

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
 Data File : VL042021.D
 Acq On : 14 Feb 2025 15:31
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

Quant Time: Feb 15 01:23:42 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M

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

QLast Update : Sat Feb 15 01:17:03 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	86925	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.936	114	262414	10.000	ppbv	-0.01
55) Chlorobenzene-d5	8.862	117	237914	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.361 95 198454 10.112 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.492	85	223559	14.940	ppbv	97
3) Chlorodifluoromethane	1.470	51	243126	14.686	ppbv	97
4) Chloromethane	1.525	50	88610	15.238	ppbv	99
5) Vinyl Chloride	1.573	62	84240	12.115	ppbv	97
6) Bromomethane	1.661	94	38291	14.205	ppbv	96
7) Chloroethane	1.696	64	33647	14.847	ppbv	98
8) Dichlorotetrafluoroethane	1.547	85	194356	14.765	ppbv	98
9) Propene	1.476	41	105896	14.803	ppbv	99
10) Heptane	4.949	43	287361	14.584	ppbv	100
11) Trichlorofluoromethane	1.868	101	220304	14.629	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.130	101	175546	14.948	ppbv	99
13) Ethanol	1.712	45	5186	5.987	ppbv	90
14) Bromoethene	1.774	108	62750	14.308	ppbv	98
15) Acetone	1.826	43	180374	12.572	ppbv	98
16) 1,3-Butadiene	1.602	39	92580	13.602	ppbv	99
17) tert-Butyl alcohol	2.030	59	246990	13.912	ppbv	97
18) 1,1-Dichloroethene	2.023	96	78879	13.810	ppbv	97
19) Isopropyl Alcohol	1.877	45	108718	13.435	ppbv	100
20) Methylene Chloride	2.052	84	69635	12.893	ppbv	97
21) Allyl Chloride	2.085	41	146143	14.153	ppbv	98
22) trans-1,2-Dichloroethene	2.331	96	88308	14.500	ppbv	99
23) Vinyl Acetate	2.450	43	116346	14.975	ppbv	97
24) 1,1-Dichloroethane	2.399	63	179098	14.485	ppbv	99
25) Ethyl Acetate	2.823	43	569390	14.459	ppbv	99
26) Hexane	2.813	57	228493	14.459	ppbv	99
27) Carbon Disulfide	2.140	76	222067	14.941	ppbv	97
28) Methyl tert-Butyl Ether	2.428	73	135275	14.003	ppbv	99
29) Chloroform	2.836	83	336006	14.680	ppbv	99
30) Cyclohexane	3.836	84	204650	14.786	ppbv	99
31) cis-1,2-Dichloroethene	2.709	61	233761	14.967	ppbv	97
32) 1,1,1-Trichloroethane	3.350	97	361627	14.247	ppbv	99
34) 2-Butanone	2.544	43	325304	14.409	ppbv	100
35) Carbon Tetrachloride	3.742	117	355299	14.222	ppbv	98
36) Benzene	3.638	78	477637	15.026	ppbv	99
37) 1,2-Dichloroethane	3.204	62	265263	14.659	ppbv	100
38) Trichloroethene	4.525	130	183311	14.041	ppbv	89
39) 1,2-Dichloropropane	4.289	63	173533	14.715	ppbv	97
40) 1,4-Dioxane	4.561	88	81743	13.560	ppbv #	98
41) Tetrahydrofuran	3.039	42	188901	14.339	ppbv	98
42) Bromodichloromethane	4.467	83	383649	15.642	ppbv	99
43) Methyl Methacrylate	4.852	69	195343	13.671	ppbv	97
44) 2,2,4-Trimethylpentane	4.616	57	792396	14.684	ppbv	99
45) t-1,3-Dichloropropene	6.389	75	212040	15.480	ppbv	94

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M

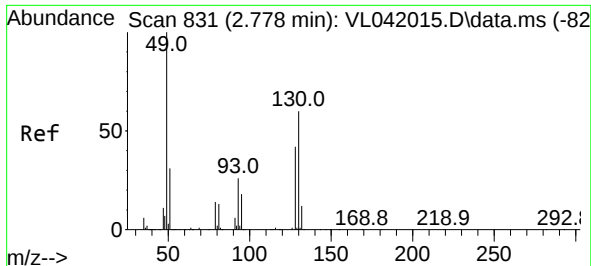
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Sat Feb 15 01:17:03 2025

Response via : Initial Calibration

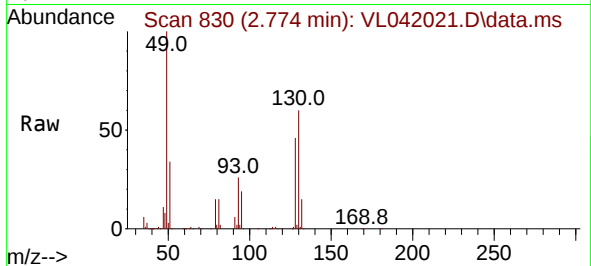
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.570	75	262404	15.119	ppbv	99
47) 1,1,2-Trichloroethane	6.558	97	184185	15.018	ppbv	97
48) Dibromochloromethane	7.367	129	307444	15.086	ppbv	99
49) Bromoform	9.467	173	256214	15.207	ppbv	99
50) 4-Methyl-2-Pentanone	5.723	43	493570	14.067	ppbv	100
51) 2-Hexanone	7.415	43	406282	14.128	ppbv #	99
52) Tetrachloroethene	8.205	164	150659	13.578	ppbv	93
53) Toluene	6.910	91	557848	14.831	ppbv	100
54) 1,2-Dibromoethane	7.632	107	256693	15.004	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.907	131	231487	13.630	ppbv	98
57) Chlorobenzene	8.904	112	391336	13.982	ppbv	95
58) Ethyl Benzene	9.338	91	768548	14.760	ppbv	100
59) m/p-Xylene	9.535	91	1201342m	29.266	ppbv	
60) o-Xylene	9.946	91	593457	14.307	ppbv	98
61) Styrene	9.853	104	296264	14.978	ppbv	98
62) Isopropylbenzene	10.526	105	883027	14.180	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.946	83	356686	13.331	ppbv	100
64) n-propylbenzene	10.976	120	218866	14.304	ppbv	96
65) tert-Butylbenzene	11.519	119	748190	13.782	ppbv	99
66) Benzyl Chloride	11.604	91	80312	14.663	ppbv	99
67) sec-Butylbenzene	11.756	105	1055064	13.836	ppbv	99
69) p-Isopropyltoluene	11.914	119	852283	13.654	ppbv	98
70) n-Butylbenzene	12.270	91	864461	14.059	ppbv	99
71) 2-Chlorotoluene	10.888	91	668867	14.262	ppbv	100
72) 4-Ethyltoluene	11.112	105	695430	14.289	ppbv	100
73) 1,3,5-Trimethylbenzene	11.189	105	599031	14.290	ppbv	95
74) 1,2,4-Trimethylbenzene	11.526	105	613669	13.640	ppbv	98
75) 1,3-Dichlorobenzene	11.594	146	336922	13.912	ppbv	99
76) 1,4-Dichlorobenzene	11.659	146	337749	14.301	ppbv	99
77) 1,2-Dichlorobenzene	11.934	146	320100	13.827	ppbv	99
78) Hexachloro-1,3-Butadiene	13.872	225	235409	12.291	ppbv	99
79) Naphthalene	13.503	128	518798	11.723	ppbv	99
80) Naphthalene,2-methyl-	14.445	142	188818	9.388	ppbv	99
81) 1,2,4-Trichlorobenzene	13.429	180	233085	12.956	ppbv	100

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.774 min Scan# 81
Delta R.T. -0.004 min
Lab File: VL042021.D
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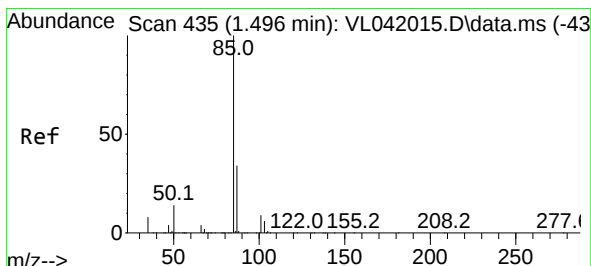
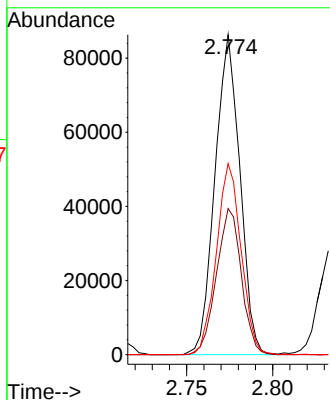
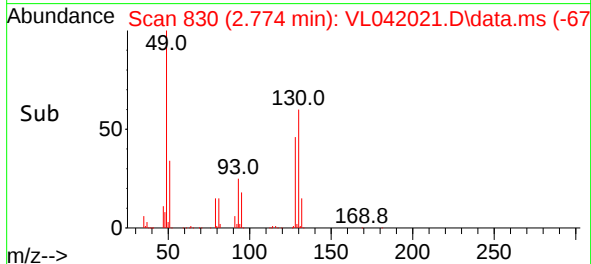
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



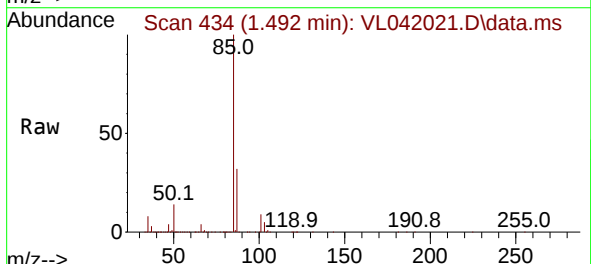
Tgt Ion: 49 Resp: 86925
Ion Ratio Lower Upper
49 100
128 45.6 22.7 68.0
130 59.2 29.9 89.8

Manual Integrations
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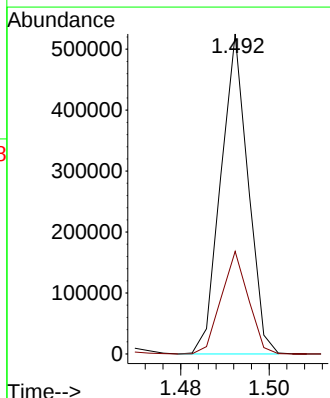
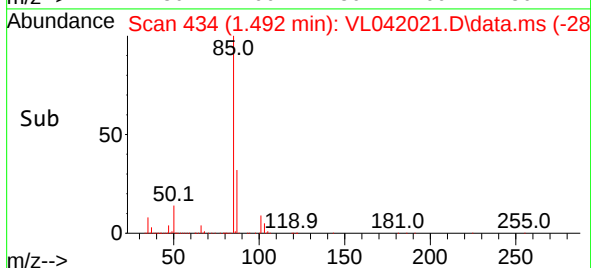
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

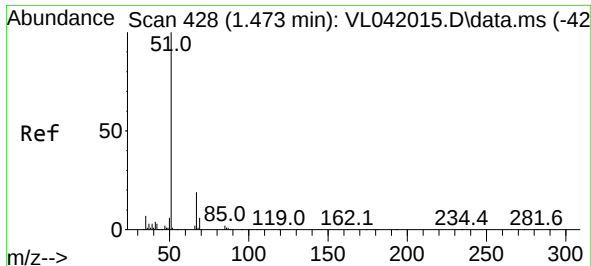


#2
Dichlorodifluoromethane
Concen: 14.940 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31



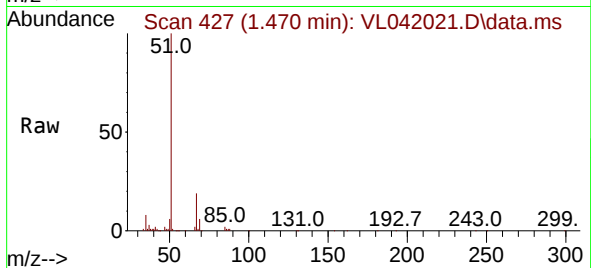
Tgt Ion: 85 Resp: 223559
Ion Ratio Lower Upper
85 100
87 32.1 26.9 40.3





#3
Chlorodifluoromethane
Concen: 14.686 ppbv
RT: 1.470 min Scan# 428
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

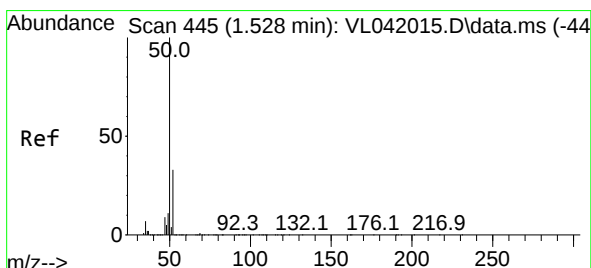
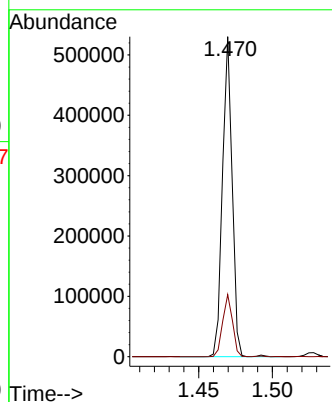
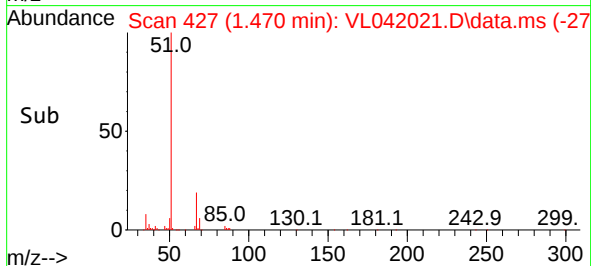
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 51 Resp: 243120
Ion Ratio Lower Upper
51 100
67 19.9 15.0 22.6

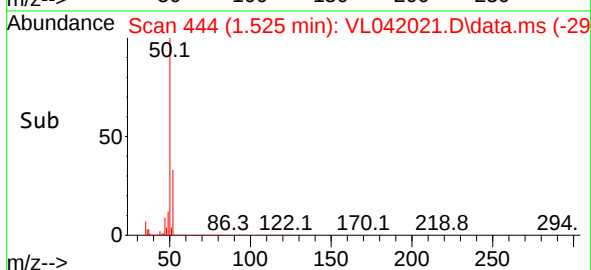
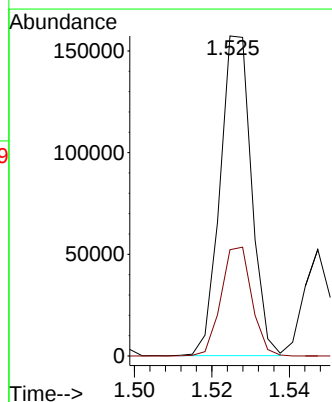
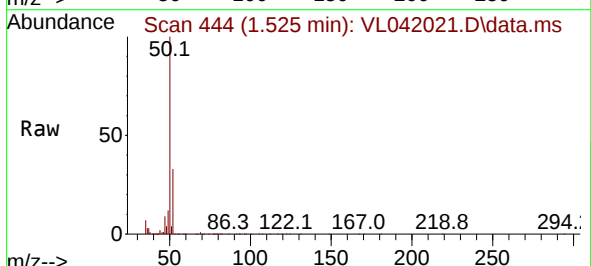
Manual Integrations
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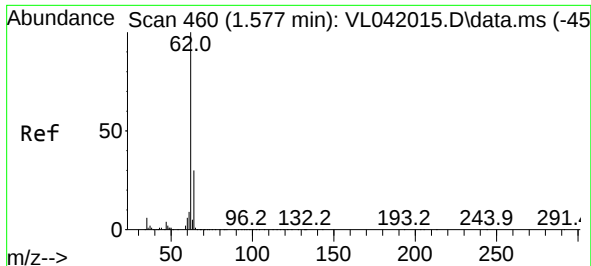
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#4
Chloromethane
Concen: 15.238 ppbv
RT: 1.525 min Scan# 444
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

Tgt Ion: 50 Resp: 88610
Ion Ratio Lower Upper
50 100
52 33.3 26.2 39.2





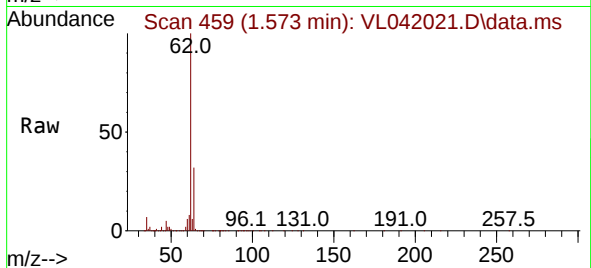
#5
 Vinyl Chloride
 Concen: 12.115 ppbv
 RT: 1.573 min Scan# 41
 Delta R.T. -0.004 min
 Lab File: VL042021.D
 Acq: 14 Feb 2025 15:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

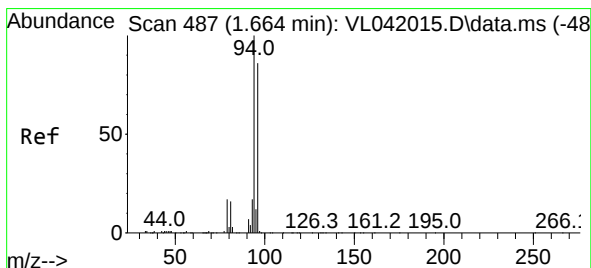
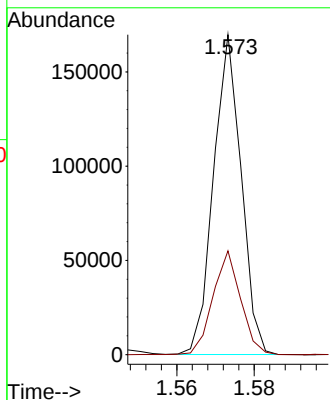
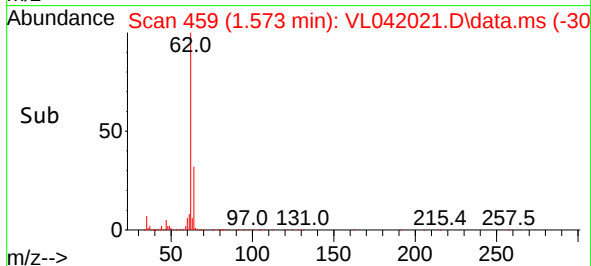


Tgt Ion: 62 Resp: 84240
 Ion Ratio Lower Upper
 62 100
 64 32.4 24.4 36.6

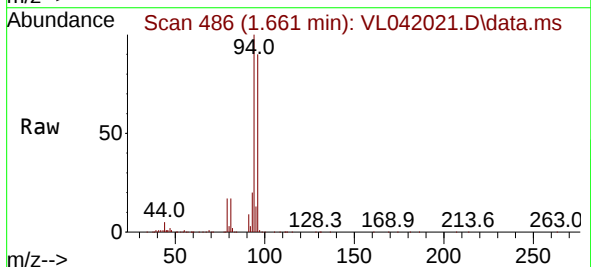
Manual Integrations

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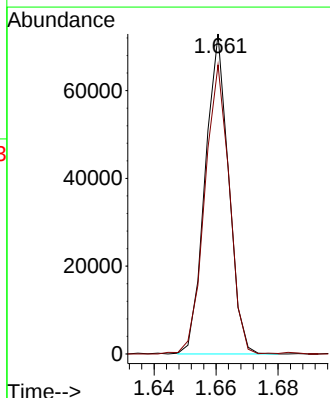
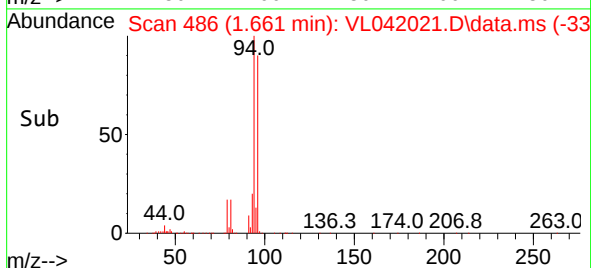
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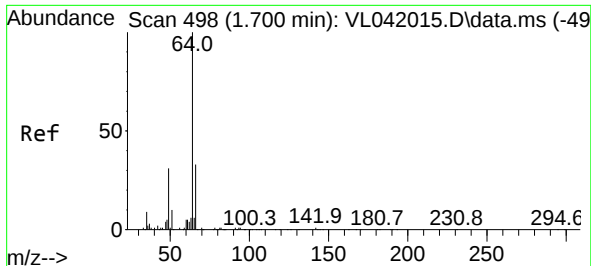


#6
 Bromomethane
 Concen: 14.205 ppbv
 RT: 1.661 min Scan# 486
 Delta R.T. -0.004 min
 Lab File: VL042021.D
 Acq: 14 Feb 2025 15:31



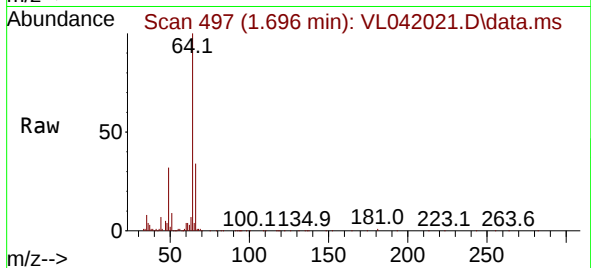
Tgt Ion: 94 Resp: 38291
 Ion Ratio Lower Upper
 94 100
 96 90.2 69.0 103.6





#7
Chloroethane
Concen: 14.847 ppbv
RT: 1.696 min Scan# 498
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

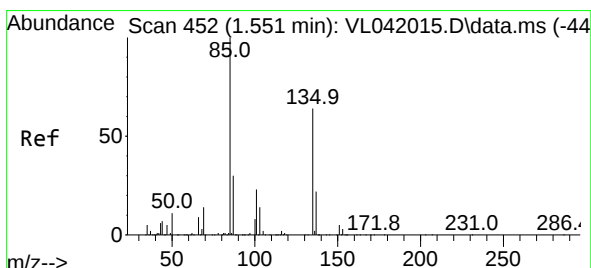
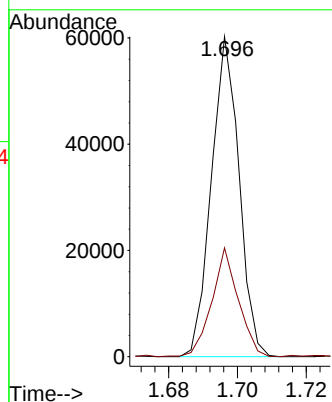
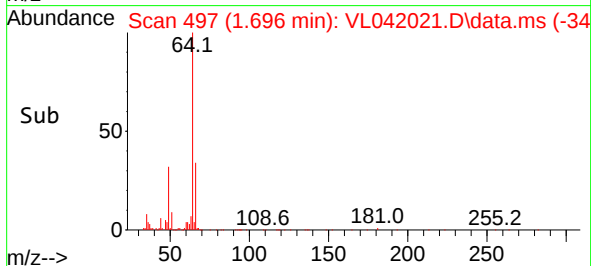
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



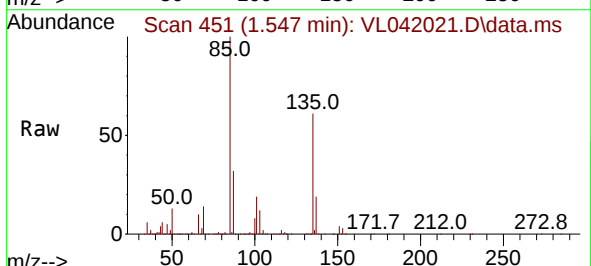
Tgt Ion: 64 Resp: 3364
Ion Ratio Lower Upper
64 100
66 34.0 26.5 39.7

Manual Integrations
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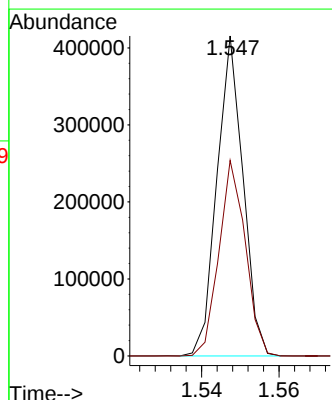
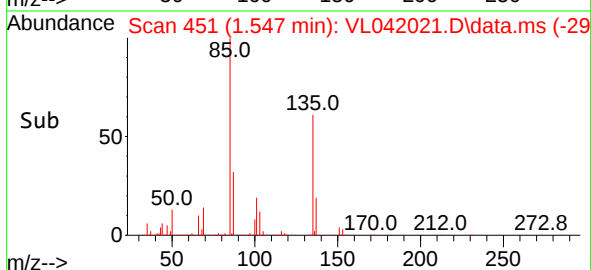
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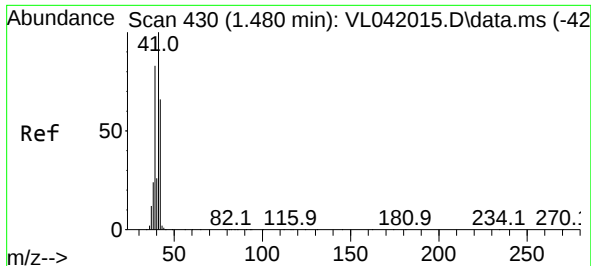


#8
Dichlorotetrafluoroethane
Concen: 14.765 ppbv
RT: 1.547 min Scan# 451
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31



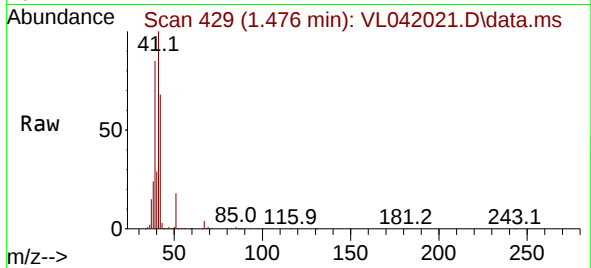
Tgt Ion: 85 Resp: 194356
Ion Ratio Lower Upper
85 100
135 62.0 50.9 76.3





#9
 Propene
 Concen: 14.803 ppbv
 RT: 1.476 min Scan# 41
 Delta R.T. -0.004 min
 Lab File: VL042021.D
 Acq: 14 Feb 2025 15:31

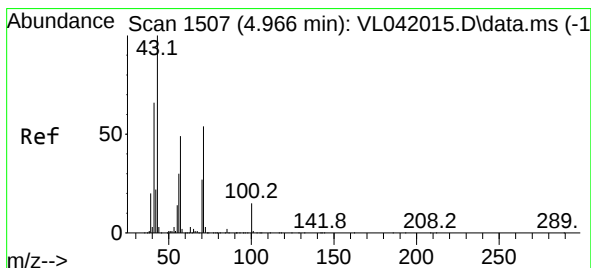
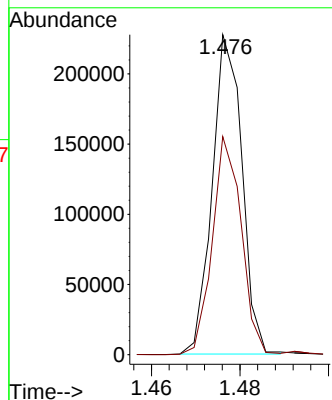
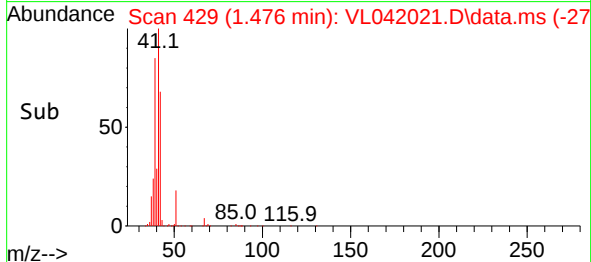
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



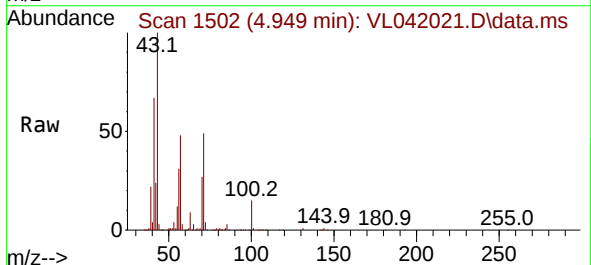
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 Ion Ratio Lower Upper
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 42 67.6 53.5 80.3

Manual Integrations
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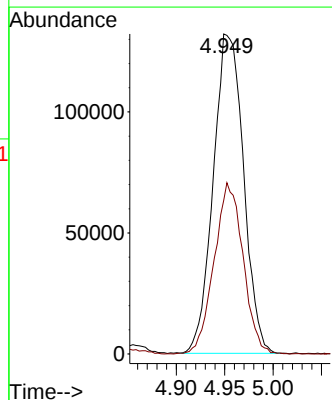
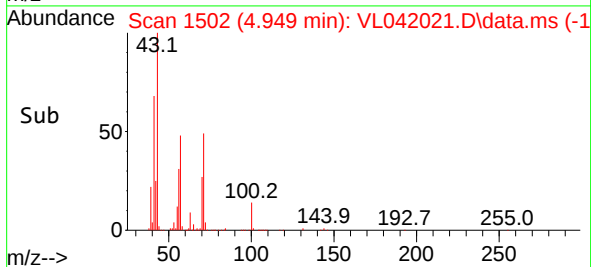
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

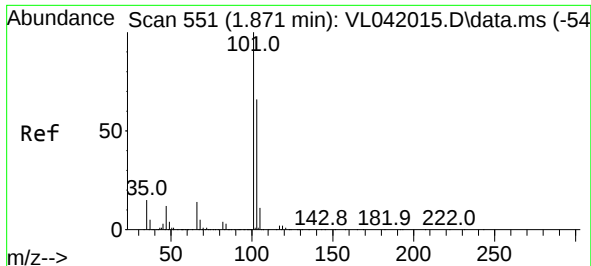


#10
 Heptane
 Concen: 14.584 ppbv
 RT: 4.949 min Scan# 1502
 Delta R.T. -0.017 min
 Lab File: VL042021.D
 Acq: 14 Feb 2025 15:31



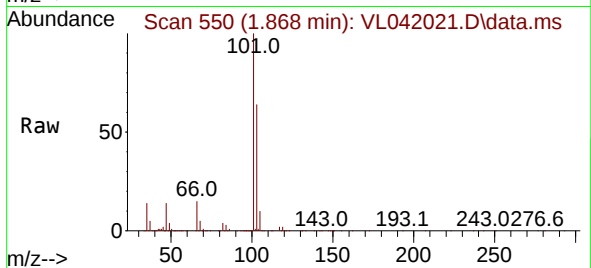
Tgt Ion: 43 Resp: 287361
 Ion Ratio Lower Upper
 43 100
 57 51.2 41.0 61.6





#11
Trichlorofluoromethane
Concen: 14.629 ppbv
RT: 1.868 min Scan# 511
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

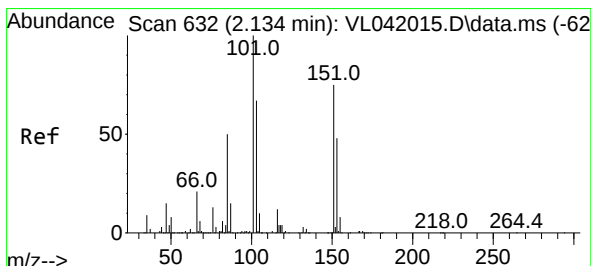
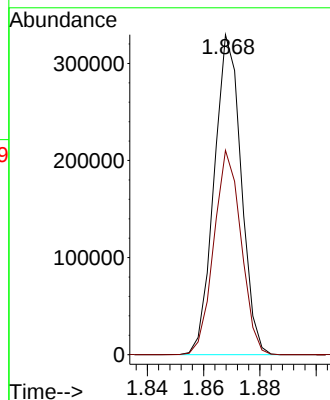
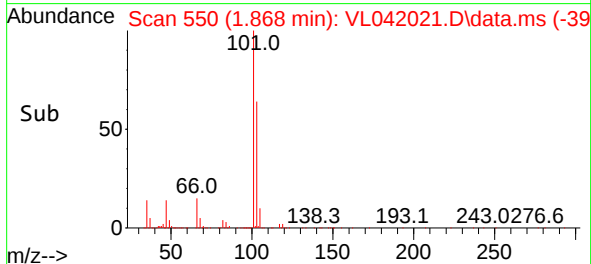
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



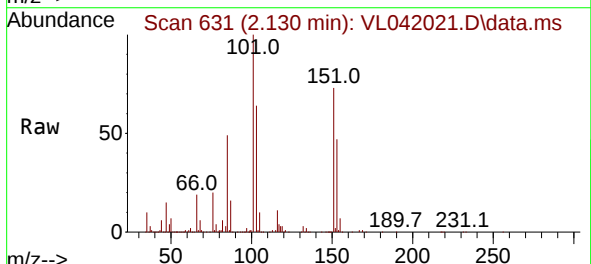
Tgt Ion:101 Resp: 220304
Ion Ratio Lower Upper
101 100
103 63.8 52.9 79.3

Manual Integrations
APPROVED

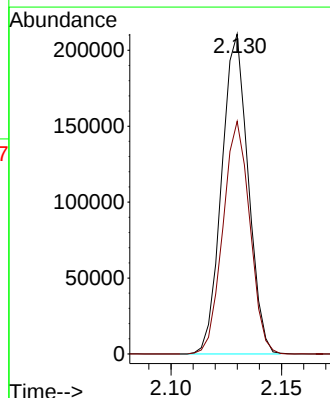
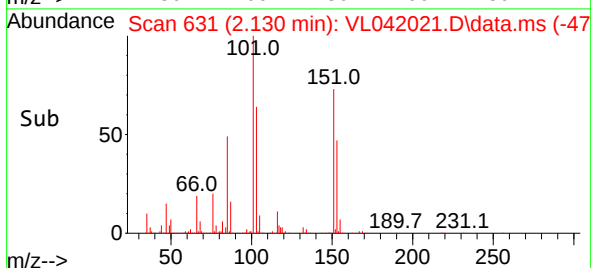
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

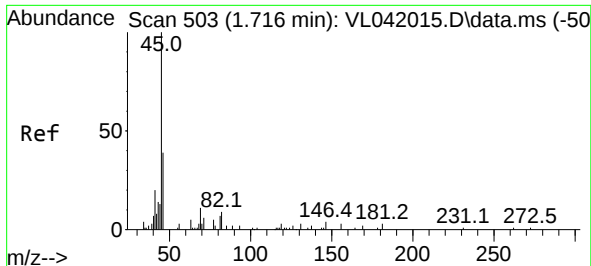


#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.948 ppbv
RT: 2.130 min Scan# 631
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31



Tgt Ion:101 Resp: 175546
Ion Ratio Lower Upper
101 100
151 73.7 58.2 87.2





#13

Ethanol

Concen: 5.987 ppbv

RT: 1.712 min Scan# 503

Delta R.T. -0.004 min

Lab File: VL042021.D

Acq: 14 Feb 2025 15:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 45 Resp: 5180

Ion Ratio Lower Upper

45 100

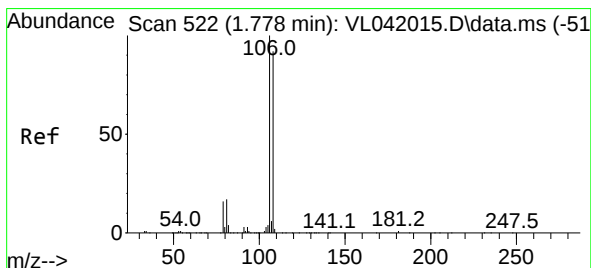
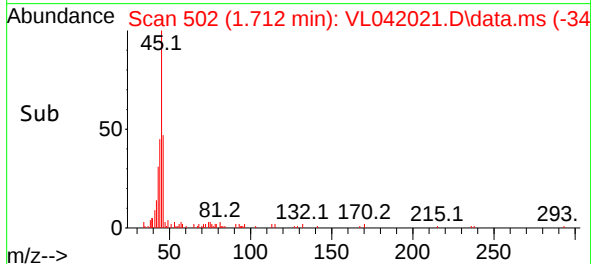
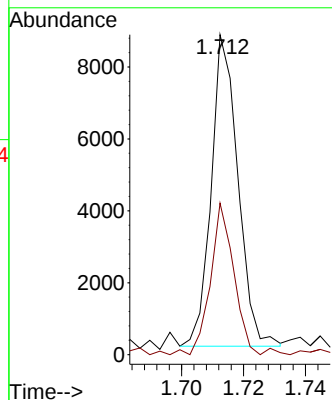
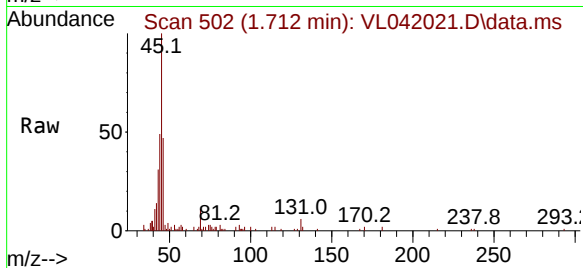
46 45.8 21.3 85.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#14

Bromoethene

Concen: 14.308 ppbv

RT: 1.774 min Scan# 521

Delta R.T. -0.004 min

Lab File: VL042021.D

Acq: 14 Feb 2025 15:31

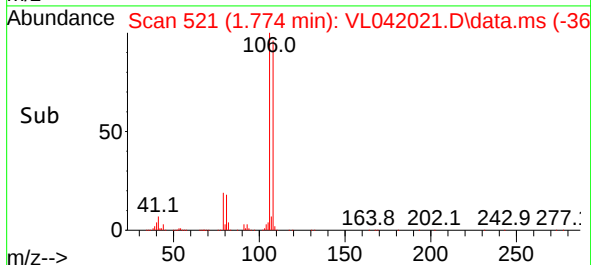
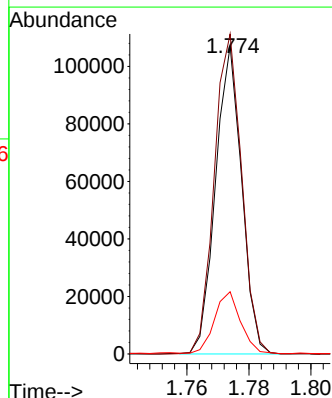
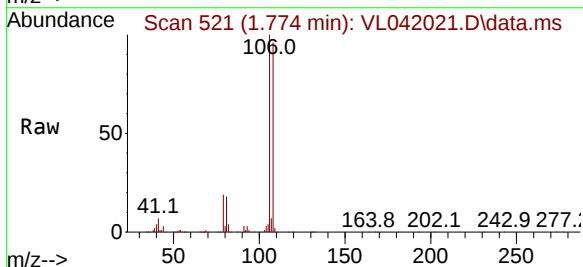
Tgt Ion:108 Resp: 62750

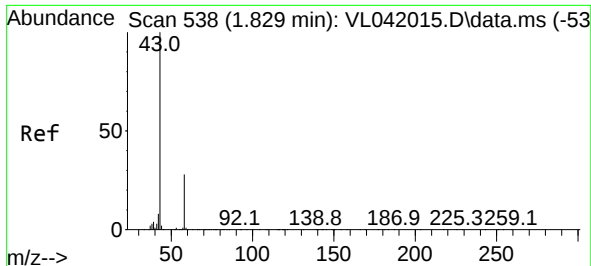
Ion Ratio Lower Upper

108 100

106 108.8 85.0 127.6

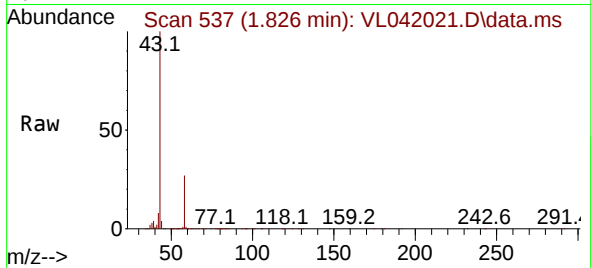
79 21.0 17.3 25.9





#15
Acetone
Concen: 12.572 ppbv
RT: 1.826 min Scan# 51
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

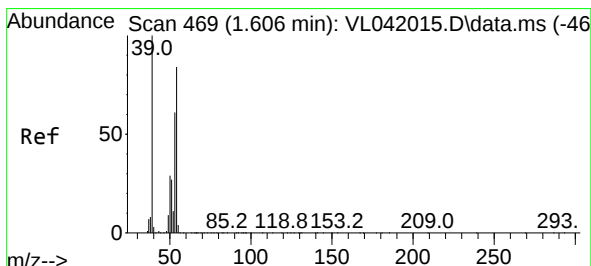
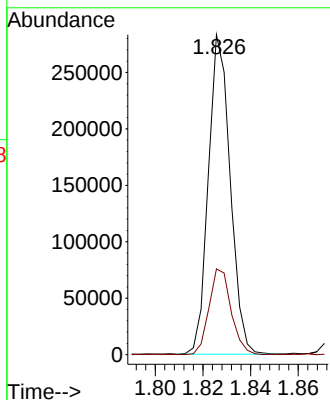
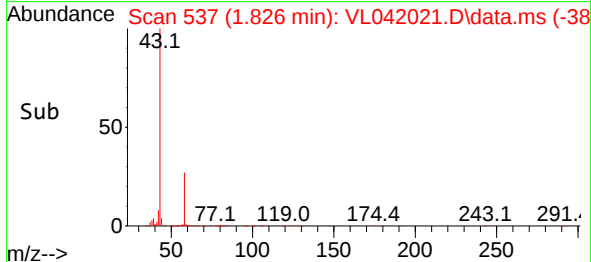
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



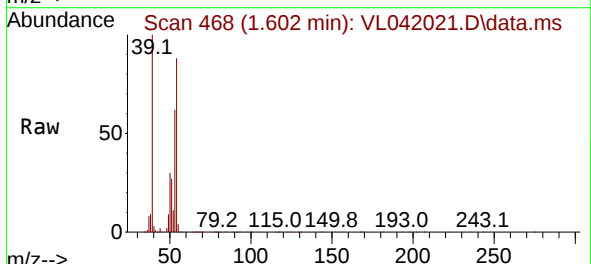
Tgt Ion: 43 Resp: 180374
Ion Ratio Lower Upper
43 100
58 27.4 22.9 34.3

Manual Integrations
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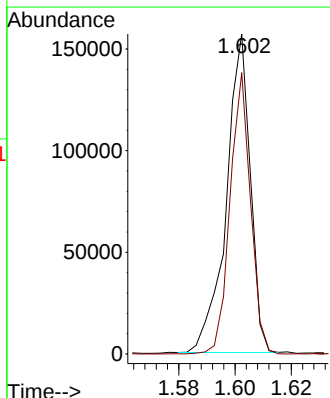
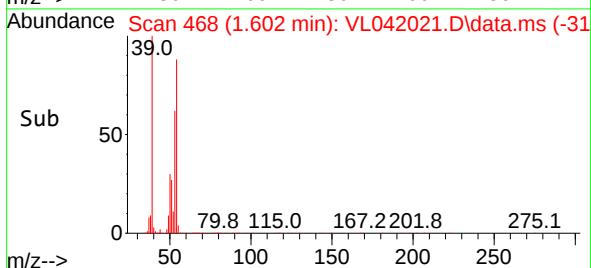
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

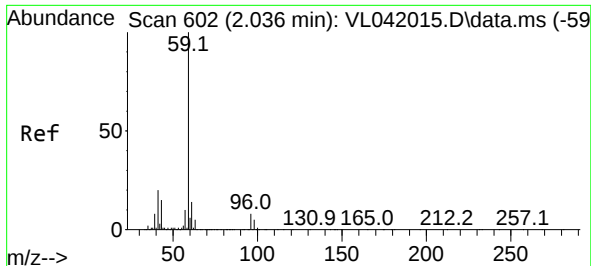


#16
1,3-Butadiene
Concen: 13.602 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31



Tgt Ion: 39 Resp: 92580
Ion Ratio Lower Upper
39 100
54 75.5 59.4 89.2





#17

tert-Butyl alcohol

Concen: 13.912 ppbv

RT: 2.030 min Scan# 602

Delta R.T. -0.007 min

Lab File: VL042021.D

Acq: 14 Feb 2025 15:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 59 Resp: 246990

Ion Ratio Lower Upper

59 100

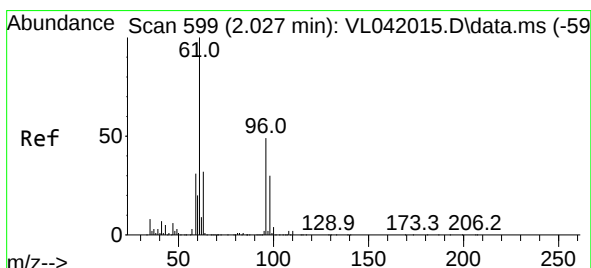
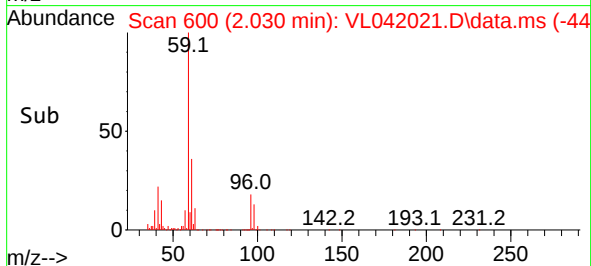
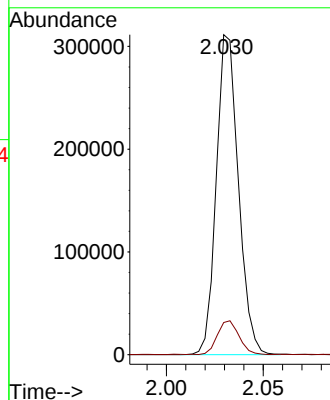
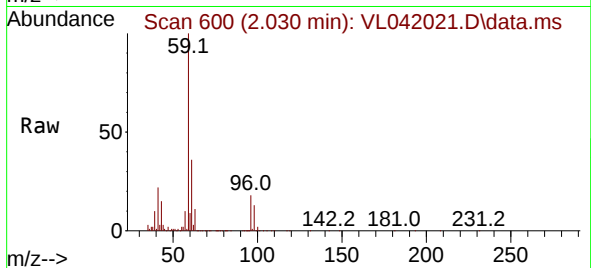
57 10.5 9.2 13.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#18

1,1-Dichloroethene

Concen: 13.810 ppbv

RT: 2.023 min Scan# 598

Delta R.T. -0.004 min

Lab File: VL042021.D

Acq: 14 Feb 2025 15:31

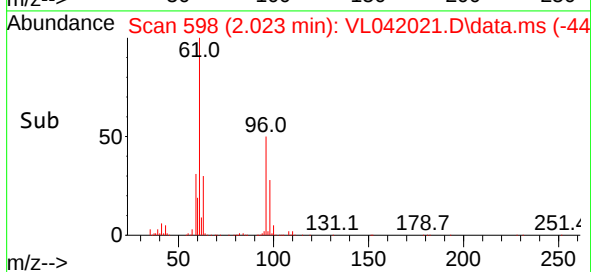
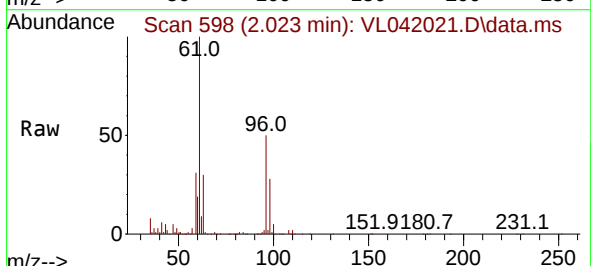
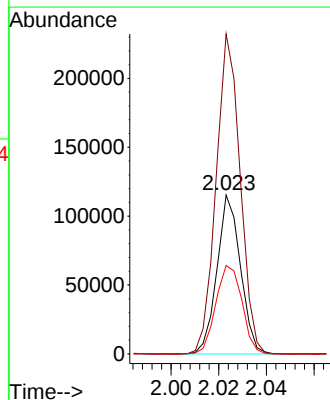
Tgt Ion: 96 Resp: 78879

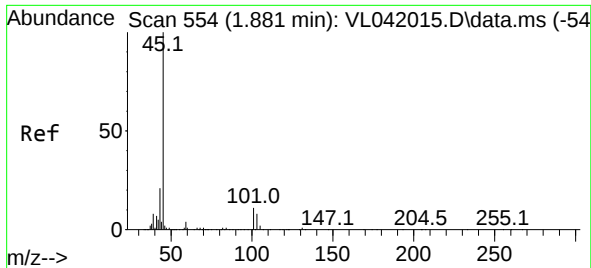
Ion Ratio Lower Upper

96 100

61 201.5 163.5 245.3

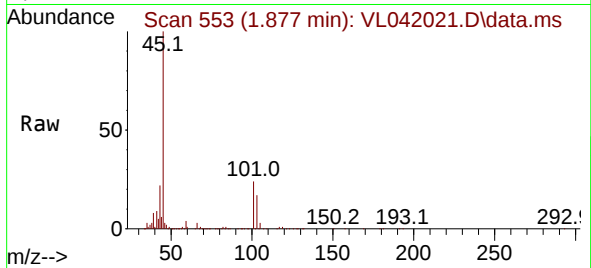
98 55.7 49.4 74.0





#19
Isopropyl Alcohol
Concen: 13.435 ppbv
RT: 1.877 min Scan# 511
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

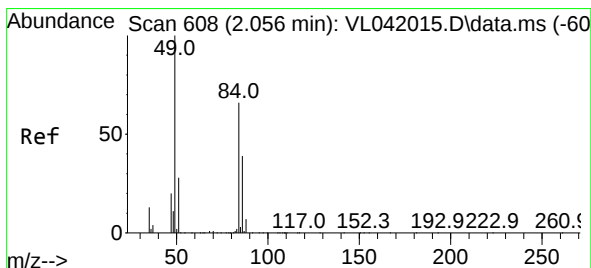
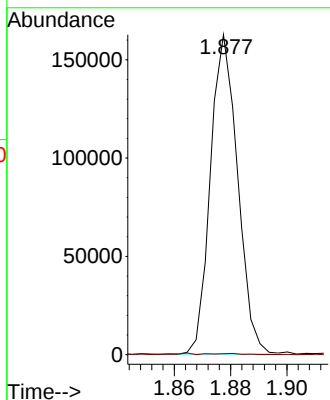
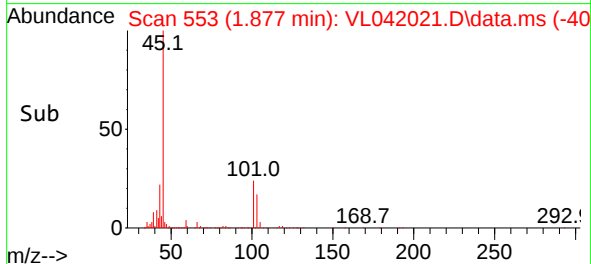
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



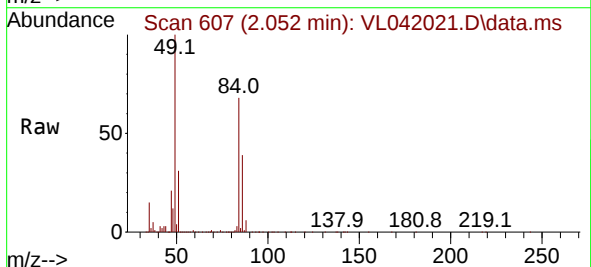
Tgt Ion: 45 Resp: 108718
Ion Ratio Lower Upper
45 100
58 45.5 36.2 54.4

Manual Integrations
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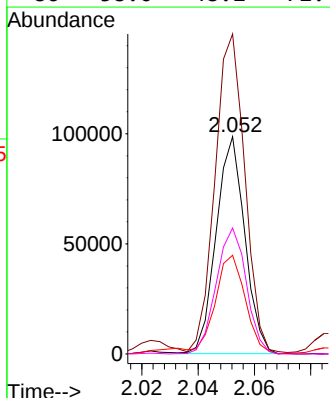
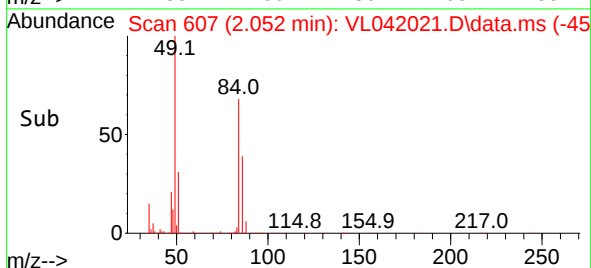
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

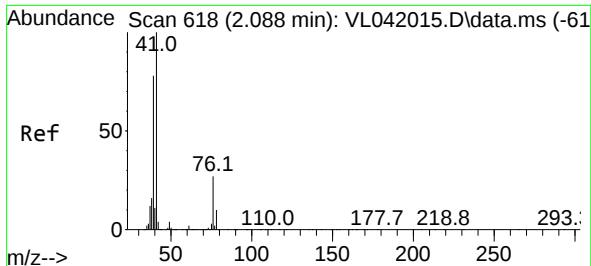


#20
Methylene Chloride
Concen: 12.893 ppbv
RT: 2.052 min Scan# 607
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31



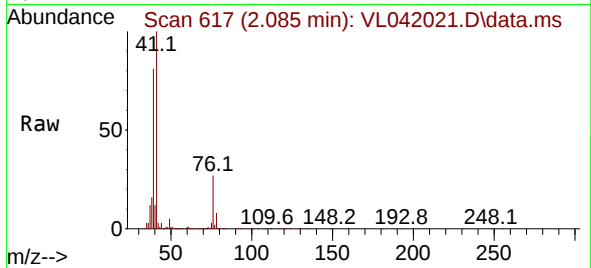
Tgt Ion: 84 Resp: 69635
Ion Ratio Lower Upper
84 100
49 146.4 121.0 181.4
51 45.5 35.1 52.7
86 58.0 48.2 72.4





#21
 Allyl Chloride
 Concen: 14.153 ppbv
 RT: 2.085 min Scan# 618
 Delta R.T. -0.004 min
 Lab File: VL042021.D
 Acq: 14 Feb 2025 15:31

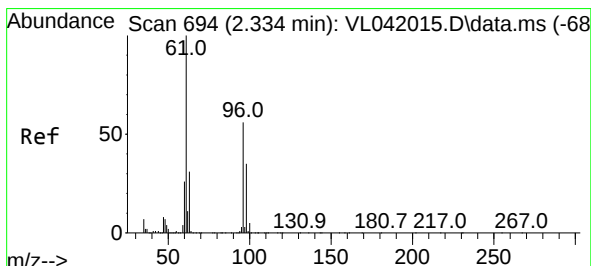
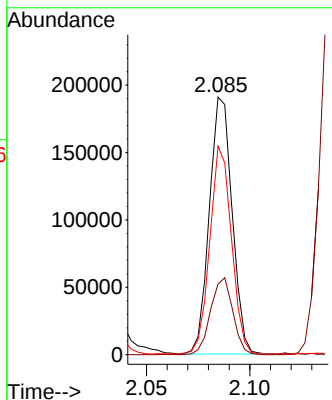
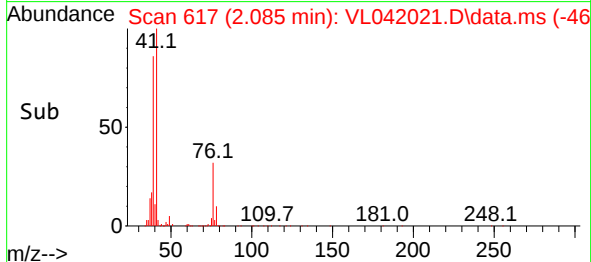
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



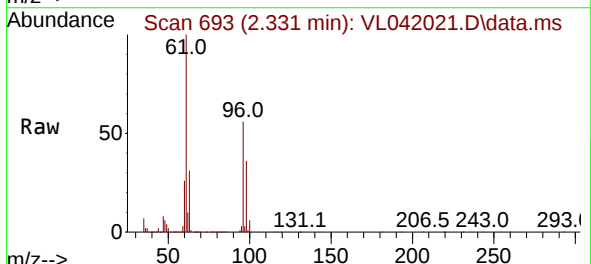
Tgt Ion: 41 Resp: 14614
 Ion Ratio Lower Upper
 41 100
 76 29.2 23.7 35.5
 39 76.9 63.0 94.6

Manual Integrations
 APPROVED

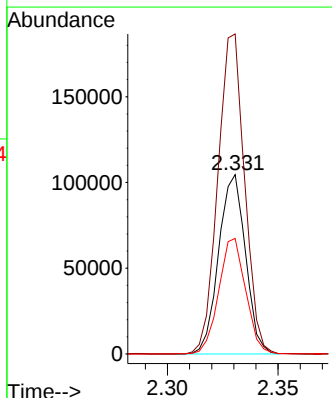
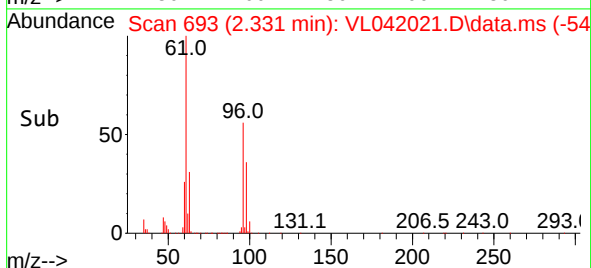
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

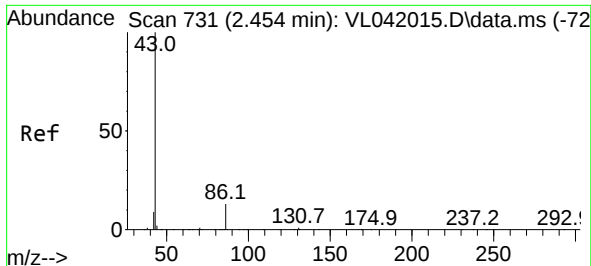


#22
 trans-1,2-Dichloroethene
 Concen: 14.500 ppbv
 RT: 2.331 min Scan# 693
 Delta R.T. -0.004 min
 Lab File: VL042021.D
 Acq: 14 Feb 2025 15:31



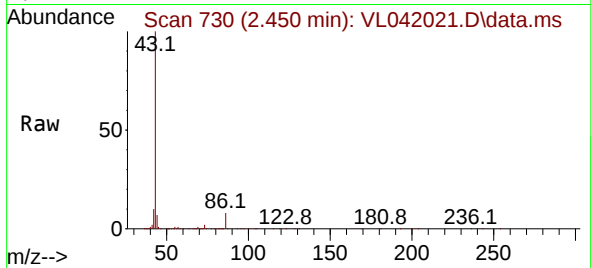
Tgt Ion: 96 Resp: 88308
 Ion Ratio Lower Upper
 96 100
 61 178.4 142.3 213.5
 98 64.1 50.2 75.2





#23
 Vinyl Acetate
 Concen: 14.975 ppbv
 RT: 2.450 min Scan# 714
 Delta R.T. -0.004 min
 Lab File: VL042021.D
 Acq: 14 Feb 2025 15:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

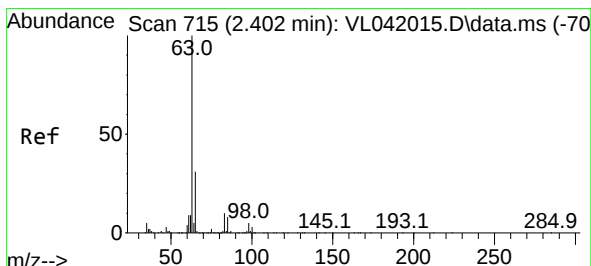
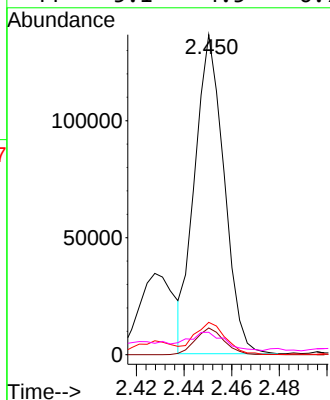
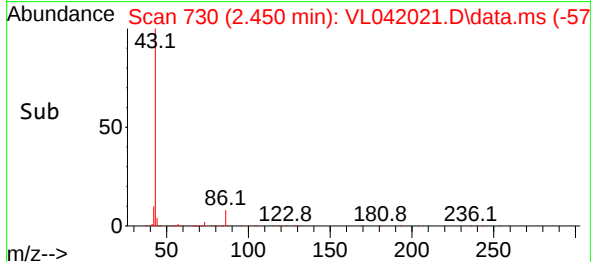


Tgt Ion: 43 Resp: 116340

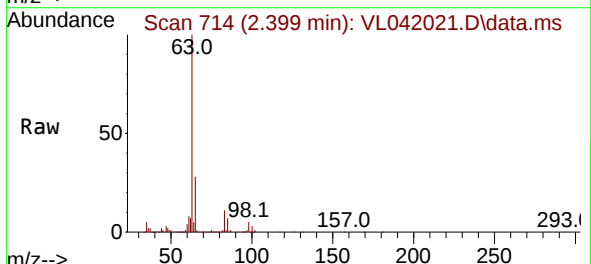
Ion	Ratio	Lower	Upper
43	100		
86	8.3	8.1	12.1
42	10.1	7.5	11.3
44	5.1	4.5	6.7

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

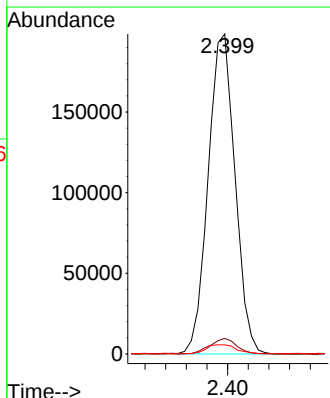
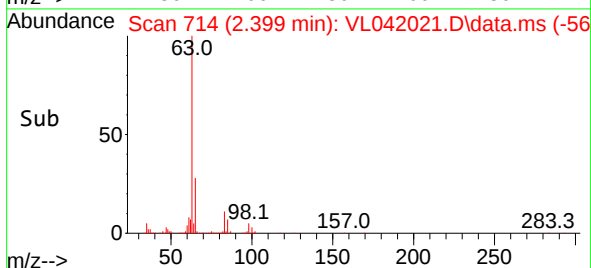


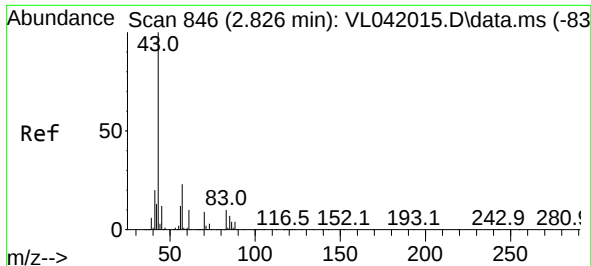
#24
 1,1-Dichloroethane
 Concen: 14.485 ppbv
 RT: 2.399 min Scan# 714
 Delta R.T. -0.004 min
 Lab File: VL042021.D
 Acq: 14 Feb 2025 15:31



Tgt Ion: 63 Resp: 179098

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.4	7.2
100	2.8	1.6	4.8





#25

Ethyl Acetate

Concen: 14.459 ppbv

RT: 2.823 min Scan# 84

Delta R.T. -0.004 min

Lab File: VL042021.D

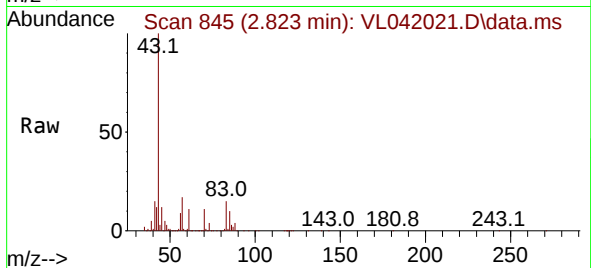
Acq: 14 Feb 2025 15:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015



Tgt Ion: 43 Resp: 569390

Ion Ratio Lower Upper

43 100

45 10.4 8.1 12.1

61 9.4 7.5 11.3

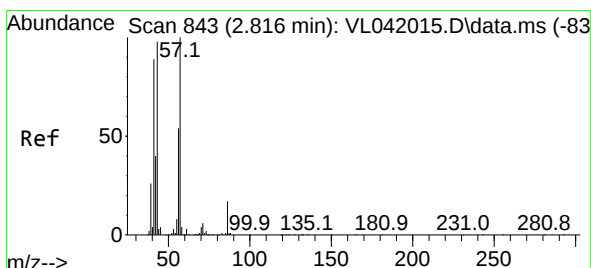
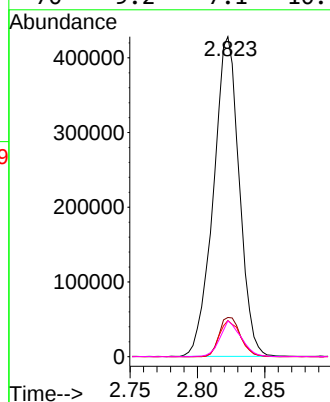
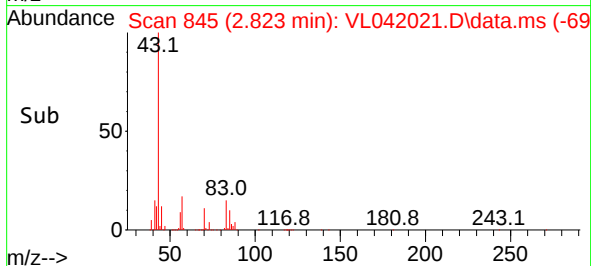
70 9.2 7.1 10.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#26

Hexane

Concen: 14.459 ppbv

RT: 2.813 min Scan# 842

Delta R.T. -0.004 min

Lab File: VL042021.D

Acq: 14 Feb 2025 15:31

Tgt Ion: 57 Resp: 228493

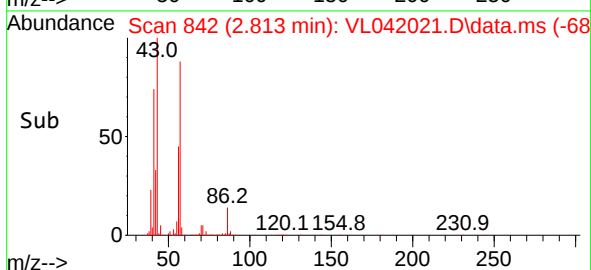
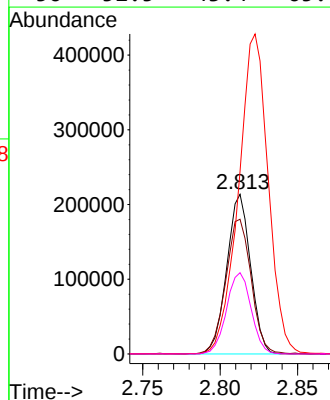
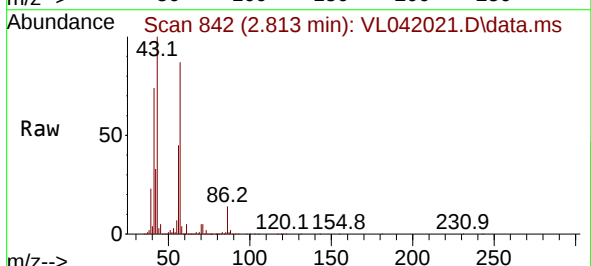
Ion Ratio Lower Upper

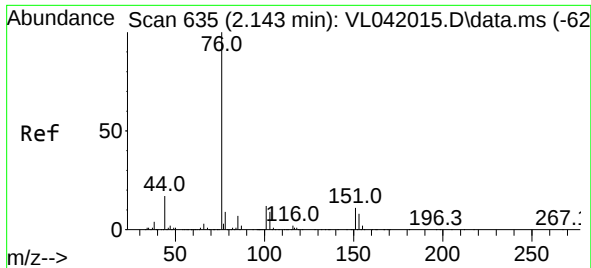
57 100

41 91.3 73.2 109.8

43 249.8 200.8 301.2

56 52.5 43.4 65.0





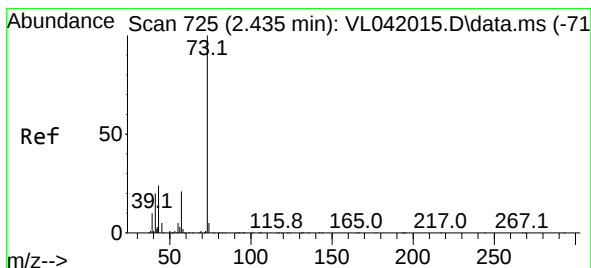
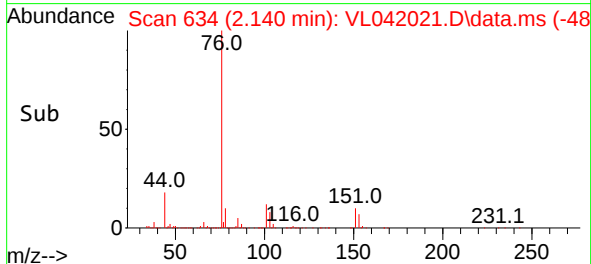
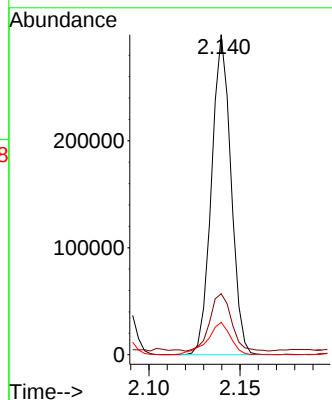
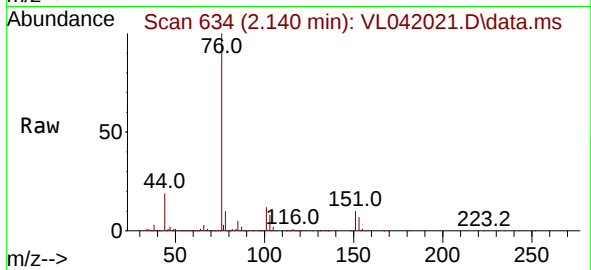
#27
Carbon Disulfide
Concen: 14.941 ppbv
RT: 2.140 min Scan# 611
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 76 Resp: 222061
Ion Ratio Lower Upper
76 100
44 20.8 18.1 27.1
78 12.0 9.5 14.3

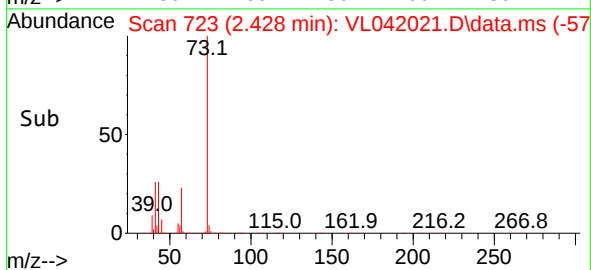
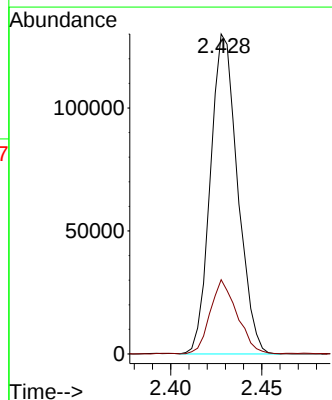
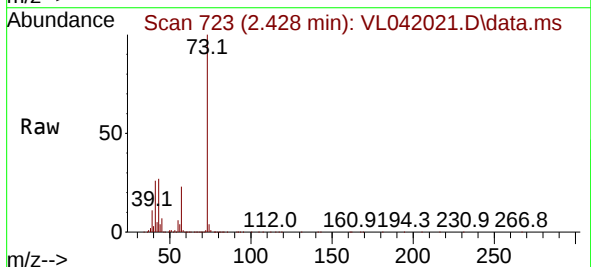
Manual Integrations
APPROVED

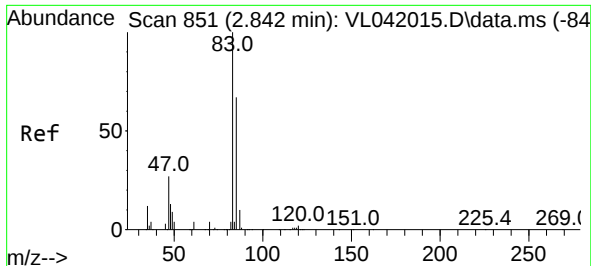
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#28
Methyl tert-Butyl Ether
Concen: 14.003 ppbv
RT: 2.428 min Scan# 723
Delta R.T. -0.007 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

Tgt Ion: 73 Resp: 135275
Ion Ratio Lower Upper
73 100
57 23.4 18.3 27.5





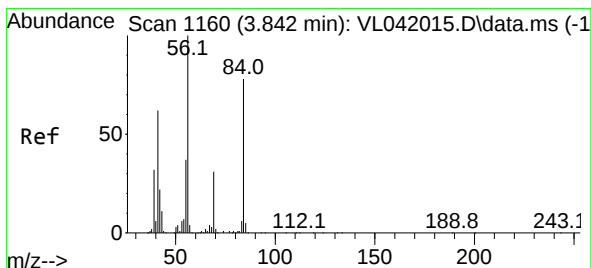
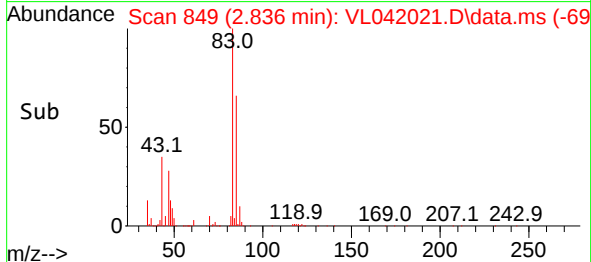
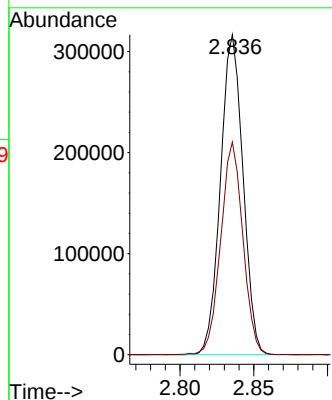
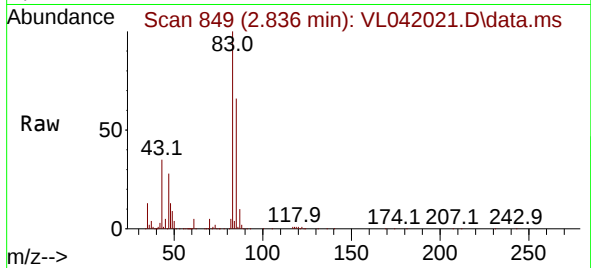
#29
Chloroform
Concen: 14.680 ppbv
RT: 2.836 min Scan# 84
Delta R.T. -0.007 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 83 Resp: 336000
Ion Ratio Lower Upper
83 100
85 66.4 53.8 80.6

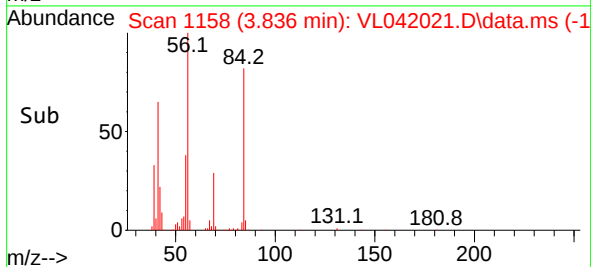
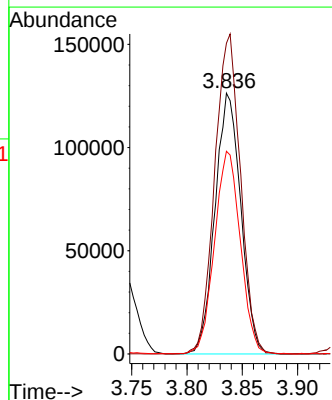
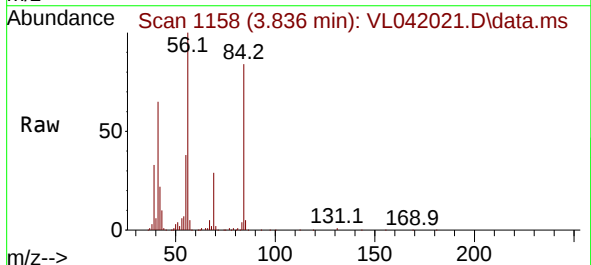
Manual Integrations
APPROVED

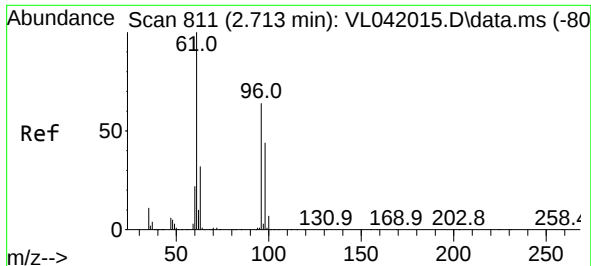
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#30
Cyclohexane
Concen: 14.786 ppbv
RT: 3.836 min Scan# 1158
Delta R.T. -0.007 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

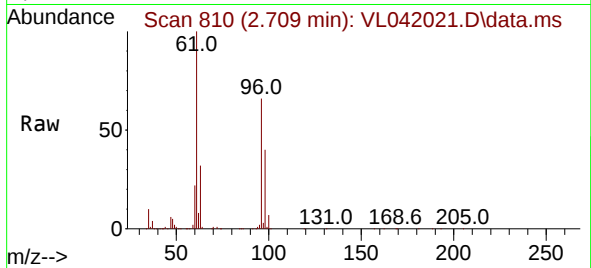
Tgt Ion: 84 Resp: 204650
Ion Ratio Lower Upper
84 100
56 122.5 99.5 149.3
41 78.1 62.2 93.2





#31
 cis-1,2-Dichloroethene
 Concen: 14.967 ppbv
 RT: 2.709 min Scan# 811
 Delta R.T. -0.004 min
 Lab File: VL042021.D
 Acq: 14 Feb 2025 15:31

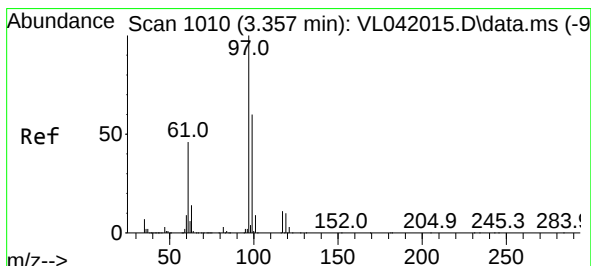
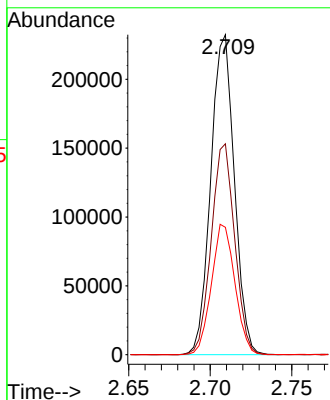
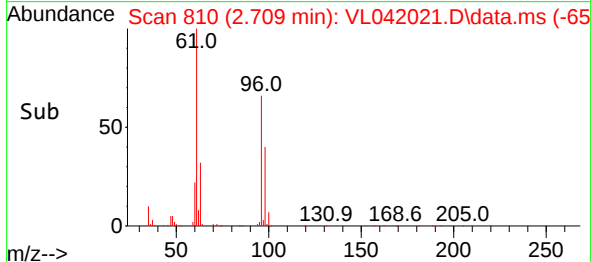
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



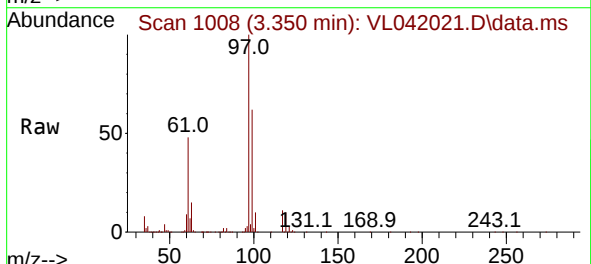
Tgt Ion: 61 Resp: 23376
 Ion Ratio Lower Upper
 61 100
 96 65.9 51.6 77.4
 98 39.8 34.8 52.2

Manual Integrations
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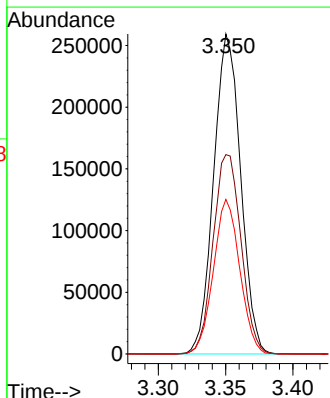
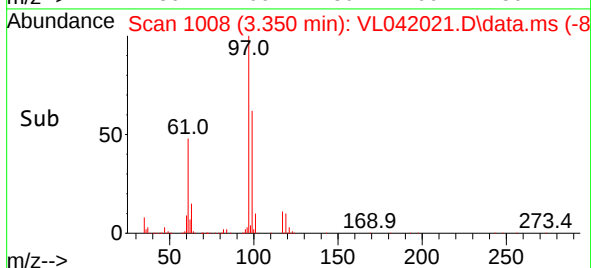
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

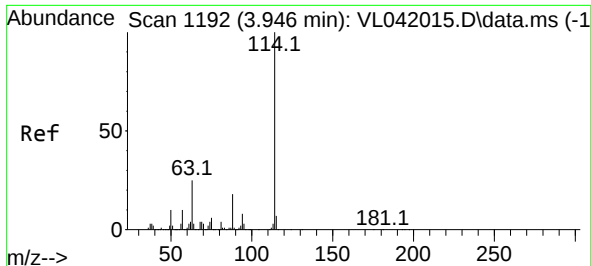


#32
 1,1,1-Trichloroethane
 Concen: 14.247 ppbv
 RT: 3.350 min Scan# 1008
 Delta R.T. -0.007 min
 Lab File: VL042021.D
 Acq: 14 Feb 2025 15:31



Tgt Ion: 97 Resp: 361627
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.0 76.4
 61 47.2 37.9 56.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.936 min Scan# 1189

Delta R.T. -0.010 min

Lab File: VL042021.D

Acq: 14 Feb 2025 15:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:114 Resp: 262414

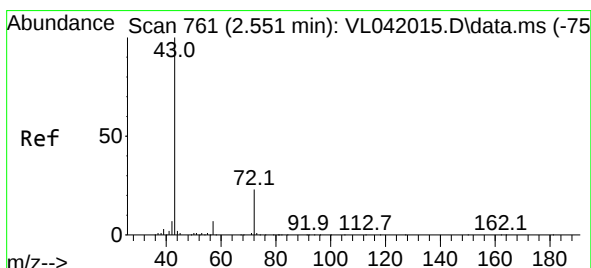
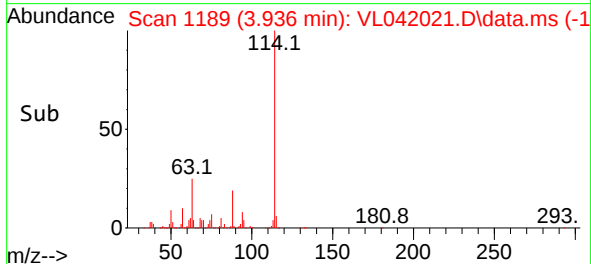
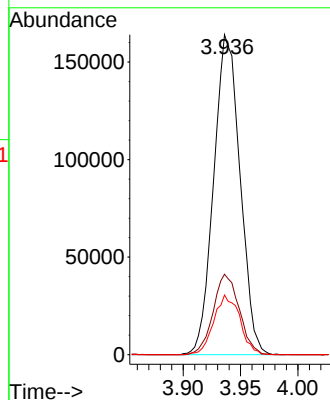
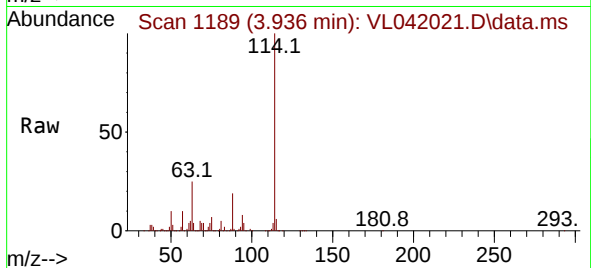
Ion	Ratio	Lower	Upper
114	100		
63	24.9	20.2	30.2
88	18.4	14.4	21.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#34

2-Butanone

Concen: 14.409 ppbv

RT: 2.544 min Scan# 759

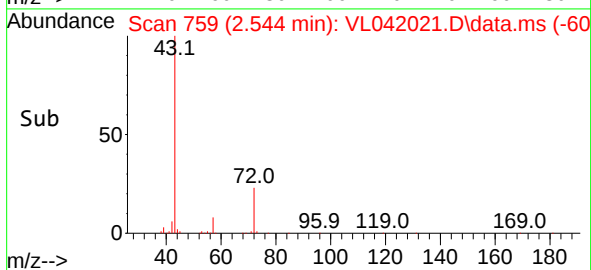
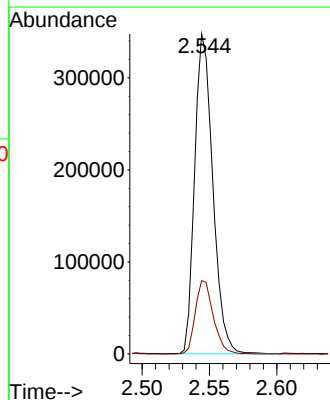
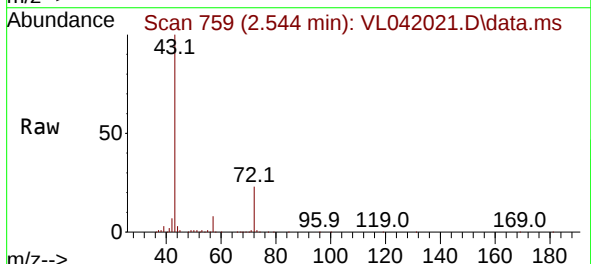
Delta R.T. -0.007 min

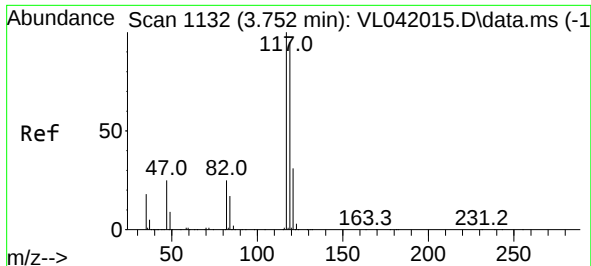
Lab File: VL042021.D

Acq: 14 Feb 2025 15:31

Tgt Ion: 43 Resp: 325304

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.3	27.5





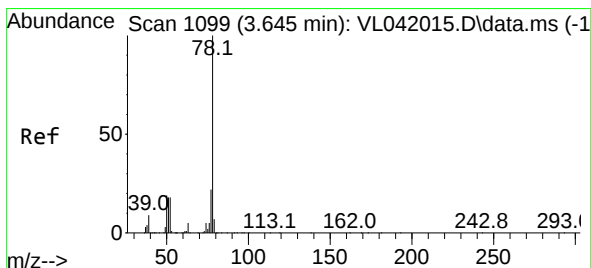
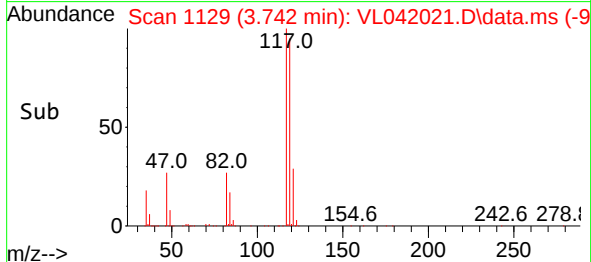
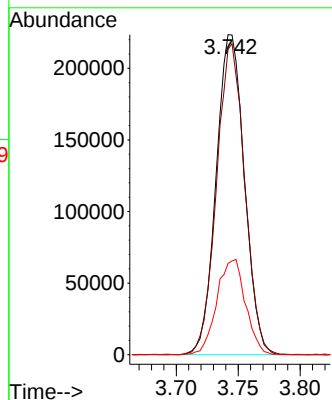
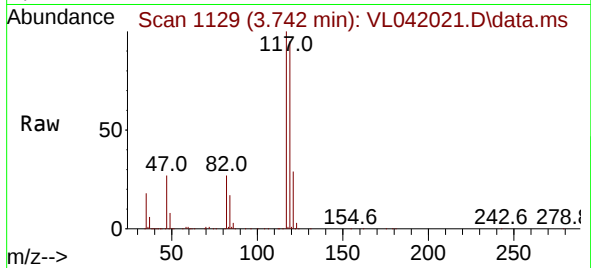
#35
Carbon Tetrachloride
Concen: 14.222 ppbv
RT: 3.742 min Scan# 1132
Delta R.T. -0.010 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:117 Resp: 355299
Ion Ratio Lower Upper
117 100
119 95.4 75.8 113.6
121 28.5 24.6 36.8

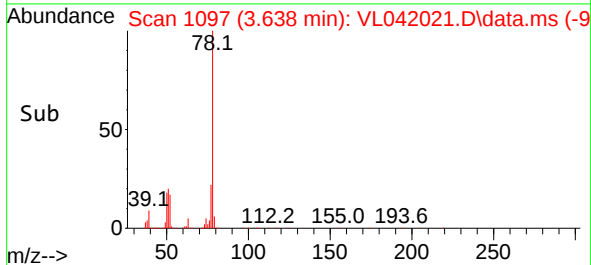
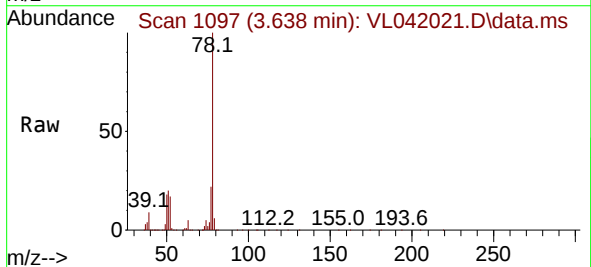
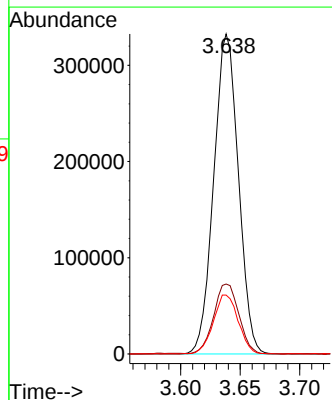
Manual Integrations
APPROVED

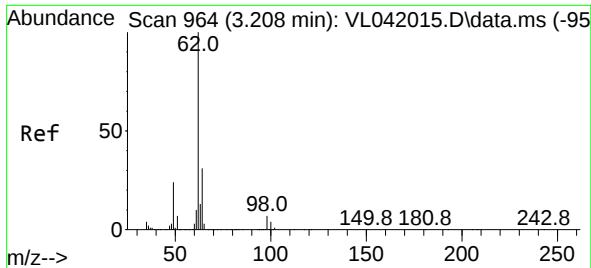
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#36
Benzene
Concen: 15.026 ppbv
RT: 3.638 min Scan# 1097
Delta R.T. -0.007 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

Tgt Ion: 78 Resp: 477637
Ion Ratio Lower Upper
78 100
77 21.9 18.0 27.0
50 18.4 15.2 22.8





#37

1,2-Dichloroethane

Concen: 14.659 ppbv

RT: 3.204 min Scan# 9

Delta R.T. -0.004 min

Lab File: VL042021.D

Acq: 14 Feb 2025 15:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 62 Resp: 26526

Ion Ratio Lower Upper

62 100

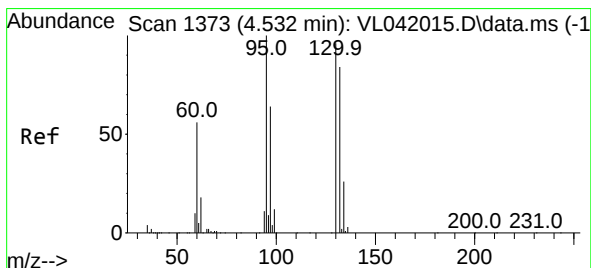
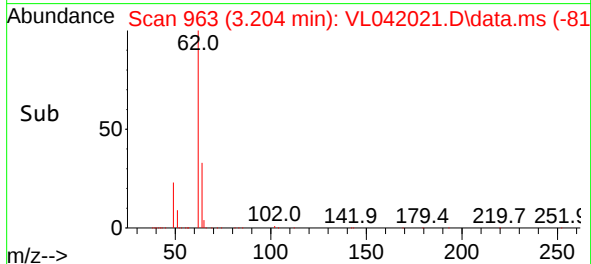
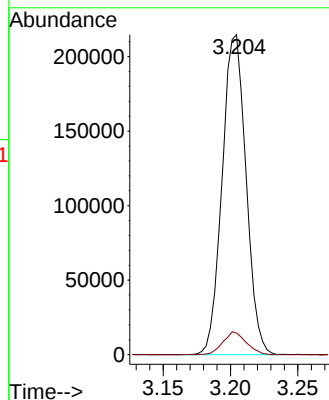
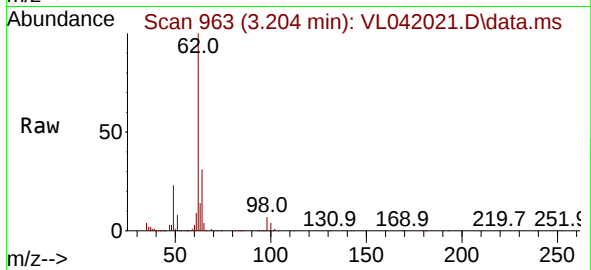
98 7.0 5.7 8.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#38

Trichloroethene

Concen: 14.041 ppbv

RT: 4.525 min Scan# 1371

Delta R.T. -0.007 min

Lab File: VL042021.D

Acq: 14 Feb 2025 15:31

Tgt Ion:130 Resp: 183311

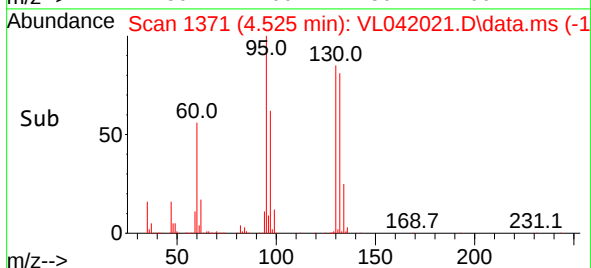
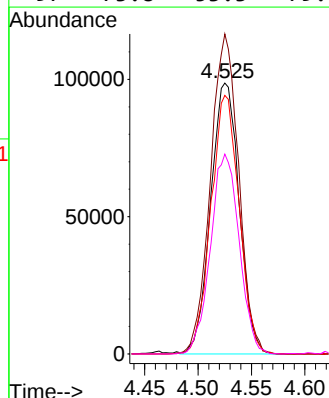
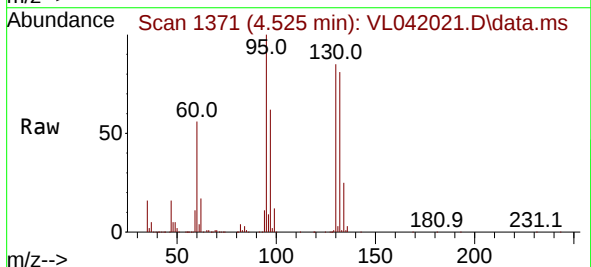
Ion Ratio Lower Upper

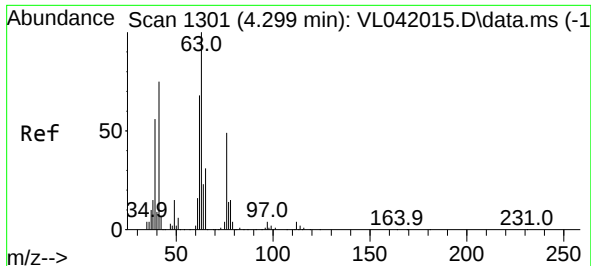
130 100

95 118.2 82.8 124.2

132 95.4 70.0 105.0

97 73.8 53.3 79.9





#39

1,2-Dichloropropane

Concen: 14.715 ppbv

RT: 4.289 min Scan# 1298

Delta R.T. -0.010 min

Lab File: VL042021.D

Acq: 14 Feb 2025 15:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 63 Resp: 17353

Ion Ratio Lower Upper

63 100

41 71.0 60.1 90.1

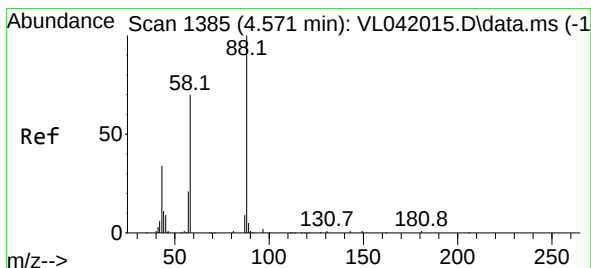
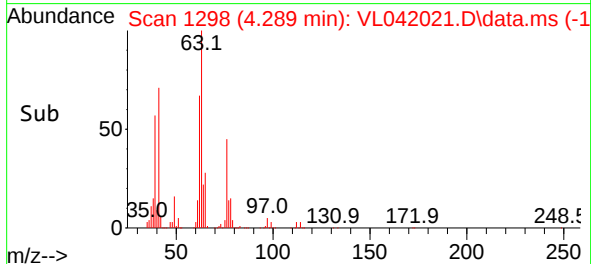
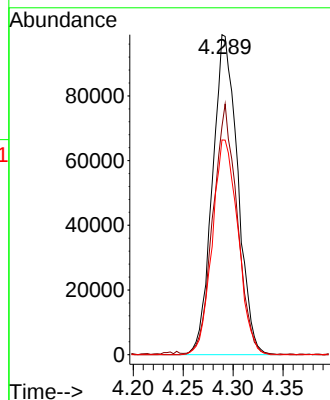
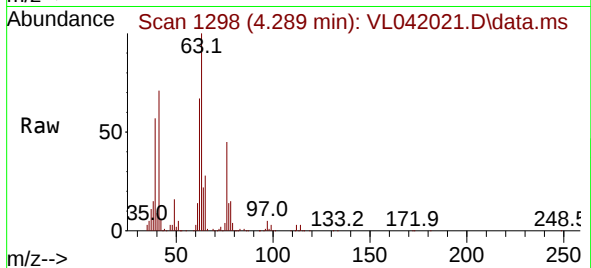
62 67.1 54.0 81.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#40

1,4-Dioxane

Concen: 13.560 ppbv

RT: 4.561 min Scan# 1382

Delta R.T. -0.010 min

Lab File: VL042021.D

Acq: 14 Feb 2025 15:31

Tgt Ion: 88 Resp: 81743

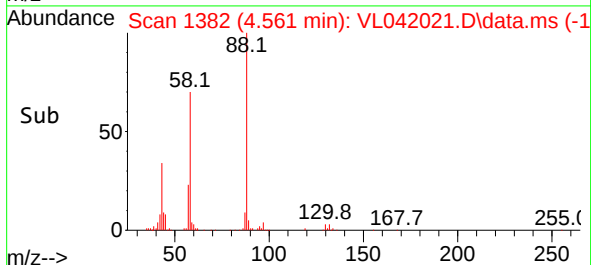
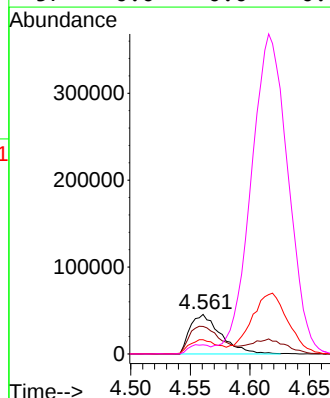
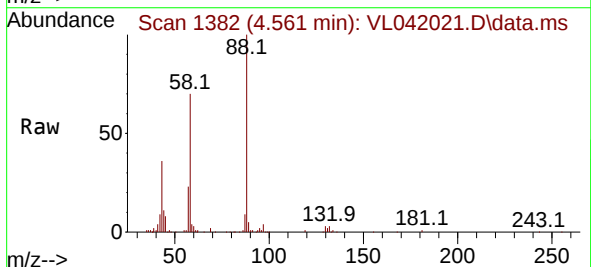
Ion Ratio Lower Upper

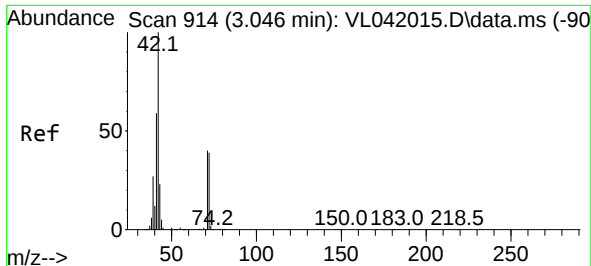
88 100

58 73.7 58.1 87.1

43 35.3 27.3 40.9

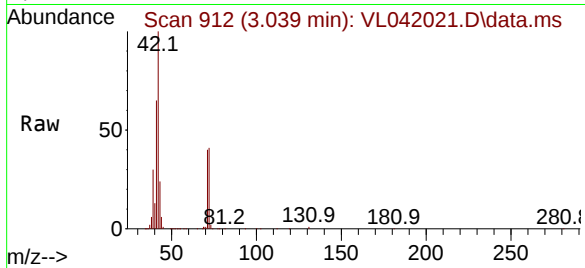
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 14.339 ppbv
RT: 3.039 min Scan# 914
Delta R.T. -0.007 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

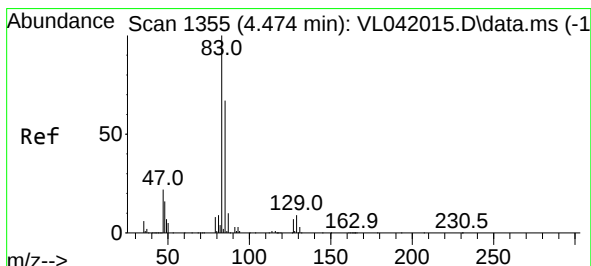
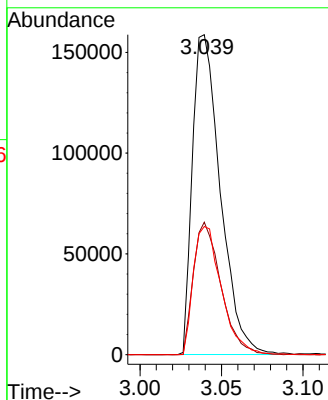
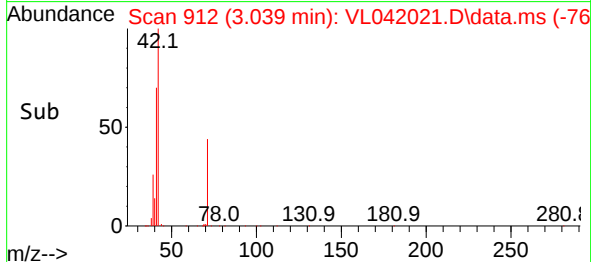
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 42 Resp: 18890
Ion Ratio Lower Upper
42 100
72 40.9 32.3 48.5
71 40.5 30.9 46.3

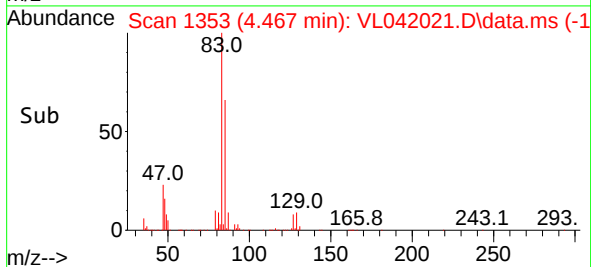
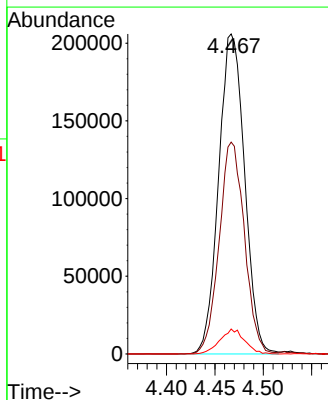
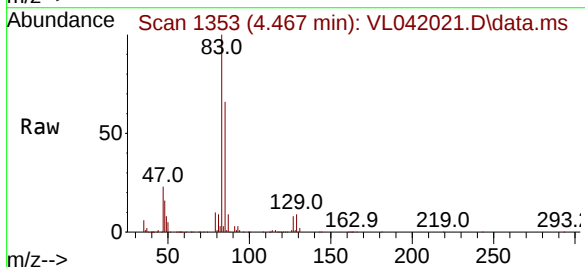
Manual Integrations
APPROVED

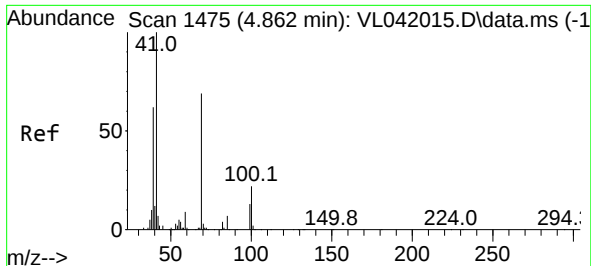
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#42
Bromodichloromethane
Concen: 15.642 ppbv
RT: 4.467 min Scan# 1353
Delta R.T. -0.007 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

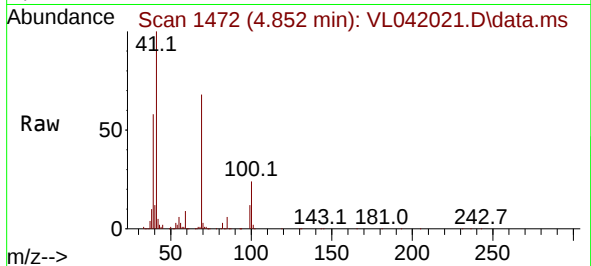
Tgt Ion: 83 Resp: 383649
Ion Ratio Lower Upper
83 100
85 66.2 53.3 79.9
127 7.8 6.0 9.0





#43
Methyl Methacrylate
Concen: 13.671 ppbv
RT: 4.852 min Scan# 1475
Delta R.T. -0.010 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

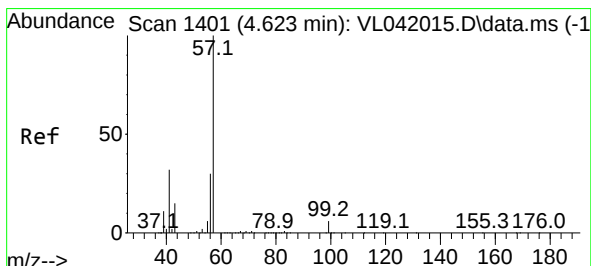
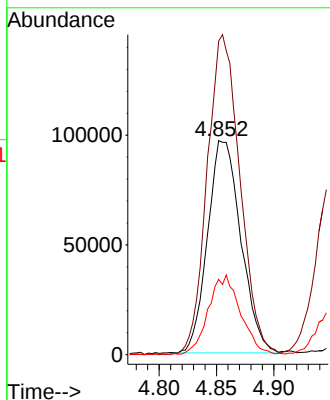
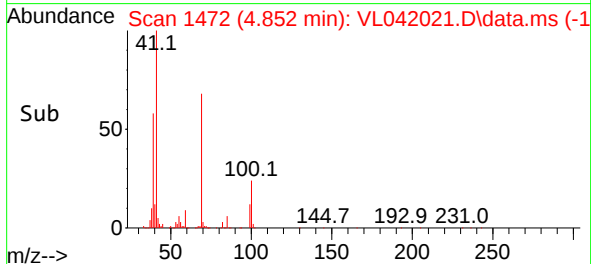
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



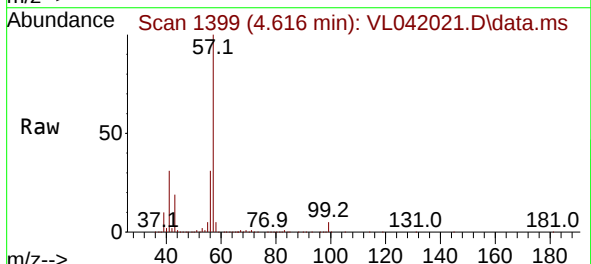
Tgt Ion: 69 Resp: 19534
Ion Ratio Lower Upper
69 100
41 148.3 114.9 172.3
100 36.4 28.8 43.2

Manual Integrations
APPROVED

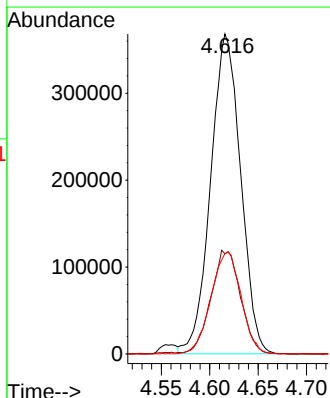
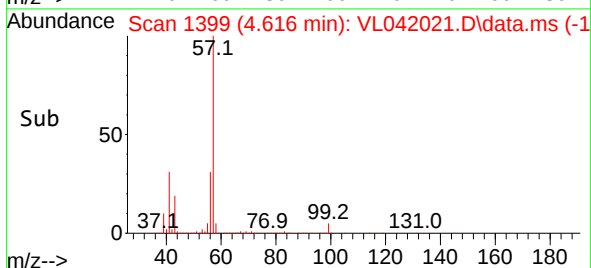
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

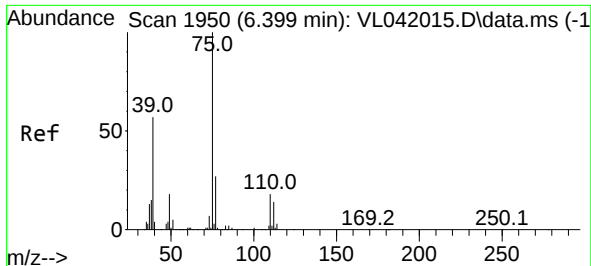


#44
2,2,4-Trimethylpentane
Concen: 14.684 ppbv
RT: 4.616 min Scan# 1399
Delta R.T. -0.007 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31



Tgt Ion: 57 Resp: 792396
Ion Ratio Lower Upper
57 100
41 32.6 25.9 38.9
56 32.0 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 15.480 ppbv

RT: 6.389 min Scan# 1950

Delta R.T. -0.010 min

Lab File: VL042021.D

Acq: 14 Feb 2025 15:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 75 Resp: 212040

Ion Ratio Lower Upper

75 100

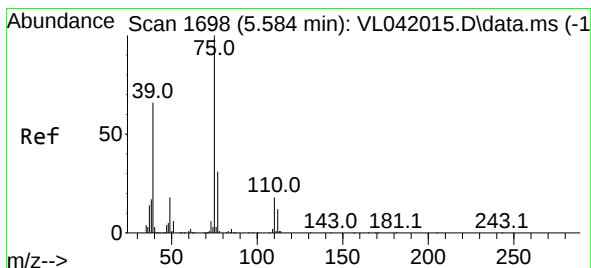
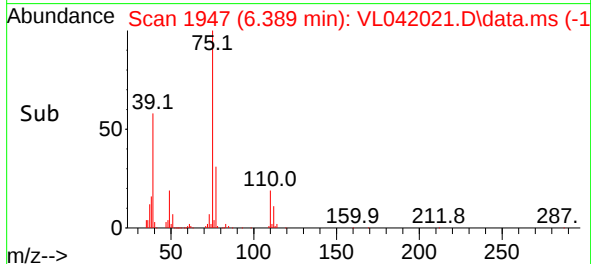
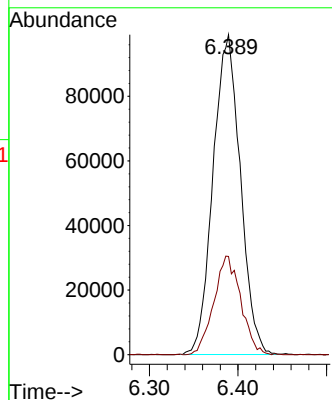
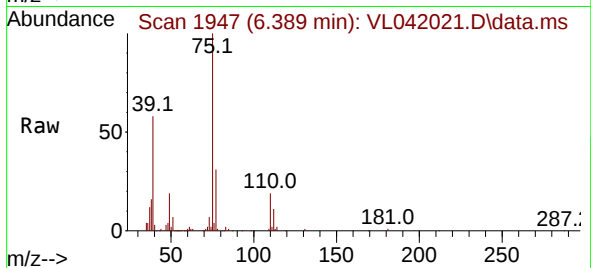
77 30.7 22.1 33.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#46

cis-1,3-Dichloropropene

Concen: 15.119 ppbv

RT: 5.570 min Scan# 1694

Delta R.T. -0.013 min

Lab File: VL042021.D

Acq: 14 Feb 2025 15:31

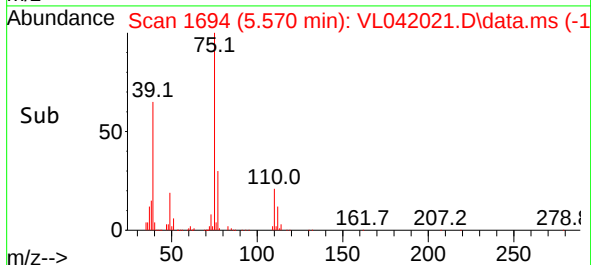
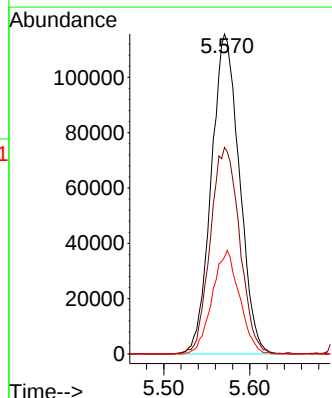
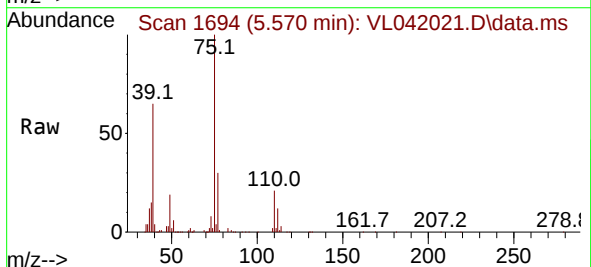
Tgt Ion: 75 Resp: 262404

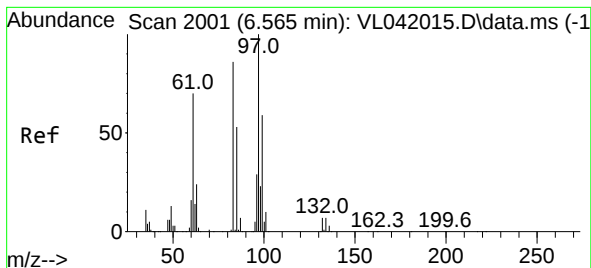
Ion Ratio Lower Upper

75 100

39 64.3 52.2 78.4

77 30.3 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 15.018 ppbv

RT: 6.558 min Scan# 1999

Delta R.T. -0.007 min

Lab File: VL042021.D

Acq: 14 Feb 2025 15:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 18418

Ion Ratio Lower Upper

97 100

83 80.6 68.6 102.8

85 52.3 42.2 63.4

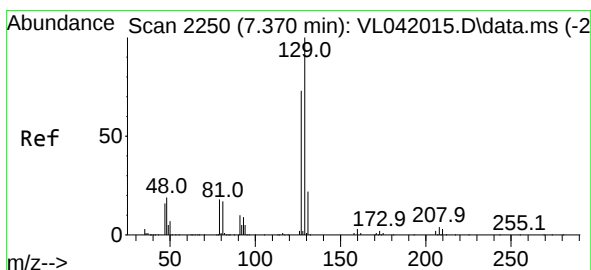
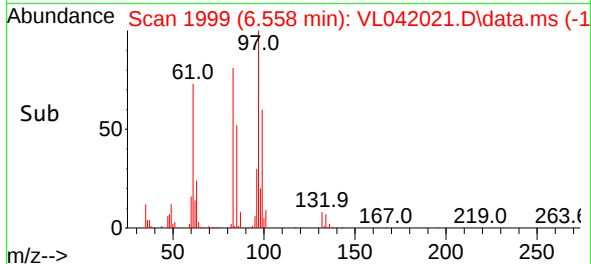
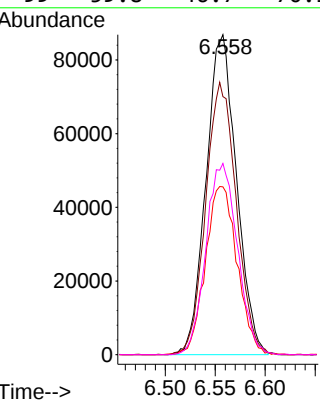
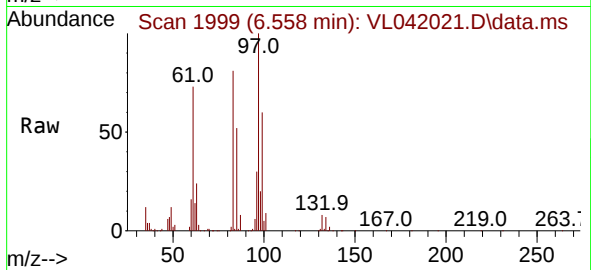
99 59.8 46.7 70.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#48

Dibromochloromethane

Concen: 15.086 ppbv

RT: 7.367 min Scan# 2249

Delta R.T. -0.004 min

Lab File: VL042021.D

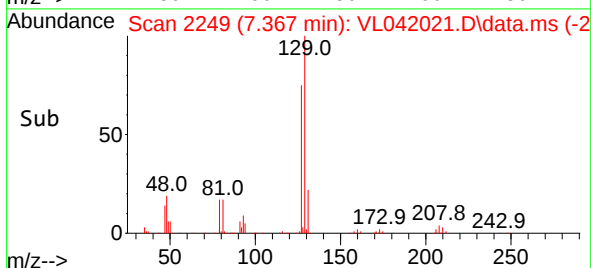
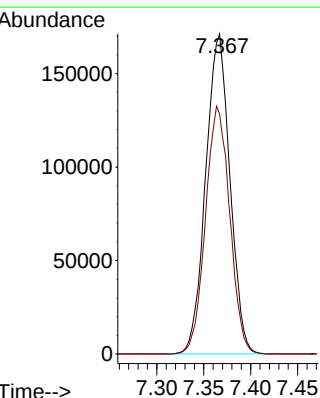
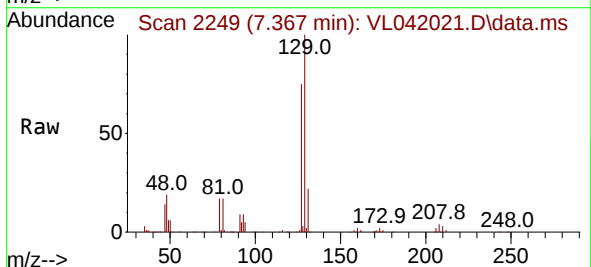
Acq: 14 Feb 2025 15:31

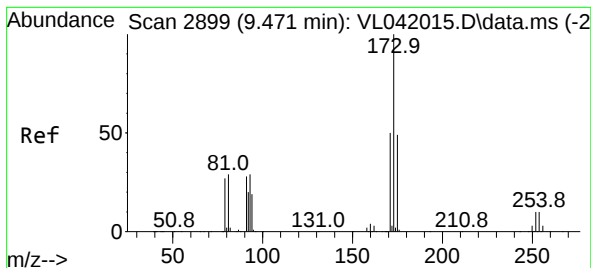
Tgt Ion:129 Resp: 307444

Ion Ratio Lower Upper

129 100

127 77.5 38.2 114.6





#49

Bromoform

Concen: 15.207 ppbv

RT: 9.467 min Scan# 21

Delta R.T. -0.004 min

Lab File: VL042021.D

Acq: 14 Feb 2025 15:31

Instrument :

MSVOA_L

ClientSampleId :

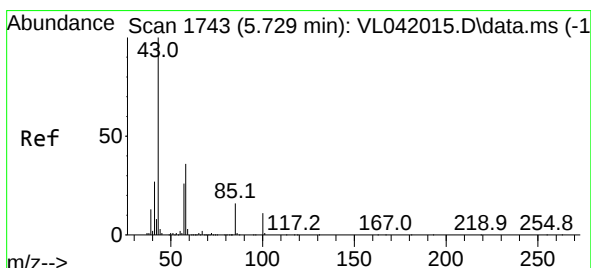
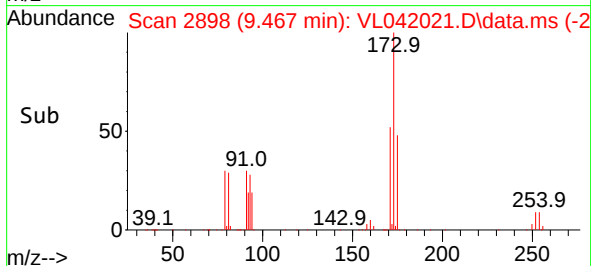
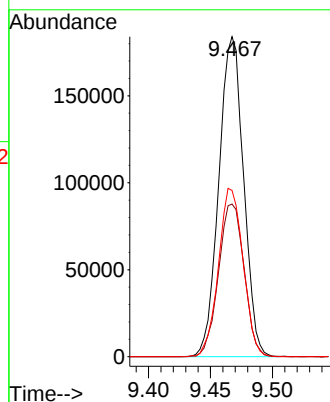
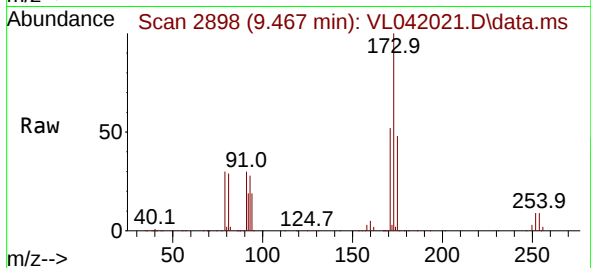
VSTDIC015

Tgt Ion:173 Resp: 256214
 Ion Ratio Lower Upper
 173 100
 175 49.3 39.3 58.9
 171 52.3 41.4 62.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025



#50

4-Methyl-2-Pentanone

Concen: 14.067 ppbv

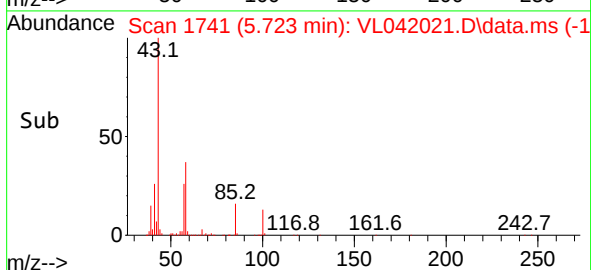
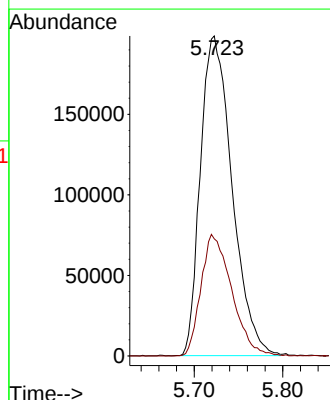
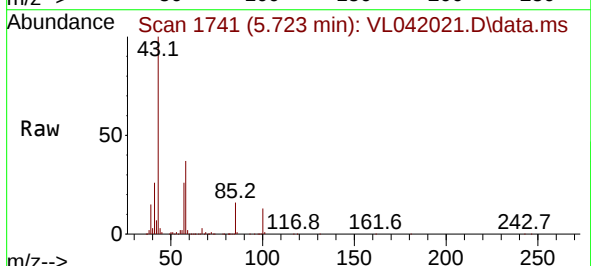
RT: 5.723 min Scan# 1741

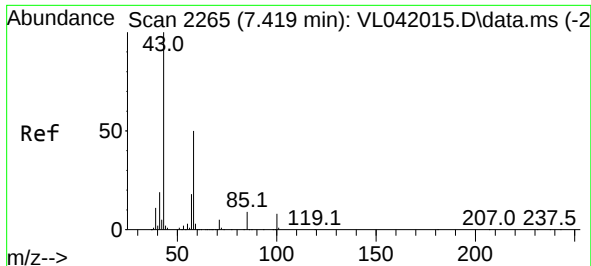
Delta R.T. -0.007 min

Lab File: VL042021.D

Acq: 14 Feb 2025 15:31

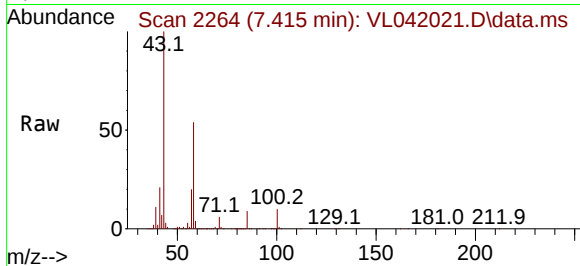
Tgt Ion: 43 Resp: 493570
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.4 44.0





#51
2-Hexanone
Concen: 14.128 ppbv
RT: 7.415 min Scan# 21
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

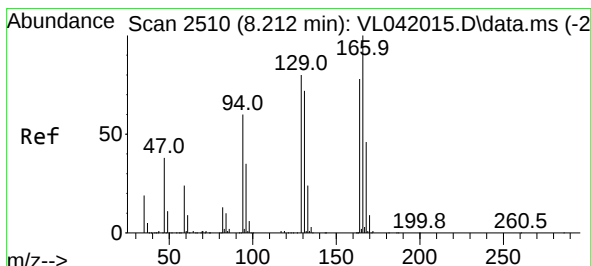
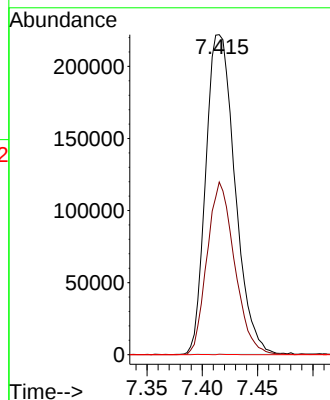
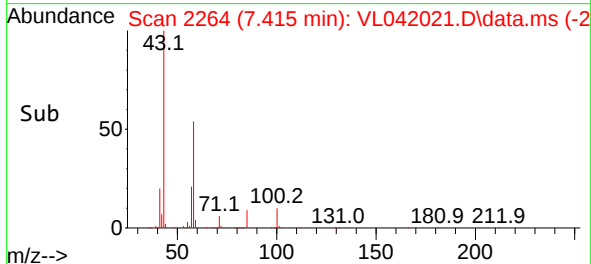
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 43 Resp: 40628
Ion Ratio Lower Upper
43 100
58 51.0 41.4 62.0
98 0.1 0.0 0.0

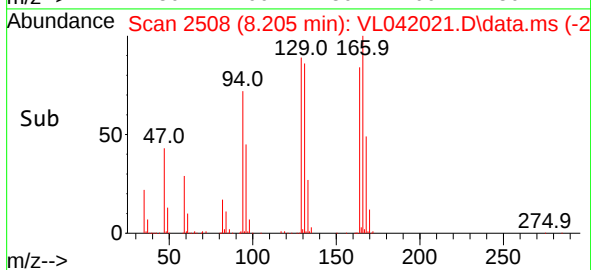
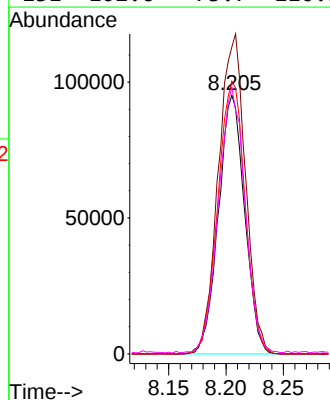
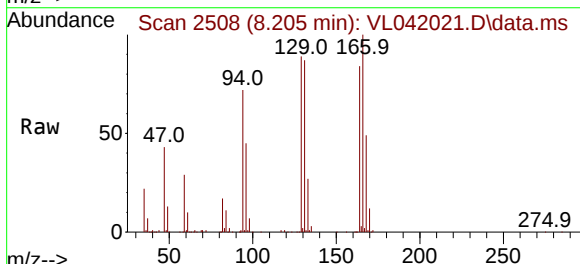
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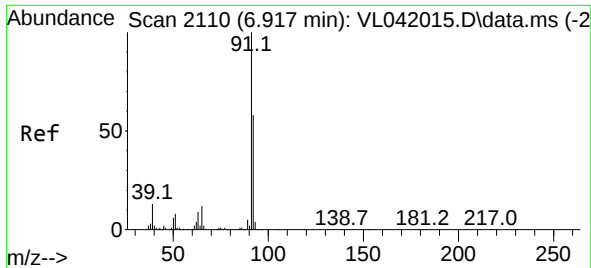
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#52
Tetrachloroethene
Concen: 13.578 ppbv
RT: 8.205 min Scan# 2508
Delta R.T. -0.007 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

Tgt Ion:164 Resp: 150659
Ion Ratio Lower Upper
164 100
166 118.7 102.2 153.2
129 105.4 82.2 123.4
131 102.6 73.7 110.5





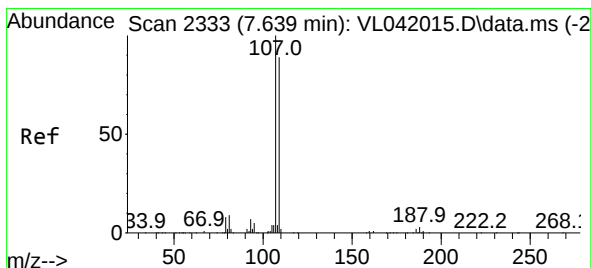
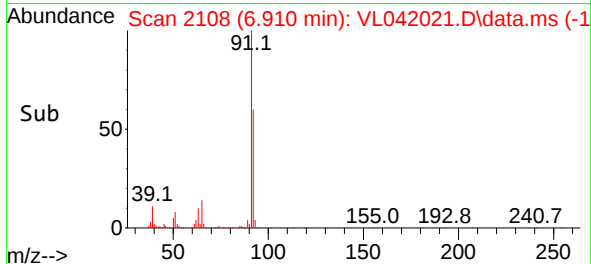
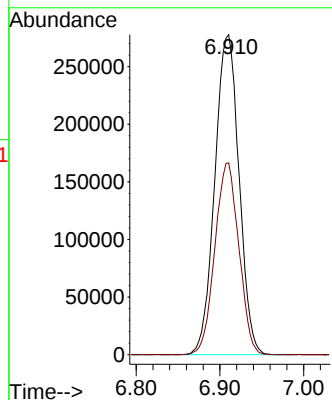
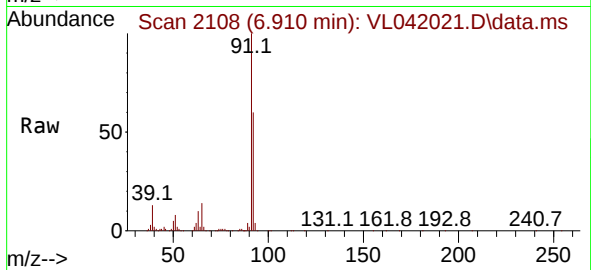
#53
Toluene
Concen: 14.831 ppbv
RT: 6.910 min Scan# 2110
Delta R.T. -0.007 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 55784
Ion Ratio Lower Upper
91 100
92 59.3 47.5 71.3

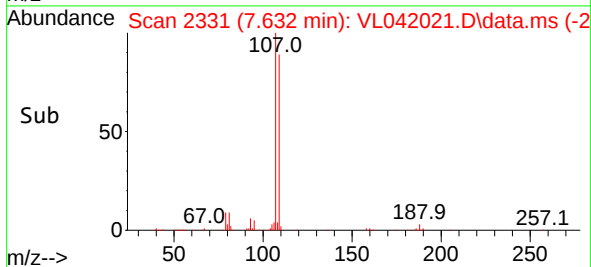
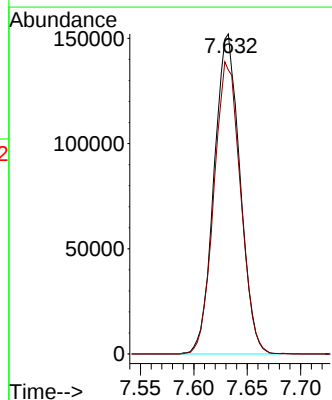
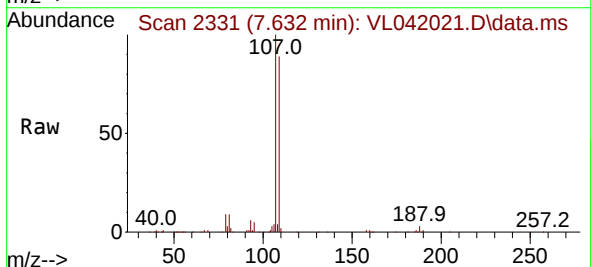
Manual Integrations
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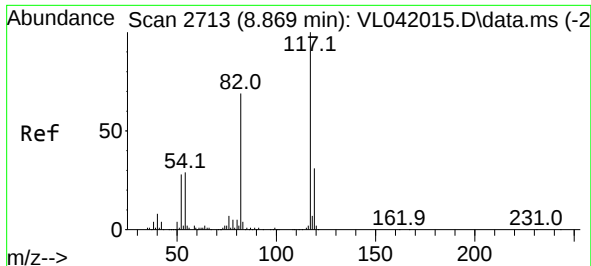
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#54
1,2-Dibromoethane
Concen: 15.004 ppbv
RT: 7.632 min Scan# 2331
Delta R.T. -0.007 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

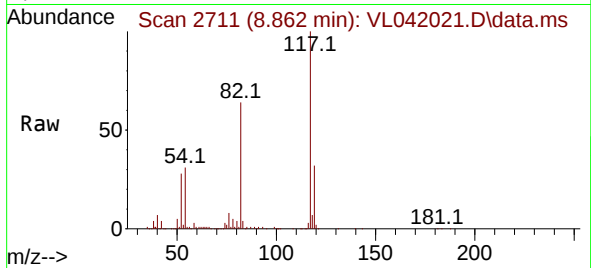
Tgt Ion:107 Resp: 256693
Ion Ratio Lower Upper
107 100
109 88.7 71.5 107.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.862 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

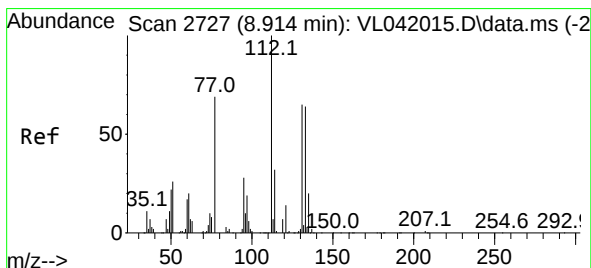
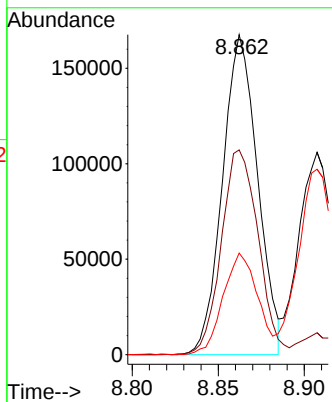
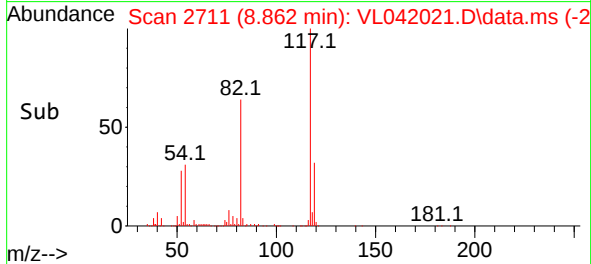
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



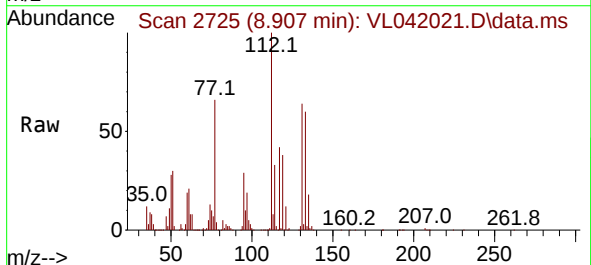
Tgt Ion:117 Resp: 237914
Ion Ratio Lower Upper
117 100
82 73.4 55.7 83.5
119 31.2 25.2 37.8

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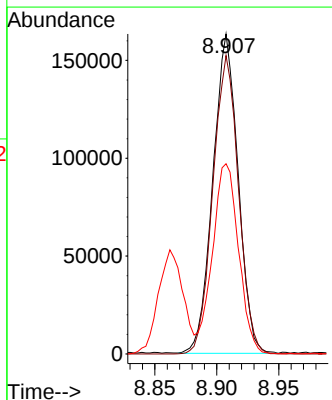
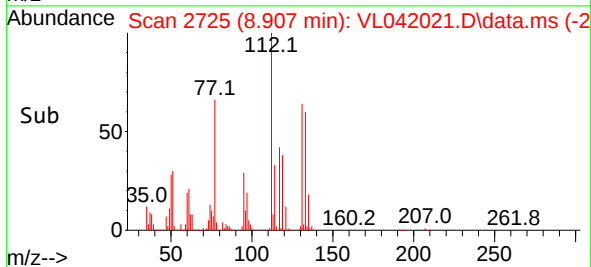
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

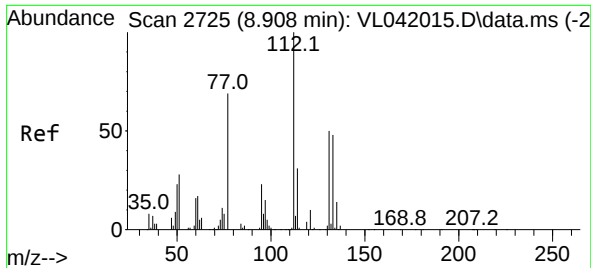


#56
1,1,1,2-Tetrachloroethane
Concen: 13.630 ppbv
RT: 8.907 min Scan# 2725
Delta R.T. -0.007 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31



Tgt Ion:131 Resp: 231487
Ion Ratio Lower Upper
131 100
133 95.1 77.8 116.8
119 61.1 49.1 73.7





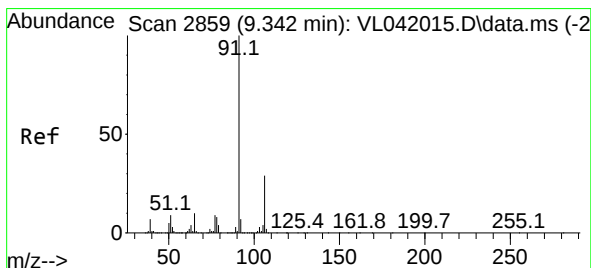
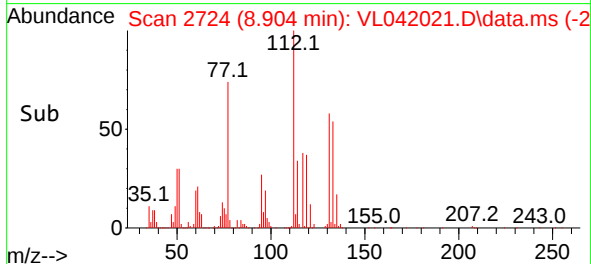
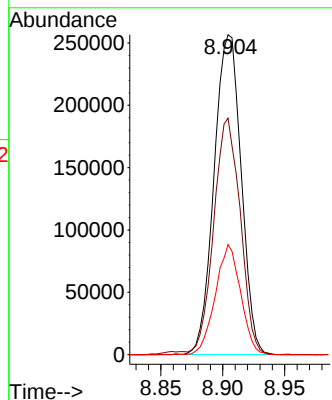
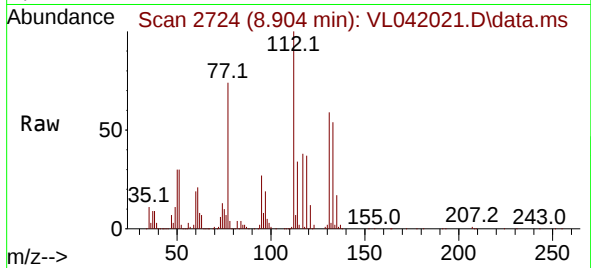
#57
Chlorobenzene
Concen: 13.982 ppbv
RT: 8.904 min Scan# 21
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:112 Resp: 391330
Ion Ratio Lower Upper
112 100
77 73.9 56.2 84.2
114 34.4 28.2 34.4

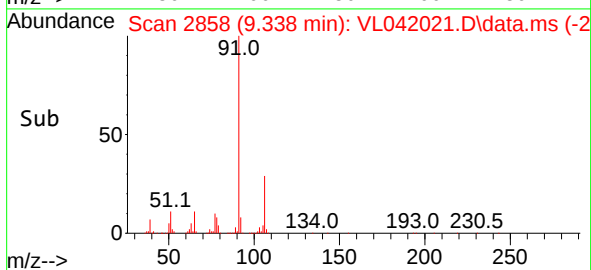
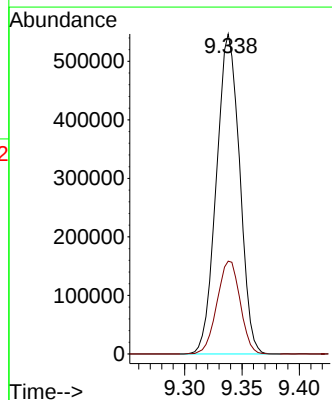
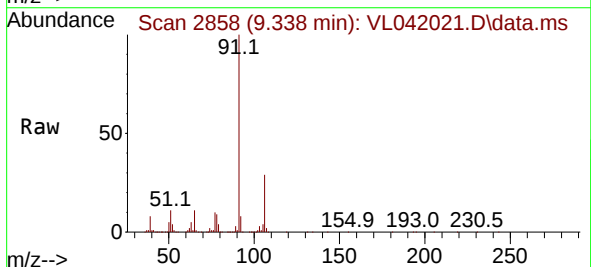
Manual Integrations
APPROVED

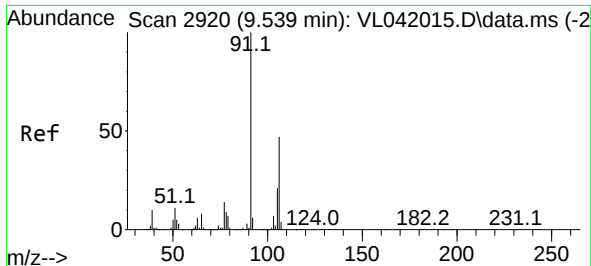
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#58
Ethyl Benzene
Concen: 14.760 ppbv
RT: 9.338 min Scan# 2858
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

Tgt Ion: 91 Resp: 768548
Ion Ratio Lower Upper
91 100
106 29.0 23.1 34.7





#59

m/p-Xylene

Concen: 29.266 ppbv m

RT: 9.535 min Scan# 2920

Delta R.T. -0.004 min

Lab File: VL042021.D

Acq: 14 Feb 2025 15:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 91 Resp: 120134

Ion Ratio Lower Upper

91 100

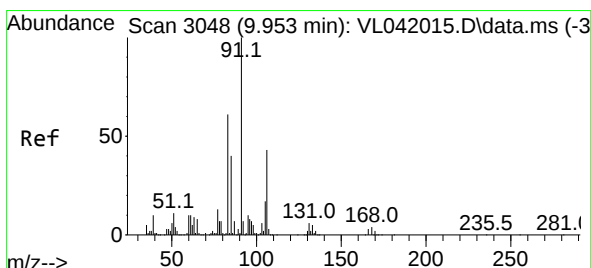
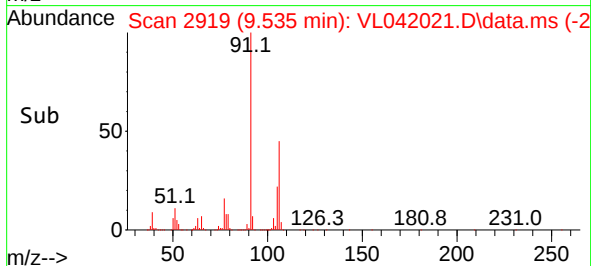
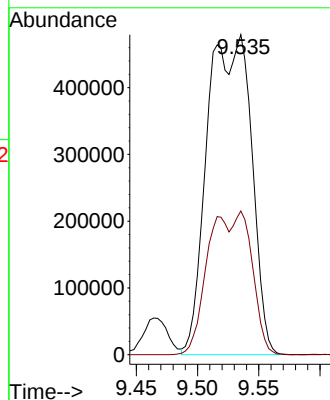
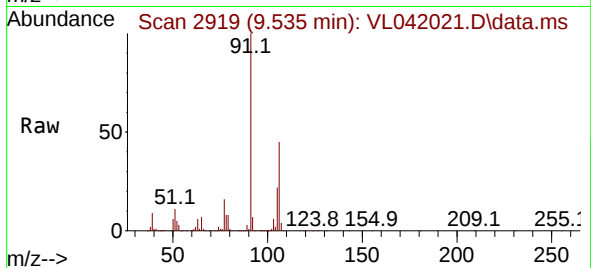
106 44.5 35.8 53.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#60

o-Xylene

Concen: 14.307 ppbv

RT: 9.946 min Scan# 3046

Delta R.T. -0.007 min

Lab File: VL042021.D

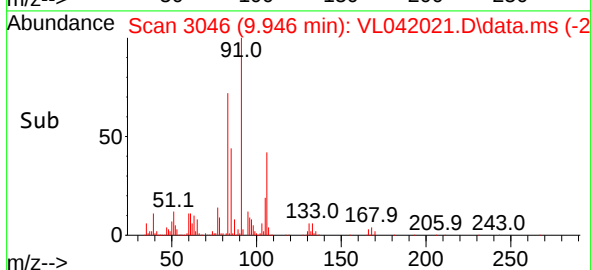
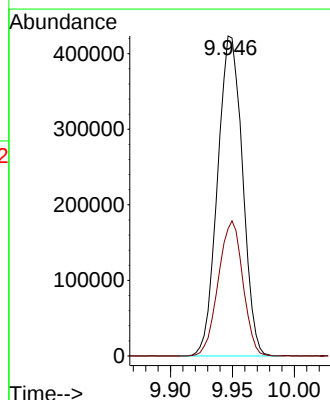
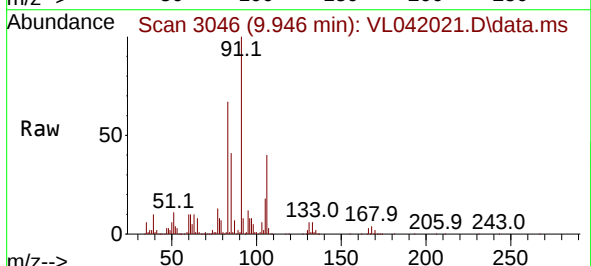
Acq: 14 Feb 2025 15:31

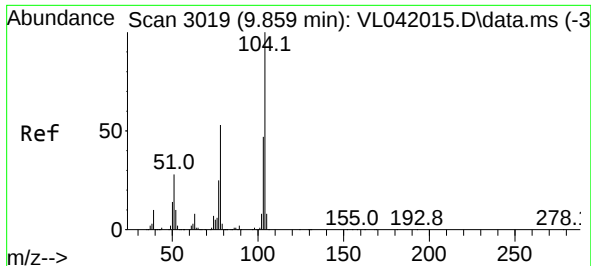
Tgt Ion: 91 Resp: 593457

Ion Ratio Lower Upper

91 100

106 41.5 21.4 64.3





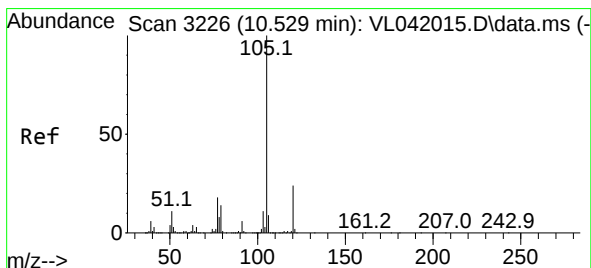
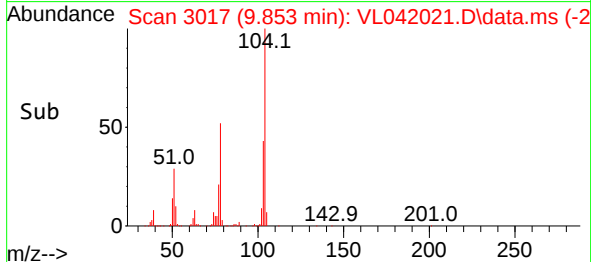
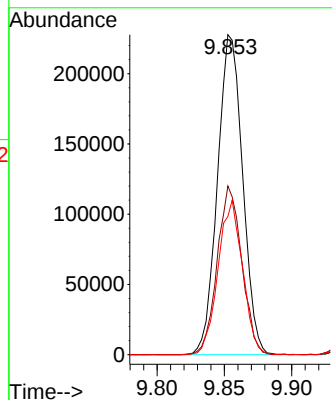
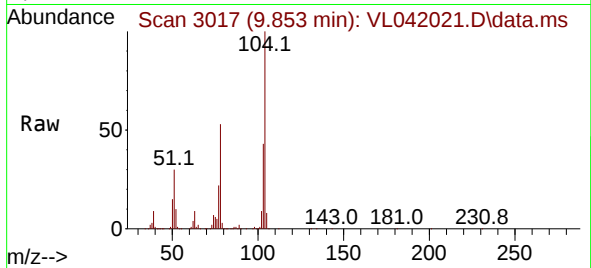
#61
Styrene
Concen: 14.978 ppbv
RT: 9.853 min Scan# 3019
Delta R.T. -0.007 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:104 Resp: 296264
Ion Ratio Lower Upper
104 100
78 51.4 42.2 63.4
103 46.8 38.1 57.1

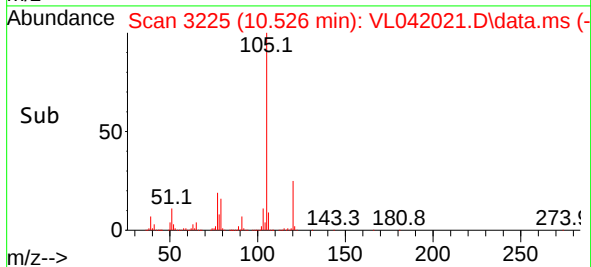
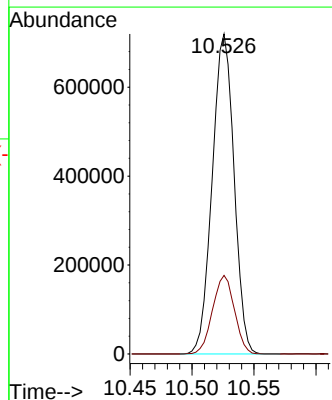
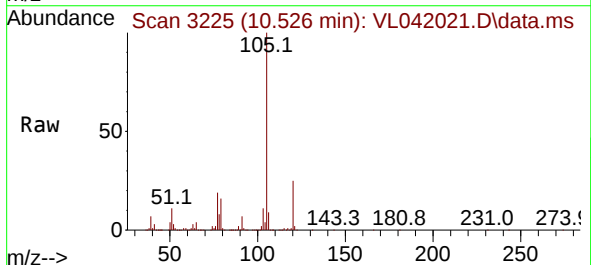
Manual Integrations
APPROVED

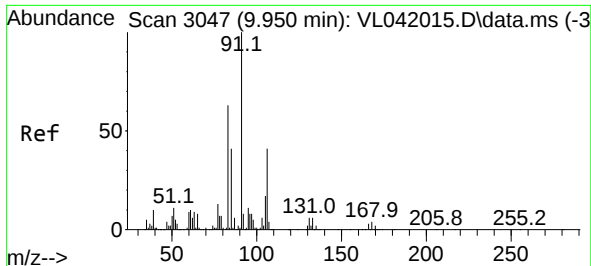
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#62
Isopropylbenzene
Concen: 14.180 ppbv
RT: 10.526 min Scan# 3225
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

Tgt Ion:105 Resp: 883027
Ion Ratio Lower Upper
105 100
120 24.6 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 13.331 ppbv

RT: 9.946 min Scan# 3047

Delta R.T. -0.004 min

Lab File: VL042021.D

Acq: 14 Feb 2025 15:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 83 Resp: 356680

Ion Ratio Lower Upper

83 100

131 9.6 5.0 15.0

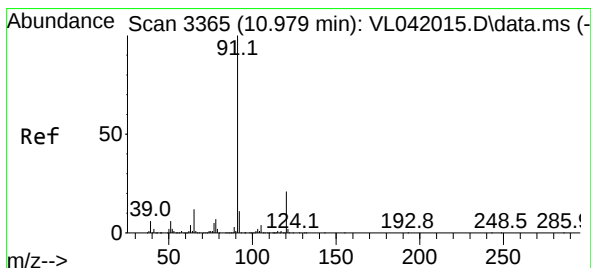
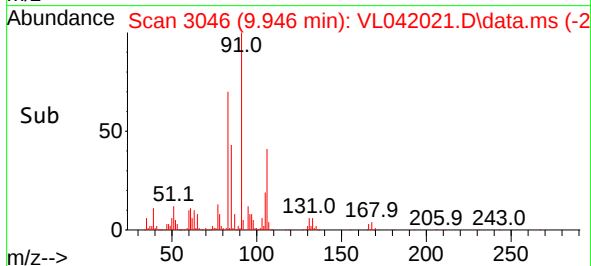
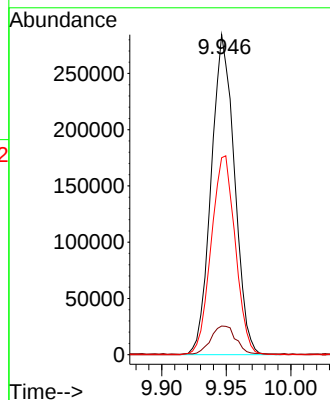
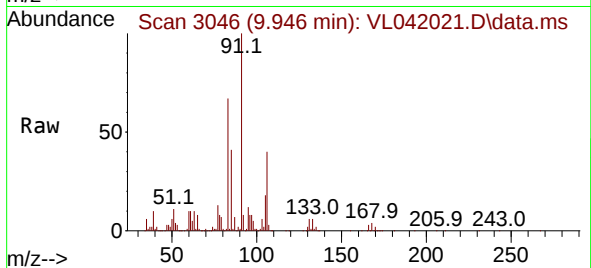
85 64.4 32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#64

n-propylbenzene

Concen: 14.304 ppbv

RT: 10.976 min Scan# 3364

Delta R.T. -0.004 min

Lab File: VL042021.D

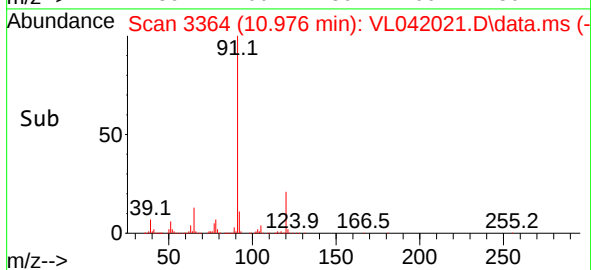
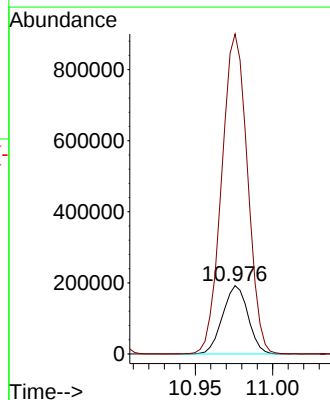
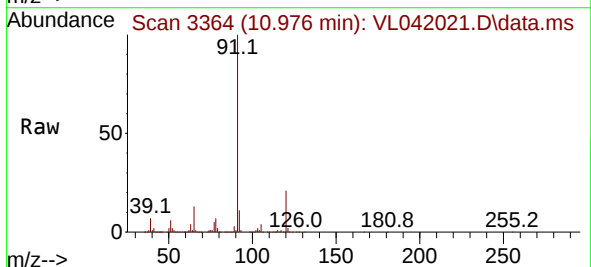
Acq: 14 Feb 2025 15:31

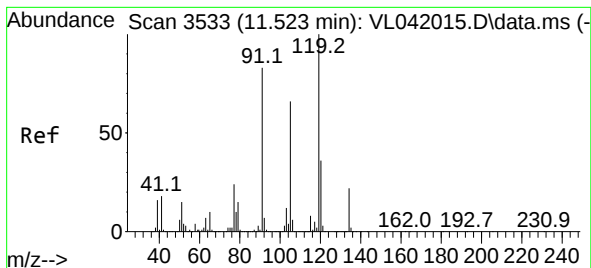
Tgt Ion:120 Resp: 218866

Ion Ratio Lower Upper

120 100

91 478.6 392.2 588.2





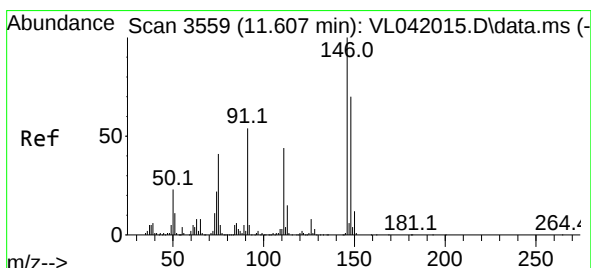
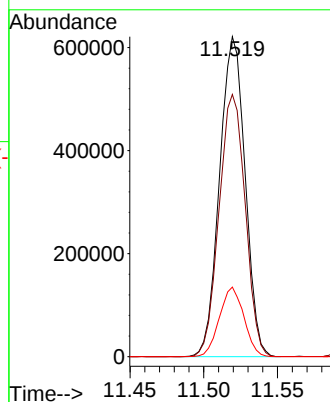
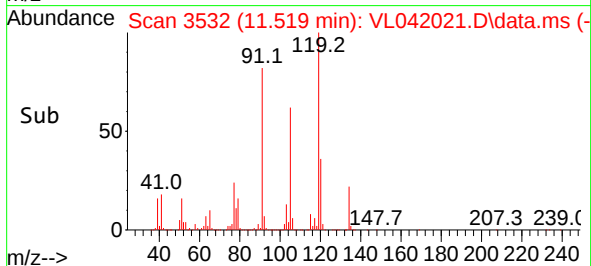
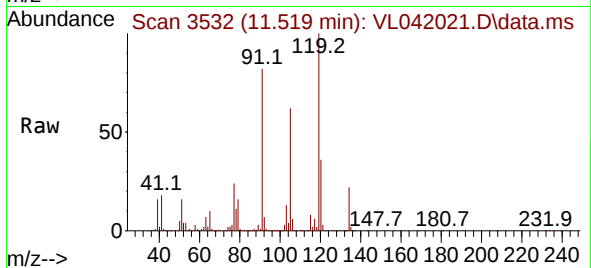
#65
tert-Butylbenzene
Concen: 13.782 ppbv
RT: 11.519 min Scan# 3532
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 119 Resp: 748190
Ion Ratio Lower Upper
119 100
91 83.9 66.5 99.7
134 20.8 16.6 24.8

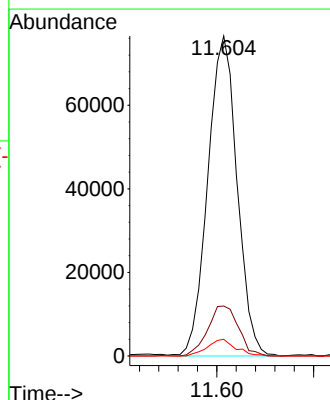
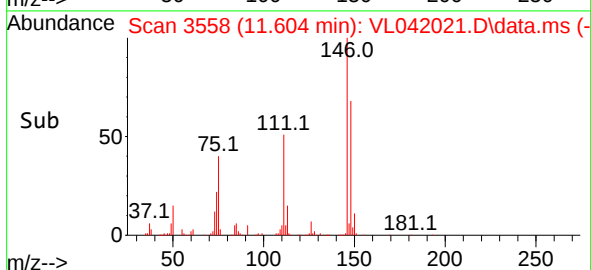
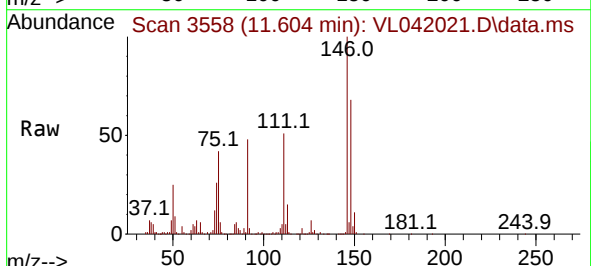
Manual Integrations
APPROVED

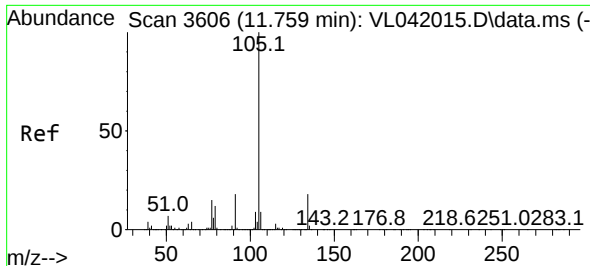
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#66
Benzyl Chloride
Concen: 14.663 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

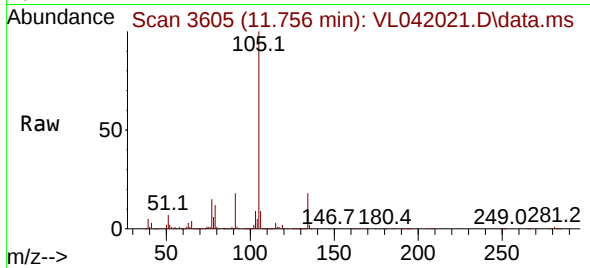
Tgt Ion: 91 Resp: 80312
Ion Ratio Lower Upper
91 100
126 16.5 13.8 20.6
128 5.0 4.1 6.1





#67
 sec-Butylbenzene
 Concen: 13.836 ppbv
 RT: 11.756 min Scan# 3174
 Delta R.T. -0.004 min
 Lab File: VL042021.D
 Acq: 14 Feb 2025 15:31

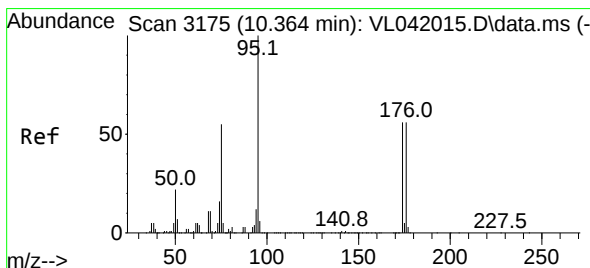
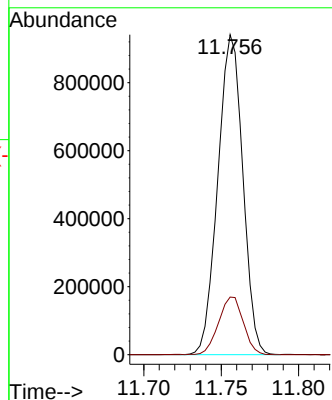
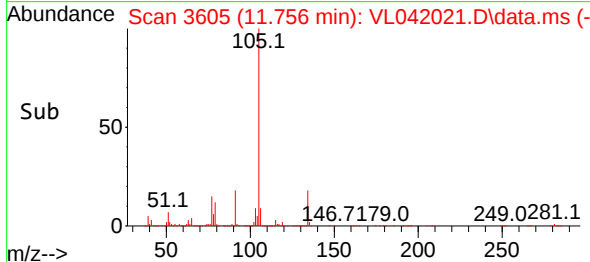
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 105 Resp: 1055064
 Ion Ratio Lower Upper
 105 100
 134 17.9 14.7 22.1

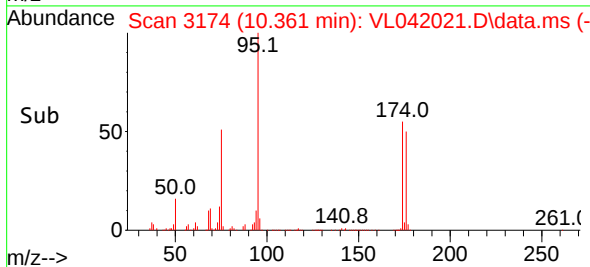
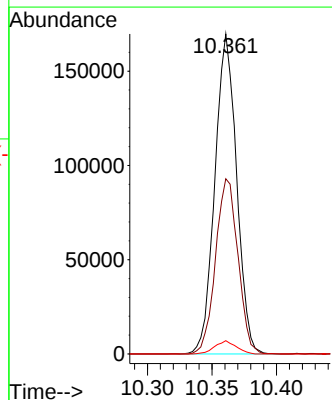
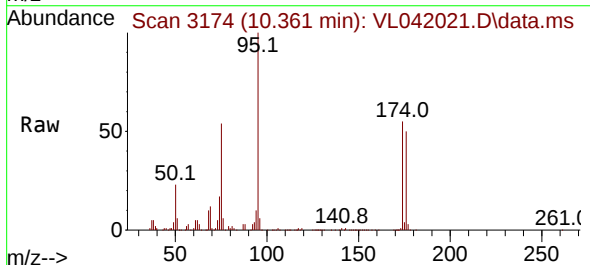
Manual Integrations
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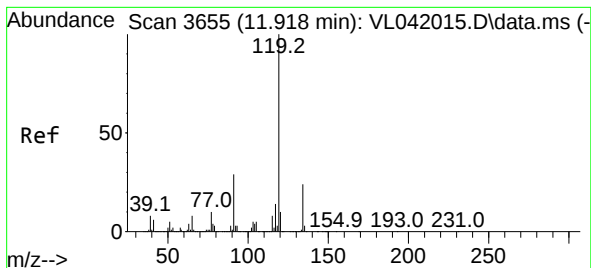
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.112 ppbv
 RT: 10.361 min Scan# 3174
 Delta R.T. -0.004 min
 Lab File: VL042021.D
 Acq: 14 Feb 2025 15:31

Tgt Ion: 95 Resp: 198454
 Ion Ratio Lower Upper
 95 100
 174 56.4 46.7 70.1
 175 4.1 3.7 5.5





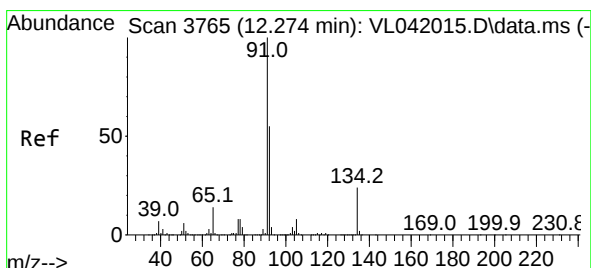
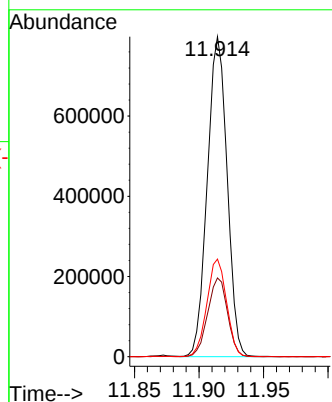
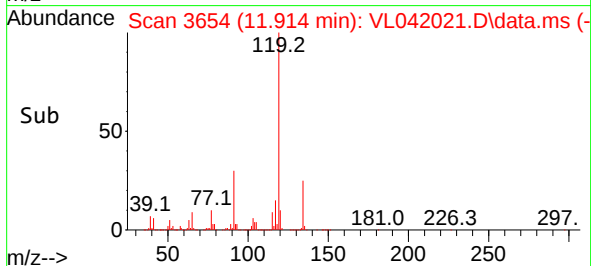
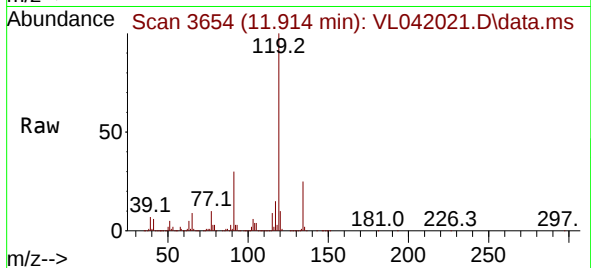
#69
p-Isopropyltoluene
Concen: 13.654 ppbv
RT: 11.914 min Scan# 3654
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 119 Resp: 85228
Ion Ratio Lower Upper
119 100
134 24.7 19.4 29.0
91 30.3 23.4 35.2

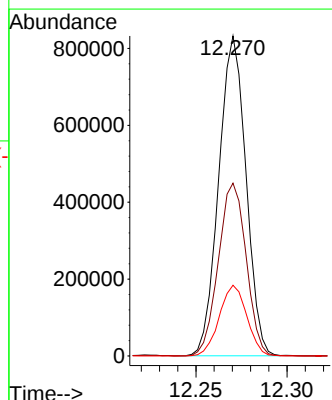
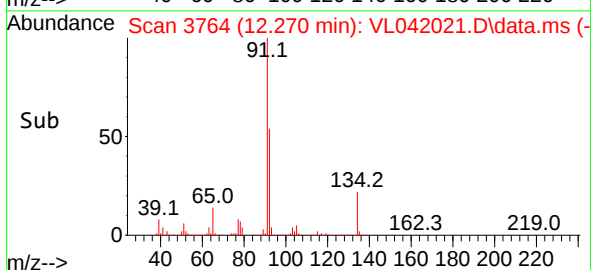
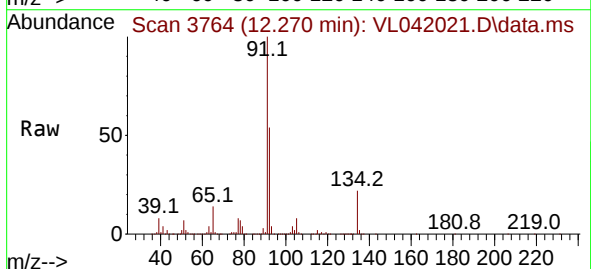
Manual Integrations
APPROVED

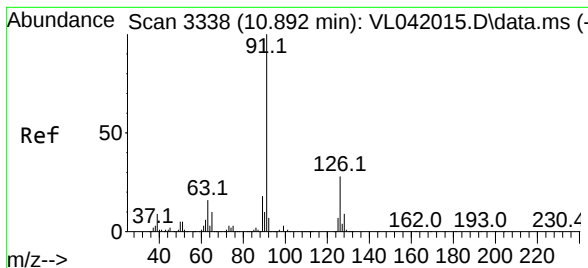
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#70
n-Butylbenzene
Concen: 14.059 ppbv
RT: 12.270 min Scan# 3764
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

Tgt Ion: 91 Resp: 864461
Ion Ratio Lower Upper
91 100
92 55.4 43.8 65.8
134 22.4 18.6 27.8





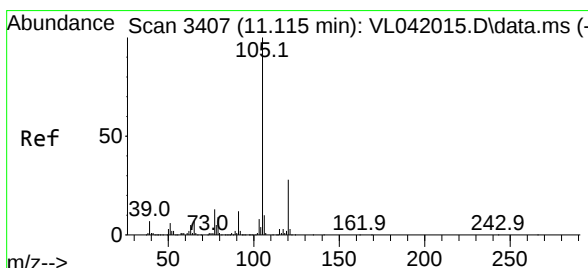
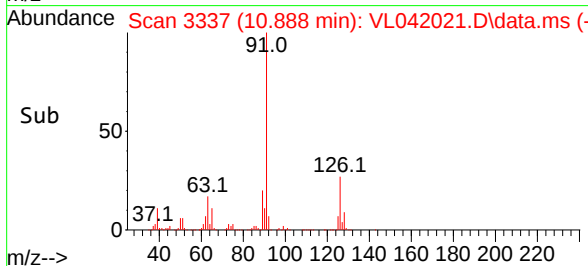
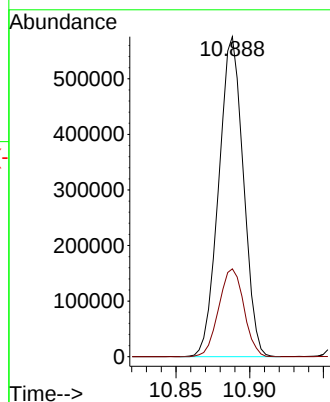
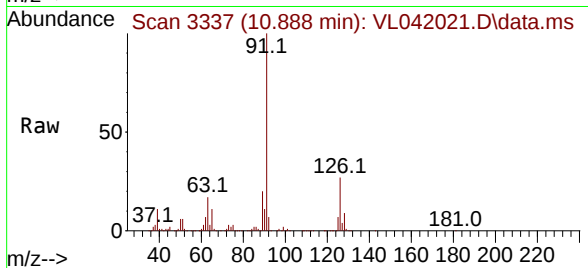
#71
2-Chlorotoluene
Concen: 14.262 ppbv
RT: 10.888 min Scan# 31
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 66886
Ion Ratio Lower Upper
91 100
126 27.9 11.2 45.0

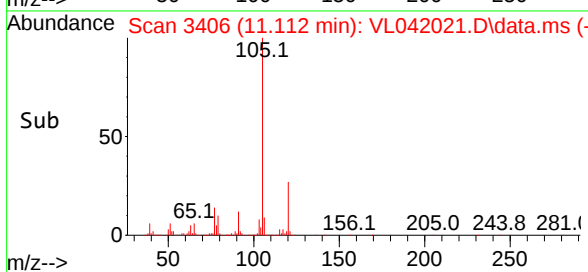
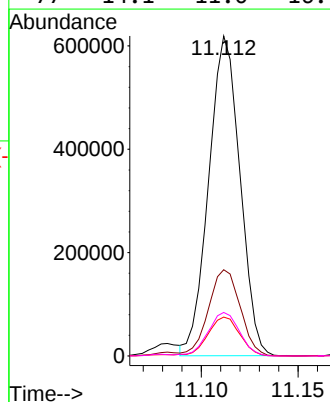
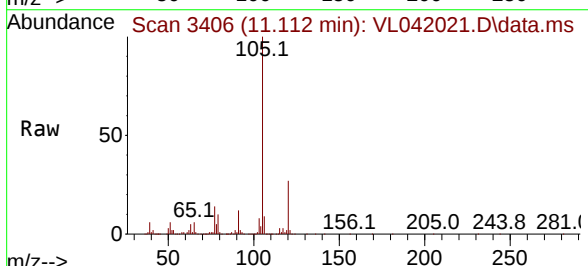
Manual Integrations
APPROVED

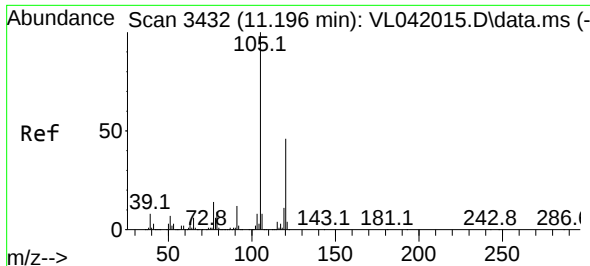
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#72
4-Ethyltoluene
Concen: 14.289 ppbv
RT: 11.112 min Scan# 3406
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

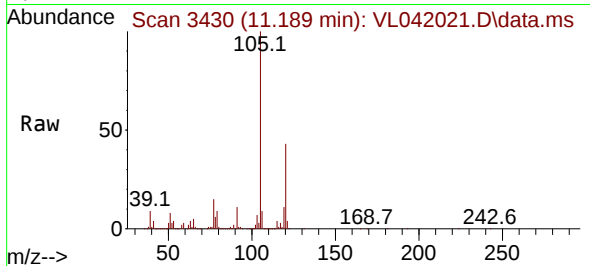
Tgt Ion:105 Resp: 695430
Ion Ratio Lower Upper
105 100
120 28.3 22.7 34.1
91 12.8 10.2 15.2
77 14.1 11.0 16.4





#73
 1,3,5-Trimethylbenzene
 Concen: 14.290 ppbv
 RT: 11.189 min Scan# 3432
 Delta R.T. -0.007 min
 Lab File: VL042021.D
 Acq: 14 Feb 2025 15:31

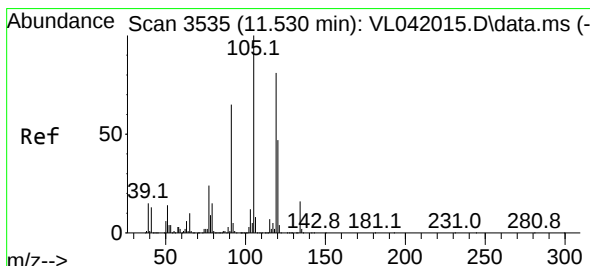
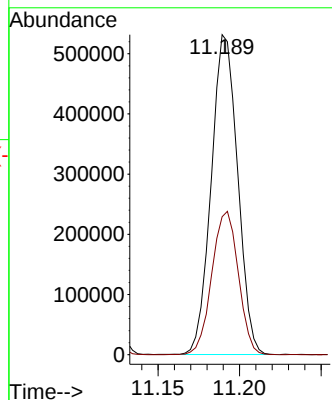
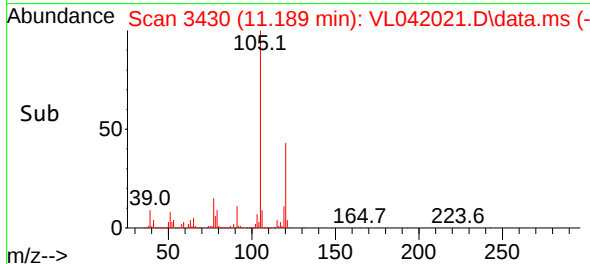
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



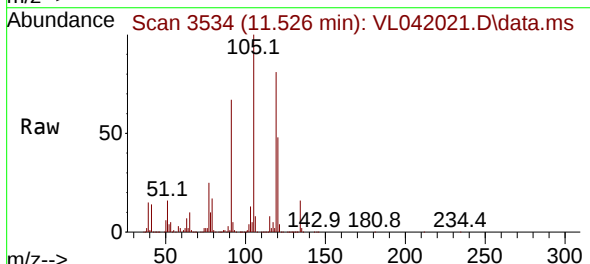
Tgt Ion:105 Resp: 59903
 Ion Ratio Lower Upper
 105 100
 120 43.1 37.1 55.7

Manual Integrations
 APPROVED

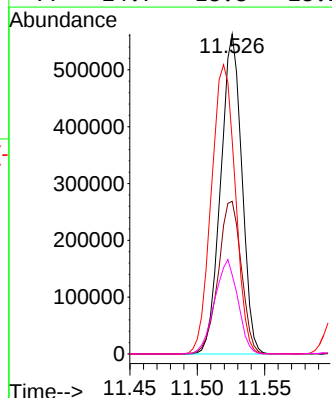
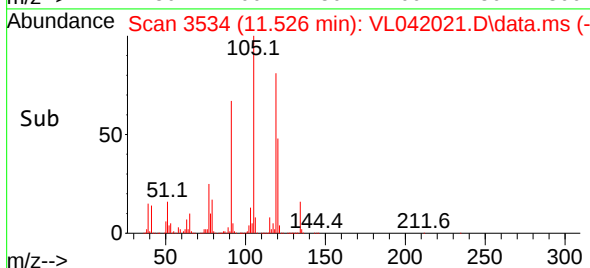
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

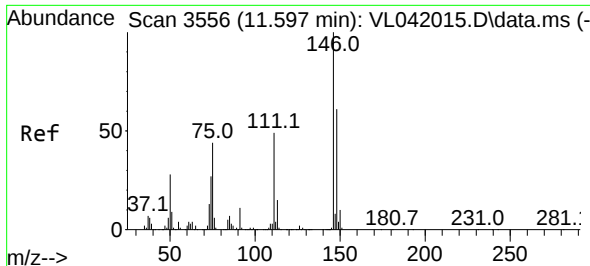


#74
 1,2,4-Trimethylbenzene
 Concen: 13.640 ppbv
 RT: 11.526 min Scan# 3534
 Delta R.T. -0.004 min
 Lab File: VL042021.D
 Acq: 14 Feb 2025 15:31



Tgt Ion:105 Resp: 613669
 Ion Ratio Lower Upper
 105 100
 120 47.7 37.5 56.3
 91 66.7 51.7 77.5
 77 24.7 18.8 28.2





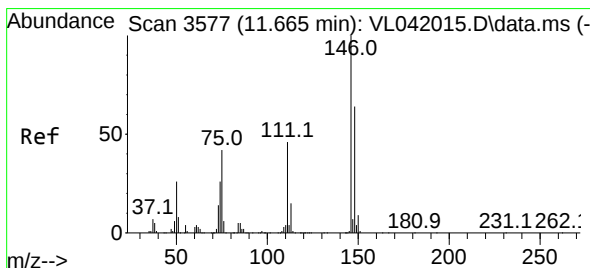
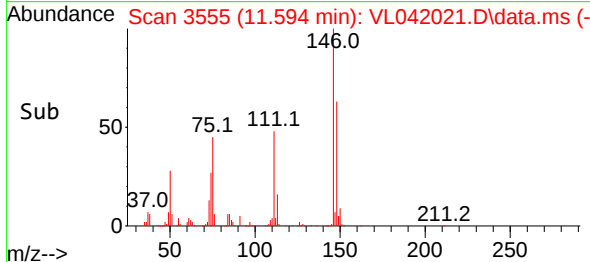
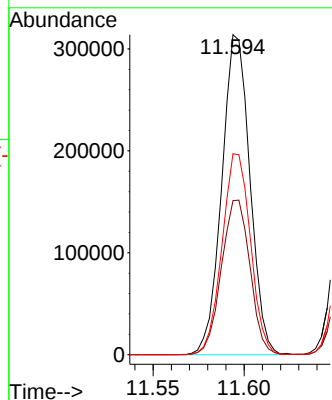
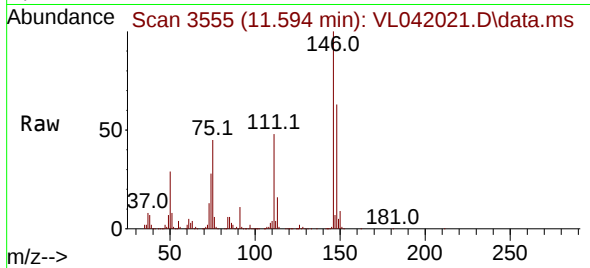
#75
1,3-Dichlorobenzene
Concen: 13.912 ppbv
RT: 11.594 min Scan# 3555
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:146 Resp: 336922
Ion Ratio Lower Upper
146 100
111 49.2 23.9 71.7
148 63.6 31.5 94.5

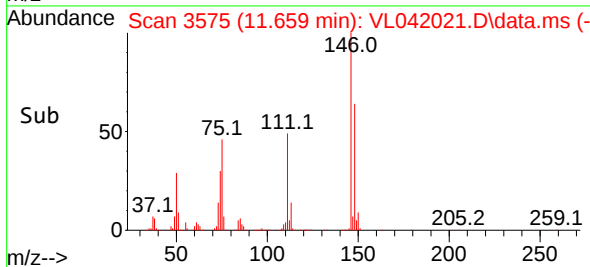
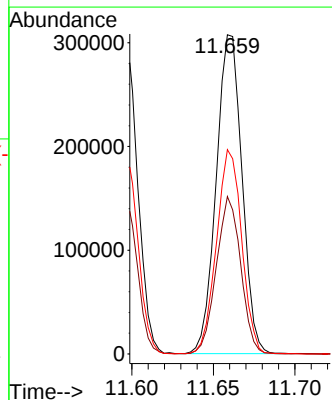
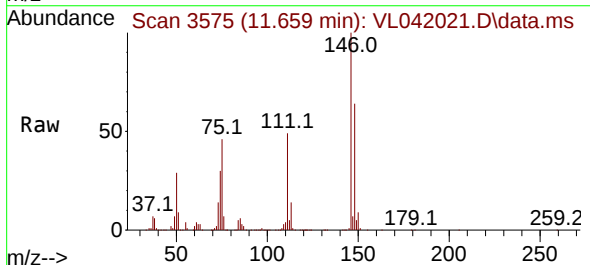
Manual Integrations
APPROVED

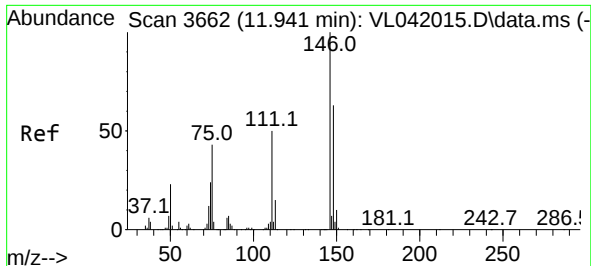
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#76
1,4-Dichlorobenzene
Concen: 14.301 ppbv
RT: 11.659 min Scan# 3575
Delta R.T. -0.007 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

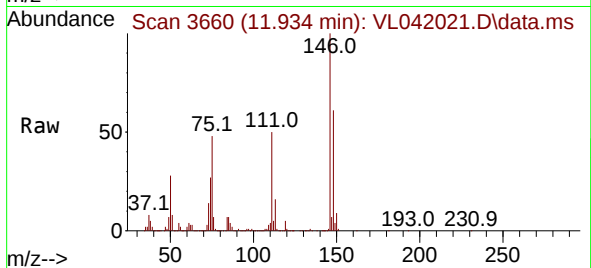
Tgt Ion:146 Resp: 337749
Ion Ratio Lower Upper
146 100
111 46.8 23.5 70.5
148 62.9 32.3 96.9





#77
1,2-Dichlorobenzene
Concen: 13.827 ppbv
RT: 11.934 min Scan# 30
Delta R.T. -0.007 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

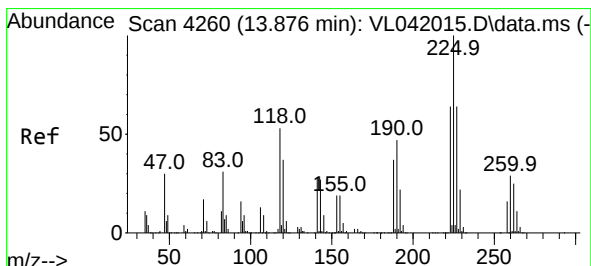
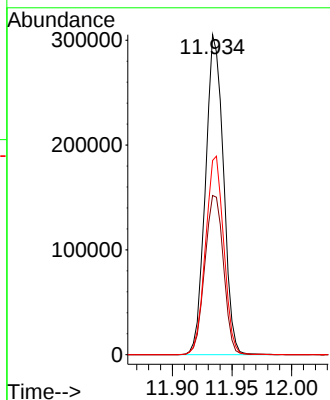
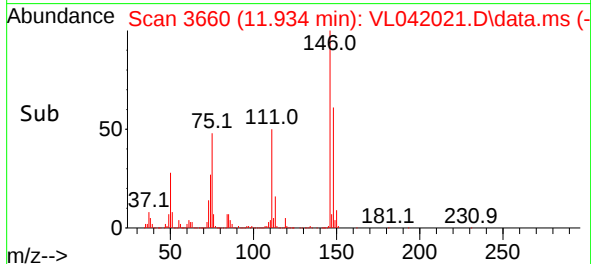
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



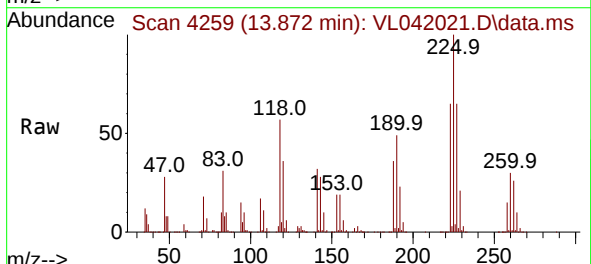
Tgt Ion:146 Resp: 320100
Ion Ratio Lower Upper
146 100
111 51.9 25.6 76.8
148 63.0 31.9 95.7

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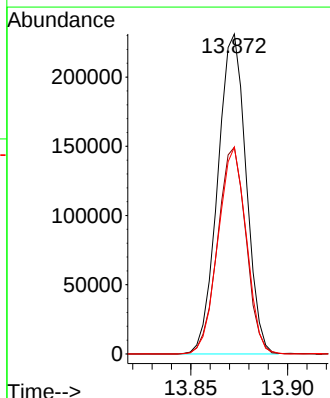
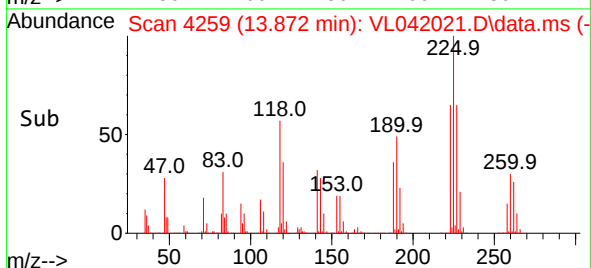
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

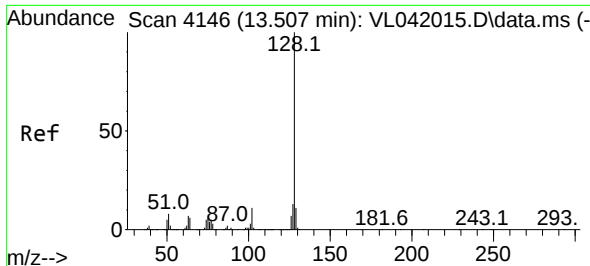


#78
Hexachloro-1,3-Butadiene
Concen: 12.291 ppbv
RT: 13.872 min Scan# 4259
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31



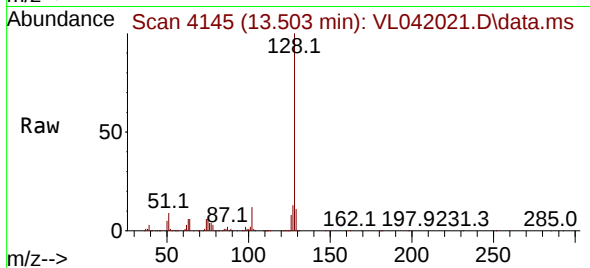
Tgt Ion:225 Resp: 235409
Ion Ratio Lower Upper
225 100
223 64.6 50.6 75.8
227 64.3 50.9 76.3





#79
Naphthalene
Concen: 11.723 ppbv
RT: 13.503 min Scan# 4145
Delta R.T. -0.004 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

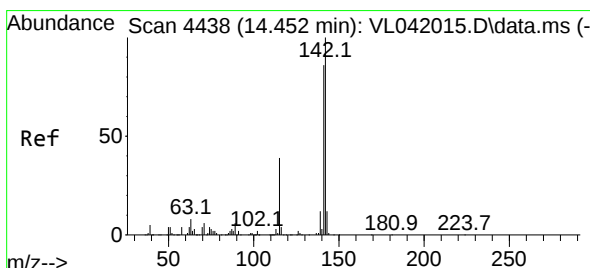
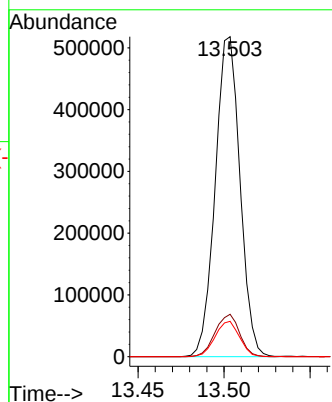
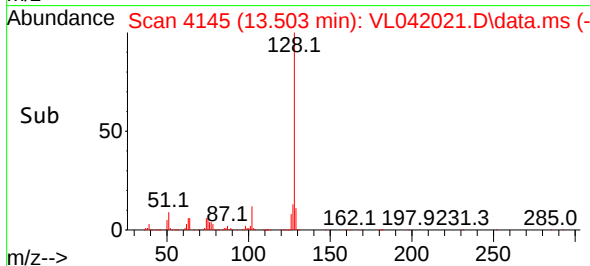
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:128 Resp: 518798
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.2
129 11.1 8.6 13.0

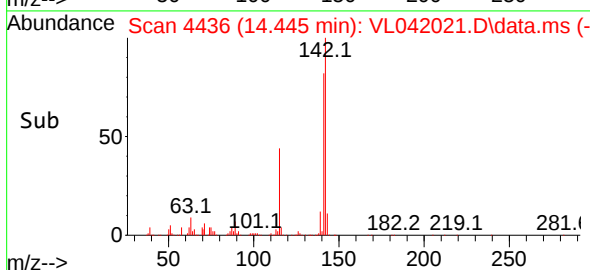
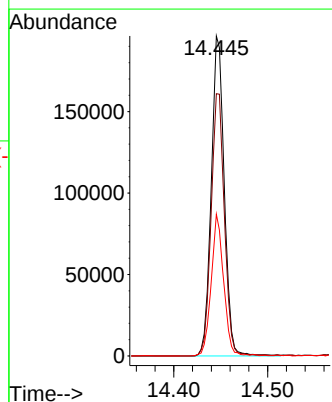
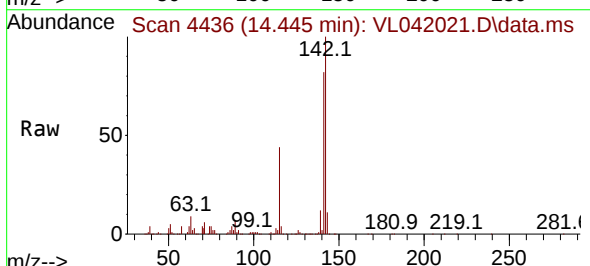
Manual Integrations
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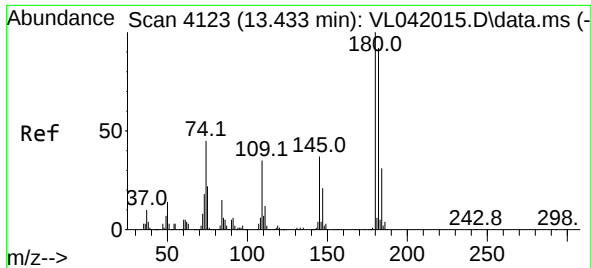
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#80
Naphthalene,2-methyl-
Concen: 9.388 ppbv
RT: 14.445 min Scan# 4436
Delta R.T. -0.007 min
Lab File: VL042021.D
Acq: 14 Feb 2025 15:31

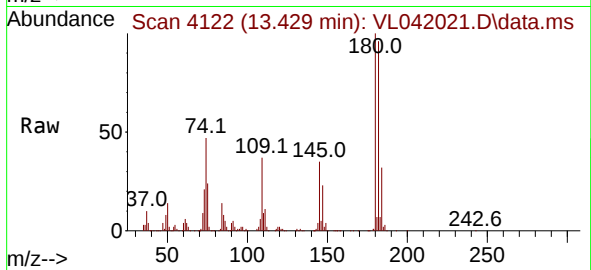
Tgt Ion:142 Resp: 188818
Ion Ratio Lower Upper
142 100
141 84.3 68.2 102.2
115 42.6 33.6 50.4





#81
 1,2,4-Trichlorobenzene
 Concen: 12.956 ppbv
 RT: 13.429 min Scan# 41
 Delta R.T. -0.004 min
 Lab File: VL042021.D
 Acq: 14 Feb 2025 15:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:180 Resp: 233085
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.8 113.6
 184 30.0 24.2 36.4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

