

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
 Data File : VL042395.D
 Acq On : 21 Apr 2025 08:41
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/22/2025
 Supervised By : Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:50:13 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	118349	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	334726	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	297161	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 262155 10.736 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 107.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	214405	10.253	ppbv	95
3) Chlorodifluoromethane	1.473	51	172276	8.652	ppbv	96
4) Chloromethane	1.531	50	78242	9.455	ppbv	99
5) Vinyl Chloride	1.576	62	78692	8.736	ppbv	98
6) Bromomethane	1.664	94	36698	9.484	ppbv	92
7) Chloroethane	1.703	64	31945	9.806	ppbv	98
8) Dichlorotetrafluoroethane	1.551	85	182317	10.155	ppbv	94
9) Propene	1.483	41	67297	7.422	ppbv	98
10) Heptane	4.972	43	178981	7.026	ppbv	98
11) Trichlorofluoromethane	1.874	101	205368	10.328	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	154701	9.515	ppbv	99
13) Ethanol	1.719	45	4511	3.130	ppbv	88
14) Bromoethene	1.780	108	59325	9.680	ppbv	98
15) Acetone	1.832	43	168061	8.675	ppbv	99
16) 1,3-Butadiene	1.606	39	81189	8.762	ppbv	96
17) tert-Butyl alcohol	2.036	59	221320	9.218	ppbv	100
18) 1,1-Dichloroethene	2.030	96	70214	9.244	ppbv	97
19) Isopropyl Alcohol	1.884	45	98218	9.126	ppbv	94
20) Methylene Chloride	2.059	84	60052	7.915	ppbv	92
21) Allyl Chloride	2.091	41	121139	9.056	ppbv	97
22) trans-1,2-Dichloroethene	2.337	96	79496	9.192	ppbv	92
23) Vinyl Acetate	2.457	43	57298	7.306	ppbv	97
24) 1,1-Dichloroethane	2.405	63	154500	9.405	ppbv	100
25) Ethyl Acetate	2.832	43	392210	8.211	ppbv	99
26) Hexane	2.823	57	150573	7.789	ppbv	98
27) Carbon Disulfide	2.146	76	199908	9.658	ppbv	98
28) Methyl tert-Butyl Ether	2.437	73	106569	8.414	ppbv	95
29) Chloroform	2.845	83	259635	9.502	ppbv	98
30) Cyclohexane	3.852	84	126496	8.095	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	166357	9.051	ppbv	98
32) 1,1,1-Trichloroethane	3.363	97	285590	9.284	ppbv	99
34) 2-Butanone	2.554	43	220144	8.316	ppbv	99
35) Carbon Tetrachloride	3.755	117	291229	9.614	ppbv	91
36) Benzene	3.651	78	303987	8.420	ppbv	97
37) 1,2-Dichloroethane	3.214	62	221151	10.206	ppbv	97
38) Trichloroethene	4.541	130	123150	7.804	ppbv	94
39) 1,2-Dichloropropane	4.305	63	107877	8.018	ppbv #	88
40) 1,4-Dioxane	4.574	88	53874	7.286	ppbv #	94
41) Tetrahydrofuran	3.049	42	118863	7.701	ppbv	99
42) Bromodichloromethane	4.483	83	295552	9.800	ppbv	98
43) Methyl Methacrylate	4.875	69	124747	7.667	ppbv	95
44) 2,2,4-Trimethylpentane	4.629	57	507437	8.138	ppbv	95
45) t-1,3-Dichloropropene	6.406	75	142879	8.596	ppbv	96

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

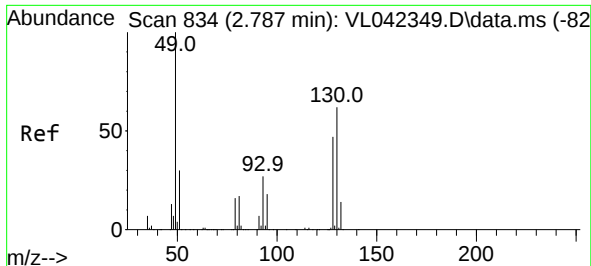
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

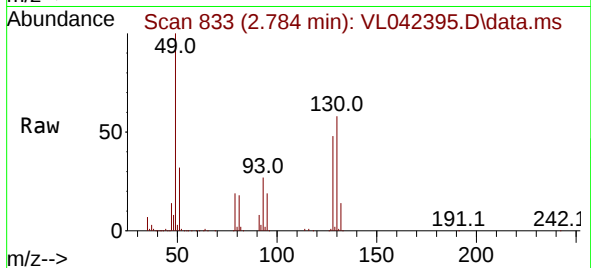
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	174844	8.595	ppbv	88
47) 1,1,2-Trichloroethane	6.571	97	119399	8.711	ppbv	92
48) Dibromochloromethane	7.380	129	229466	9.476	ppbv	99
49) Bromoform	9.480	173	187094	8.836	ppbv	99
50) 4-Methyl-2-Pentanone	5.742	43	321752	7.314	ppbv	99
51) 2-Hexanone	7.425	43	260009	6.590	ppbv #	95
52) Tetrachloroethene	8.218	164	104294	7.474	ppbv	90
53) Toluene	6.923	91	355540	8.206	ppbv	99
54) 1,2-Dibromoethane	7.642	107	169774	8.654	ppbv	91
56) 1,1,1,2-Tetrachloroethane	8.917	131	170285	9.468	ppbv	96
57) Chlorobenzene	8.917	112	276428	8.944	ppbv	98
58) Ethyl Benzene	9.348	91	517937	8.797	ppbv	100
59) m/p-Xylene	9.545	91	847455m	17.868	ppbv	
60) o-Xylene	9.959	91	433569	9.078	ppbv	96
61) Styrene	9.866	104	192729	8.454	ppbv	96
62) Isopropylbenzene	10.535	105	625514	8.920	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.956	83	250238	8.085	ppbv	100
64) n-propylbenzene	10.985	120	154114	8.744	ppbv	97
65) tert-Butylbenzene	11.526	119	570548	8.853	ppbv	96
66) Benzyl Chloride	11.610	91	57090	8.061	ppbv	99
67) sec-Butylbenzene	11.765	105	797738	8.899	ppbv	99
69) p-Isopropyltoluene	11.921	119	684482	8.789	ppbv	97
70) n-Butylbenzene	12.277	91	720062	8.877	ppbv	97
71) 2-Chlorotoluene	10.898	91	493192	8.967	ppbv	97
72) 4-Ethyltoluene	11.121	105	521390	8.929	ppbv	97
73) 1,3,5-Trimethylbenzene	11.199	105	451158	8.752	ppbv	96
74) 1,2,4-Trimethylbenzene	11.532	105	502117	8.340	ppbv #	87
75) 1,3-Dichlorobenzene	11.604	146	264024	8.436	ppbv	97
76) 1,4-Dichlorobenzene	11.668	146	265655	8.445	ppbv	98
77) 1,2-Dichlorobenzene	11.943	146	260133	8.548	ppbv	97
78) Hexachloro-1,3-Butadiene	13.879	225	245910	8.002	ppbv	99
79) Naphthalene	13.510	128	570593	7.925	ppbv	100
80) Naphthalene,2-methyl-	14.455	142	304139	7.412	ppbv	96
81) 1,2,4-Trichlorobenzene	13.439	180	250801	8.112	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 811
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

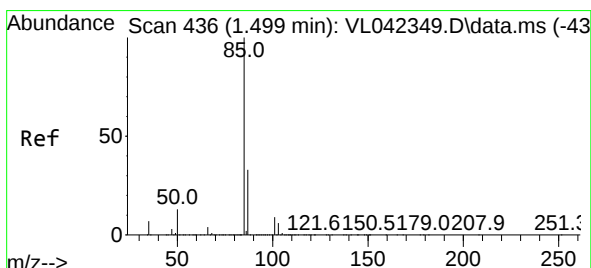
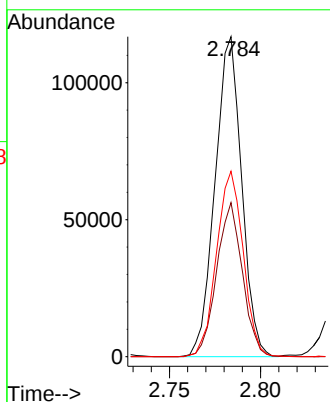
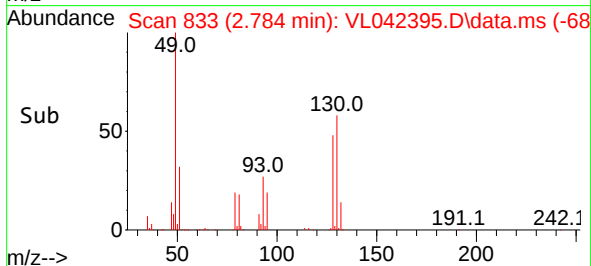
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



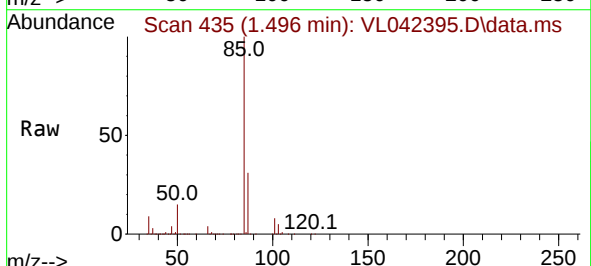
Tgt Ion: 49 Resp: 118349
Ion Ratio Lower Upper
49 100
128 46.7 22.8 68.4
130 58.2 29.3 88.0

Manual Integrations
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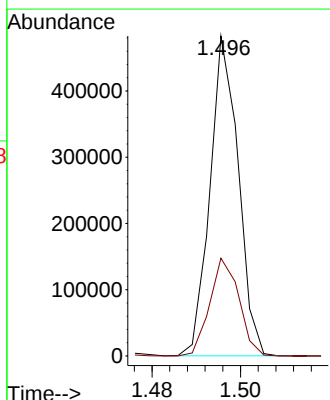
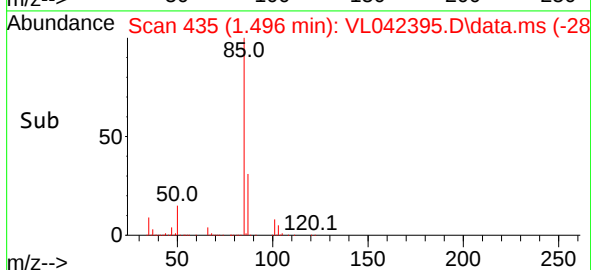
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

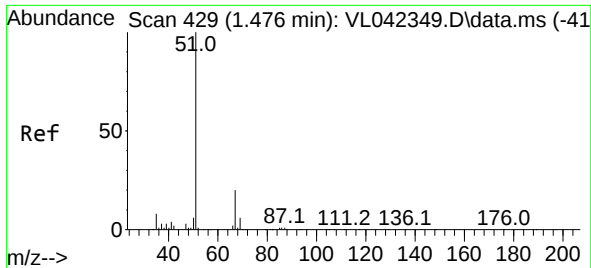


#2
Dichlorodifluoromethane
Concen: 10.253 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



Tgt Ion: 85 Resp: 214405
Ion Ratio Lower Upper
85 100
87 30.6 26.6 39.8





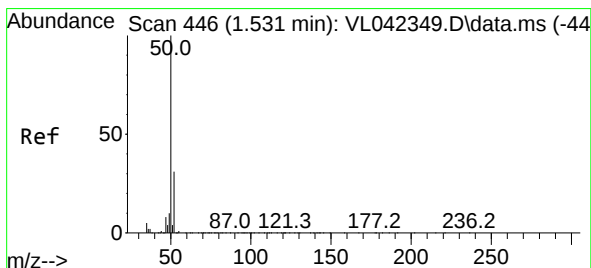
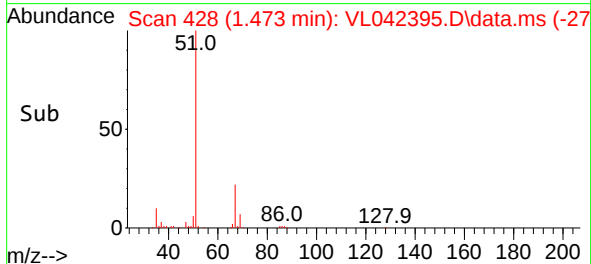
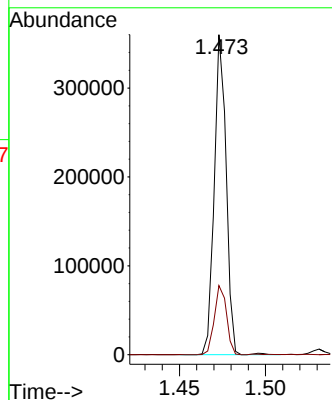
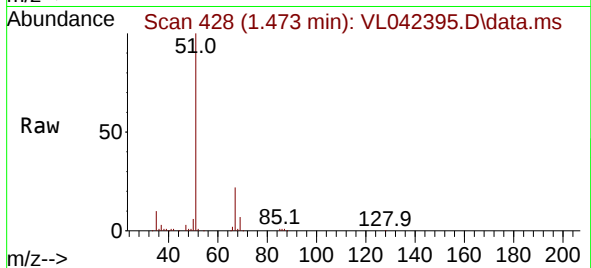
#3
Chlorodifluoromethane
Concen: 8.652 ppbv
RT: 1.473 min Scan# 429
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 172270
Ion Ratio Lower Upper
51 100
67 22.2 16.2 24.4

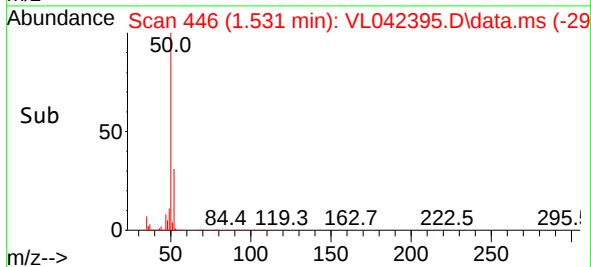
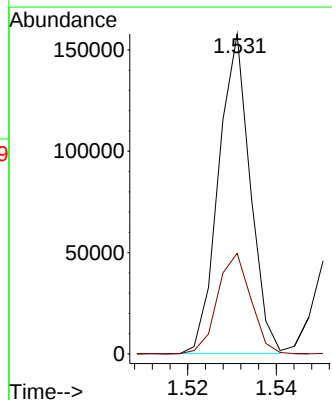
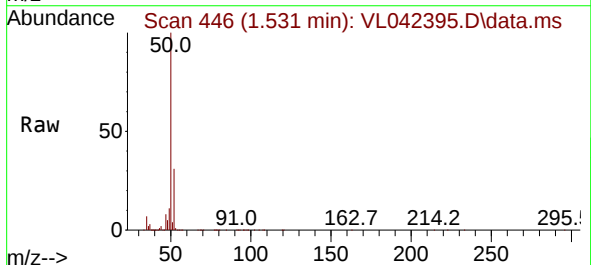
Manual Integrations
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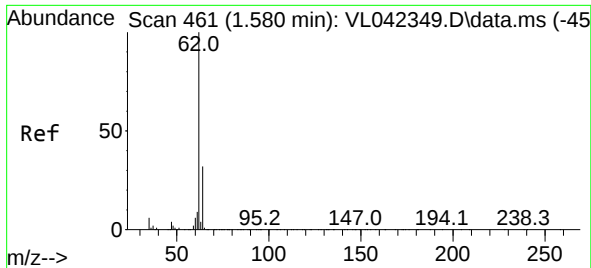
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#4
Chloromethane
Concen: 9.455 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Tgt Ion: 50 Resp: 78242
Ion Ratio Lower Upper
50 100
52 31.4 24.7 37.1





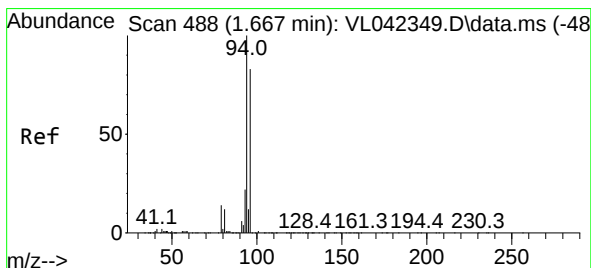
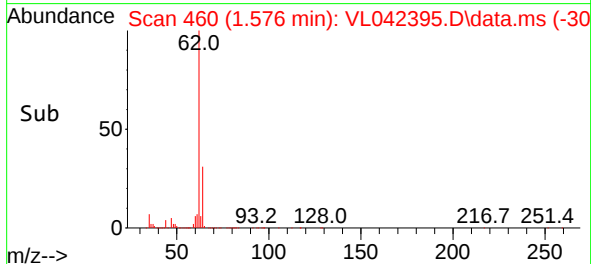
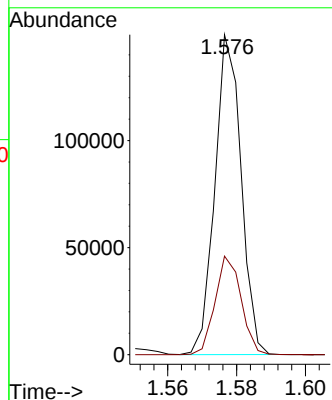
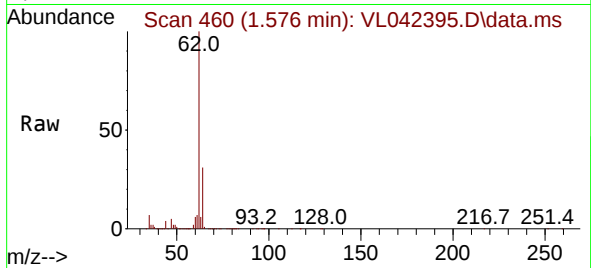
#5
 Vinyl Chloride
 Concen: 8.736 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.003 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 78692
 Ion Ratio Lower Upper
 62 100
 64 30.8 25.4 38.0

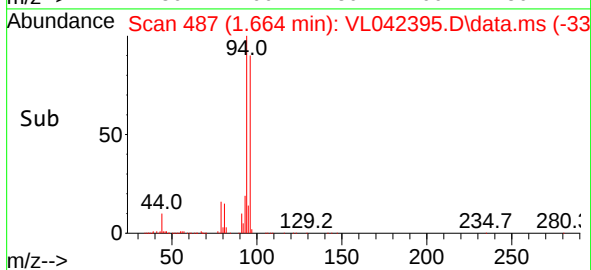
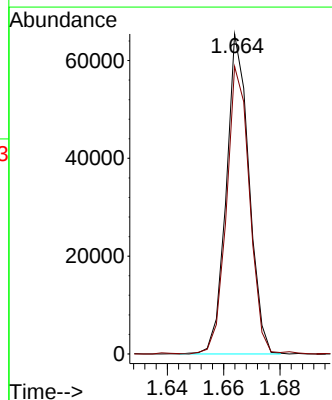
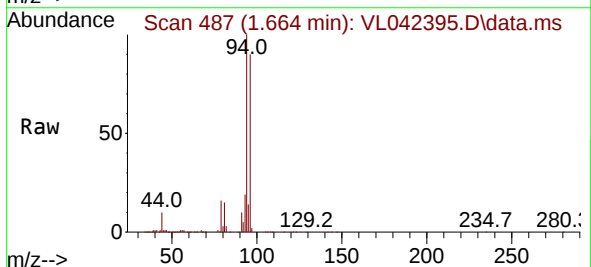
Manual Integrations
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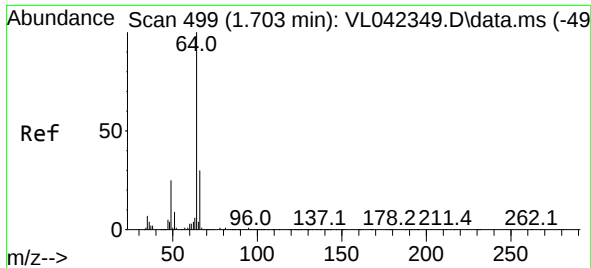
Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025



#6
 Bromomethane
 Concen: 9.484 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.003 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

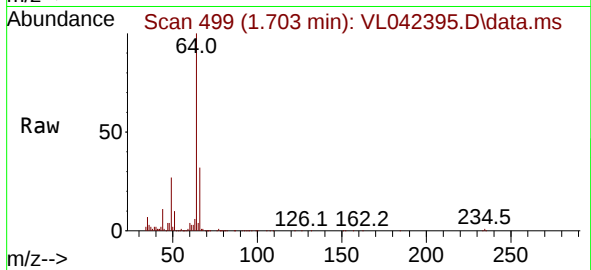
Tgt Ion: 94 Resp: 36698
 Ion Ratio Lower Upper
 94 100
 96 89.8 66.2 99.2





#7
Chloroethane
Concen: 9.806 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

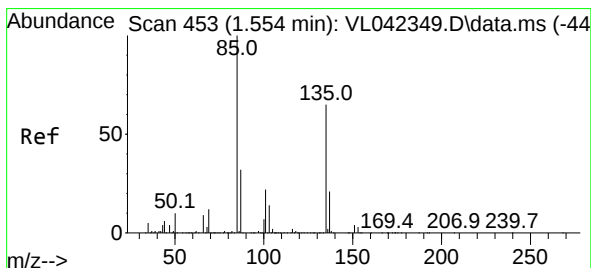
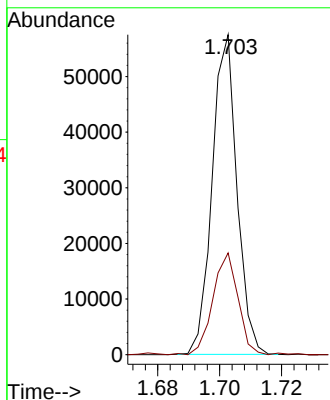
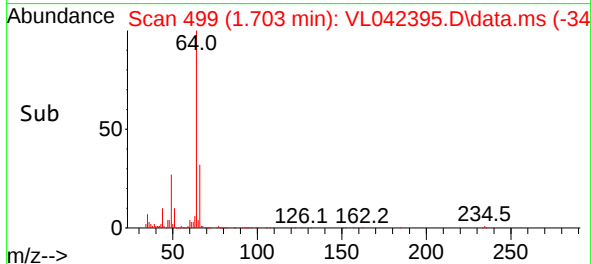
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



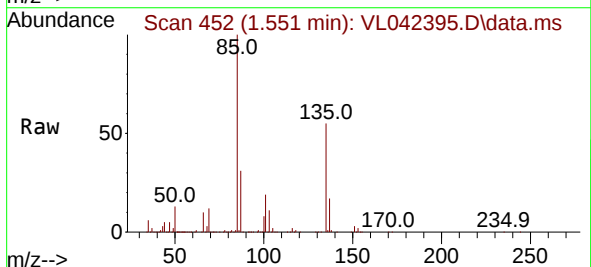
Tgt Ion: 64 Resp: 31945
Ion Ratio Lower Upper
64 100
66 31.8 24.6 37.0

Manual Integrations
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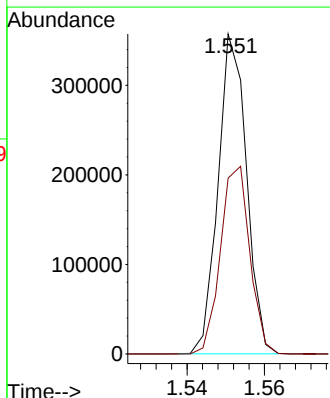
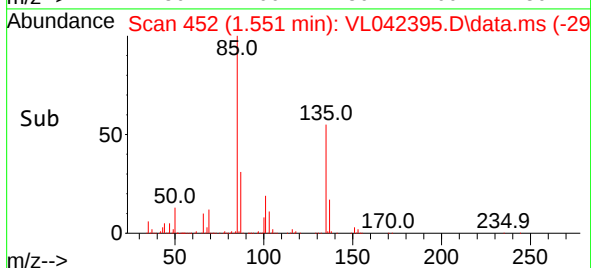
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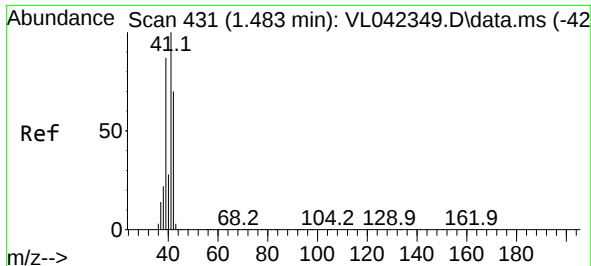


#8
Dichlorotetrafluoroethane
Concen: 10.155 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



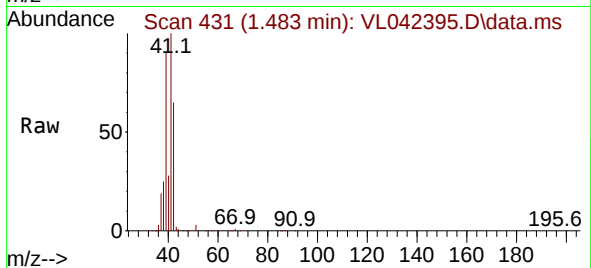
Tgt Ion: 85 Resp: 182317
Ion Ratio Lower Upper
85 100
135 60.7 52.2 78.2





#9
 Propene
 Concen: 7.422 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

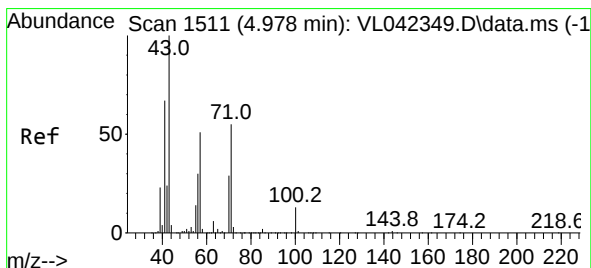
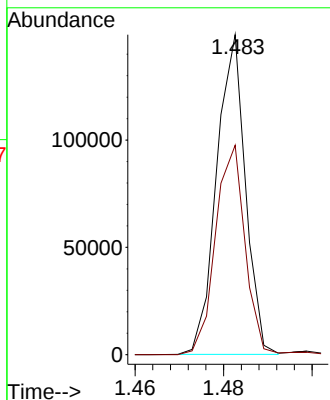
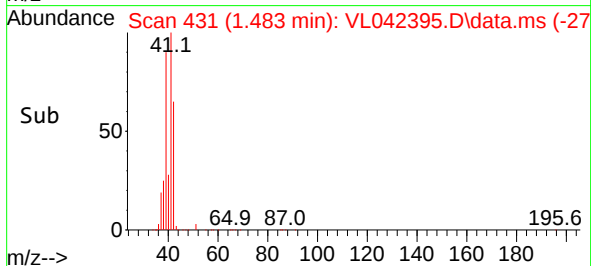
Instrument :
 MSVOA_L
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 VSTDCCC010



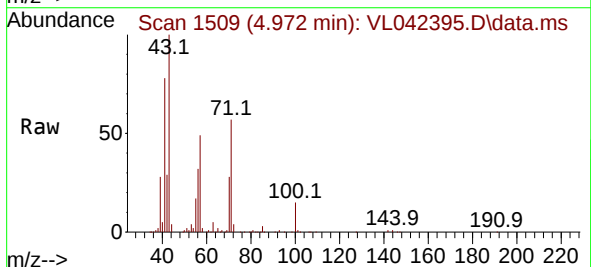
Tgt Ion: 41 Resp: 6729
 Ion Ratio Lower Upper
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 42 68.8 56.2 84.4

Manual Integrations
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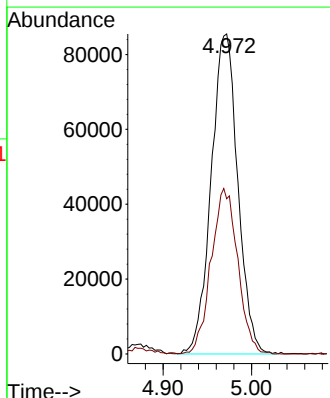
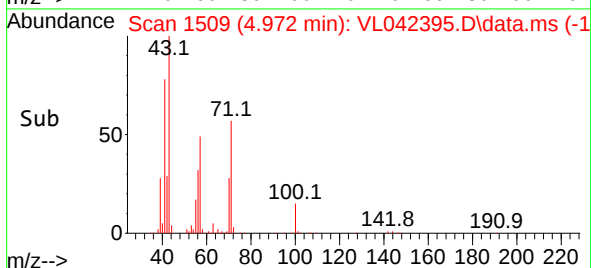
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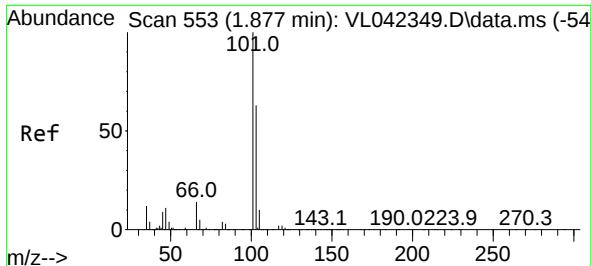


#10
 Heptane
 Concen: 7.026 ppbv
 RT: 4.972 min Scan# 1509
 Delta R.T. -0.006 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41



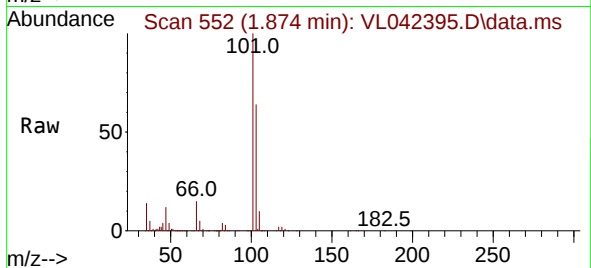
Tgt Ion: 43 Resp: 178981
 Ion Ratio Lower Upper
 43 100
 57 51.6 39.9 59.9





#11
 Trichlorofluoromethane
 Concen: 10.328 ppbv
 RT: 1.874 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

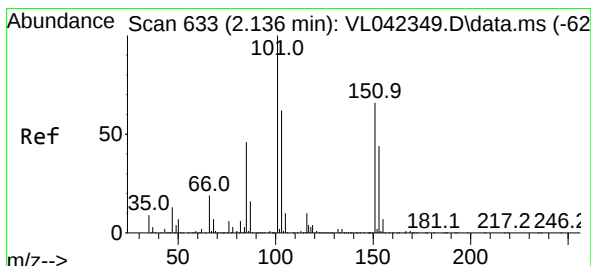
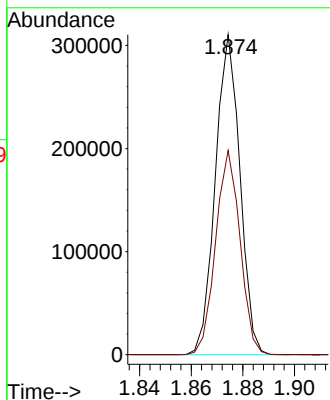
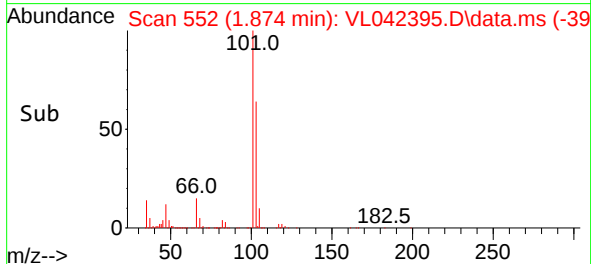
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



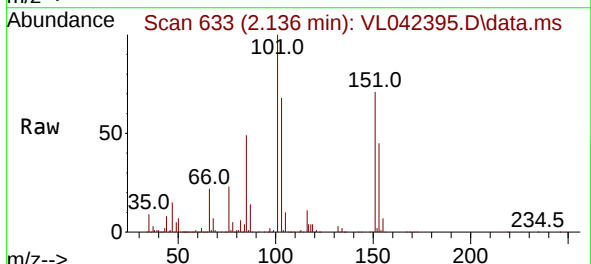
Tgt Ion:101 Resp: 205368
 Ion Ratio Lower Upper
 101 100
 103 63.8 50.1 75.1

Manual Integrations
 APPROVED

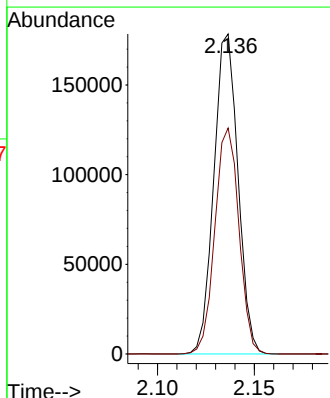
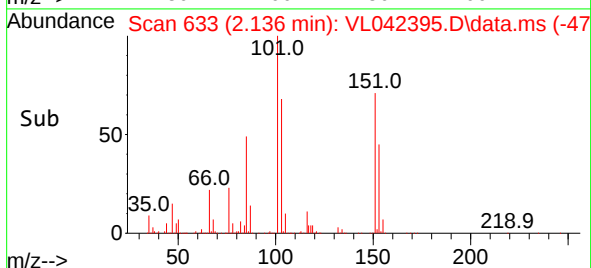
Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

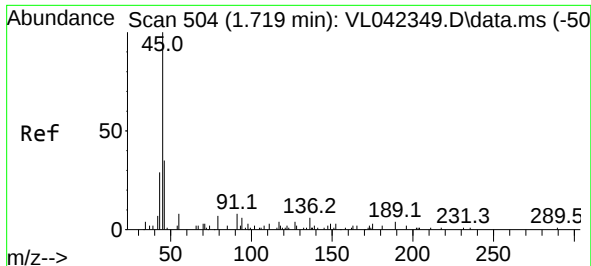


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.515 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. 0.000 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41



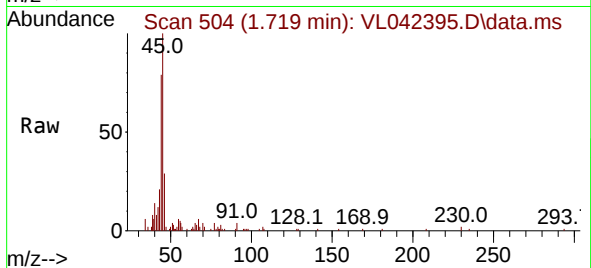
Tgt Ion:101 Resp: 154701
 Ion Ratio Lower Upper
 101 100
 151 70.4 57.0 85.6





#13
Ethanol
Concen: 3.130 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

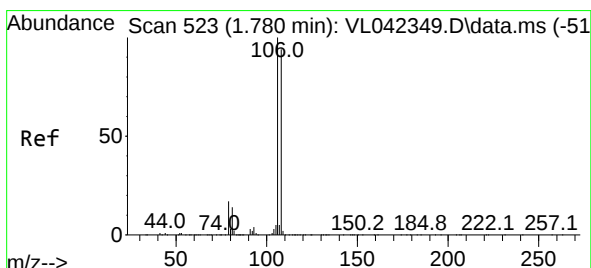
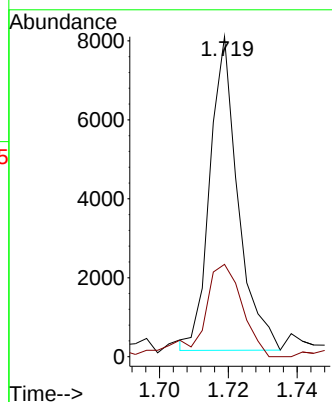
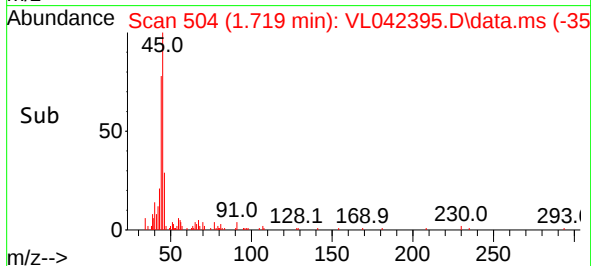
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



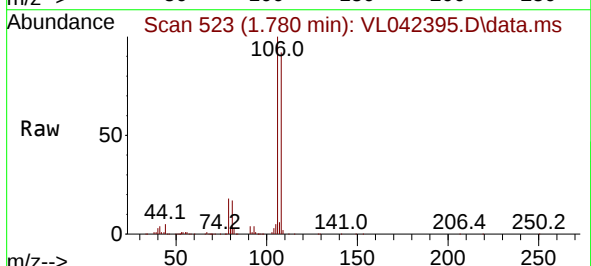
Tgt Ion: 45 Resp: 451
Ion Ratio Lower Upper
45 100
46 45.8 21.9 87.7

Manual Integrations
APPROVED

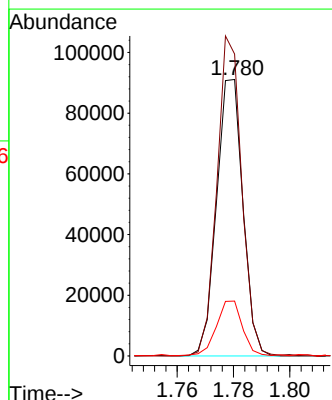
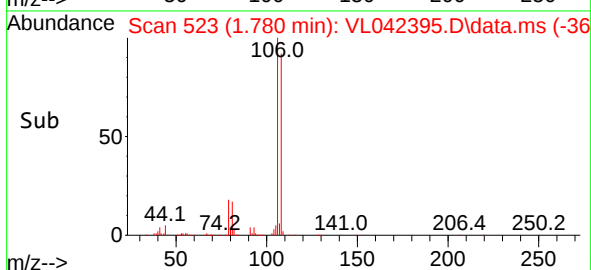
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

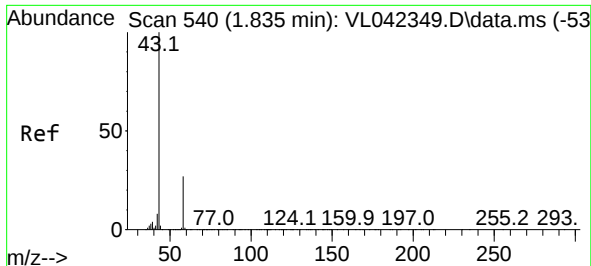


#14
Bromoethene
Concen: 9.680 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



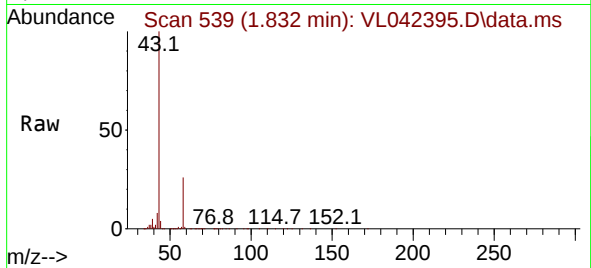
Tgt Ion:108 Resp: 59325
Ion Ratio Lower Upper
108 100
106 108.9 85.9 128.9
79 19.7 13.9 20.9





#15
Acetone
Concen: 8.675 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

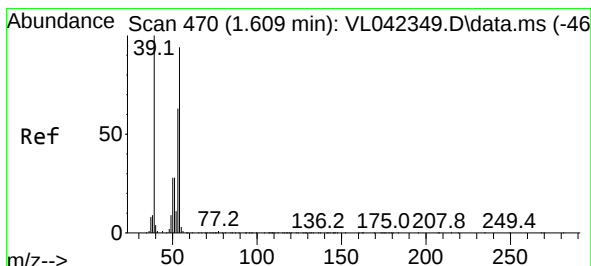
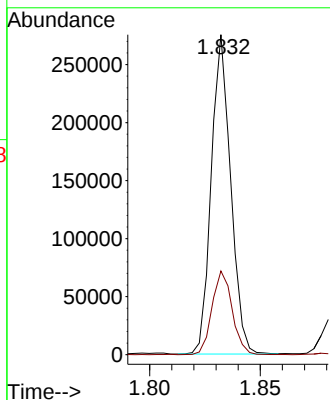
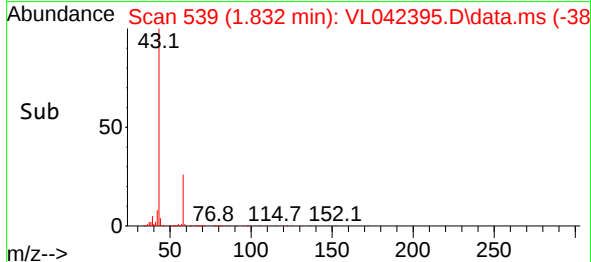
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 16806
Ion Ratio Lower Upper
43 100
58 27.4 22.4 33.6

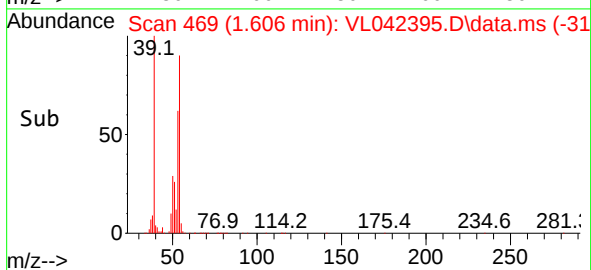
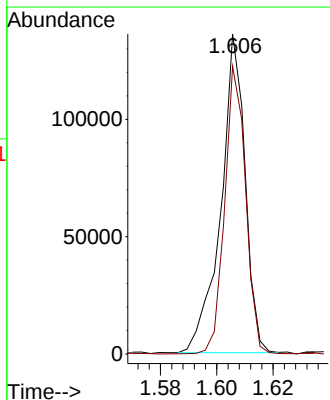
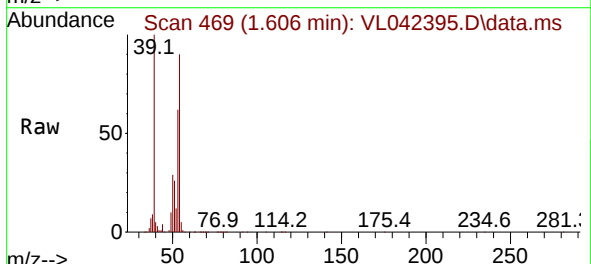
Manual Integrations
APPROVED

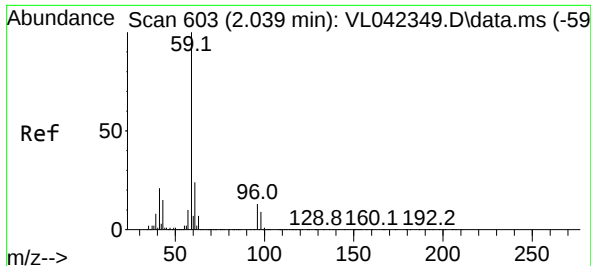
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#16
1,3-Butadiene
Concen: 8.762 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Tgt Ion: 39 Resp: 81189
Ion Ratio Lower Upper
39 100
54 77.6 64.9 97.3





#17

tert-Butyl alcohol

Concen: 9.218 ppbv

RT: 2.036 min Scan# 603

Delta R.T. -0.003 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 221320

Ion Ratio Lower Upper

59 100

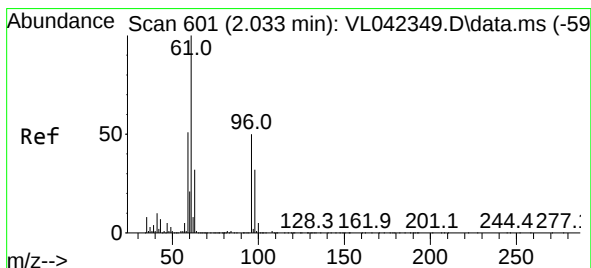
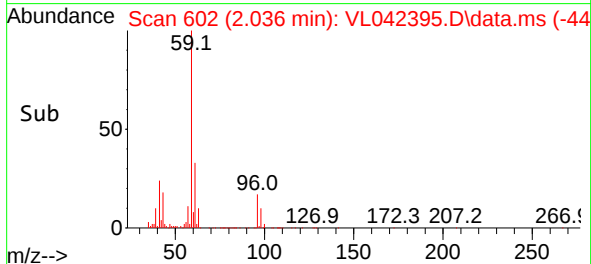
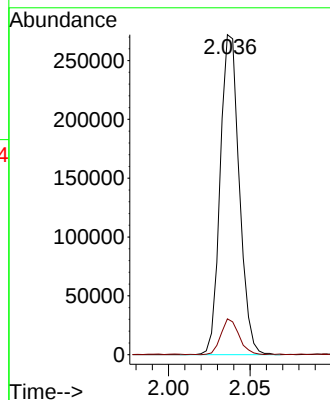
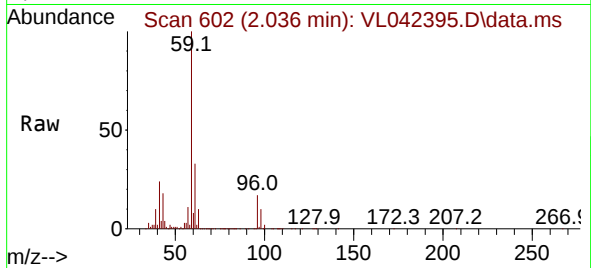
57 10.9 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#18

1,1-Dichloroethene

Concen: 9.244 ppbv

RT: 2.030 min Scan# 600

Delta R.T. -0.003 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

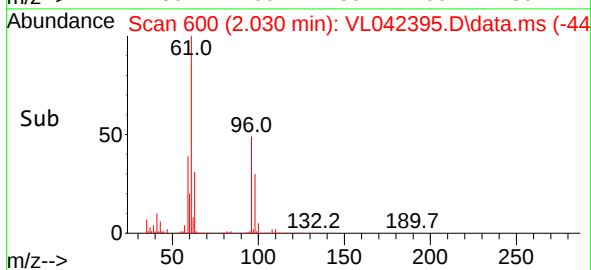
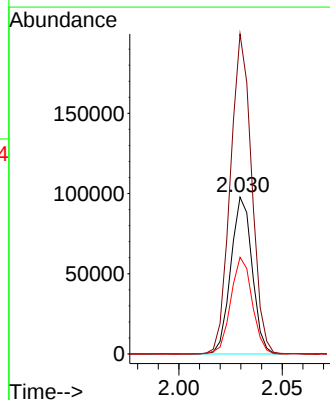
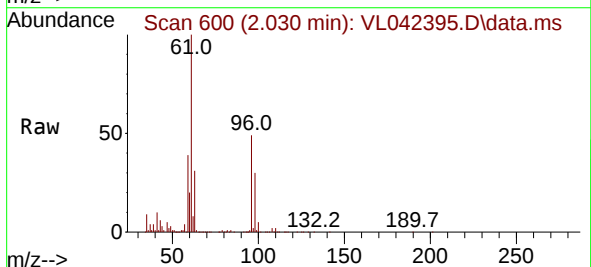
Tgt Ion: 96 Resp: 70214

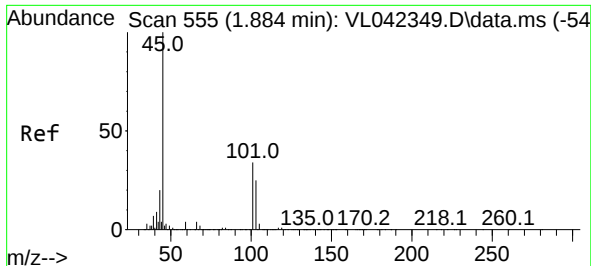
Ion Ratio Lower Upper

96 100

61 204.0 160.2 240.2

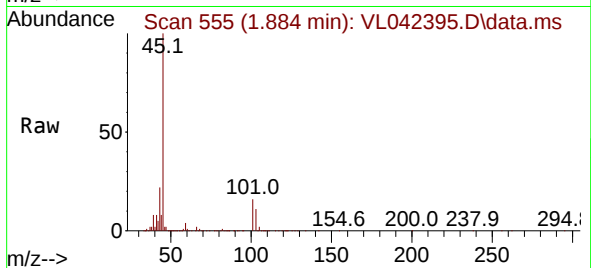
98 61.7 51.0 76.4





#19
Isopropyl Alcohol
Concen: 9.126 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

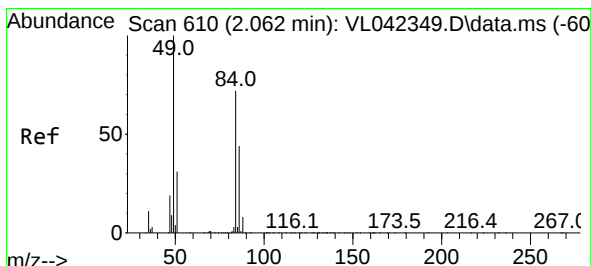
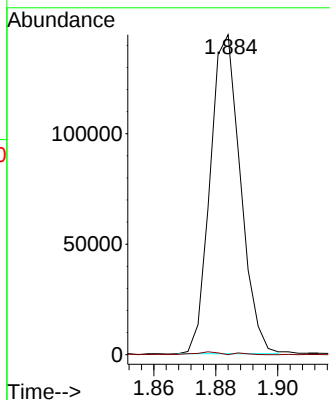
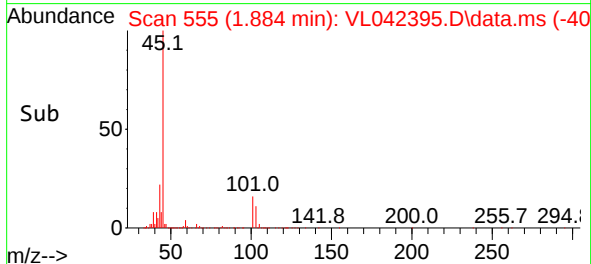
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



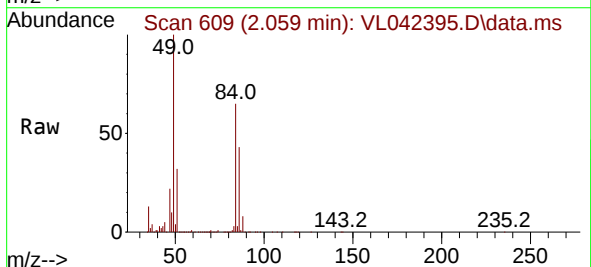
Tgt Ion: 45 Resp: 98218
Ion Ratio Lower Upper
45 100
58 46.8 34.5 51.7

Manual Integrations
APPROVED

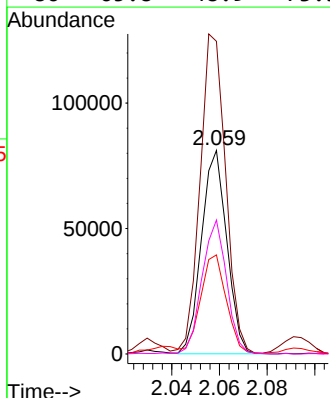
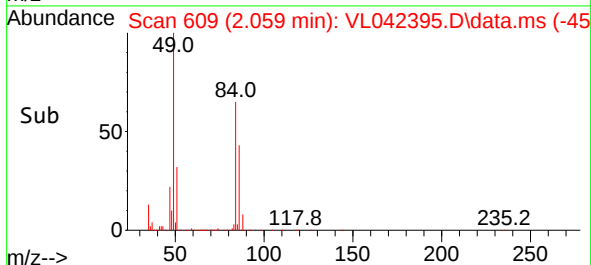
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

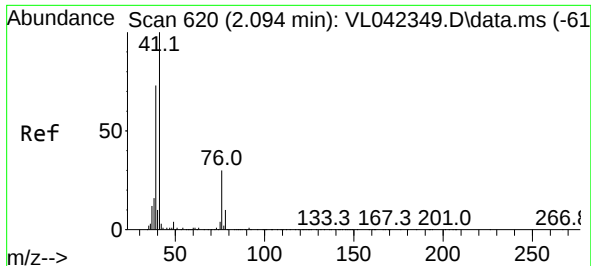


#20
Methylene Chloride
Concen: 7.915 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



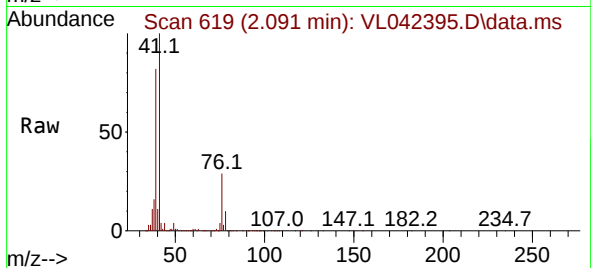
Tgt Ion: 84 Resp: 60052
Ion Ratio Lower Upper
84 100
49 151.5 111.6 167.4
51 47.7 35.1 52.7
86 65.8 48.9 73.3





#21
 Allyl Chloride
 Concen: 9.056 ppbv
 RT: 2.091 min Scan# 619
 Delta R.T. -0.003 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

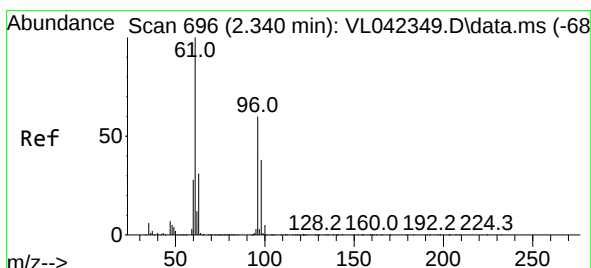
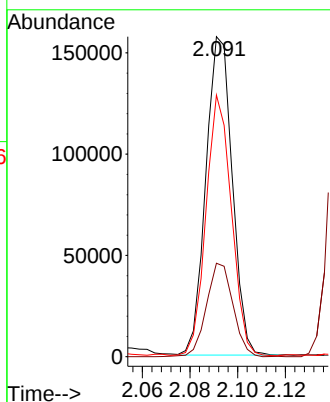
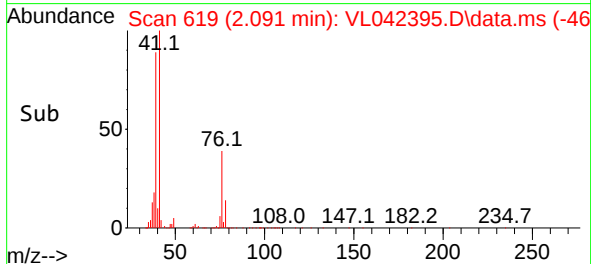
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



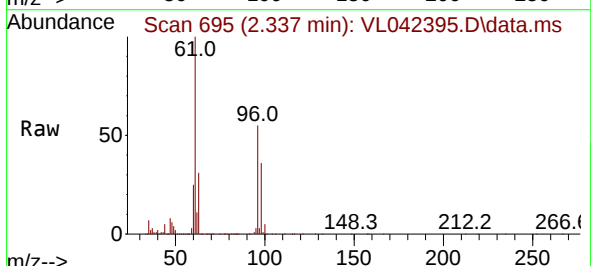
Tgt Ion: 41 Resp: 121139
 Ion Ratio Lower Upper
 41 100
 76 29.5 24.8 37.2
 39 78.5 60.6 90.8

Manual Integrations
 APPROVED

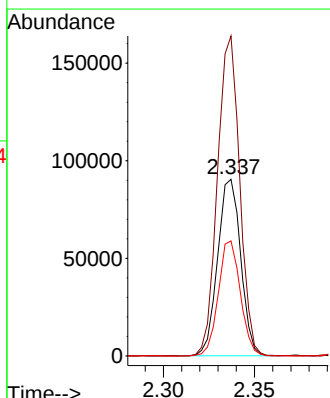
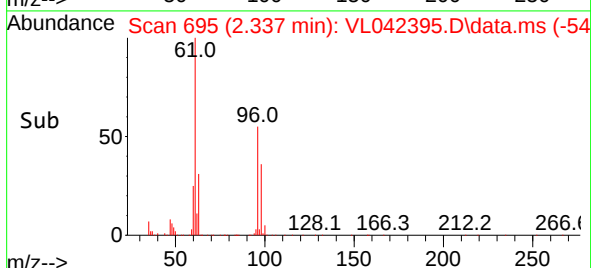
Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

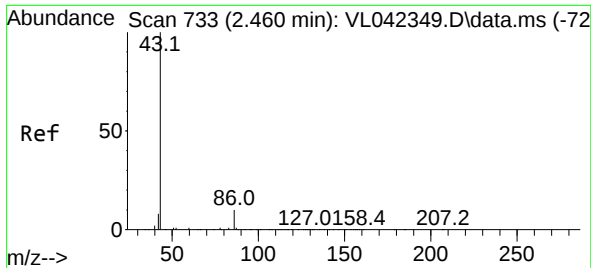


#22
 trans-1,2-Dichloroethene
 Concen: 9.192 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.003 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41



Tgt Ion: 96 Resp: 79496
 Ion Ratio Lower Upper
 96 100
 61 181.2 133.7 200.5
 98 65.2 50.3 75.5





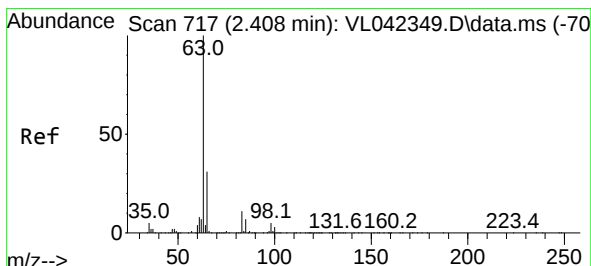
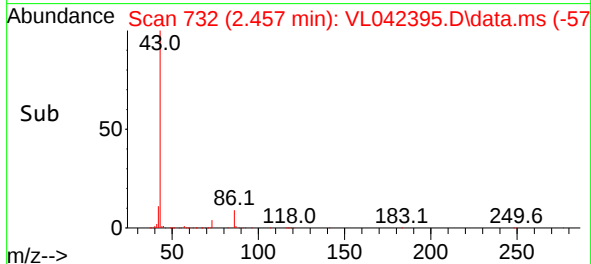
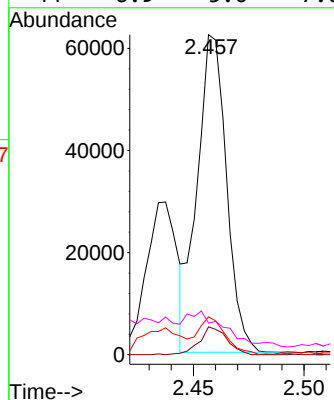
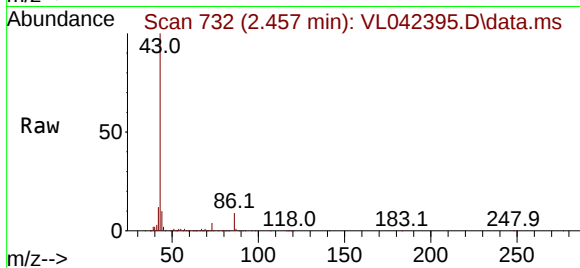
#23
 Vinyl Acetate
 Concen: 7.306 ppbv
 RT: 2.457 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 57298
 Ion Ratio Lower Upper
 43 100
 86 8.8 6.5 9.7
 42 11.5 7.8 11.8
 44 6.9 5.0 7.6

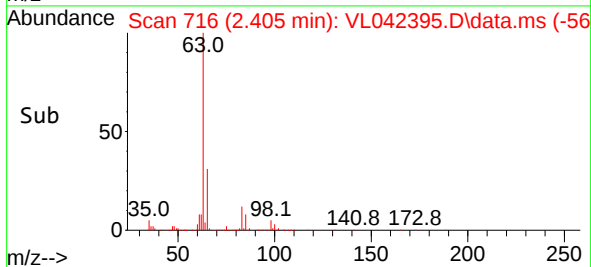
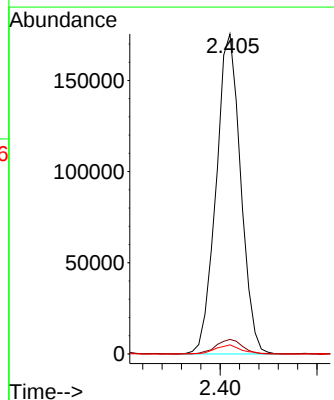
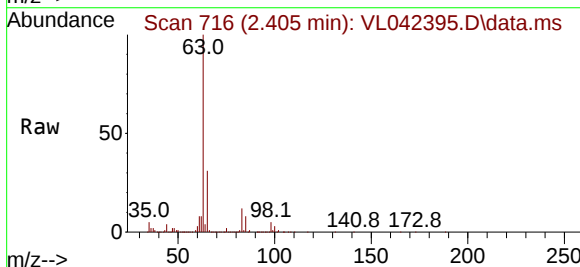
Manual Integrations
 APPROVED

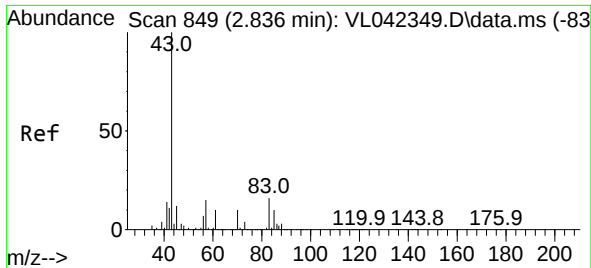
Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025



#24
 1,1-Dichloroethane
 Concen: 9.405 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

Tgt Ion: 63 Resp: 154500
 Ion Ratio Lower Upper
 63 100
 98 4.5 2.3 6.8
 100 2.9 1.6 4.8





#25
Ethyl Acetate
Concen: 8.211 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Instrument :

MSVOA_L

ClientSampleId :

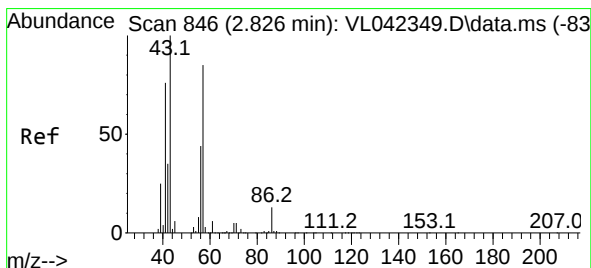
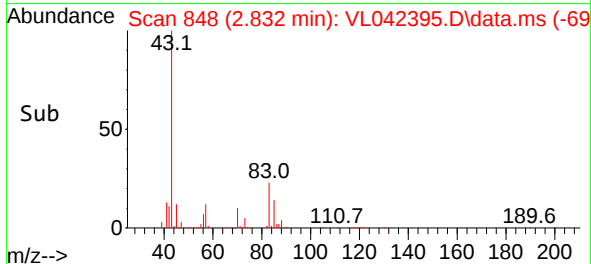
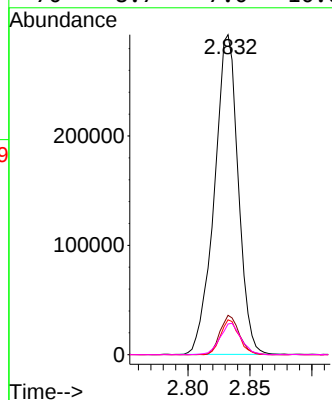
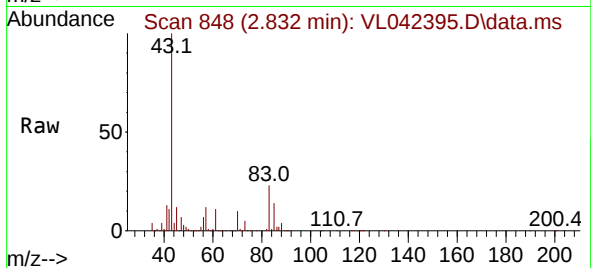
VSTDCCC010

Tgt Ion: 43 Resp: 392210
Ion Ratio Lower Upper
43 100
45 10.0 8.3 12.5
61 8.5 7.3 10.9
70 8.7 7.0 10.6

Manual Integrations

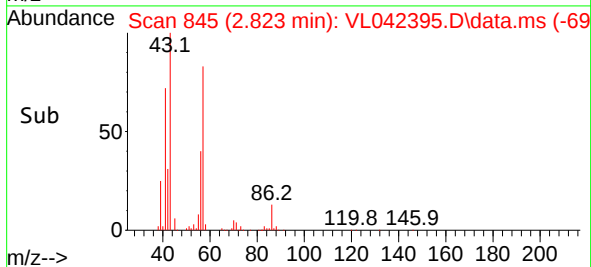
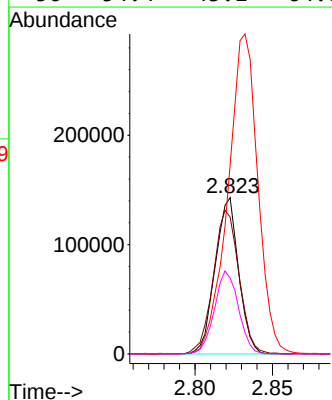
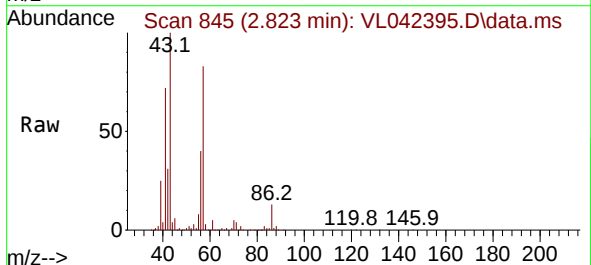
APPROVED

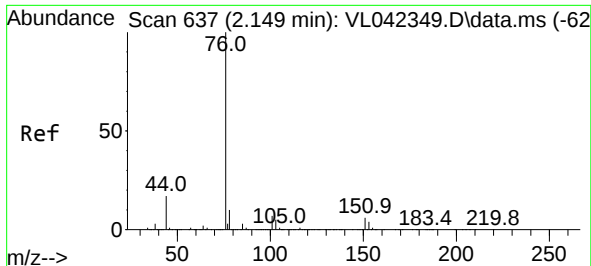
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#26
Hexane
Concen: 7.789 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Tgt Ion: 57 Resp: 150573
Ion Ratio Lower Upper
57 100
41 101.6 77.9 116.9
43 261.8 208.4 312.6
56 54.4 43.1 64.7





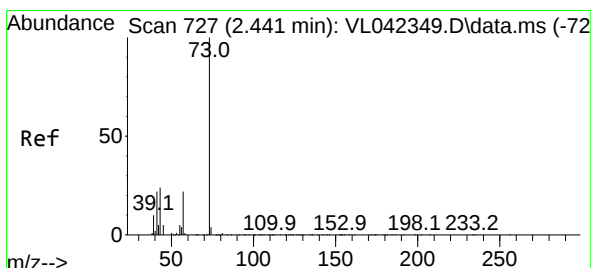
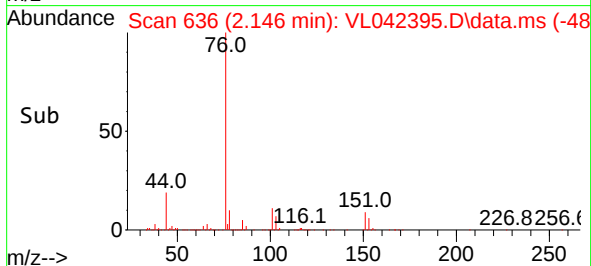
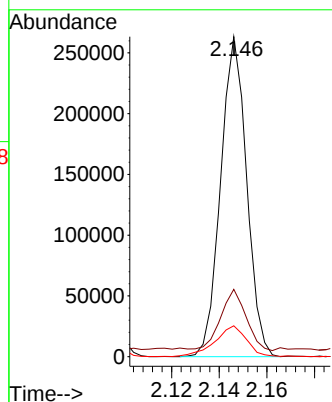
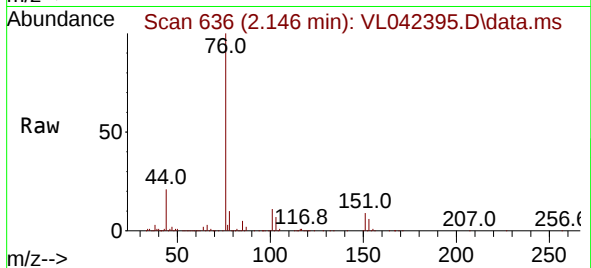
#27
Carbon Disulfide
Concen: 9.658 ppbv
RT: 2.146 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 199908
Ion Ratio Lower Upper
76 100
44 20.3 15.5 23.3
78 11.9 9.3 13.9

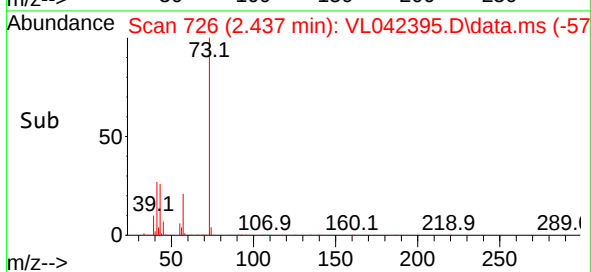
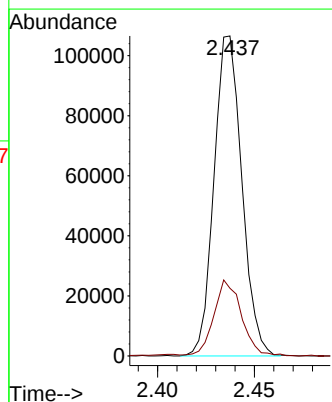
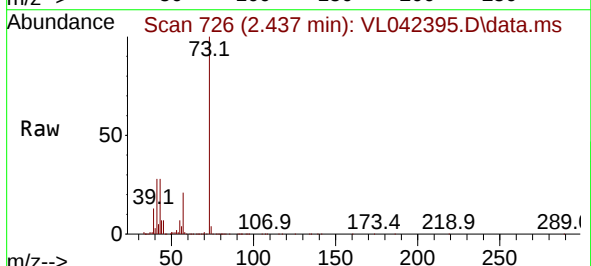
Manual Integrations
APPROVED

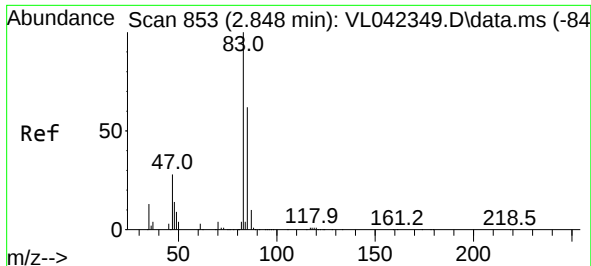
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#28
Methyl tert-Butyl Ether
Concen: 8.414 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Tgt Ion: 73 Resp: 106569
Ion Ratio Lower Upper
73 100
57 24.2 21.3 31.9





#29

Chloroform

Concen: 9.502 ppbv

RT: 2.845 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 25963

Ion Ratio Lower Upper

83 100

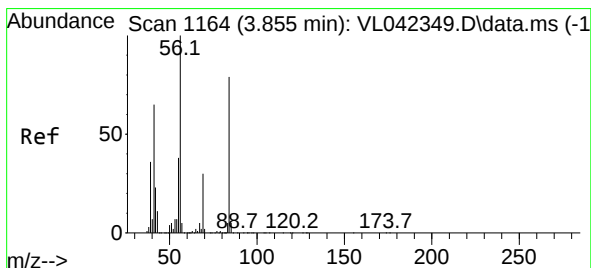
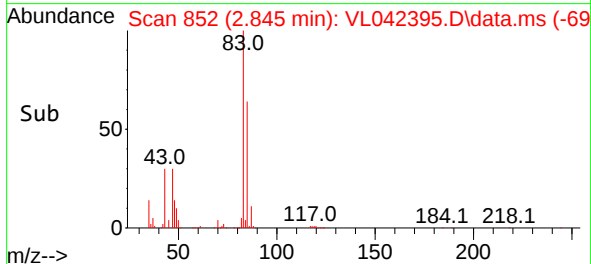
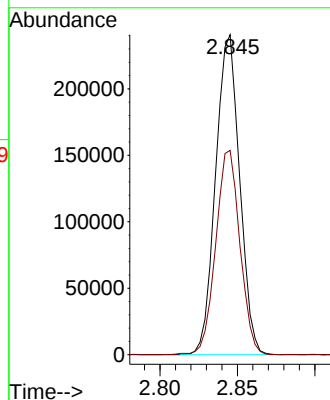
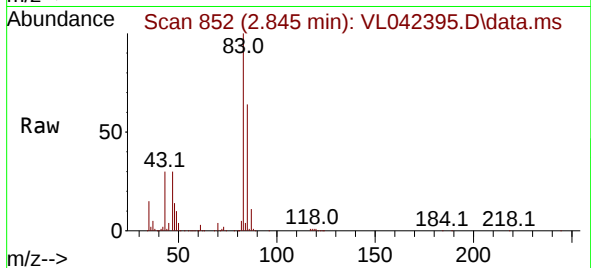
85 63.8 50.0 75.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#30

Cyclohexane

Concen: 8.095 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.003 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

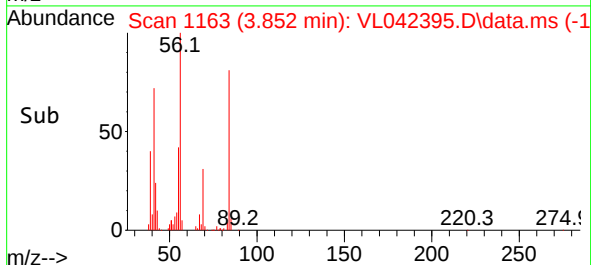
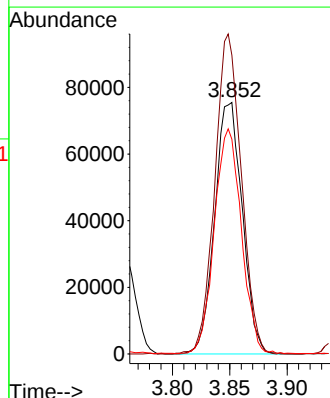
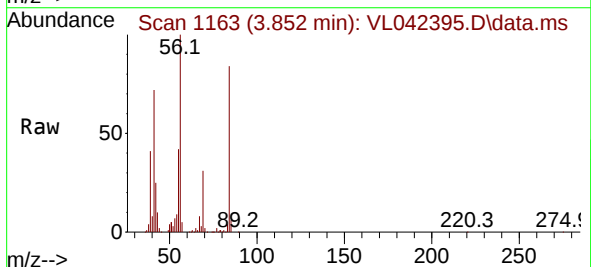
Tgt Ion: 84 Resp: 126496

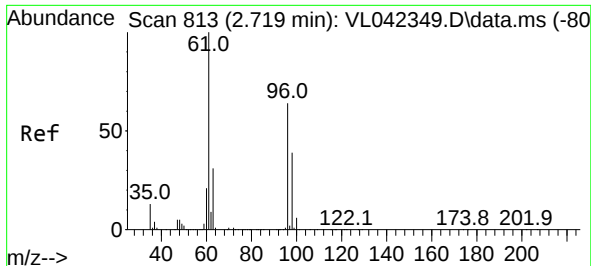
Ion Ratio Lower Upper

84 100

56 122.4 101.0 151.4

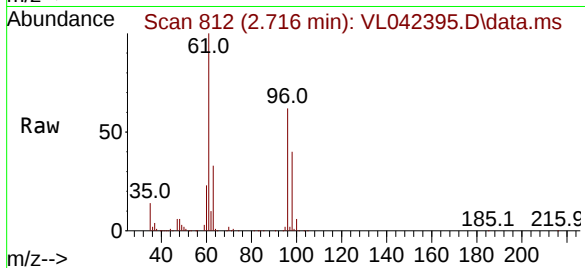
41 87.5 67.4 101.0





#31
 cis-1,2-Dichloroethene
 Concen: 9.051 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

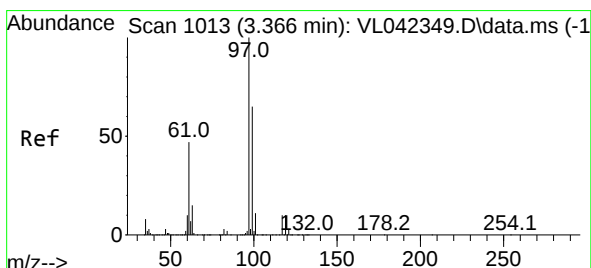
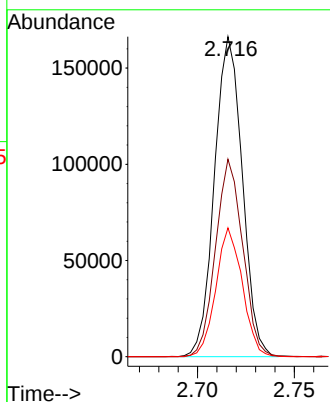
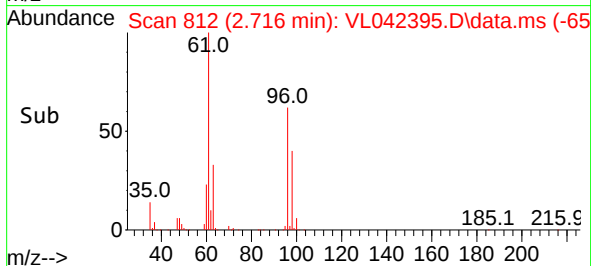
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



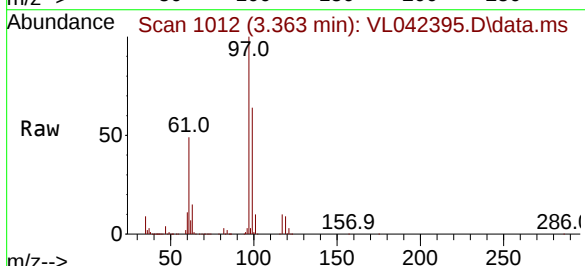
Tgt Ion: 61 Resp: 16635
 Ion Ratio Lower Upper
 61 100
 96 61.7 50.8 76.2
 98 40.2 30.9 46.3

Manual Integrations
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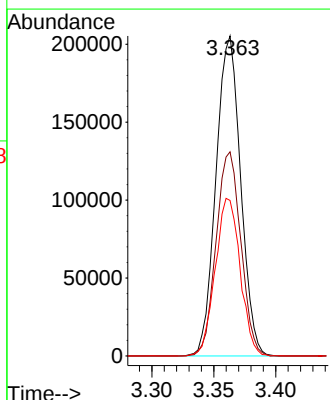
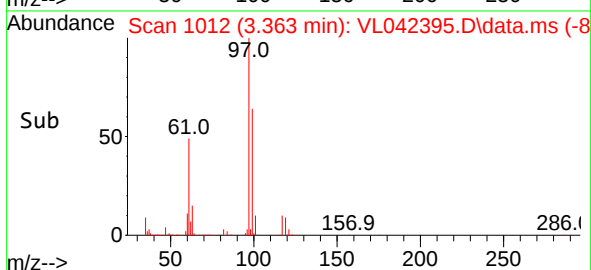
Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

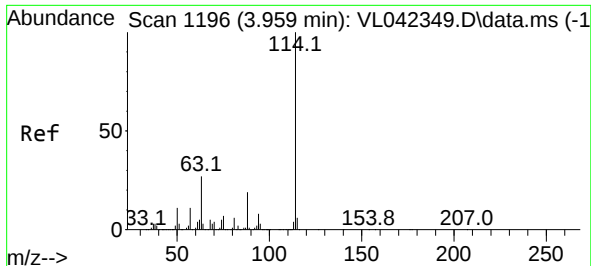


#32
 1,1,1-Trichloroethane
 Concen: 9.284 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.003 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41



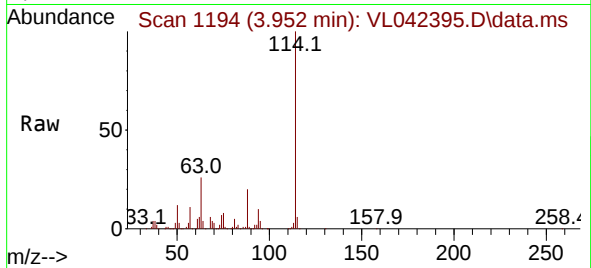
Tgt Ion: 97 Resp: 285590
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.0 76.4
 61 49.7 38.8 58.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

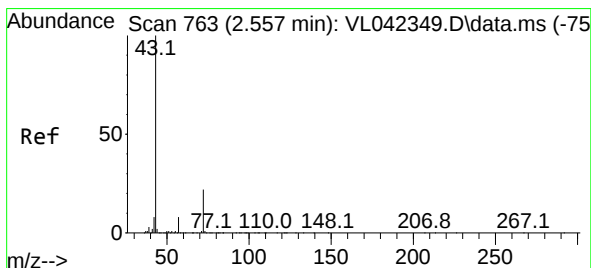
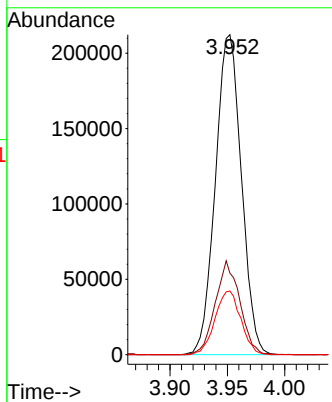
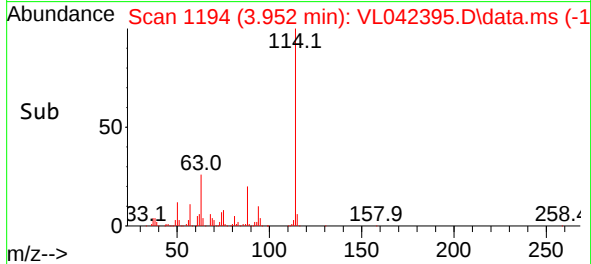
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:114 Resp: 334720
Ion Ratio Lower Upper
114 100
63 27.8 21.8 32.6
88 19.7 15.5 23.3

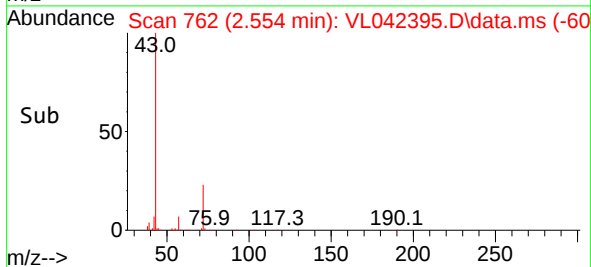
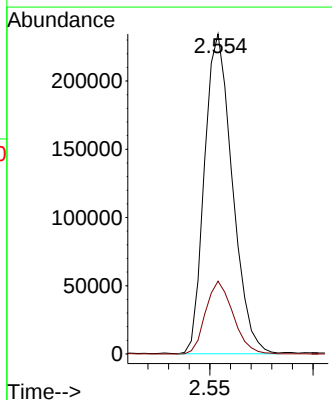
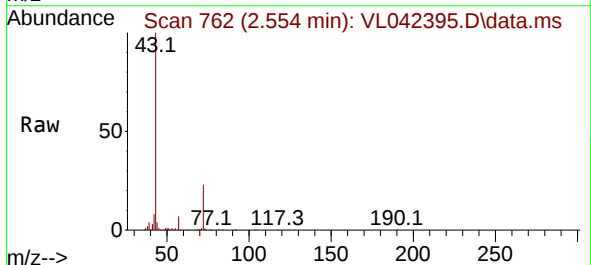
Manual Integrations
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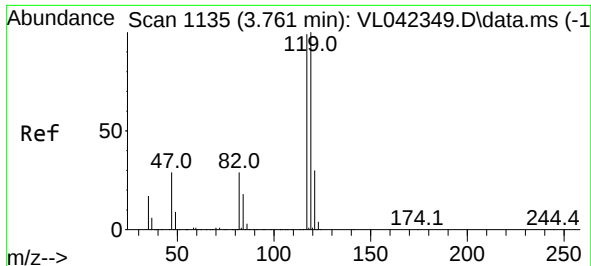
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#34
2-Butanone
Concen: 8.316 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

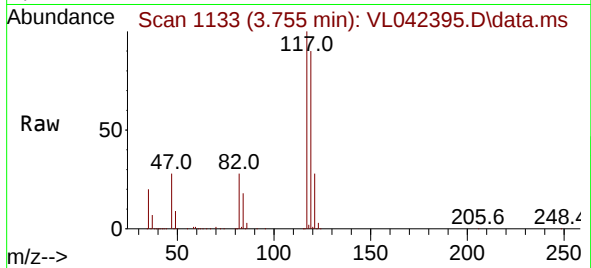
Tgt Ion: 43 Resp: 220144
Ion Ratio Lower Upper
43 100
72 22.4 18.2 27.2





#35
Carbon Tetrachloride
Concen: 9.614 ppbv
RT: 3.755 min Scan# 1135
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

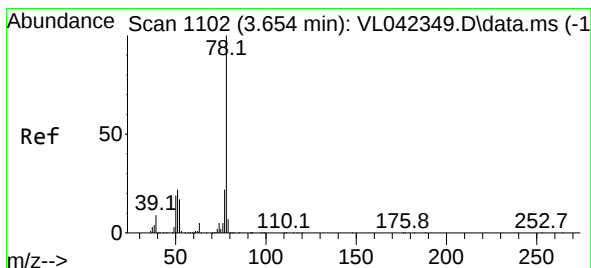
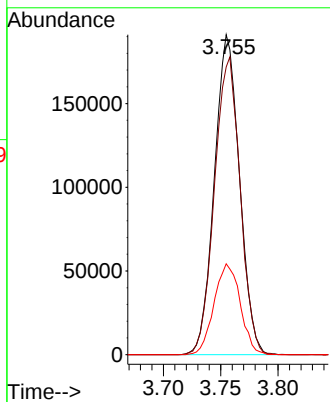
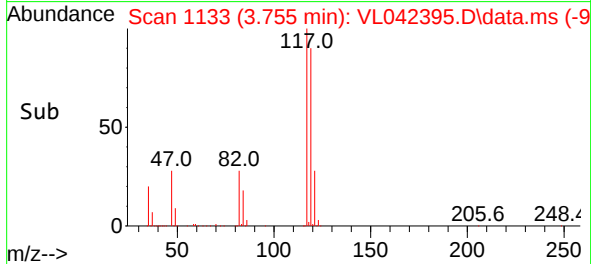
Instrument : MSVOA_L
ClientSampleId : VSTDCCC010



Tgt Ion:117 Resp: 291229
Ion Ratio Lower Upper
117 100
119 89.9 80.5 120.7
121 28.4 24.2 36.2

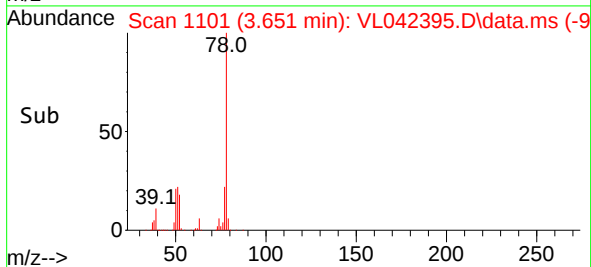
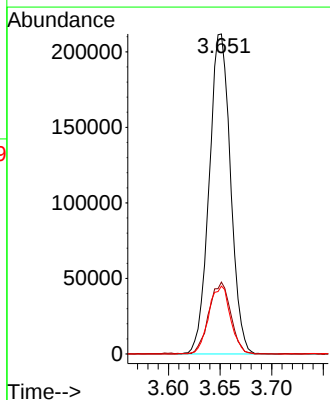
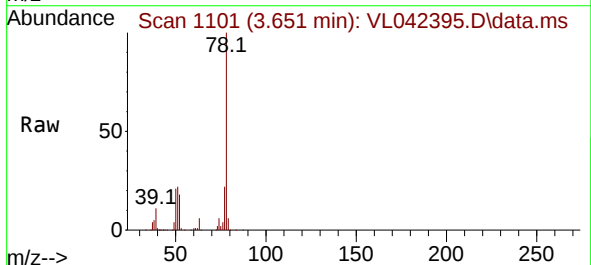
Manual Integrations
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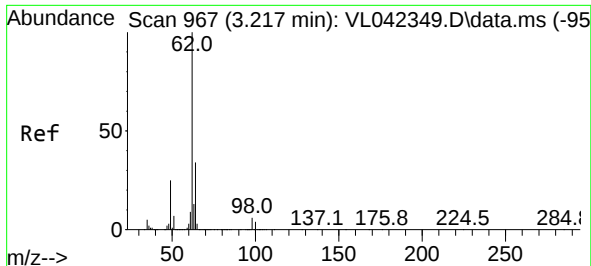
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#36
Benzene
Concen: 8.420 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Tgt Ion: 78 Resp: 303987
Ion Ratio Lower Upper
78 100
77 22.5 17.4 26.0
50 21.2 15.5 23.3





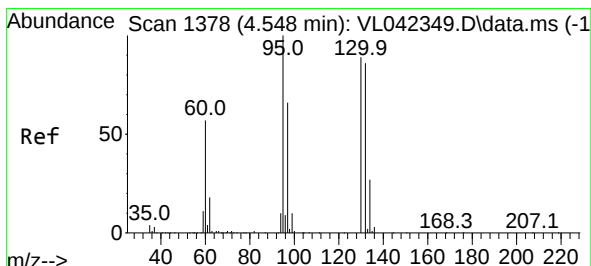
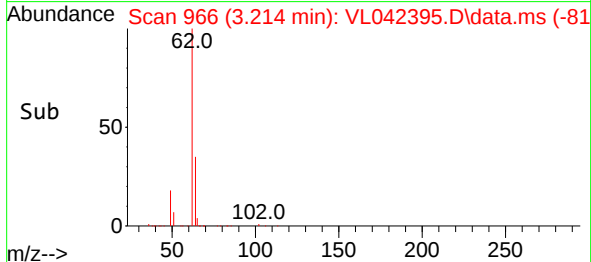
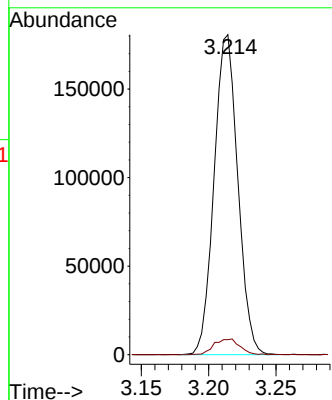
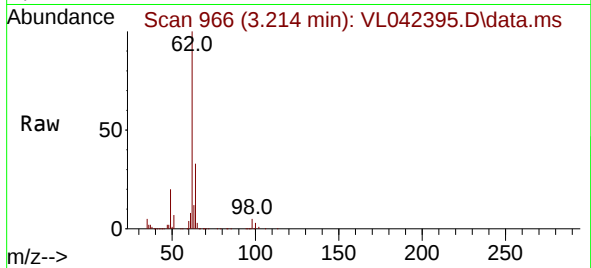
#37
1,2-Dichloroethane
Concen: 10.206 ppbv
RT: 3.214 min Scan# 966
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 22115
Ion Ratio Lower Upper
62 100
98 5.4 5.1 7.7

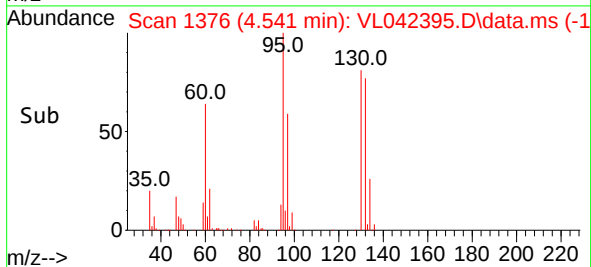
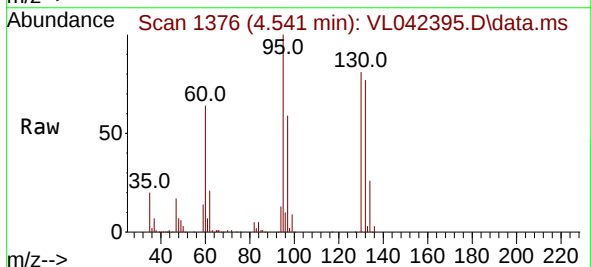
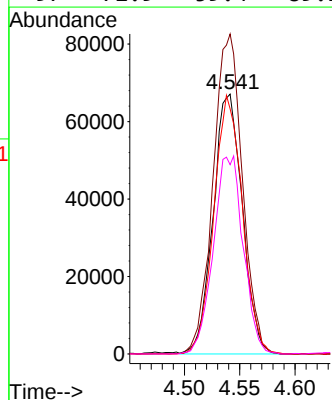
Manual Integrations
APPROVED

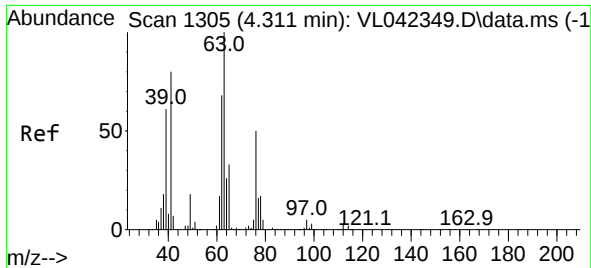
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#38
Trichloroethene
Concen: 7.804 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Tgt Ion:130 Resp: 123150
Ion Ratio Lower Upper
130 100
95 123.2 89.8 134.6
132 94.2 77.7 116.5
97 72.9 59.4 89.2





#39

1,2-Dichloropropane

Concen: 8.018 ppbv

RT: 4.305 min Scan# 1305

Delta R.T. -0.006 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 10787

Ion Ratio Lower Upper

63 100

41 97.2 64.2 96.2

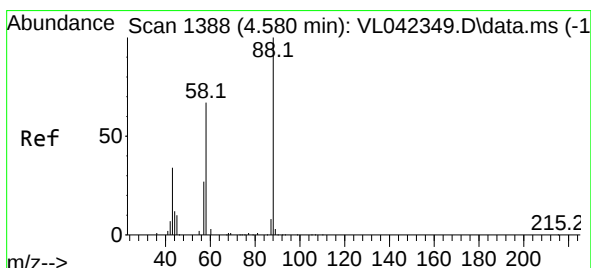
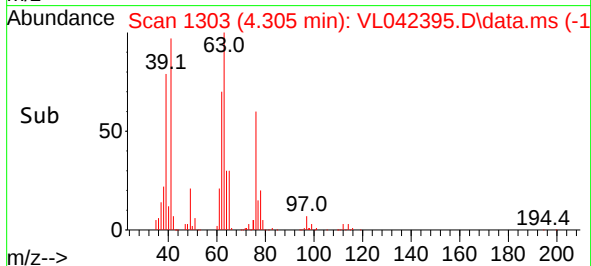
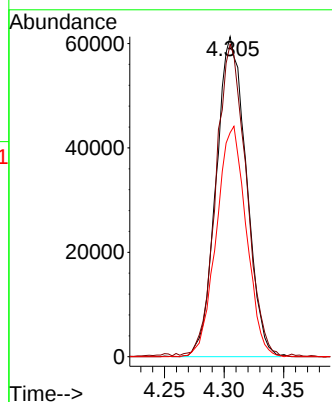
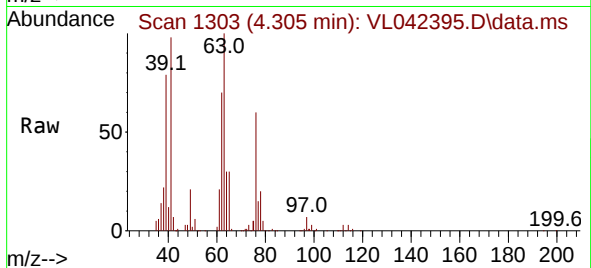
62 70.0 54.3 81.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#40

1,4-Dioxane

Concen: 7.286 ppbv

RT: 4.574 min Scan# 1386

Delta R.T. -0.006 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

Tgt Ion: 88 Resp: 53874

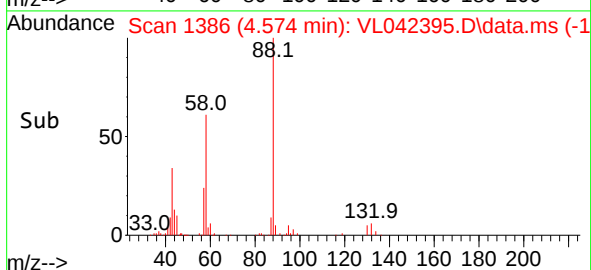
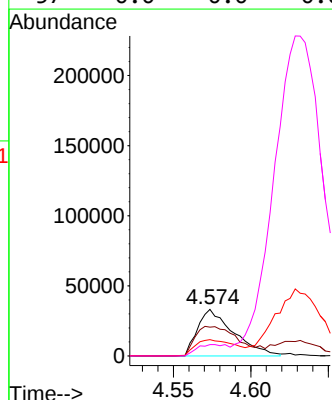
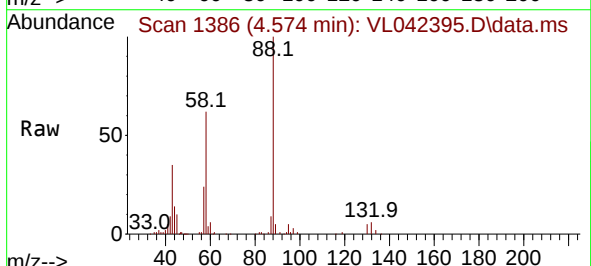
Ion Ratio Lower Upper

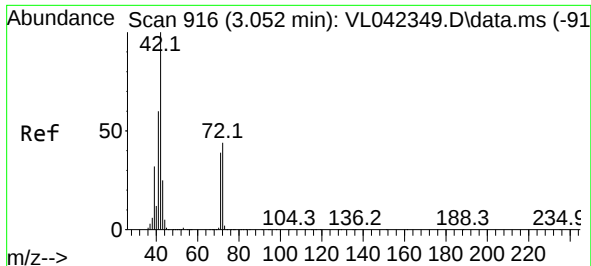
88 100

58 75.5 61.4 92.0

43 38.4 23.2 34.8

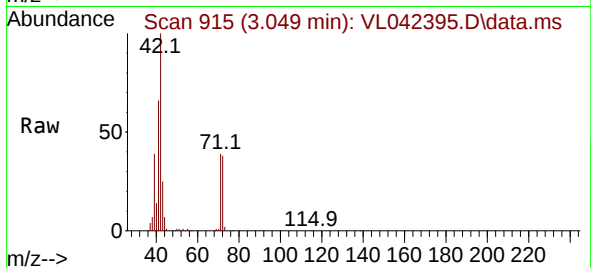
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 7.701 ppbv
RT: 3.049 min Scan# 916
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

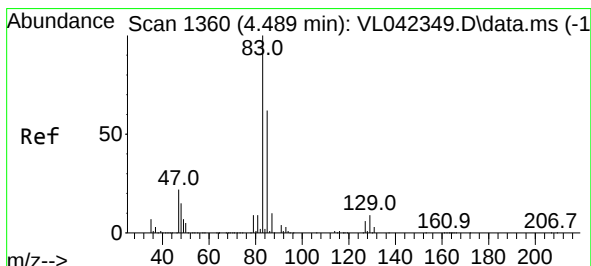
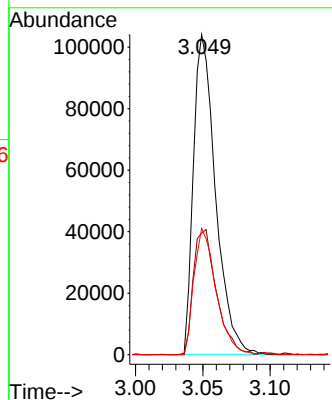
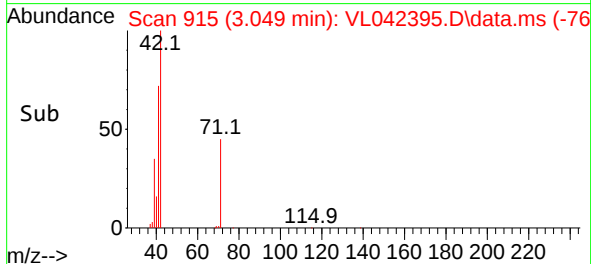
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



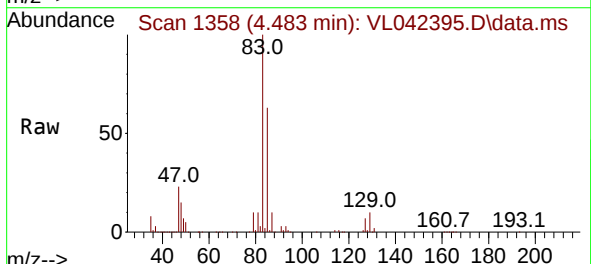
Tgt Ion: 42 Resp: 11886
Ion Ratio Lower Upper
42 100
72 40.8 32.3 48.5
71 39.8 31.4 47.2

Manual Integrations
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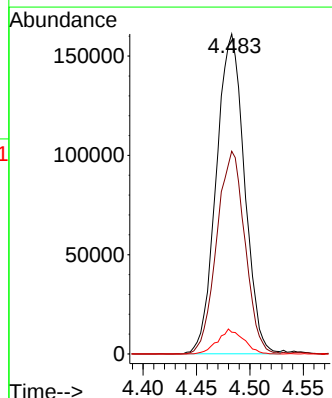
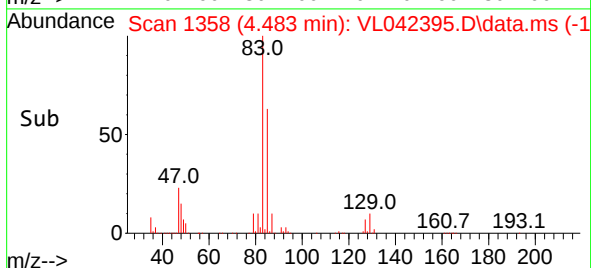
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

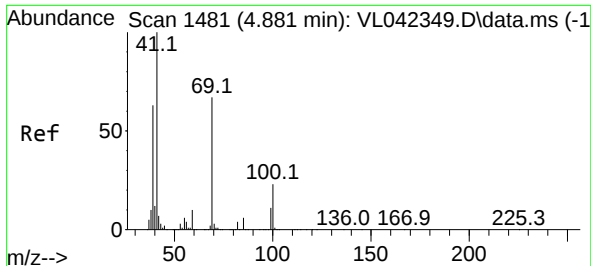


#42
Bromodichloromethane
Concen: 9.800 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



Tgt Ion: 83 Resp: 295552
Ion Ratio Lower Upper
83 100
85 63.4 49.7 74.5
127 6.8 5.1 7.7





#43

Methyl Methacrylate

Concen: 7.667 ppbv

RT: 4.875 min Scan# 1479

Delta R.T. -0.006 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

Instrument :

MSVOA_L

ClientSampleId :

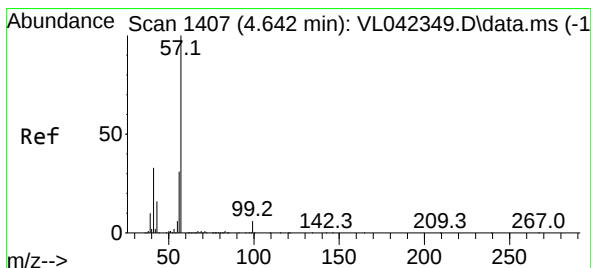
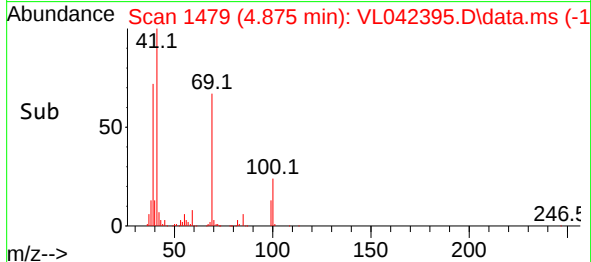
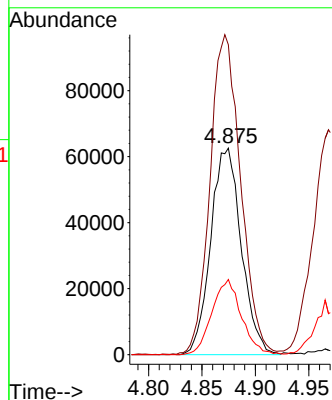
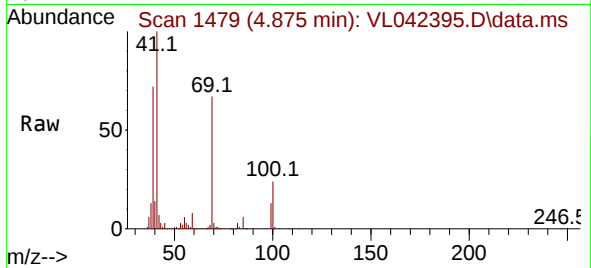
VSTDCCC010

Tgt Ion:	69	Resp:	12474
Ion	Ratio	Lower	Upper
69	100		
41	155.5	118.6	177.8
100	35.1	28.2	42.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#44

2,2,4-Trimethylpentane

Concen: 8.138 ppbv

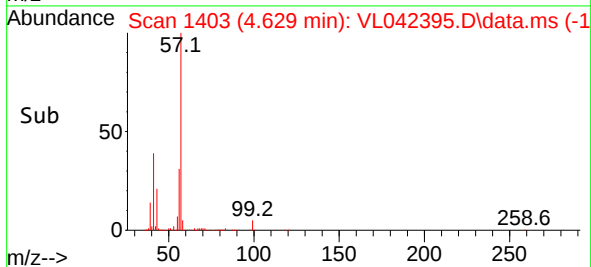
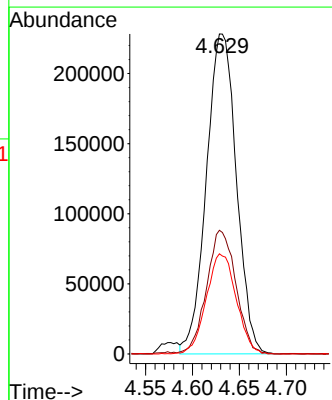
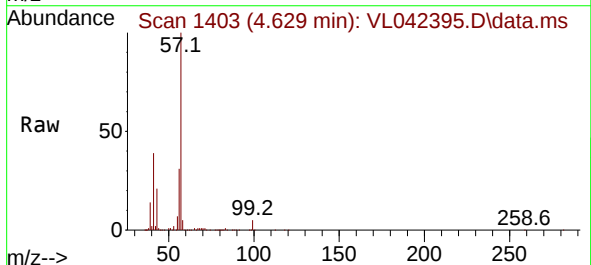
RT: 4.629 min Scan# 1403

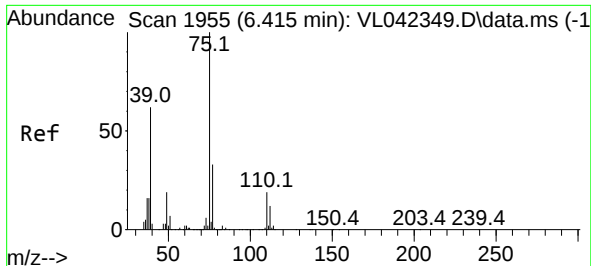
Delta R.T. -0.013 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

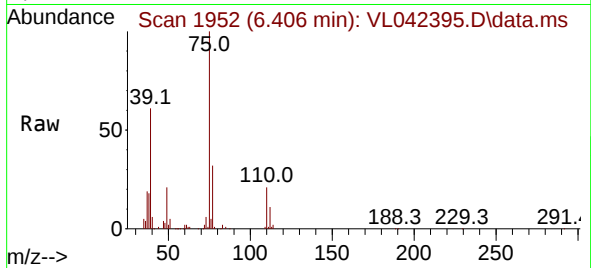
Tgt Ion:	57	Resp:	507437
Ion	Ratio	Lower	Upper
57	100		
41	38.3	27.2	40.8
56	31.2	25.7	38.5





#45
 t-1,3-Dichloropropene
 Concen: 8.596 ppbv
 RT: 6.406 min Scan# 1955
 Delta R.T. -0.010 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

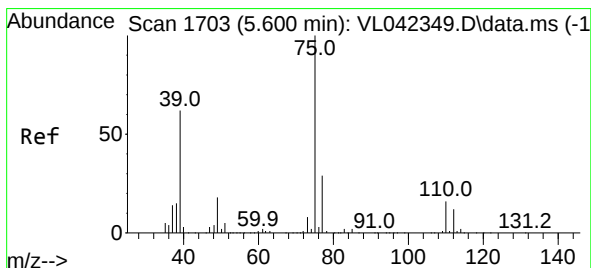
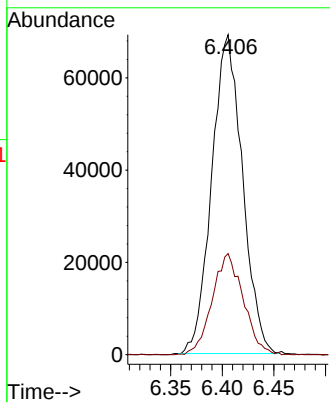
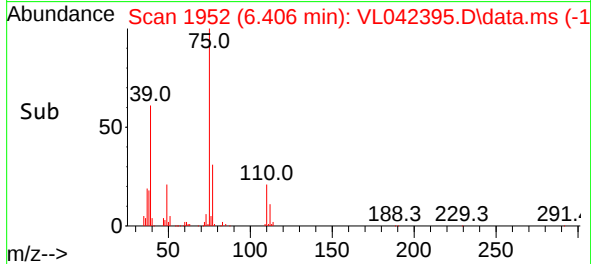
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 75 Resp: 142879
 Ion Ratio Lower Upper
 75 100
 77 31.6 27.0 40.6

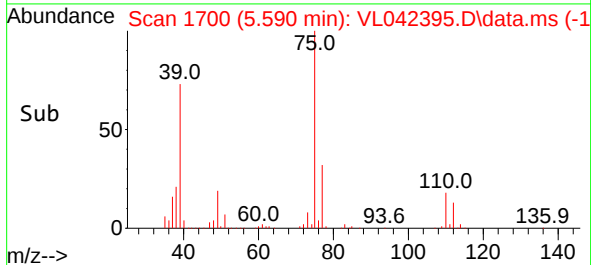
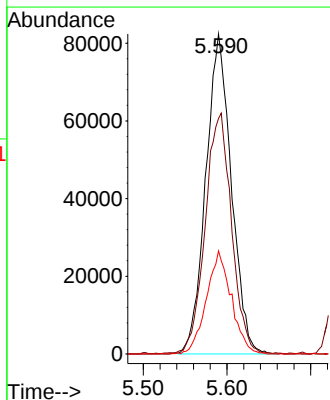
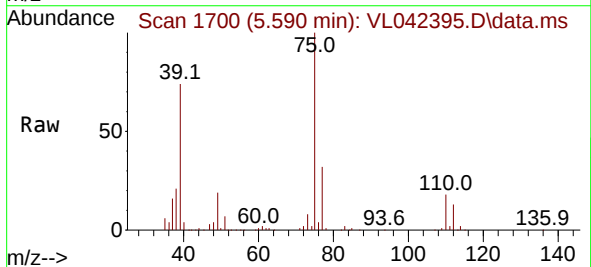
Manual Integrations
 APPROVED

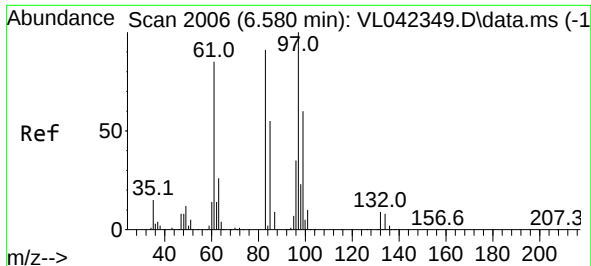
Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025



#46
 cis-1,3-Dichloropropene
 Concen: 8.595 ppbv
 RT: 5.590 min Scan# 1700
 Delta R.T. -0.010 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

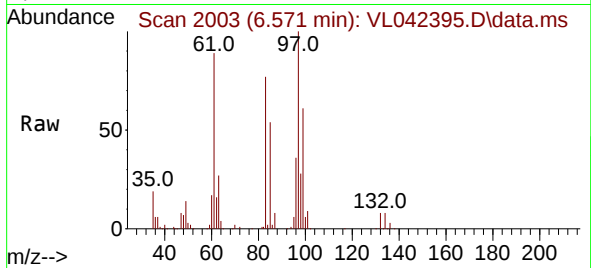
Tgt Ion: 75 Resp: 174844
 Ion Ratio Lower Upper
 75 100
 39 73.4 50.0 75.0
 77 32.2 23.0 34.6





#47
1,1,2-Trichloroethane
Concen: 8.711 ppbv
RT: 6.571 min Scan# 2003
Delta R.T. -0.010 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

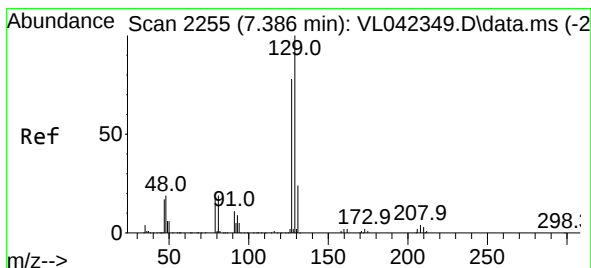
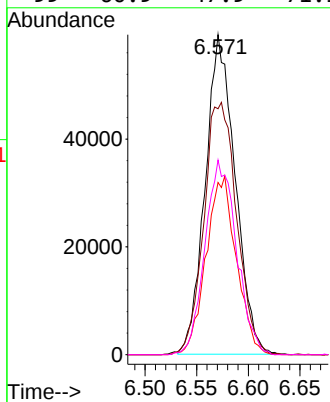
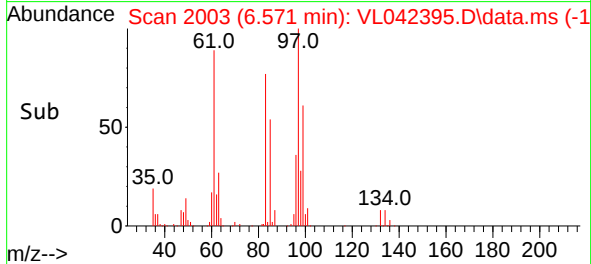
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 97 Resp: 119399
Ion Ratio Lower Upper
97 100
83 76.6 72.8 109.2
85 53.8 44.2 66.4
99 60.9 47.9 71.9

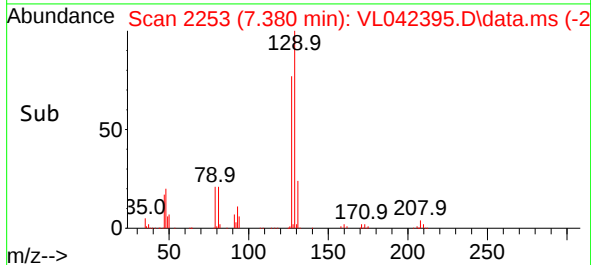
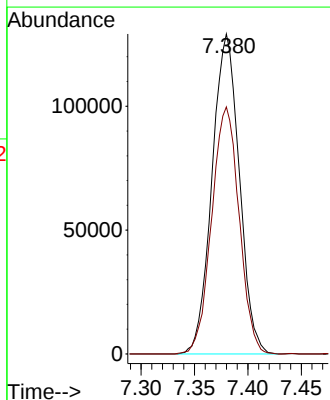
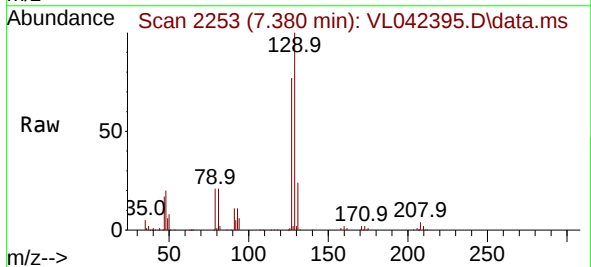
Manual Integrations
APPROVED

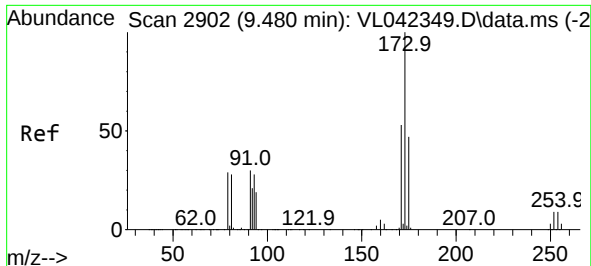
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#48
Dibromochloromethane
Concen: 9.476 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

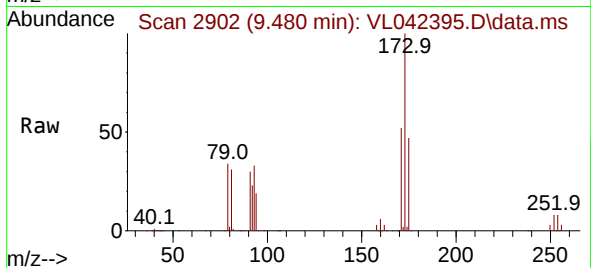
Tgt Ion:129 Resp: 229466
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.3





#49
Bromoform
Concen: 8.836 ppbv
RT: 9.480 min Scan# 2902
Delta R.T. 0.000 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

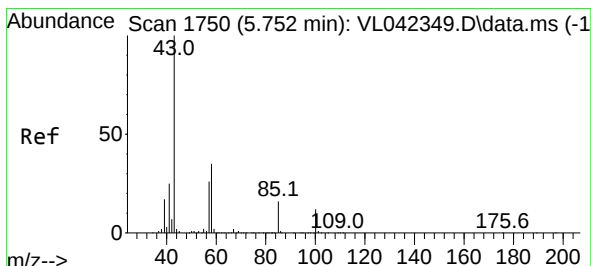
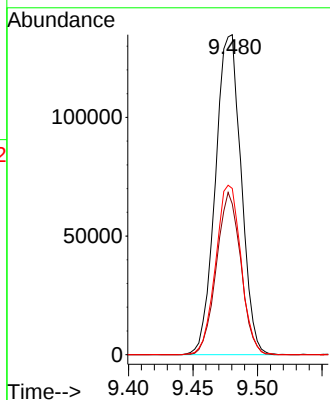
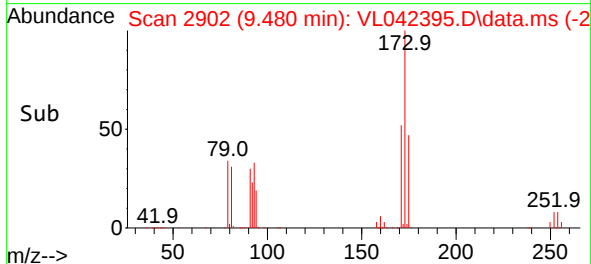
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



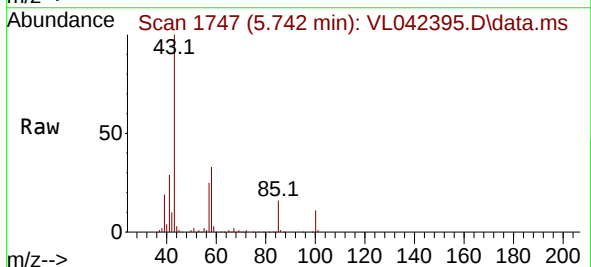
Tgt Ion: 173 Resp: 187094
Ion Ratio Lower Upper
173 100
175 48.0 38.2 57.2
171 52.0 40.9 61.3

Manual Integrations
APPROVED

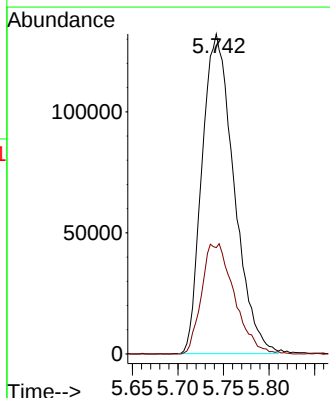
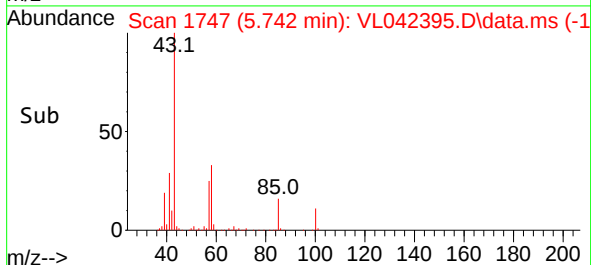
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

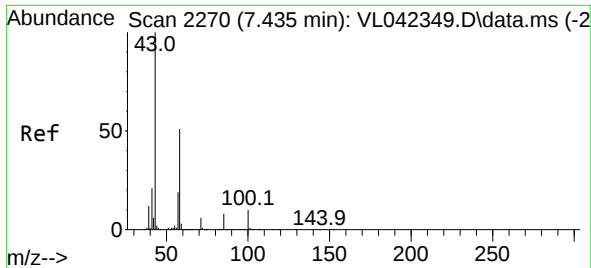


#50
4-Methyl-2-Pentanone
Concen: 7.314 ppbv
RT: 5.742 min Scan# 1747
Delta R.T. -0.010 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



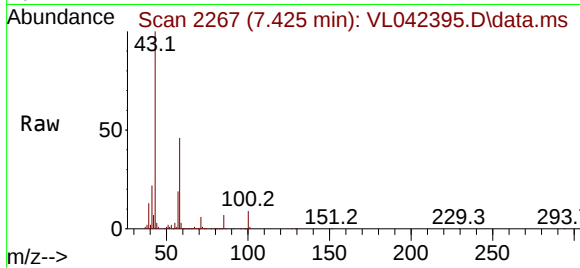
Tgt Ion: 43 Resp: 321752
Ion Ratio Lower Upper
43 100
58 35.3 28.6 43.0





#51
2-Hexanone
Concen: 6.590 ppbv
RT: 7.425 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

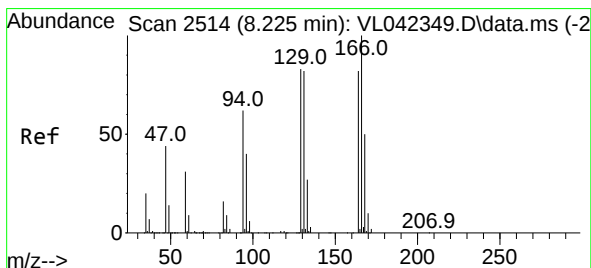
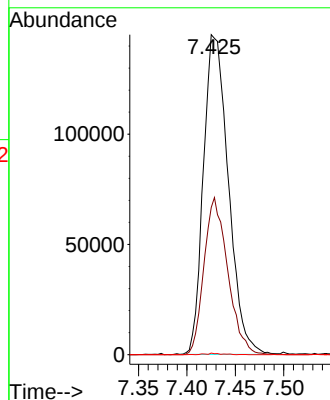
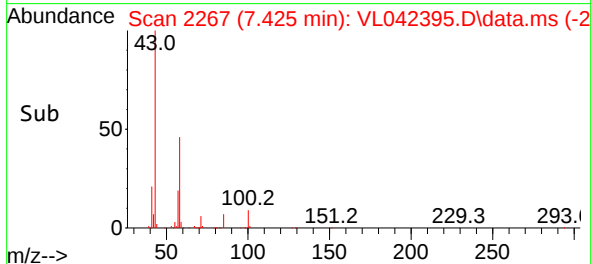
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 260009
Ion Ratio Lower Upper
43 100
58 46.9 40.2 60.4
98 0.3 0.1 0.1

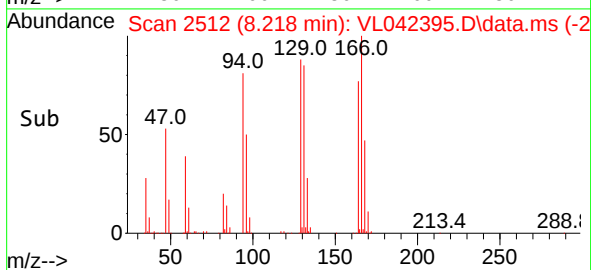
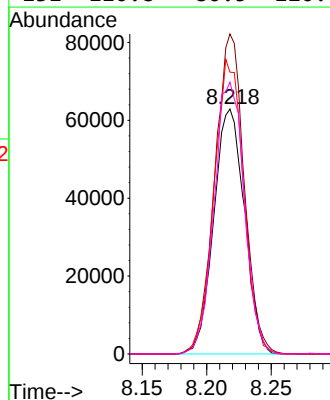
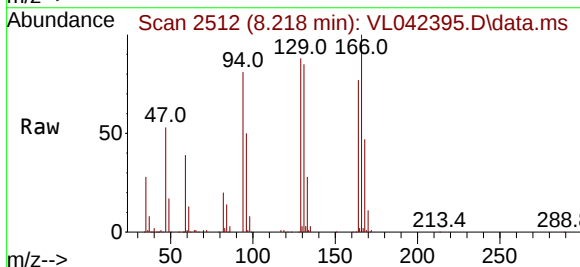
Manual Integrations
APPROVED

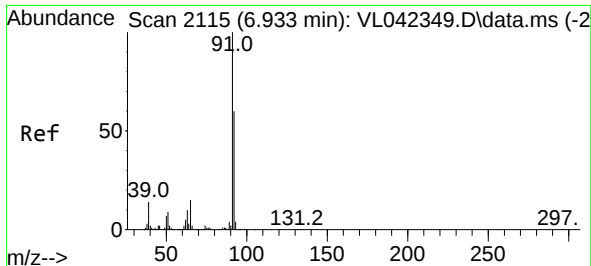
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#52
Tetrachloroethene
Concen: 7.474 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Tgt Ion:164 Resp: 104294
Ion Ratio Lower Upper
164 100
166 130.4 98.2 147.2
129 114.9 81.8 122.8
131 110.8 80.5 120.7





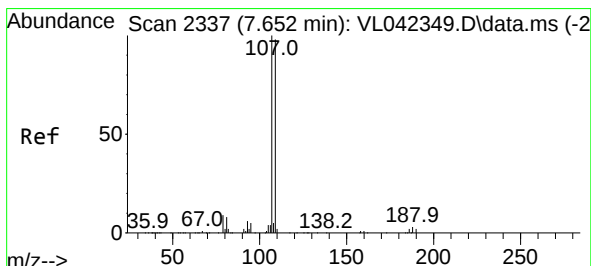
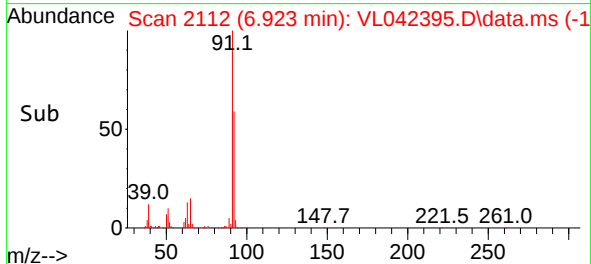
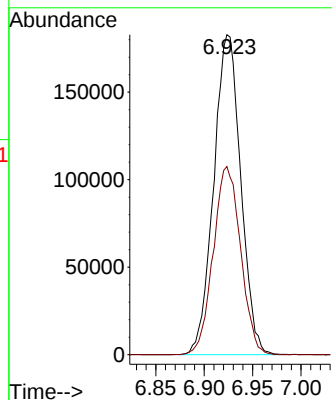
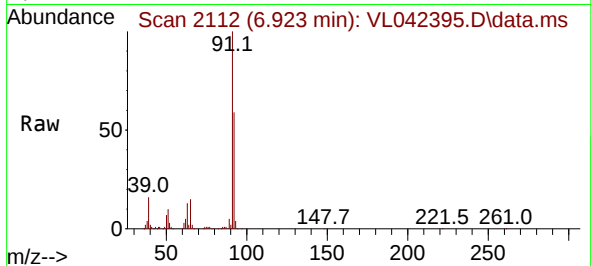
#53
Toluene
Concen: 8.206 ppbv
RT: 6.923 min Scan# 2115
Delta R.T. -0.010 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 355540
Ion Ratio Lower Upper
91 100
92 59.5 48.2 72.4

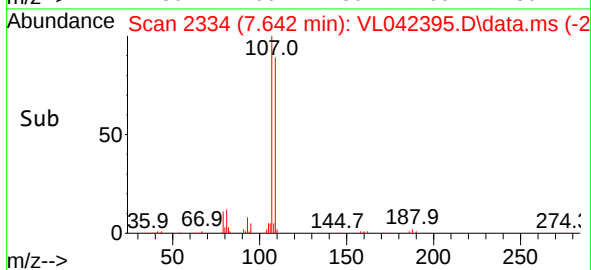
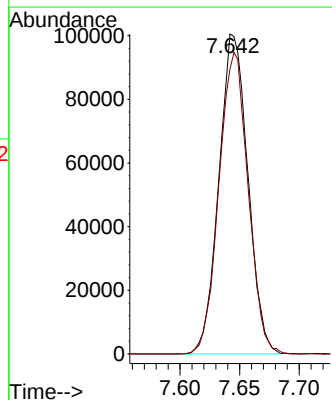
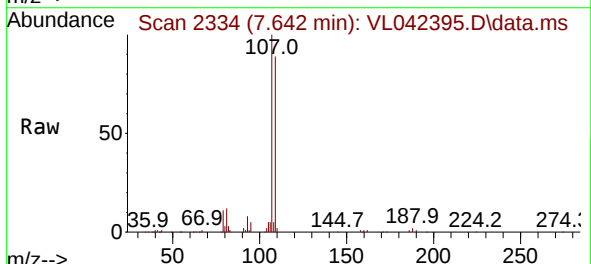
Manual Integrations
APPROVED

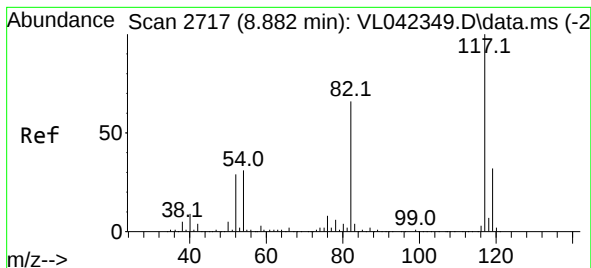
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#54
1,2-Dibromoethane
Concen: 8.654 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. -0.010 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Tgt Ion:107 Resp: 169774
Ion Ratio Lower Upper
107 100
109 89.0 78.2 117.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 2716

Delta R.T. -0.006 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

Instrument :

MSVOA_L

ClientSampleId :

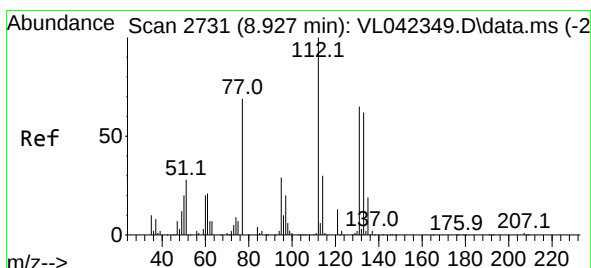
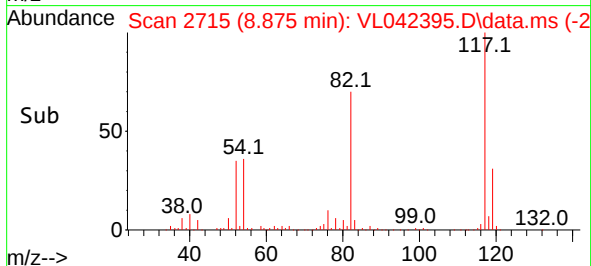
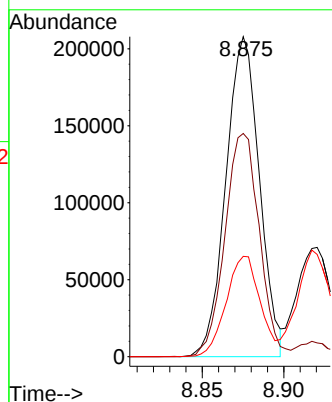
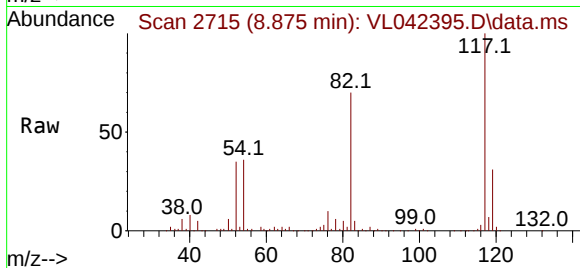
VSTDCCC010

Tgt Ion:	117	Resp:	29716
Ion Ratio	Lower	Upper	
117	100		
82	76.0	57.8	86.6
119	33.4	25.2	37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 9.468 ppbv

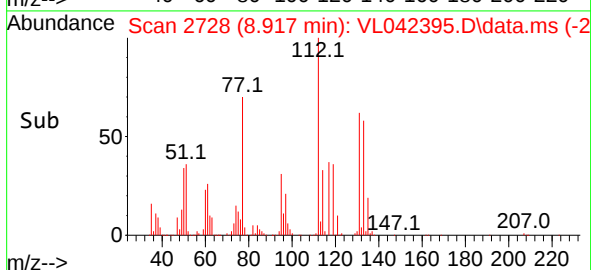
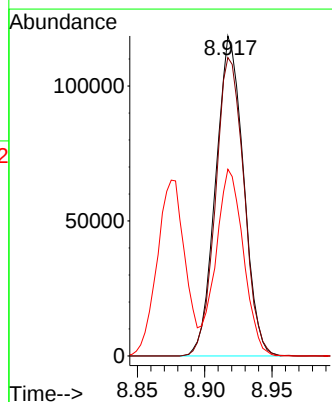
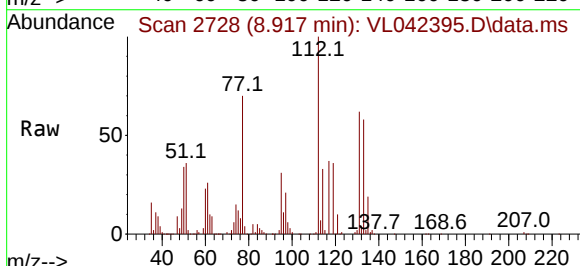
RT: 8.917 min Scan# 2728

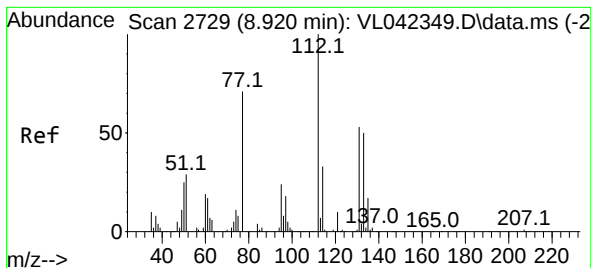
Delta R.T. -0.010 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

Tgt Ion:	131	Resp:	170285
Ion Ratio	Lower	Upper	
131	100		
133	95.2	78.3	117.5
119	57.3	48.7	73.1





#57

Chlorobenzene

Concen: 8.944 ppbv

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 112 Resp: 276428

Ion Ratio Lower Upper

112 100

77 69.6 57.8 86.6

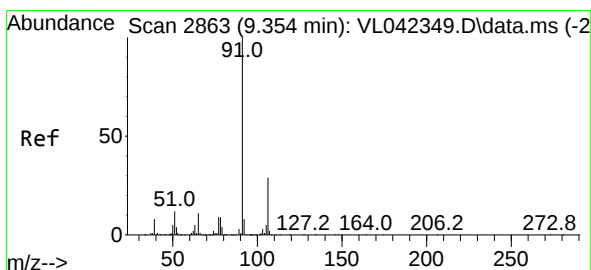
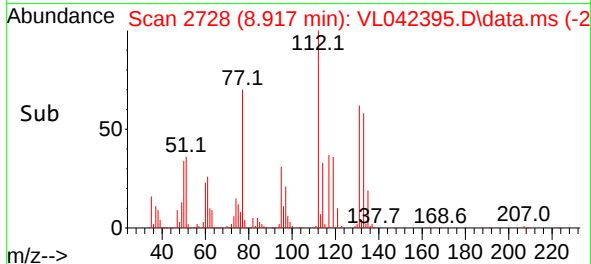
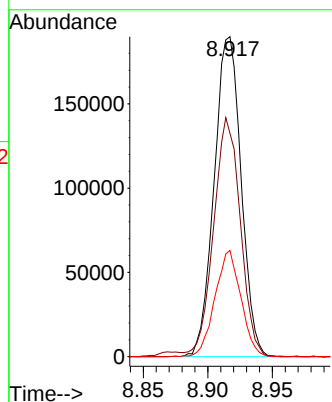
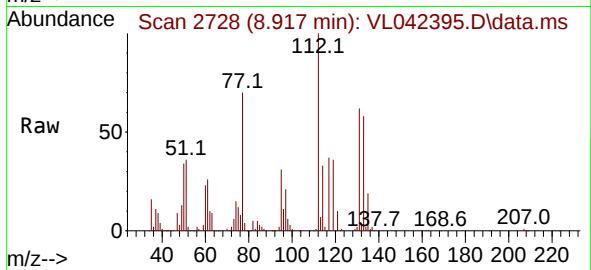
114 33.2 29.3 35.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#58

Ethyl Benzene

Concen: 8.797 ppbv

RT: 9.348 min Scan# 2861

Delta R.T. -0.006 min

Lab File: VL042395.D

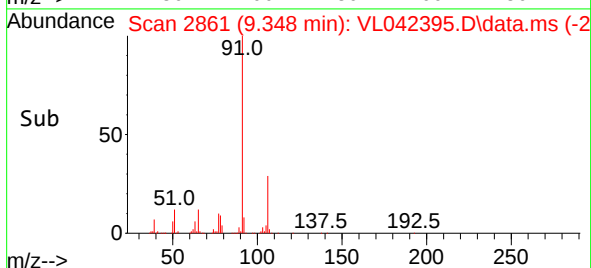
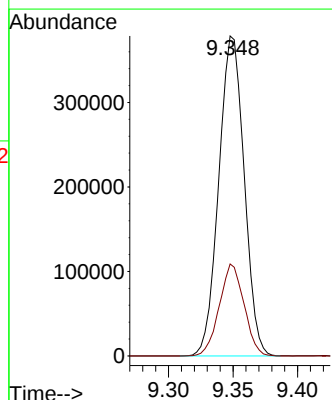
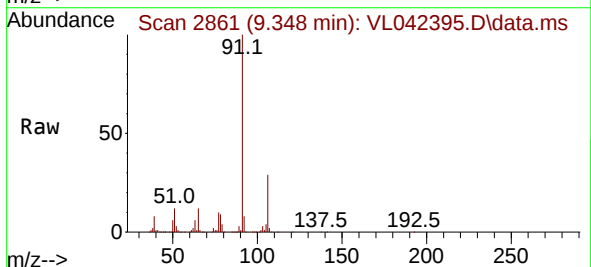
Acq: 21 Apr 2025 08:41

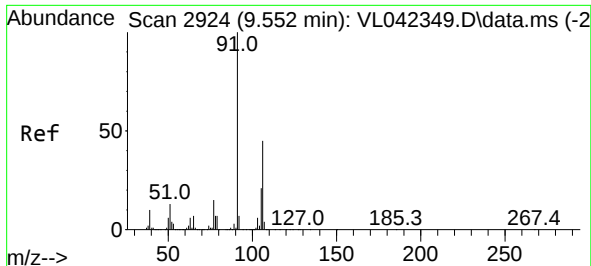
Tgt Ion: 91 Resp: 517937

Ion Ratio Lower Upper

91 100

106 28.7 23.0 34.4





#59

m/p-Xylene

Concen: 17.868 ppbv m

RT: 9.545 min Scan# 29

Delta R.T. -0.006 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 84745

Ion Ratio Lower Upper

91 100

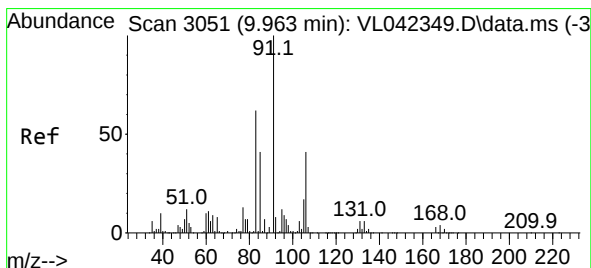
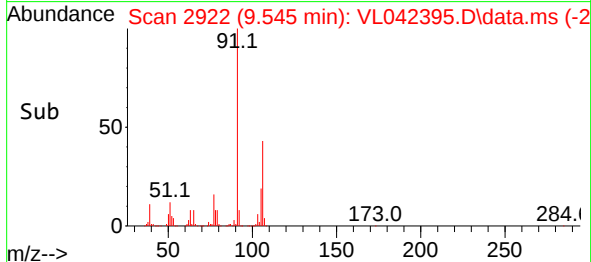
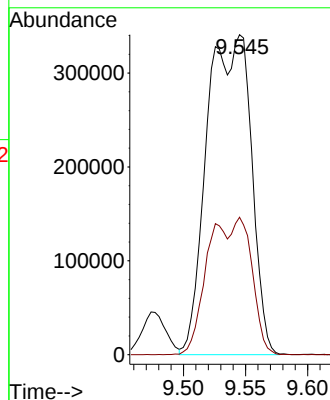
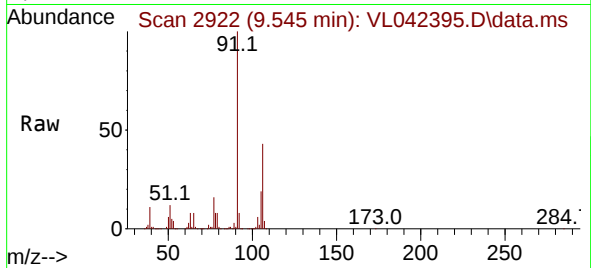
106 42.4 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#60

o-Xylene

Concen: 9.078 ppbv

RT: 9.959 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VL042395.D

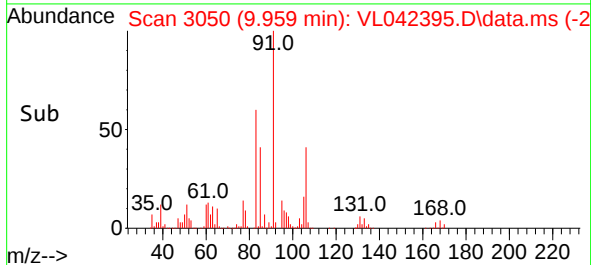
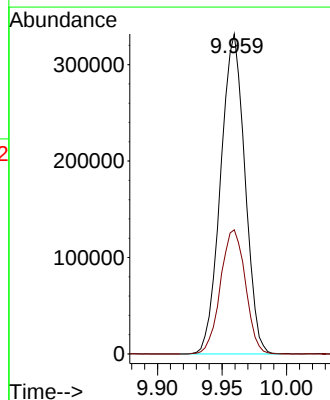
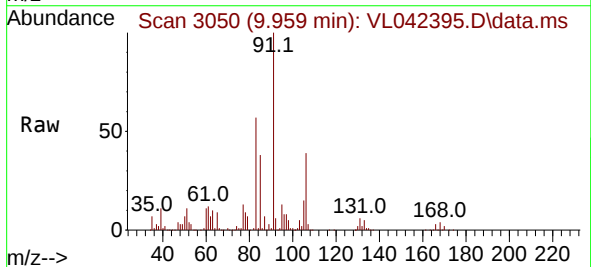
Acq: 21 Apr 2025 08:41

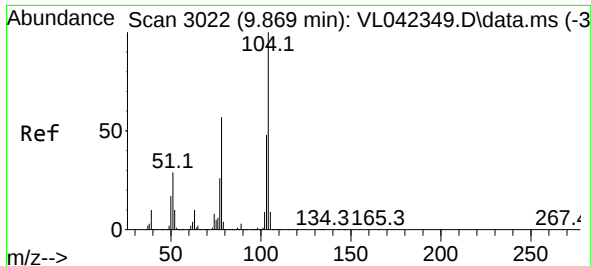
Tgt Ion: 91 Resp: 433569

Ion Ratio Lower Upper

91 100

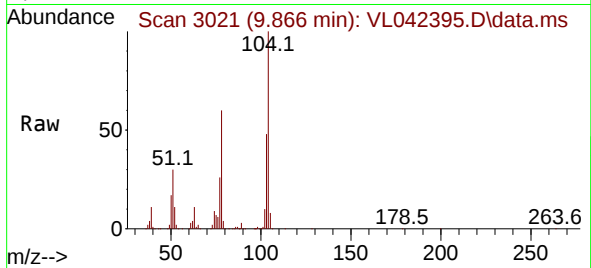
106 39.9 21.1 63.4





#61
Styrene
Concen: 8.454 ppbv
RT: 9.866 min Scan# 3022
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

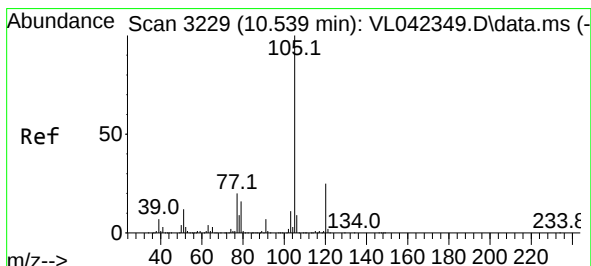
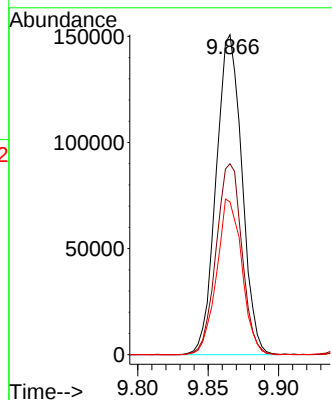
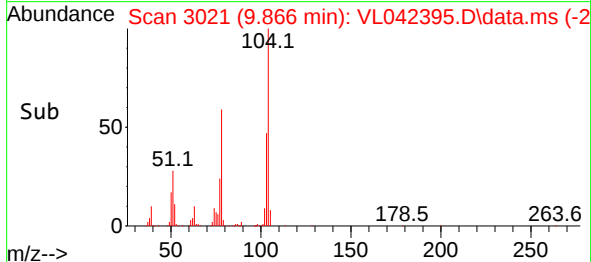
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



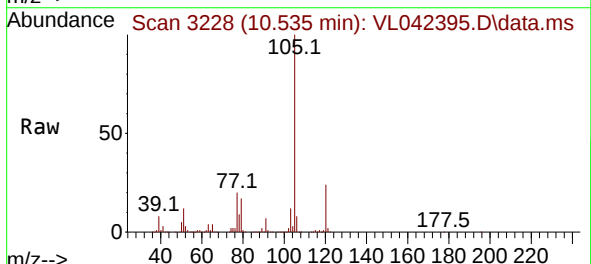
Tgt Ion:104 Resp: 192729
Ion Ratio Lower Upper
104 100
78 59.7 44.6 66.8
103 47.7 37.4 56.0

Manual Integrations
APPROVED

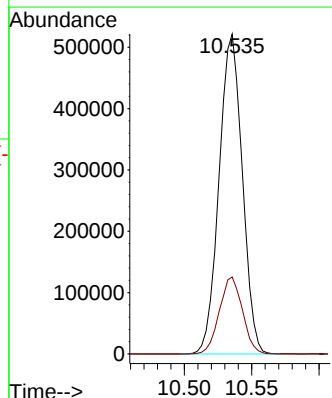
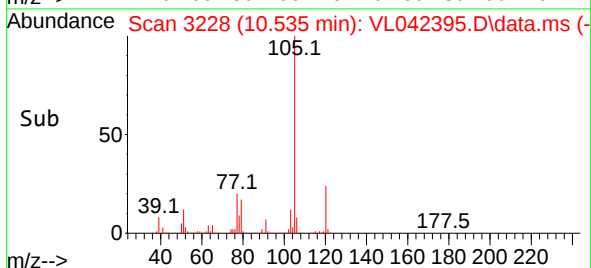
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

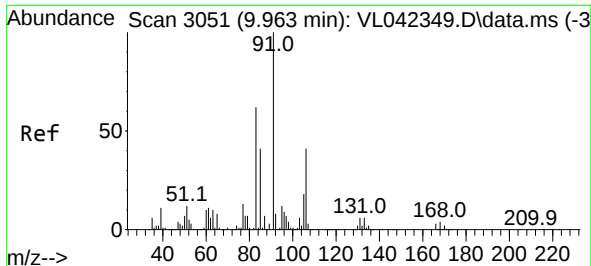


#62
Isopropylbenzene
Concen: 8.920 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



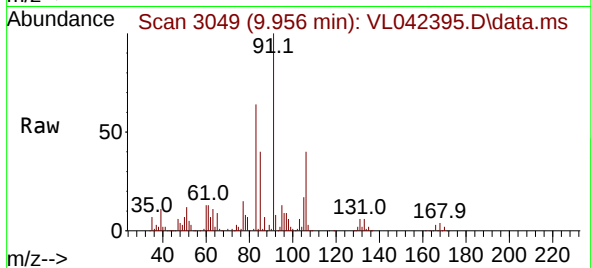
Tgt Ion:105 Resp: 625514
Ion Ratio Lower Upper
105 100
120 23.9 19.8 29.8





#63
1,1,2,2-Tetrachloroethane
Concen: 8.085 ppbv
RT: 9.956 min Scan# 3051
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

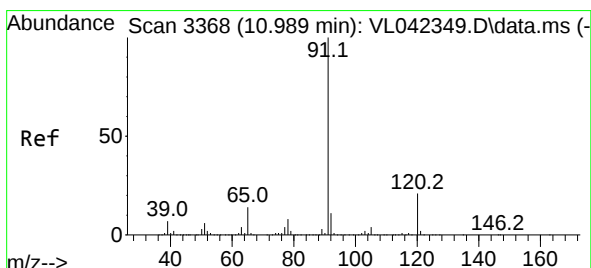
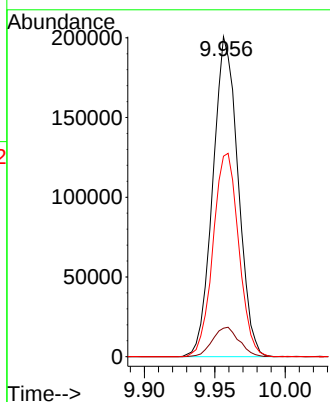
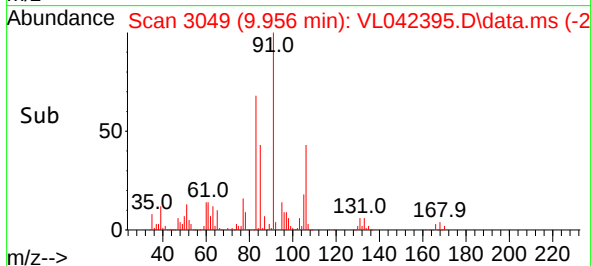
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



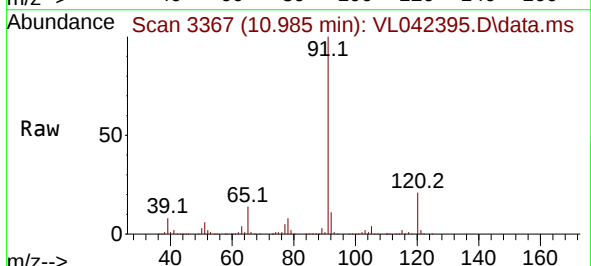
Tgt Ion: 83 Resp: 250238
Ion Ratio Lower Upper
83 100
131 9.7 4.5 13.7
85 64.8 32.4 97.0

Manual Integrations
APPROVED

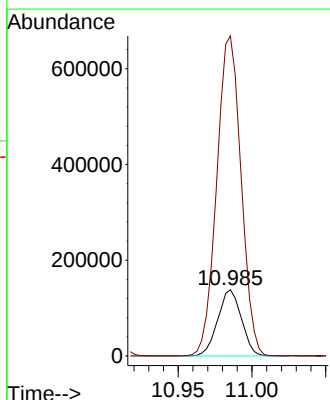
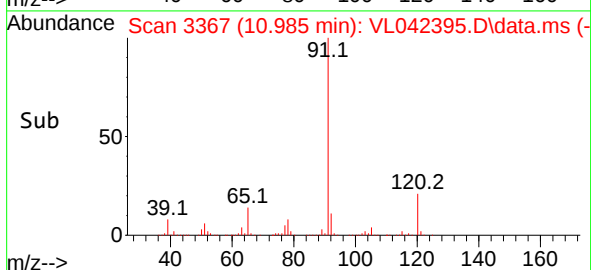
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

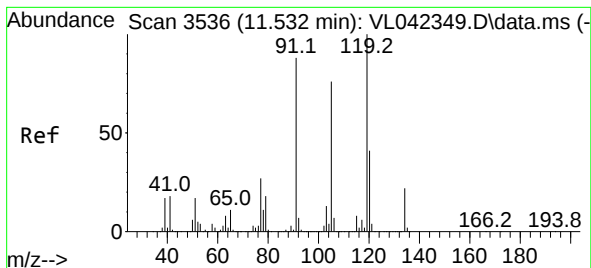


#64
n-propylbenzene
Concen: 8.744 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



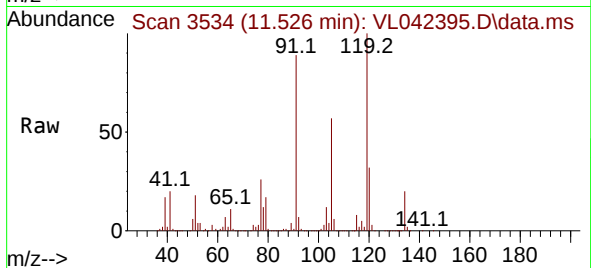
Tgt Ion:120 Resp: 154114
Ion Ratio Lower Upper
120 100
91 499.0 392.4 588.6





#65
tert-Butylbenzene
Concen: 8.853 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

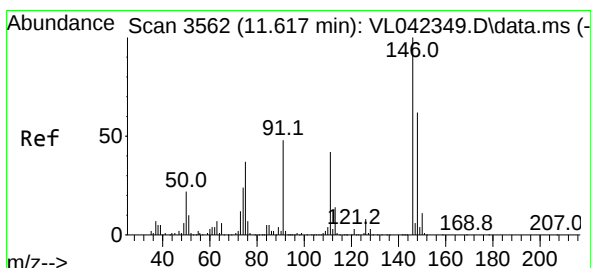
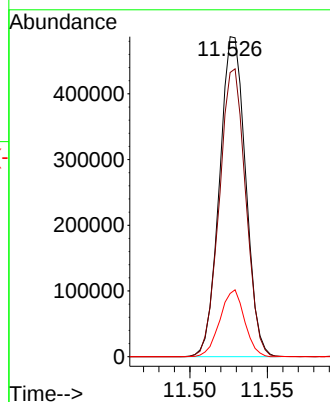
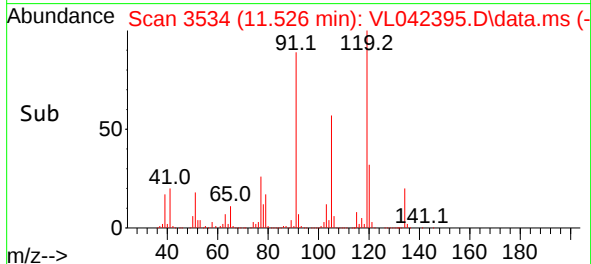
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



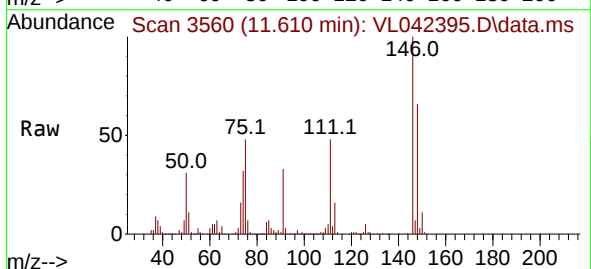
Tgt Ion: 119 Resp: 570548
Ion Ratio Lower Upper
119 100
91 90.6 74.6 111.8
134 19.7 18.8 28.2

Manual Integrations
APPROVED

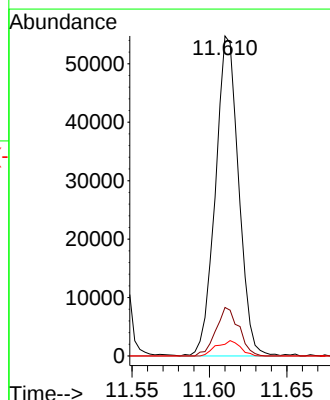
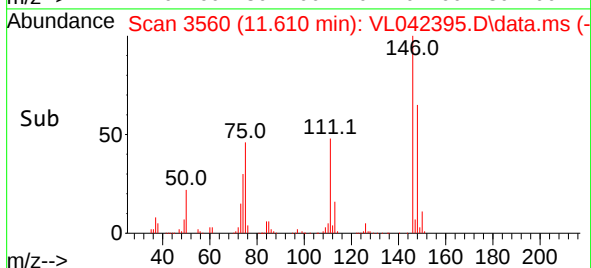
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

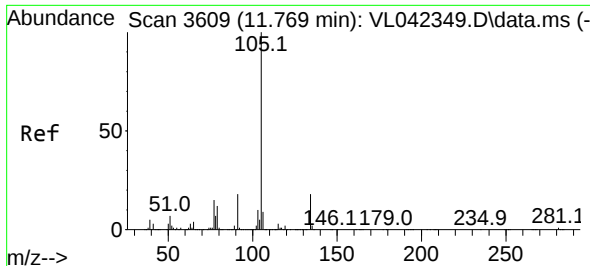


#66
Benzyl Chloride
Concen: 8.061 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



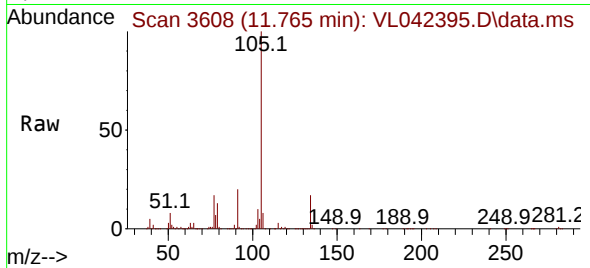
Tgt Ion: 91 Resp: 57090
Ion Ratio Lower Upper
91 100
126 14.9 11.8 17.6
128 4.9 4.5 6.7





#67
 sec-Butylbenzene
 Concen: 8.899 ppbv
 RT: 11.765 min Scan# 3608
 Delta R.T. -0.003 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

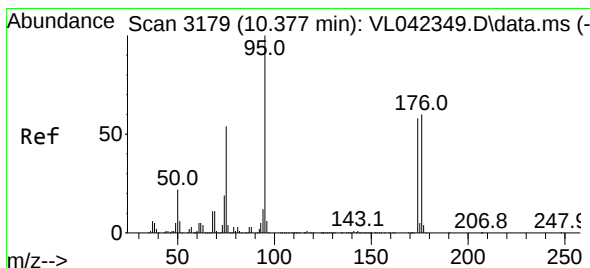
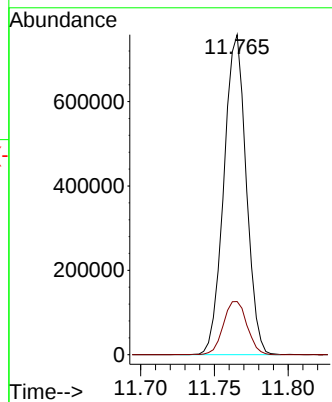
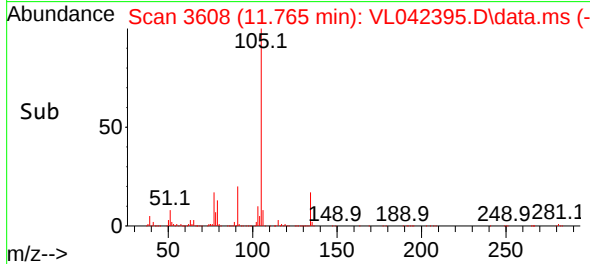
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:105 Resp: 797738
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.6 21.8

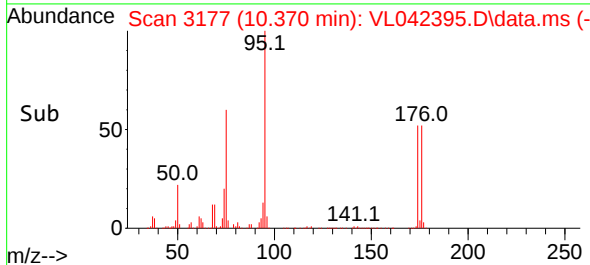
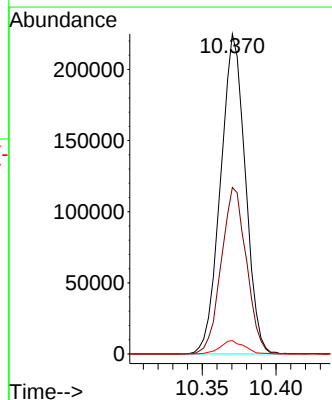
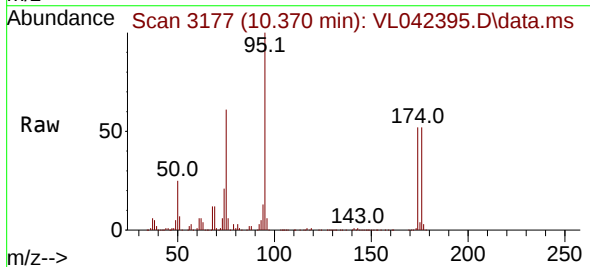
Manual Integrations
 APPROVED

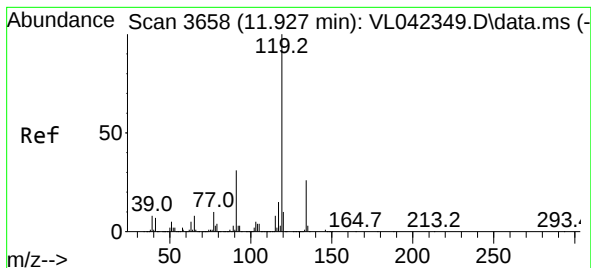
Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.736 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. -0.006 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

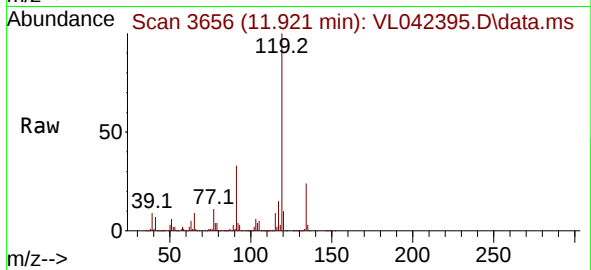
Tgt Ion: 95 Resp: 262155
 Ion Ratio Lower Upper
 95 100
 174 53.0 48.5 72.7
 175 4.1 3.7 5.5





#69
p-Isopropyltoluene
Concen: 8.789 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

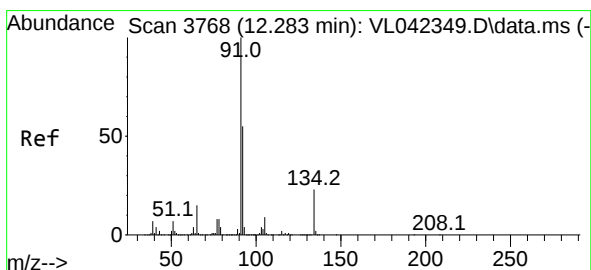
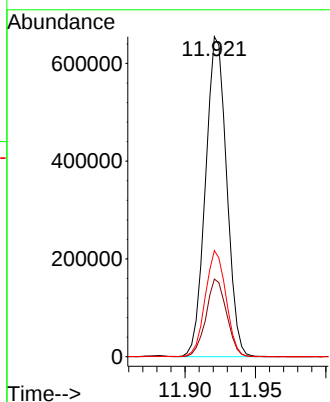
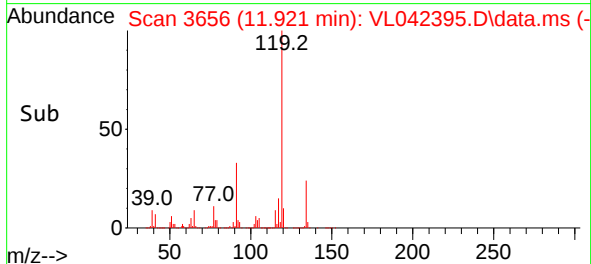
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



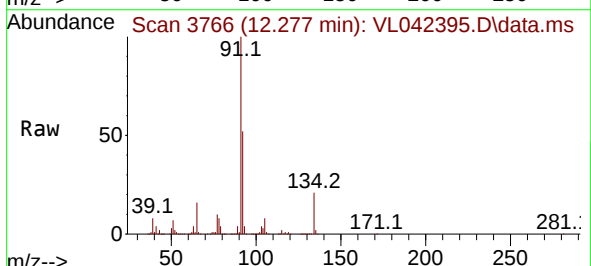
Tgt Ion: 119 Resp: 68448
Ion Ratio Lower Upper
119 100
134 23.7 20.0 30.0
91 32.7 24.4 36.6

Manual Integrations
APPROVED

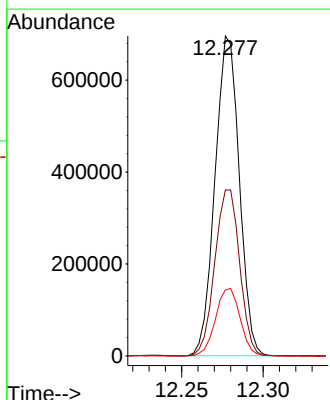
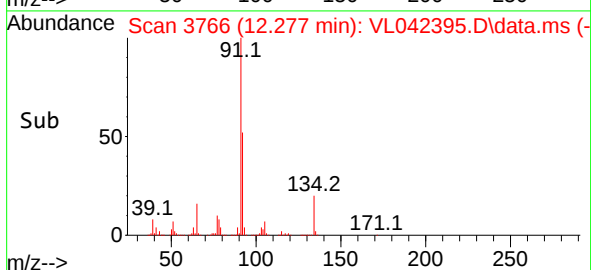
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

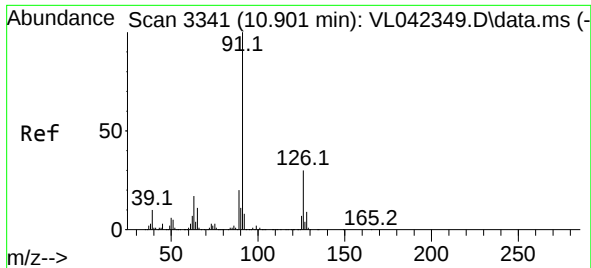


#70
n-Butylbenzene
Concen: 8.877 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



Tgt Ion: 91 Resp: 720062
Ion Ratio Lower Upper
91 100
92 53.5 44.2 66.4
134 21.4 18.2 27.4





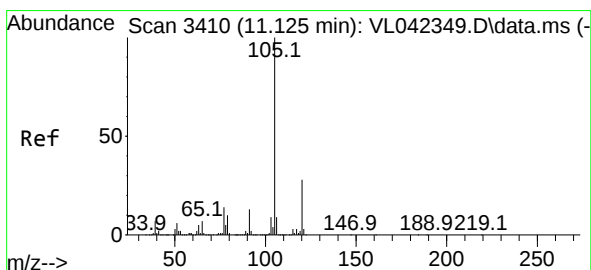
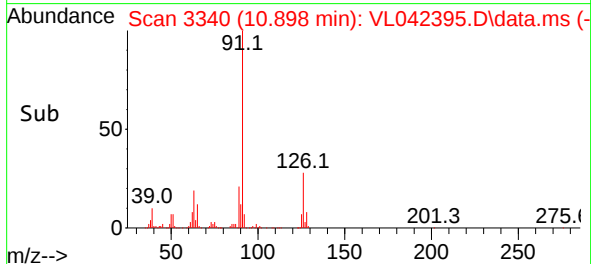
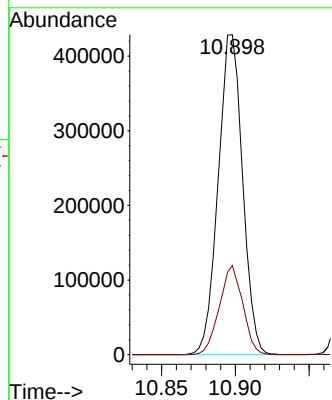
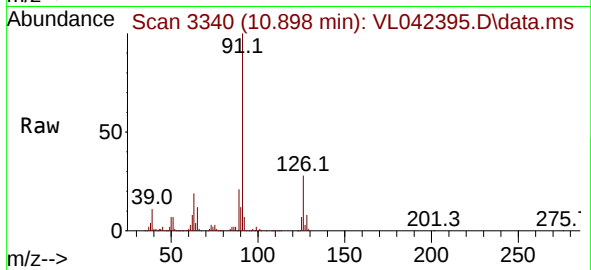
#71
2-Chlorotoluene
Concen: 8.967 ppbv
RT: 10.898 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 493192
Ion Ratio Lower Upper
91 100
126 26.6 11.4 45.4

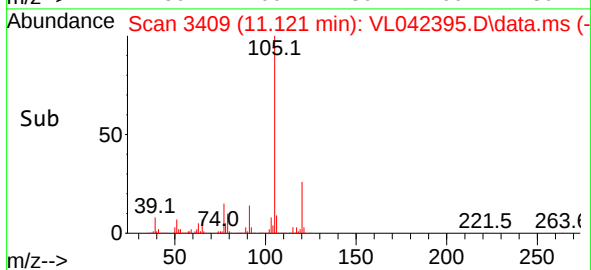
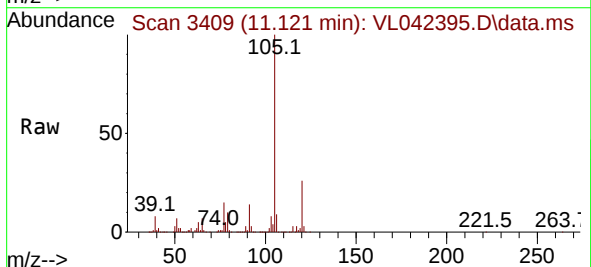
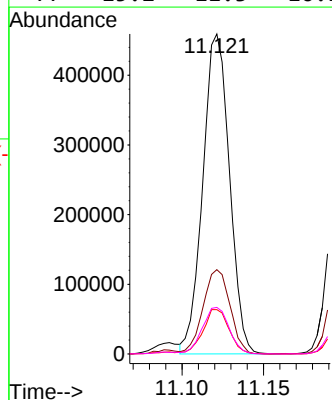
Manual Integrations
APPROVED

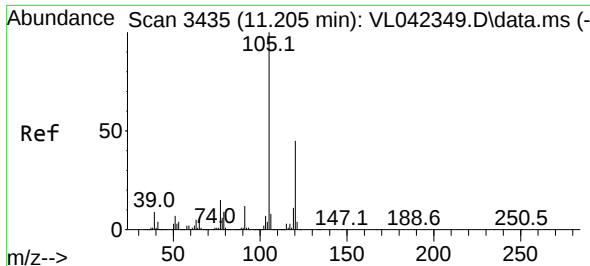
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#72
4-Ethyltoluene
Concen: 8.929 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Tgt Ion:105 Resp: 521390
Ion Ratio Lower Upper
105 100
120 27.8 23.2 34.8
91 14.3 10.4 15.6
77 15.2 11.3 16.9





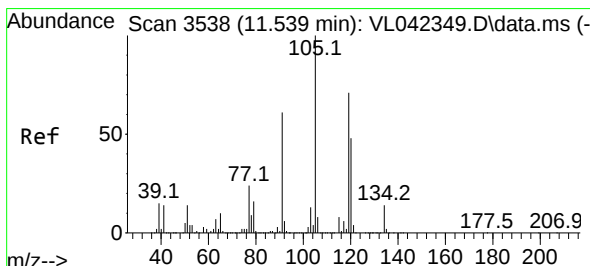
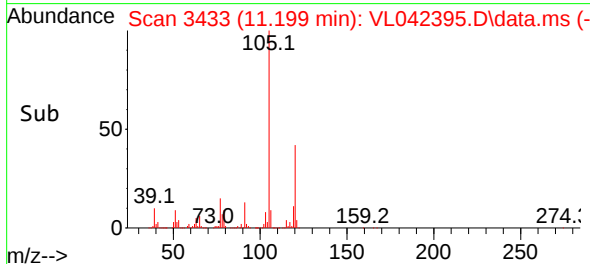
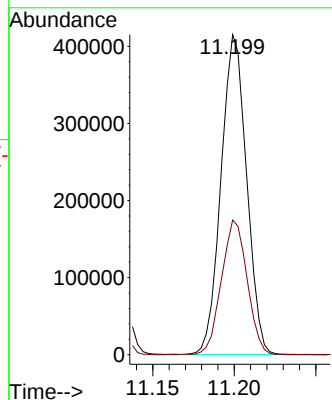
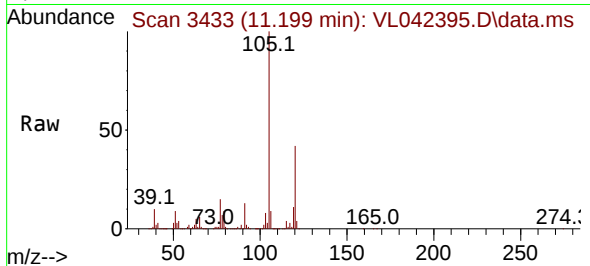
#73
1,3,5-Trimethylbenzene
Concen: 8.752 ppbv
RT: 11.199 min Scan# 3433
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 451158
Ion Ratio Lower Upper
105 100
120 42.1 35.6 53.4

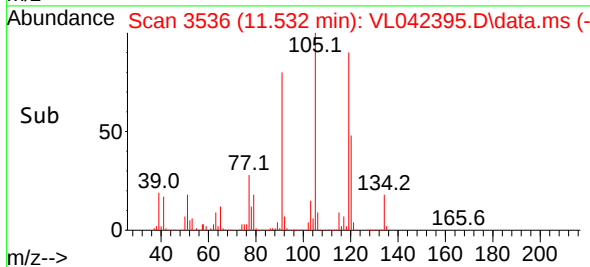
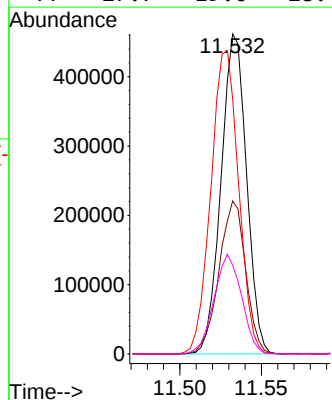
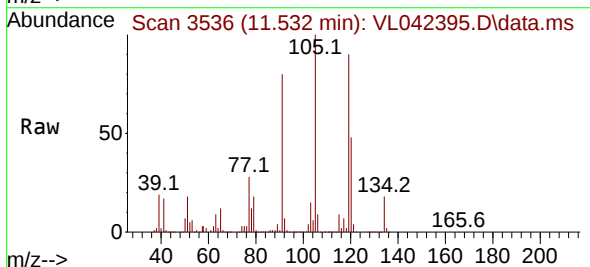
Manual Integrations
APPROVED

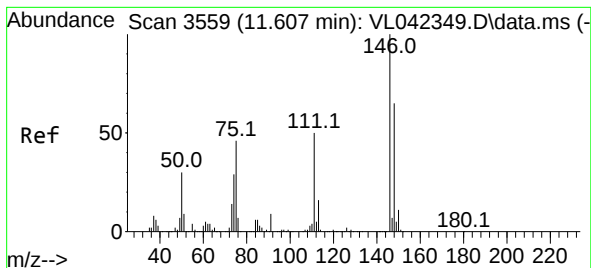
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#74
1,2,4-Trimethylbenzene
Concen: 8.340 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.006 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

Tgt Ion:105 Resp: 502117
Ion Ratio Lower Upper
105 100
120 47.8 38.1 57.1
91 79.7 48.8 73.2#
77 27.7 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 8.436 ppbv

RT: 11.604 min Scan# 3559

Delta R.T. -0.003 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

Instrument :

MSVOA_L

ClientSampleId :

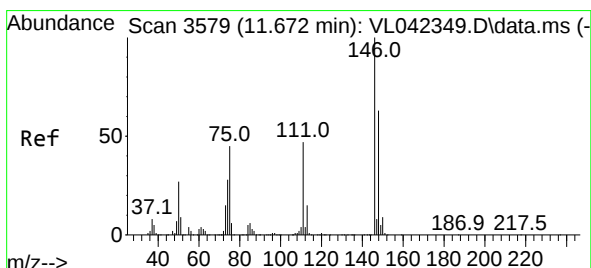
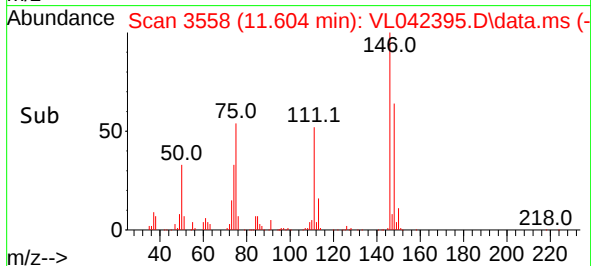
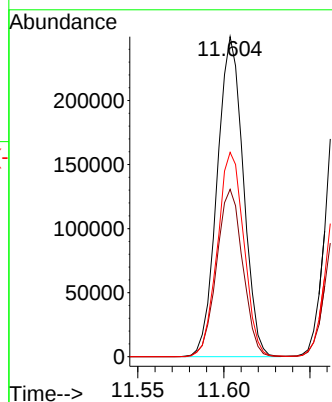
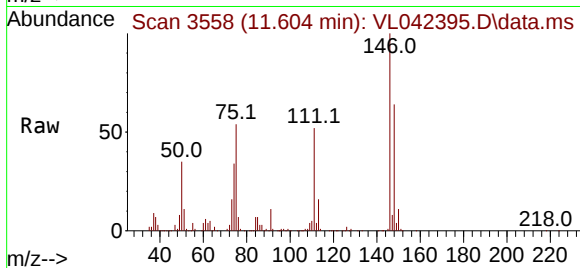
VSTDCCC010

Tgt Ion:	146	Resp:	264024
Ion Ratio	Lower	Upper	
146	100		
111	52.3	24.3	72.8
148	64.6	31.6	94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#76

1,4-Dichlorobenzene

Concen: 8.445 ppbv

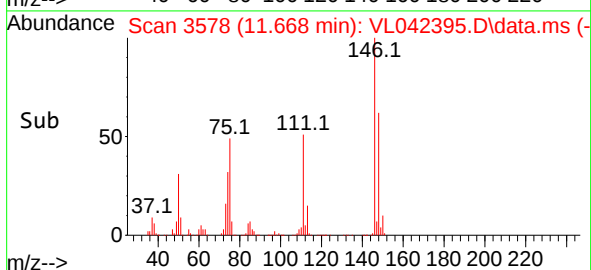
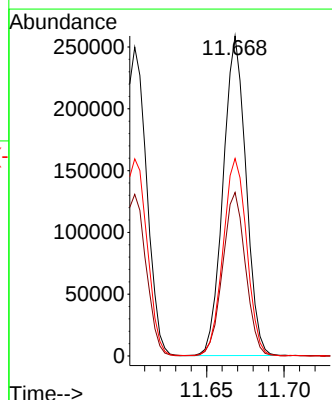
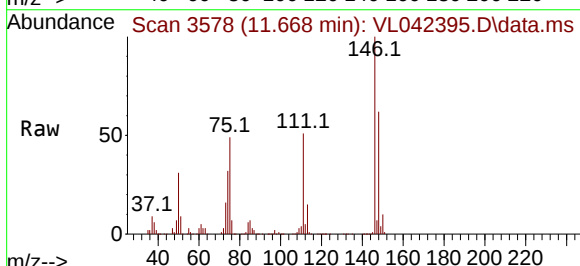
RT: 11.668 min Scan# 3578

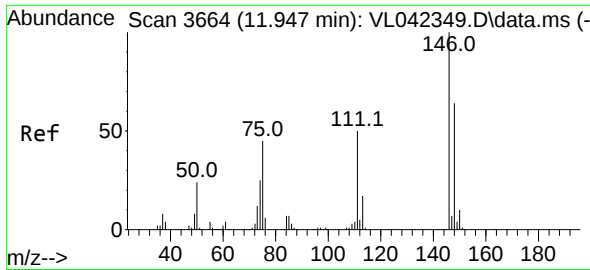
Delta R.T. -0.003 min

Lab File: VL042395.D

Acq: 21 Apr 2025 08:41

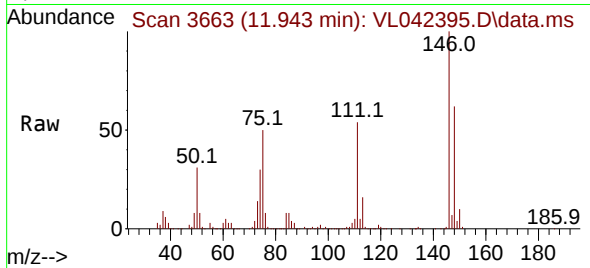
Tgt Ion:	146	Resp:	265655
Ion Ratio	Lower	Upper	
146	100		
111	51.4	24.2	72.6
148	64.1	32.1	96.5





#77
1,2-Dichlorobenzene
Concen: 8.548 ppbv
RT: 11.943 min Scan# 3663
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

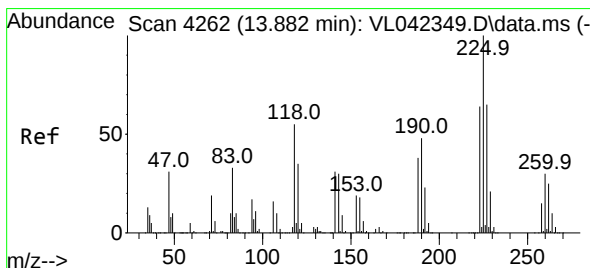
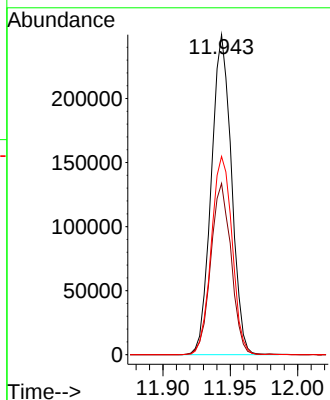
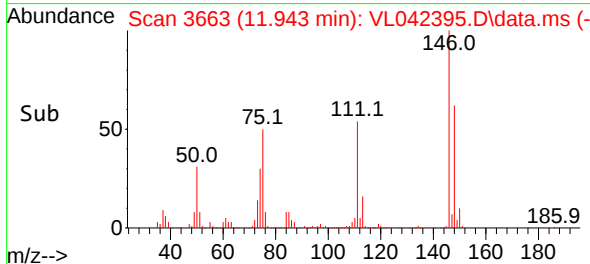
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



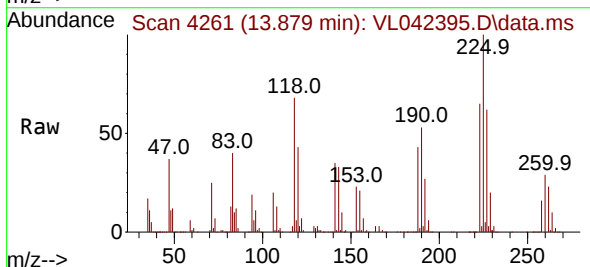
Tgt Ion:146 Resp: 26013
Ion Ratio Lower Upper
146 100
111 53.9 25.3 75.9
148 64.0 31.5 94.5

Manual Integrations
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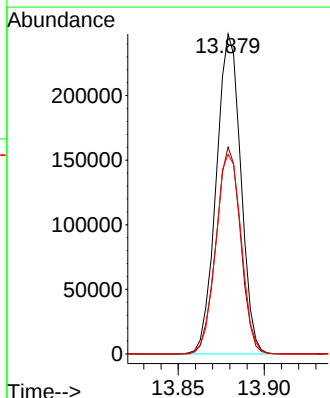
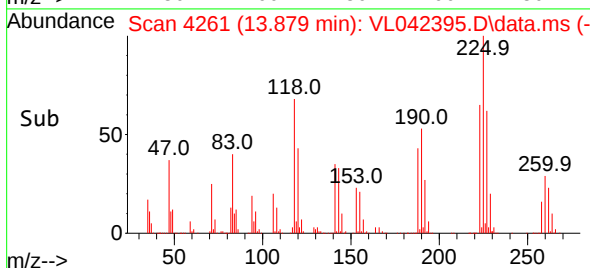
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

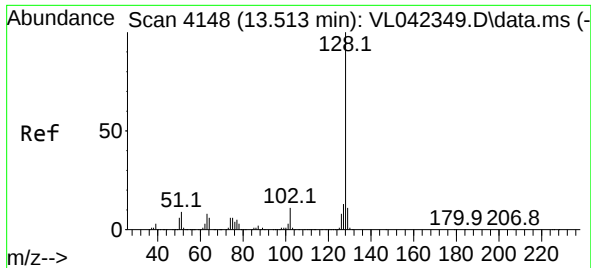


#78
Hexachloro-1,3-Butadiene
Concen: 8.002 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



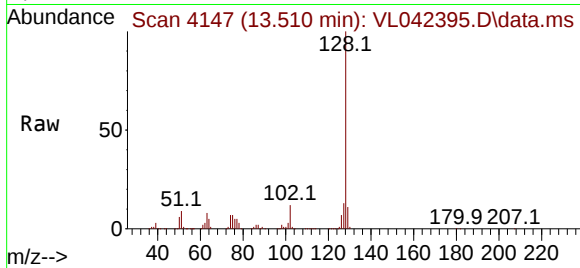
Tgt Ion:225 Resp: 245910
Ion Ratio Lower Upper
225 100
223 64.2 50.3 75.5
227 64.9 51.5 77.3





#79
Naphthalene
Concen: 7.925 ppbv
RT: 13.510 min Scan# 4148
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41

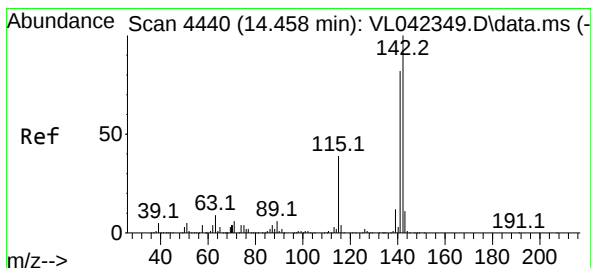
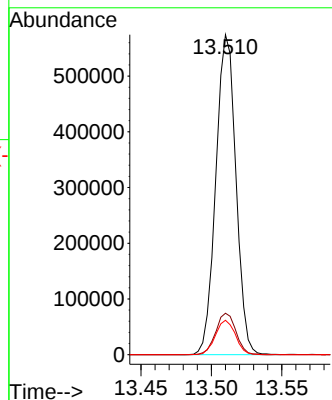
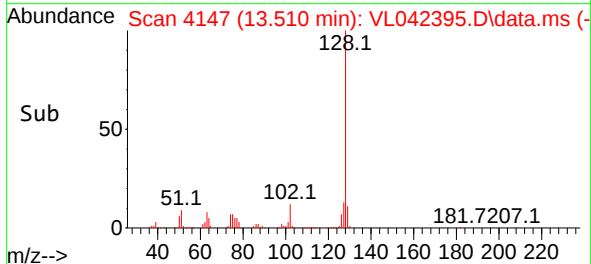
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



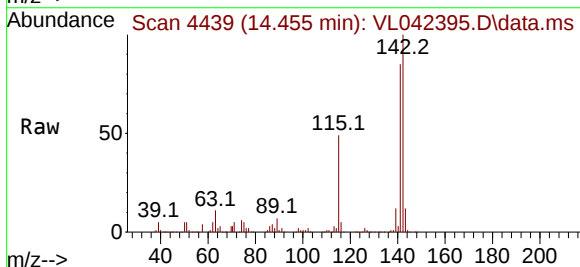
Tgt Ion:128 Resp: 57059
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.8 8.6 12.8

Manual Integrations
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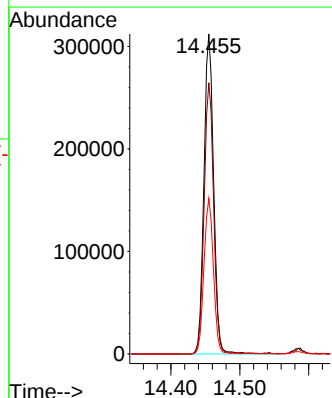
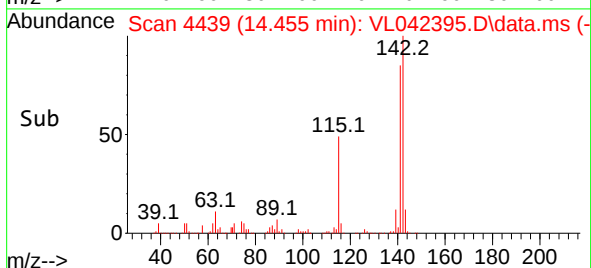
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

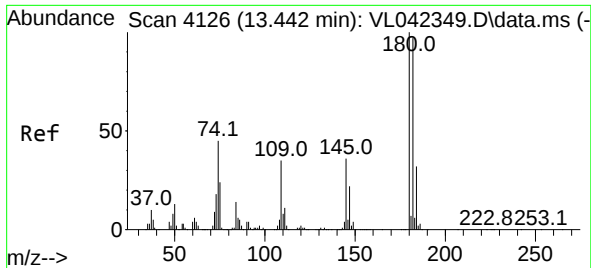


#80
Naphthalene,2-methyl-
Concen: 7.412 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.003 min
Lab File: VL042395.D
Acq: 21 Apr 2025 08:41



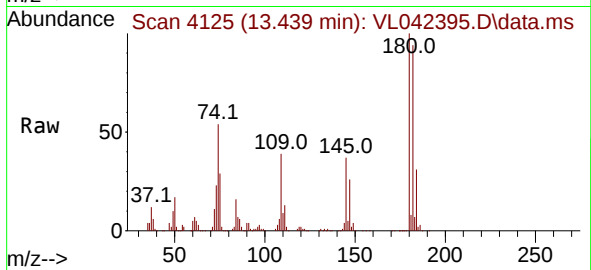
Tgt Ion:142 Resp: 304139
Ion Ratio Lower Upper
142 100
141 83.9 66.8 100.2
115 47.9 33.4 50.2





#81
 1,2,4-Trichlorobenzene
 Concen: 8.112 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042395.D
 Acq: 21 Apr 2025 08:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180 Resp: 25080
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.8 115.2
 184 30.5 24.6 36.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

