

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101625\
 Data File : VL043127.D
 Acq On : 16 Oct 2025 11:18
 Operator : SY/MD
 Sample : VL1016ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01

Quant Time: Oct 17 01:13:09 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

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

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/17/2025
 Supervised By : Mahesh Dadoda 10/17/2025

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

Internal Standards						
1) Bromochloromethane	2.790	49	90912	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	288948	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	252106	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 208995 10.665 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	143313	11.088	ppbv	99
3) Chlorodifluoromethane	1.479	51	130988	9.367	ppbv	93
4) Chloromethane	1.534	50	48252	9.424	ppbv	96
5) Vinyl Chloride	1.583	62	49337	9.824	ppbv	97
6) Bromomethane	1.670	94	29207	10.606	ppbv	94
7) Chloroethane	1.706	64	20109	9.794	ppbv	99
8) Dichlorotetrafluoroethane	1.557	85	114282	10.940	ppbv	96
9) Propene	1.486	41	47678	7.688	ppbv	99
10) Heptane	4.985	43	141869	7.946	ppbv	95
11) Trichlorofluoromethane	1.881	101	150199	11.881	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	113499	11.151	ppbv	99
13) Ethanol	1.722	45	18344	7.996	ppbv	98
14) Bromoethene	1.784	108	40985	10.840	ppbv	98
15) Acetone	1.835	43	112632	9.192	ppbv	99
16) 1,3-Butadiene	1.612	39	55938	9.579	ppbv	97
17) tert-Butyl alcohol	2.043	59	177150	10.532	ppbv	100
18) 1,1-Dichloroethene	2.036	96	49422	11.138	ppbv	92
19) Isopropyl Alcohol	1.887	45	73183	9.589	ppbv	100
20) Methylene Chloride	2.065	84	43443	8.969	ppbv	94
21) Allyl Chloride	2.098	41	89747	9.939	ppbv	92
22) trans-1,2-Dichloroethene	2.344	96	55968	10.552	ppbv	97
23) Vinyl Acetate	2.463	43	174101	9.699	ppbv	98
24) 1,1-Dichloroethane	2.412	63	109513	10.686	ppbv	99
25) Ethyl Acetate	2.836	43	265844	8.749	ppbv	99
26) Hexane	2.829	57	128562	9.182	ppbv	94
27) Carbon Disulfide	2.153	76	137461	10.715	ppbv	99
28) Methyl tert-Butyl Ether	2.441	73	66437	10.430	ppbv	94
29) Chloroform	2.852	83	211887	10.444	ppbv	100
30) Cyclohexane	3.858	84	108080	8.844	ppbv	93
31) cis-1,2-Dichloroethene	2.722	61	136578	10.215	ppbv	98
32) 1,1,1-Trichloroethane	3.370	97	225410	10.669	ppbv	99
34) 2-Butanone	2.557	43	175824	9.052	ppbv	97
35) Carbon Tetrachloride	3.768	117	231342	11.136	ppbv	100
36) Benzene	3.661	78	257206	9.451	ppbv	98
37) 1,2-Dichloroethane	3.221	62	172087	10.977	ppbv #	96
38) Trichloroethene	4.554	130	100221	8.818	ppbv	96
39) 1,2-Dichloropropane	4.318	63	90964	9.143	ppbv	92
40) 1,4-Dioxane	4.583	88	39371	8.843	ppbv #	94
41) Tetrahydrofuran	3.056	42	87412	8.046	ppbv	92
42) Bromodichloromethane	4.493	83	231475	10.668	ppbv	98
43) Methyl Methacrylate	4.884	69	127142	9.198	ppbv	93
44) 2,2,4-Trimethylpentane	4.642	57	407826	8.882	ppbv	97
45) t-1,3-Dichloropropene	6.419	75	134398	9.689	ppbv	96

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025

Quant Time: Oct 17 01:13:09 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

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

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

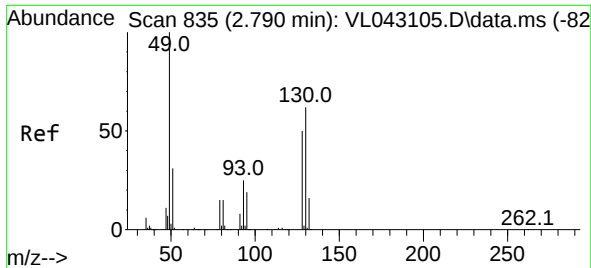
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	158197	9.547	ppbv	94
47) 1,1,2-Trichloroethane	6.587	97	100302	9.336	ppbv	98
48) Dibromochloromethane	7.390	129	178353	9.928	ppbv	100
49) Bromoform	9.484	173	144246	9.879	ppbv	100
50) 4-Methyl-2-Pentanone	5.752	43	225487	8.412	ppbv	98
51) 2-Hexanone	7.435	43	171746	8.542	ppbv #	99
52) Tetrachloroethene	8.228	164	88288	8.996	ppbv	95
53) Toluene	6.936	91	294609	9.121	ppbv	98
54) 1,2-Dibromoethane	7.655	107	157255	9.345	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.927	131	161319	10.151	ppbv	98
57) Chlorobenzene	8.924	112	218635	9.270	ppbv	97
58) Ethyl Benzene	9.357	91	416736	9.632	ppbv	98
59) m/p-Xylene	9.555	91	675504m	19.574	ppbv	
60) o-Xylene	9.966	91	332756	9.763	ppbv	98
61) Styrene	9.875	104	143481	9.325	ppbv	97
62) Isopropylbenzene	10.542	105	603364	9.797	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.963	83	207157	9.077	ppbv	100
64) n-propylbenzene	10.992	120	151633	9.299	ppbv	93
65) tert-Butylbenzene	11.532	119	497174	9.141	ppbv	93
66) Benzyl Chloride	11.617	91	50989	8.424	ppbv	98
67) sec-Butylbenzene	11.769	105	726431	9.411	ppbv	98
69) p-Isopropyltoluene	11.927	119	607694	9.265	ppbv	97
70) n-Butylbenzene	12.283	91	617901	9.560	ppbv	98
71) 2-Chlorotoluene	10.905	91	453663	9.658	ppbv	97
72) 4-Ethyltoluene	11.128	105	404726	9.657	ppbv	98
73) 1,3,5-Trimethylbenzene	11.206	105	340778	9.859	ppbv	91
74) 1,2,4-Trimethylbenzene	11.539	105	361647	9.350	ppbv	98
75) 1,3-Dichlorobenzene	11.610	146	208099	9.276	ppbv	98
76) 1,4-Dichlorobenzene	11.675	146	211340	9.343	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	195920	9.028	ppbv	97
78) Hexachloro-1,3-Butadiene	13.882	225	137516	8.184	ppbv	99
79) Naphthalene	13.513	128	354180	8.761	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	106518	10.113	ppbv	96
81) 1,2,4-Trichlorobenzene	13.442	180	151426	9.024	ppbv	99

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

Manual Integrations APPROVED

Quant Time: Oct 17 01:13:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration





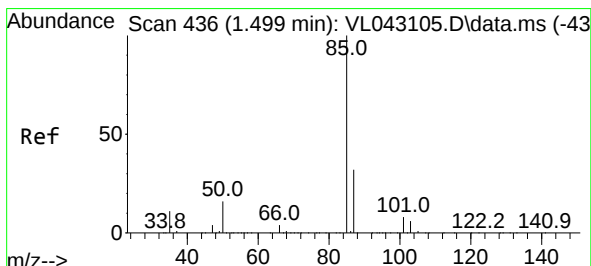
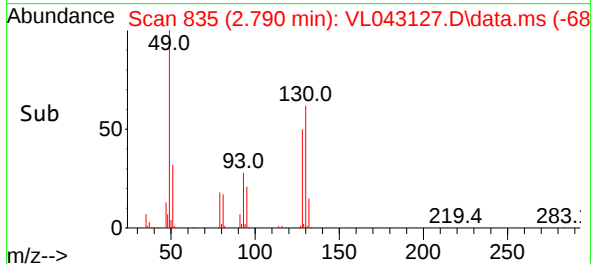
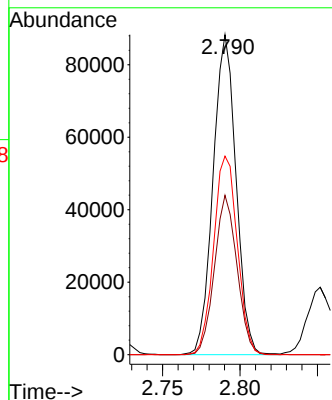
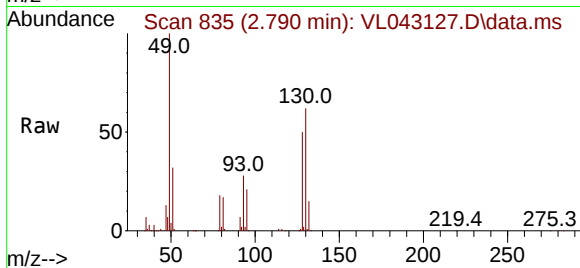
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tgt Ion: 49 Resp: 90912
Ion Ratio Lower Upper
49 100
128 49.0 24.4 73.4
130 63.9 31.0 93.0

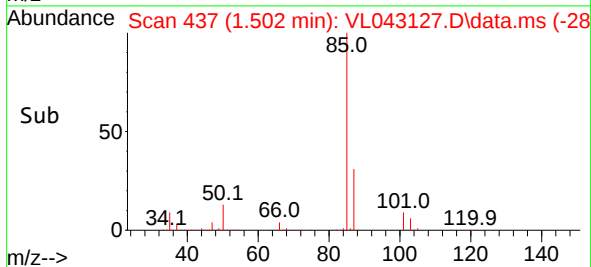
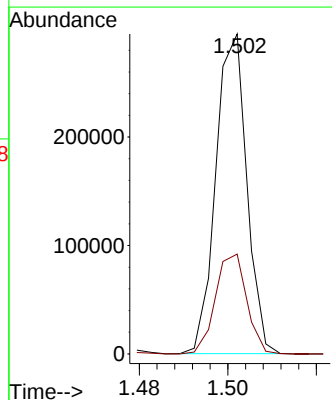
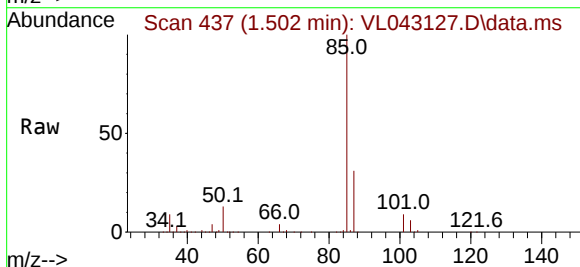
Manual Integrations
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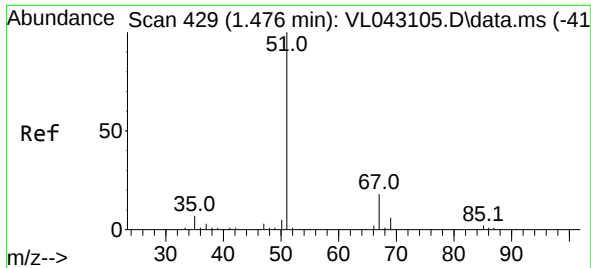
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#2
Dichlorodifluoromethane
Concen: 11.088 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 85 Resp: 143313
Ion Ratio Lower Upper
85 100
87 31.2 25.3 37.9





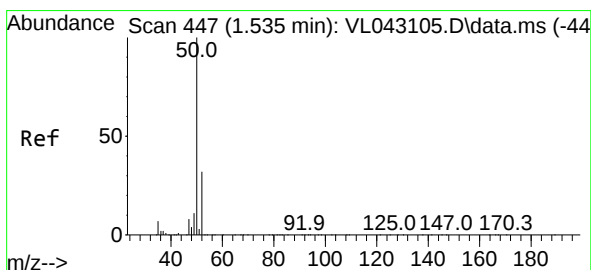
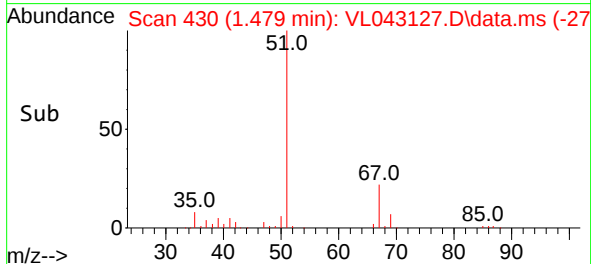
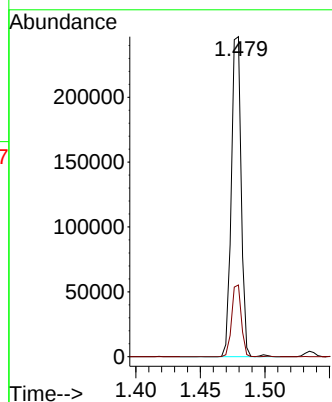
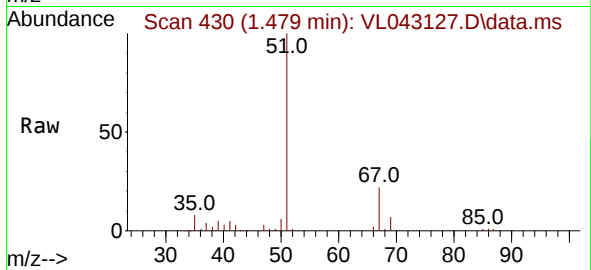
#3
Chlorodifluoromethane
Concen: 9.367 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tgt Ion: 51 Resp: 130988
Ion Ratio Lower Upper
51 100
67 22.0 15.1 22.7

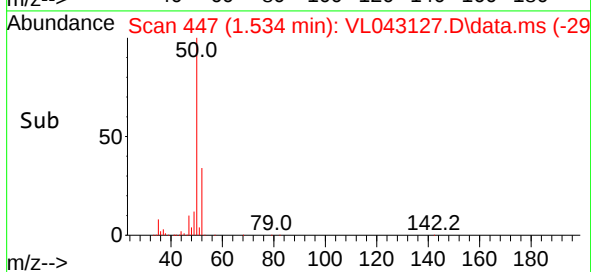
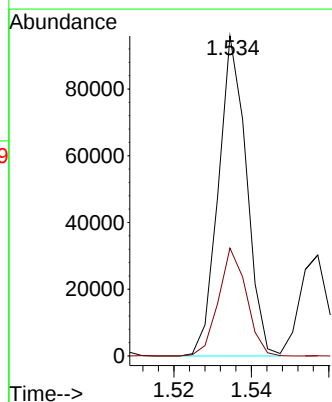
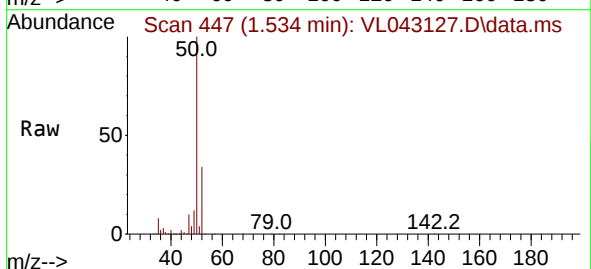
Manual Integrations
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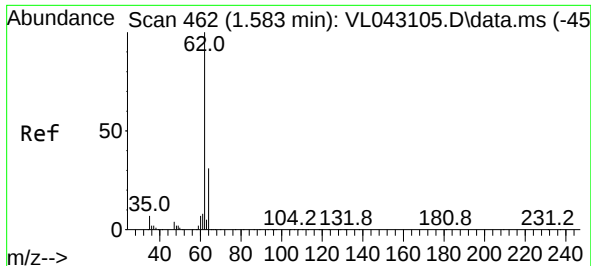
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#4
Chloromethane
Concen: 9.424 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

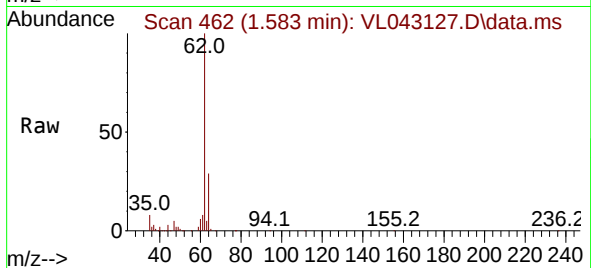
Tgt Ion: 50 Resp: 48252
Ion Ratio Lower Upper
50 100
52 33.7 25.2 37.8





#5
 Vinyl Chloride
 Concen: 9.824 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

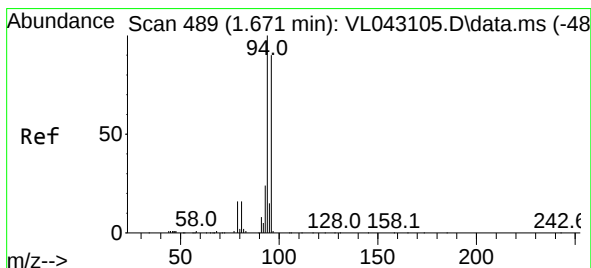
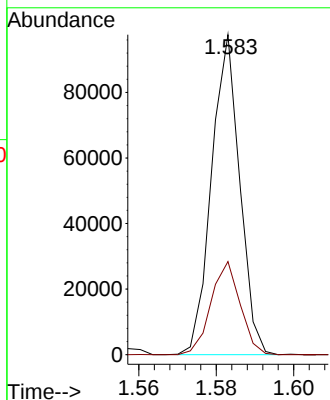
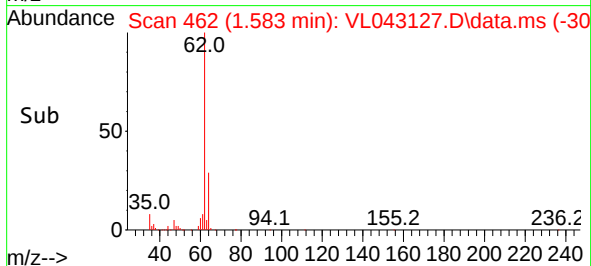
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01



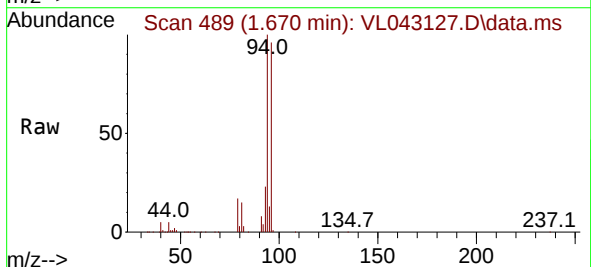
Tgt Ion: 62 Resp: 4933
 Ion Ratio Lower Upper
 62 100
 64 29.1 24.6 36.8

Manual Integrations
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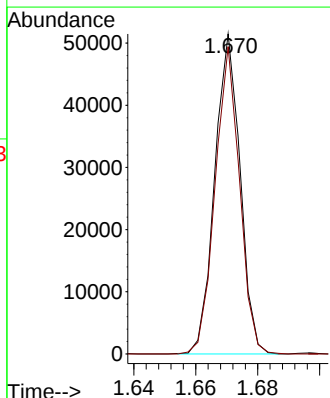
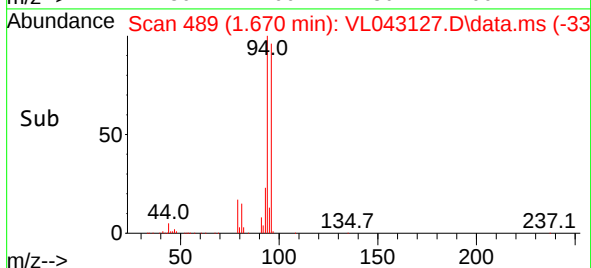
Reviewed By :Semsettin Yesilyurt 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025

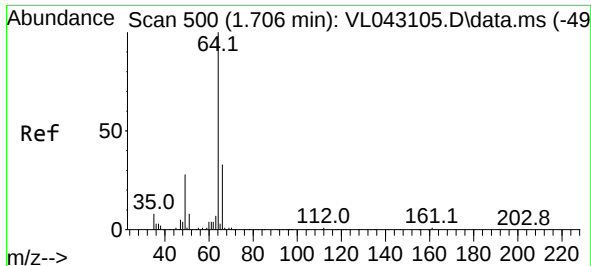


#6
 Bromomethane
 Concen: 10.606 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18



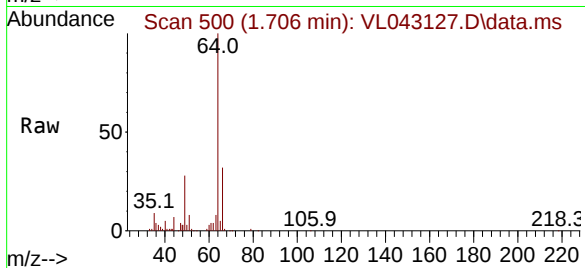
Tgt Ion: 94 Resp: 29207
 Ion Ratio Lower Upper
 94 100
 96 96.0 72.2 108.4





#7
Chloroethane
Concen: 9.794 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

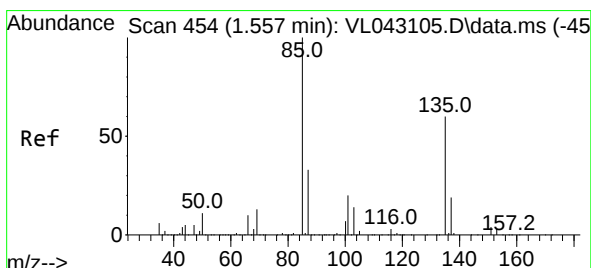
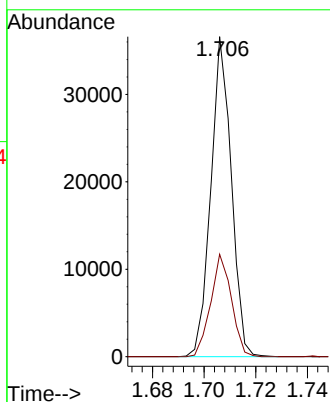
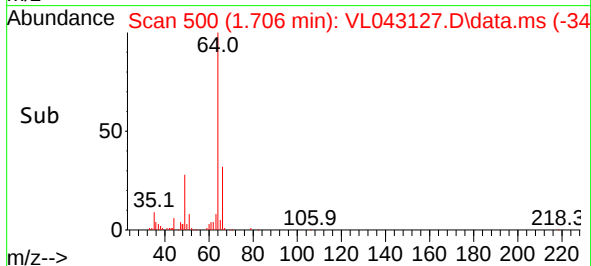
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01



Tgt Ion: 64 Resp: 20109
Ion Ratio Lower Upper
64 100
66 32.0 26.0 39.0

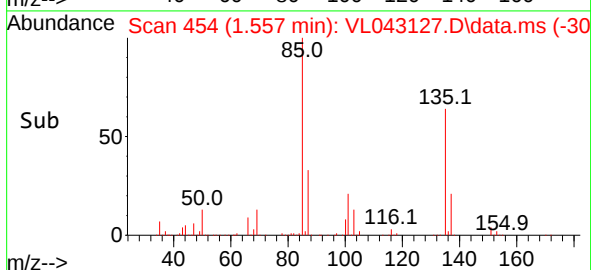
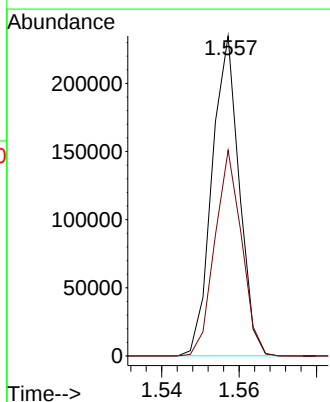
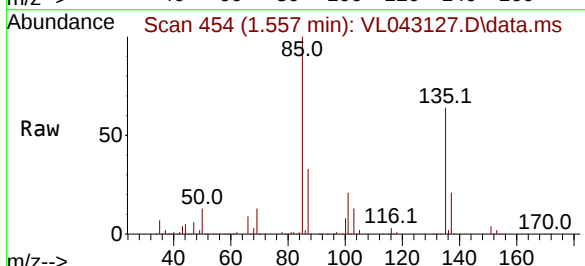
Manual Integrations
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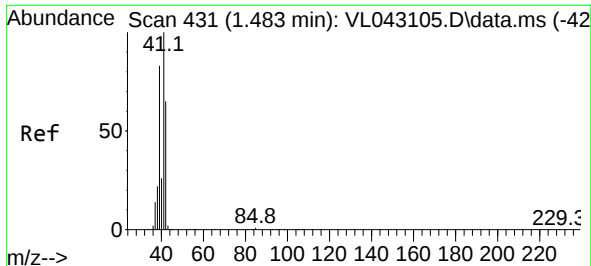
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#8
Dichlorotetrafluoroethane
Concen: 10.940 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 85 Resp: 114282
Ion Ratio Lower Upper
85 100
135 63.6 48.2 72.4





#9

Propene

Concen: 7.688 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tgt Ion: 41 Resp: 47678

Ion Ratio Lower Upper

41 100

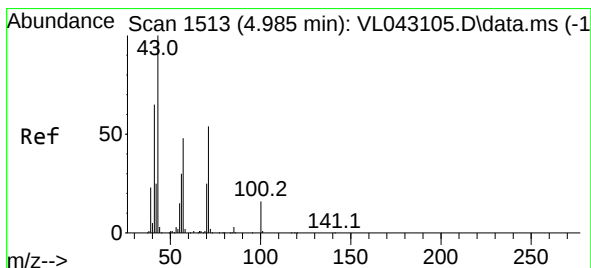
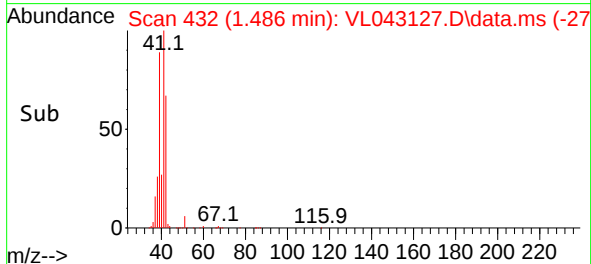
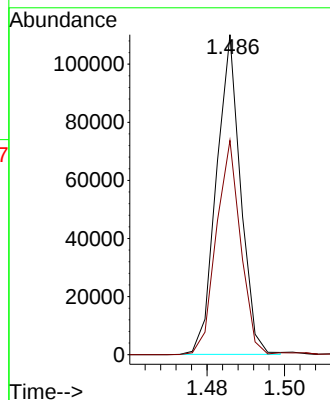
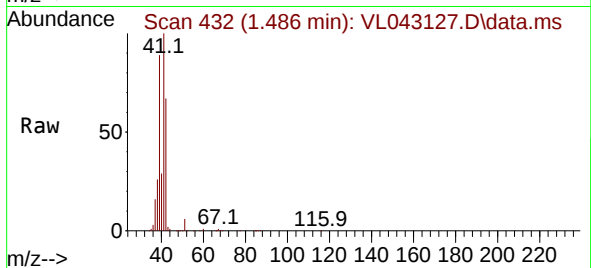
42 68.4 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#10

Heptane

Concen: 7.946 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. -0.000 min

Lab File: VL043127.D

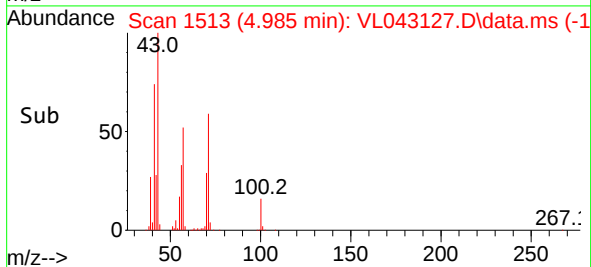
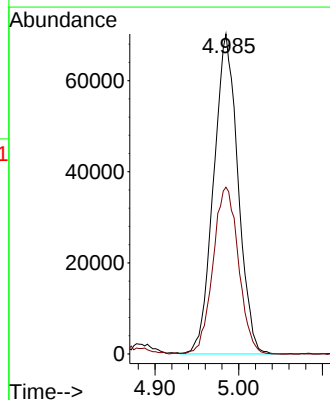
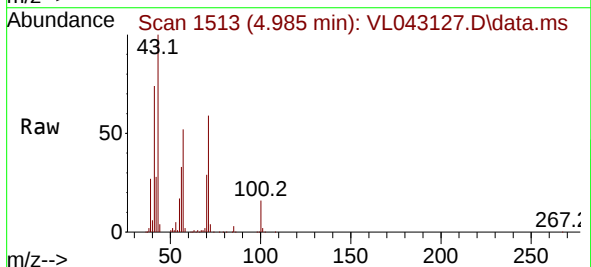
Acq: 16 Oct 2025 11:18

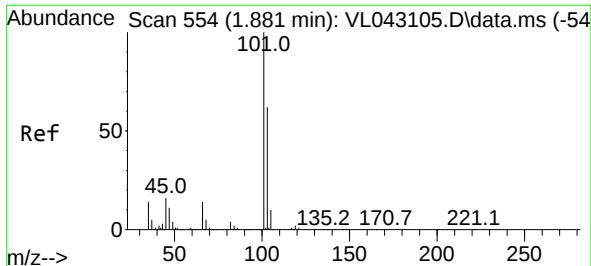
Tgt Ion: 43 Resp: 141869

Ion Ratio Lower Upper

43 100

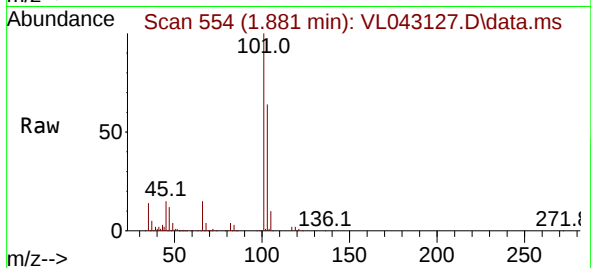
57 54.6 40.8 61.2





#11
Trichlorofluoromethane
Concen: 11.881 ppbv
RT: 1.881 min Scan# 554
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

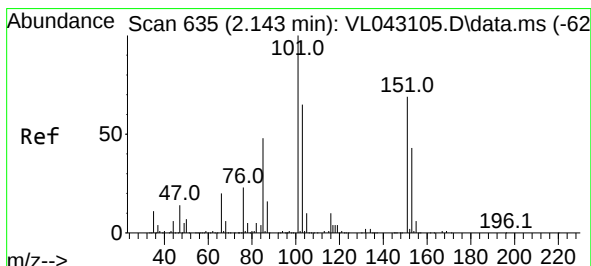
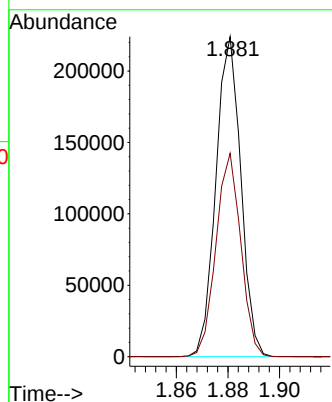
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01



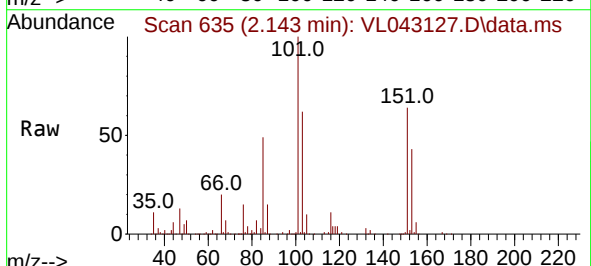
Tgt Ion:101 Resp: 150199
Ion Ratio Lower Upper
101 100
103 63.6 49.3 73.9

Manual Integrations
APPROVED

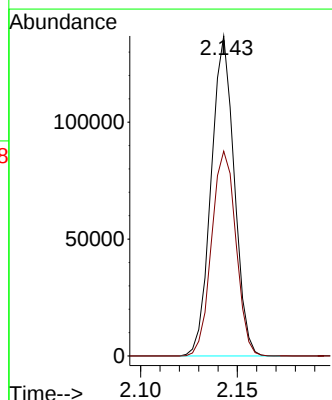
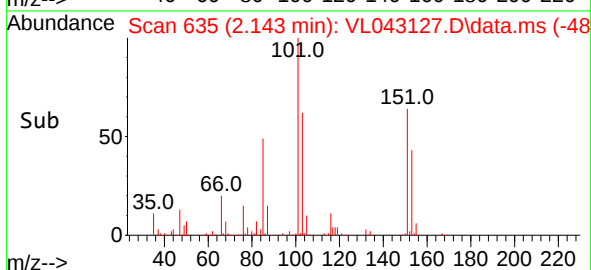
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

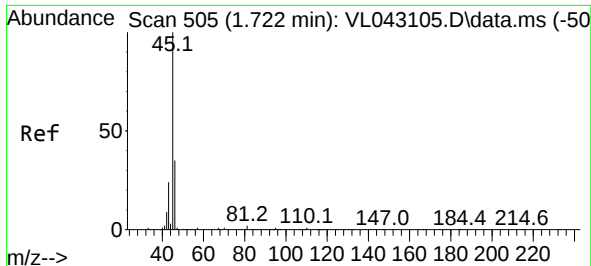


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.151 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18



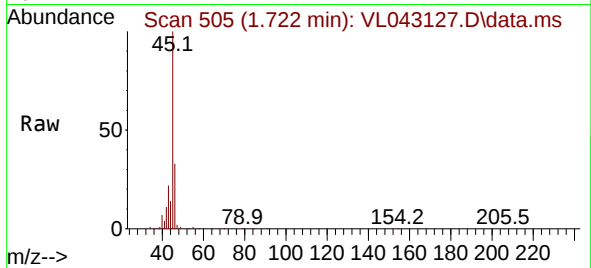
Tgt Ion:101 Resp: 113499
Ion Ratio Lower Upper
101 100
151 67.3 54.7 82.1





#13
Ethanol
Concen: 7.996 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

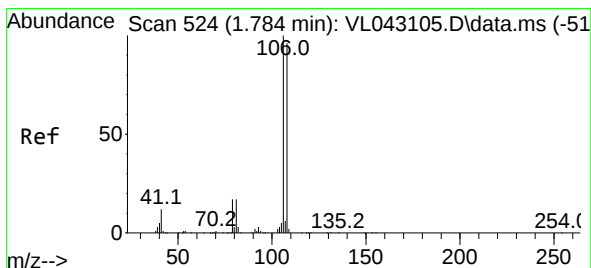
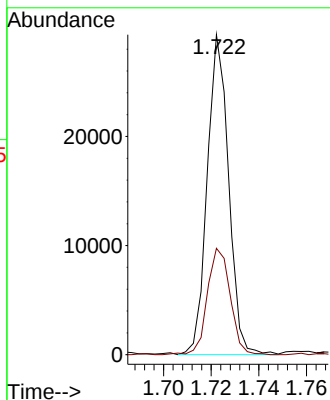
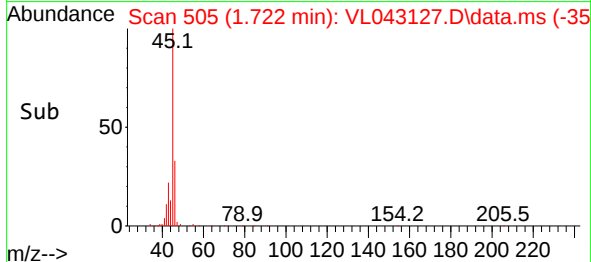
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01



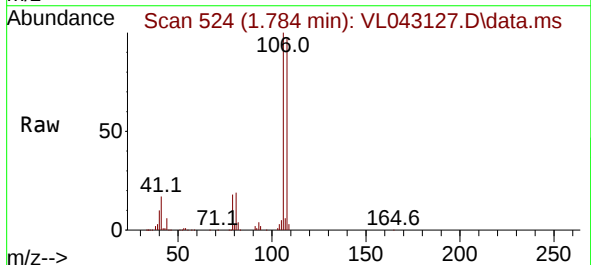
Tgt Ion: 45 Resp: 18344
Ion Ratio Lower Upper
45 100
46 35.5 14.7 58.9

Manual Integrations
APPROVED

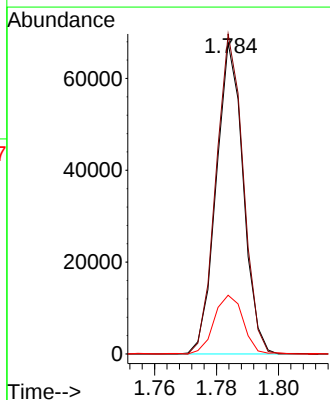
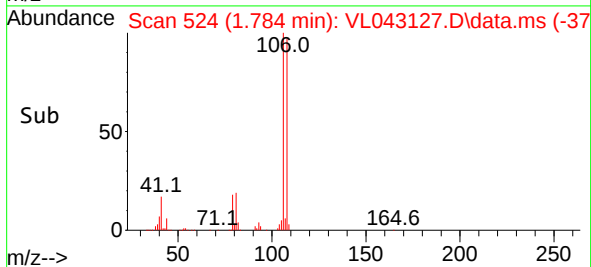
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

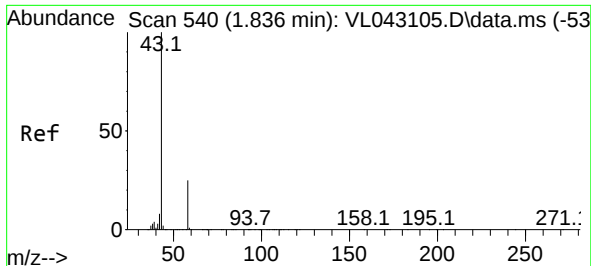


#14
Bromoethene
Concen: 10.840 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18



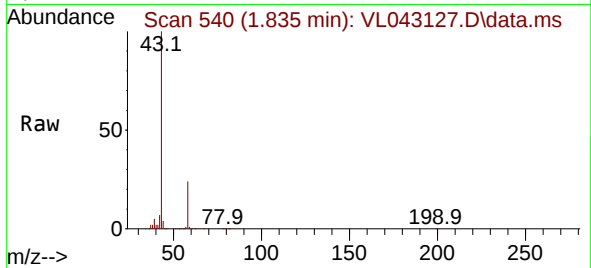
Tgt Ion:108 Resp: 40985
Ion Ratio Lower Upper
108 100
106 103.6 84.4 126.6
79 20.4 15.3 22.9





#15
Acetone
Concen: 9.192 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

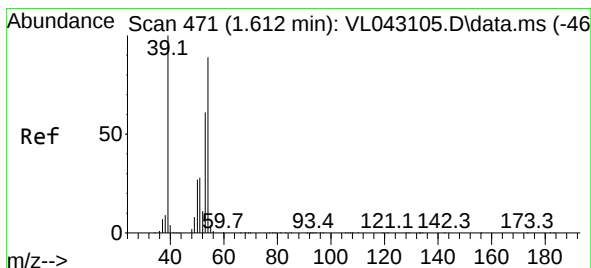
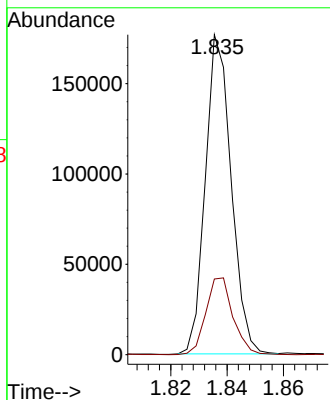
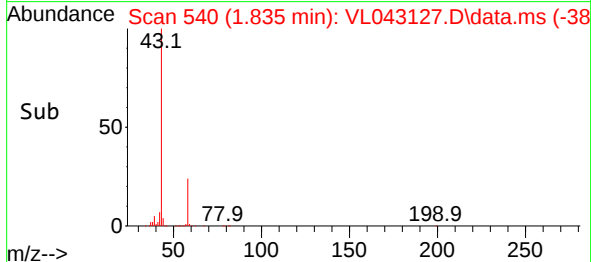
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01



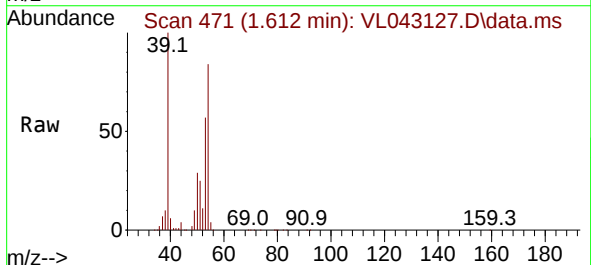
Tgt Ion: 43 Resp: 112632
Ion Ratio Lower Upper
43 100
58 25.6 20.8 31.2

Manual Integrations
APPROVED

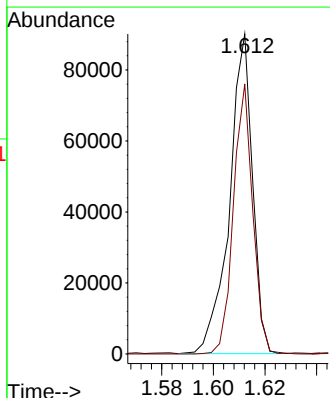
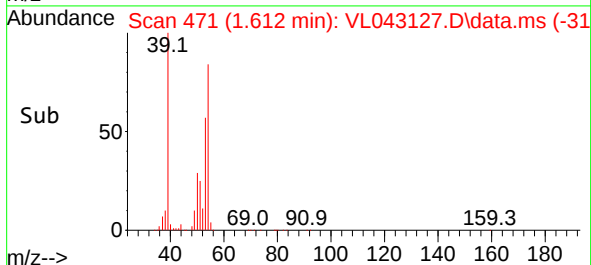
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

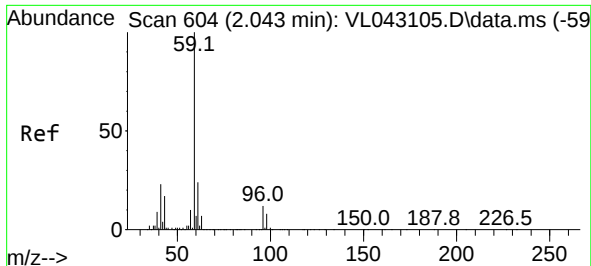


#16
1,3-Butadiene
Concen: 9.579 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18



Tgt Ion: 39 Resp: 55938
Ion Ratio Lower Upper
39 100
54 70.8 59.0 88.4





#17

tert-Butyl alcohol

Concen: 10.532 ppbv

RT: 2.043 min Scan# 604

Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tgt Ion: 59 Resp: 177150

Ion Ratio Lower Upper

59 100

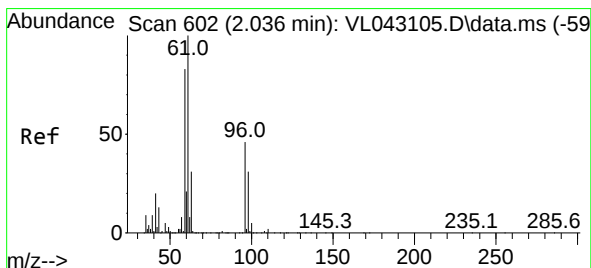
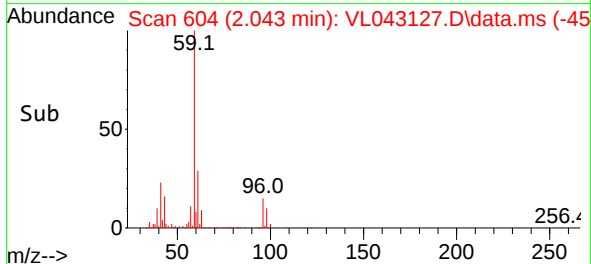
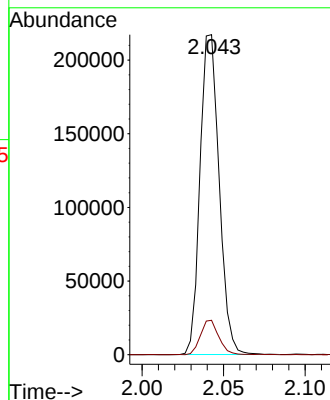
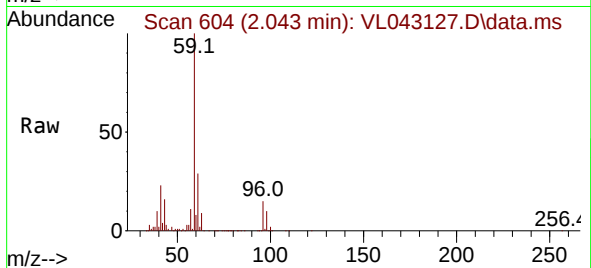
57 10.4 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#18

1,1-Dichloroethene

Concen: 11.138 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

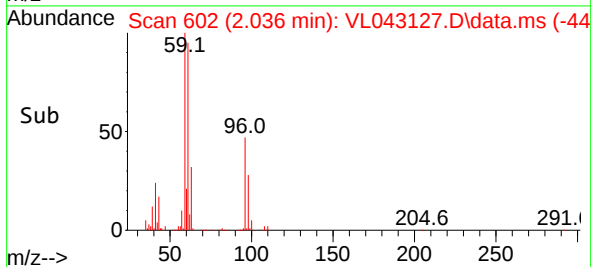
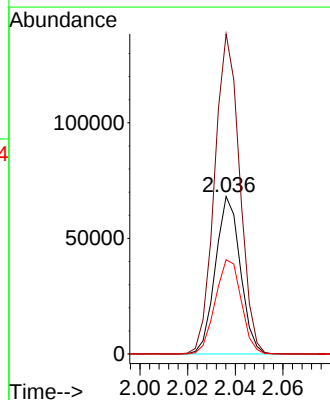
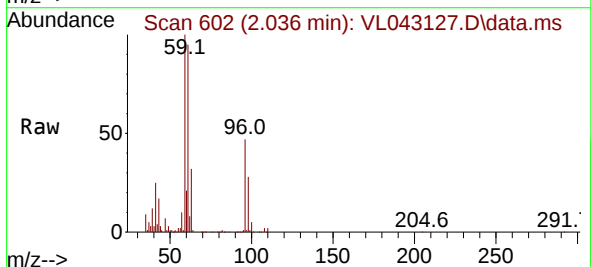
Tgt Ion: 96 Resp: 49422

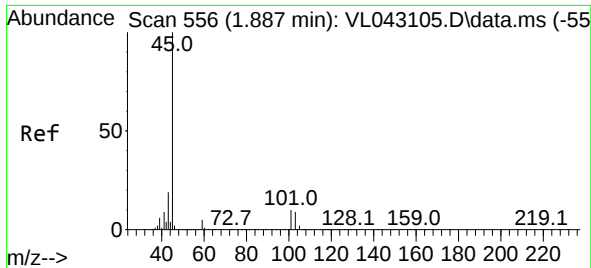
Ion Ratio Lower Upper

96 100

61 203.2 173.4 260.0

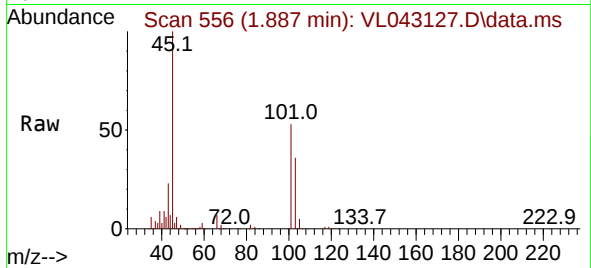
98 59.9 53.2 79.8





#19
Isopropyl Alcohol
Concen: 9.589 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

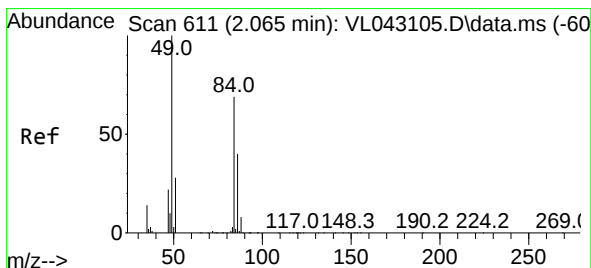
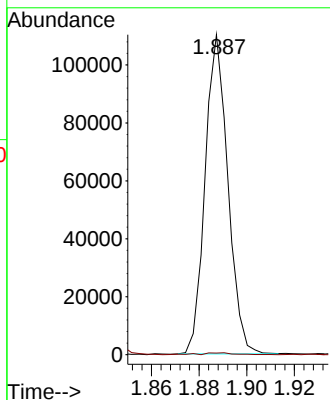
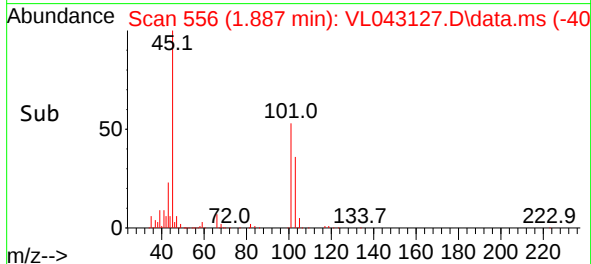
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01



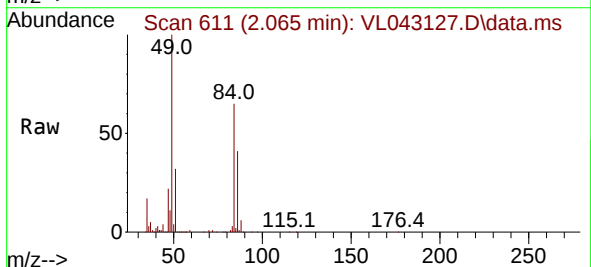
Tgt Ion: 45 Resp: 7318
Ion Ratio Lower Upper
45 100
58 39.2 31.3 46.9

Manual Integrations
APPROVED

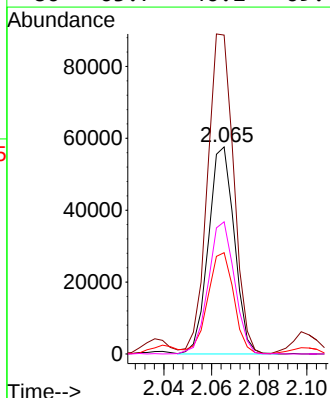
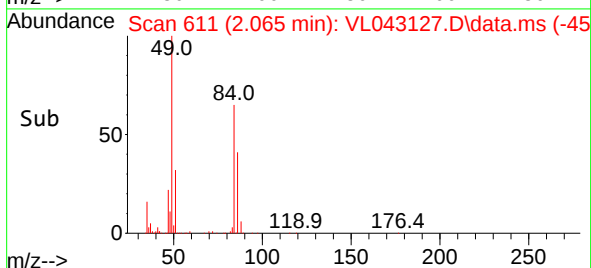
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

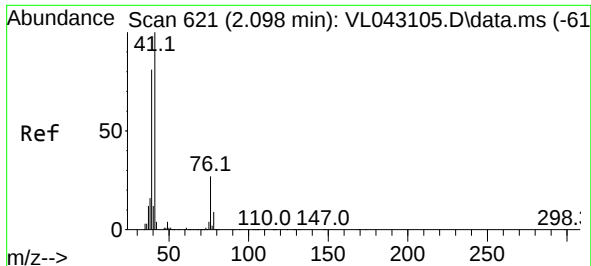


#20
Methylene Chloride
Concen: 8.969 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18



Tgt Ion: 84 Resp: 43443
Ion Ratio Lower Upper
84 100
49 152.6 116.6 175.0
51 48.3 34.8 52.2
86 63.7 46.2 69.4





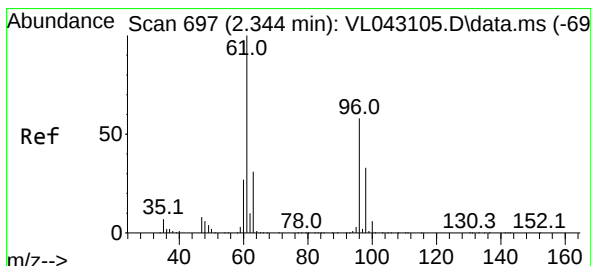
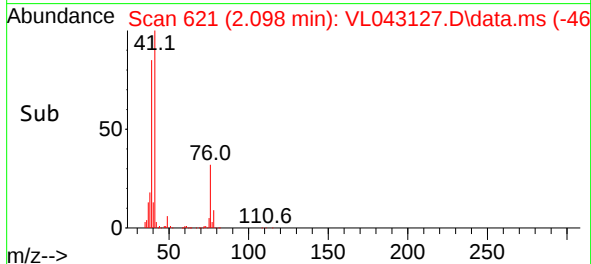
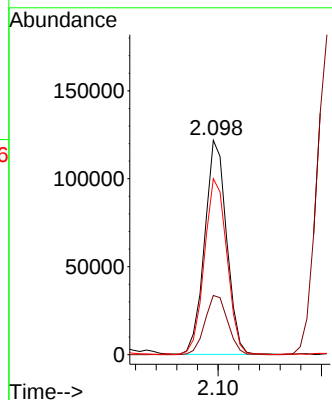
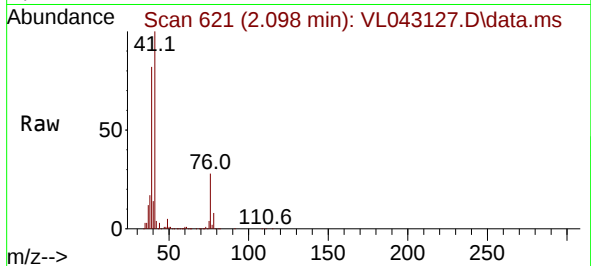
#21
 Allyl Chloride
 Concen: 9.939 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01

Tgt Ion: 41 Resp: 8974
 Ion Ratio Lower Upper
 41 100
 76 28.8 21.5 32.3
 39 84.3 60.8 91.2

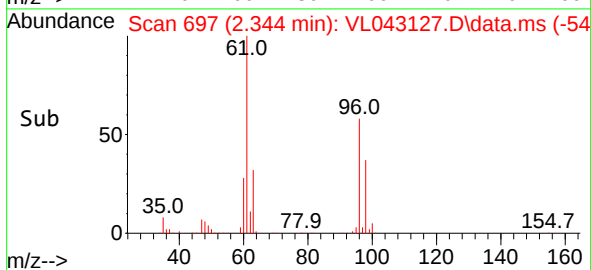
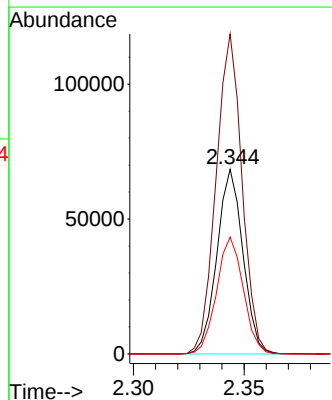
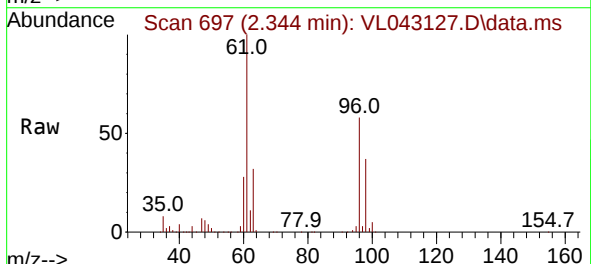
Manual Integrations
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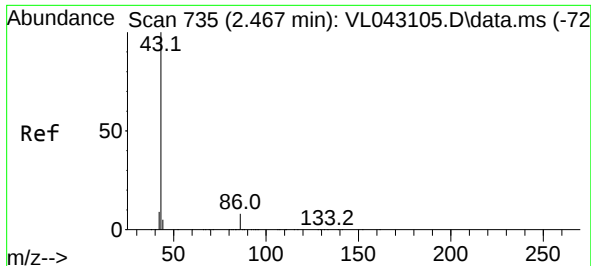
Reviewed By :Semsettin Yesilyurt 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025



#22
 trans-1,2-Dichloroethene
 Concen: 10.552 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

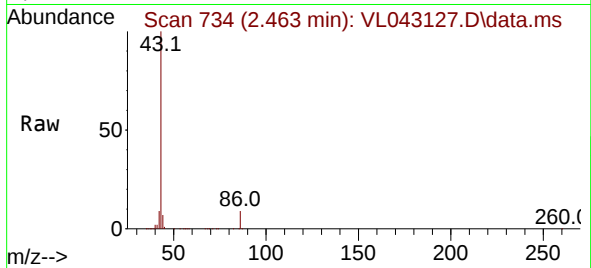
Tgt Ion: 96 Resp: 55968
 Ion Ratio Lower Upper
 96 100
 61 173.3 137.0 205.6
 98 63.3 45.5 68.3





#23
 Vinyl Acetate
 Concen: 9.699 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. -0.003 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

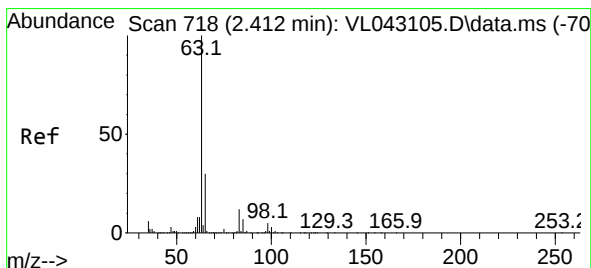
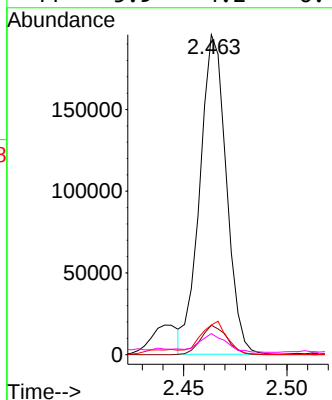
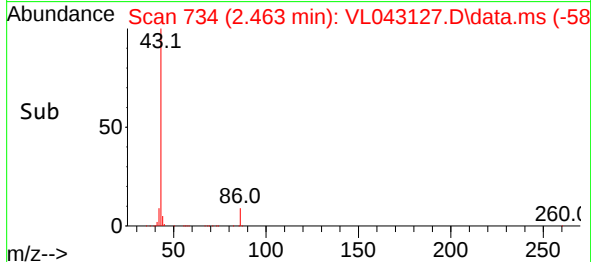
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01



Tgt Ion: 43 Resp: 17410
 Ion Ratio Lower Upper
 43 100
 86 9.2 6.2 9.2
 42 9.2 7.6 11.4
 44 5.9 4.2 6.4

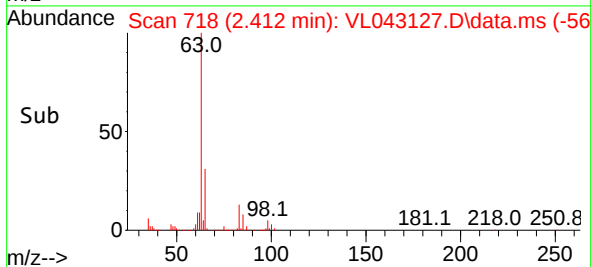
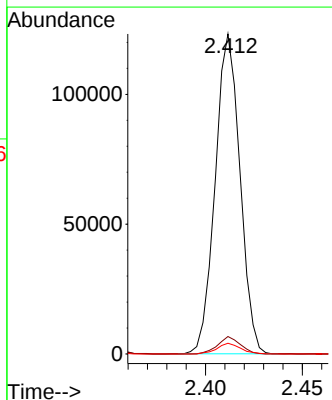
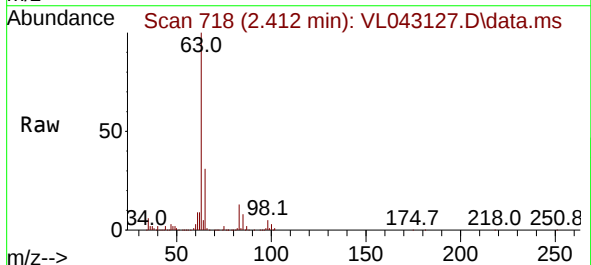
Manual Integrations
 APPROVED

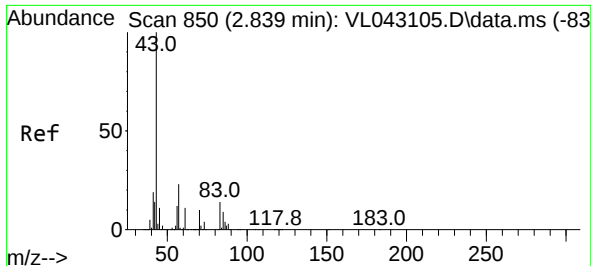
Reviewed By :Semsettin Yesilyurt 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025



#24
 1,1-Dichloroethane
 Concen: 10.686 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

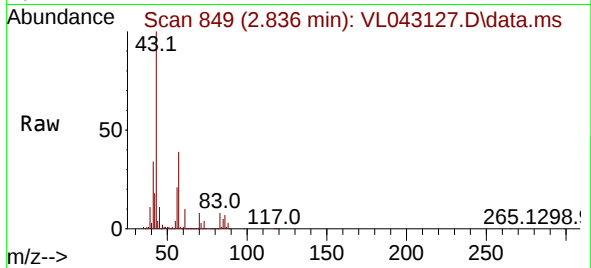
Tgt Ion: 63 Resp: 109513
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.6 7.8
 100 3.4 1.5 4.4





#25
Ethyl Acetate
Concen: 8.749 ppbv
RT: 2.836 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

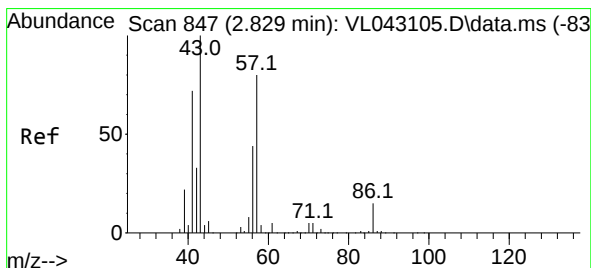
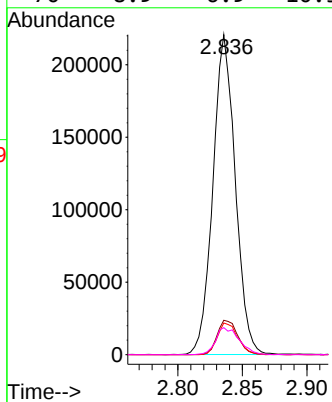
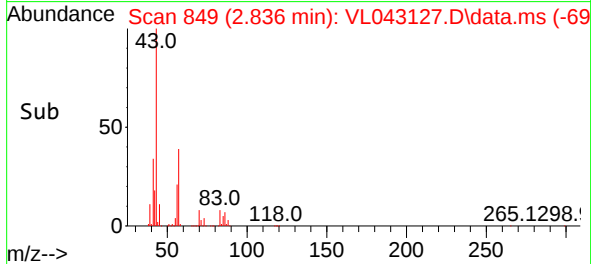
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01



Tgt Ion: 43 Resp: 265844
Ion Ratio Lower Upper
43 100
45 10.0 7.8 11.8
61 9.2 7.0 10.6
70 8.9 6.9 10.3

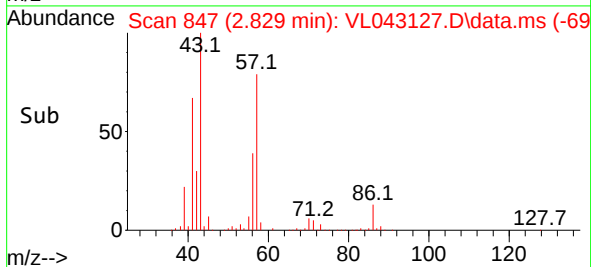
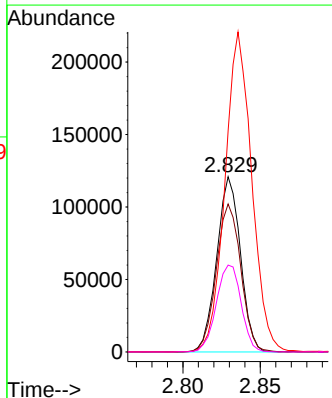
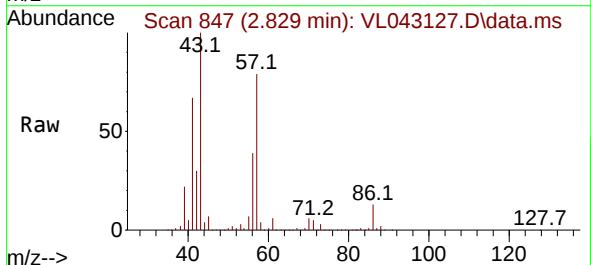
Manual Integrations
APPROVED

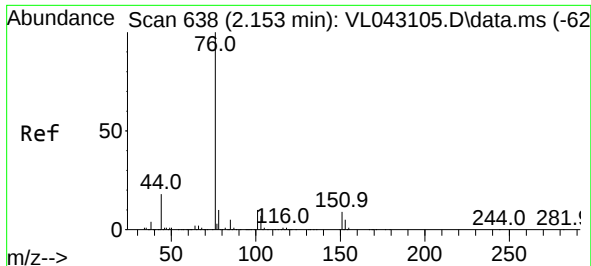
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#26
Hexane
Concen: 9.182 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

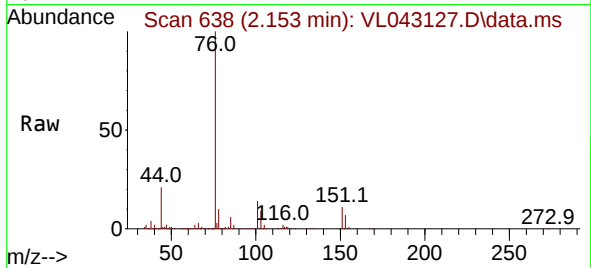
Tgt Ion: 57 Resp: 128562
Ion Ratio Lower Upper
57 100
41 87.8 71.4 107.0
43 207.3 178.5 267.7
56 52.0 42.2 63.4





#27
Carbon Disulfide
Concen: 10.715 ppbv
RT: 2.153 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

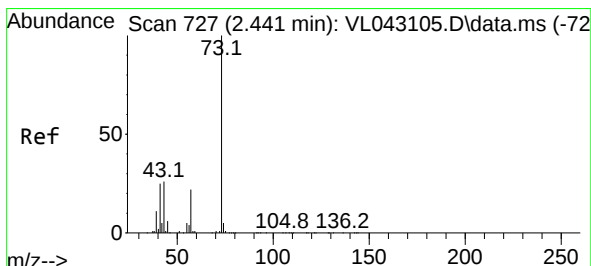
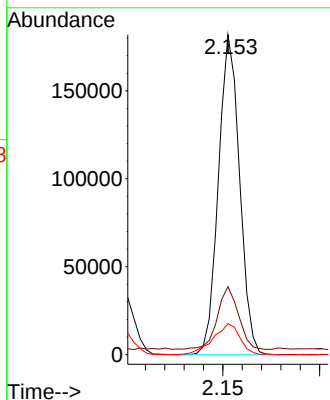
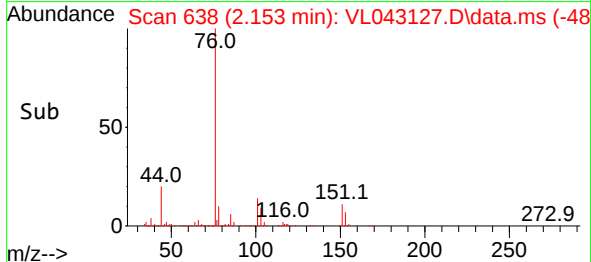
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01



Tgt Ion: 76 Resp: 137463
Ion Ratio Lower Upper
76 100
44 20.7 16.7 25.1
78 12.3 9.3 13.9

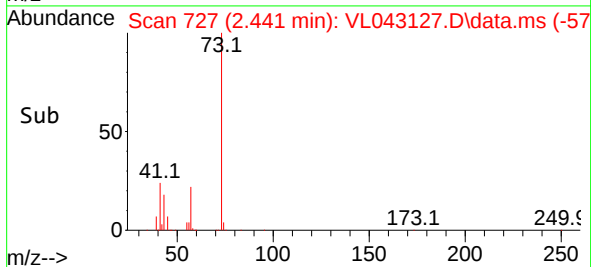
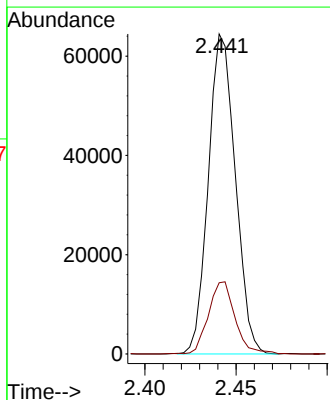
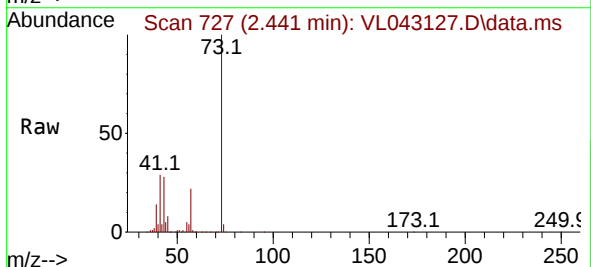
Manual Integrations
APPROVED

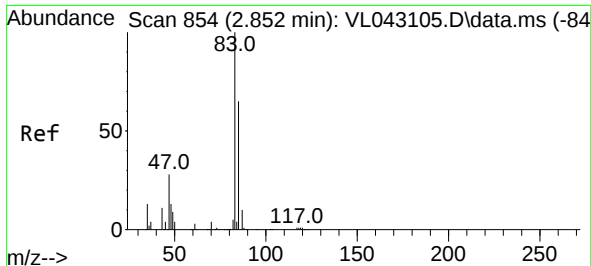
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#28
Methyl tert-Butyl Ether
Concen: 10.430 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 73 Resp: 66437
Ion Ratio Lower Upper
73 100
57 22.3 20.5 30.7





#29

Chloroform

Concen: 10.444 ppbv

RT: 2.852 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tgt Ion: 83 Resp: 21188

Ion Ratio Lower Upper

83 100

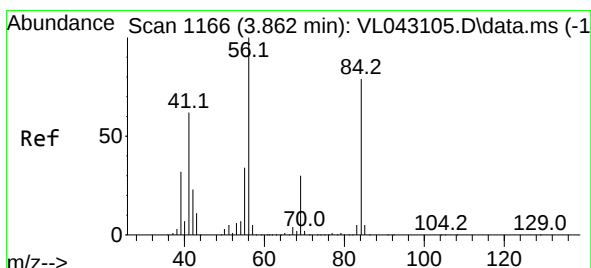
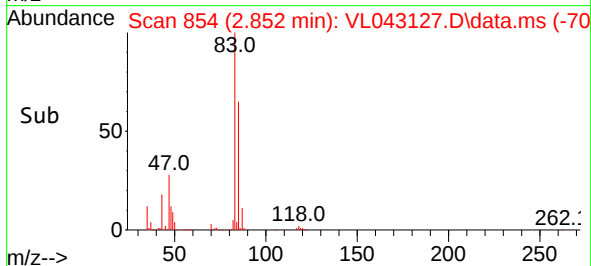
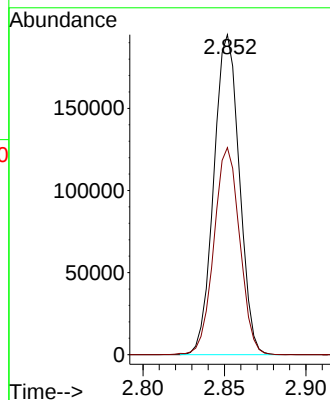
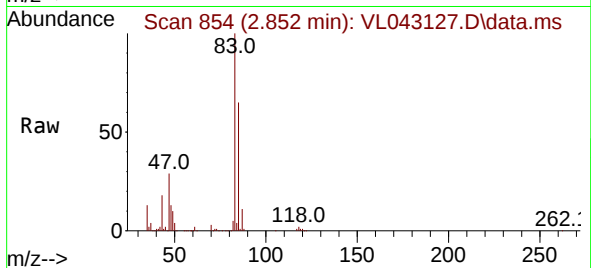
85 64.7 51.8 77.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#30

Cyclohexane

Concen: 8.844 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

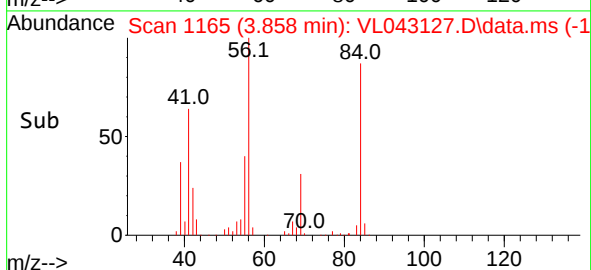
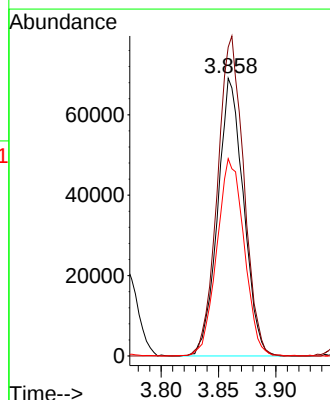
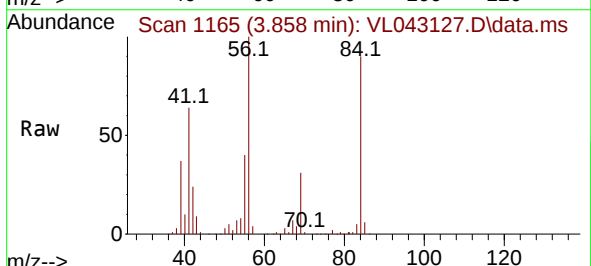
Tgt Ion: 84 Resp: 108080

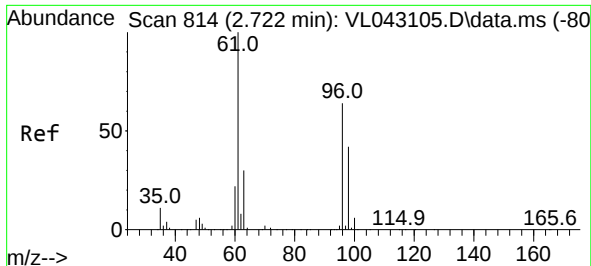
Ion Ratio Lower Upper

84 100

56 117.1 100.9 151.3

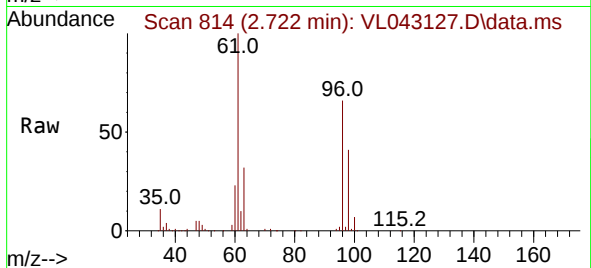
41 75.2 63.8 95.6





#31
 cis-1,2-Dichloroethene
 Concen: 10.215 ppbv
 RT: 2.722 min Scan# 814
 Delta R.T. -0.000 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

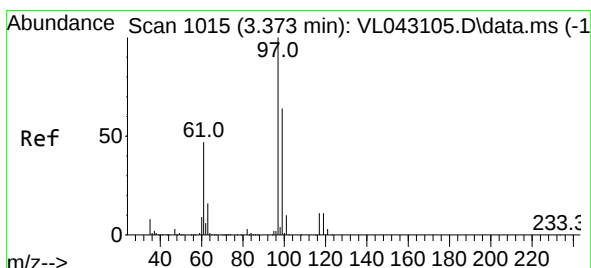
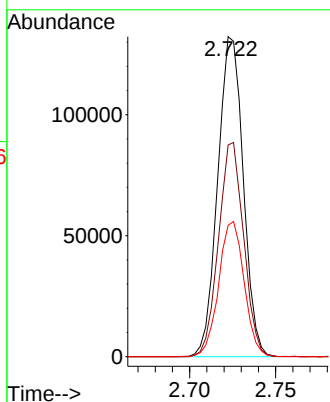
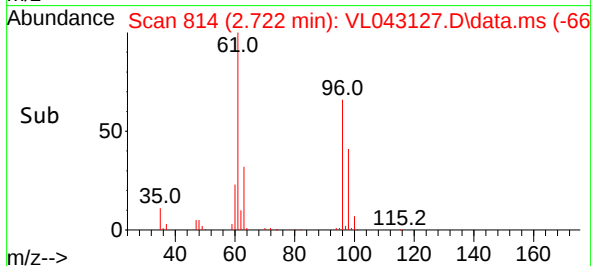
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01



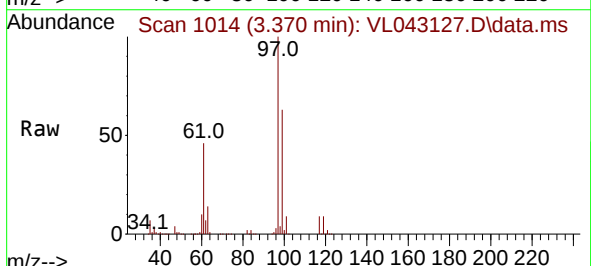
Tgt Ion: 61 Resp: 136578
 Ion Ratio Lower Upper
 61 100
 96 66.2 51.0 76.6
 98 41.0 33.5 50.3

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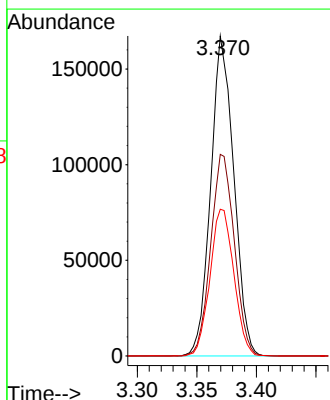
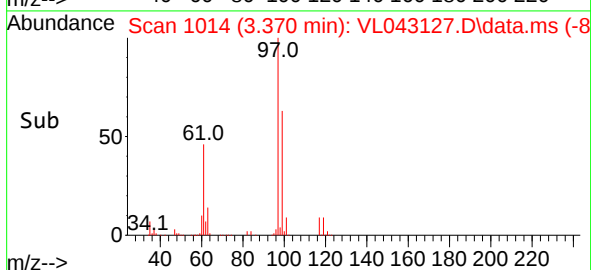
Reviewed By :Semsettin Yesilyurt 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025

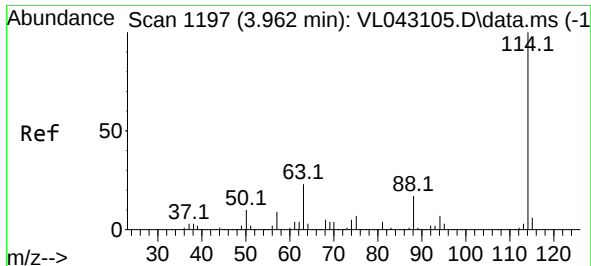


#32
 1,1,1-Trichloroethane
 Concen: 10.669 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. -0.003 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18



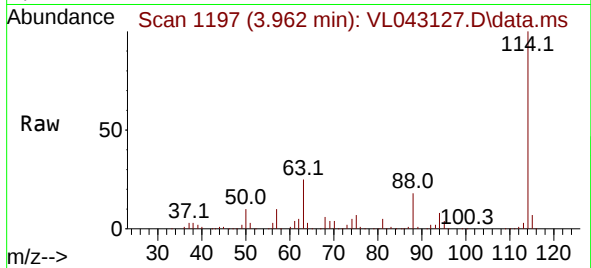
Tgt Ion: 97 Resp: 225410
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.3 76.9
 61 47.4 38.4 57.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

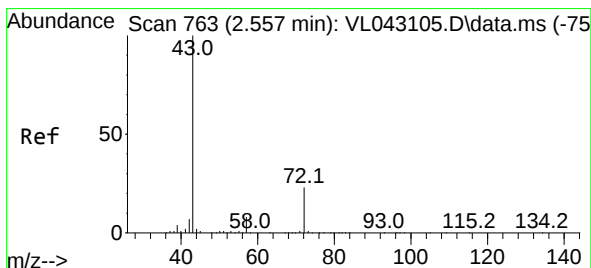
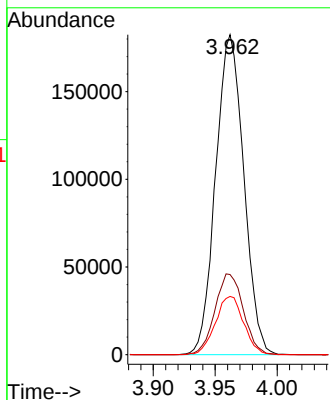
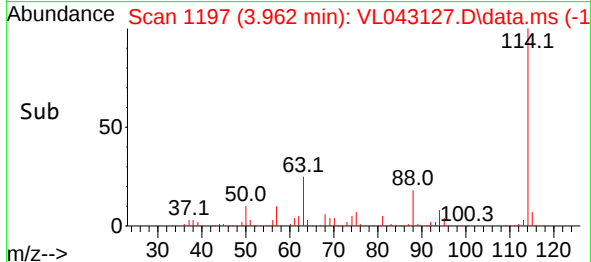
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01



Tgt Ion:114 Resp: 288948
Ion Ratio Lower Upper
114 100
63 25.5 19.3 28.9
88 18.3 13.9 20.9

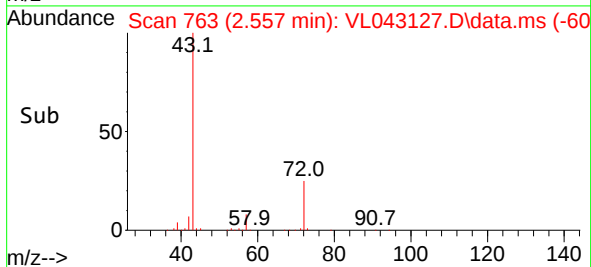
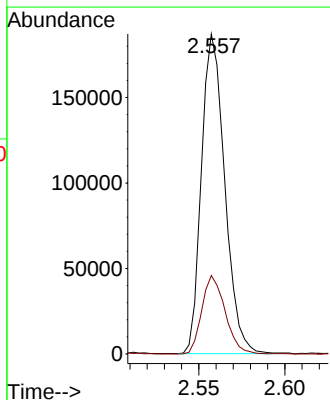
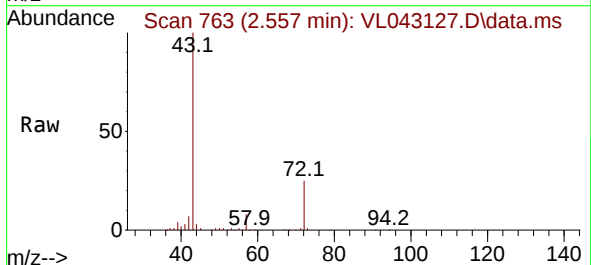
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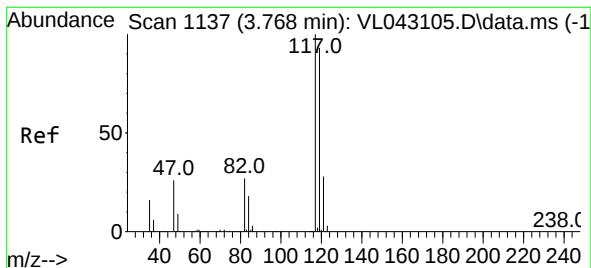
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#34
2-Butanone
Concen: 9.052 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 43 Resp: 175824
Ion Ratio Lower Upper
43 100
72 24.5 18.4 27.6





#35

Carbon Tetrachloride

Concen: 11.136 ppbv

RT: 3.768 min Scan# 1137

Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tgt Ion:117 Resp: 23134

Ion Ratio Lower Upper

117 100

119 92.6 74.1 111.1

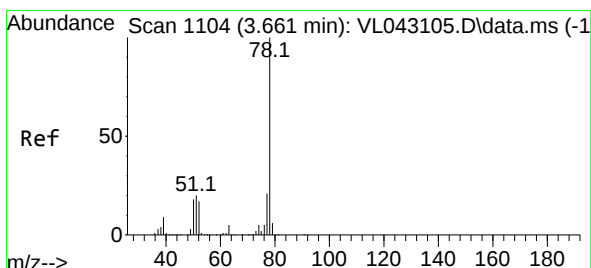
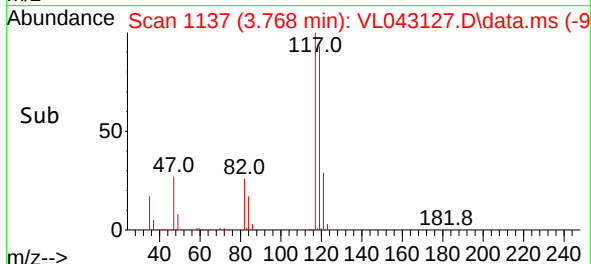
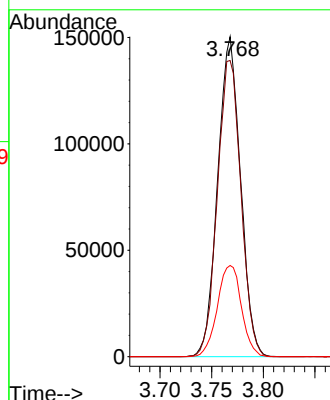
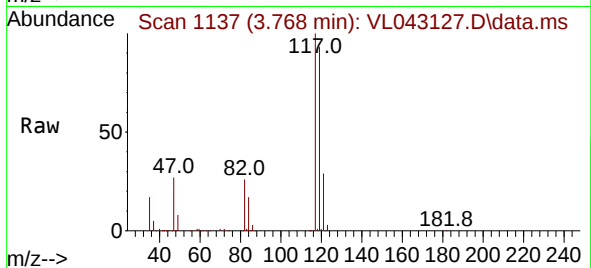
121 28.5 22.2 33.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#36

Benzene

Concen: 9.451 ppbv

RT: 3.661 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

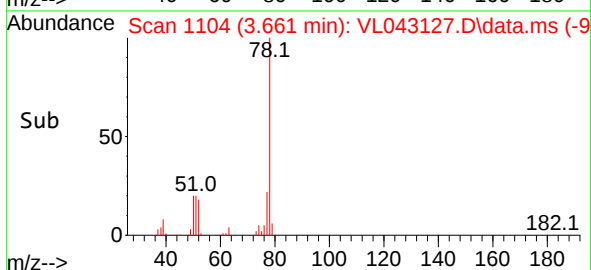
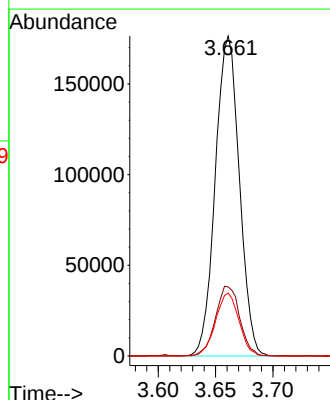
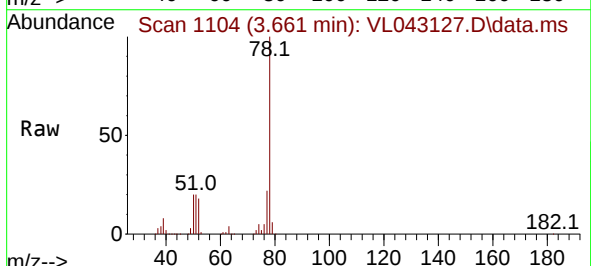
Tgt Ion: 78 Resp: 257206

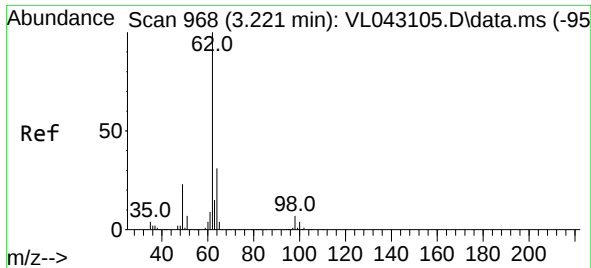
Ion Ratio Lower Upper

78 100

77 21.6 17.0 25.6

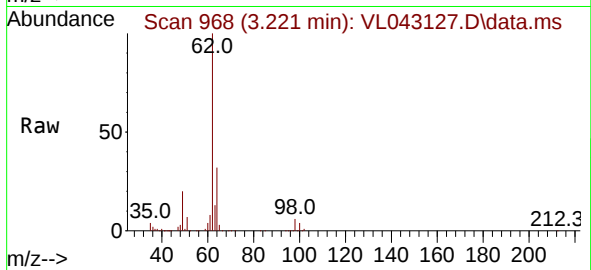
50 19.7 14.6 22.0





#37
1,2-Dichloroethane
Concen: 10.977 ppbv
RT: 3.221 min Scan# 968
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

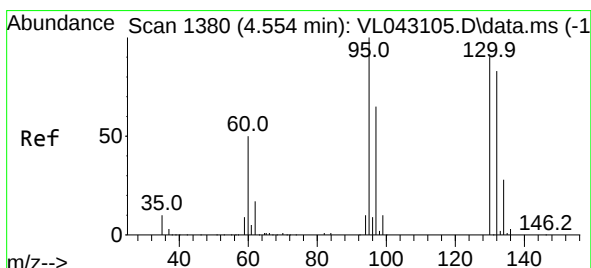
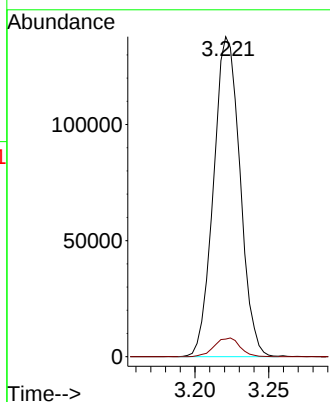
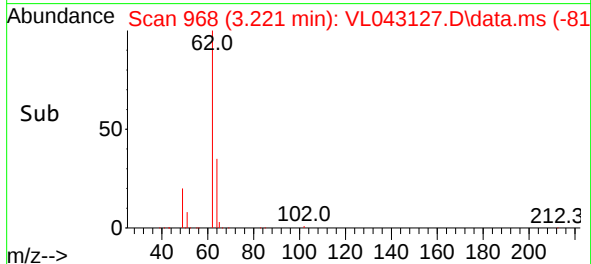
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01



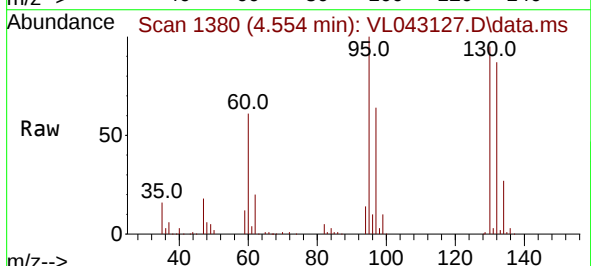
Tgt Ion: 62 Resp: 172085
Ion Ratio Lower Upper
62 100
98 5.7 5.8 8.6

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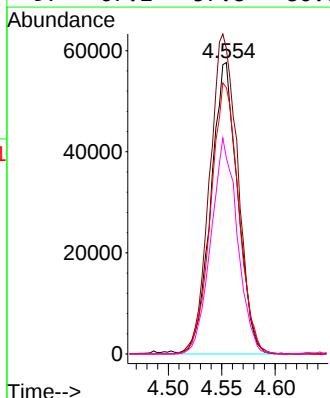
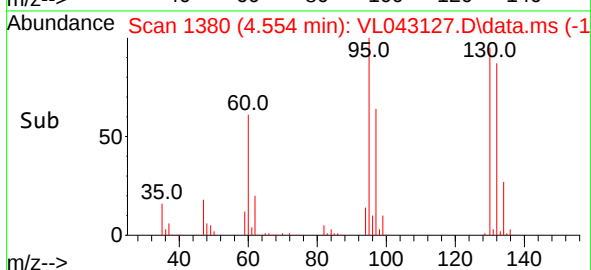
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

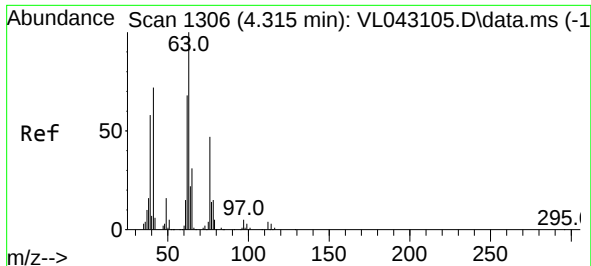


#38
Trichloroethene
Concen: 8.818 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18



Tgt Ion:130 Resp: 100221
Ion Ratio Lower Upper
130 100
95 104.7 88.6 133.0
132 91.4 73.4 110.0
97 67.2 57.8 86.6





#39

1,2-Dichloropropane

Concen: 9.143 ppbv

RT: 4.318 min Scan# 1306

Delta R.T. 0.003 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Instrument :

MSVOA_L

ClientSampleId :

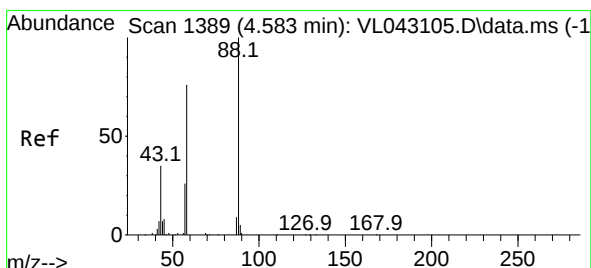
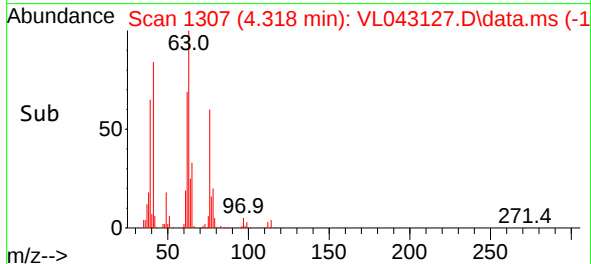
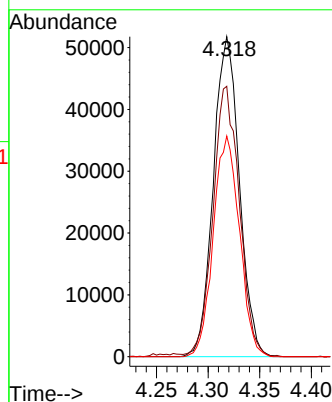
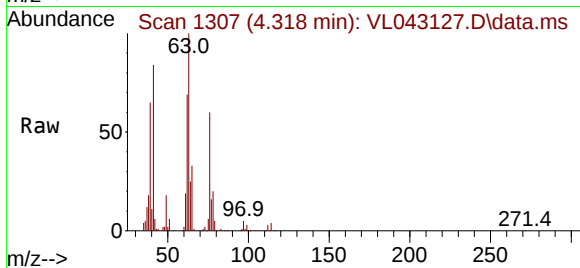
VL1016ABS01

Tgt Ion: 63	Resp: 90964
Ion Ratio	Lower Upper
63 100	
41 84.3	58.0 87.0
62 69.0	54.7 82.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#40

1,4-Dioxane

Concen: 8.843 ppbv

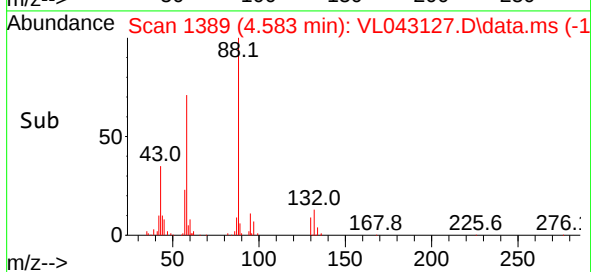
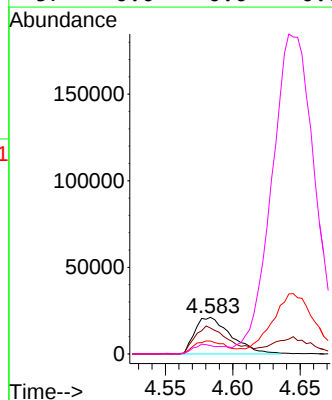
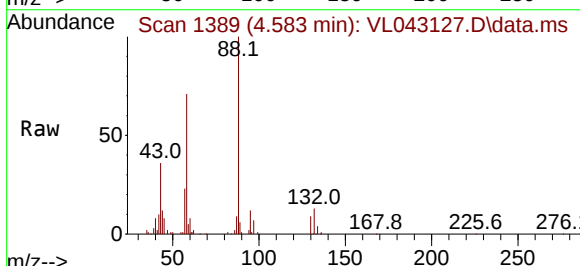
RT: 4.583 min Scan# 1389

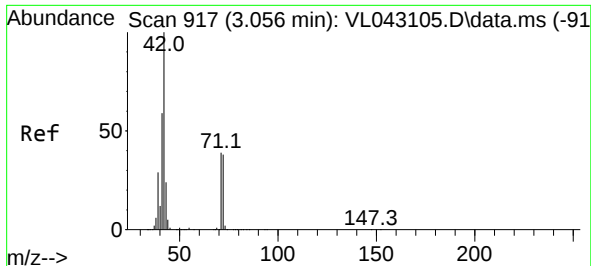
Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

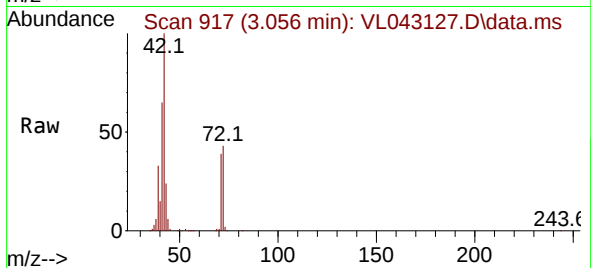
Tgt	Ion: 88	Resp:	39371
Ion	Ratio	Lower	Upper
88	100		
58	73.2	61.1	91.7
43	35.5	24.0	36.0
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 8.046 ppbv
RT: 3.056 min Scan# 917
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

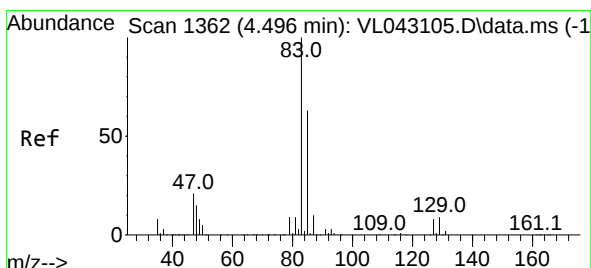
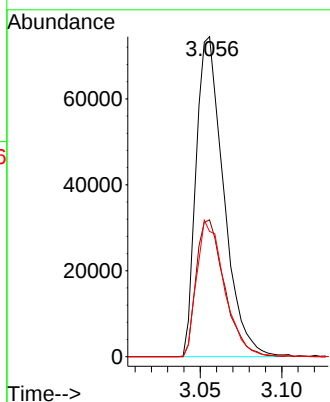
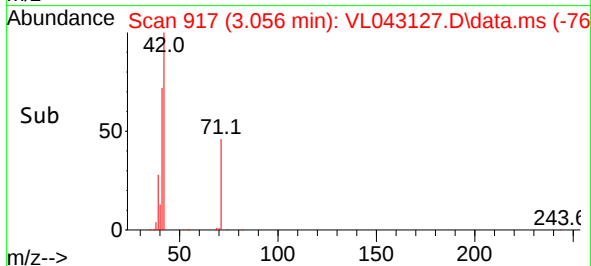
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01



Tgt Ion: 42 Resp: 87412
Ion Ratio Lower Upper
42 100
72 44.0 31.3 46.9
71 43.0 30.4 45.6

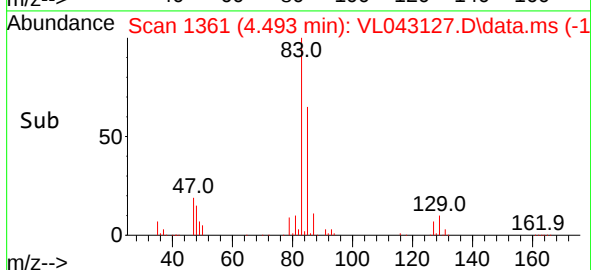
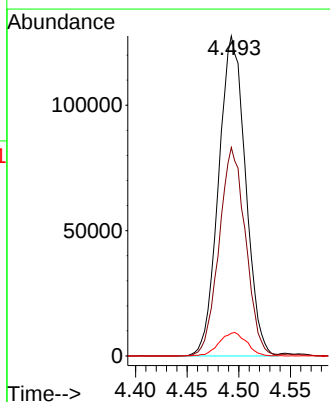
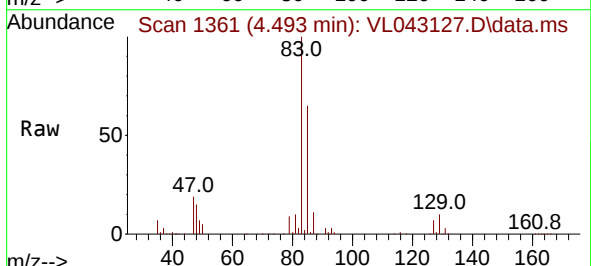
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#42
Bromodichloromethane
Concen: 10.668 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

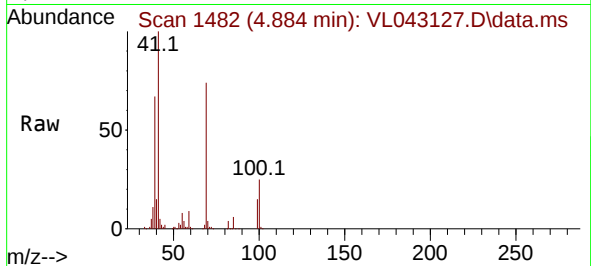
Tgt Ion: 83 Resp: 231475
Ion Ratio Lower Upper
83 100
85 65.1 50.6 75.8
127 7.1 6.3 9.5





#43
Methyl Methacrylate
Concen: 9.198 ppbv
RT: 4.884 min Scan# 1481
Delta R.T. 0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

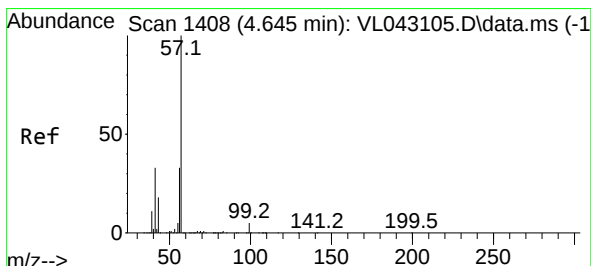
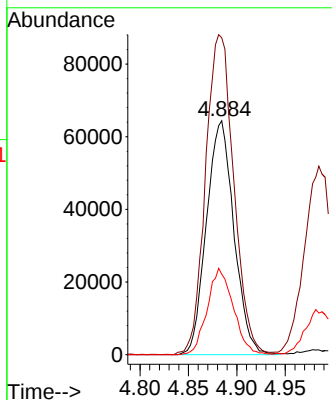
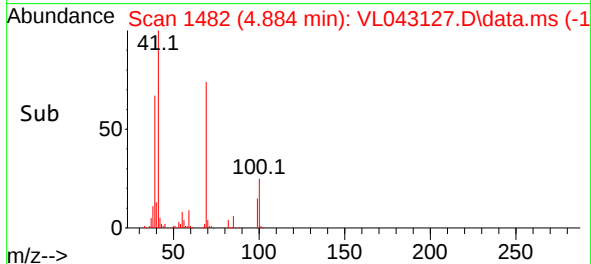
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01



Tgt Ion: 69 Resp: 12714
Ion Ratio Lower Upper
69 100
41 140.4 120.5 180.7
100 35.0 29.0 43.4

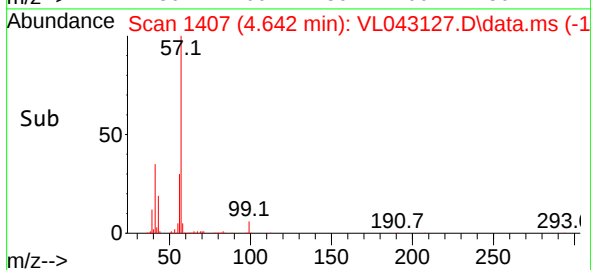
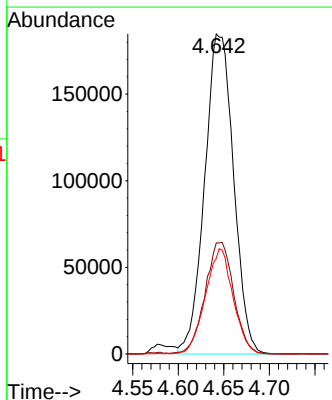
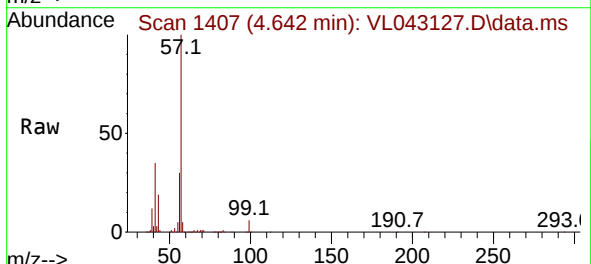
Manual Integrations
APPROVED

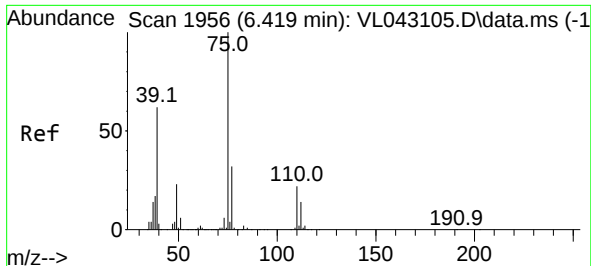
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#44
2,2,4-Trimethylpentane
Concen: 8.882 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. -0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 57 Resp: 407826
Ion Ratio Lower Upper
57 100
41 34.9 26.3 39.5
56 31.5 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 9.689 ppbv

RT: 6.419 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tgt Ion: 75 Resp: 134398

Ion Ratio Lower Upper

75 100

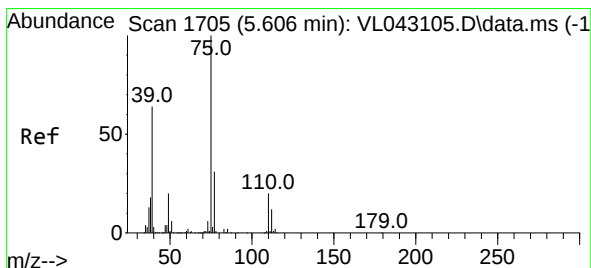
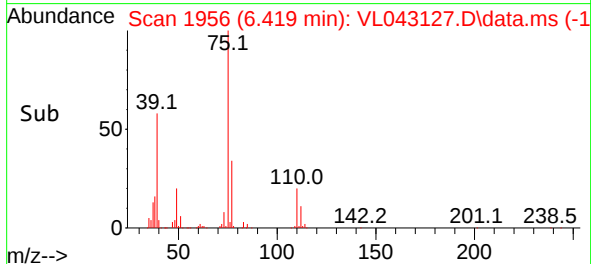
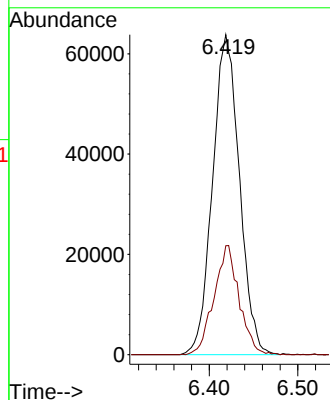
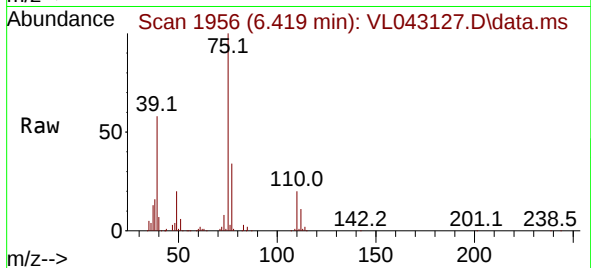
77 34.1 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#46

cis-1,3-Dichloropropene

Concen: 9.547 ppbv

RT: 5.606 min Scan# 1705

Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

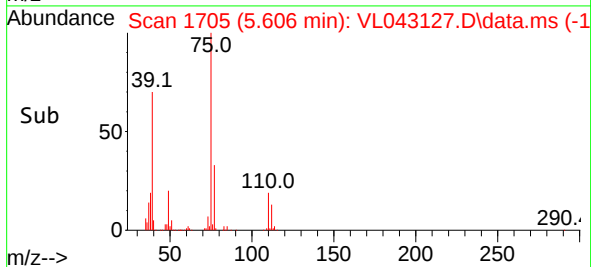
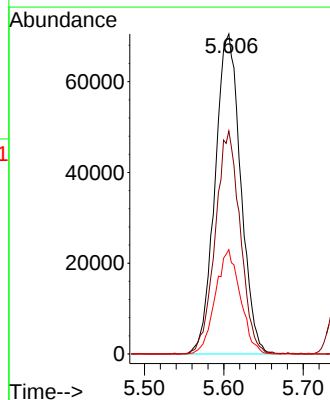
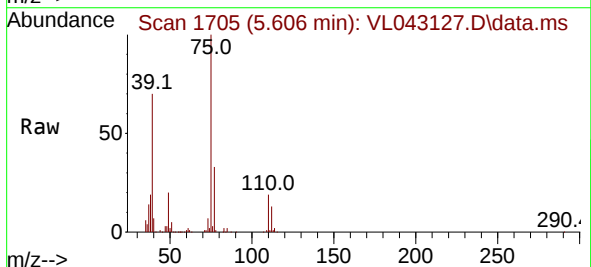
Tgt Ion: 75 Resp: 158197

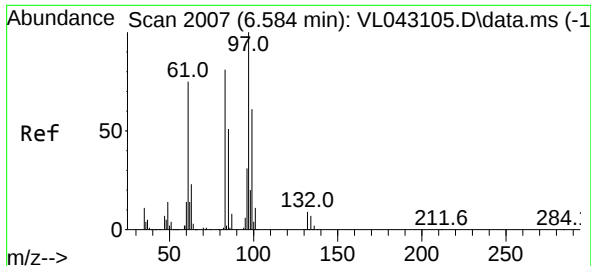
Ion Ratio Lower Upper

75 100

39 69.7 51.0 76.6

77 32.6 25.0 37.4





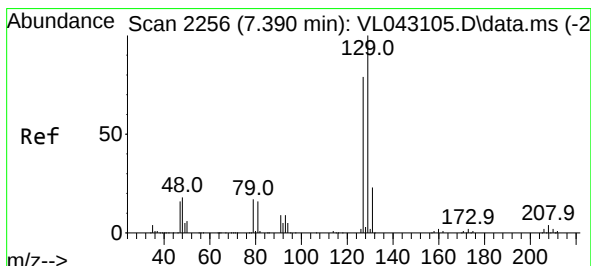
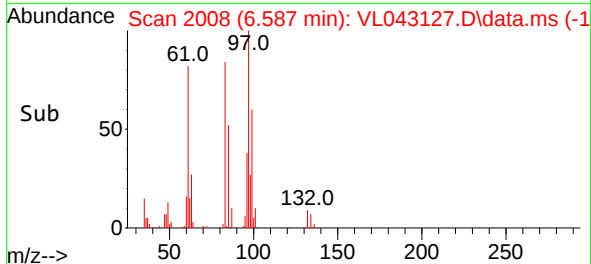
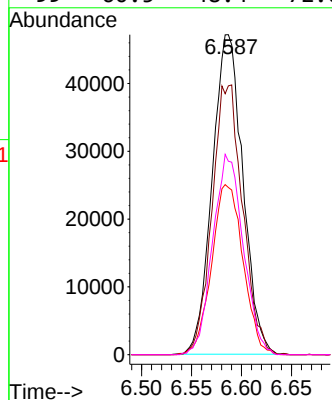
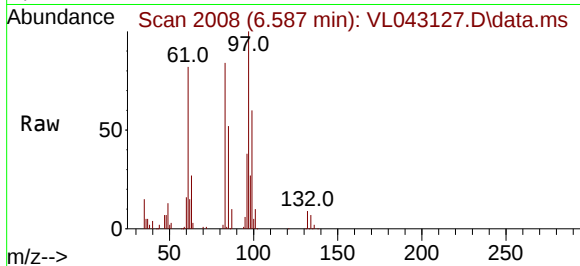
#47
1,1,2-Trichloroethane
Concen: 9.336 ppbv
RT: 6.587 min Scan# 2007
Delta R.T. 0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tgt Ion: 97 Resp: 100302
Ion Ratio Lower Upper
97 100
83 83.9 64.6 96.8
85 52.3 40.6 60.8
99 60.5 48.4 72.6

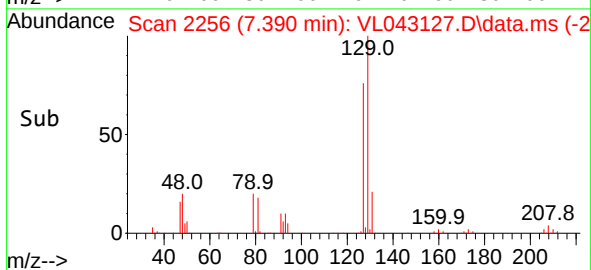
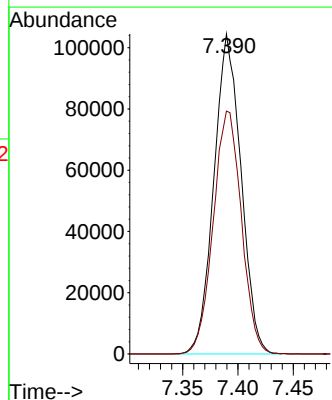
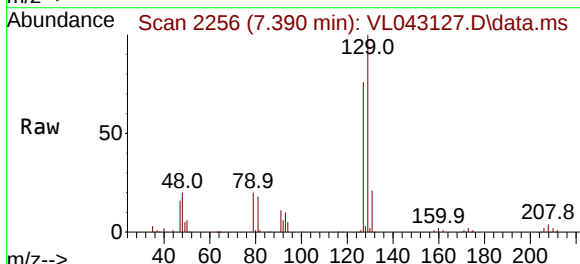
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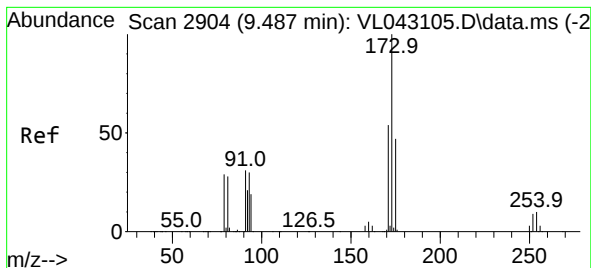
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#48
Dibromochloromethane
Concen: 9.928 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion:129 Resp: 178353
Ion Ratio Lower Upper
129 100
127 78.7 39.3 117.9





#49

Bromoform

Concen: 9.879 ppbv

RT: 9.484 min Scan# 2904

Delta R.T. -0.003 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Instrument :

MSVOA_L

ClientSampleId :

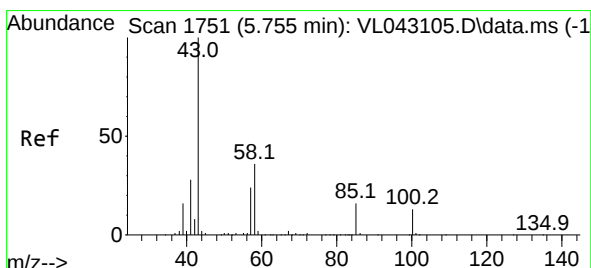
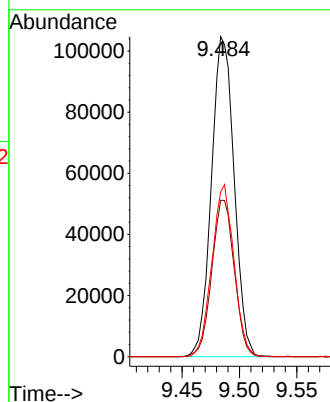
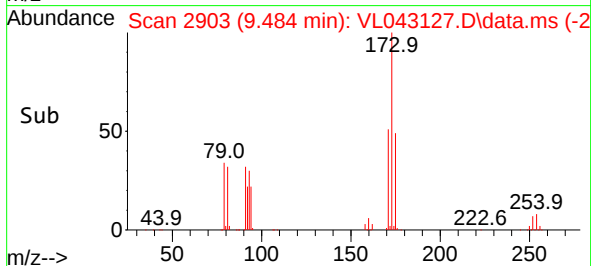
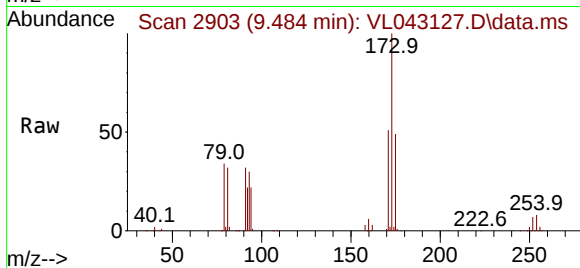
VL1016ABS01

Tgt Ion:173 Resp: 144240
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.8 58.2
 171 52.2 41.7 62.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025



#50

4-Methyl-2-Pentanone

Concen: 8.412 ppbv

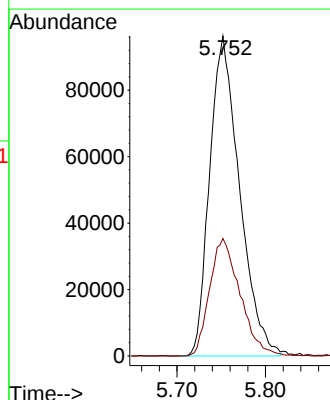
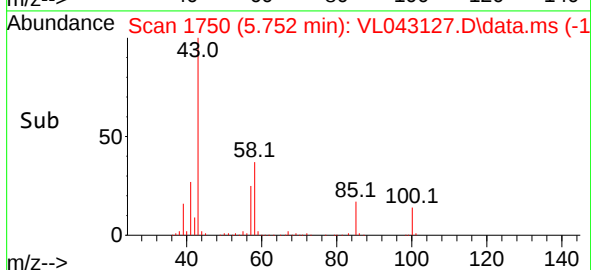
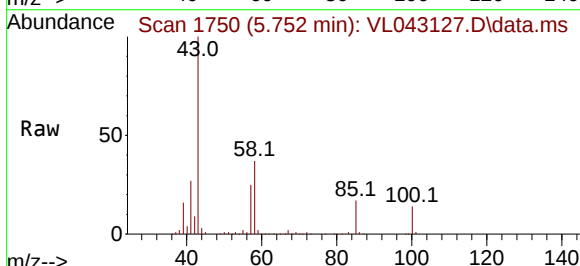
RT: 5.752 min Scan# 1750

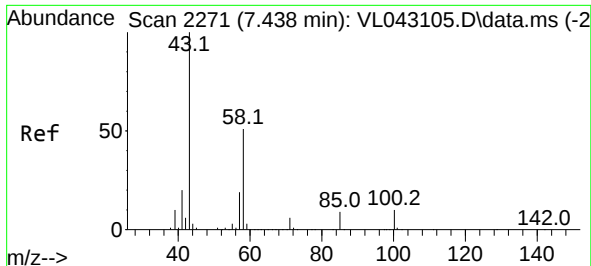
Delta R.T. -0.003 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Tgt Ion: 43 Resp: 225487
 Ion Ratio Lower Upper
 43 100
 58 37.5 29.1 43.7





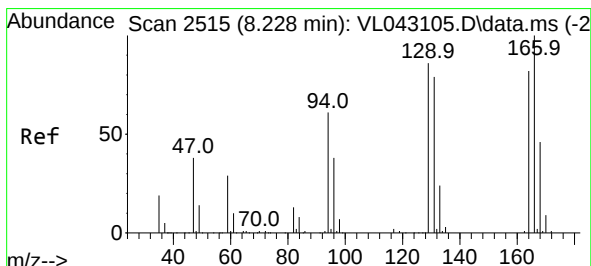
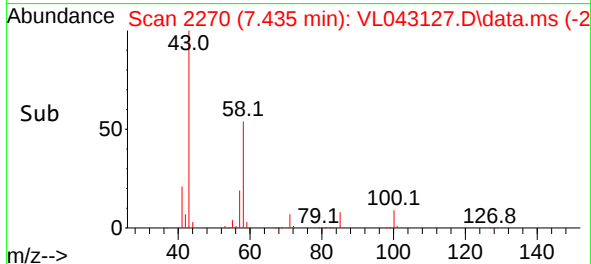
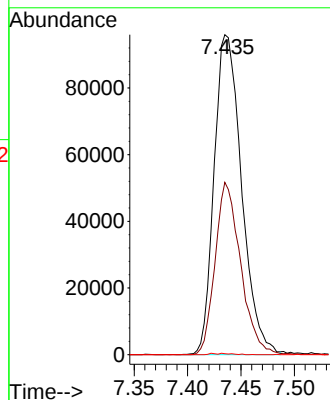
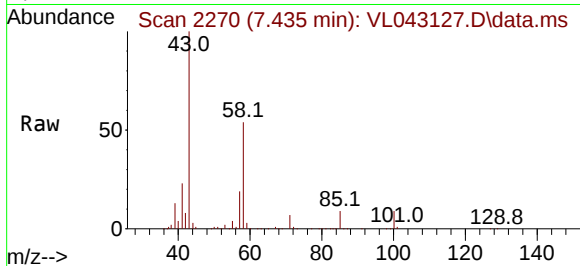
#51
2-Hexanone
Concen: 8.542 ppbv
RT: 7.435 min Scan# 2174
Delta R.T. -0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tgt Ion: 43 Resp: 171740
Ion Ratio Lower Upper
43 100
58 50.1 40.4 60.6
98 0.3 0.1 0.1

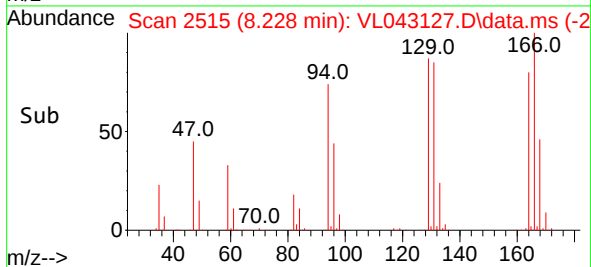
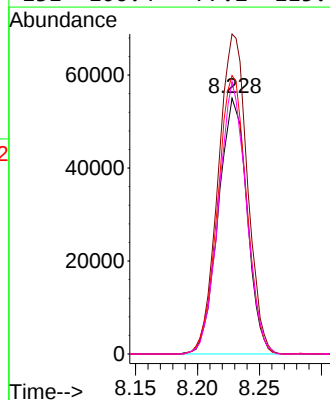
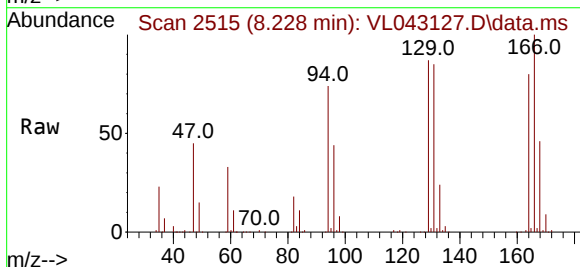
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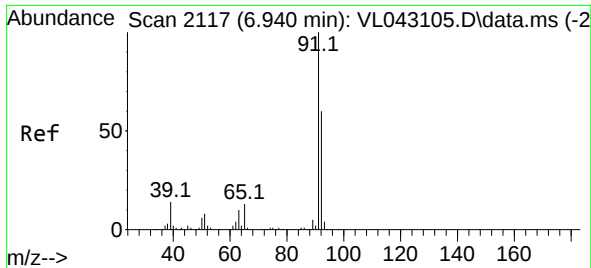
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#52
Tetrachloroethene
Concen: 8.996 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion:164 Resp: 88288
Ion Ratio Lower Upper
164 100
166 125.1 97.6 146.4
129 108.9 84.5 126.7
131 106.4 77.2 115.8





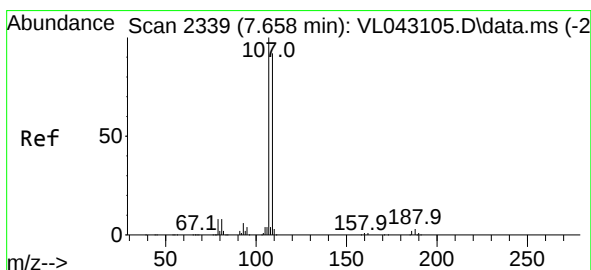
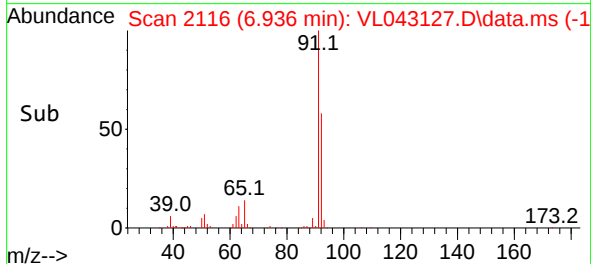
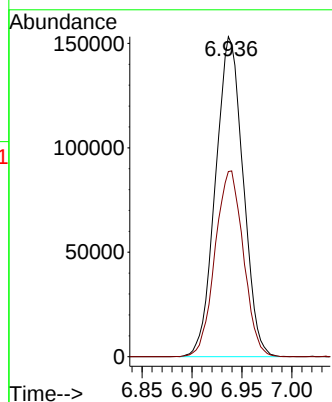
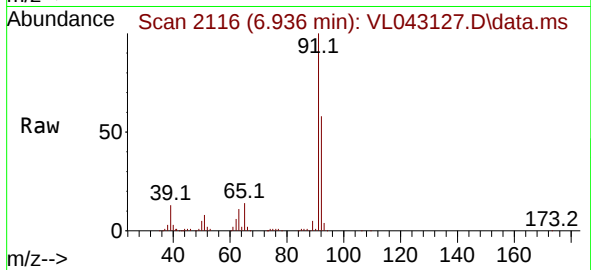
#53
Toluene
Concen: 9.121 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. -0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tgt Ion: 91 Resp: 294609
Ion Ratio Lower Upper
91 100
92 59.5 48.8 73.2

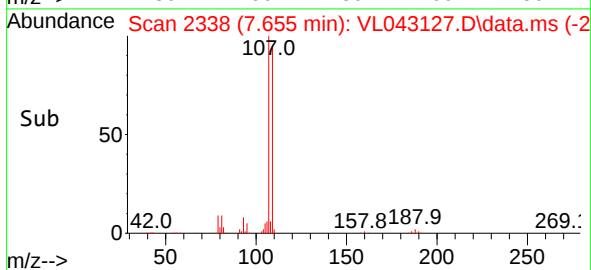
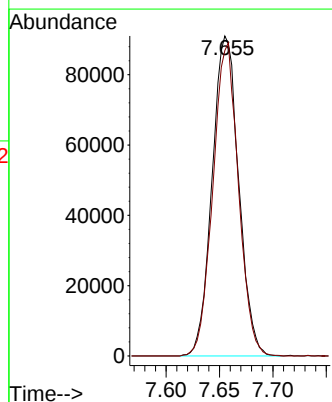
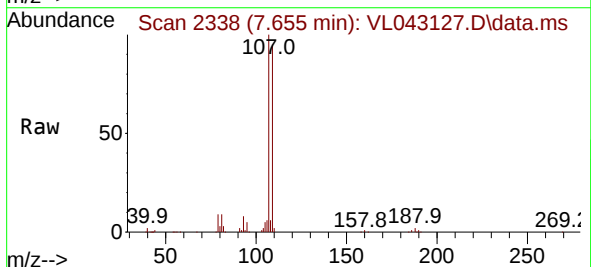
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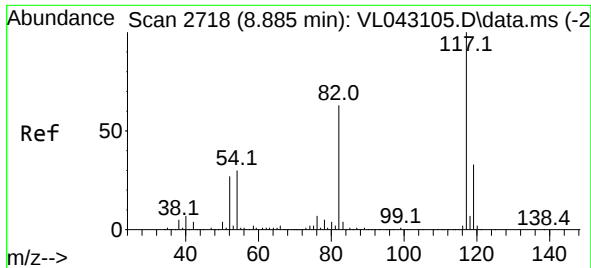
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#54
1,2-Dibromoethane
Concen: 9.345 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

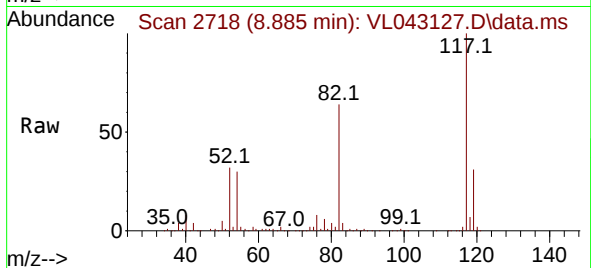
Tgt Ion:107 Resp: 157255
Ion Ratio Lower Upper
107 100
109 95.4 73.4 110.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

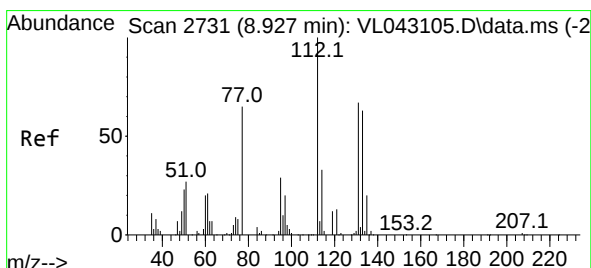
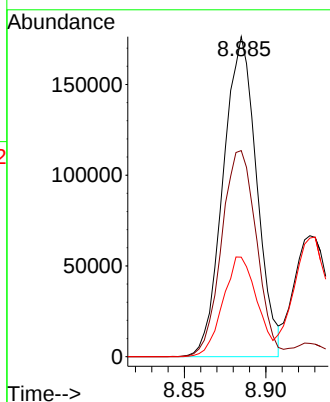
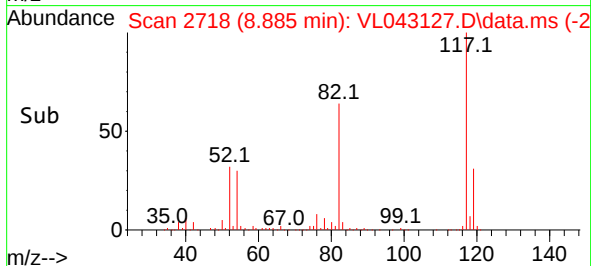
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01



Tgt Ion:117 Resp: 252100
Ion Ratio Lower Upper
117 100
82 71.3 53.8 80.8
119 32.5 25.4 38.0

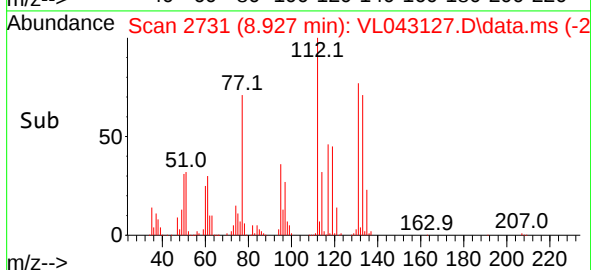
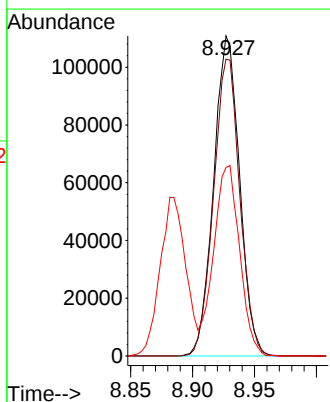
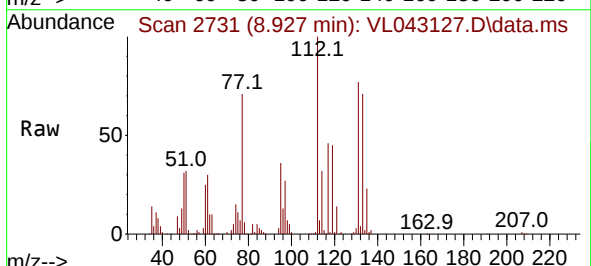
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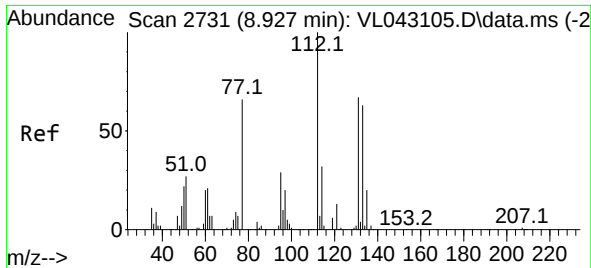
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 10.151 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion:131 Resp: 161319
Ion Ratio Lower Upper
131 100
133 94.4 75.7 113.5
119 60.0 50.6 76.0





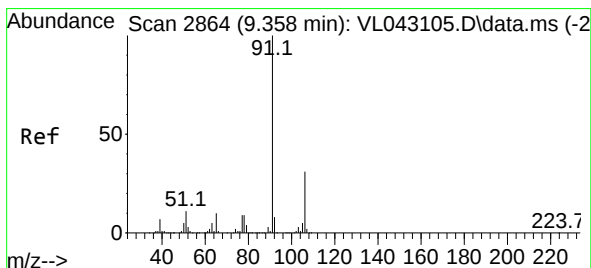
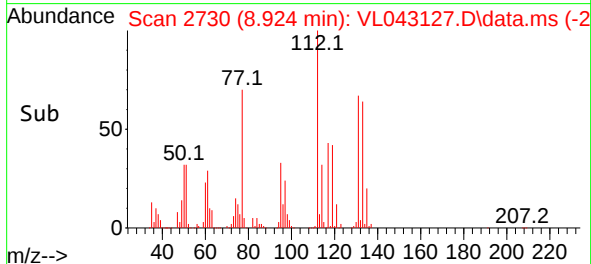
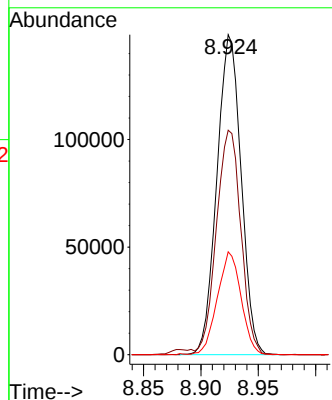
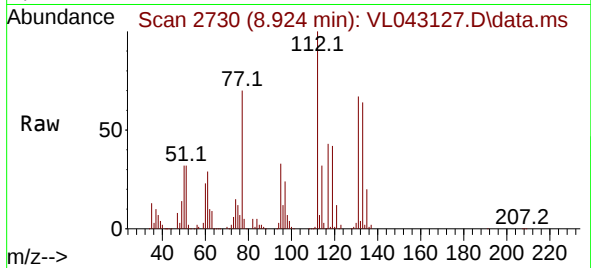
#57
Chlorobenzene
Concen: 9.270 ppbv
RT: 8.924 min Scan# 21863
Delta R.T. -0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tgt Ion:112 Resp: 21863
Ion Ratio Lower Upper
112 100
77 70.1 53.3 79.9
114 32.1 29.3 35.8

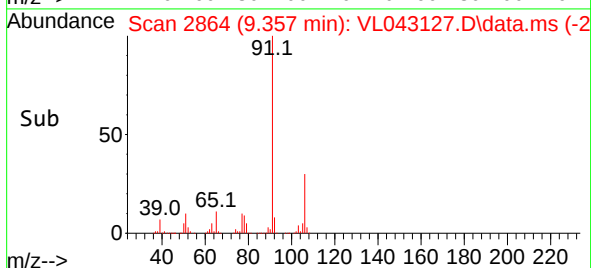
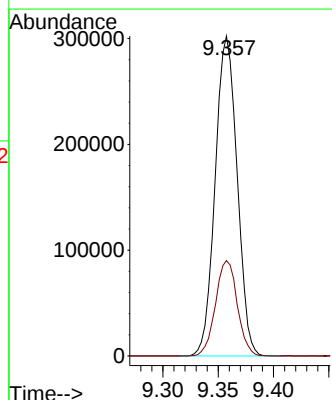
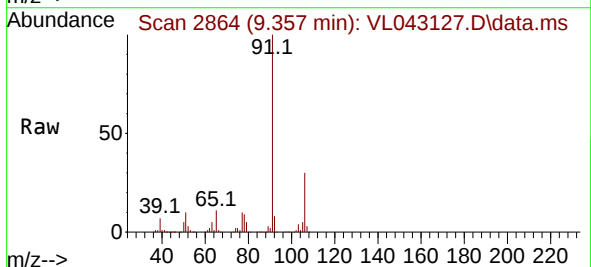
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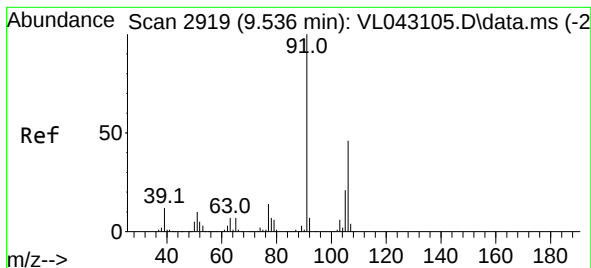
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#58
Ethyl Benzene
Concen: 9.632 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 91 Resp: 416736
Ion Ratio Lower Upper
91 100
106 29.8 24.8 37.2





#59

m/p-Xylene

Concen: 19.574 ppbv m

RT: 9.555 min Scan# 2919

Delta R.T. 0.019 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tgt Ion: 91 Resp: 675504

Ion Ratio Lower Upper

91 100

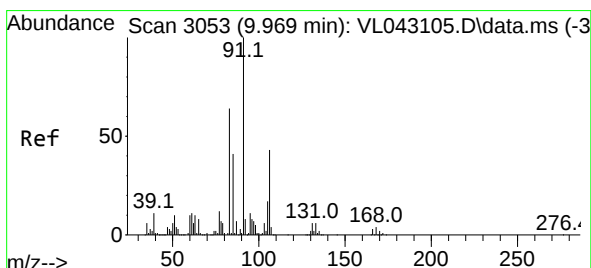
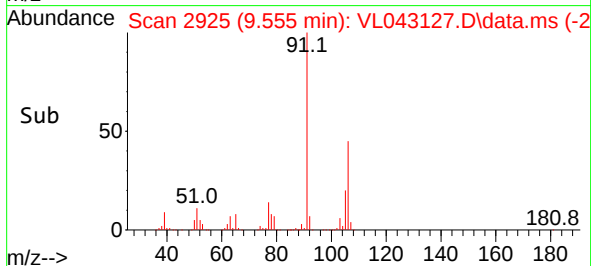
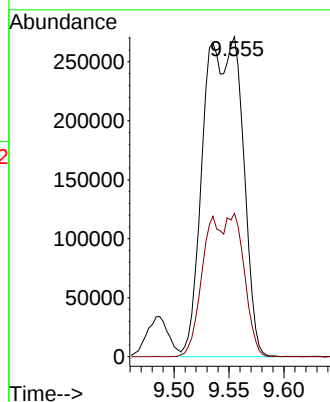
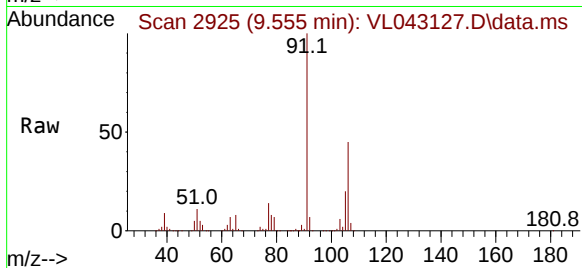
106 0.0 38.0 57.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#60

o-Xylene

Concen: 9.763 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. -0.003 min

Lab File: VL043127.D

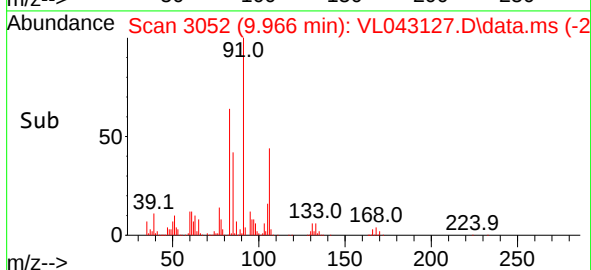
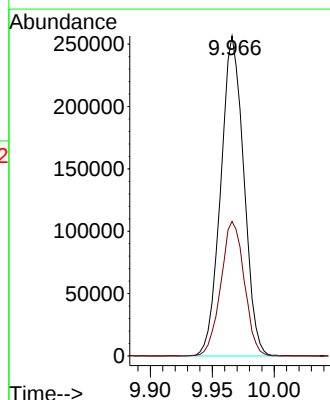
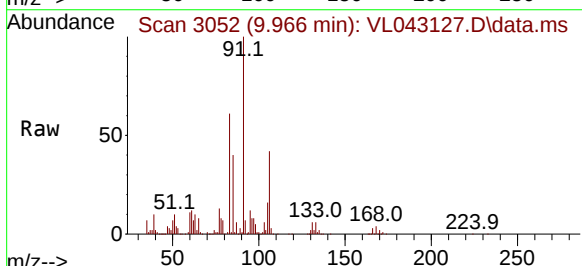
Acq: 16 Oct 2025 11:18

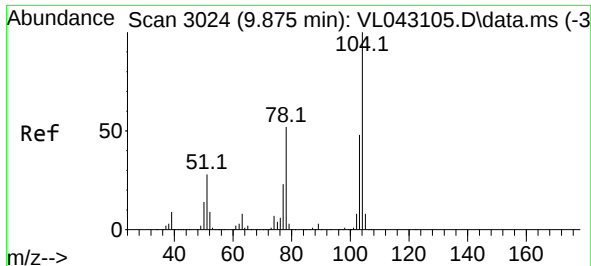
Tgt Ion: 91 Resp: 332756

Ion Ratio Lower Upper

91 100

106 42.7 21.9 65.8





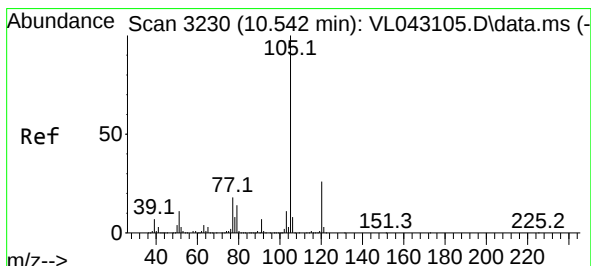
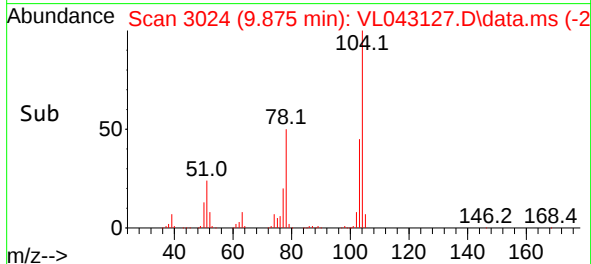
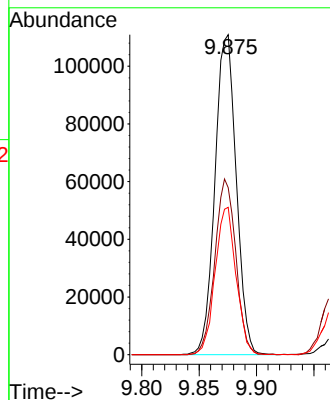
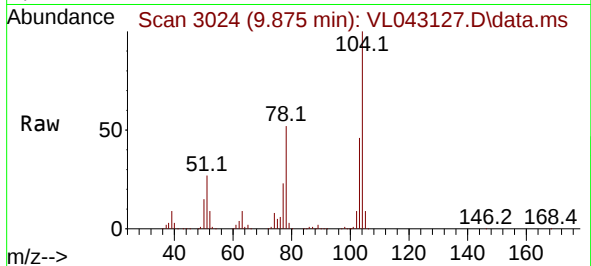
#61
Styrene
Concen: 9.325 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tgt Ion:104 Resp: 14348
Ion Ratio Lower Upper
104 100
78 54.0 40.2 60.2
103 45.4 36.9 55.3

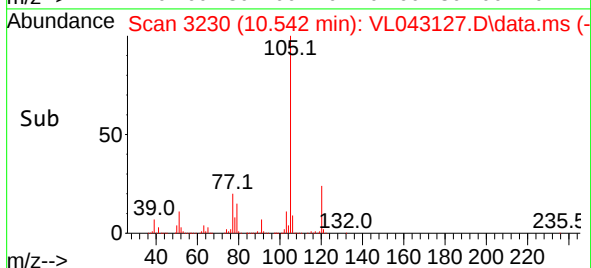
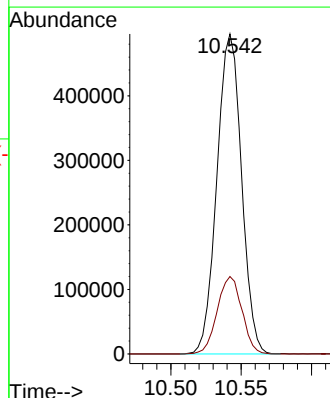
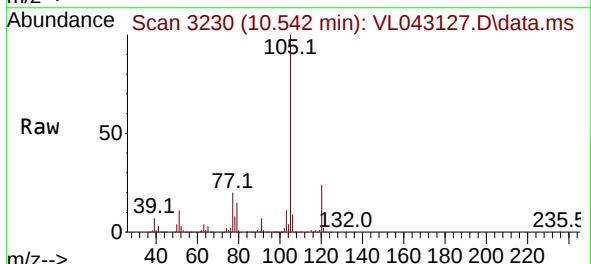
Manual Integrations
APPROVED

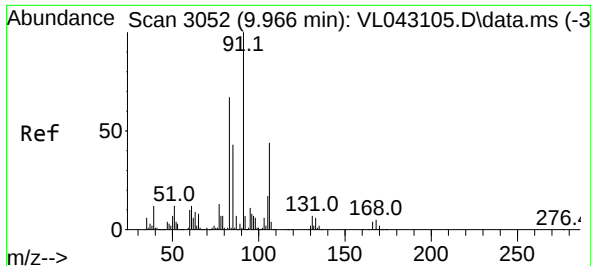
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#62
Isopropylbenzene
Concen: 9.797 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion:105 Resp: 603364
Ion Ratio Lower Upper
105 100
120 24.2 20.2 30.4





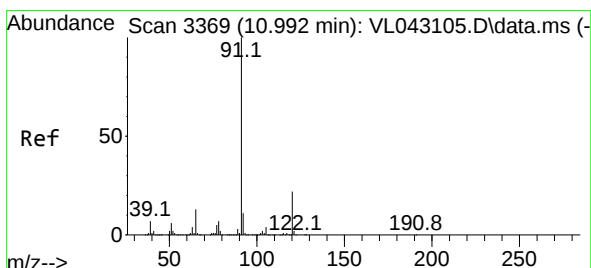
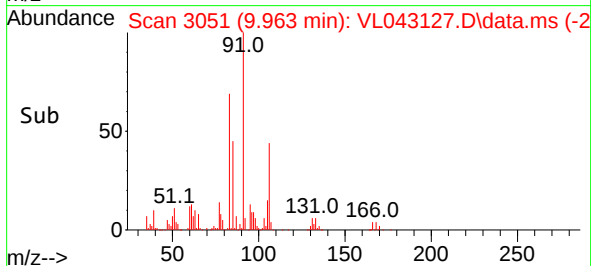
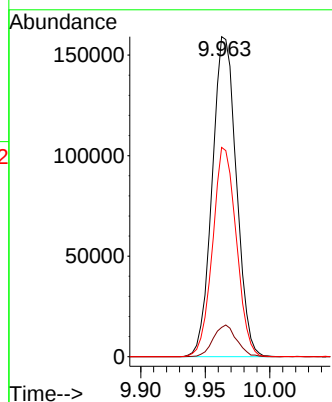
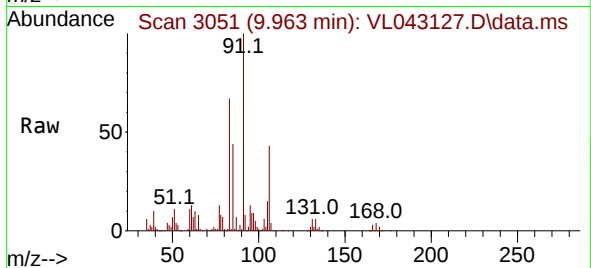
#63
1,1,2,2-Tetrachloroethane
Concen: 9.077 ppbv
RT: 9.963 min Scan# 3052
Delta R.T. -0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Instrument : MSVOA_L
ClientSampleId : VL1016ABS01

Tgt Ion: 83 Resp: 20715
Ion Ratio Lower Upper
83 100
131 9.5 4.8 14.3
85 64.2 32.0 96.0

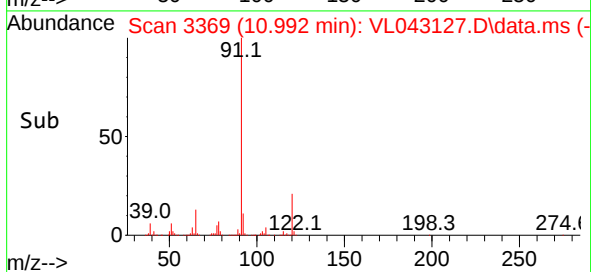
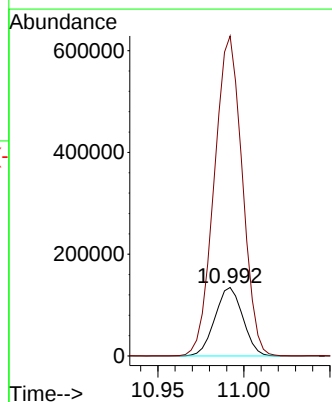
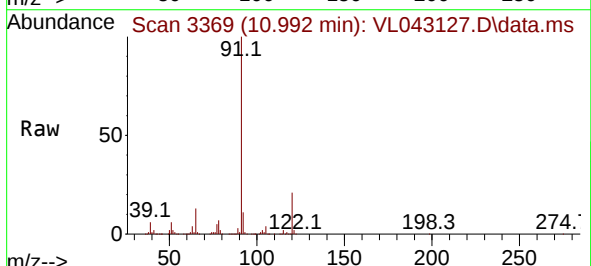
Manual Integrations
APPROVED

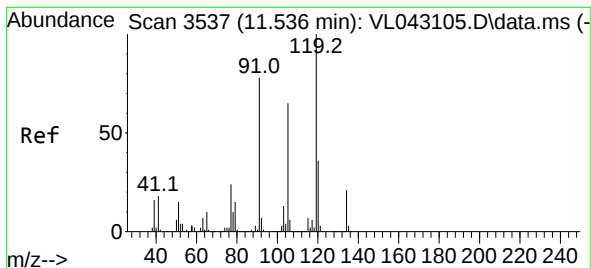
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#64
n-propylbenzene
Concen: 9.299 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

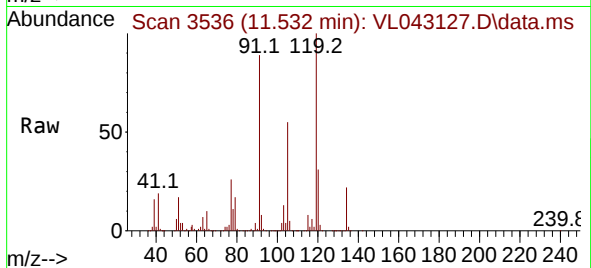
Tgt Ion:120 Resp: 151633
Ion Ratio Lower Upper
120 100
91 470.5 361.6 542.4





#65
tert-Butylbenzene
Concen: 9.141 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

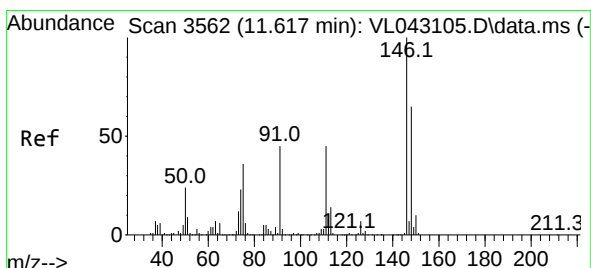
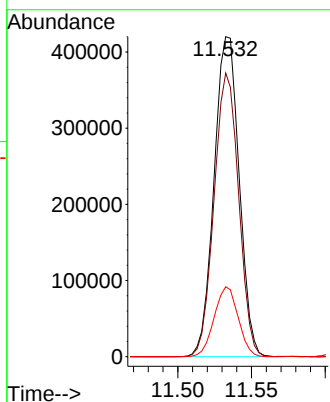
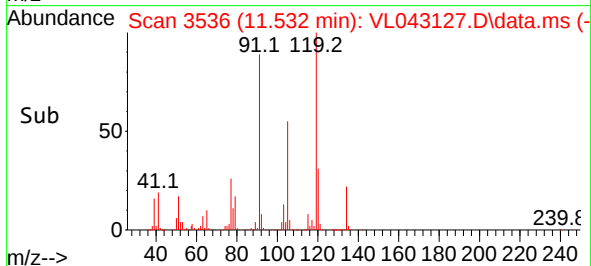
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01



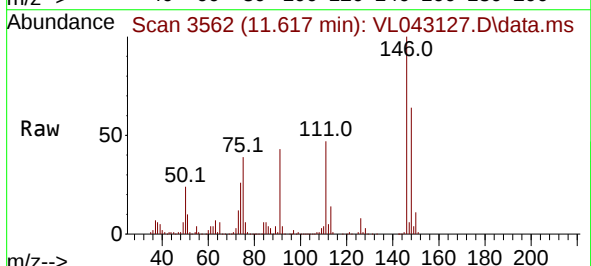
Tgt Ion:119 Resp: 497174
Ion Ratio Lower Upper
119 100
91 86.8 63.4 95.0
134 20.9 17.3 25.9

Manual Integrations
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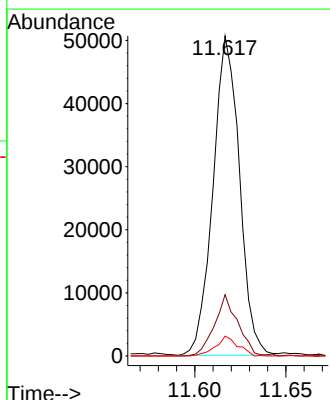
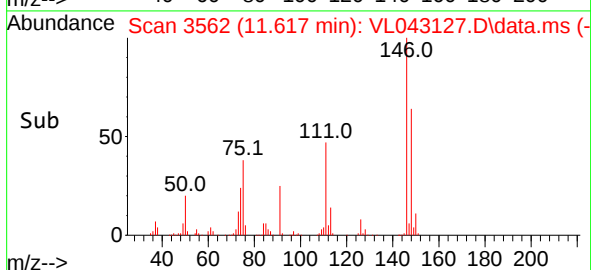
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

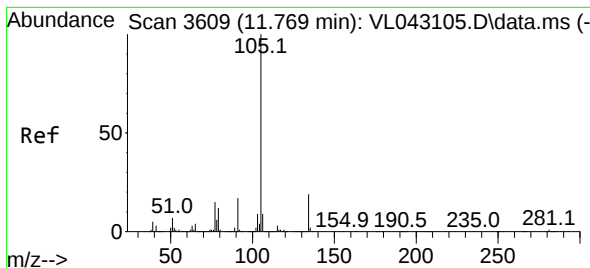


#66
Benzyl Chloride
Concen: 8.424 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18



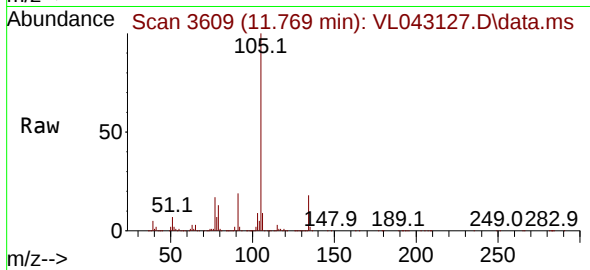
Tgt Ion: 91 Resp: 50989
Ion Ratio Lower Upper
91 100
126 17.1 14.6 22.0
128 5.2 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 9.411 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. -0.000 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

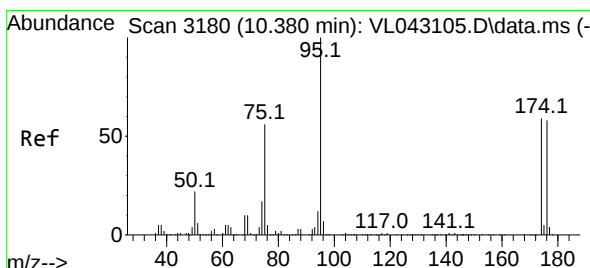
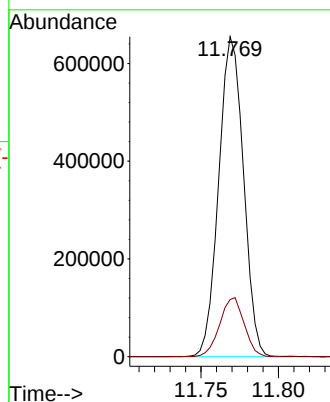
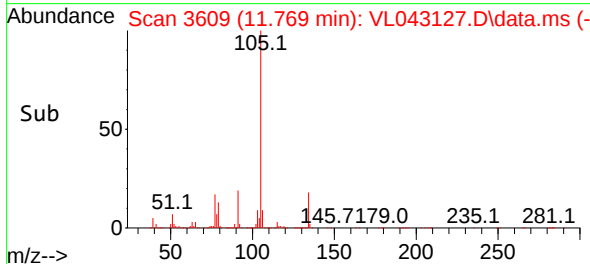
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01



Tgt Ion:105 Resp: 72643
 Ion Ratio Lower Upper
 105 100
 134 18.3 15.5 23.3

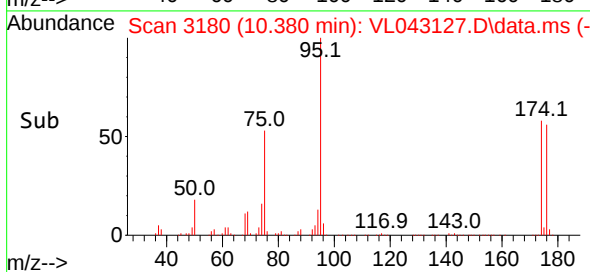
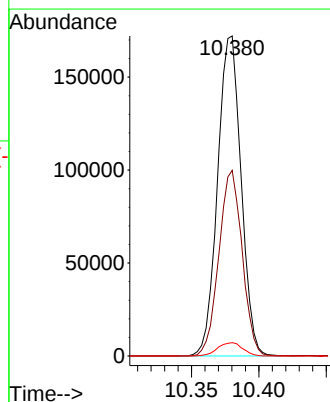
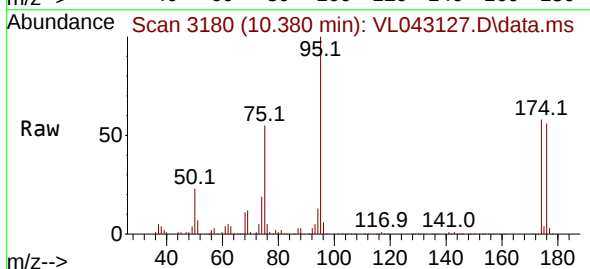
Manual Integrations
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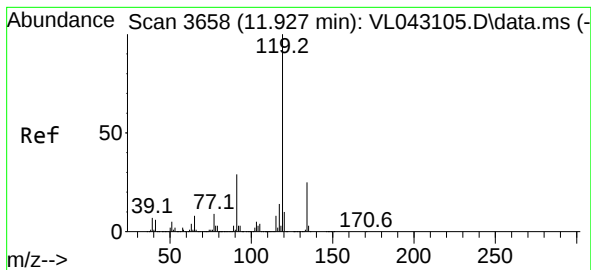
Reviewed By :Semsettin Yesilyurt 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.665 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. -0.000 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

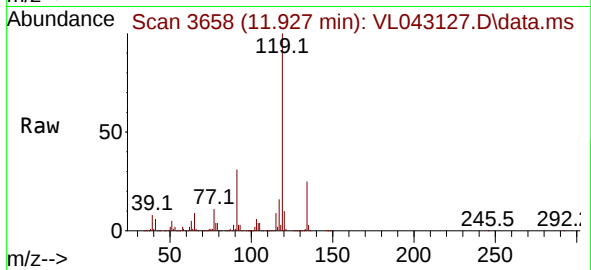
Tgt Ion: 95 Resp: 208995
 Ion Ratio Lower Upper
 95 100
 174 57.4 48.3 72.5
 175 4.4 3.8 5.8





#69
p-Isopropyltoluene
Concen: 9.265 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

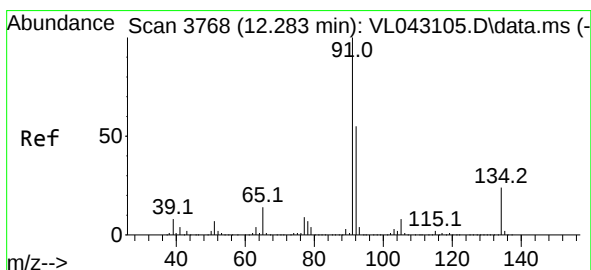
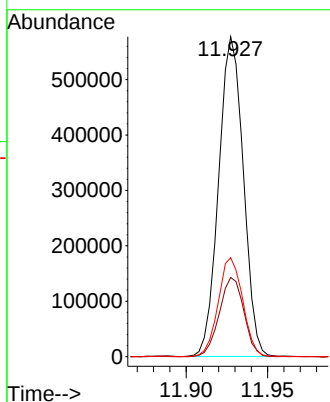
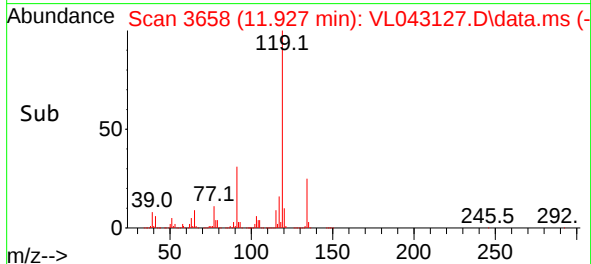
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01



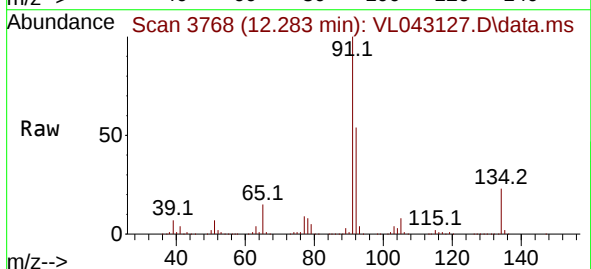
Tgt Ion: 119 Resp: 607694
Ion Ratio Lower Upper
119 100
134 24.8 20.3 30.5
91 30.8 22.6 33.8

Manual Integrations
APPROVED

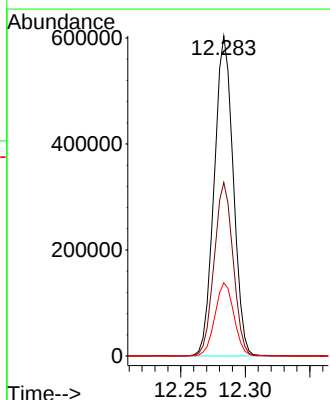
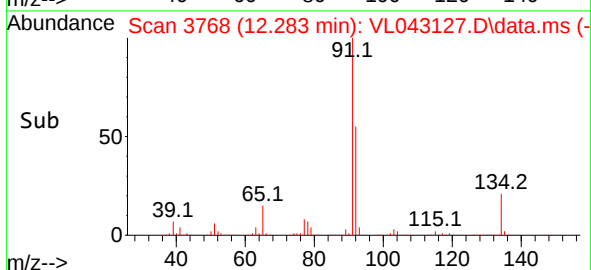
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

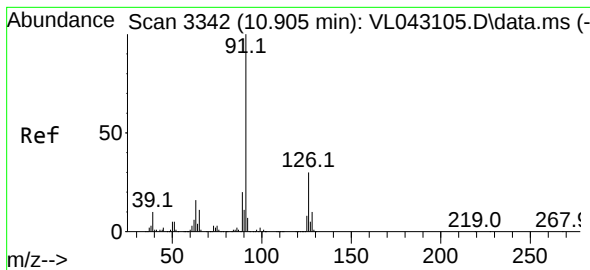


#70
n-Butylbenzene
Concen: 9.560 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18



Tgt Ion: 91 Resp: 617901
Ion Ratio Lower Upper
91 100
92 53.9 44.5 66.7
134 22.8 19.3 28.9





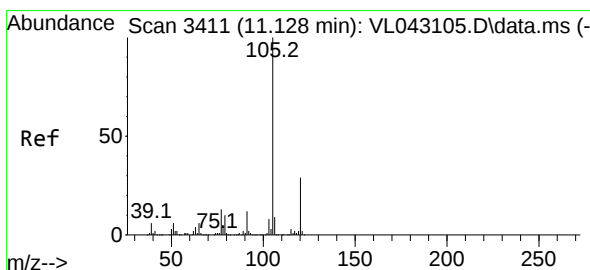
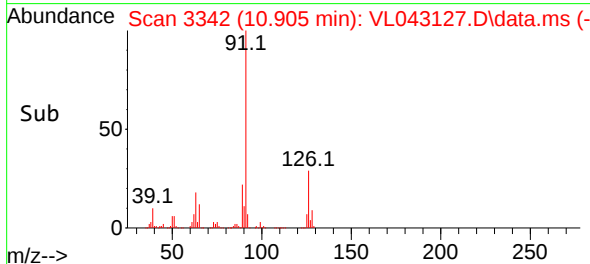
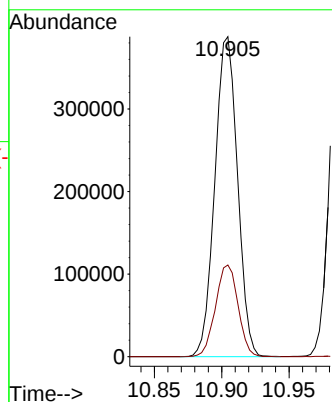
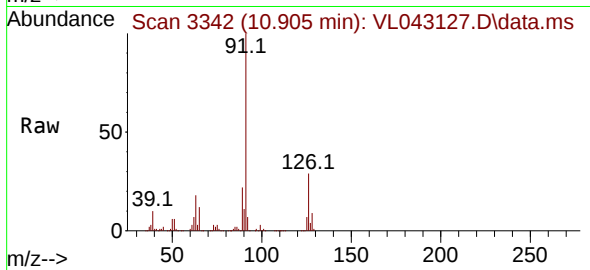
#71
2-Chlorotoluene
Concen: 9.658 ppbv
RT: 10.905 min Scan# 3342
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tgt Ion: 91 Resp: 45366
Ion Ratio Lower Upper
91 100
126 28.5 12.0 48.0

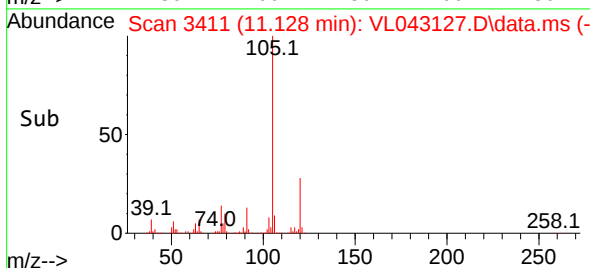
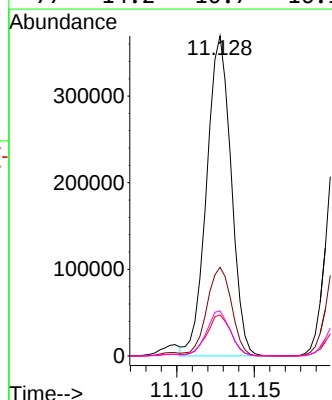
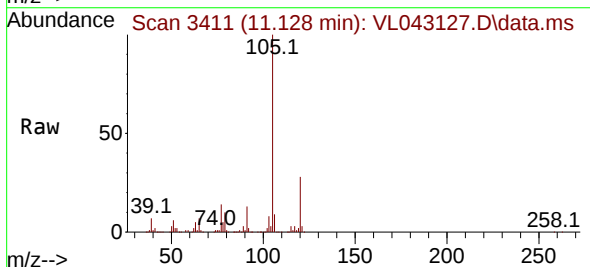
Manual Integrations
APPROVED

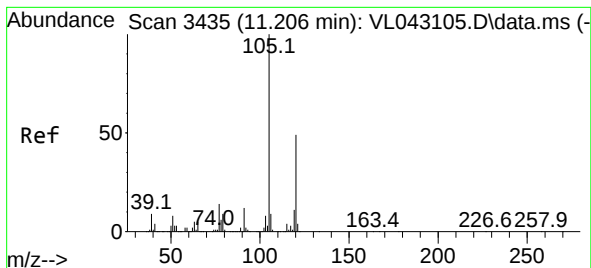
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#72
4-Ethyltoluene
Concen: 9.657 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion:105 Resp: 404726
Ion Ratio Lower Upper
105 100
120 29.0 24.2 36.4
91 13.4 10.0 15.0
77 14.2 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 9.859 ppbv

RT: 11.206 min Scan# 3435

Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tgt Ion:105 Resp: 340778

Ion Ratio Lower Upper

105 100

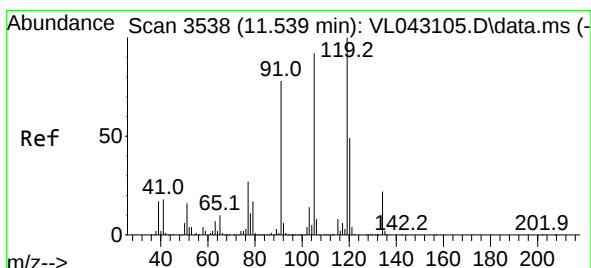
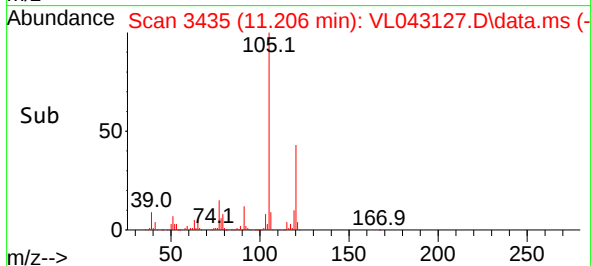
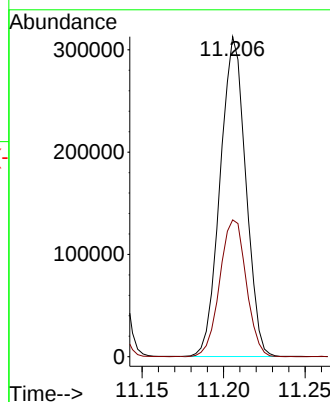
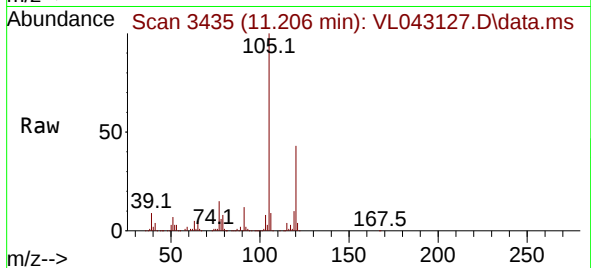
120 42.7 39.0 58.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#74

1,2,4-Trimethylbenzene

Concen: 9.350 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Tgt Ion:105 Resp: 361647

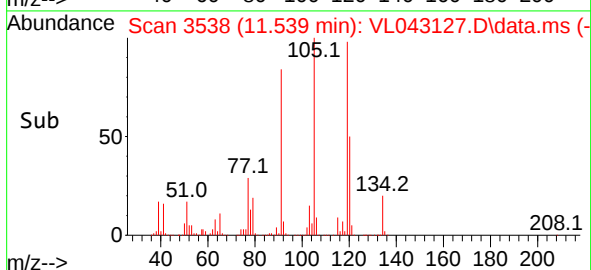
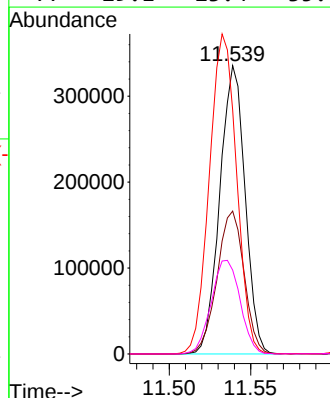
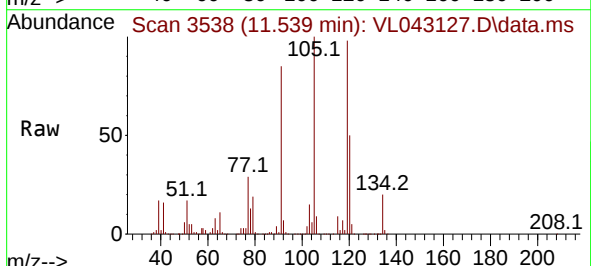
Ion Ratio Lower Upper

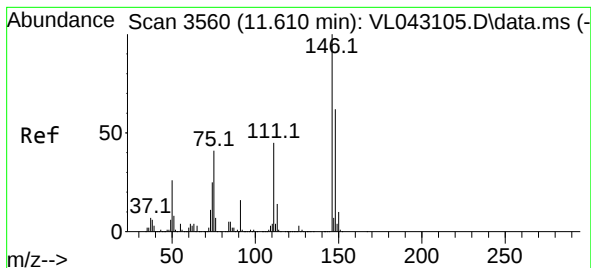
105 100

120 49.5 42.8 64.2

91 84.5 68.3 102.5

77 29.1 23.4 35.0





#75

1,3-Dichlorobenzene

Concen: 9.276 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Instrument :

MSVOA_L

ClientSampleId :

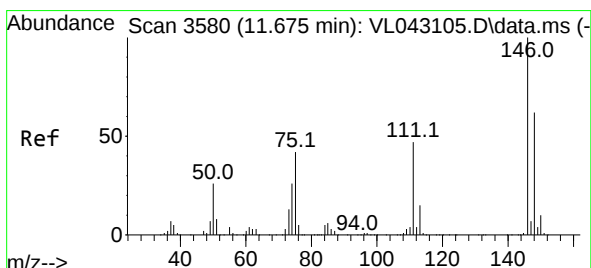
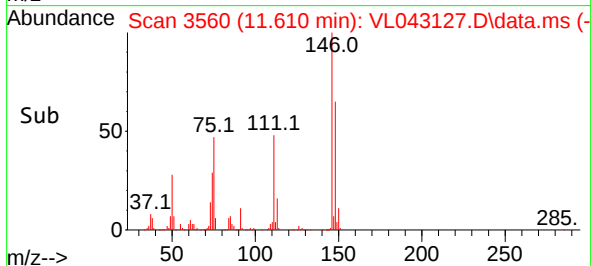
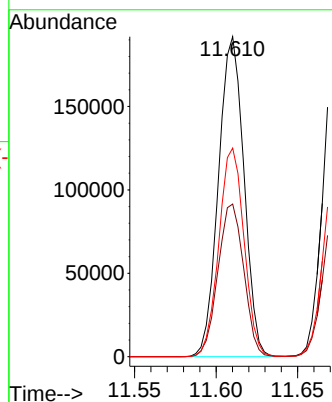
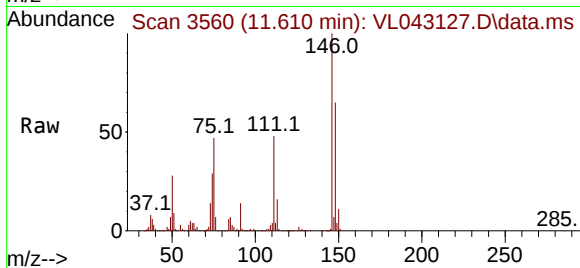
VL1016ABS01

Tgt Ion:146	Resp: 208099
Ion Ratio	Lower Upper
146	100
111	48.3 23.3 69.9
148	64.5 31.6 95.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#76

1,4-Dichlorobenzene

Concen: 9.343 ppbv

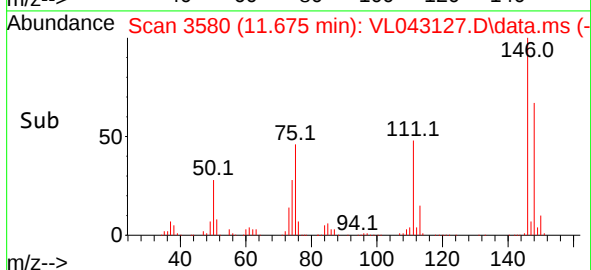
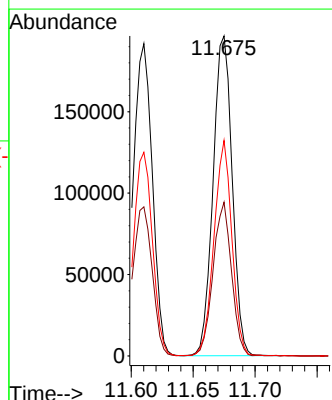
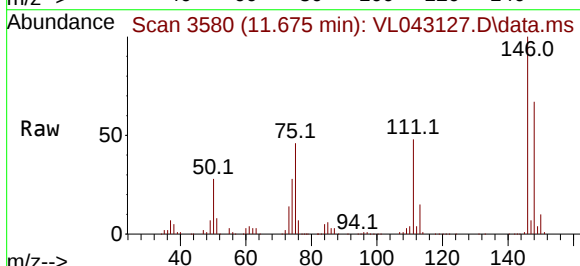
RT: 11.675 min Scan# 3580

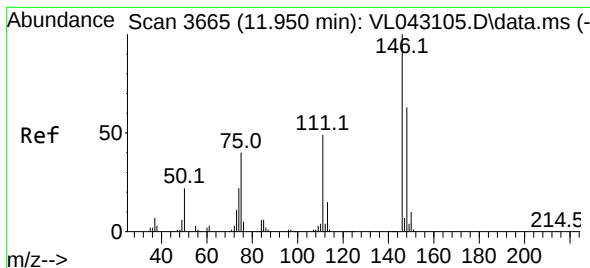
Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Tgt Ion:146	Resp: 211340
Ion Ratio	Lower Upper
146	100
111	46.6 22.4 67.0
148	63.3 31.6 94.7





#77

1,2-Dichlorobenzene

Concen: 9.028 ppbv

RT: 11.950 min Scan# 3665

Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tgt Ion:146 Resp: 195920

Ion Ratio Lower Upper

146 100

111 49.9 24.0 72.0

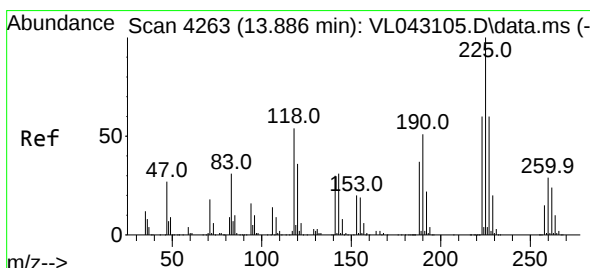
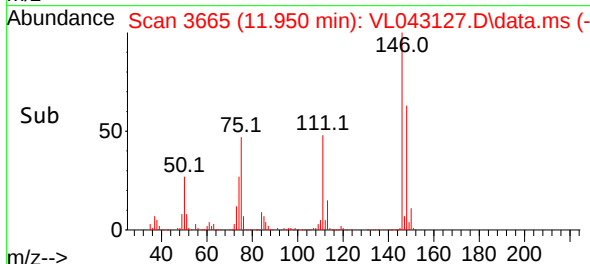
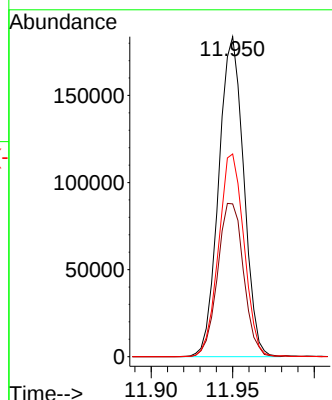
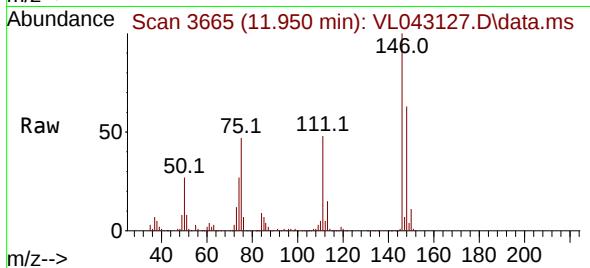
148 64.4 31.1 93.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#78

Hexachloro-1,3-Butadiene

Concen: 8.184 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. -0.003 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

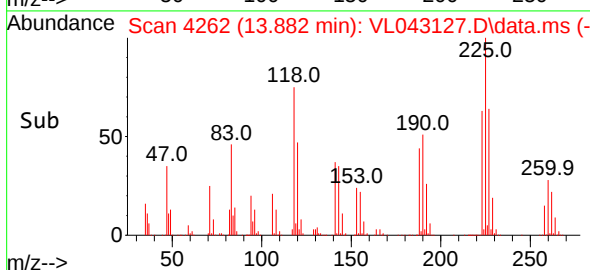
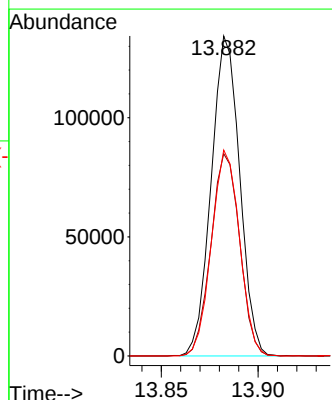
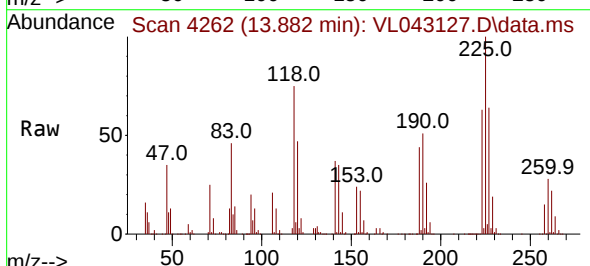
Tgt Ion:225 Resp: 137516

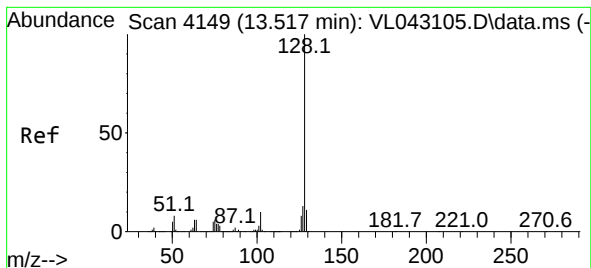
Ion Ratio Lower Upper

225 100

223 63.6 50.2 75.4

227 63.3 49.6 74.4





#79

Naphthalene

Concen: 8.761 ppbv

RT: 13.513 min Scan# 4149

Delta R.T. -0.003 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Instrument :

MSVOA_L

ClientSampleId :

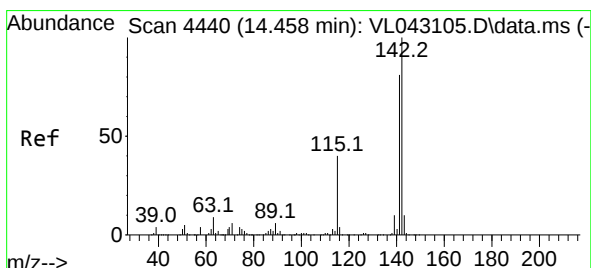
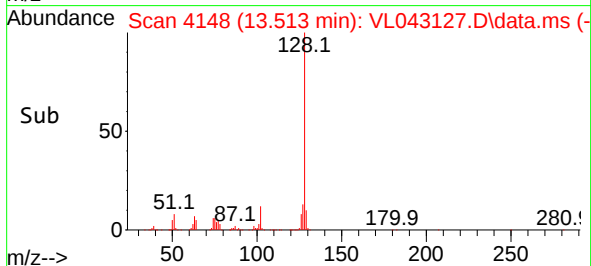
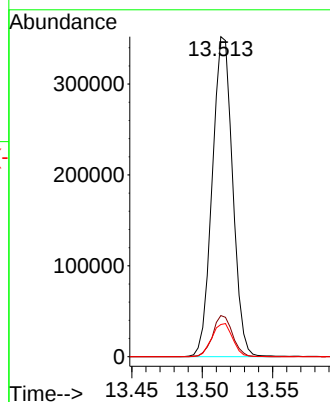
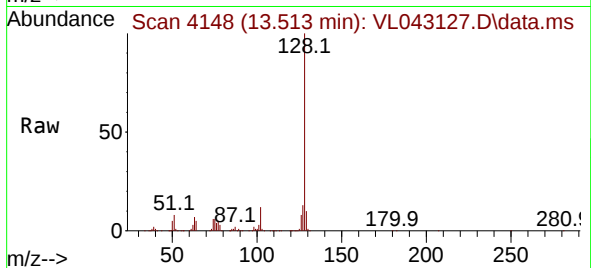
VL1016ABS01

Tgt Ion:128	Resp: 354180
Ion Ratio	Lower Upper
128 100	
127 12.8	10.5 15.7
129 10.0	9.1 13.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#80

Naphthalene,2-methyl-

Concen: 10.113 ppbv

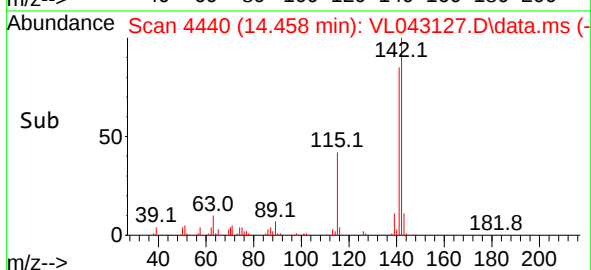
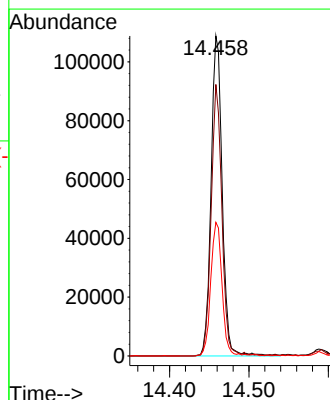
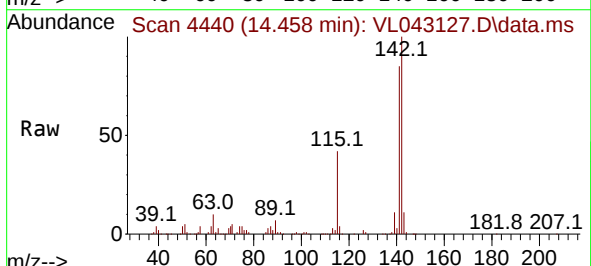
RT: 14.458 min Scan# 4440

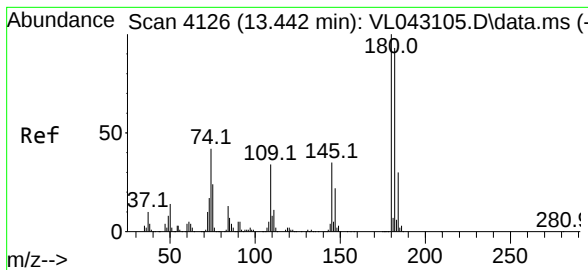
Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

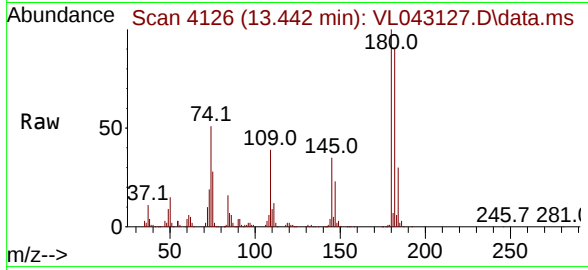
Tgt Ion:142	Resp: 106518
Ion Ratio	Lower Upper
142 100	
141 82.2	64.6 97.0
115 42.7	30.2 45.4





#81
 1,2,4-Trichlorobenzene
 Concen: 9.024 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01



Tgt Ion:	180	Resp:	151420
Ion Ratio	Lower	Upper	
180	100		
182	93.8	75.5	113.3
184	30.0	23.9	35.9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025

