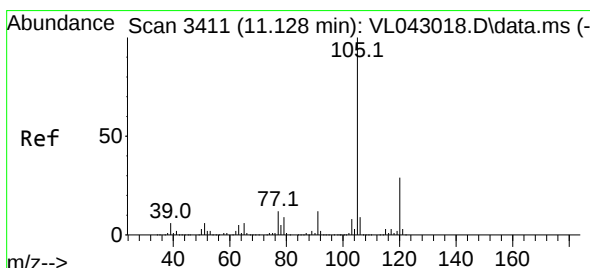
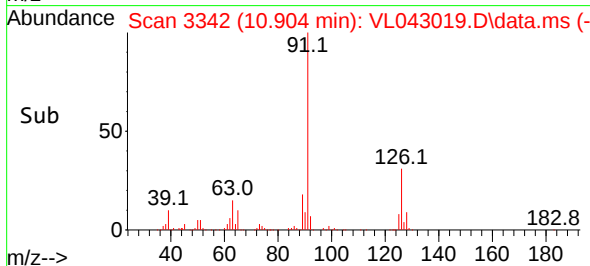
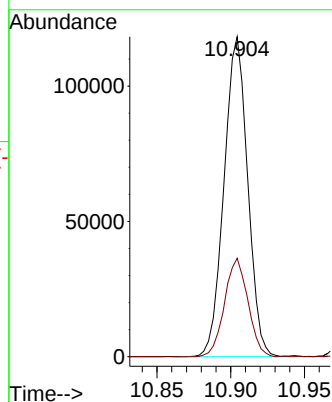
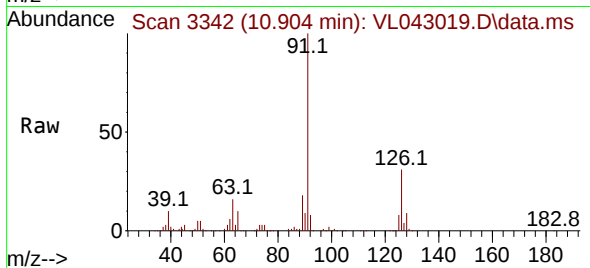
#71
2-Chlorotoluene
Concen: 2.041 ppbv
RT: 10.904 min Scan# 3341
Delta R.T. 0.003 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 131720
Ion Ratio Lower Upper
91 100
126 30.5 12.3 49.3

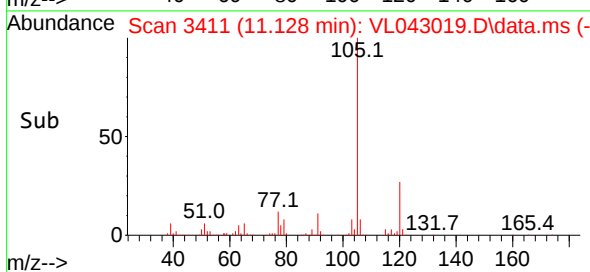
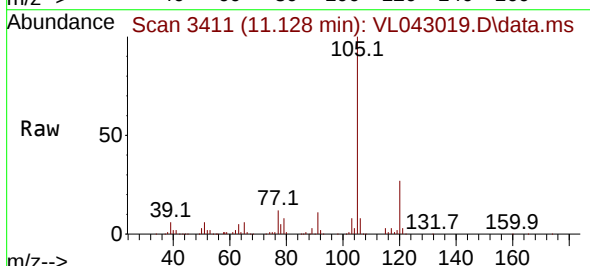
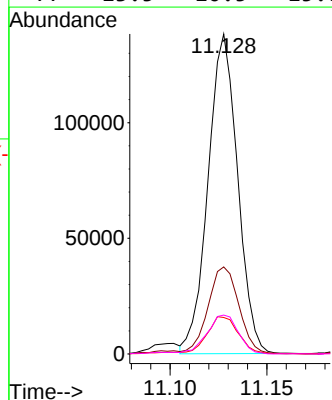
Manual Integrations
APPROVED

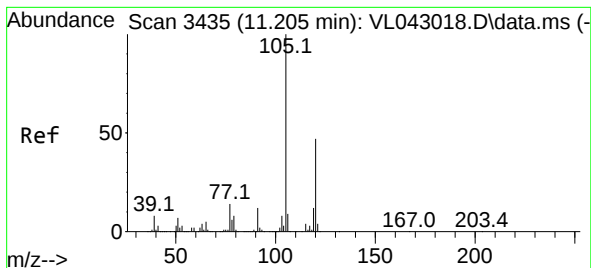
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#72
4-Ethyltoluene
Concen: 2.054 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

Tgt Ion:105 Resp: 146794
Ion Ratio Lower Upper
105 100
120 29.5 23.6 35.4
91 13.1 10.0 15.0
77 13.5 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 2.048 ppbv

RT: 11.205 min Scan# 3435

Delta R.T. -0.000 min

Lab File: VL043019.D

Acq: 30 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:105 Resp: 12340

Ion Ratio Lower Upper

105 100

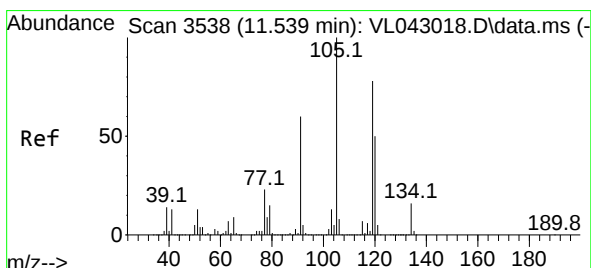
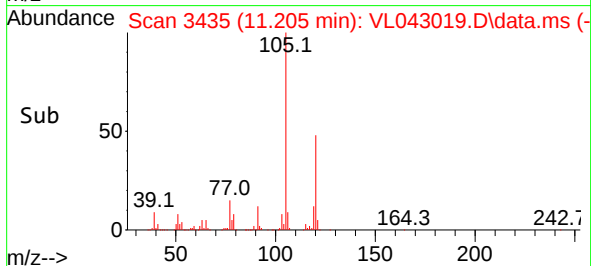
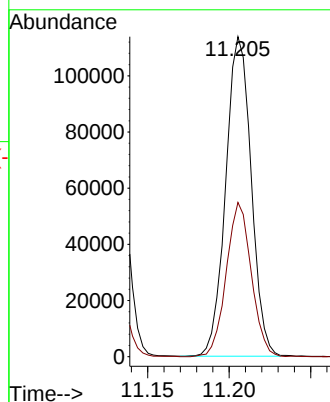
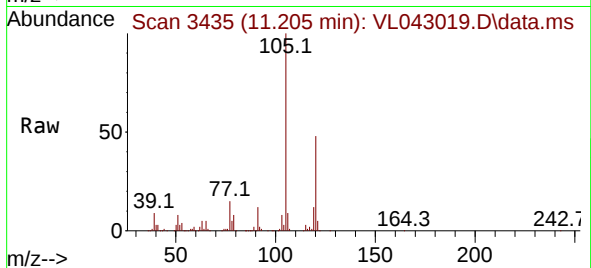
120 48.3 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#74

1,2,4-Trimethylbenzene

Concen: 2.112 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. -0.000 min

Lab File: VL043019.D

Acq: 30 Sep 2025 09:38

Tgt Ion:105 Resp: 143706

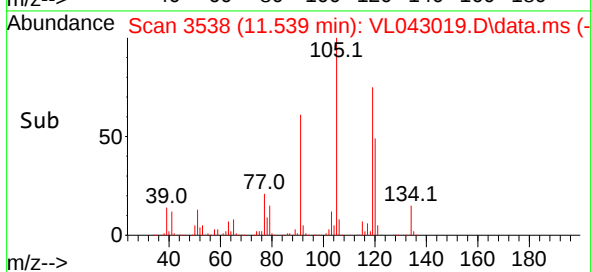
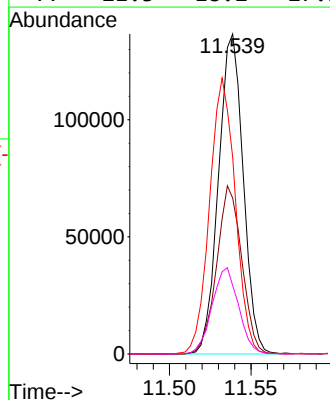
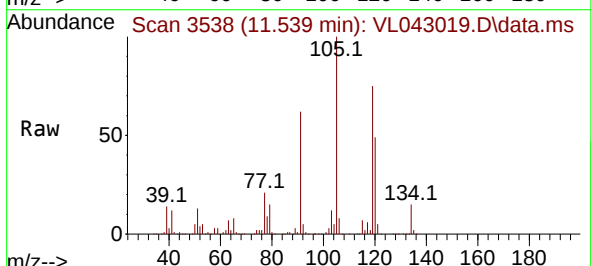
Ion Ratio Lower Upper

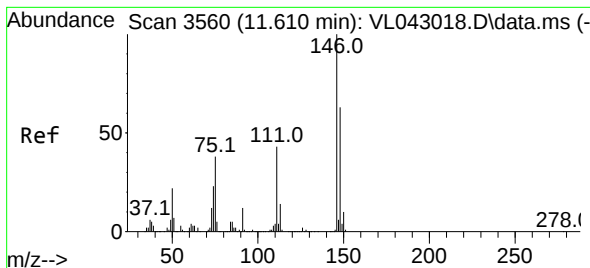
105 100

120 48.7 40.3 60.5

91 61.5 47.7 71.5

77 21.3 18.2 27.2





#75

1,3-Dichlorobenzene

Concen: 2.053 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. -0.000 min

Lab File: VL043019.D

Acq: 30 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

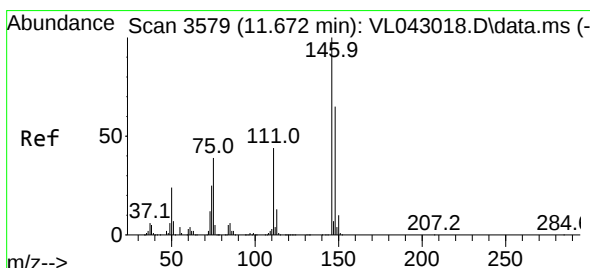
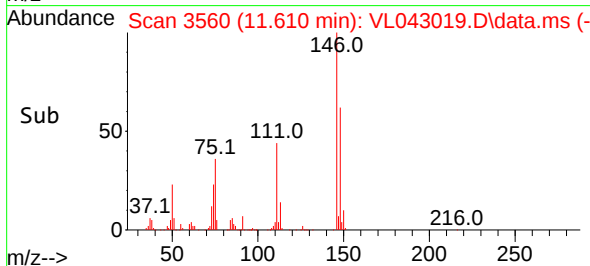
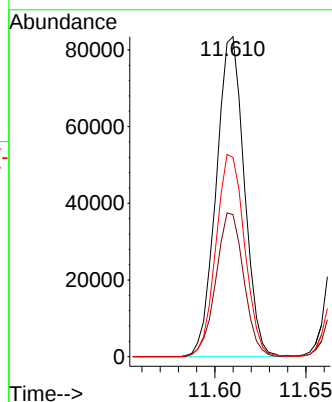
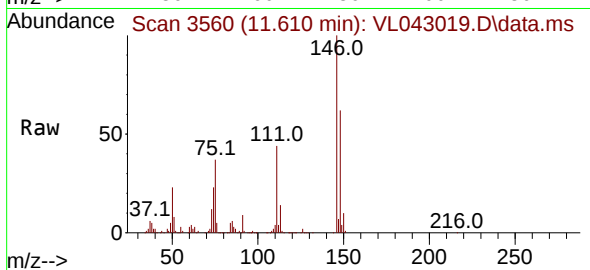
VSTDIC002

Tgt Ion:	146	Resp:	8922
Ion Ratio	Lower	Upper	
146	100		
111	44.7	22.0	66.0
148	64.6	31.9	95.7

Manual Integrations

APPROVED

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



#76

1,4-Dichlorobenzene

Concen: 2.053 ppbv

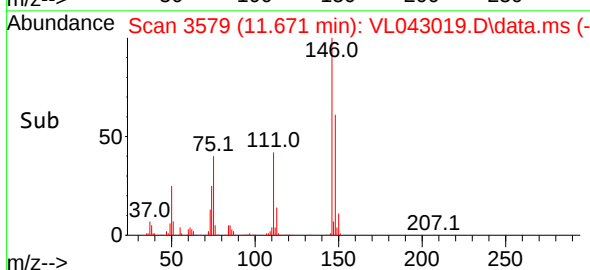
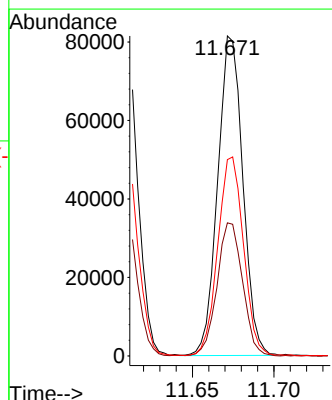
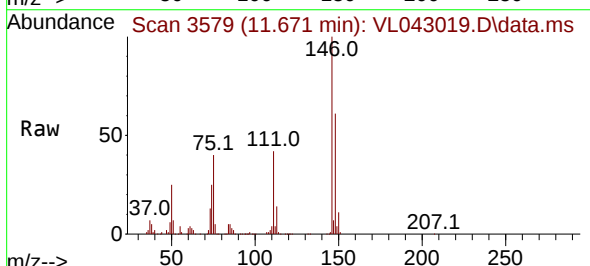
RT: 11.671 min Scan# 3579

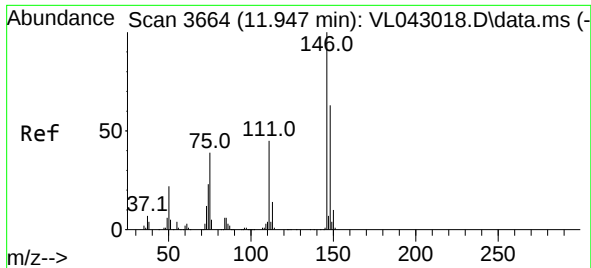
Delta R.T. -0.000 min

Lab File: VL043019.D

Acq: 30 Sep 2025 09:38

Tgt Ion:	146	Resp:	87198
Ion Ratio	Lower	Upper	
146	100		
111	42.4	21.9	65.5
148	64.2	32.4	97.2





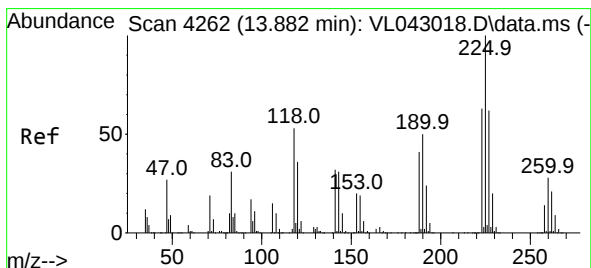
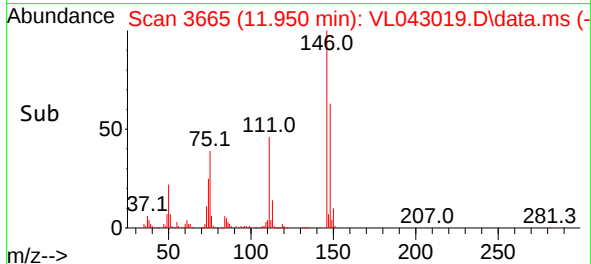
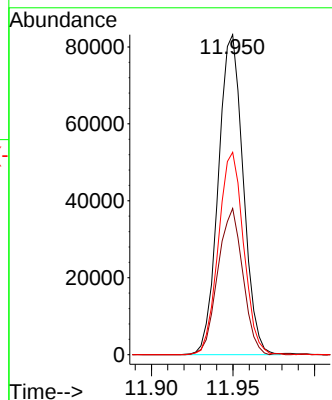
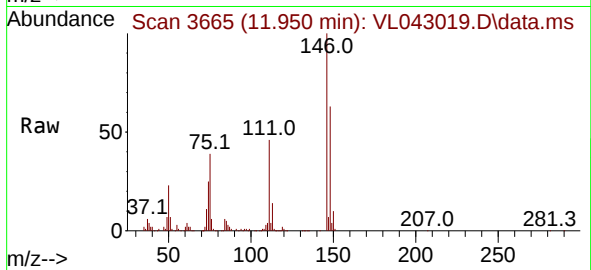
#77
1,2-Dichlorobenzene
Concen: 2.076 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.003 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 8811
Ion Ratio Lower Upper
146 100
111 45.9 22.9 68.5
148 64.4 31.8 95.4

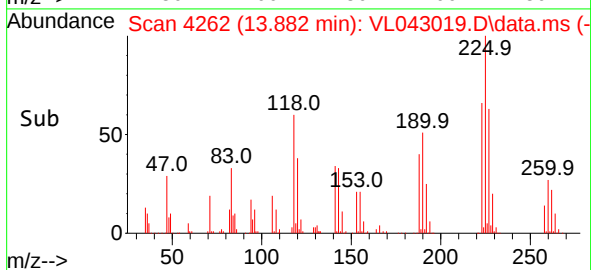
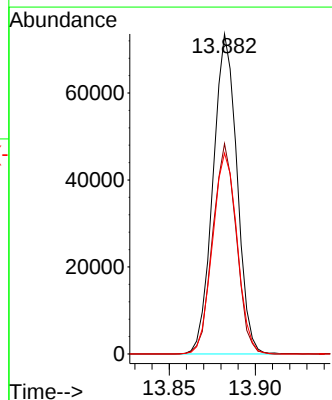
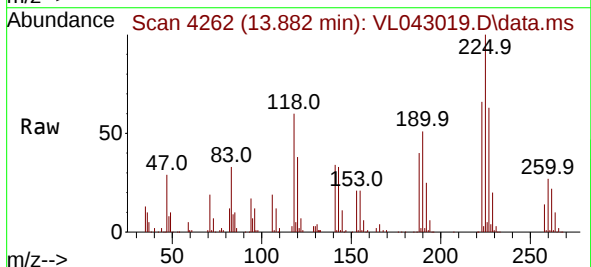
Manual Integrations
APPROVED

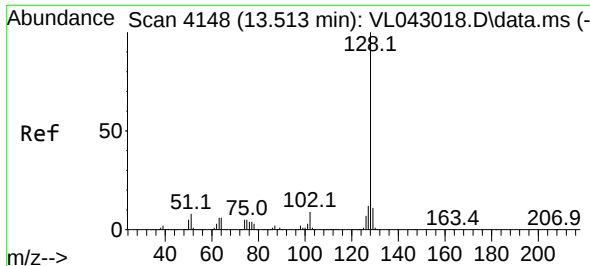
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#78
Hexachloro-1,3-Butadiene
Concen: 2.100 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

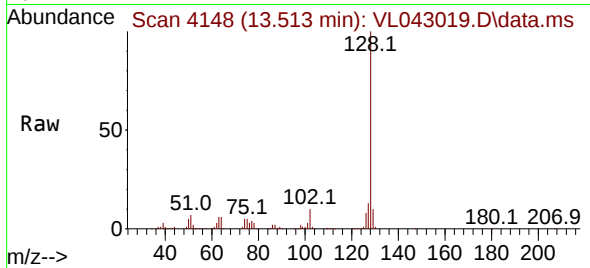
Tgt Ion:225 Resp: 71270
Ion Ratio Lower Upper
225 100
223 64.6 50.9 76.3
227 64.4 50.3 75.5





#79
Naphthalene
Concen: 2.424 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. -0.000 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

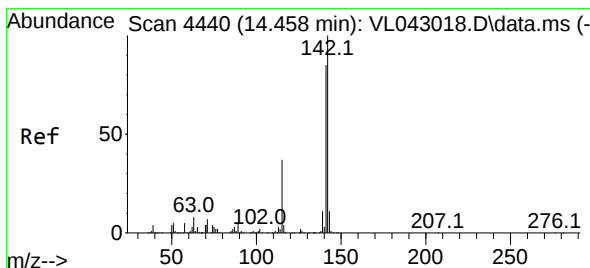
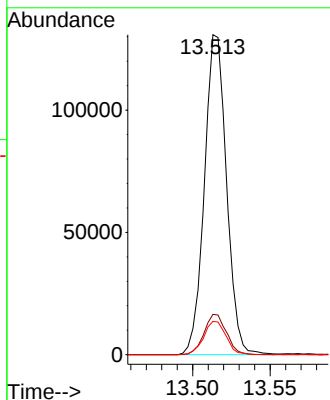
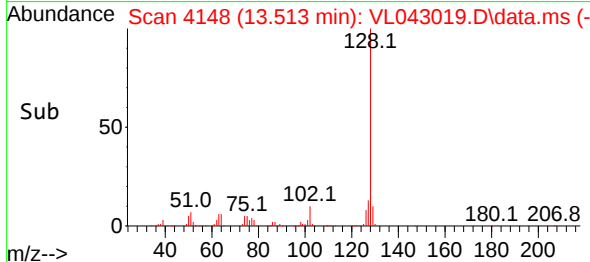
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion:128 Resp: 130088
Ion Ratio Lower Upper
128 100
127 12.6 9.9 14.9
129 10.4 8.6 13.0

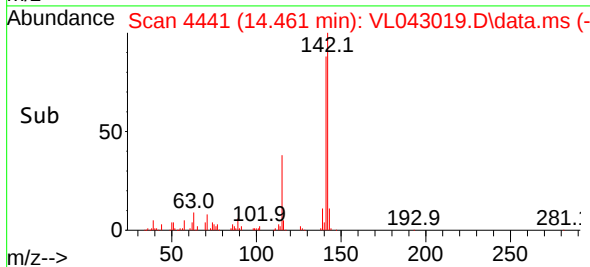
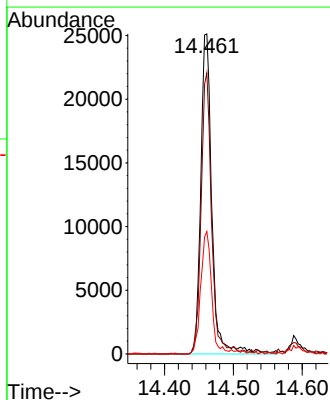
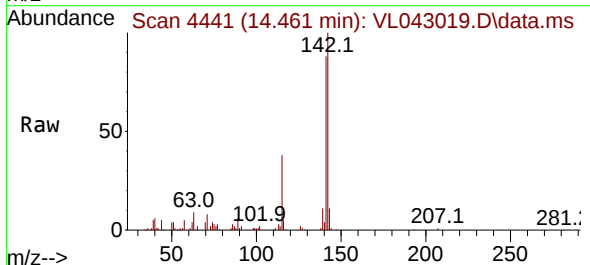
Manual Integrations
APPROVED

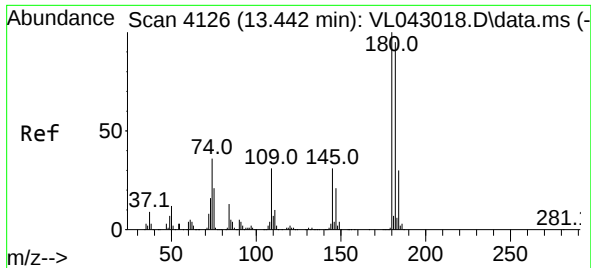
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#80
Naphthalene,2-methyl-
Concen: 2.026 ppbv
RT: 14.461 min Scan# 4441
Delta R.T. 0.003 min
Lab File: VL043019.D
Acq: 30 Sep 2025 09:38

Tgt Ion:142 Resp: 28131
Ion Ratio Lower Upper
142 100
141 82.6 67.0 100.4
115 38.7 29.8 44.6





#81

1,2,4-Trichlorobenzene

Concen: 2.204 ppbv

RT: 13.442 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL043019.D

Acq: 30 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:180 Resp: 71749

Ion Ratio Lower Upper

180 100

182 96.7 75.8 113.8

184 30.3 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025

