

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082125\
 Data File : VL042866.D
 Acq On : 21 Aug 2025 13:57
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/25/2025
 Supervised By :Semsettin Yesilyurt 08/25/2025

Quant Time: Aug 22 01:22:35 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 22 01:22:35 2025

QLast Update : Thu Aug 14 02:12:54 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	135675	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	398583	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	346592	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.384 95 271488 10.444 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	189359	9.523	ppbv	98
3) Chlorodifluoromethane	1.476	51	210097	9.559	ppbv	98
4) Chloromethane	1.535	50	74712	9.311	ppbv	98
5) Vinyl Chloride	1.583	62	66393	8.401	ppbv	97
6) Bromomethane	1.671	94	26683	8.444	ppbv	93
7) Chloroethane	1.706	64	27548	8.926	ppbv	95
8) Dichlorotetrafluoroethane	1.557	85	151166	9.290	ppbv	97
9) Propene	1.486	41	81852	8.623	ppbv	100
10) Heptane	4.991	43	224483	8.830	ppbv	99
11) Trichlorofluoromethane	1.881	101	184345	9.397	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	143859	9.200	ppbv	99
13) Ethanol	1.722	45	6106	7.035	ppbv	93
14) Bromoethene	1.784	108	52923	9.350	ppbv	97
15) Acetone	1.839	43	140292	7.817	ppbv	99
16) 1,3-Butadiene	1.612	39	68285	8.393	ppbv	98
17) tert-Butyl alcohol	2.043	59	179835	8.449	ppbv	99
18) 1,1-Dichloroethene	2.036	96	65451	9.521	ppbv	94
19) Isopropyl Alcohol	1.887	45	94719	8.836	ppbv	100
20) Methylene Chloride	2.065	84	57845	7.694	ppbv	95
21) Allyl Chloride	2.101	41	115088	9.077	ppbv	94
22) trans-1,2-Dichloroethene	2.344	96	72886	9.164	ppbv	95
23) Vinyl Acetate	2.467	43	223223	9.046	ppbv	99
24) 1,1-Dichloroethane	2.412	63	147636	9.295	ppbv	98
25) Ethyl Acetate	2.839	43	395790	9.112	ppbv	99
26) Hexane	2.833	57	183016	9.128	ppbv	97
27) Carbon Disulfide	2.153	76	183662	9.413	ppbv	98
28) Methyl tert-Butyl Ether	2.444	73	87913	8.599	ppbv	94
29) Chloroform	2.852	83	275819	9.635	ppbv	99
30) Cyclohexane	3.862	84	158629	9.024	ppbv	97
31) cis-1,2-Dichloroethene	2.726	61	183248	9.150	ppbv	99
32) 1,1,1-Trichloroethane	3.373	97	282219	9.329	ppbv	99
34) 2-Butanone	2.561	43	259023	9.624	ppbv	100
35) Carbon Tetrachloride	3.771	117	279479	10.171	ppbv	99
36) Benzene	3.664	78	374488	9.812	ppbv	98
37) 1,2-Dichloroethane	3.224	62	215395	10.802	ppbv	98
38) Trichloroethene	4.554	130	161583	9.270	ppbv	99
39) 1,2-Dichloropropane	4.325	63	135983	9.755	ppbv	96
40) 1,4-Dioxane	4.590	88	58014	8.752	ppbv #	89
41) Tetrahydrofuran	3.059	42	142703	9.510	ppbv	98
42) Bromodichloromethane	4.499	83	306223	10.306	ppbv	96
43) Methyl Methacrylate	4.891	69	144346	9.180	ppbv	97
44) 2,2,4-Trimethylpentane	4.648	57	613984	9.478	ppbv	99
45) t-1,3-Dichloropropene	6.425	75	169217	9.536	ppbv	97

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

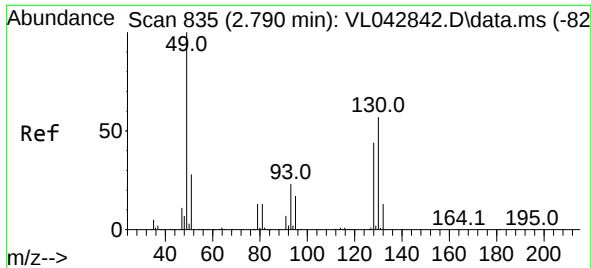
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Thu Aug 14 02:12:54 2025

Response via : Initial Calibration

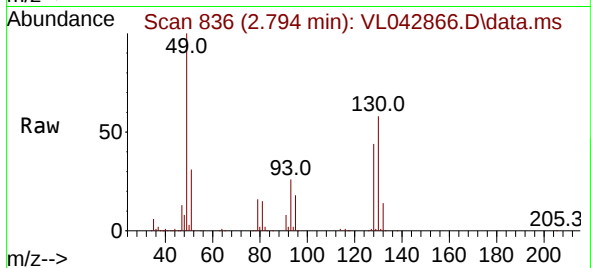
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	216363	9.786	ppbv	93
47) 1,1,2-Trichloroethane	6.590	97	145986	9.884	ppbv	95
48) Dibromochloromethane	7.399	129	240130	10.047	ppbv	99
49) Bromoform	9.490	173	190549	9.668	ppbv	99
50) 4-Methyl-2-Pentanone	5.762	43	346674	9.530	ppbv	100
51) 2-Hexanone	7.445	43	279062	9.748	ppbv #	100
52) Tetrachloroethene	8.235	164	118856	8.608	ppbv	91
53) Toluene	6.946	91	425137	9.369	ppbv	99
54) 1,2-Dibromoethane	7.662	107	212261	9.834	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.934	131	174517	9.737	ppbv	99
57) Chlorobenzene	8.930	112	324377	9.843	ppbv	97
58) Ethyl Benzene	9.364	91	603652	9.870	ppbv	99
59) m/p-Xylene	9.562	91	952988m	19.878	ppbv	
60) o-Xylene	9.973	91	471605	9.779	ppbv	100
61) Styrene	9.879	104	217205	9.613	ppbv	100
62) Isopropylbenzene	10.549	105	683663	9.700	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.973	83	254261	9.587	ppbv	99
64) n-propylbenzene	10.995	120	173123	9.628	ppbv	94
65) tert-Butylbenzene	11.539	119	581575	9.361	ppbv	97
66) Benzyl Chloride	11.620	91	62086	7.872	ppbv	98
67) sec-Butylbenzene	11.772	105	840030	9.632	ppbv	99
69) p-Isopropyltoluene	11.931	119	692260	9.246	ppbv	98
70) n-Butylbenzene	12.287	91	723303	9.741	ppbv	98
71) 2-Chlorotoluene	10.908	91	530205	9.689	ppbv	97
72) 4-Ethyltoluene	11.131	105	574460	9.826	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	477078	9.596	ppbv	96
74) 1,2,4-Trimethylbenzene	11.542	105	522237	9.570	ppbv	97
75) 1,3-Dichlorobenzene	11.614	146	293599	9.464	ppbv	98
76) 1,4-Dichlorobenzene	11.678	146	294847	9.398	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	285521	9.400	ppbv	99
78) Hexachloro-1,3-Butadiene	13.886	225	191515	7.693	ppbv	100
79) Naphthalene	13.517	128	470360	9.508	ppbv	98
80) Naphthalene,2-methyl-	14.462	142	146081	7.902	ppbv	98
81) 1,2,4-Trichlorobenzene	13.445	180	229848	9.244	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 835
Delta R.T. 0.004 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

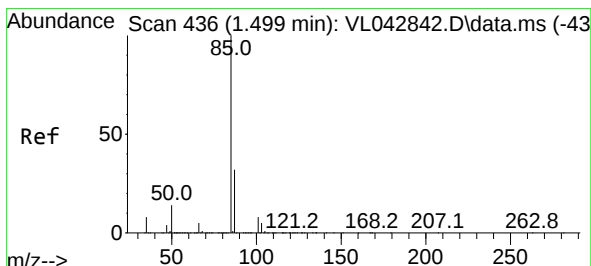
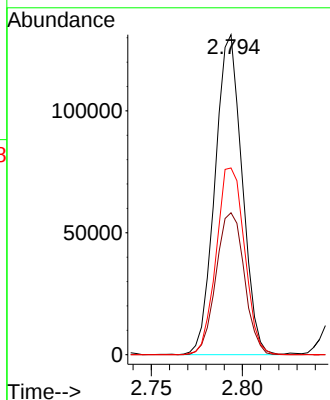
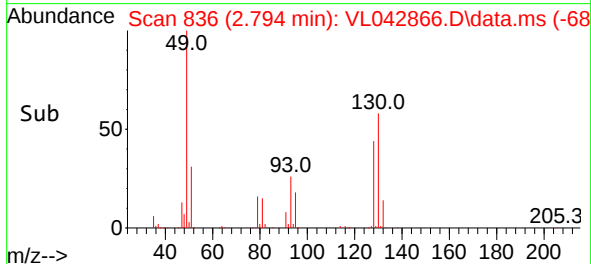
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 49 Resp: 135679
Ion Ratio Lower Upper
49 100
128 46.2 23.7 71.1
130 61.0 30.6 91.6

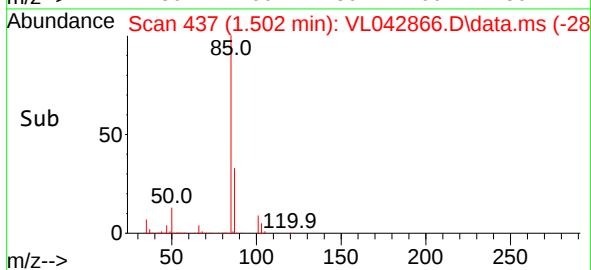
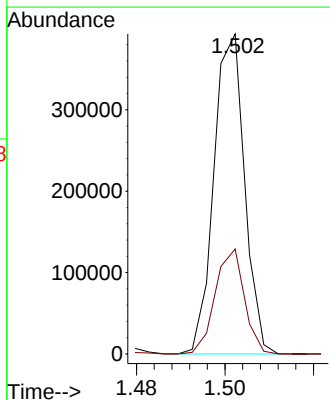
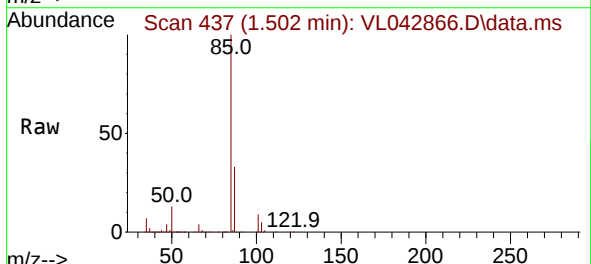
Manual Integrations
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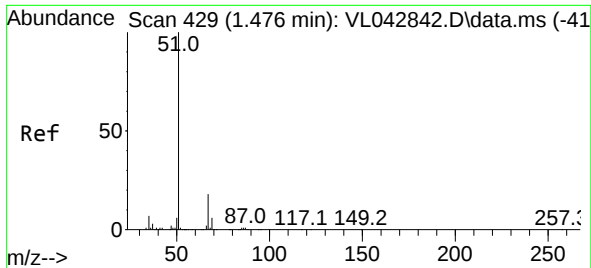
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#2
Dichlorodifluoromethane
Concen: 9.523 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

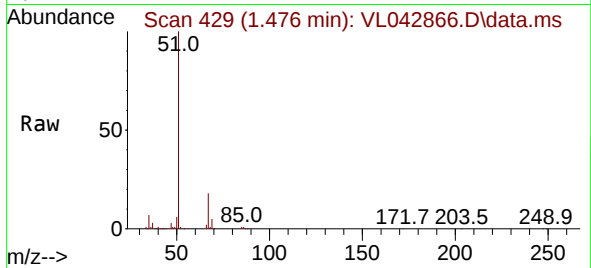
Tgt Ion: 85 Resp: 189359
Ion Ratio Lower Upper
85 100
87 32.8 25.3 37.9





#3
Chlorodifluoromethane
Concen: 9.559 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

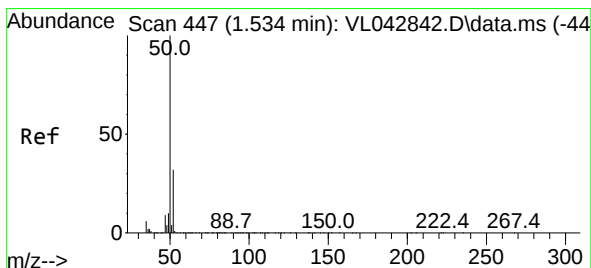
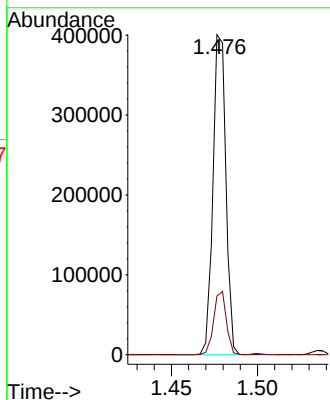
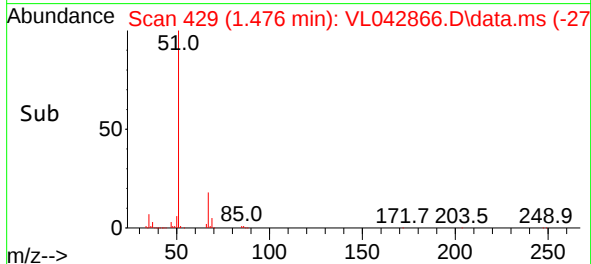
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



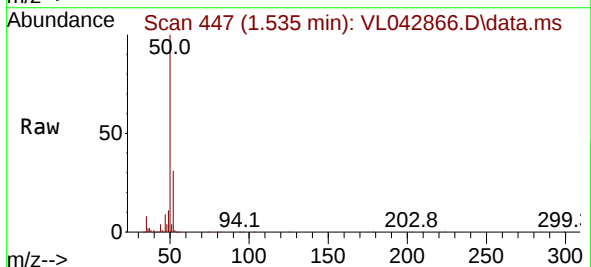
Tgt Ion: 51 Resp: 210097
Ion Ratio Lower Upper
51 100
67 19.5 14.9 22.3

Manual Integrations
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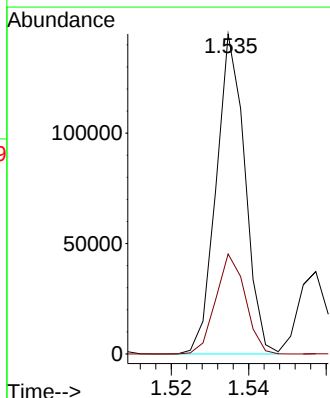
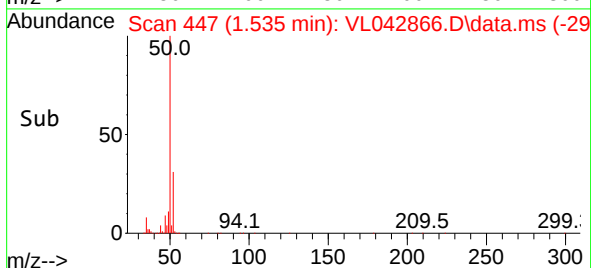
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

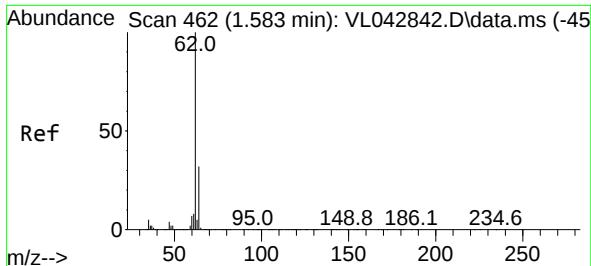


#4
Chloromethane
Concen: 9.311 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57



Tgt Ion: 50 Resp: 74712
Ion Ratio Lower Upper
50 100
52 31.3 25.9 38.9





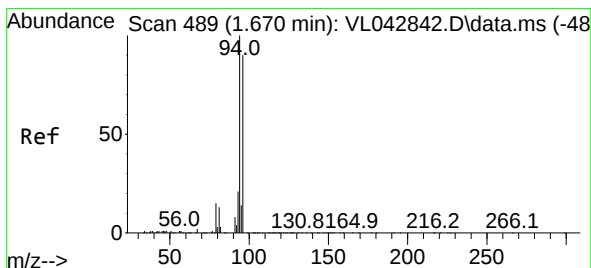
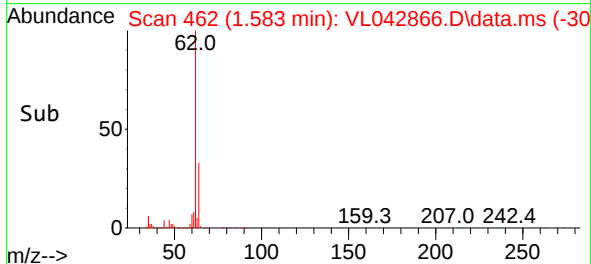
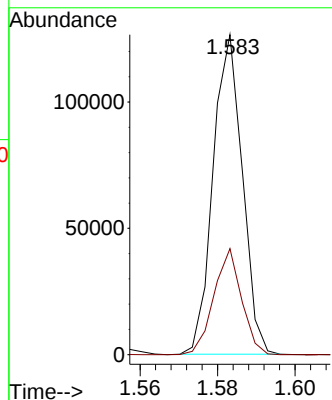
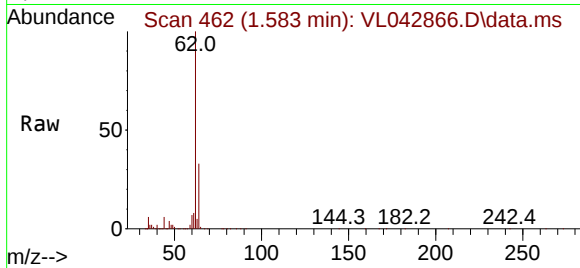
#5
 Vinyl Chloride
 Concen: 8.401 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL042866.D
 Acq: 21 Aug 2025 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 6639
 Ion Ratio Lower Upper
 62 100
 64 33.2 25.4 38.2

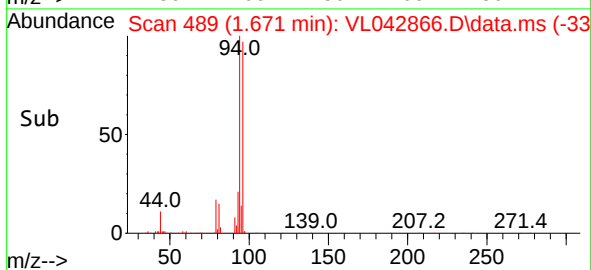
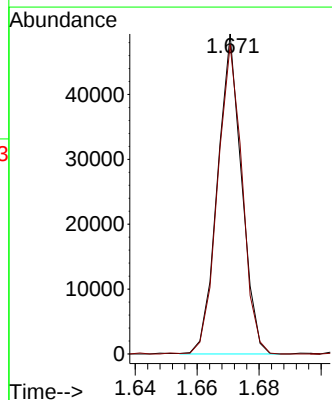
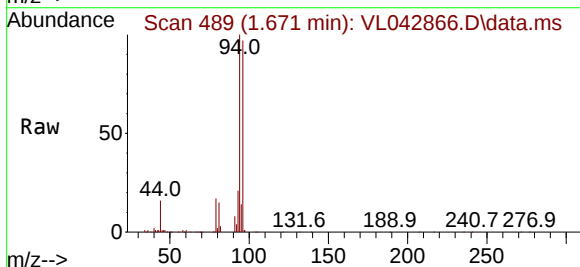
Manual Integrations
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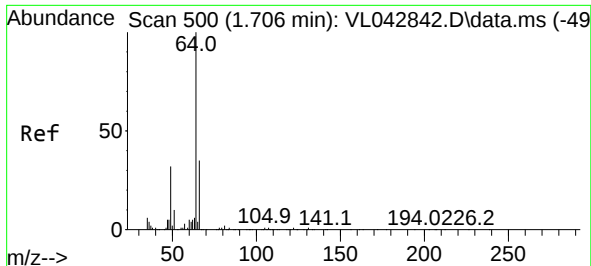
Reviewed By :Mahesh Dadoda 08/25/2025
 Supervised By :Semsettin Yesilyurt 08/25/2025



#6
 Bromomethane
 Concen: 8.444 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL042866.D
 Acq: 21 Aug 2025 13:57

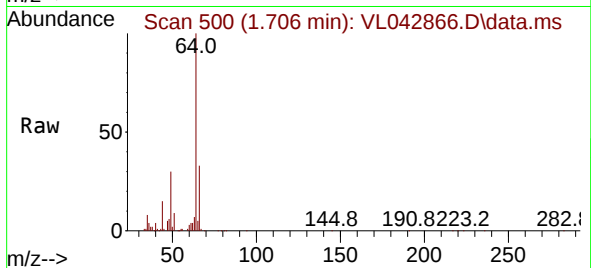
Tgt Ion: 94 Resp: 26683
 Ion Ratio Lower Upper
 94 100
 96 96.7 72.1 108.1





#7
Chloroethane
Concen: 8.926 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

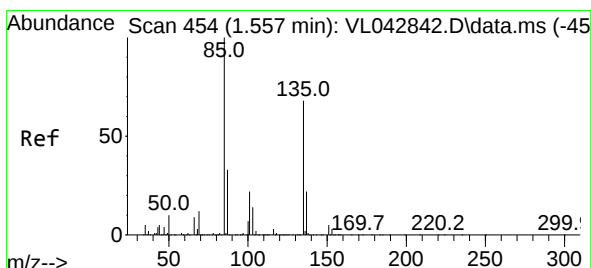
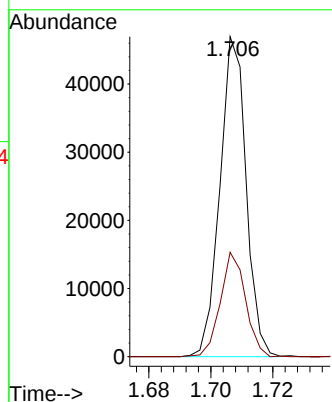
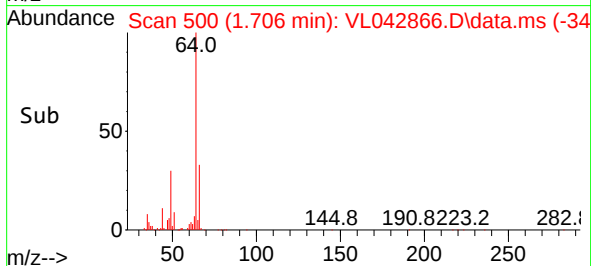
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



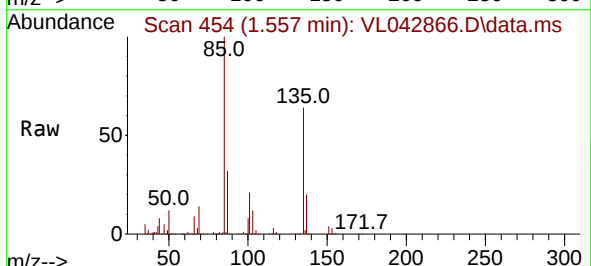
Tgt Ion: 64 Resp: 27548
Ion Ratio Lower Upper
64 100
66 32.6 28.6 42.8

Manual Integrations
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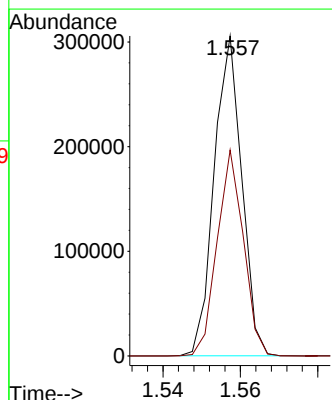
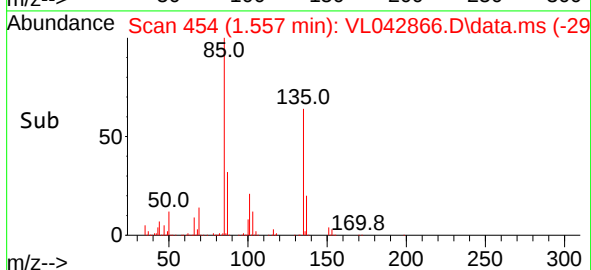
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

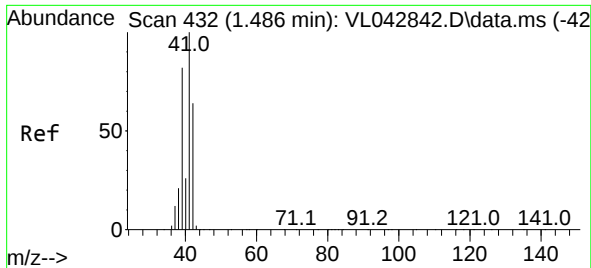


#8
Dichlorotetrafluoroethane
Concen: 9.290 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57



Tgt Ion: 85 Resp: 151166
Ion Ratio Lower Upper
85 100
135 61.5 51.2 76.8





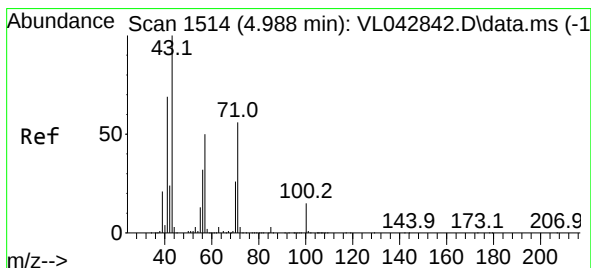
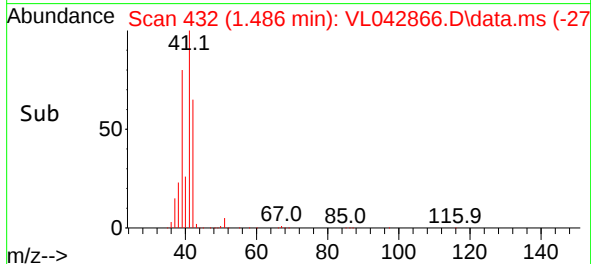
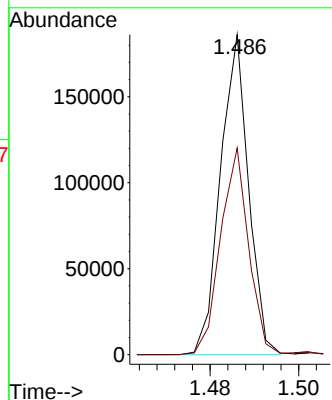
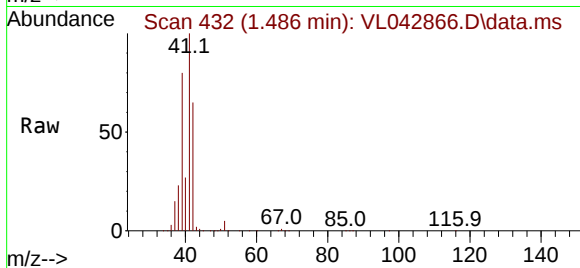
#9
 Propene
 Concen: 8.623 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042866.D
 Acq: 21 Aug 2025 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 81852
 Ion Ratio Lower Upper
 41 100
 42 65.8 53.0 79.4

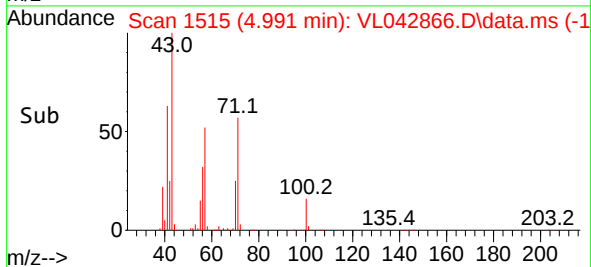
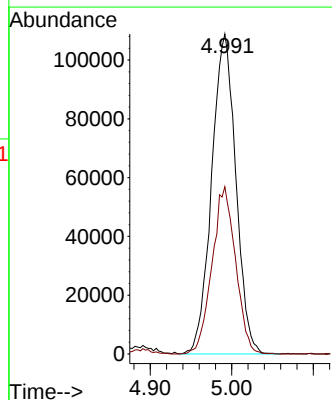
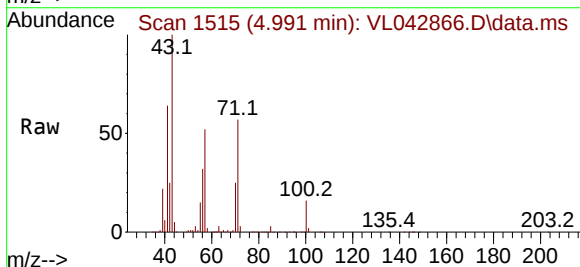
Manual Integrations
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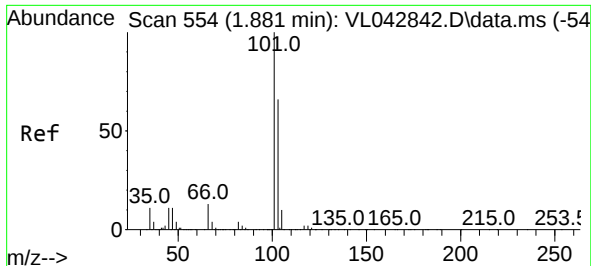
Reviewed By :Mahesh Dadoda 08/25/2025
 Supervised By :Semsettin Yesilyurt 08/25/2025



#10
 Heptane
 Concen: 8.830 ppbv
 RT: 4.991 min Scan# 1515
 Delta R.T. 0.003 min
 Lab File: VL042866.D
 Acq: 21 Aug 2025 13:57

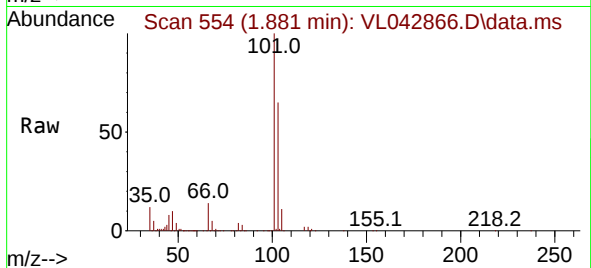
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 Ion Ratio Lower Upper
 43 100
 57 50.8 41.4 62.0





#11
 Trichlorofluoromethane
 Concen: 9.397 ppbv
 RT: 1.881 min Scan# 554
 Delta R.T. 0.000 min
 Lab File: VL042866.D
 Acq: 21 Aug 2025 13:57

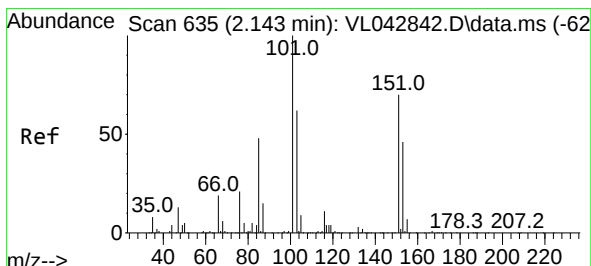
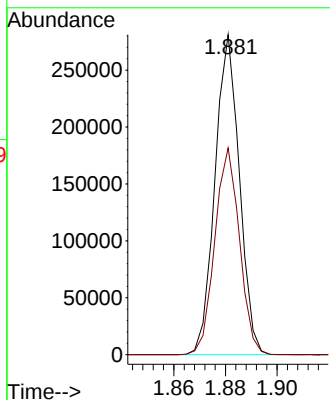
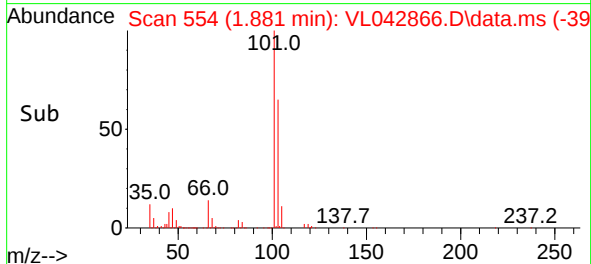
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



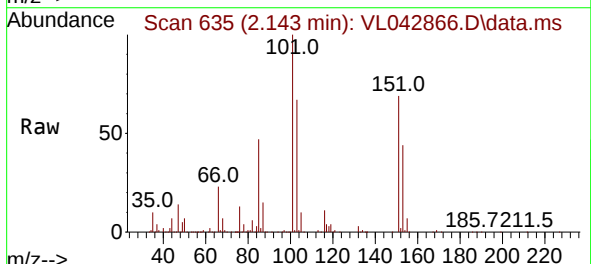
Tgt Ion:101 Resp: 184349
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.5 78.7

Manual Integrations
 APPROVED

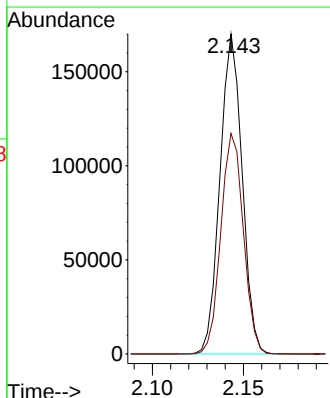
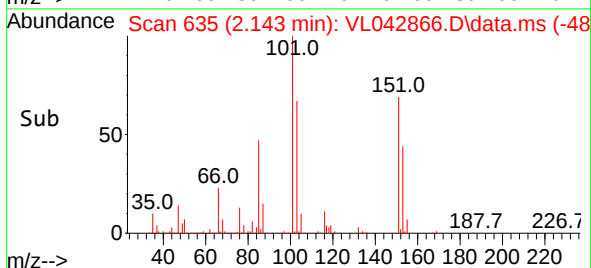
Reviewed By :Mahesh Dadoda 08/25/2025
 Supervised By :Semsettin Yesilyurt 08/25/2025

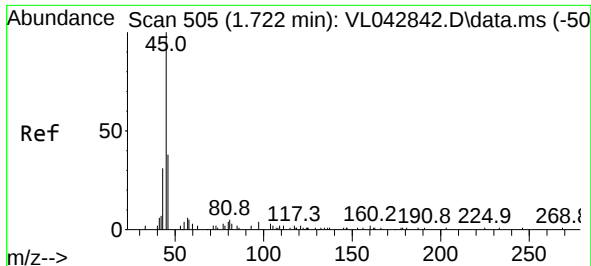


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.200 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: VL042866.D
 Acq: 21 Aug 2025 13:57



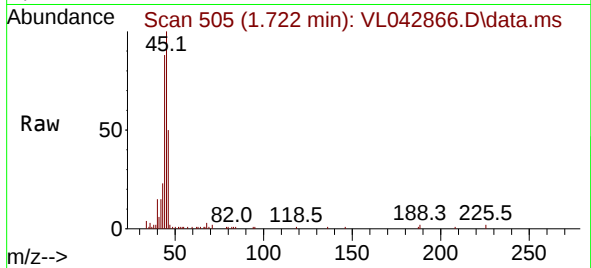
Tgt Ion:101 Resp: 143859
 Ion Ratio Lower Upper
 101 100
 151 70.0 56.4 84.6





#13
Ethanol
Concen: 7.035 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

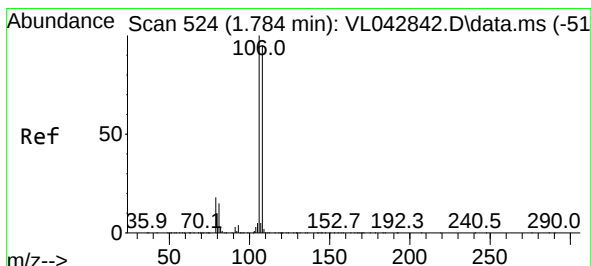
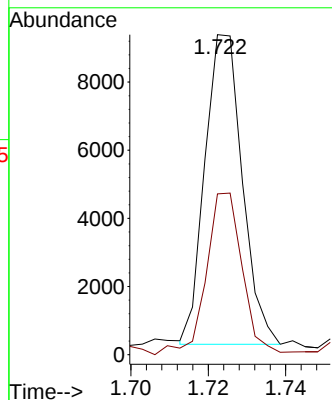
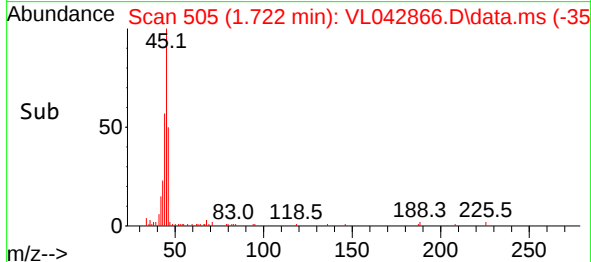
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



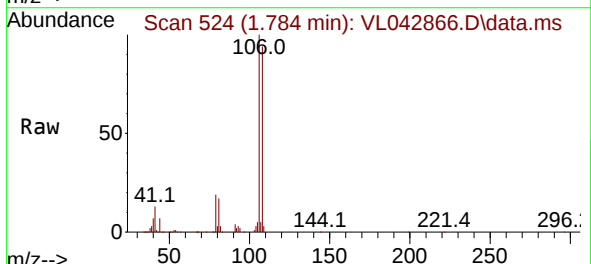
Tgt Ion: 45 Resp: 6100
Ion Ratio Lower Upper
45 100
46 48.4 17.5 69.9

Manual Integrations
APPROVED

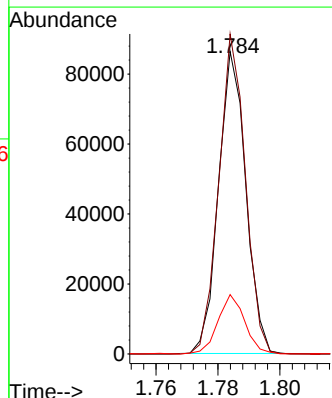
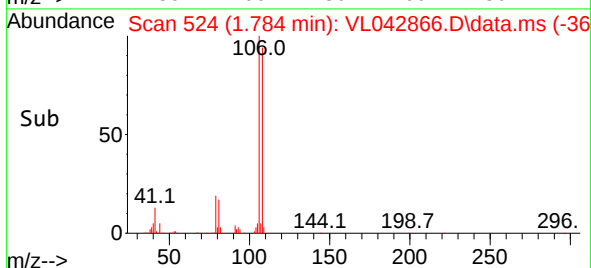
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

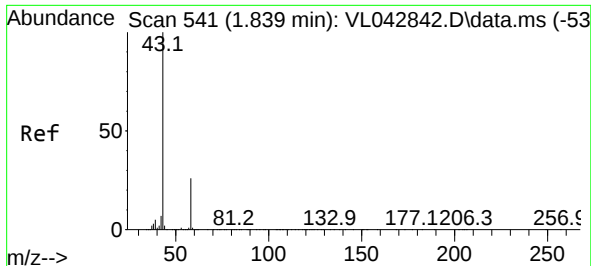


#14
Bromoethene
Concen: 9.350 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57



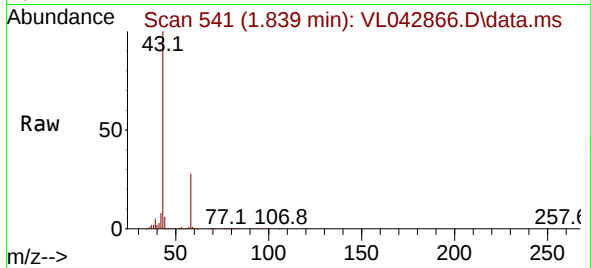
Tgt Ion:108 Resp: 52923
Ion Ratio Lower Upper
108 100
106 103.2 85.1 127.7
79 19.4 16.3 24.5





#15
Acetone
Concen: 7.817 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

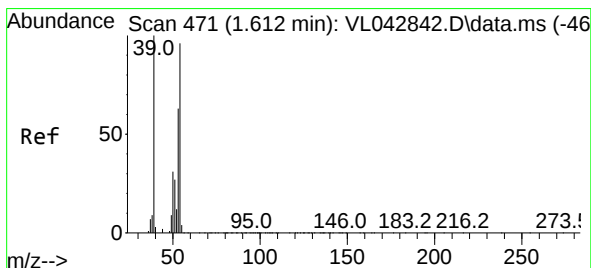
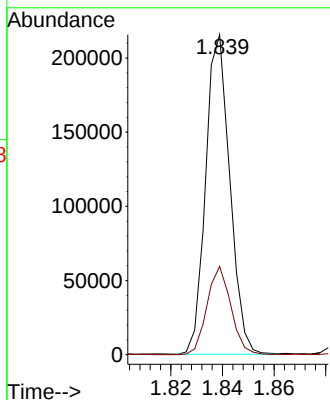
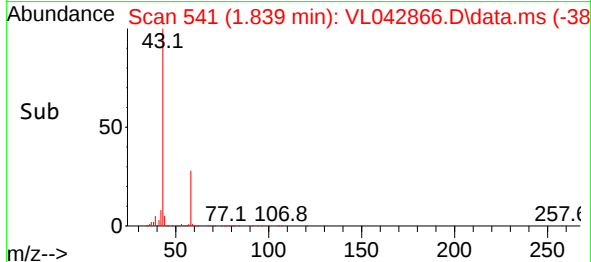
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



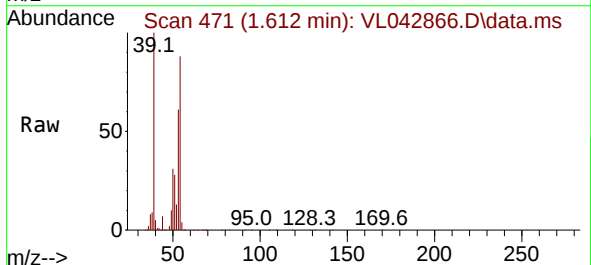
Tgt Ion: 43 Resp: 140292
Ion Ratio Lower Upper
43 100
58 27.6 22.4 33.6

Manual Integrations
APPROVED

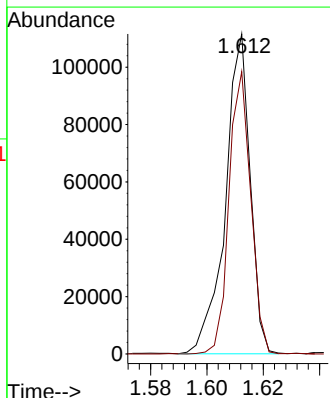
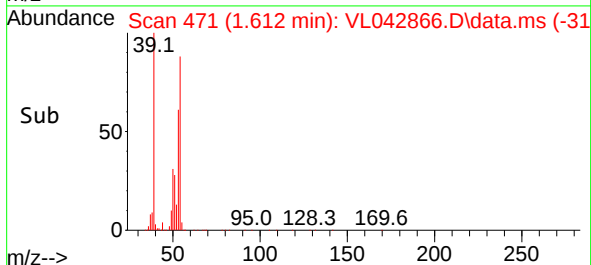
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

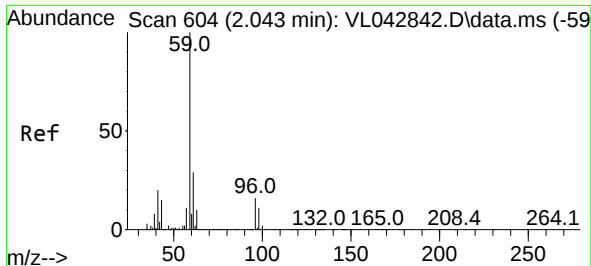


#16
1,3-Butadiene
Concen: 8.393 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57



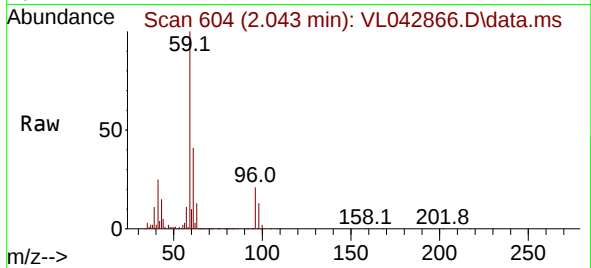
Tgt Ion: 39 Resp: 68285
Ion Ratio Lower Upper
39 100
54 77.3 63.6 95.4





#17
tert-Butyl alcohol
Concen: 8.449 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

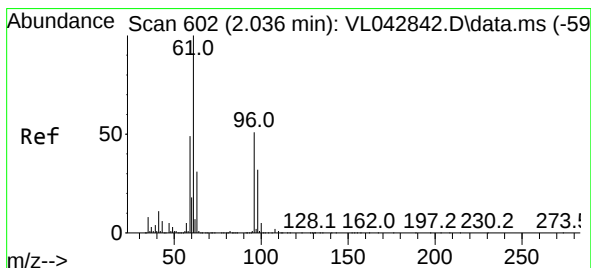
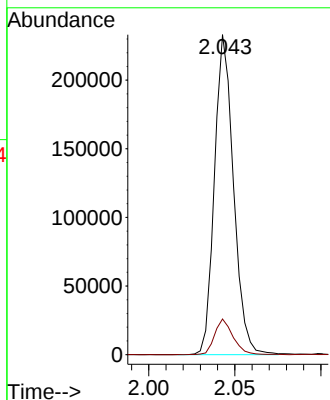
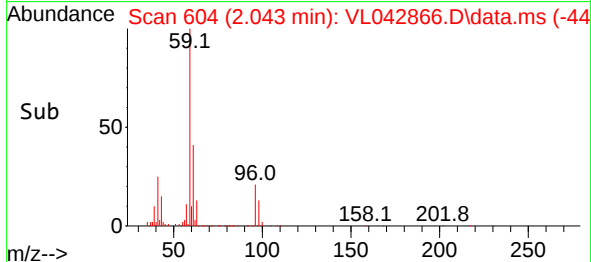
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



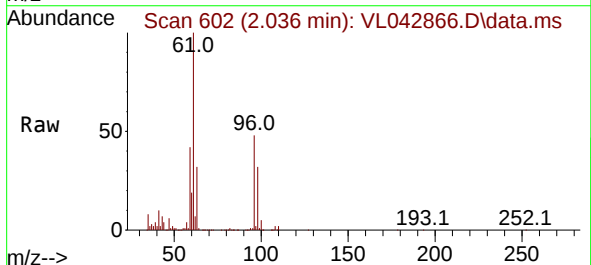
Tgt Ion: 59 Resp: 17983
Ion Ratio Lower Upper
59 100
57 11.0 9.0 13.4

Manual Integrations
APPROVED

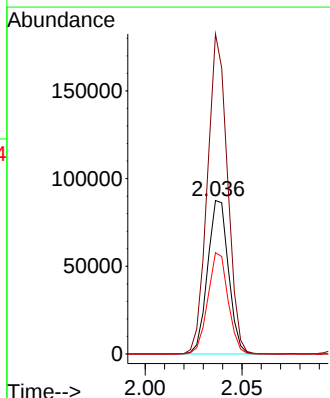
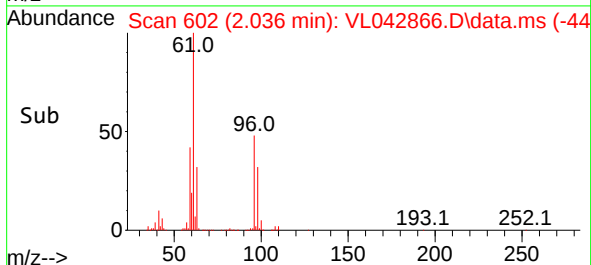
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

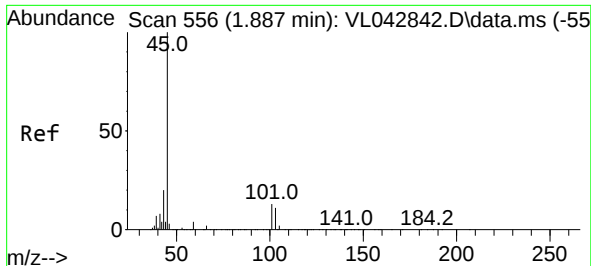


#18
1,1-Dichloroethene
Concen: 9.521 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57



Tgt Ion: 96 Resp: 65451
Ion Ratio Lower Upper
96 100
61 208.5 158.2 237.4
98 66.0 50.6 76.0





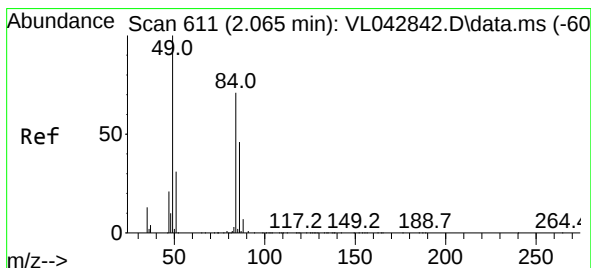
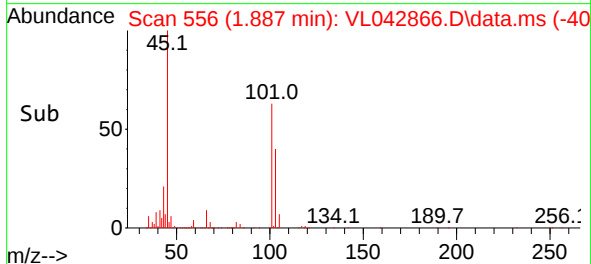
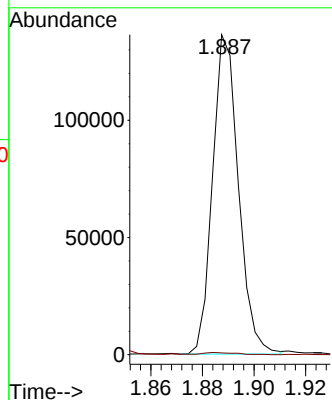
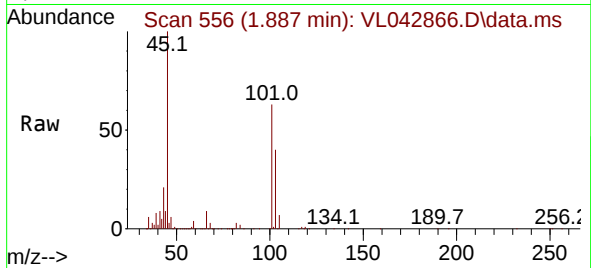
#19
Isopropyl Alcohol
Concen: 8.836 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 94719
Ion Ratio Lower Upper
45 100
58 40.8 32.7 49.1

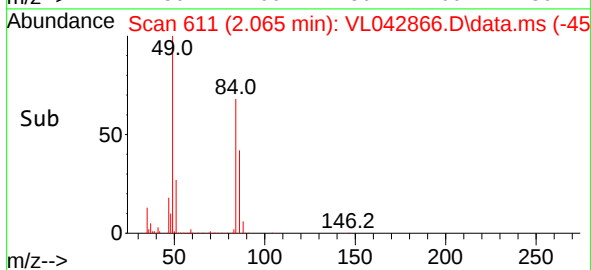
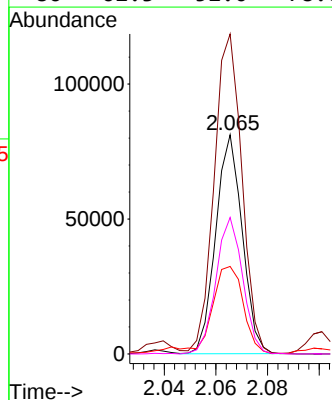
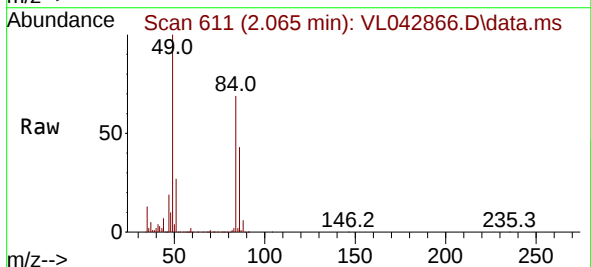
Manual Integrations
APPROVED

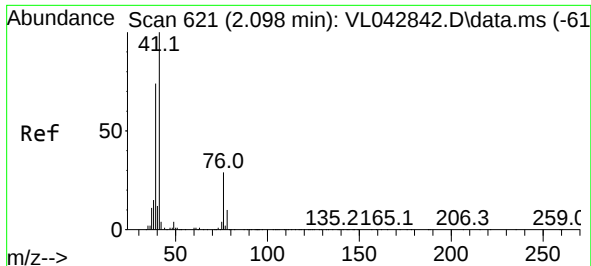
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#20
Methylene Chloride
Concen: 7.694 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

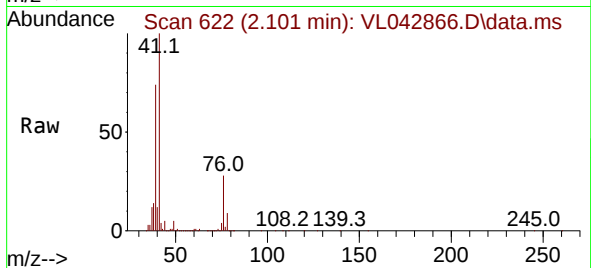
Tgt Ion: 84 Resp: 57845
Ion Ratio Lower Upper
84 100
49 145.9 112.3 168.5
51 39.7 36.0 54.0
86 62.3 52.0 78.0





#21
 Allyl Chloride
 Concen: 9.077 ppbv
 RT: 2.101 min Scan# 611
 Delta R.T. 0.003 min
 Lab File: VL042866.D
 Acq: 21 Aug 2025 13:57

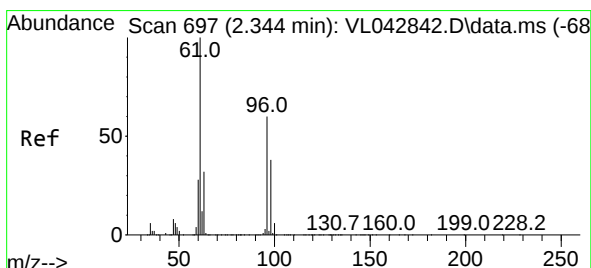
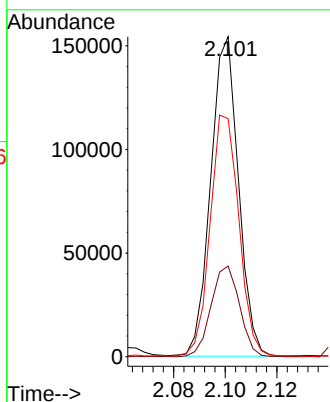
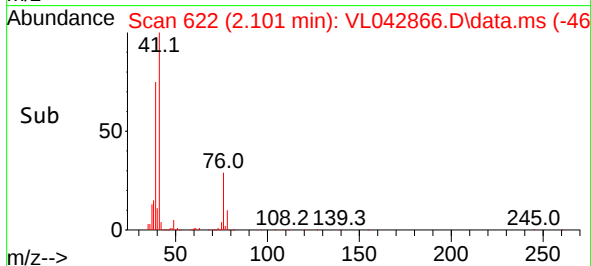
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 41 Resp: 115088
 Ion Ratio Lower Upper
 41 100
 76 29.1 23.9 35.9
 39 79.0 57.8 86.6

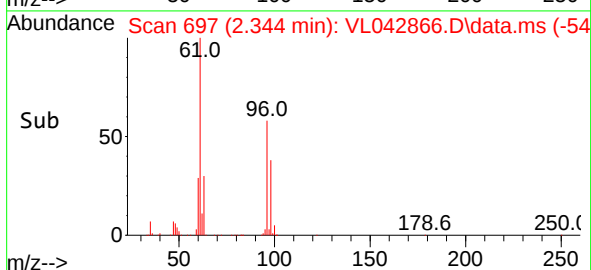
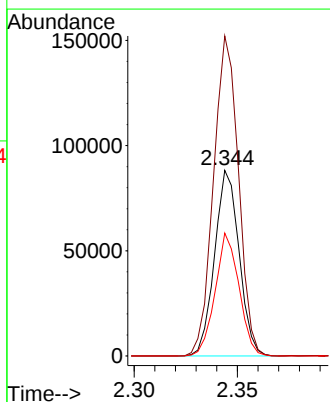
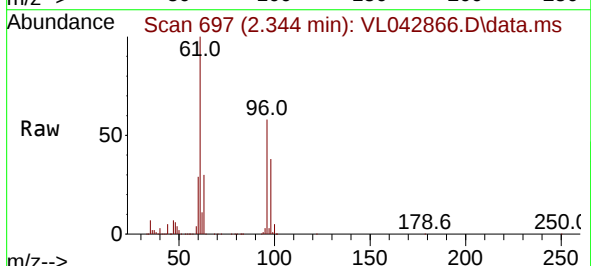
Manual Integrations
 APPROVED

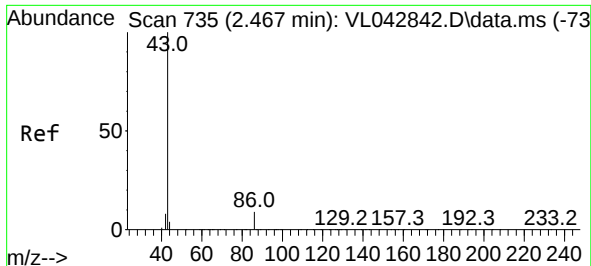
Reviewed By :Mahesh Dadoda 08/25/2025
 Supervised By :Semsettin Yesilyurt 08/25/2025



#22
 trans-1,2-Dichloroethene
 Concen: 9.164 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: VL042866.D
 Acq: 21 Aug 2025 13:57

Tgt Ion: 96 Resp: 72886
 Ion Ratio Lower Upper
 96 100
 61 172.4 132.6 199.0
 98 66.2 50.0 75.0





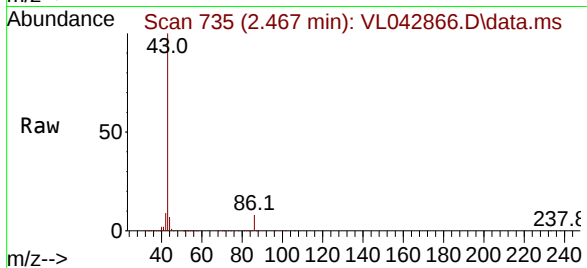
#23
 Vinyl Acetate
 Concen: 9.046 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042866.D
 Acq: 21 Aug 2025 13:57

Instrument :

MSVOA_L

ClientSampleId :

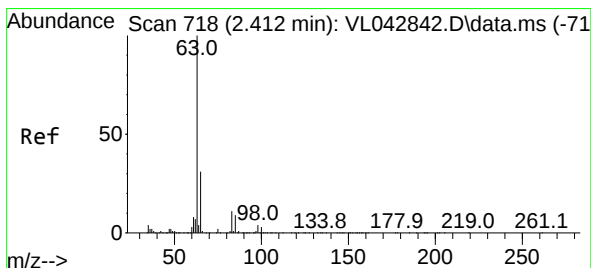
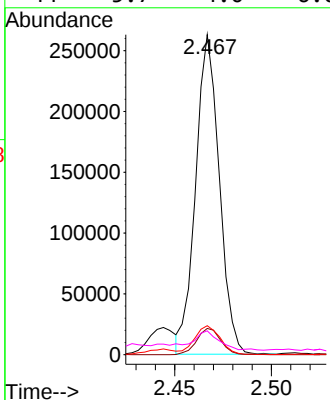
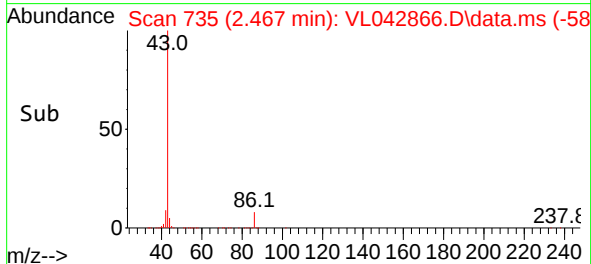
VSTDCCC010



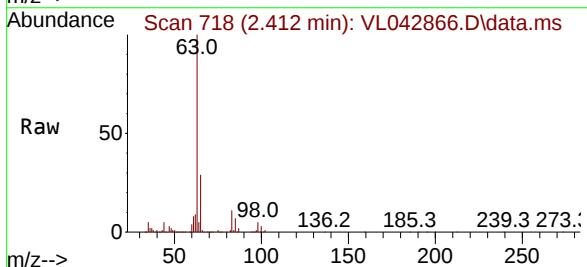
Tgt Ion: 43 Resp: 22322
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.6 9.8
 42 9.0 7.0 10.6
 44 5.7 4.0 6.0

Manual Integrations
 APPROVED

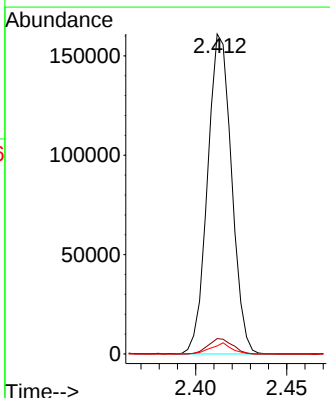
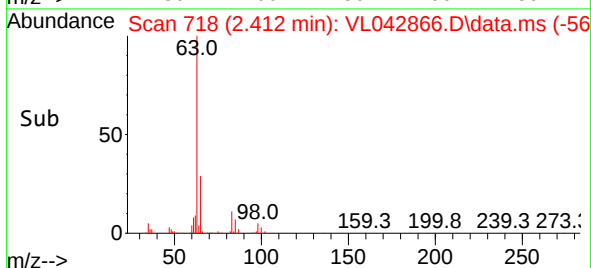
Reviewed By :Mahesh Dadoda 08/25/2025
 Supervised By :Semsettin Yesilyurt 08/25/2025



#24
 1,1-Dichloroethane
 Concen: 9.295 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042866.D
 Acq: 21 Aug 2025 13:57



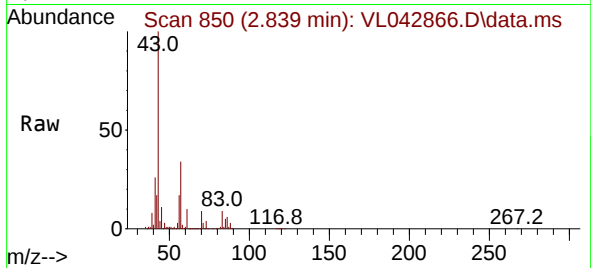
Tgt Ion: 63 Resp: 147636
 Ion Ratio Lower Upper
 63 100
 98 4.8 2.1 6.5
 100 2.5 1.7 5.1





#25
Ethyl Acetate
Concen: 9.112 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

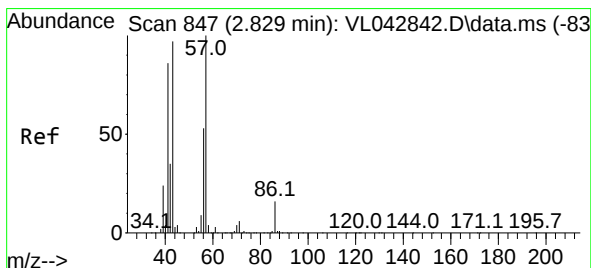
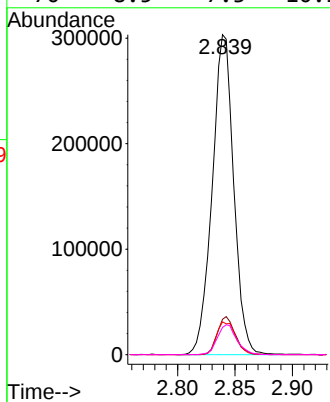
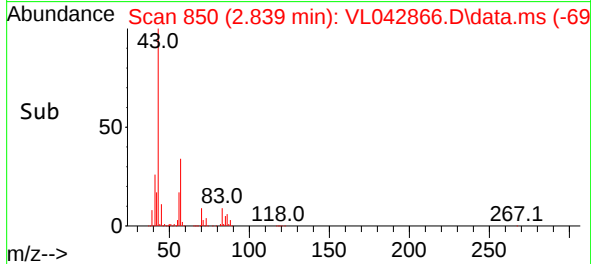
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



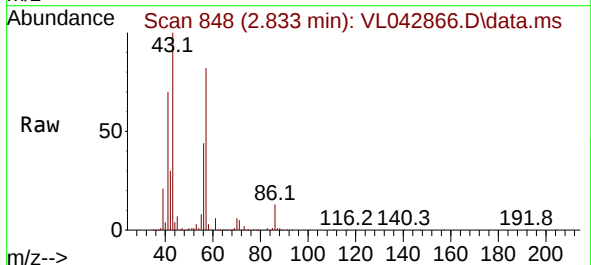
Tgt Ion: 43 Resp: 395790
Ion Ratio Lower Upper
43 100
45 10.0 8.1 12.1
61 9.1 7.4 11.2
70 8.5 7.3 10.9

Manual Integrations
APPROVED

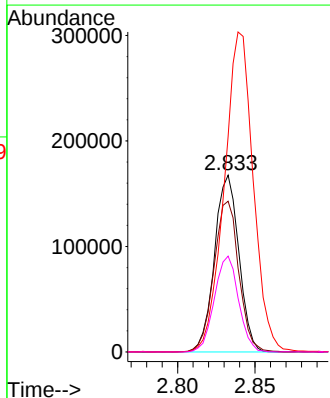
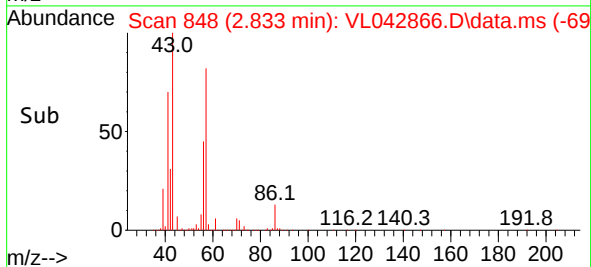
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

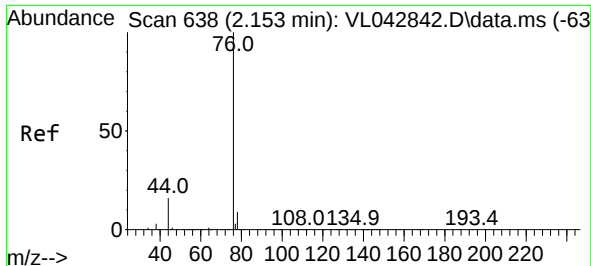


#26
Hexane
Concen: 9.128 ppbv
RT: 2.833 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57



Tgt Ion: 57 Resp: 183016
Ion Ratio Lower Upper
57 100
41 87.8 68.6 103.0
43 216.7 168.5 252.7
56 53.8 41.5 62.3





#27

Carbon Disulfide

Concen: 9.413 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL042866.D

Acq: 21 Aug 2025 13:57

Instrument :

MSVOA_L

ClientSampleId :

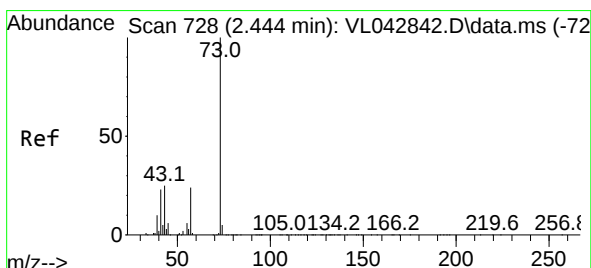
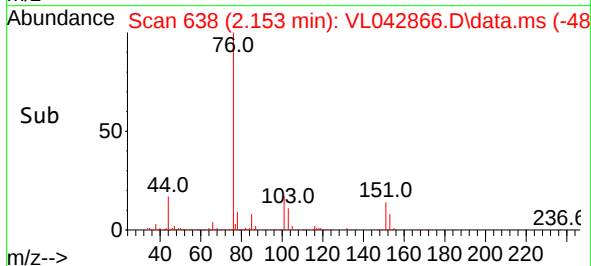
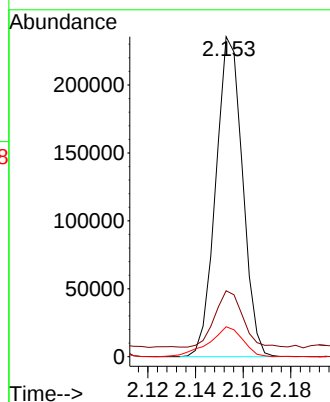
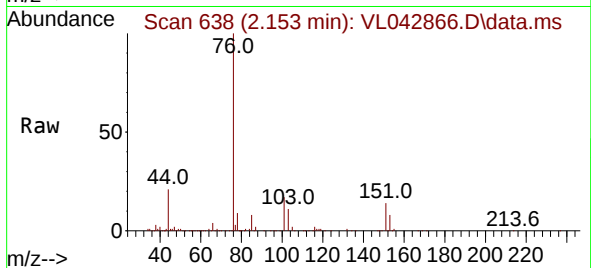
VSTDCCC010

Tgt Ion:	76	Resp:	18366
Ion Ratio	Lower	Upper	
76	100		
44	18.7	15.9	23.9
78	11.8	9.5	14.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#28

Methyl tert-Butyl Ether

Concen: 8.599 ppbv

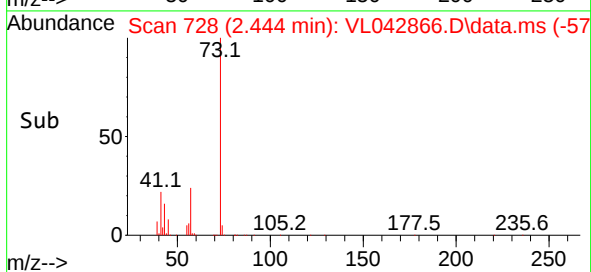
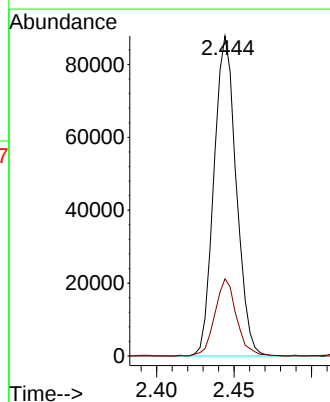
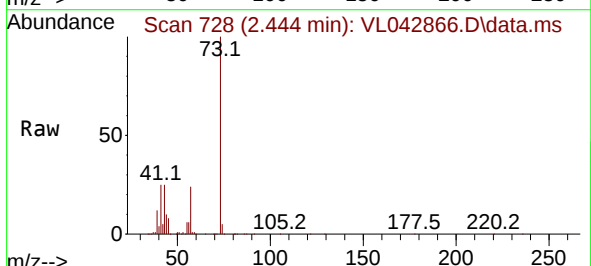
RT: 2.444 min Scan# 728

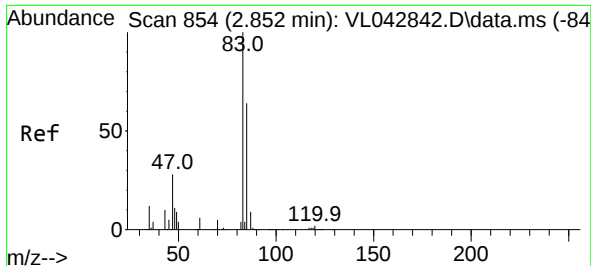
Delta R.T. 0.000 min

Lab File: VL042866.D

Acq: 21 Aug 2025 13:57

Tgt Ion:	73	Resp:	87913
Ion Ratio	Lower	Upper	
73	100		
57	23.9	21.6	32.4





#29

Chloroform

Concen: 9.635 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.000 min

Lab File: VL042866.D

Acq: 21 Aug 2025 13:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 275819

Ion Ratio Lower Upper

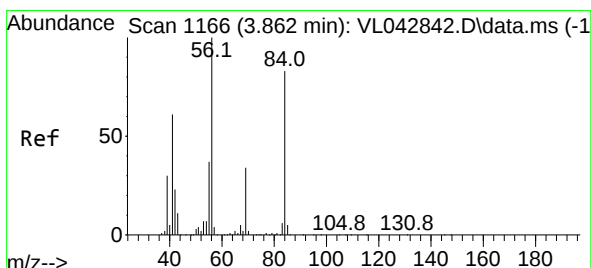
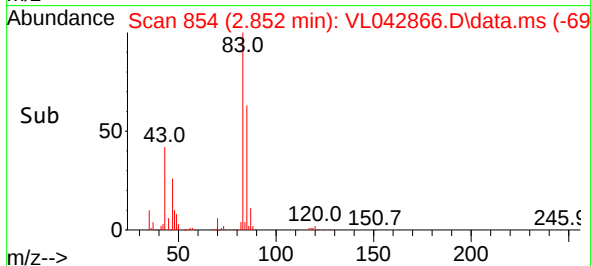
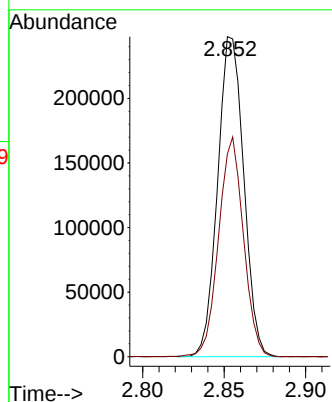
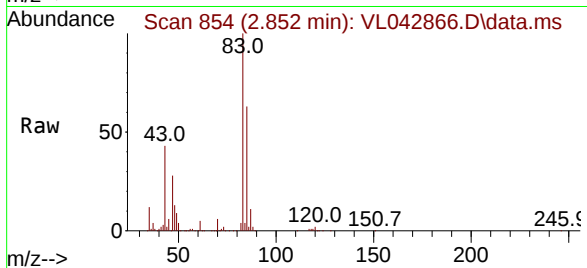
83 100

85 63.3 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#30

Cyclohexane

Concen: 9.024 ppbv

RT: 3.862 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VL042866.D

Acq: 21 Aug 2025 13:57

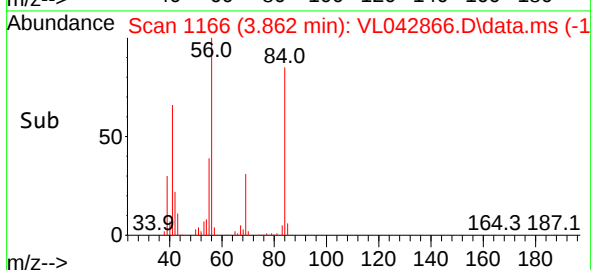
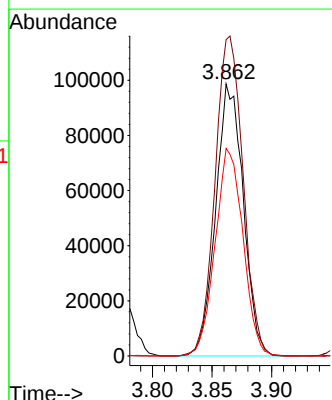
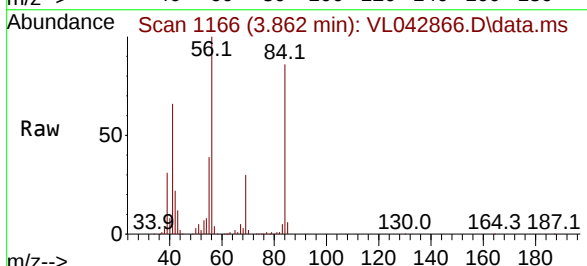
Tgt Ion: 84 Resp: 158629

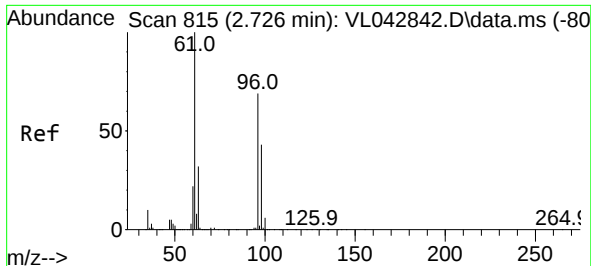
Ion Ratio Lower Upper

84 100

56 119.3 98.8 148.2

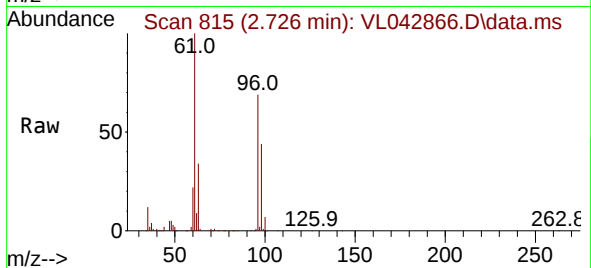
41 77.2 61.3 91.9





#31
 cis-1,2-Dichloroethene
 Concen: 9.150 ppbv
 RT: 2.726 min Scan# 815
 Delta R.T. 0.000 min
 Lab File: VL042866.D
 Acq: 21 Aug 2025 13:57

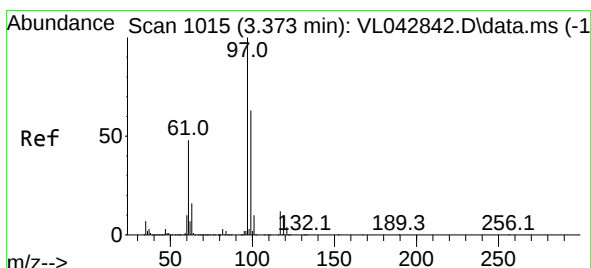
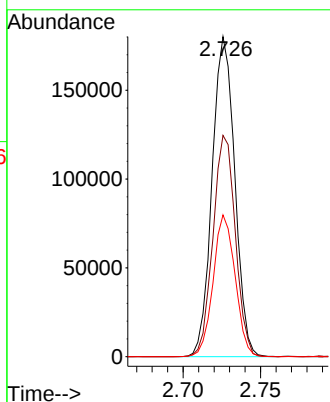
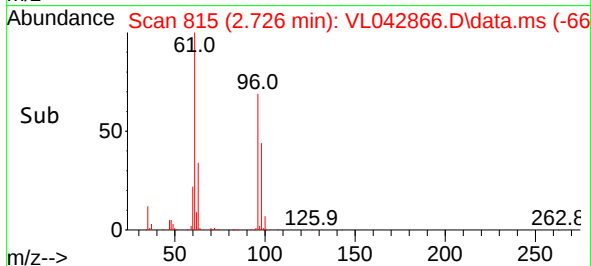
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



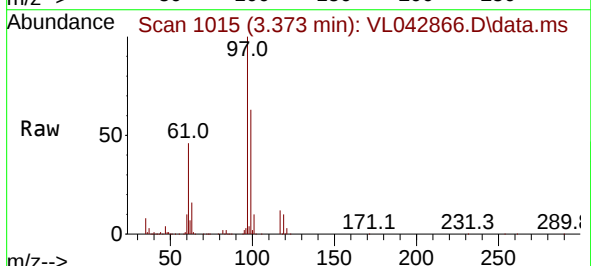
Tgt Ion: 61 Resp: 183248
 Ion Ratio Lower Upper
 61 100
 96 69.2 55.0 82.6
 98 44.3 34.3 51.5

Manual Integrations
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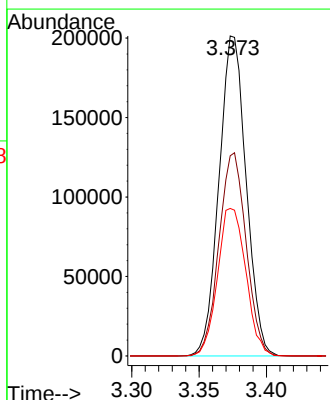
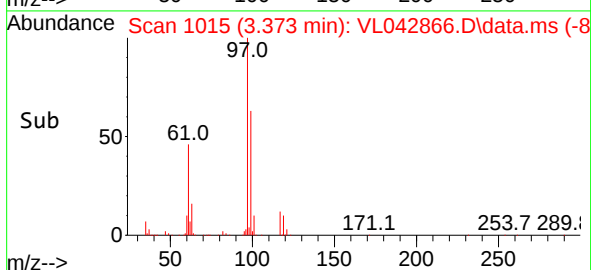
Reviewed By :Mahesh Dadoda 08/25/2025
 Supervised By :Semsettin Yesilyurt 08/25/2025

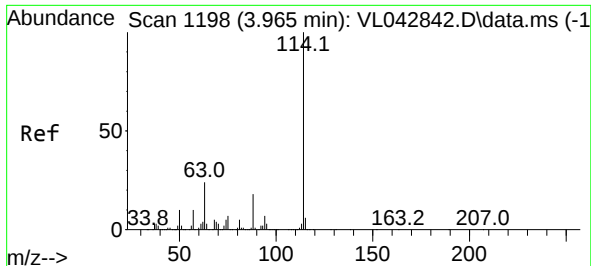


#32
 1,1,1-Trichloroethane
 Concen: 9.329 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.000 min
 Lab File: VL042866.D
 Acq: 21 Aug 2025 13:57



Tgt Ion: 97 Resp: 282219
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.0 76.6
 61 48.1 38.0 57.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. 0.000 min

Lab File: VL042866.D

Acq: 21 Aug 2025 13:57

Instrument :

MSVOA_L

ClientSampleId :

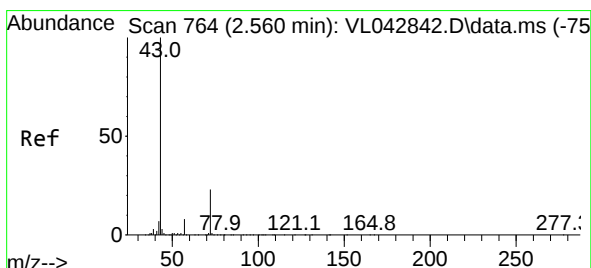
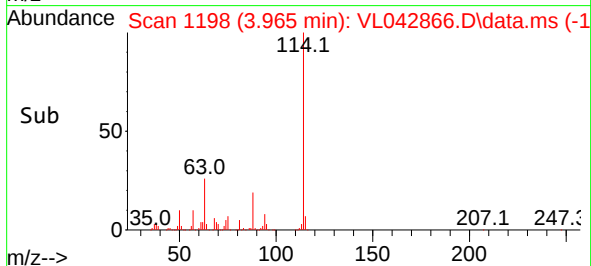
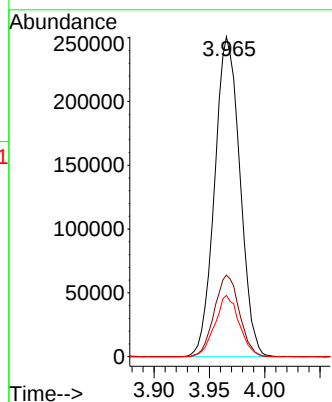
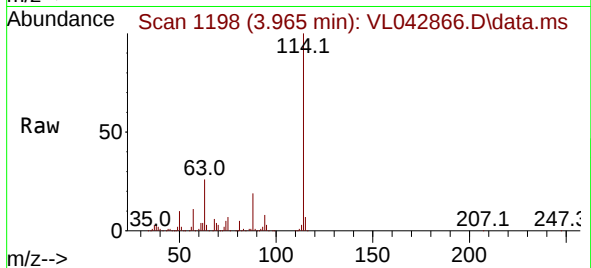
VSTDCCC010

Tgt Ion:	114	Resp:	39858
Ion Ratio	Lower	Upper	
114	100		
63	25.3	19.7	29.5
88	18.5	14.4	21.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#34

2-Butanone

Concen: 9.624 ppbv

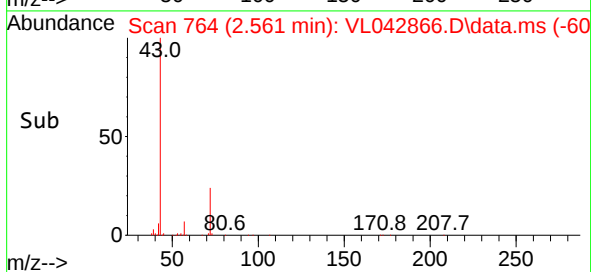
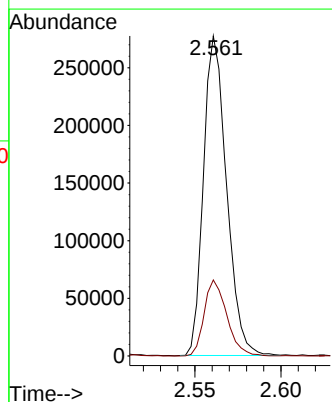
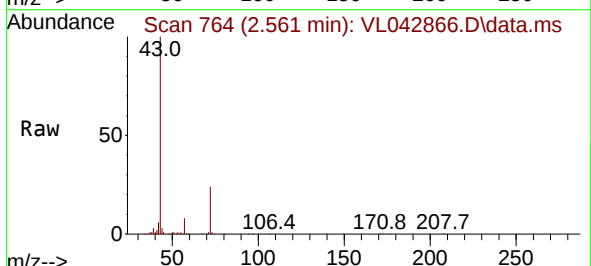
RT: 2.561 min Scan# 764

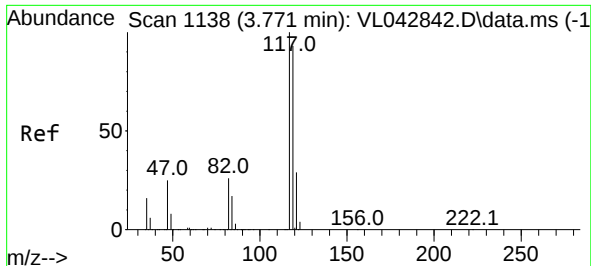
Delta R.T. 0.000 min

Lab File: VL042866.D

Acq: 21 Aug 2025 13:57

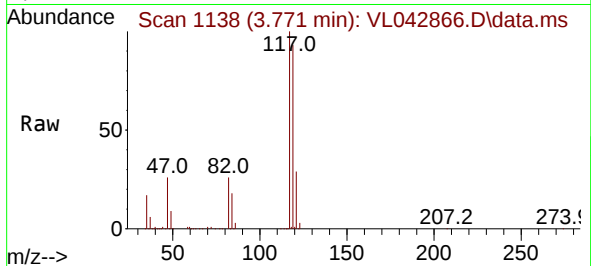
Tgt Ion:	43	Resp:	259023
Ion Ratio	Lower	Upper	
43	100		
72	23.4	18.6	28.0





#35
Carbon Tetrachloride
Concen: 10.171 ppbv
RT: 3.771 min Scan# 1138
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

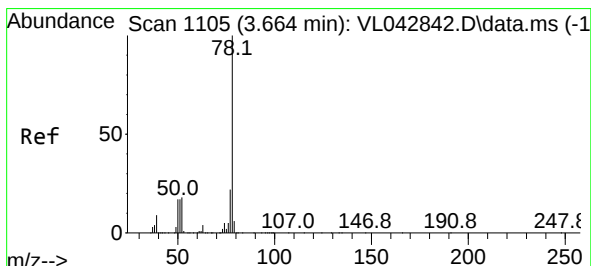
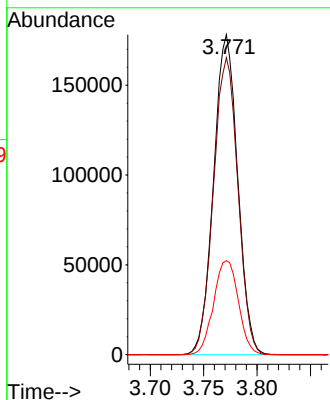
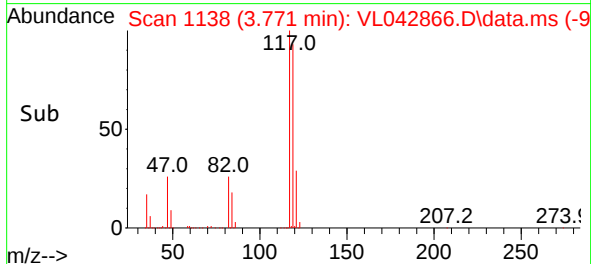
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:117 Resp: 279479
Ion Ratio Lower Upper
117 100
119 92.8 74.7 112.1
121 29.4 23.2 34.8

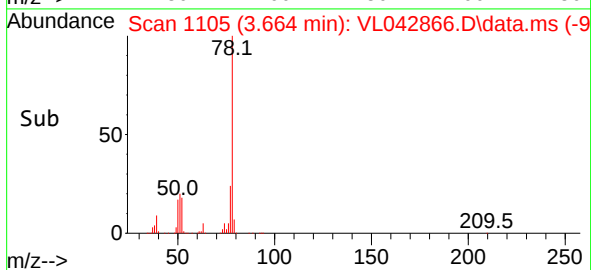
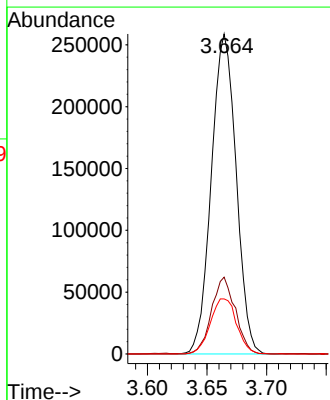
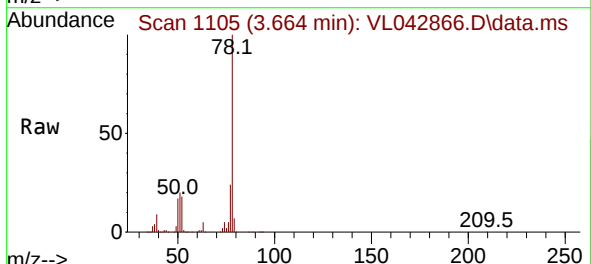
Manual Integrations
APPROVED

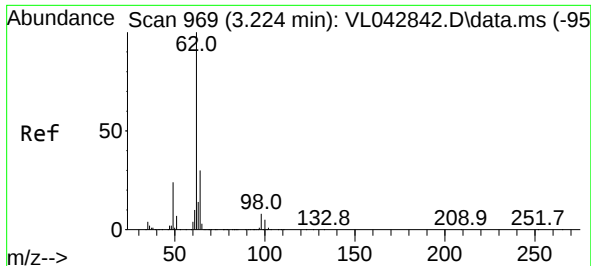
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#36
Benzene
Concen: 9.812 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

Tgt Ion: 78 Resp: 374488
Ion Ratio Lower Upper
78 100
77 24.0 17.7 26.5
50 17.2 13.9 20.9





#37

1,2-Dichloroethane

Concen: 10.802 ppbv

RT: 3.224 min Scan# 969

Delta R.T. 0.000 min

Lab File: VL042866.D

Acq: 21 Aug 2025 13:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 62 Resp: 21539

Ion Ratio Lower Upper

62 100

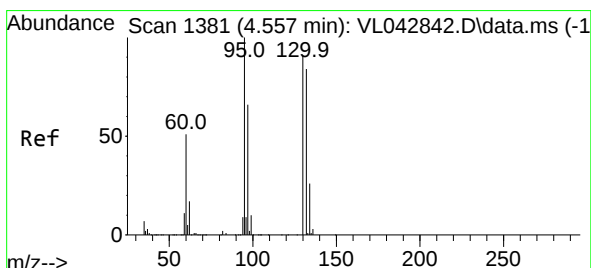
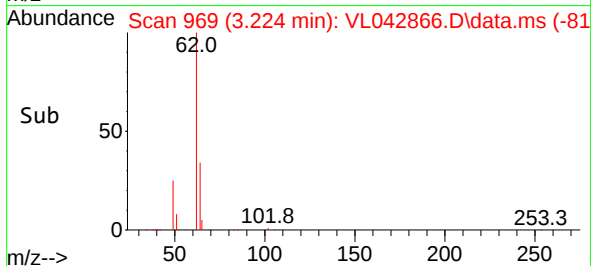
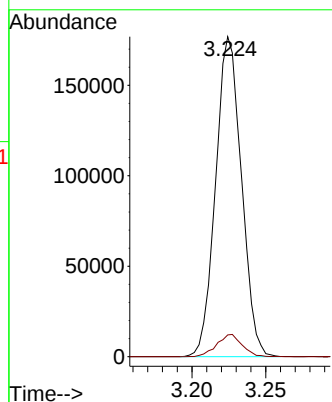
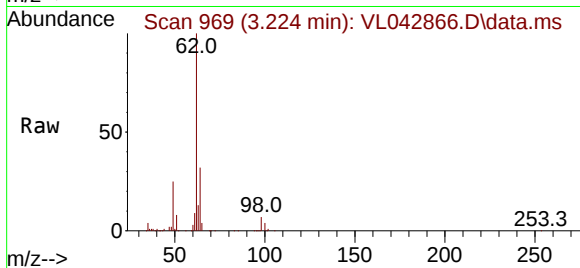
98 6.8 5.9 8.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/25/2025

Supervised By :Semsettin Yesilyurt 08/25/2025



#38

Trichloroethene

Concen: 9.270 ppbv

RT: 4.554 min Scan# 1380

Delta R.T. -0.003 min

Lab File: VL042866.D

Acq: 21 Aug 2025 13:57

Tgt Ion:130 Resp: 161583

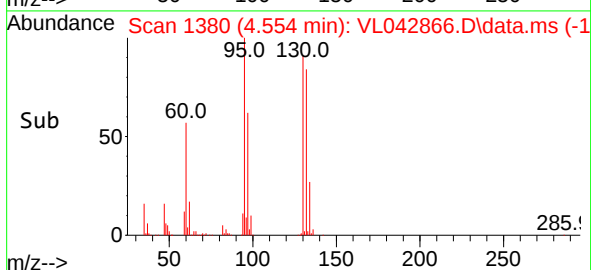
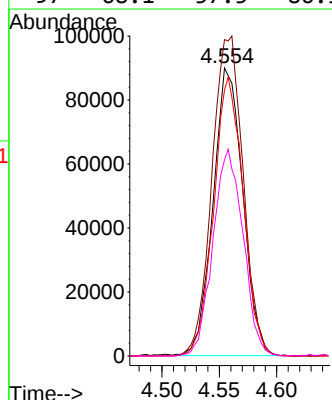
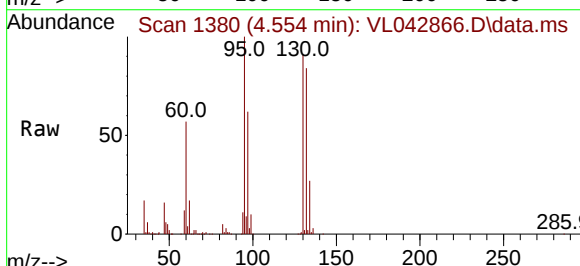
Ion Ratio Lower Upper

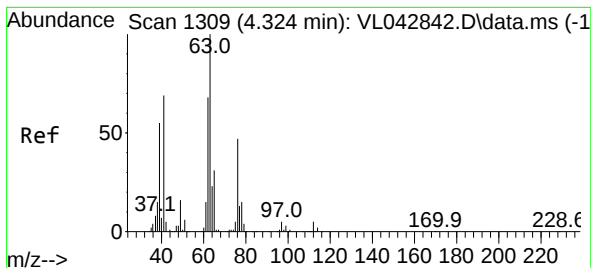
130 100

95 109.9 87.6 131.4

132 92.3 73.8 110.8

97 68.1 57.5 86.3





#39

1,2-Dichloropropane

Concen: 9.755 ppbv

RT: 4.325 min Scan# 1309

Delta R.T. 0.000 min

Lab File: VL042866.D

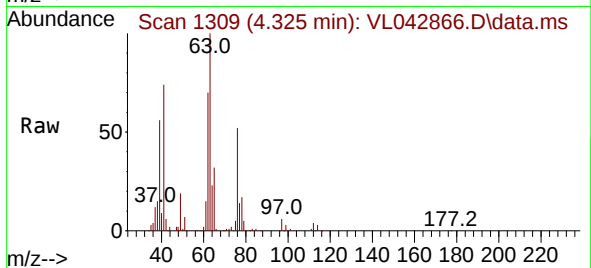
Acq: 21 Aug 2025 13:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion: 63 Resp: 13598

Ion Ratio Lower Upper

63 100

41 73.5 55.0 82.4

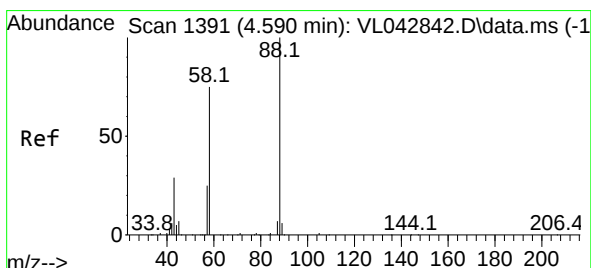
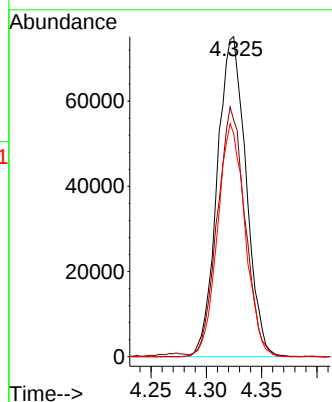
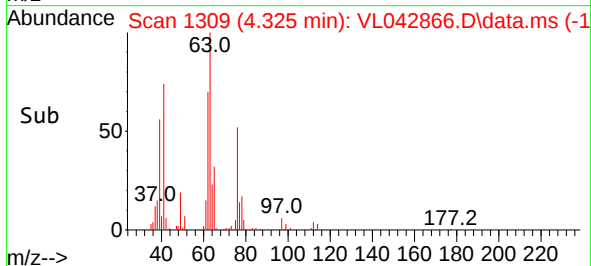
62 69.8 54.4 81.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/25/2025

Supervised By :Semsettin Yesilyurt 08/25/2025



#40

1,4-Dioxane

Concen: 8.752 ppbv

RT: 4.590 min Scan# 1391

Delta R.T. 0.000 min

Lab File: VL042866.D

Acq: 21 Aug 2025 13:57

Tgt Ion: 88 Resp: 58014

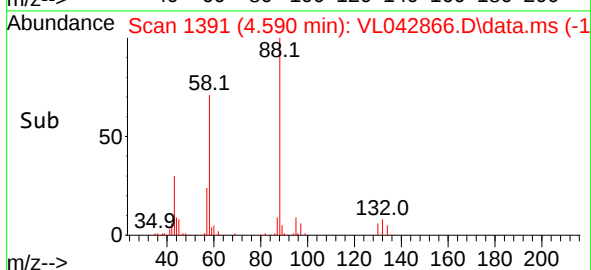
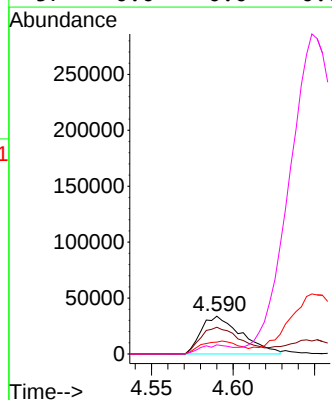
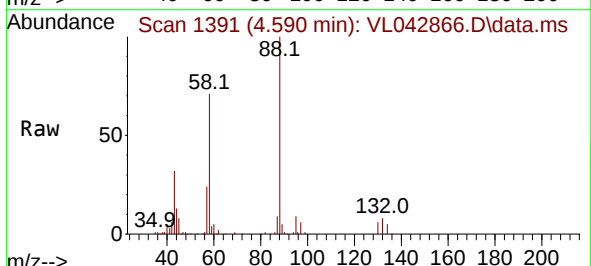
Ion Ratio Lower Upper

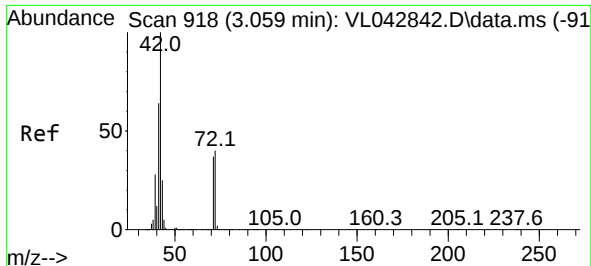
88 100

58 74.9 53.8 80.6

43 37.0 22.8 34.2#

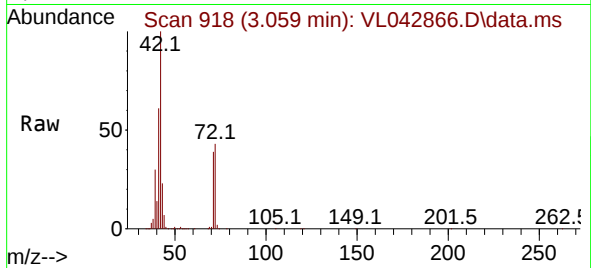
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 9.510 ppbv
RT: 3.059 min Scan# 918
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

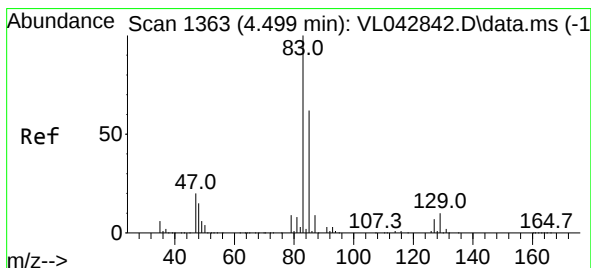
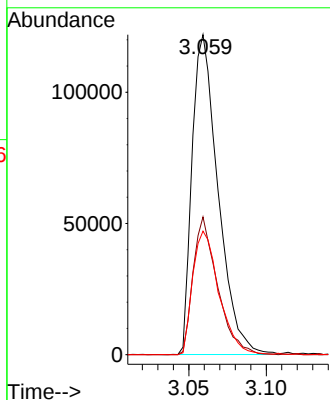
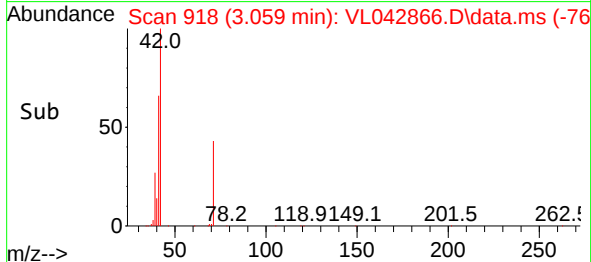
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 42 Resp: 142700
Ion Ratio Lower Upper
42 100
72 40.4 32.6 48.8
71 39.2 30.0 45.0

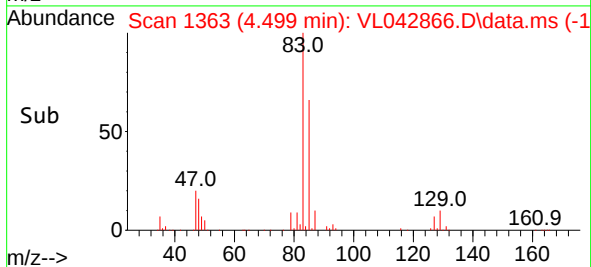
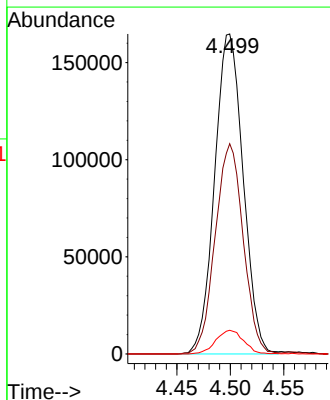
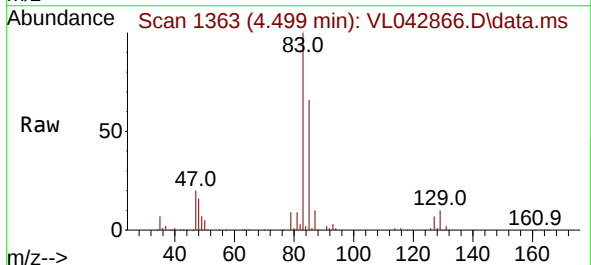
Manual Integrations
APPROVED

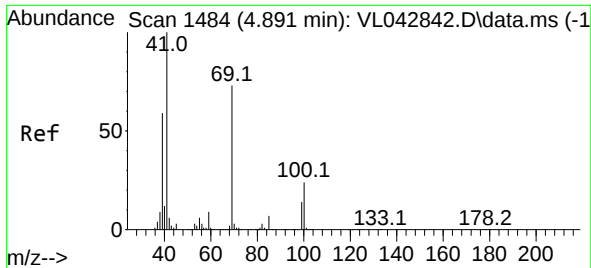
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#42
Bromodichloromethane
Concen: 10.306 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

Tgt Ion: 83 Resp: 306223
Ion Ratio Lower Upper
83 100
85 65.7 49.8 74.8
127 7.4 5.8 8.6





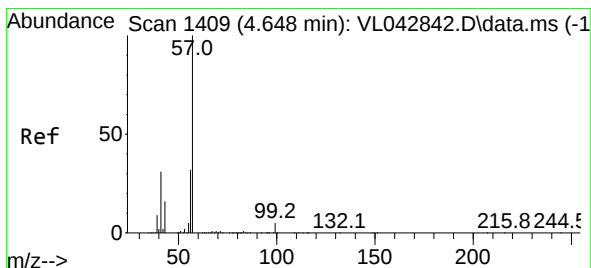
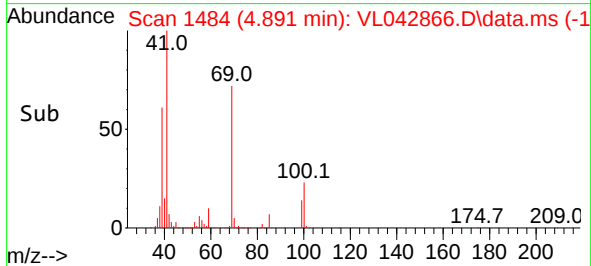
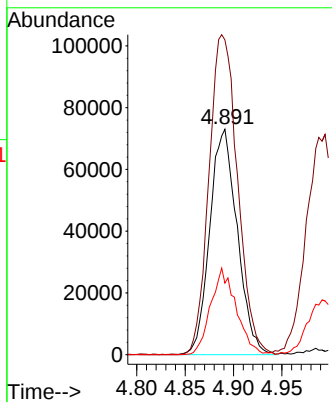
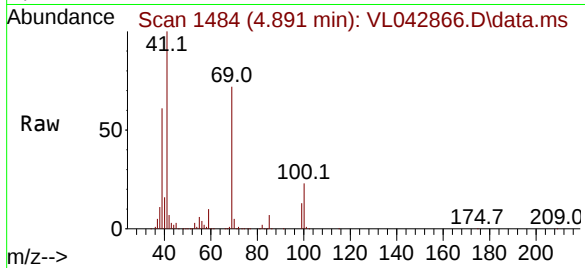
#43
Methyl Methacrylate
Concen: 9.180 ppbv
RT: 4.891 min Scan# 1484
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 144340
Ion Ratio Lower Upper
69 100
41 147.5 114.6 172.0
100 35.8 30.2 45.4

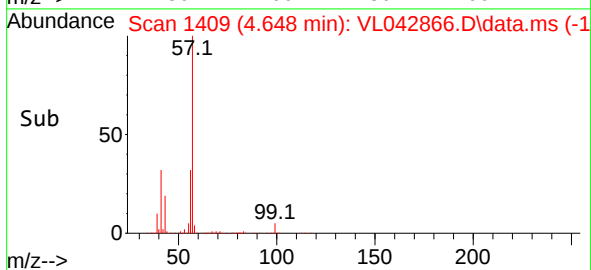
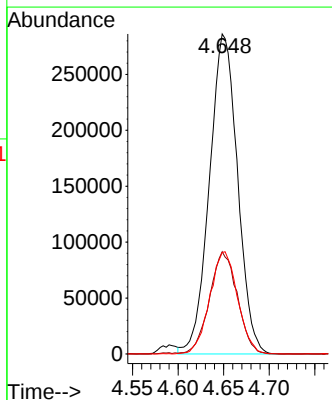
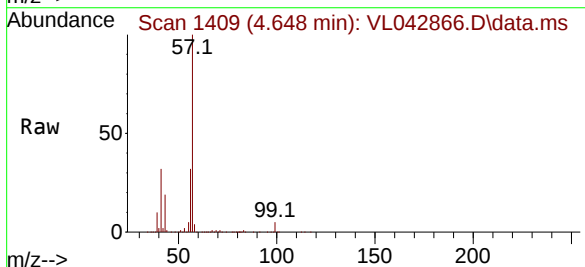
Manual Integrations
APPROVED

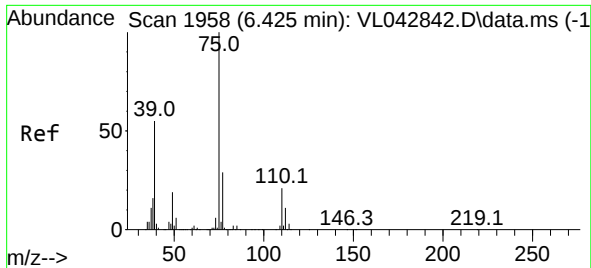
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#44
2,2,4-Trimethylpentane
Concen: 9.478 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

Tgt Ion: 57 Resp: 613984
Ion Ratio Lower Upper
57 100
41 31.8 24.8 37.2
56 31.7 25.5 38.3





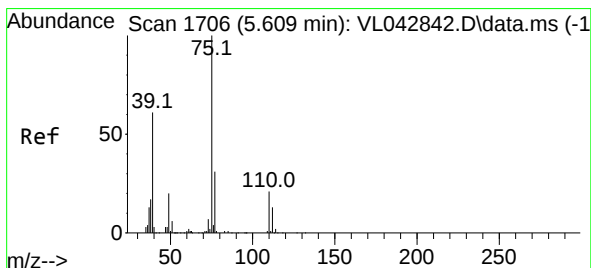
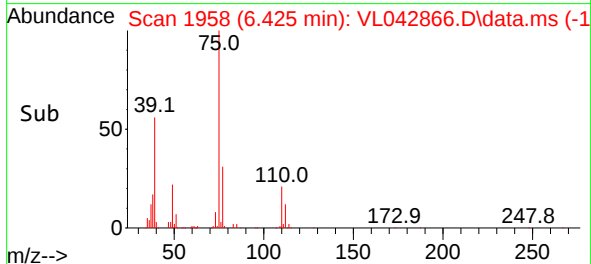
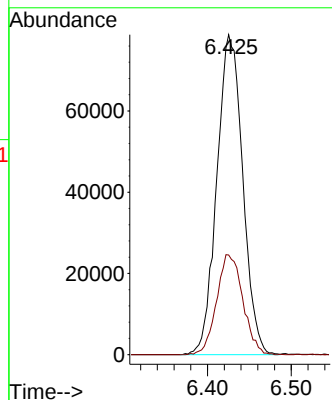
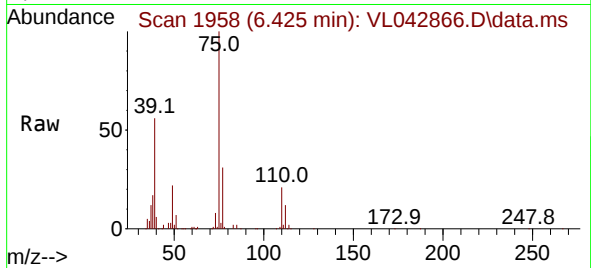
#45
t-1,3-Dichloropropene
Concen: 9.536 ppbv
RT: 6.425 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 16921
Ion Ratio Lower Upper
75 100
77 31.1 23.8 35.6

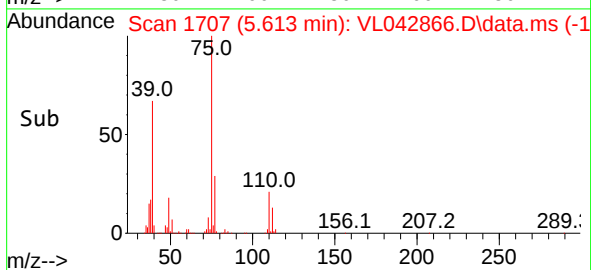
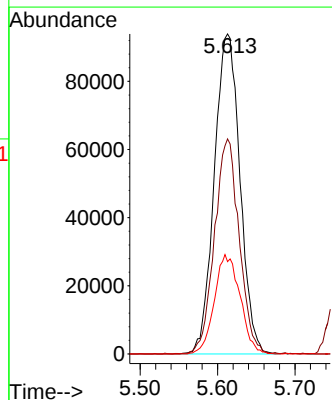
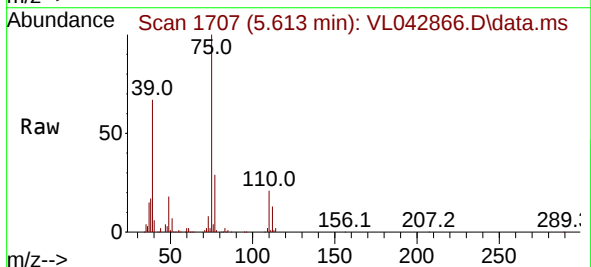
Manual Integrations
APPROVED

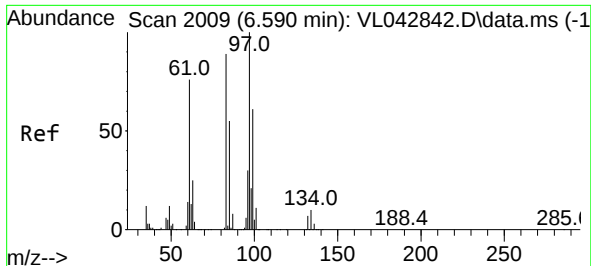
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#46
cis-1,3-Dichloropropene
Concen: 9.786 ppbv
RT: 5.613 min Scan# 1707
Delta R.T. 0.003 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

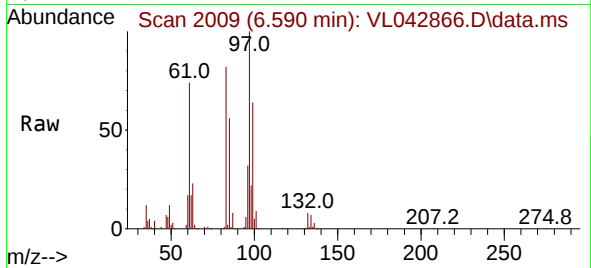
Tgt Ion: 75 Resp: 216363
Ion Ratio Lower Upper
75 100
39 67.1 48.9 73.3
77 28.9 24.9 37.3





#47
1,1,2-Trichloroethane
Concen: 9.884 ppbv
RT: 6.590 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

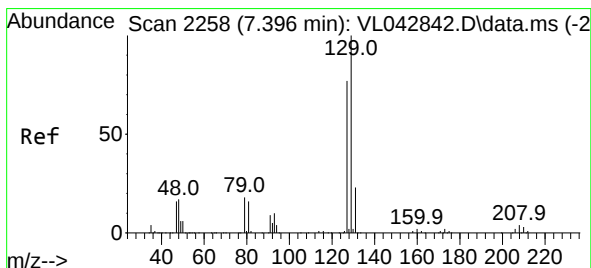
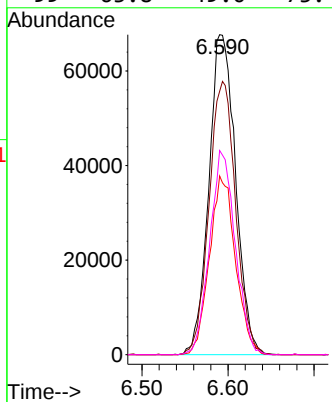
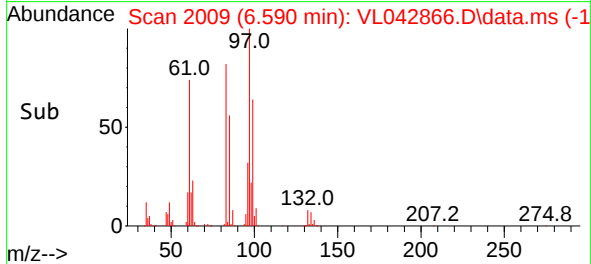
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 97 Resp: 145980
Ion Ratio Lower Upper
97 100
83 82.3 71.0 106.4
85 55.8 43.6 65.4
99 63.8 49.0 73.4

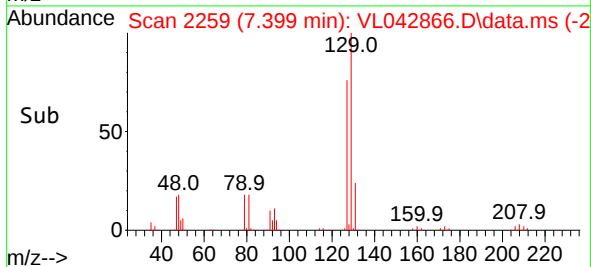
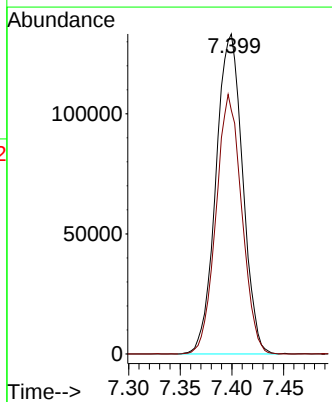
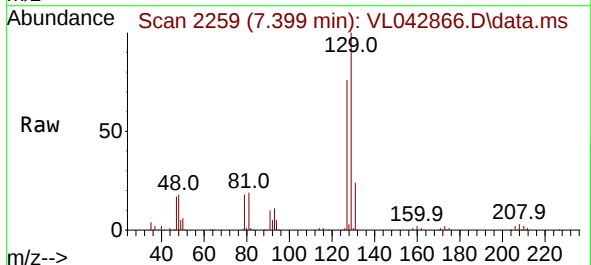
Manual Integrations
APPROVED

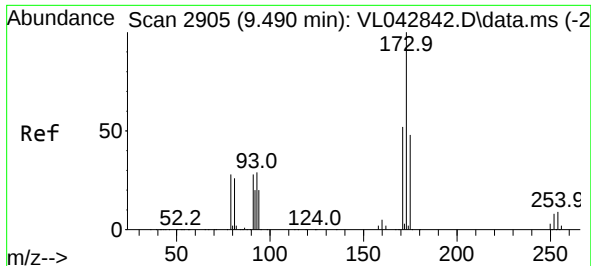
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#48
Dibromochloromethane
Concen: 10.047 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

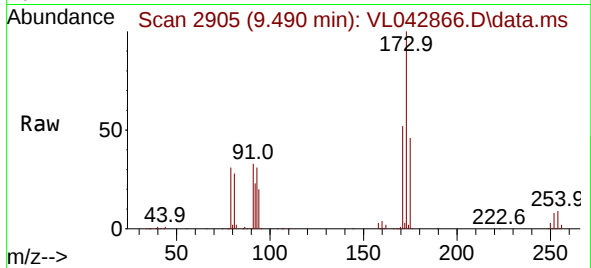
Tgt Ion:129 Resp: 240130
Ion Ratio Lower Upper
129 100
127 78.1 39.4 118.2





#49
Bromoform
Concen: 9.668 ppbv
RT: 9.490 min Scan# 2905
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

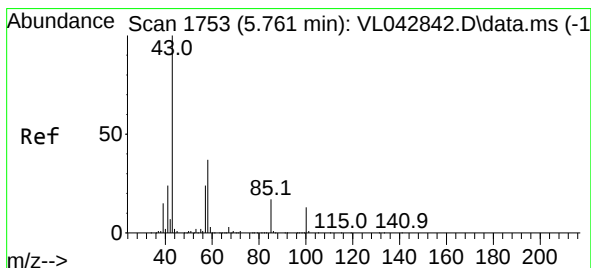
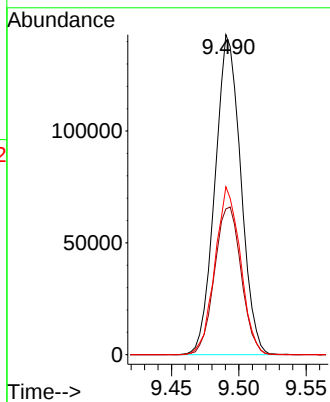
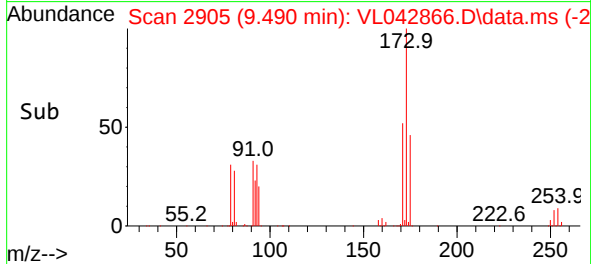
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 173 Resp: 190549
Ion Ratio Lower Upper
173 100
175 47.9 39.2 58.8
171 51.8 41.3 61.9

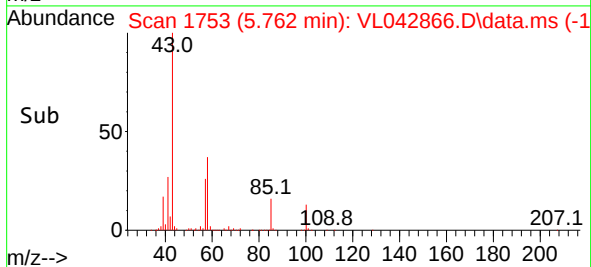
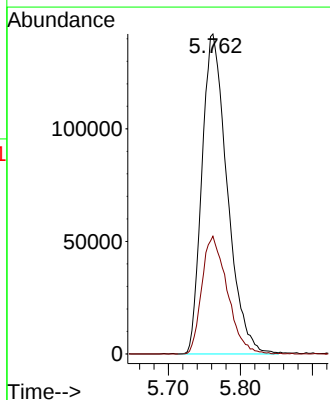
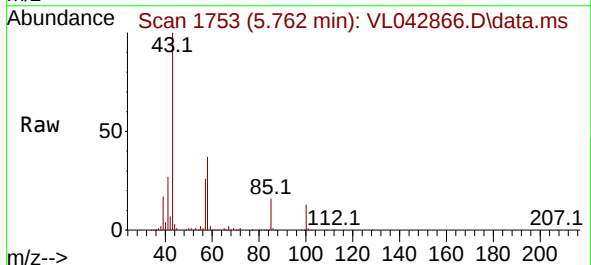
Manual Integrations
APPROVED

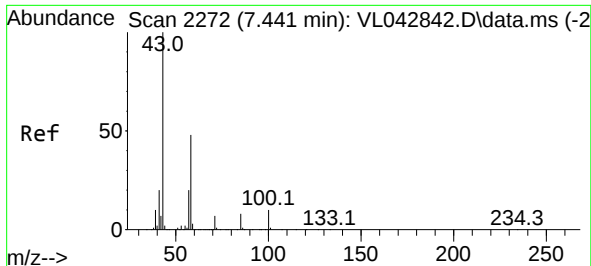
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#50
4-Methyl-2-Pentanone
Concen: 9.530 ppbv
RT: 5.762 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

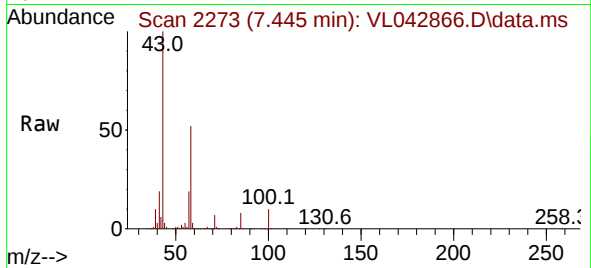
Tgt Ion: 43 Resp: 346674
Ion Ratio Lower Upper
43 100
58 37.1 29.8 44.8





#51
2-Hexanone
Concen: 9.748 ppbv
RT: 7.445 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

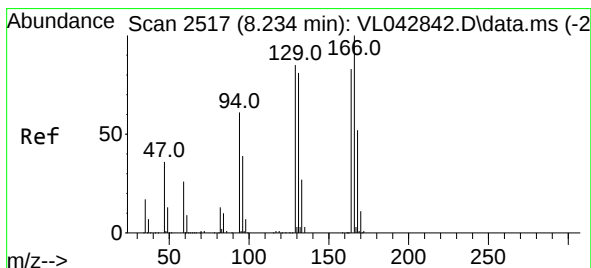
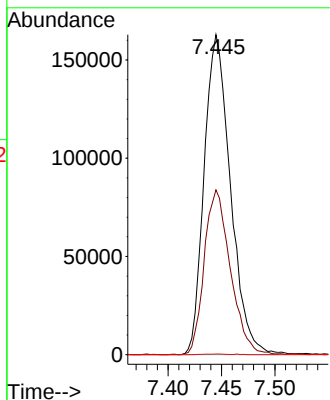
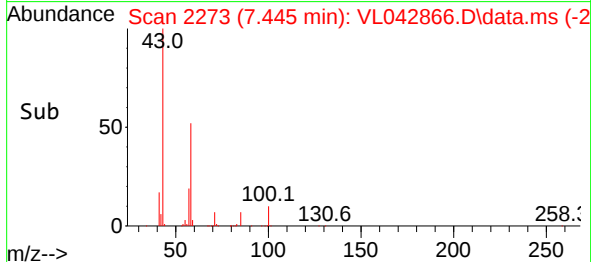
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 27906
Ion Ratio Lower Upper
43 100
58 51.3 41.0 61.6
98 0.2 0.1 0.1

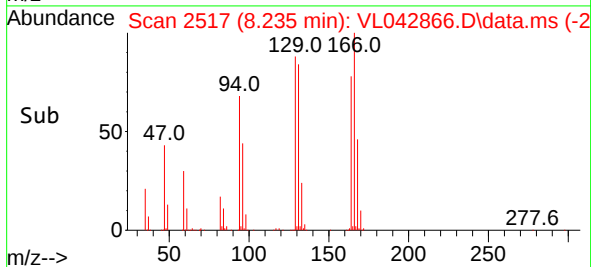
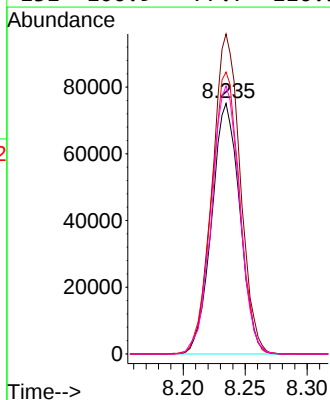
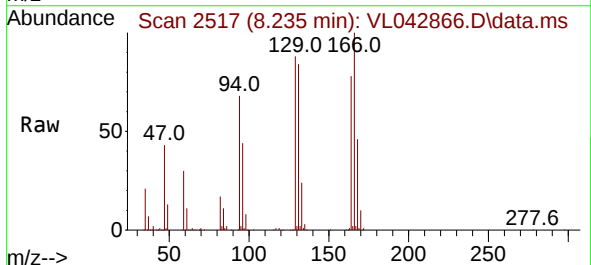
Manual Integrations
APPROVED

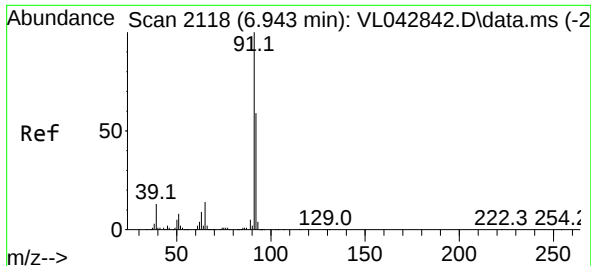
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#52
Tetrachloroethene
Concen: 8.608 ppbv
RT: 8.235 min Scan# 2517
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

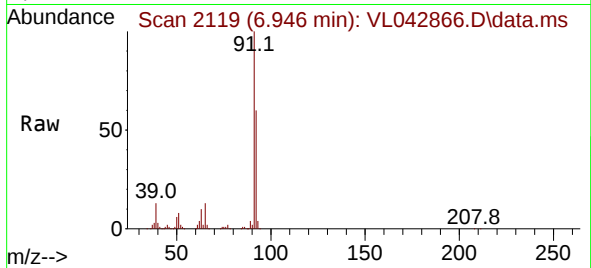
Tgt Ion:164 Resp: 118856
Ion Ratio Lower Upper
164 100
166 127.6 96.5 144.7
129 112.3 81.8 122.6
131 106.9 77.7 116.5





#53
Toluene
Concen: 9.369 ppbv
RT: 6.946 min Scan# 2118
Delta R.T. 0.003 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

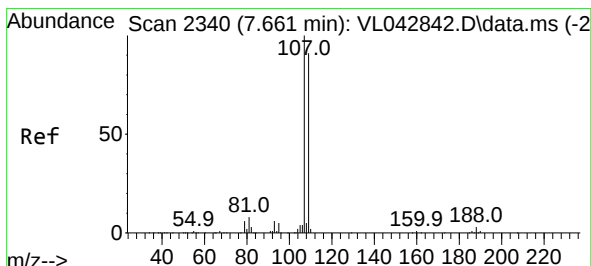
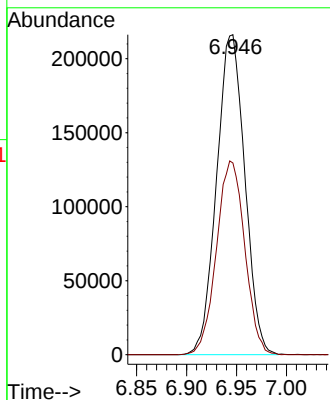
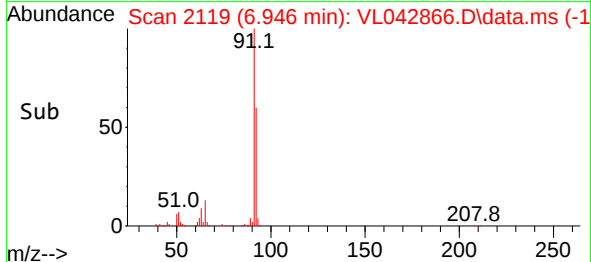
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 91 Resp: 42513
Ion Ratio Lower Upper
91 100
92 60.6 47.8 71.6

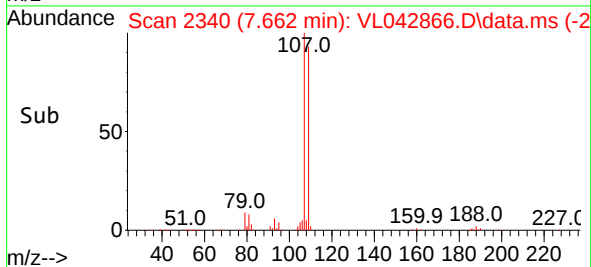
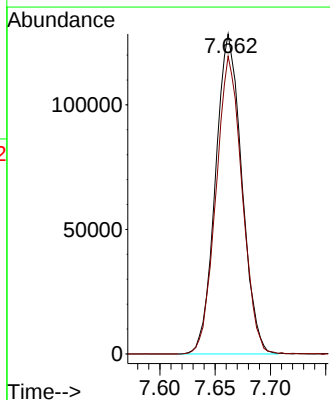
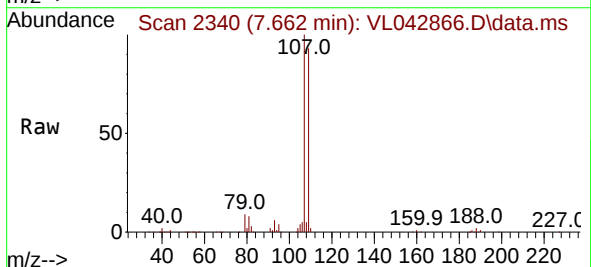
Manual Integrations
APPROVED

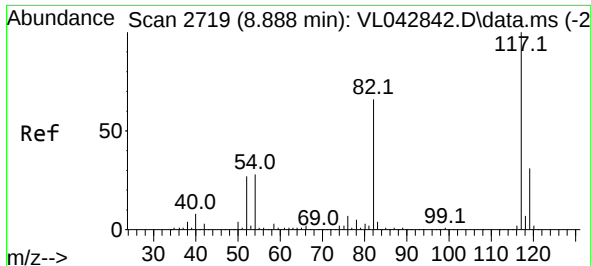
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#54
1,2-Dibromoethane
Concen: 9.834 ppbv
RT: 7.662 min Scan# 2340
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

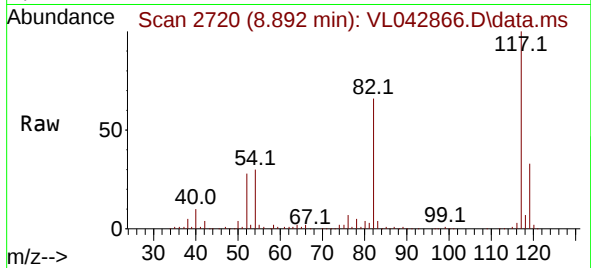
Tgt Ion:107 Resp: 212261
Ion Ratio Lower Upper
107 100
109 93.0 72.5 108.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.892 min Scan# 2719
Delta R.T. 0.003 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

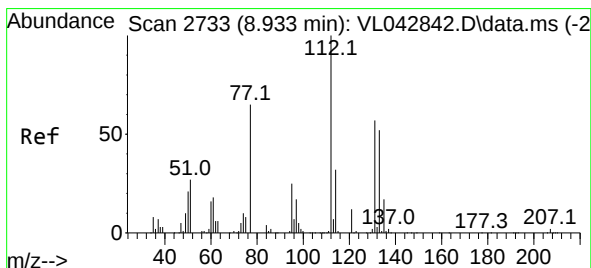
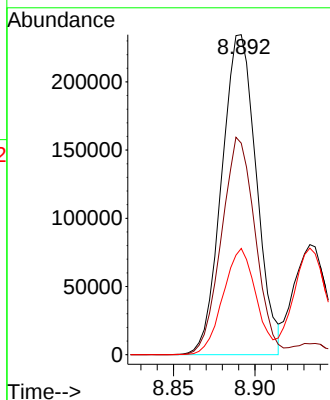
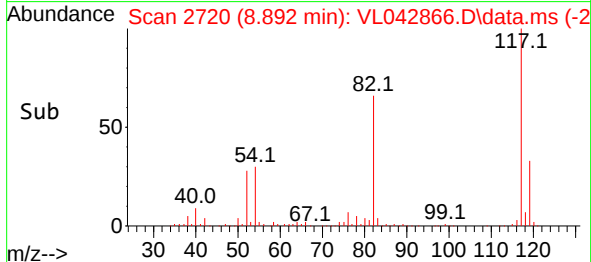
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



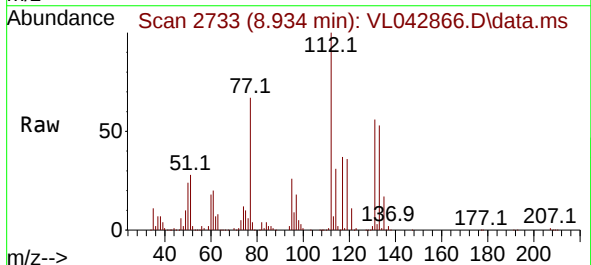
Tgt Ion:117 Resp: 346592
Ion Ratio Lower Upper
117 100
82 69.8 54.6 81.8
119 32.2 25.9 38.9

Manual Integrations
APPROVED

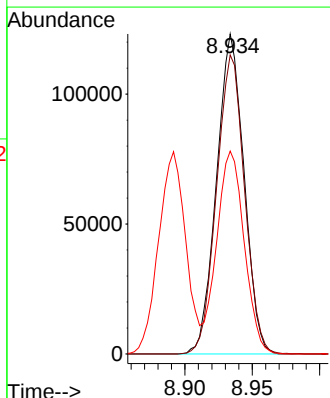
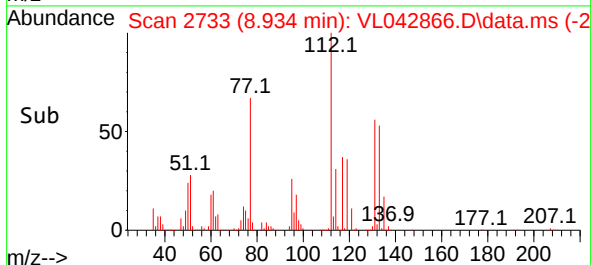
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

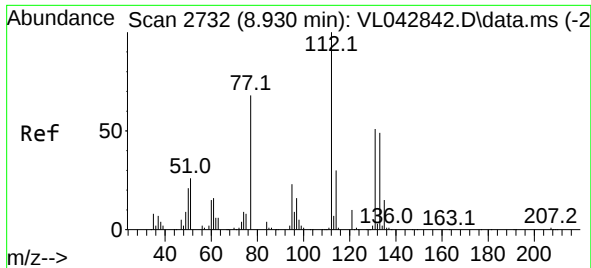


#56
1,1,1,2-Tetrachloroethane
Concen: 9.737 ppbv
RT: 8.934 min Scan# 2733
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57



Tgt Ion:131 Resp: 174517
Ion Ratio Lower Upper
131 100
133 95.2 77.4 116.0
119 63.9 51.2 76.8





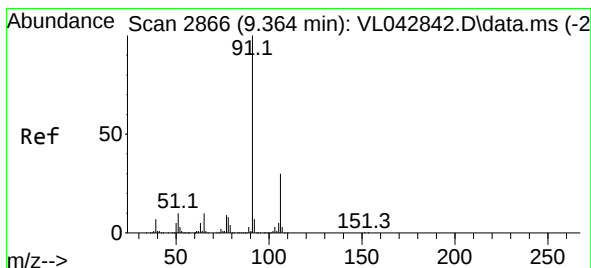
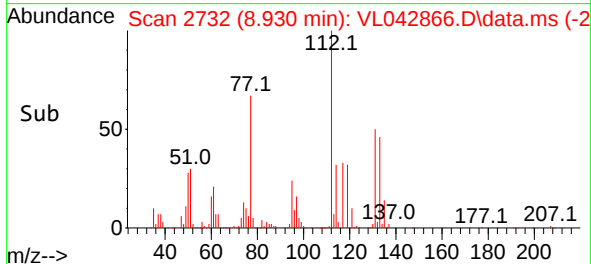
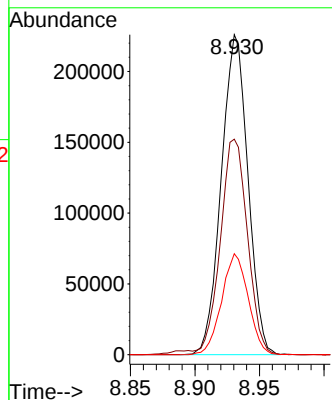
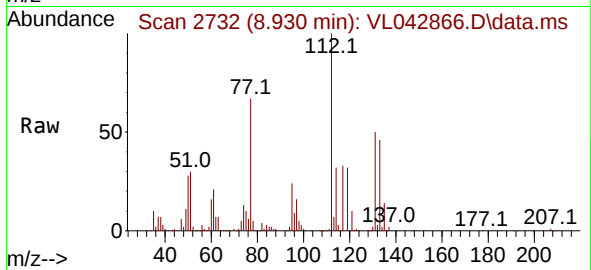
#57
Chlorobenzene
Concen: 9.843 ppbv
RT: 8.930 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 32437
Ion Ratio Lower Upper
112 100
77 67.3 55.5 83.3
114 31.5 27.2 33.2

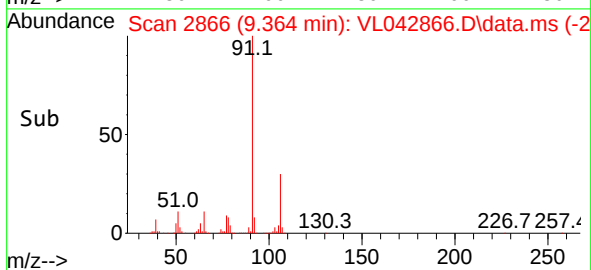
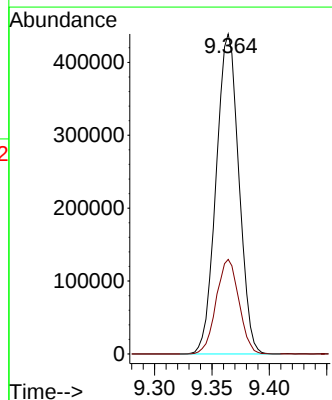
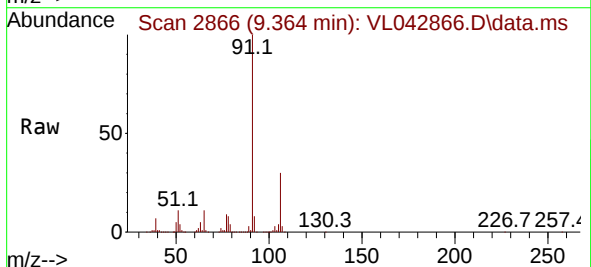
Manual Integrations
APPROVED

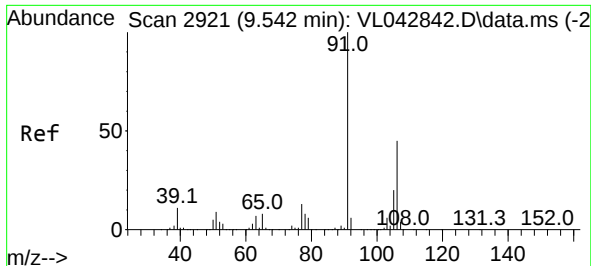
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#58
Ethyl Benzene
Concen: 9.870 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

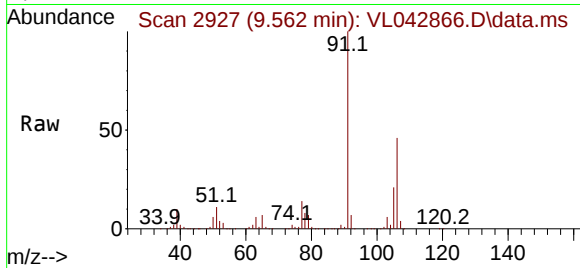
Tgt Ion: 91 Resp: 603652
Ion Ratio Lower Upper
91 100
106 29.5 23.9 35.9





#59
m/p-Xylene
Concen: 19.878 ppbv m
RT: 9.562 min Scan# 2921
Delta R.T. 0.020 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

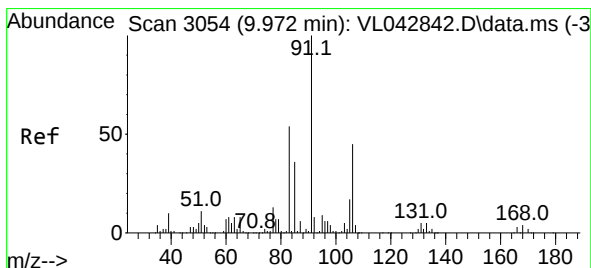
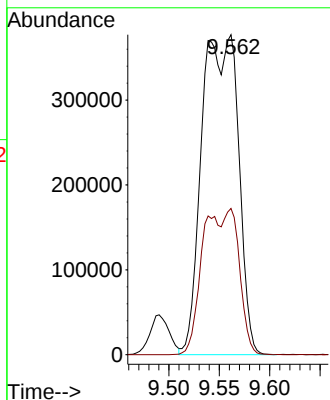
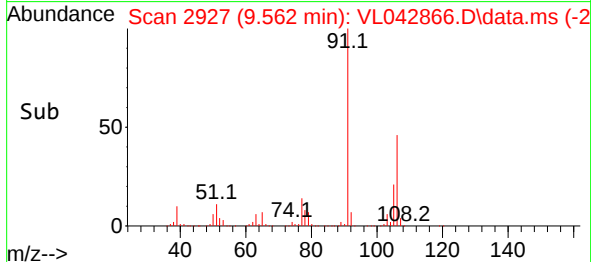
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 91 Resp: 95298
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

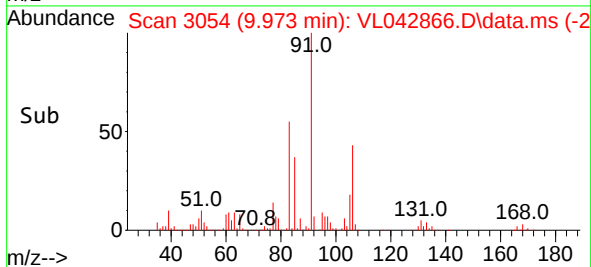
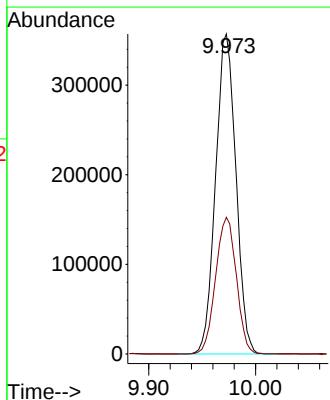
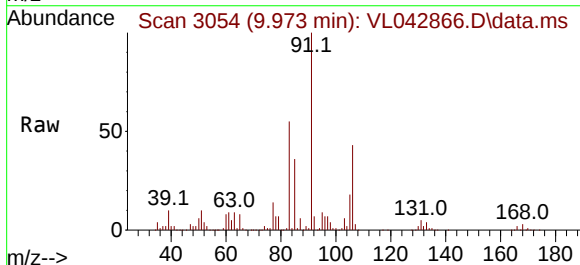
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#60
o-Xylene
Concen: 9.779 ppbv
RT: 9.973 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

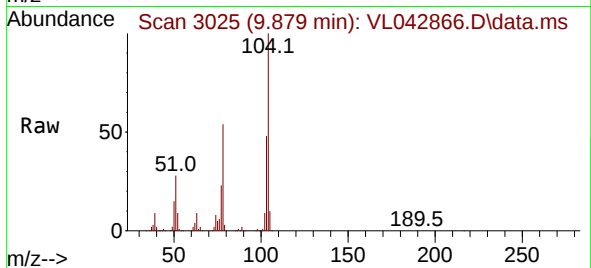
Tgt Ion: 91 Resp: 471605
Ion Ratio Lower Upper
91 100
106 43.6 21.8 65.4





#61
Styrene
Concen: 9.613 ppbv
RT: 9.879 min Scan# 3025
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

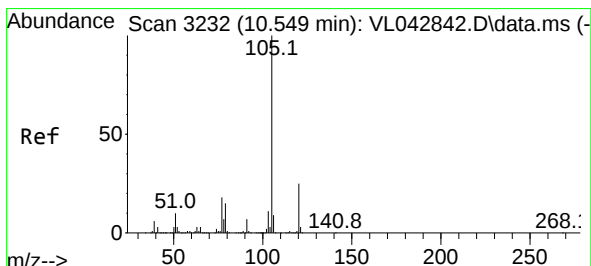
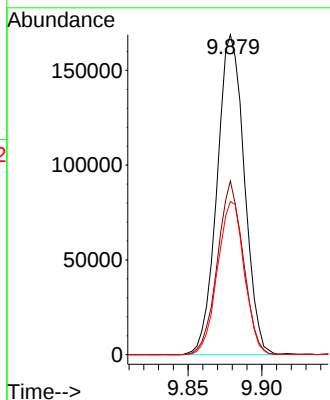
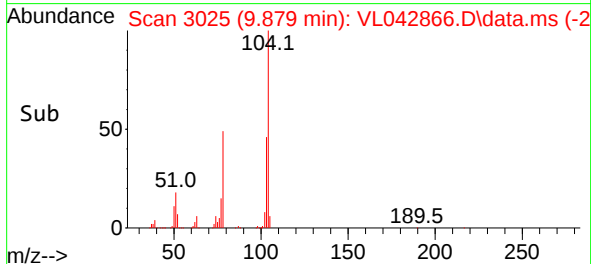
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



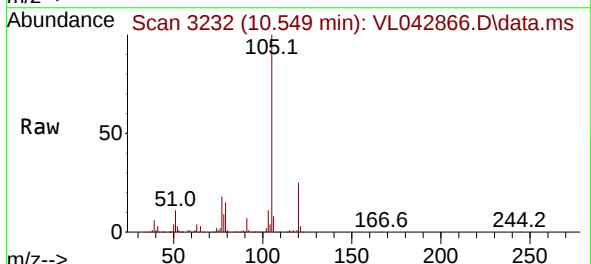
Tgt Ion:104 Resp: 217209
Ion Ratio Lower Upper
104 100
78 51.4 40.6 61.0
103 47.1 37.7 56.5

Manual Integrations
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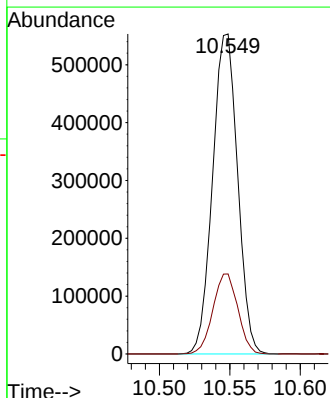
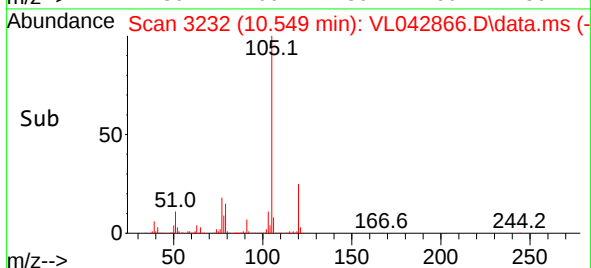
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

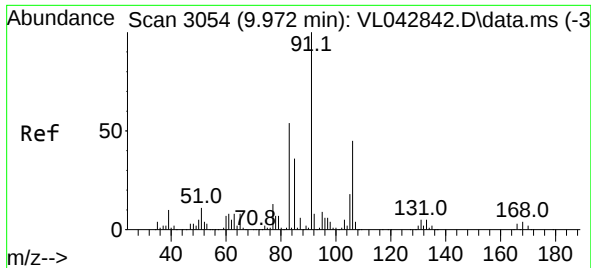


#62
Isopropylbenzene
Concen: 9.700 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57



Tgt Ion:105 Resp: 683663
Ion Ratio Lower Upper
105 100
120 24.9 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 9.587 ppbv

RT: 9.973 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VL042866.D

Acq: 21 Aug 2025 13:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 25426

Ion Ratio Lower Upper

83 100

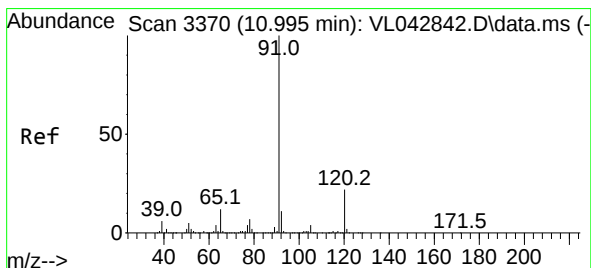
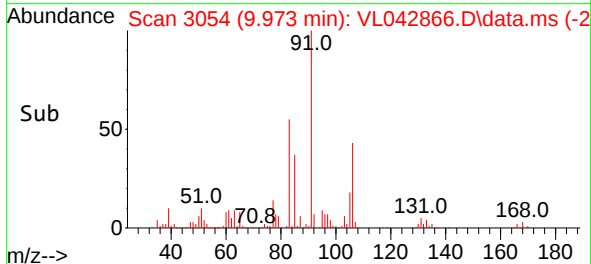
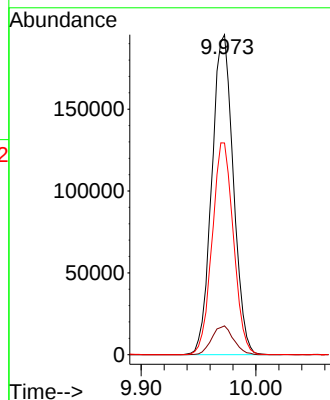
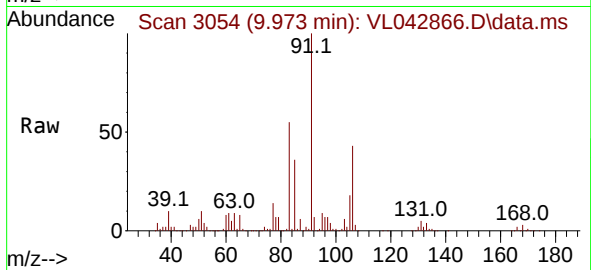
131 9.1 4.8 14.3

85 65.6 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#64

n-propylbenzene

Concen: 9.628 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. 0.000 min

Lab File: VL042866.D

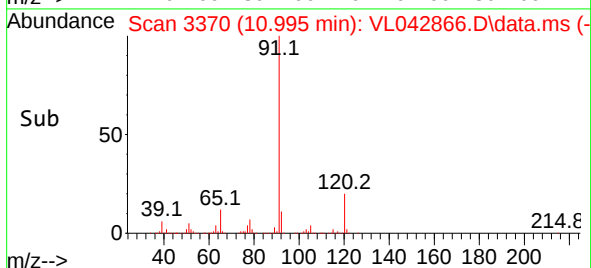
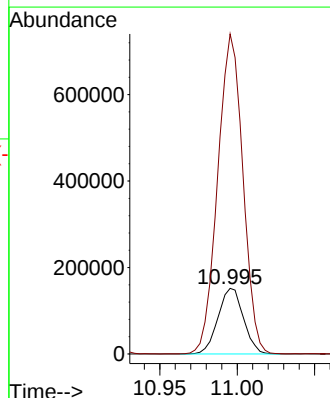
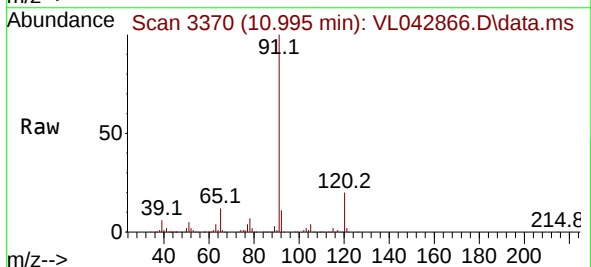
Acq: 21 Aug 2025 13:57

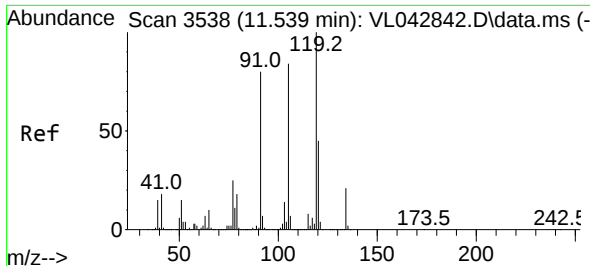
Tgt Ion:120 Resp: 173123

Ion Ratio Lower Upper

120 100

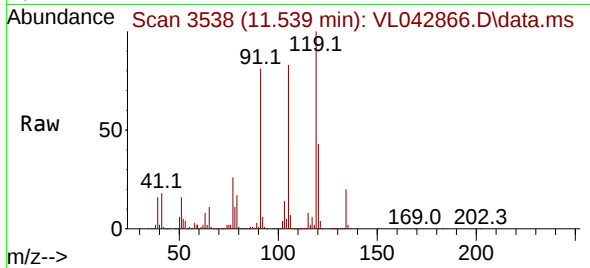
91 484.3 375.8 563.6





#65
tert-Butylbenzene
Concen: 9.361 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

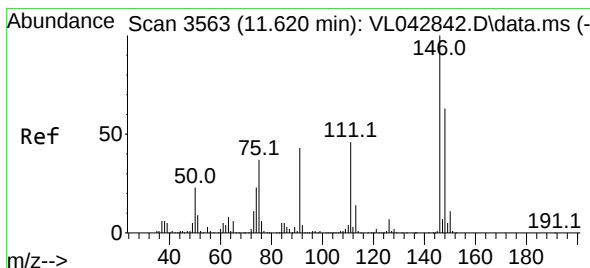
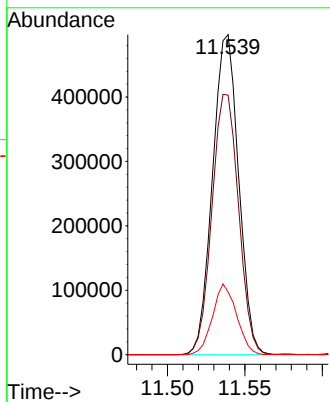
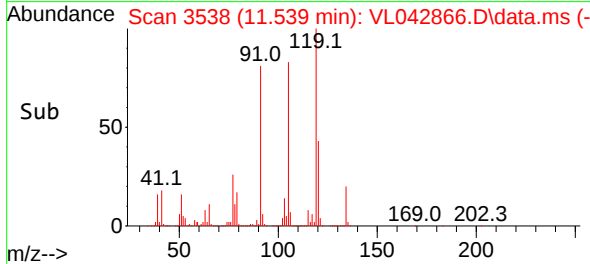
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



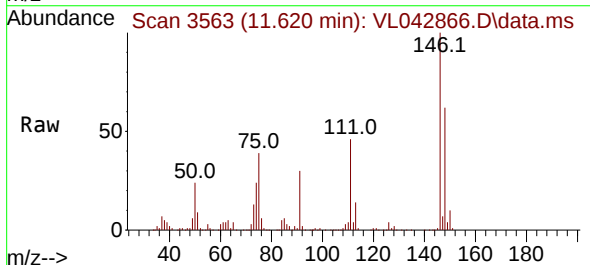
Tgt Ion: 119 Resp: 58157
Ion Ratio Lower Upper
119 100
91 83.1 63.9 95.9
134 20.4 17.0 25.4

Manual Integrations
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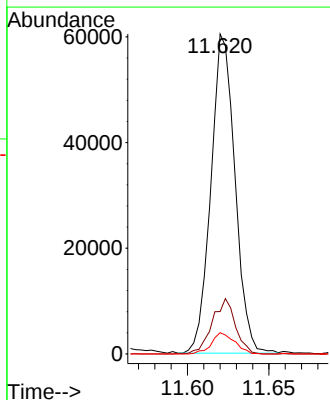
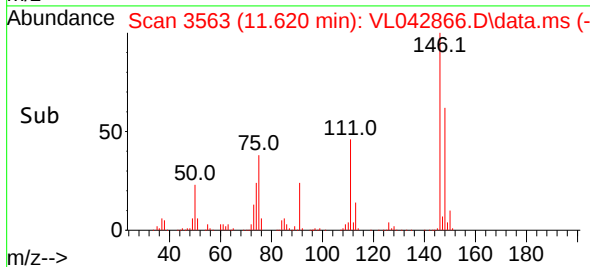
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

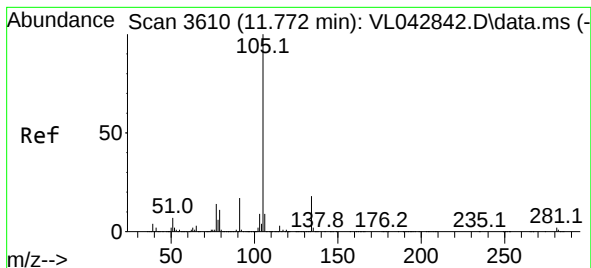


#66
Benzyl Chloride
Concen: 7.872 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57



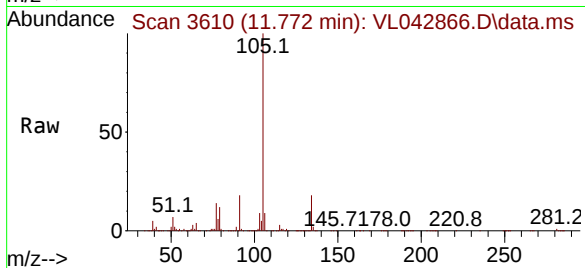
Tgt Ion: 91 Resp: 62086
Ion Ratio Lower Upper
91 100
126 16.7 14.2 21.4
128 6.4 5.0 7.6





#67
 sec-Butylbenzene
 Concen: 9.632 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.000 min
 Lab File: VL042866.D
 Acq: 21 Aug 2025 13:57

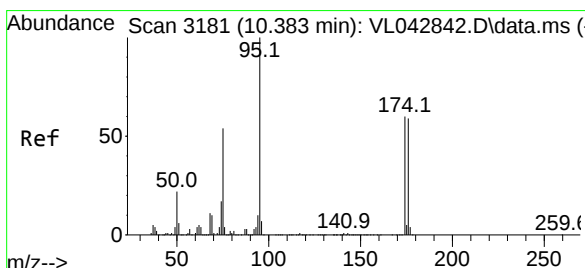
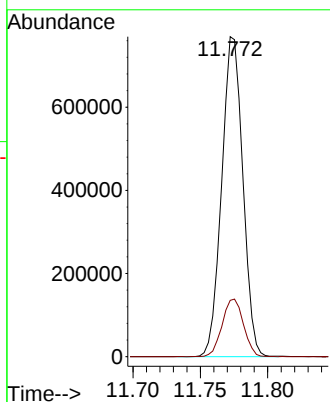
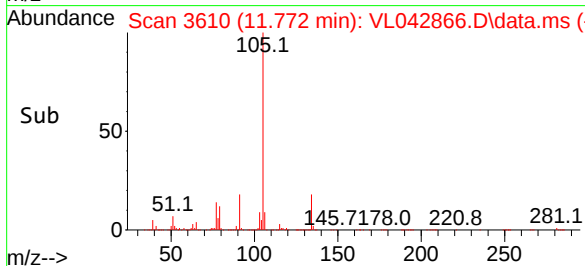
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



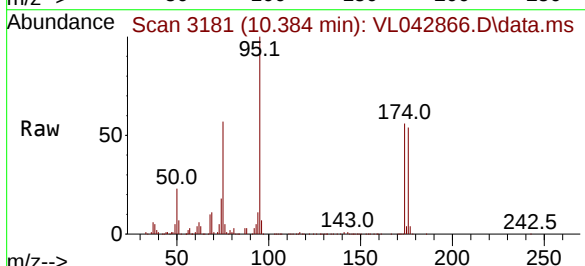
Tgt Ion:105 Resp: 840030
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.9 22.3

Manual Integrations
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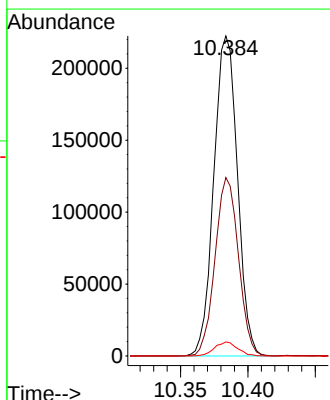
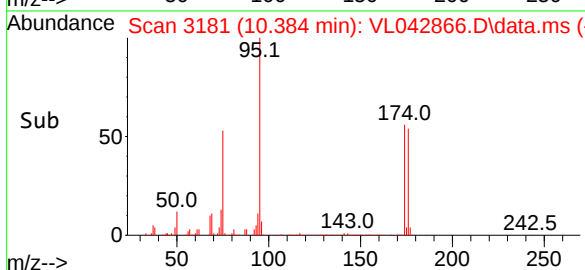
Reviewed By :Mahesh Dadoda 08/25/2025
 Supervised By :Semsettin Yesilyurt 08/25/2025

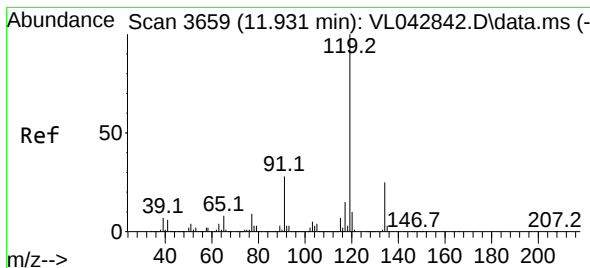


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.444 ppbv
 RT: 10.384 min Scan# 3181
 Delta R.T. 0.000 min
 Lab File: VL042866.D
 Acq: 21 Aug 2025 13:57



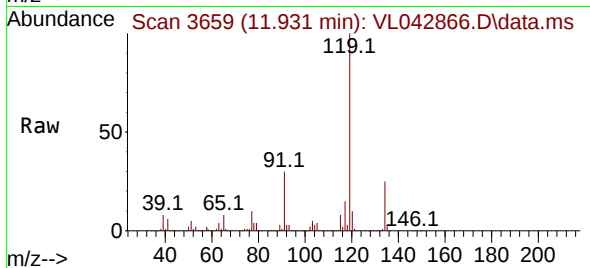
Tgt Ion: 95 Resp: 271488
 Ion Ratio Lower Upper
 95 100
 174 55.2 48.4 72.6
 175 4.3 3.8 5.8





#69
p-Isopropyltoluene
Concen: 9.246 ppbv
RT: 11.931 min Scan# 3659
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

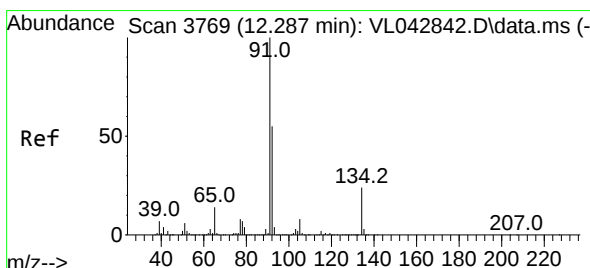
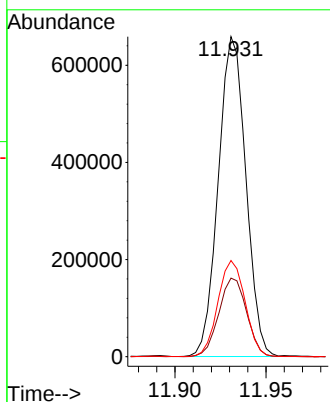
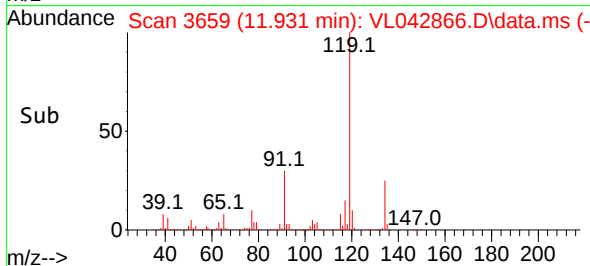
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



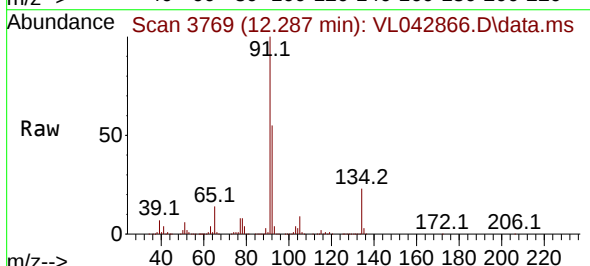
Tgt Ion: 119 Resp: 692260
Ion Ratio Lower Upper
119 100
134 24.9 20.6 30.8
91 29.9 22.6 34.0

Manual Integrations
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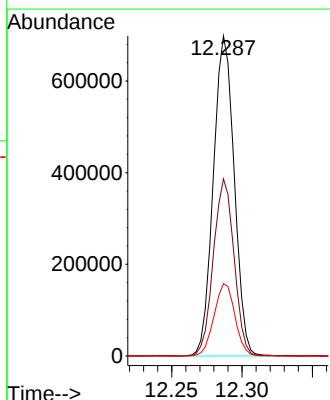
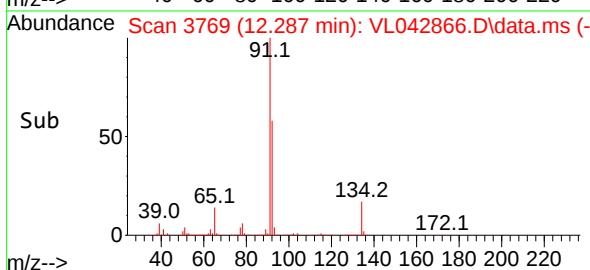
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

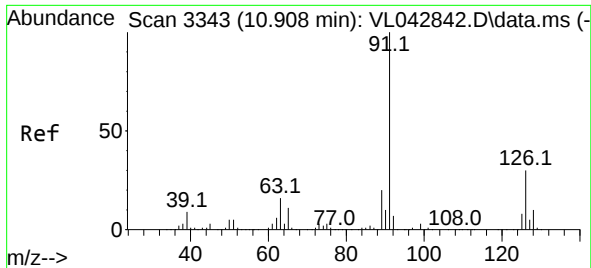


#70
n-Butylbenzene
Concen: 9.741 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57



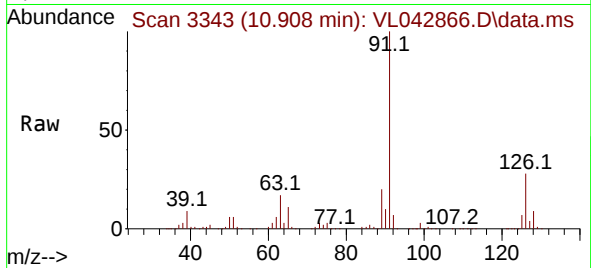
Tgt Ion: 91 Resp: 723303
Ion Ratio Lower Upper
91 100
92 54.7 44.6 66.8
134 22.6 19.0 28.4





#71
2-Chlorotoluene
Concen: 9.689 ppbv
RT: 10.908 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

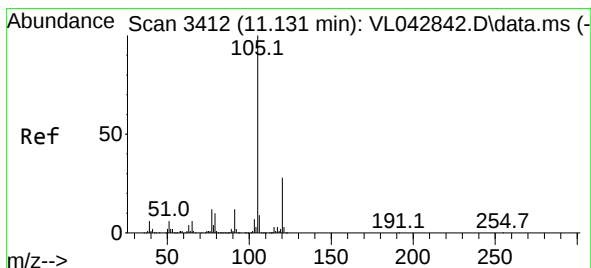
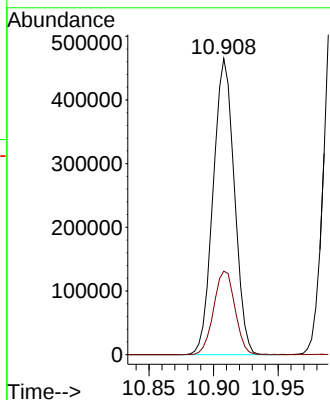
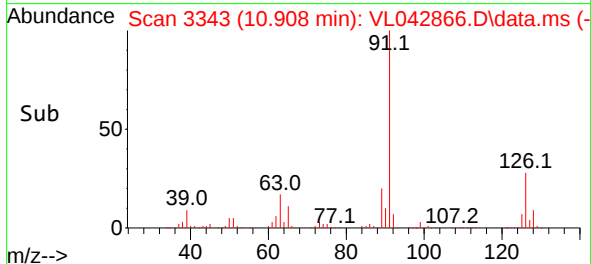
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



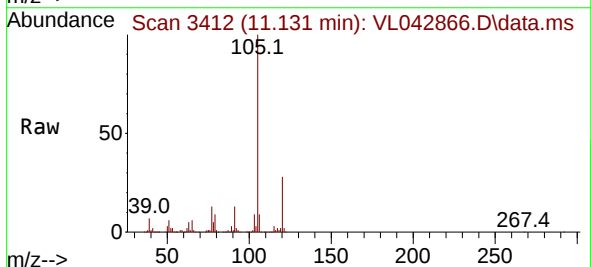
Tgt Ion: 91 Resp: 53020
Ion Ratio Lower Upper
91 100
126 28.3 12.0 47.8

Manual Integrations
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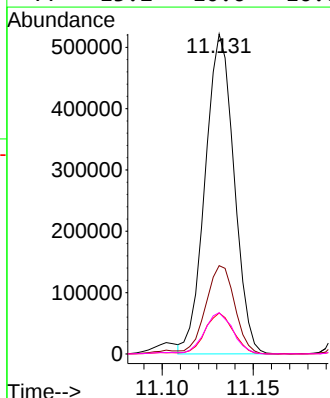
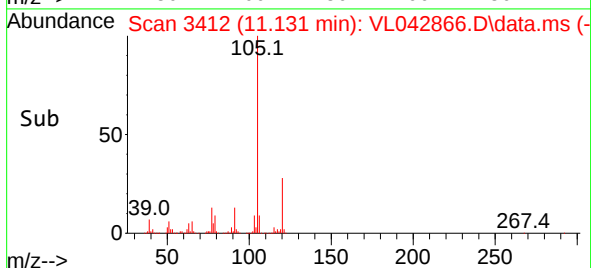
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

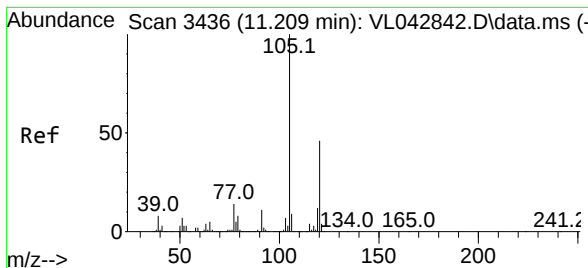


#72
4-Ethyltoluene
Concen: 9.826 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57



Tgt Ion:105 Resp: 574460
Ion Ratio Lower Upper
105 100
120 28.6 23.4 35.2
91 12.8 9.8 14.6
77 13.2 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 9.596 ppbv

RT: 11.209 min Scan# 3436

Delta R.T. 0.000 min

Lab File: VL042866.D

Acq: 21 Aug 2025 13:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 477078

Ion Ratio Lower Upper

105 100

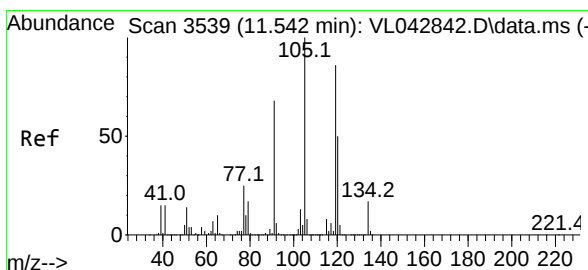
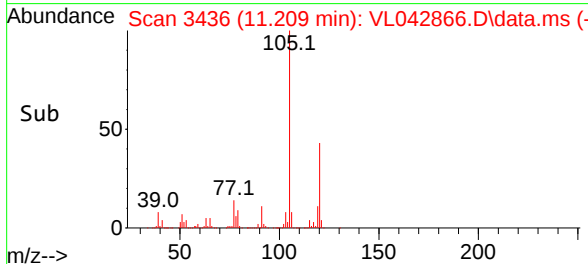
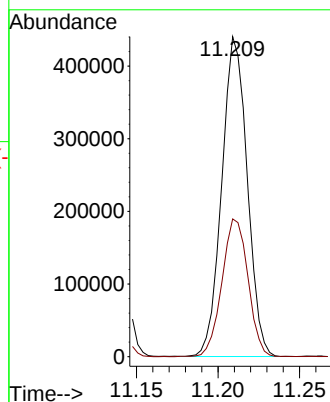
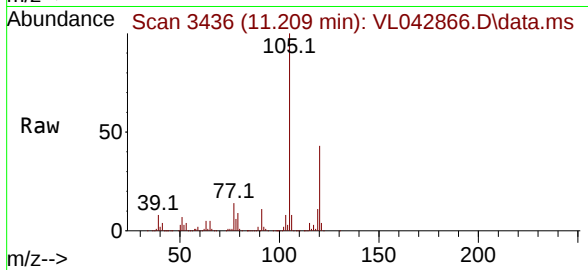
120 43.0 36.6 54.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/25/2025

Supervised By :Semsettin Yesilyurt 08/25/2025



#74

1,2,4-Trimethylbenzene

Concen: 9.570 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.000 min

Lab File: VL042866.D

Acq: 21 Aug 2025 13:57

Tgt Ion:105 Resp: 522237

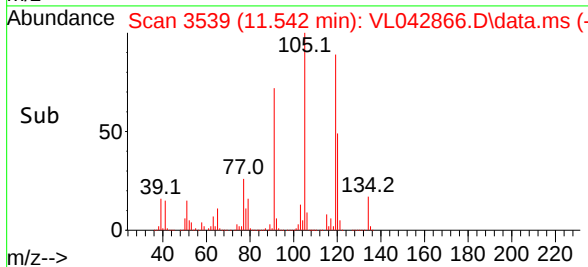
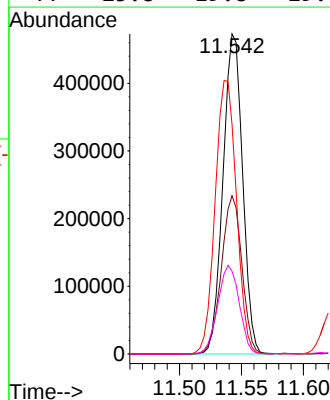
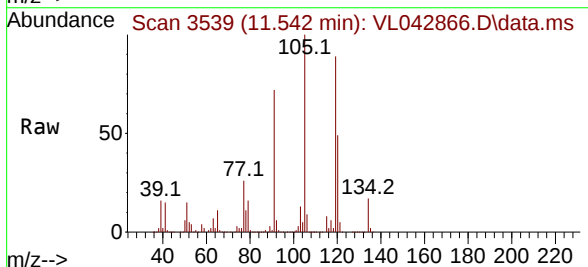
Ion Ratio Lower Upper

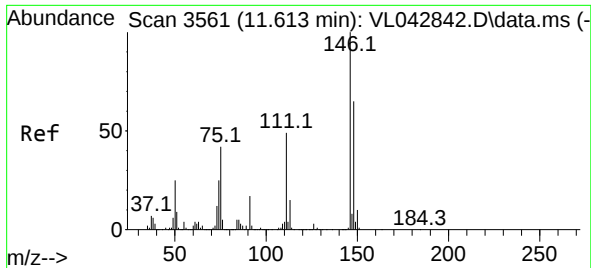
105 100

120 49.5 39.8 59.6

91 71.7 54.2 81.4

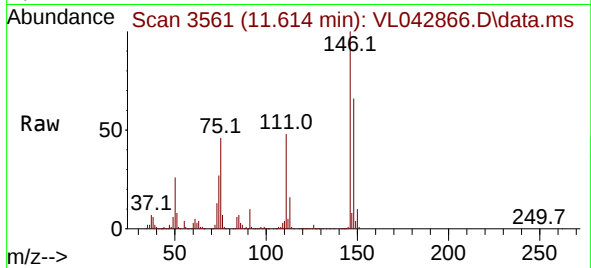
77 25.8 19.8 29.6





#75
1,3-Dichlorobenzene
Concen: 9.464 ppbv
RT: 11.614 min Scan# 3561
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

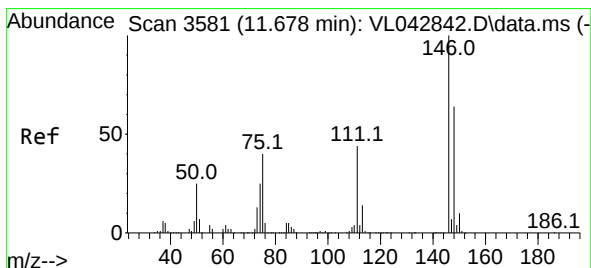
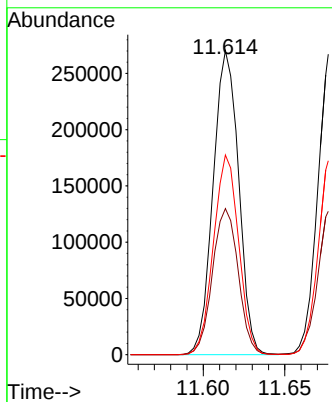
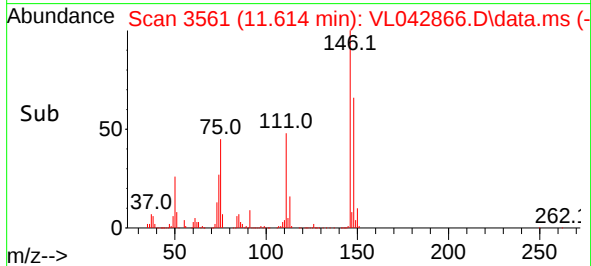
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



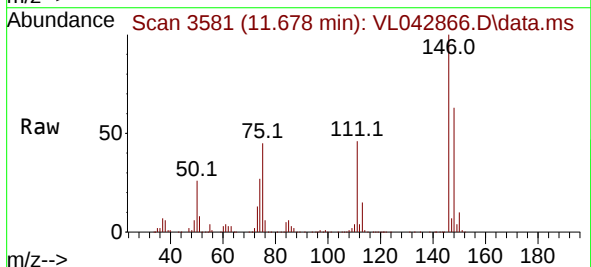
Tgt Ion:146 Resp: 293599
Ion Ratio Lower Upper
146 100
111 48.6 23.9 71.7
148 64.8 31.4 94.0

Manual Integrations
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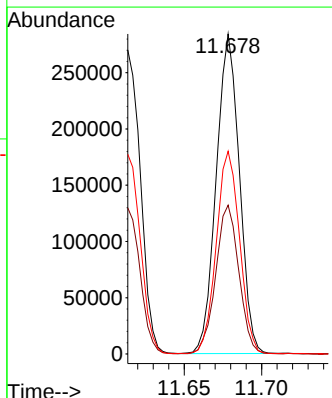
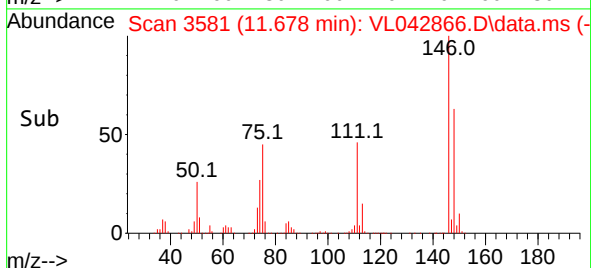
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

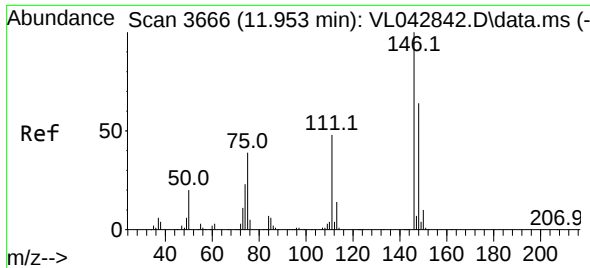


#76
1,4-Dichlorobenzene
Concen: 9.398 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57



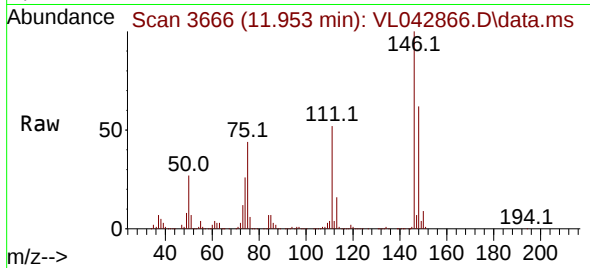
Tgt Ion:146 Resp: 294847
Ion Ratio Lower Upper
146 100
111 46.8 22.7 68.1
148 64.1 31.8 95.3





#77
1,2-Dichlorobenzene
Concen: 9.400 ppbv
RT: 11.953 min Scan# 3666
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57

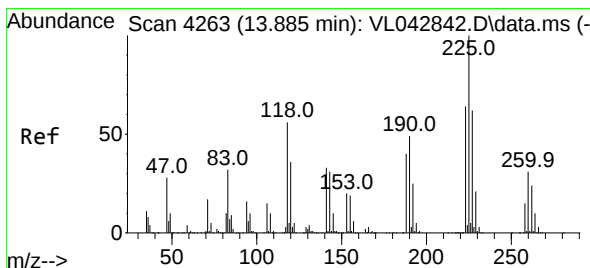
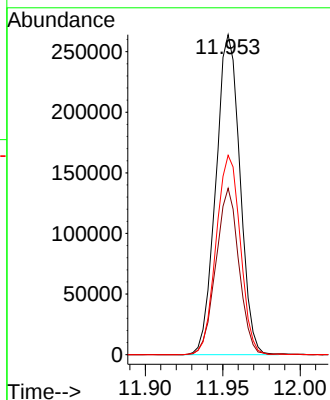
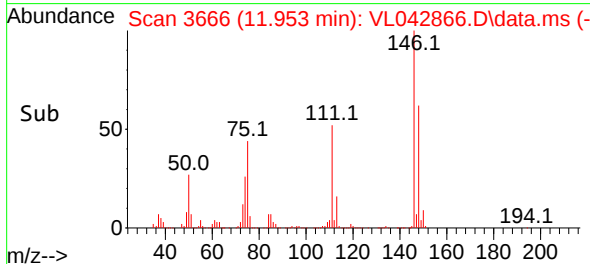
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



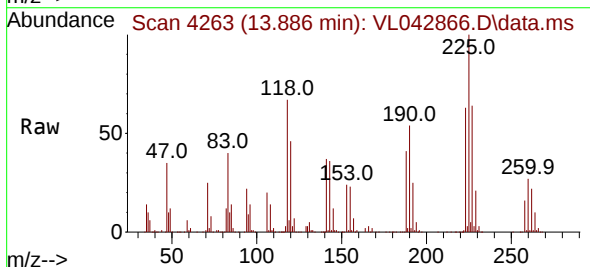
Tgt Ion:146 Resp: 28552
Ion Ratio Lower Upper
146 100
111 49.9 24.6 74.0
148 62.7 32.0 96.0

Manual Integrations
APPROVED

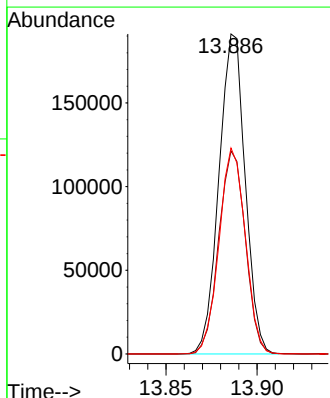
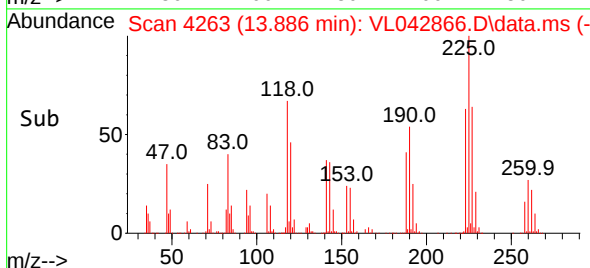
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

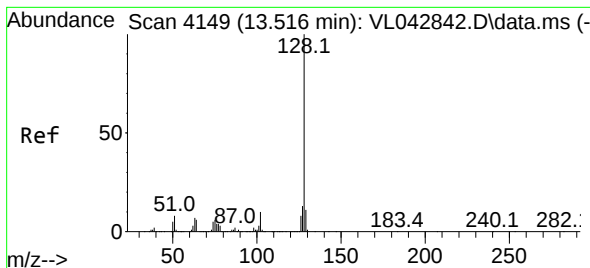


#78
Hexachloro-1,3-Butadiene
Concen: 7.693 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL042866.D
Acq: 21 Aug 2025 13:57



Tgt Ion:225 Resp: 191515
Ion Ratio Lower Upper
225 100
223 64.2 51.4 77.2
227 64.4 51.9 77.9





#79

Naphthalene

Concen: 9.508 ppbv

RT: 13.517 min Scan# 4149

Delta R.T. 0.000 min

Lab File: VL042866.D

Acq: 21 Aug 2025 13:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:128 Resp: 470360

Ion Ratio Lower Upper

128 100

127 11.9 10.6 16.0

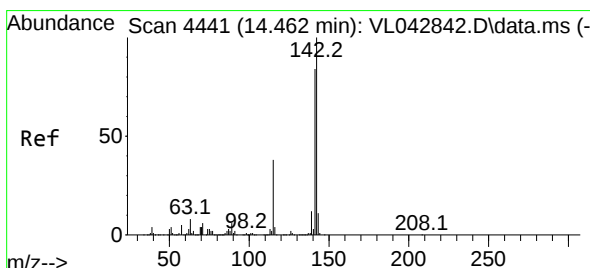
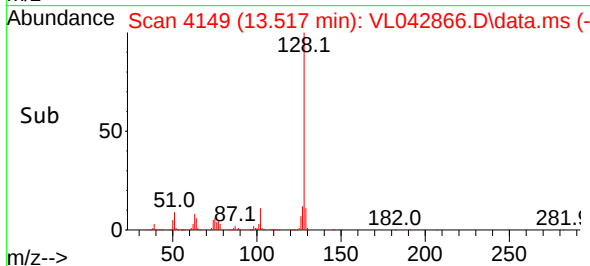
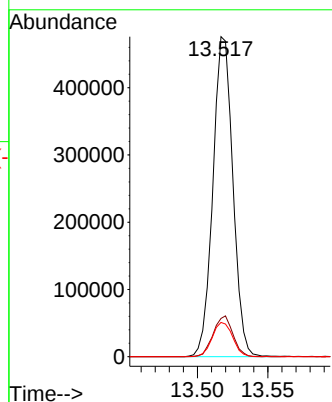
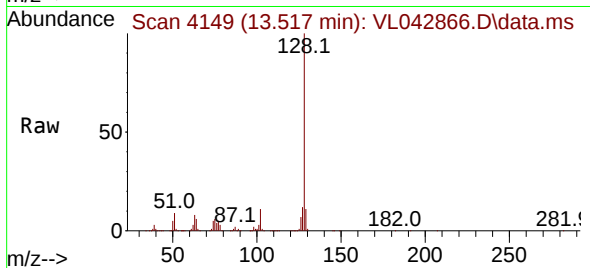
129 10.7 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/25/2025

Supervised By :Semsettin Yesilyurt 08/25/2025



#80

Naphthalene,2-methyl-

Concen: 7.902 ppbv

RT: 14.462 min Scan# 4441

Delta R.T. 0.000 min

Lab File: VL042866.D

Acq: 21 Aug 2025 13:57

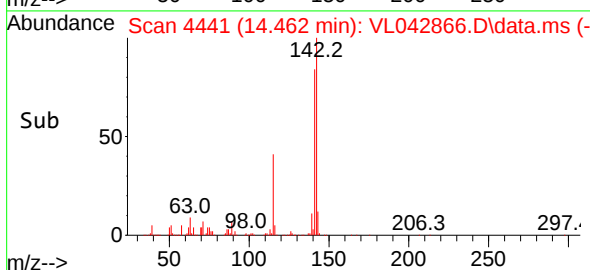
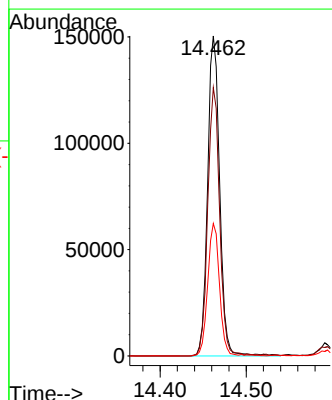
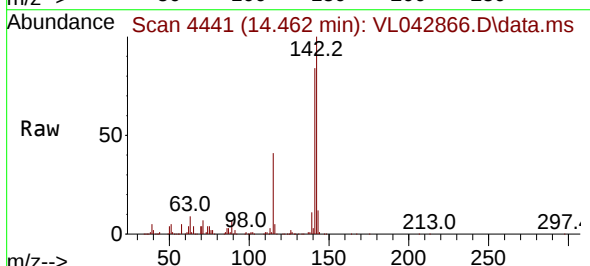
Tgt Ion:142 Resp: 146081

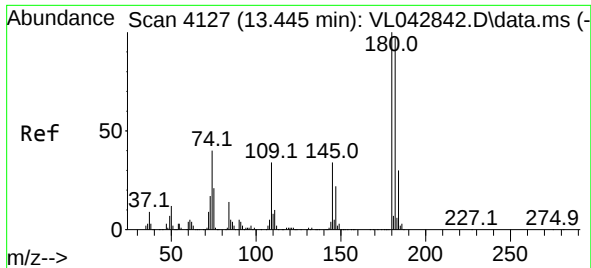
Ion Ratio Lower Upper

142 100

141 83.3 67.0 100.6

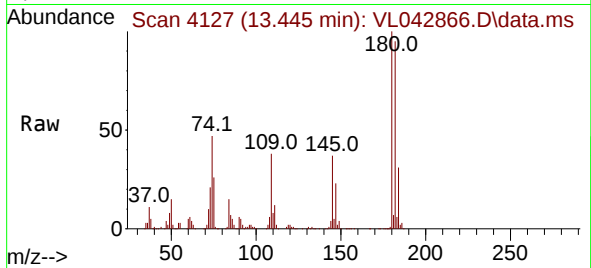
115 41.3 30.9 46.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.244 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042866.D
 Acq: 21 Aug 2025 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180 Resp: 229848
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.9 115.3
 184 30.2 24.5 36.7

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/25/2025
 Supervised By :Semsettin Yesilyurt 08/25/2025

