

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041398.D
 Acq On : 25 Jul 2024 13:19
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 05:07:21 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Fri Jul 26 05:07:02 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1163290	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3245422	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	3043708	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2357044 10.071 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.709	85	109541	0.539	ppbv	98
3) Chlorodifluoromethane	2.655	51	75741	0.549	ppbv	100
4) Chloromethane	2.793	50	39649	0.546	ppbv	96
5) Vinyl Chloride	2.906	62	36538	0.508	ppbv #	87
6) Bromomethane	3.102	94	19255	0.523	ppbv	93
7) Chloroethane	3.179	64	13984	0.572	ppbv	92
8) Dichlorotetrafluoroethane	2.838	85	92652	0.521	ppbv	93
9) Propene	2.671	41	33491	0.523	ppbv	98
10) Heptane	7.568	43	66249	0.465	ppbv	97
11) Trichlorofluoromethane	3.545	101	94267	0.536	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.050	101	67103	0.527	ppbv	99
13) Ethanol	3.237	45	2541m	0.454	ppbv	
14) Bromoethene	3.346	108	24275	0.495	ppbv #	90
15) Acetone	3.462	43	75165	0.574	ppbv	100
16) 1,3-Butadiene	2.963	39	35196m	0.505	ppbv	
17) tert-Butyl alcohol	3.870	59	59997	0.504	ppbv	99
18) 1,1-Dichloroethene	3.864	96	26744	0.484	ppbv	90
19) Isopropyl Alcohol	3.568	45	41335m	0.559	ppbv	
20) Methylene Chloride	3.915	84	29173	0.603	ppbv #	93
21) Allyl Chloride	3.979	41	41531	0.483	ppbv	94
22) trans-1,2-Dichloroethene	4.433	96	26864	0.500	ppbv	93
23) Vinyl Acetate	4.616	43	45209	0.444	ppbv #	97
24) 1,1-Dichloroethane	4.545	63	62999	0.542	ppbv #	97
25) Ethyl Acetate	5.195	43	126641	0.485	ppbv	99
26) Hexane	5.192	57	52190	0.475	ppbv	91
27) Carbon Disulfide	4.111	76	61342	0.489	ppbv #	93
28) Methyl tert-Butyl Ether	4.581	73	32882	0.475	ppbv	95
29) Chloroform	5.256	83	90359	0.503	ppbv	99
30) Cyclohexane	6.594	84	35035	0.389	ppbv #	88
31) cis-1,2-Dichloroethene	5.063	61	51136	0.472	ppbv #	87
32) 1,1,1-Trichloroethane	5.989	97	87155	0.508	ppbv	97
34) 2-Butanone	4.787	43	75522m	0.481	ppbv	
35) Carbon Tetrachloride	6.478	117	88027	0.495	ppbv	86
36) Benzene	6.356	78	112067	0.470	ppbv	95
37) 1,2-Dichloroethane	5.793	62	66949	0.507	ppbv	98
38) Trichloroethene	7.282	130	52825	0.488	ppbv	98
39) 1,2-Dichloropropane	7.060	63	43368	0.473	ppbv	95
40) 1,4-Dioxane	7.304	88	21057m	0.633	ppbv	
41) Tetrahydrofuran	5.568	42	36699	0.403	ppbv	98
42) Bromodichloromethane	7.237	83	92906	0.486	ppbv	98
43) Methyl Methacrylate	7.465	69	33258	0.386	ppbv	91
44) 2,2,4-Trimethylpentane	7.314	57	189569	0.479	ppbv	94
45) t-1,3-Dichloropropene	8.700	75	26864m	0.341	ppbv	

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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 05:07:21 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

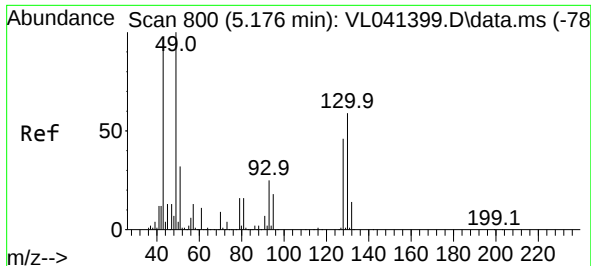
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Fri Jul 26 05:07:02 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	43823m	0.384	ppbv	
47) 1,1,2-Trichloroethane	8.886	97	50232	0.505	ppbv	95
48) Dibromochloromethane	9.700	129	72480	0.452	ppbv	100
49) Bromoform	12.400	173	57383	0.423	ppbv	95
50) 4-Methyl-2-Pentanone	8.185	43	104559m	0.417	ppbv	
51) 2-Hexanone	9.558	43	64659	0.338	ppbv #	97
52) Tetrachloroethene	10.600	164	44583	0.486	ppbv	92
53) Toluene	9.211	91	110057	0.411	ppbv	98
54) 1,2-Dibromoethane	10.002	107	61242	0.455	ppbv	89
56) 1,1,1,2-Tetrachloroethane	11.497	131	61039	0.519	ppbv #	1
57) Chlorobenzene	11.516	112	113739	0.524	ppbv	94
58) Ethyl Benzene	12.079	91	156513	0.441	ppbv	96
59) m/p-Xylene	12.365	91	284326m	0.936	ppbv	
60) o-Xylene	13.050	91	128195	0.440	ppbv	99
61) Styrene	12.889	104	47561	0.362	ppbv	94
62) Isopropylbenzene	14.018	105	213603m	0.492	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.040	83	95214	0.526	ppbv	97
64) n-propylbenzene	14.915	120	53748m	0.473	ppbv	
65) tert-Butylbenzene	16.082	119	187031m	0.476	ppbv	
66) Benzyl Chloride	16.323	91	10564m	0.422	ppbv	
67) sec-Butylbenzene	16.632	105	249741	0.458	ppbv	99
69) p-Isopropyltoluene	16.992	119	197625	0.434	ppbv	96
70) n-Butylbenzene	17.886	91	204999	0.443	ppbv	98
71) 2-Chlorotoluene	14.796	91	150717	0.465	ppbv	100
72) 4-Ethyltoluene	15.188	105	148551	0.441	ppbv	97
73) 1,3,5-Trimethylbenzene	15.346	105	126480	0.429	ppbv	92
74) 1,2,4-Trimethylbenzene	16.098	105	157396m	0.463	ppbv	
75) 1,3-Dichlorobenzene	16.326	146	100938	0.476	ppbv	94
76) 1,4-Dichlorobenzene	16.468	146	102368m	0.492	ppbv	
77) 1,2-Dichlorobenzene	17.143	146	105386m	0.503	ppbv	
78) Hexachloro-1,3-Butadiene	22.631	225	94555m	0.520	ppbv	
79) Naphthalene	21.387	128	123028m	0.412	ppbv	
80) Naphthalene,2-methyl-	24.374	142	75989	0.313	ppbv	93
81) 1,2,4-Trichlorobenzene	21.143	180	76641m	0.428	ppbv	

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



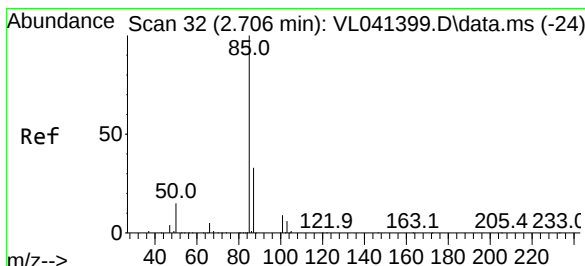
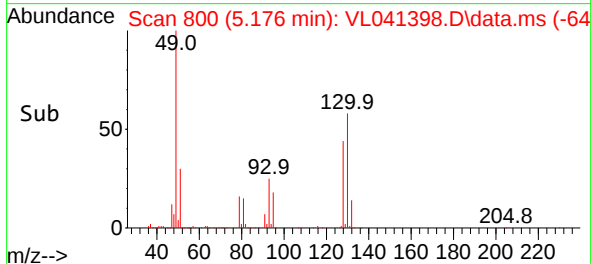
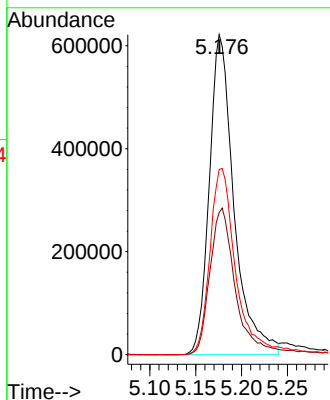
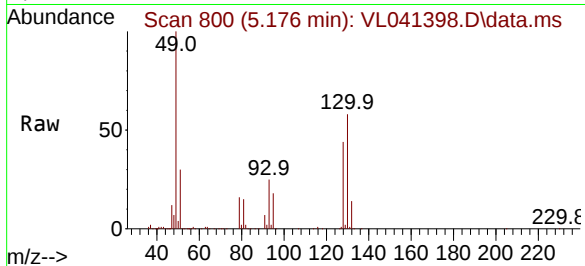
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 800
Delta R.T. -0.000 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 49 Resp: 1163290
Ion Ratio Lower Upper
49 100
128 49.8 23.8 71.4
130 63.0 30.8 92.4

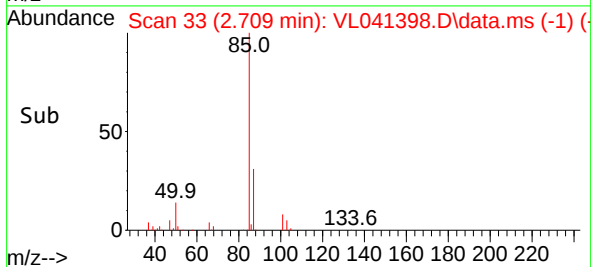
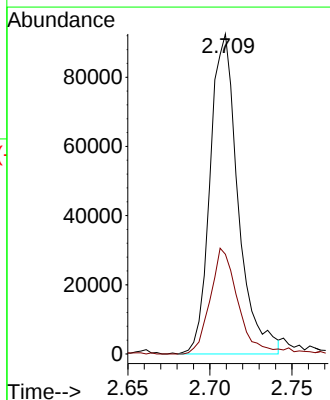
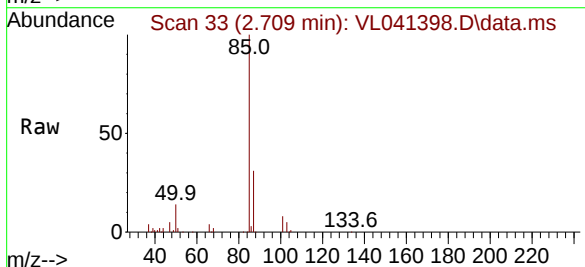
Manual Integrations
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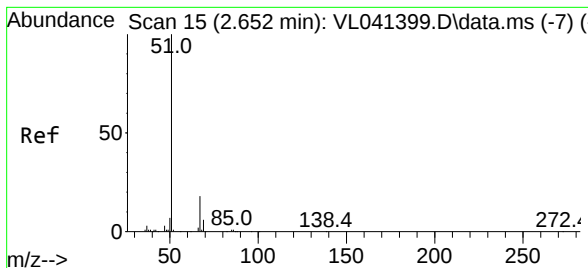
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#2
Dichlorodifluoromethane
Concen: 0.539 ppbv
RT: 2.709 min Scan# 33
Delta R.T. 0.003 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Tgt Ion: 85 Resp: 109541
Ion Ratio Lower Upper
85 100
87 31.1 26.0 39.0





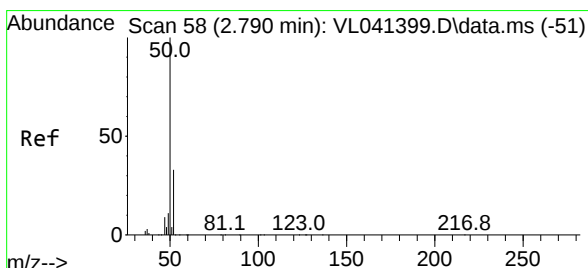
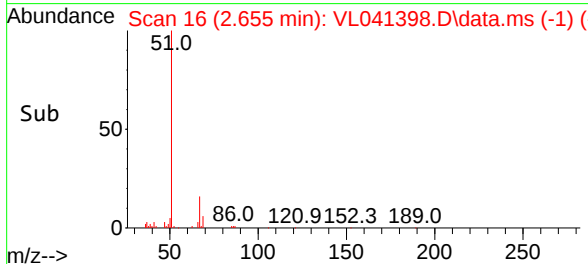
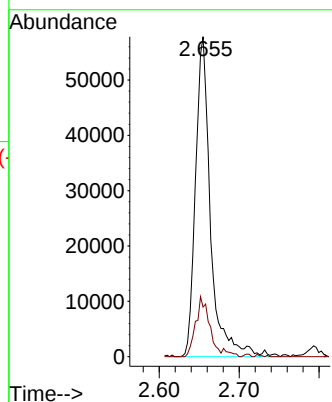
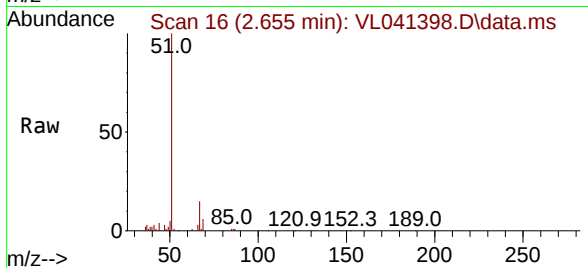
#3
Chlorodifluoromethane
Concen: 0.549 ppbv
RT: 2.655 min Scan# 15
Delta R.T. 0.003 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 7574
Ion Ratio Lower Upper
51 100
67 18.2 14.5 21.7

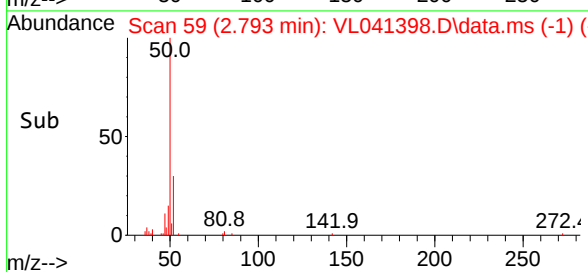
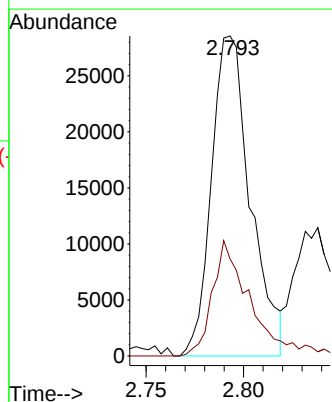
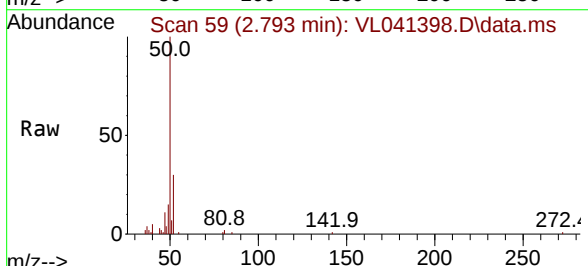
Manual Integrations
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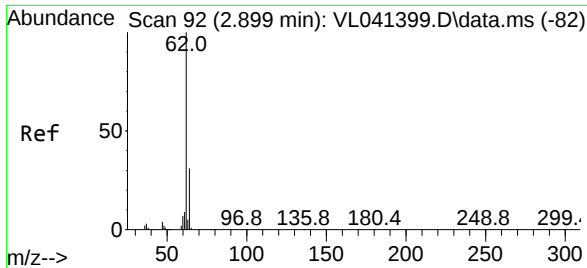
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#4
Chloromethane
Concen: 0.546 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.003 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

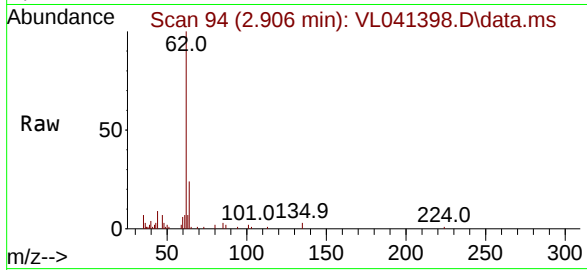
Tgt Ion: 50 Resp: 39649
Ion Ratio Lower Upper
50 100
52 30.3 26.1 39.1





#5
Vinyl Chloride
Concen: 0.508 ppbv
RT: 2.906 min Scan# 94
Delta R.T. 0.006 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

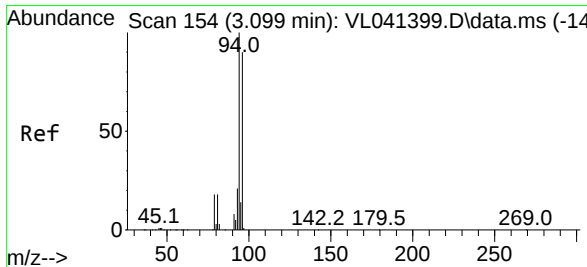
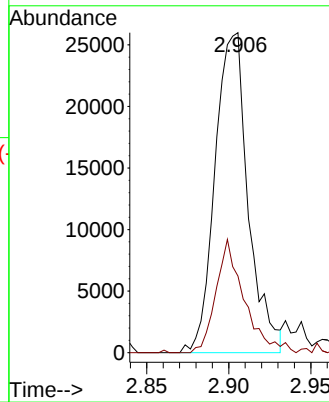
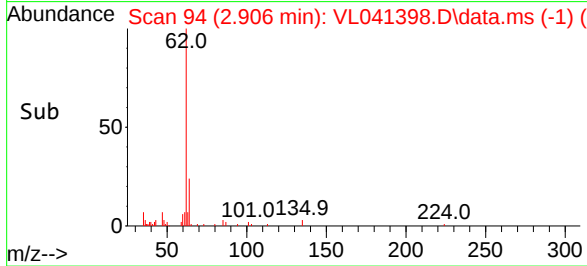
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 62 Resp: 36538
Ion Ratio Lower Upper
62 100
64 24.0 25.0 37.4

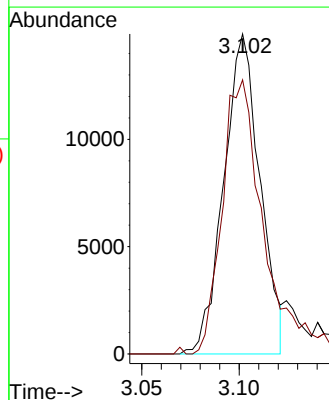
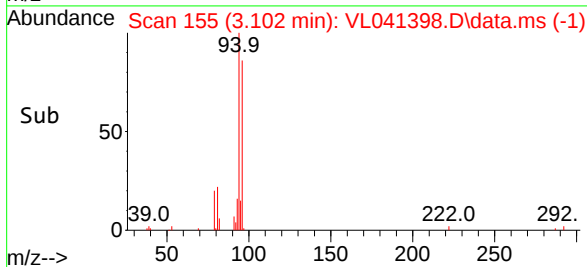
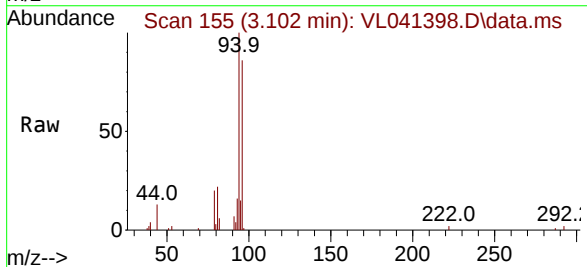
Manual Integrations
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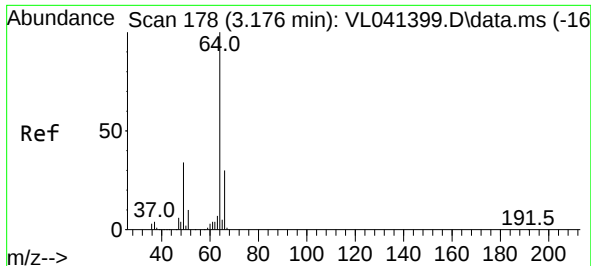
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#6
Bromomethane
Concen: 0.523 ppbv
RT: 3.102 min Scan# 155
Delta R.T. 0.003 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Tgt Ion: 94 Resp: 19255
Ion Ratio Lower Upper
94 100
96 83.6 72.3 108.5





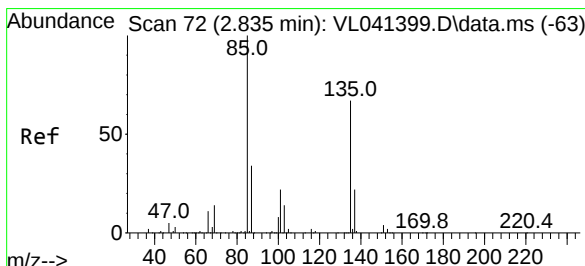
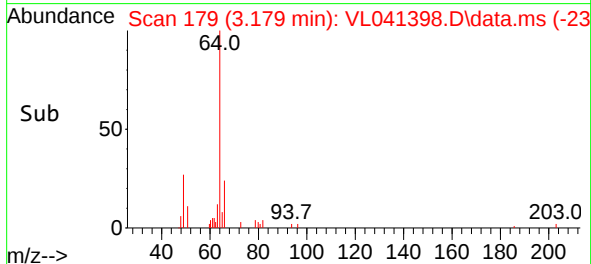
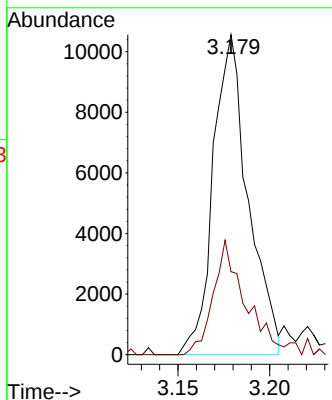
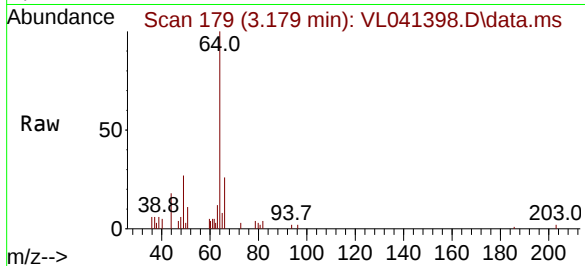
#7
Chloroethane
Concen: 0.572 ppbv
RT: 3.179 min Scan# 178
Delta R.T. 0.003 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 64 Resp: 13984
Ion Ratio Lower Upper
64 100
66 25.9 24.2 36.2

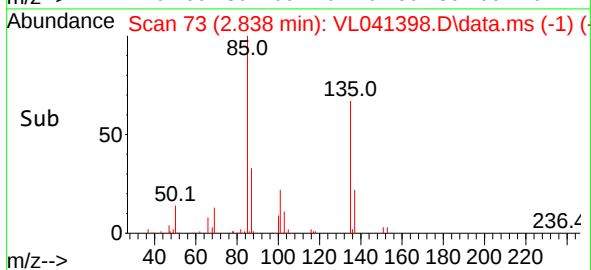
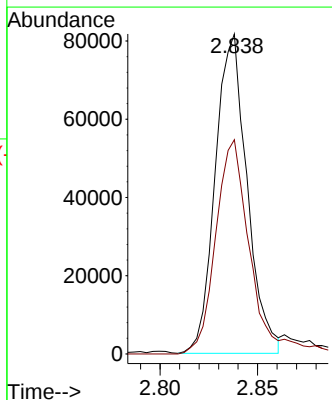
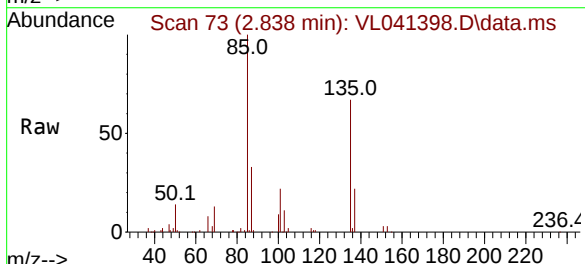
Manual Integrations
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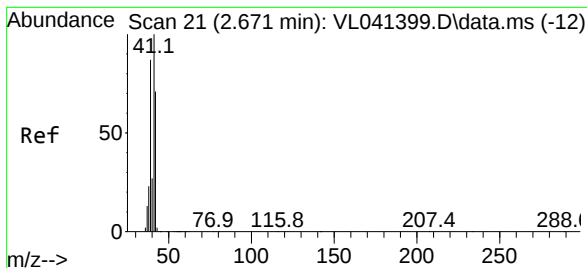
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#8
Dichlorotetrafluoroethane
Concen: 0.521 ppbv
RT: 2.838 min Scan# 73
Delta R.T. 0.003 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

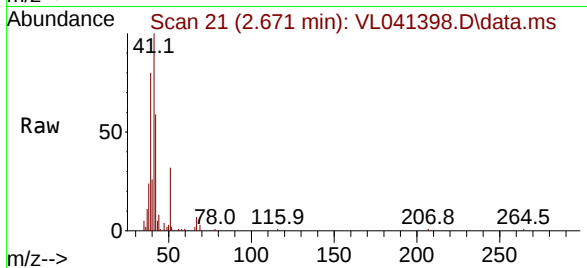
Tgt Ion: 85 Resp: 92652
Ion Ratio Lower Upper
85 100
135 74.8 55.4 83.0





#9
Propene
Concen: 0.523 ppbv
RT: 2.671 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

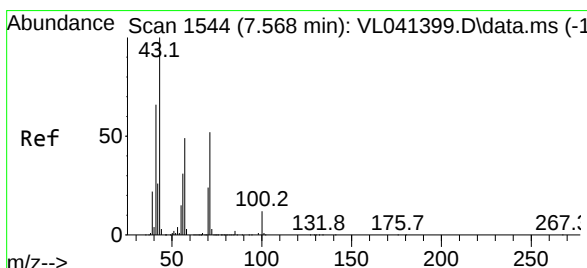
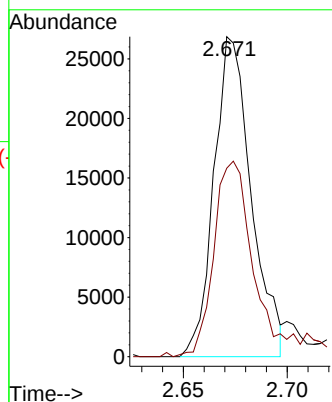
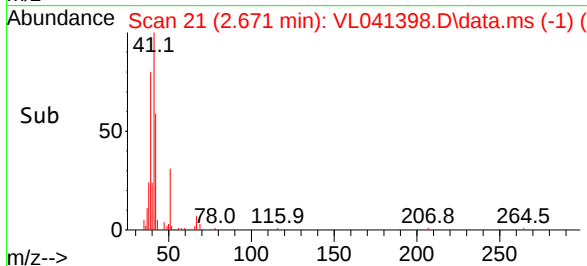
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



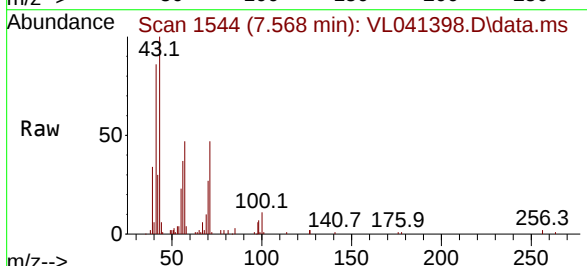
Tgt Ion: 41 Resp: 3349
Ion Ratio Lower Upper
41 100
42 71.2 55.9 83.9

Manual Integrations
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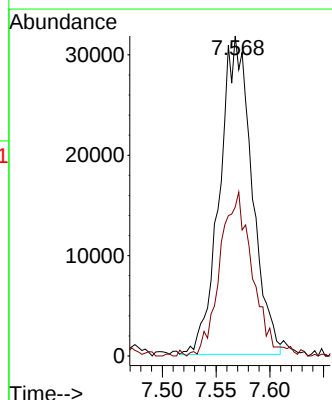
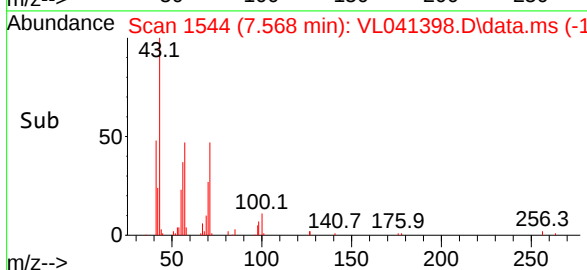
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024

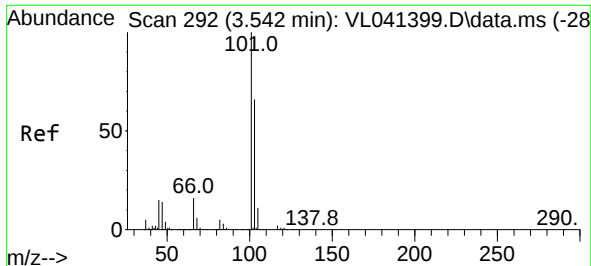


#10
Heptane
Concen: 0.465 ppbv
RT: 7.568 min Scan# 1544
Delta R.T. -0.000 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19



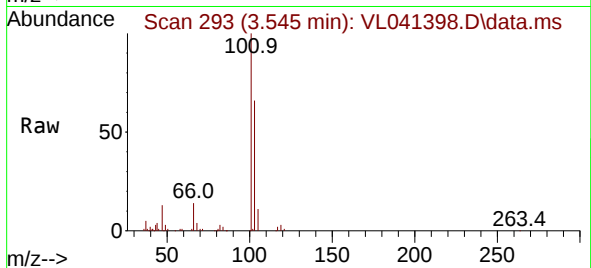
Tgt Ion: 43 Resp: 66249
Ion Ratio Lower Upper
43 100
57 52.4 40.5 60.7





#11
Trichlorofluoromethane
Concen: 0.536 ppbv
RT: 3.545 min Scan# 292
Delta R.T. 0.003 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

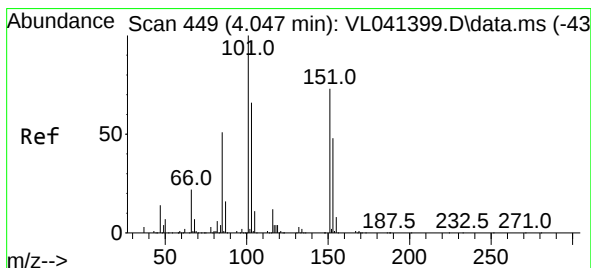
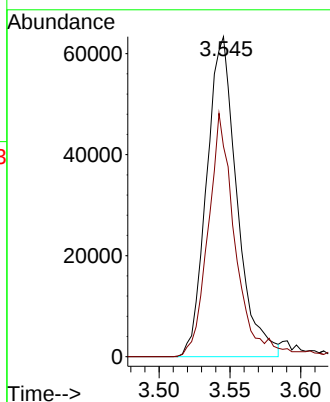
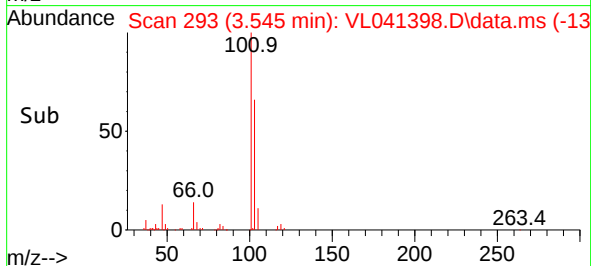
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:101 Resp: 9426
Ion Ratio Lower Upper
101 100
103 65.4 52.6 79.0

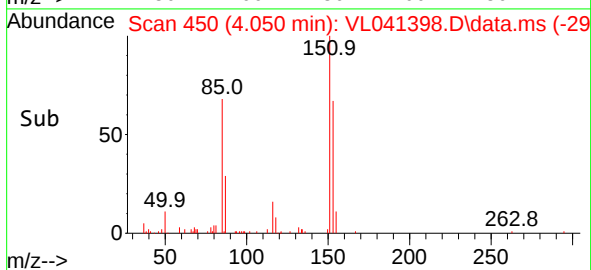
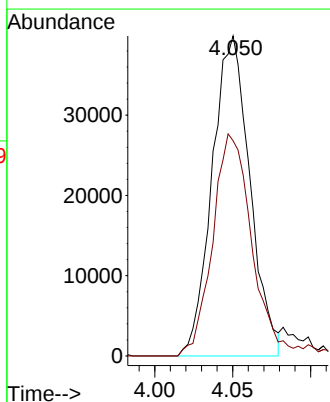
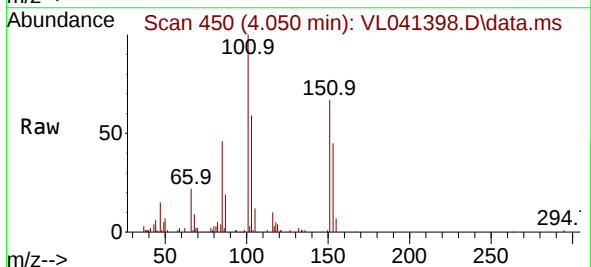
Manual Integrations
APPROVED

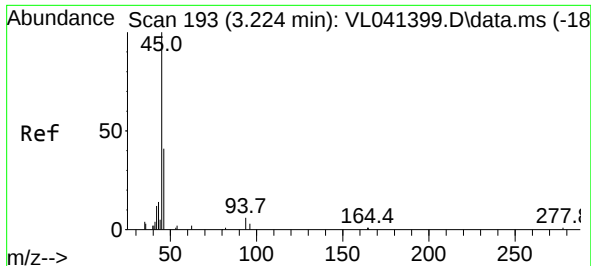
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.527 ppbv
RT: 4.050 min Scan# 450
Delta R.T. 0.003 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Tgt Ion:101 Resp: 67103
Ion Ratio Lower Upper
101 100
151 74.7 59.4 89.2





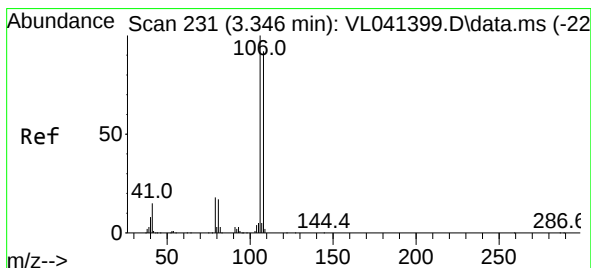
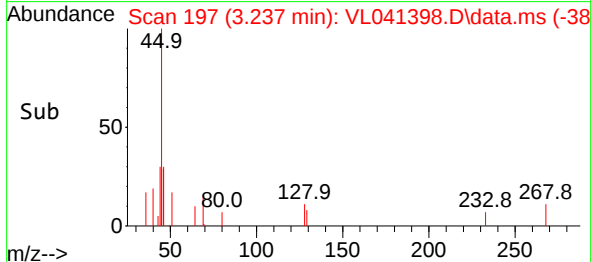
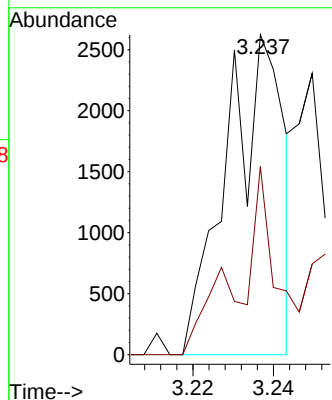
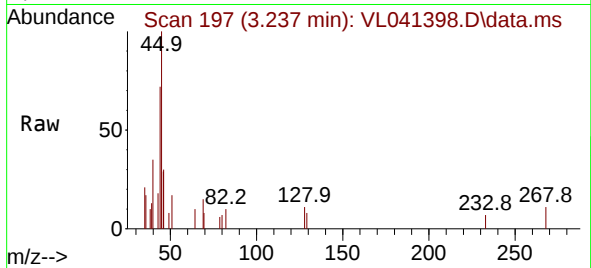
#13
Ethanol
Concen: 0.454 ppbv m
RT: 3.237 min Scan# 193
Delta R.T. 0.013 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 45 Resp: 254
Ion Ratio Lower Upper
45 100
46 79.9 13.4 53.4

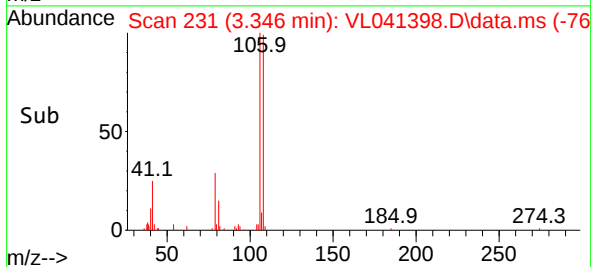
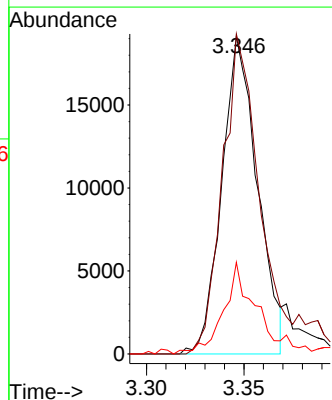
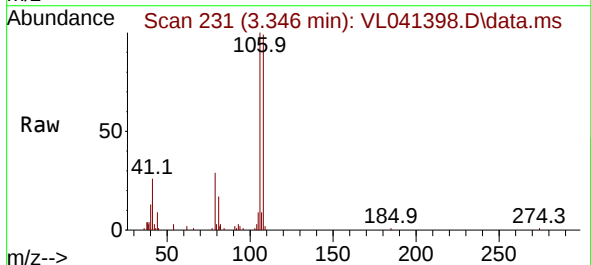
Manual Integrations
APPROVED

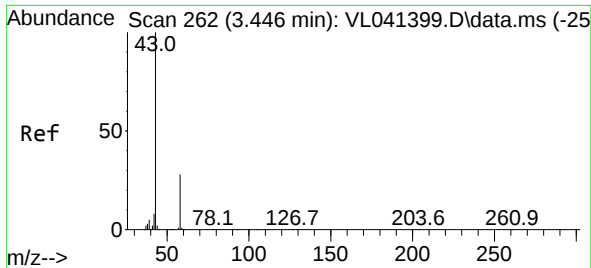
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#14
Bromoethene
Concen: 0.495 ppbv
RT: 3.346 min Scan# 231
Delta R.T. -0.000 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

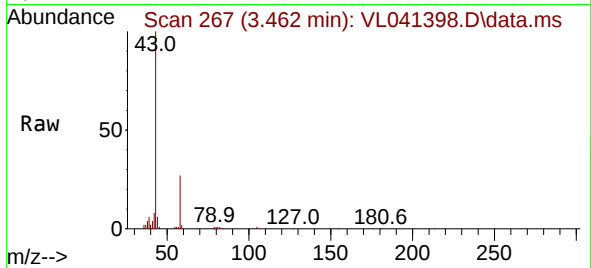
Tgt Ion:108 Resp: 24275
Ion Ratio Lower Upper
108 100
106 117.2 86.9 130.3
79 29.8 16.2 24.4





#15
Acetone
Concen: 0.574 ppbv
RT: 3.462 min Scan# 20
Delta R.T. 0.016 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

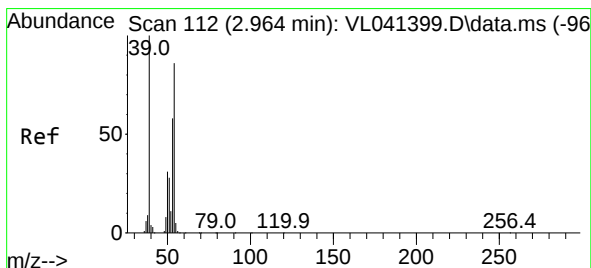
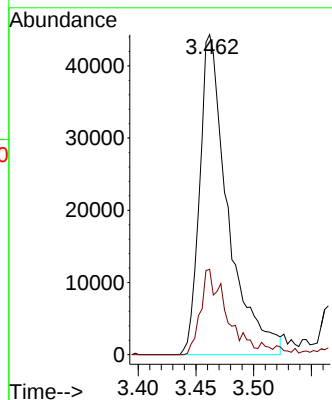
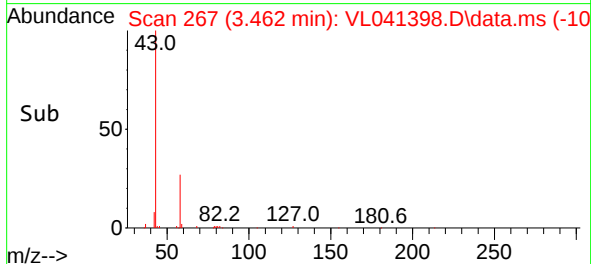
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 43 Resp: 7516
Ion Ratio Lower Upper
43 100
58 27.1 21.4 32.2

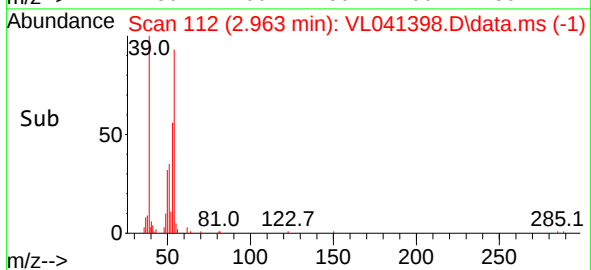
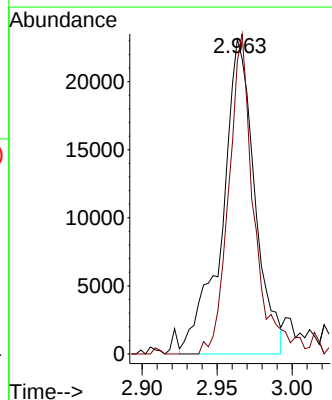
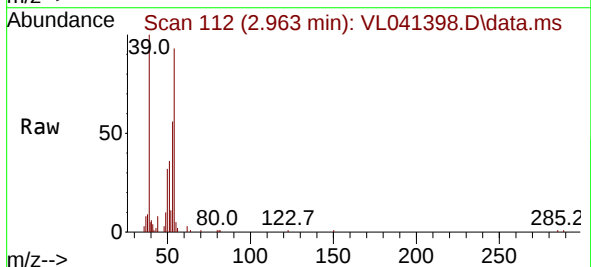
Manual Integrations
APPROVED

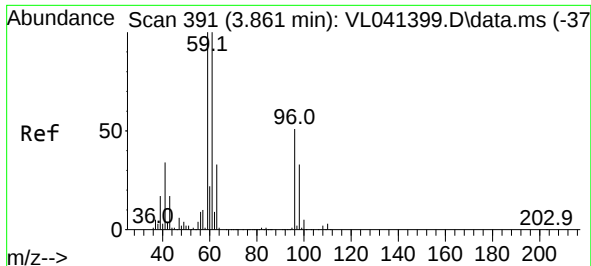
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#16
1,3-Butadiene
Concen: 0.505 ppbv m
RT: 2.963 min Scan# 112
Delta R.T. -0.000 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Tgt Ion: 39 Resp: 35196
Ion Ratio Lower Upper
39 100
54 79.9 62.5 93.7





#17

tert-Butyl alcohol

Concen: 0.504 ppbv

RT: 3.870 min Scan# 391

Delta R.T. 0.010 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 59 Resp: 5999

Ion Ratio Lower Upper

59 100

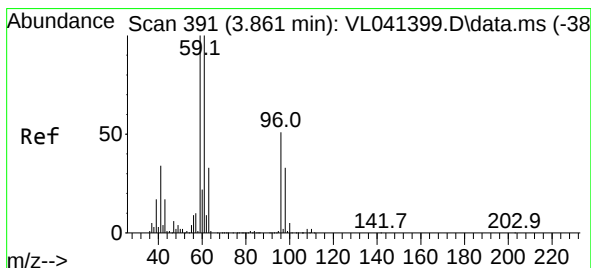
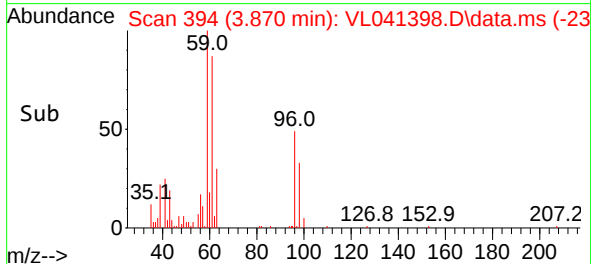
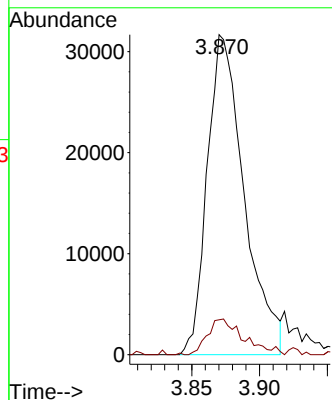
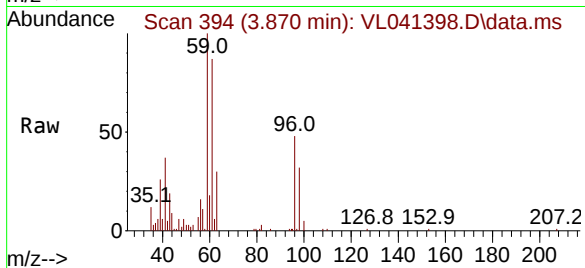
57 10.9 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024

Supervised By :Mahesh Dadoda 07/29/2024



#18

1,1-Dichloroethene

Concen: 0.484 ppbv

RT: 3.864 min Scan# 392

Delta R.T. 0.003 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

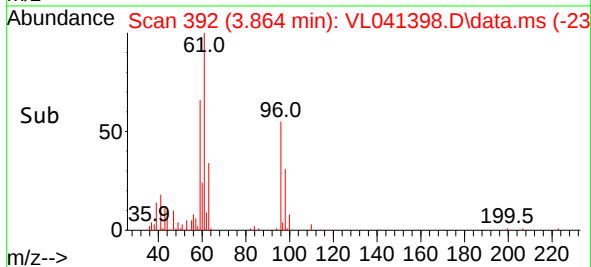
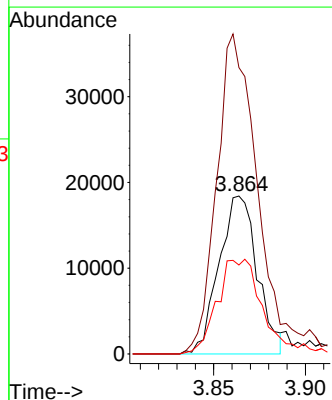
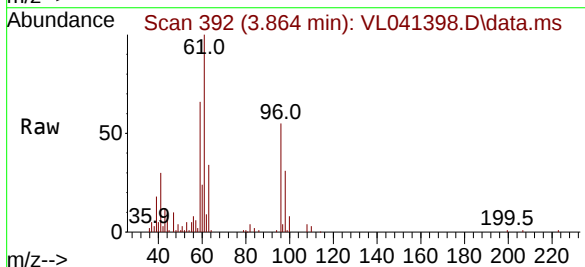
Tgt Ion: 96 Resp: 26744

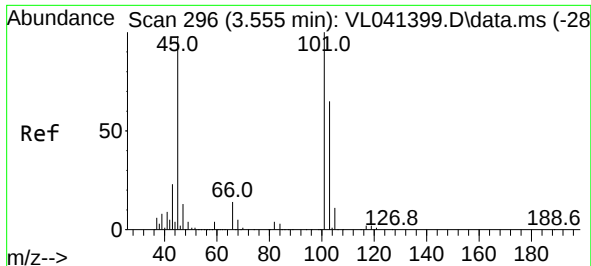
Ion Ratio Lower Upper

96 100

61 181.4 157.5 236.3

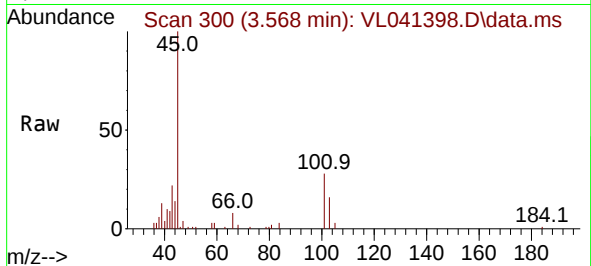
98 56.3 51.2 76.8





#19
Isopropyl Alcohol
Concen: 0.559 ppbv m
RT: 3.568 min Scan# 300
Delta R.T. 0.013 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

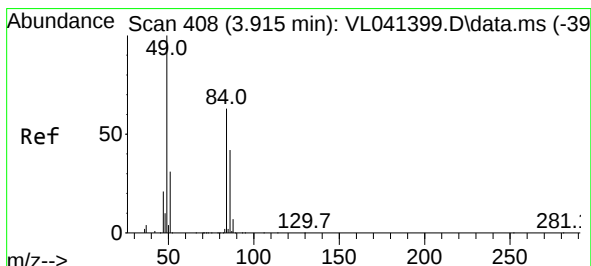
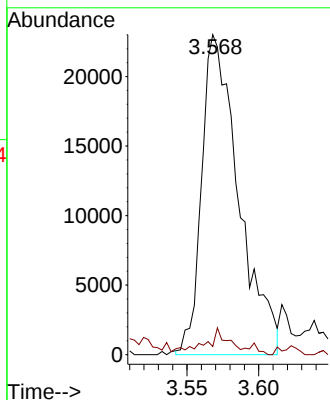
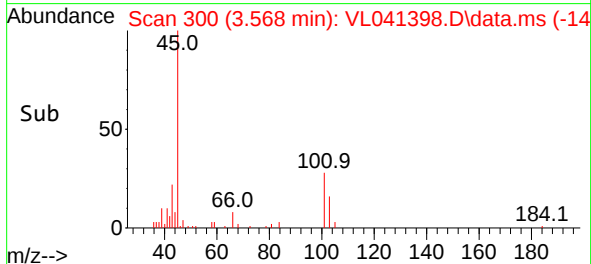
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



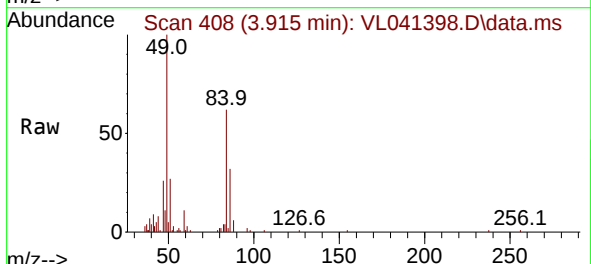
Tgt Ion: 45 Resp: 4133
Ion Ratio Lower Upper
45 100
58 5.3 1.9 2.9

Manual Integrations
APPROVED

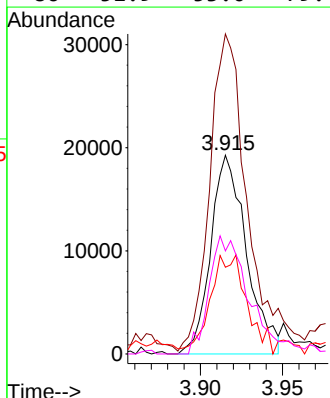
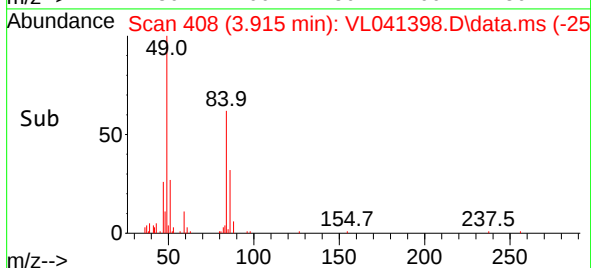
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024

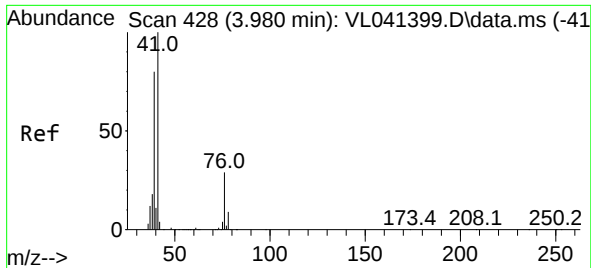


#20
Methylene Chloride
Concen: 0.603 ppbv
RT: 3.915 min Scan# 408
Delta R.T. -0.000 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19



Tgt Ion: 84 Resp: 29173
Ion Ratio Lower Upper
84 100
49 159.6 126.6 190.0
51 41.0 38.6 58.0
86 51.9 53.0 79.4





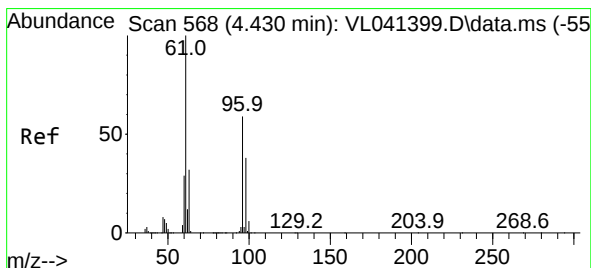
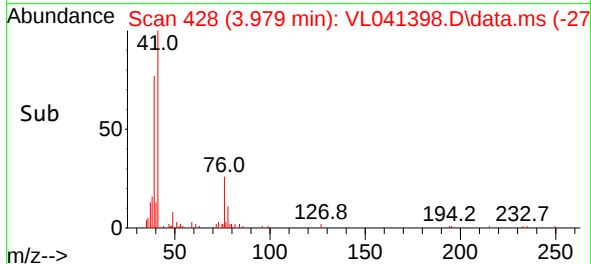
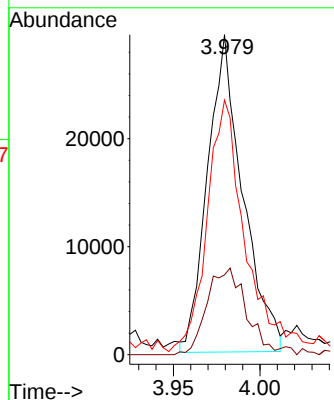
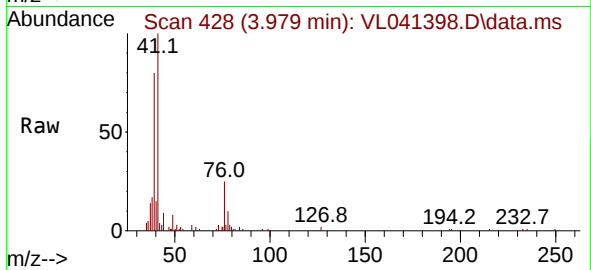
#21
 Allyl Chloride
 Concen: 0.483 ppbv
 RT: 3.979 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL041398.D
 Acq: 25 Jul 2024 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 4153
 Ion Ratio Lower Upper
 41 100
 76 32.8 23.7 35.5
 39 85.2 64.3 96.5

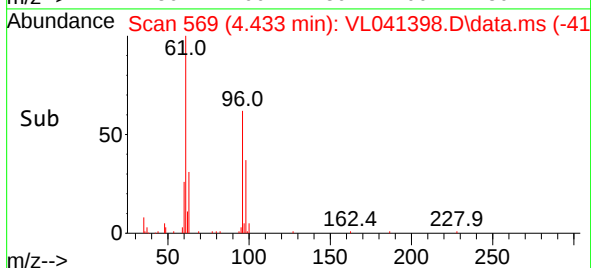
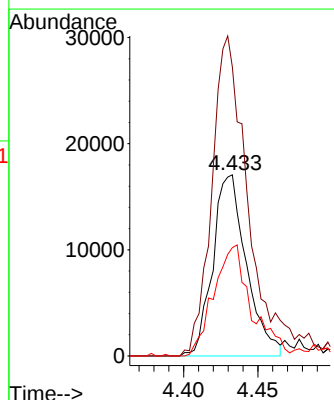
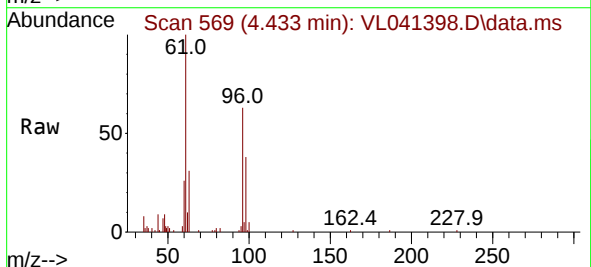
Manual Integrations
 APPROVED

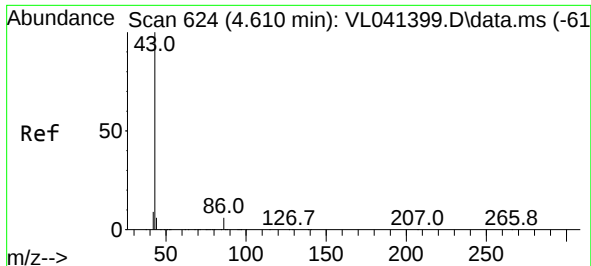
Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024



#22
 trans-1,2-Dichloroethene
 Concen: 0.500 ppbv
 RT: 4.433 min Scan# 569
 Delta R.T. 0.003 min
 Lab File: VL041398.D
 Acq: 25 Jul 2024 13:19

Tgt Ion: 96 Resp: 26864
 Ion Ratio Lower Upper
 96 100
 61 159.5 135.4 203.2
 98 59.8 51.0 76.4





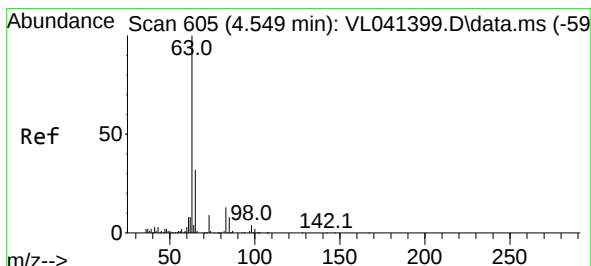
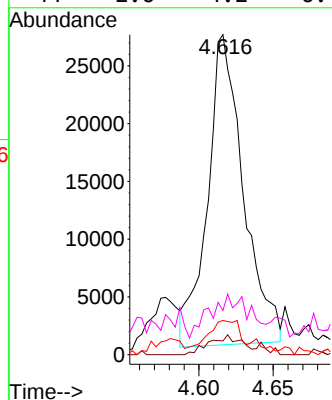
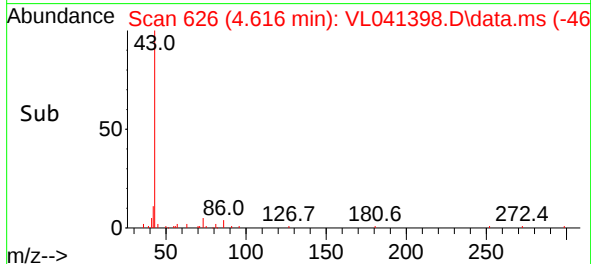
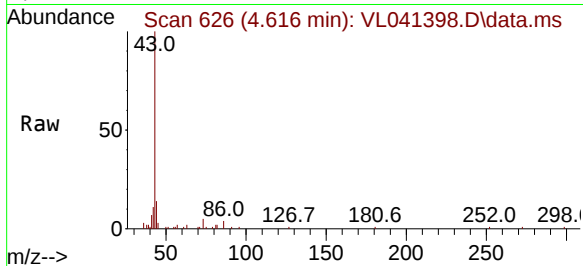
#23
 Vinyl Acetate
 Concen: 0.444 ppbv
 RT: 4.616 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL041398.D
 Acq: 25 Jul 2024 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 43	Resp: 45209
Ion Ratio	Lower Upper
43 100	
86 4.7	4.6 6.8
42 10.1	7.9 11.9
44 2.6	4.2 6.4#

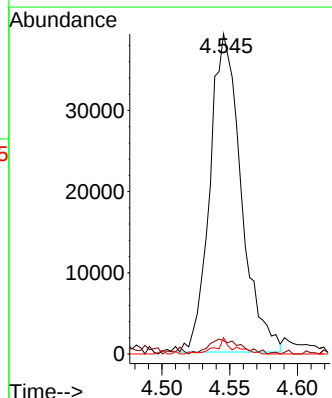
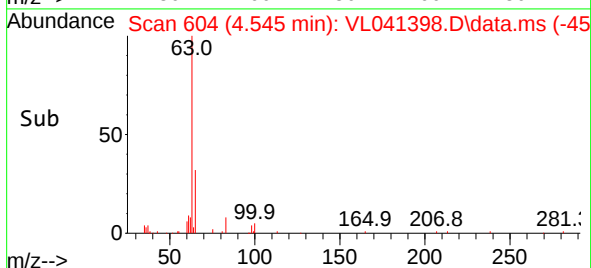
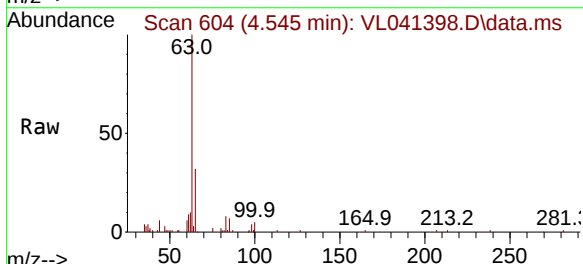
Manual Integrations
 APPROVED

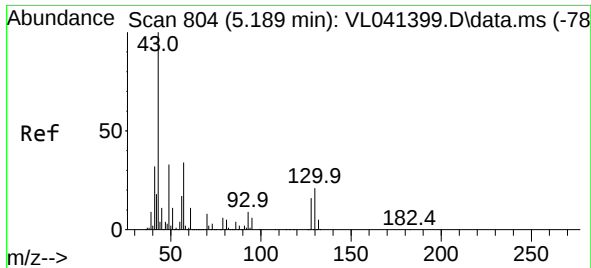
Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024



#24
 1,1-Dichloroethane
 Concen: 0.542 ppbv
 RT: 4.545 min Scan# 604
 Delta R.T. -0.003 min
 Lab File: VL041398.D
 Acq: 25 Jul 2024 13:19

Tgt Ion: 63	Resp: 62999
Ion Ratio	Lower Upper
63 100	
98 4.2	2.0 6.0
100 5.1	1.2 3.6#





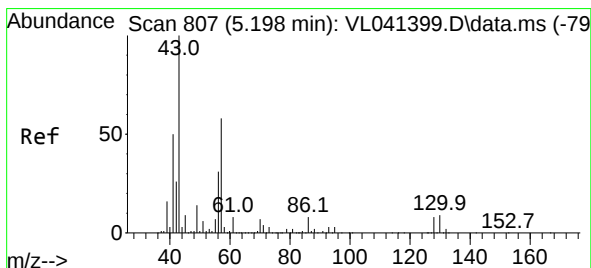
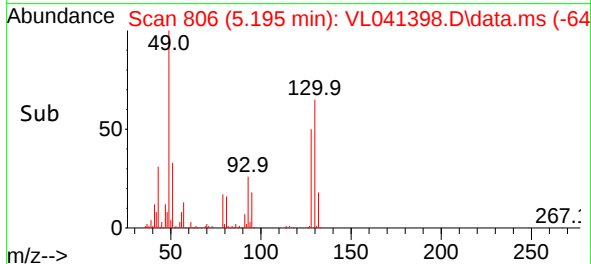
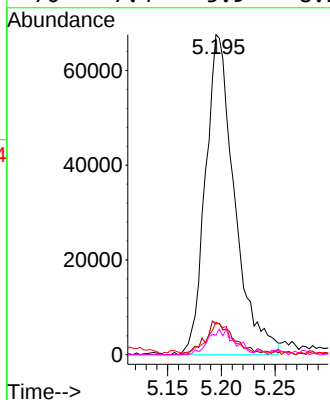
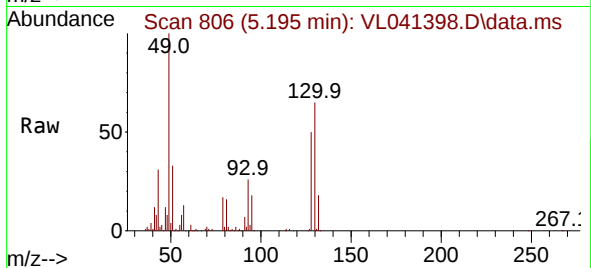
#25
Ethyl Acetate
Concen: 0.485 ppbv
RT: 5.195 min Scan# 804
Delta R.T. 0.006 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:	43	Resp:	12664
Ion Ratio	Lower	Upper	
43	100		
45	10.3	8.5	12.7
61	10.3	8.0	12.0
70	7.4	5.9	8.9

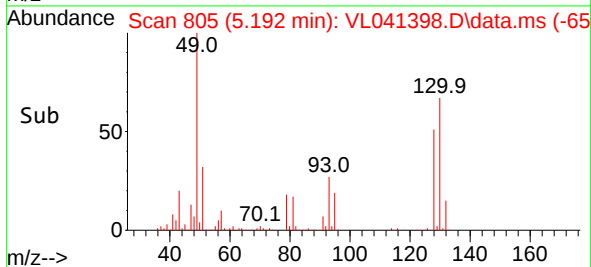
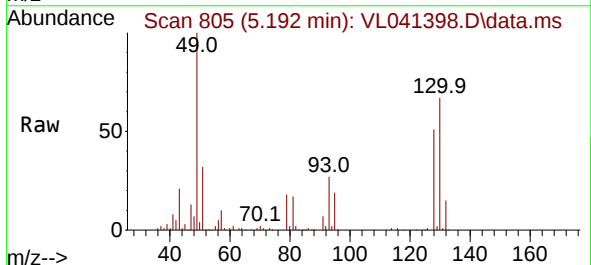
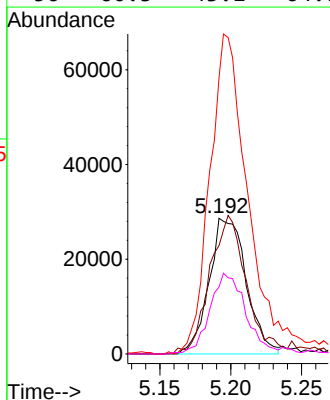
Manual Integrations
APPROVED

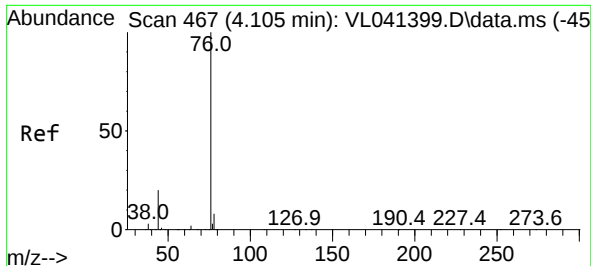
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#26
Hexane
Concen: 0.475 ppbv
RT: 5.192 min Scan# 805
Delta R.T. -0.007 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

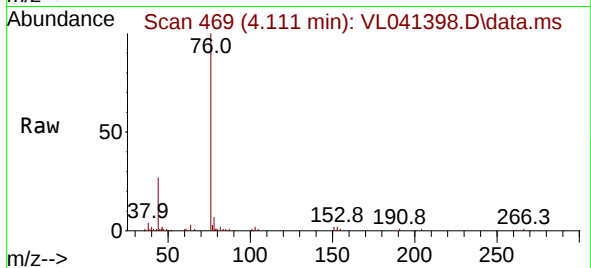
Tgt Ion:	57	Resp:	52190
Ion Ratio	Lower	Upper	
57	100		
41	106.1	74.0	111.0
43	253.1	193.6	290.4
56	60.3	43.1	64.7





#27
Carbon Disulfide
Concen: 0.489 ppbv
RT: 4.111 min Scan# 469
Delta R.T. 0.006 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

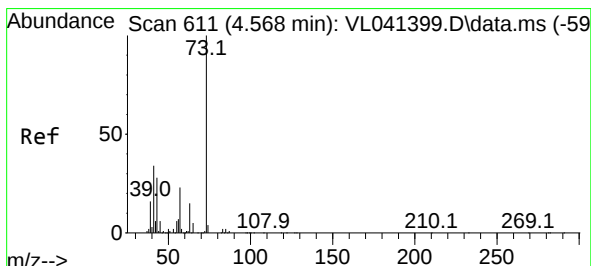
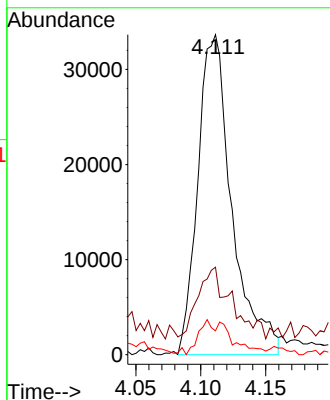
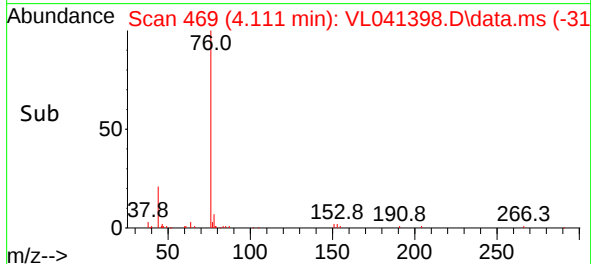
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



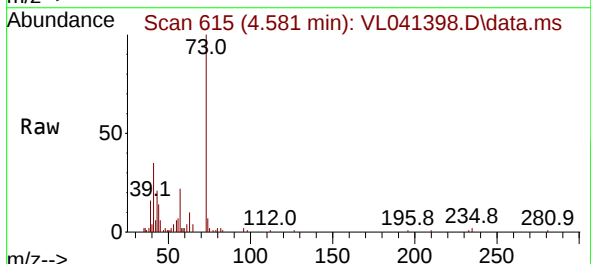
Tgt Ion: 76 Resp: 61342
Ion Ratio Lower Upper
76 100
44 22.4 15.6 23.4
78 12.2 7.7 11.5

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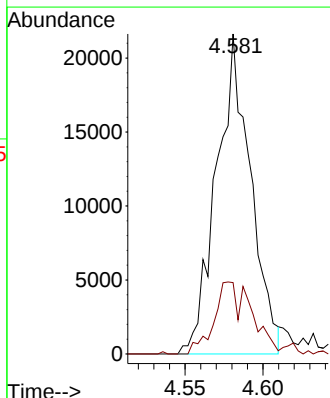
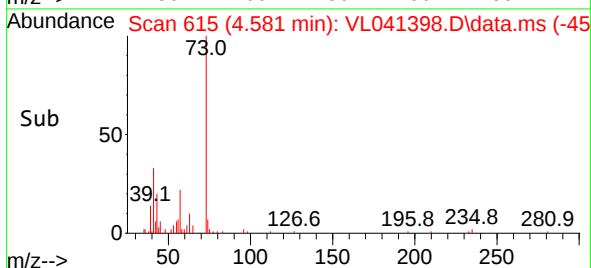
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024

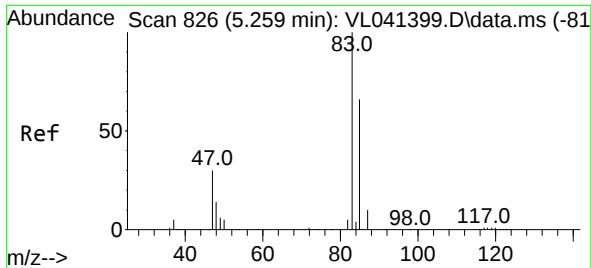


#28
Methyl tert-Butyl Ether
Concen: 0.475 ppbv
RT: 4.581 min Scan# 615
Delta R.T. 0.013 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19



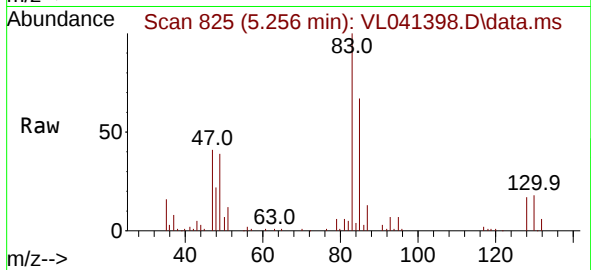
Tgt Ion: 73 Resp: 32882
Ion Ratio Lower Upper
73 100
57 26.1 18.9 28.3





#29
Chloroform
Concen: 0.503 ppbv
RT: 5.256 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

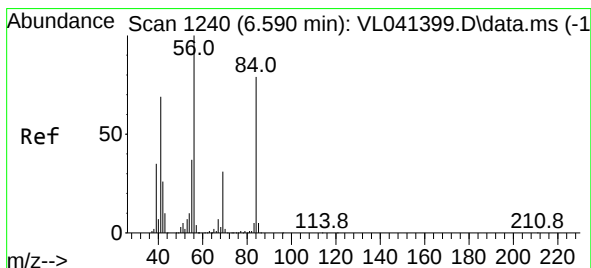
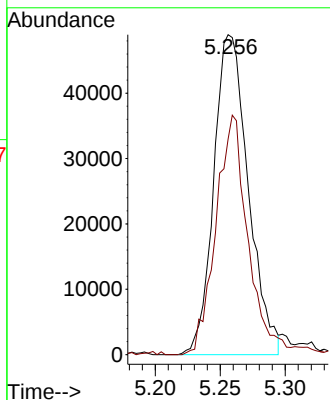
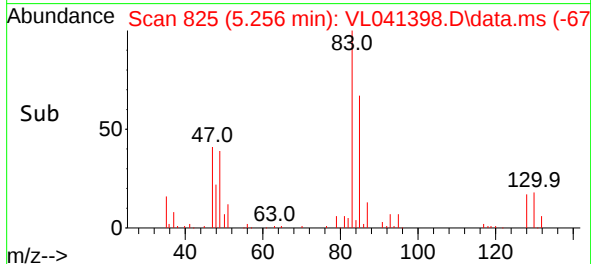
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 83 Resp: 90359
Ion Ratio Lower Upper
83 100
85 67.4 53.1 79.7

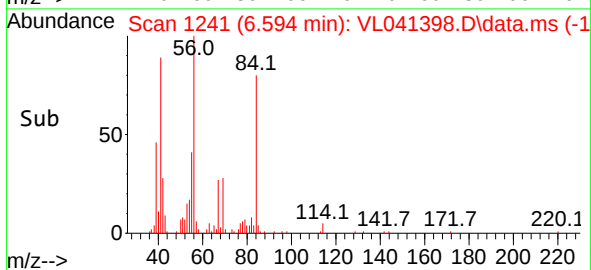
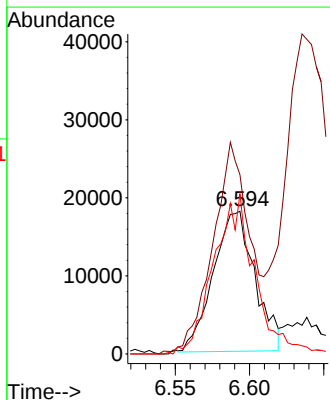
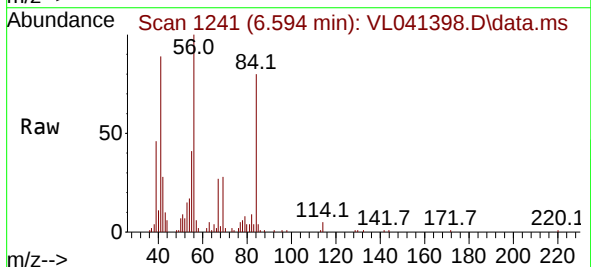
Manual Integrations
APPROVED

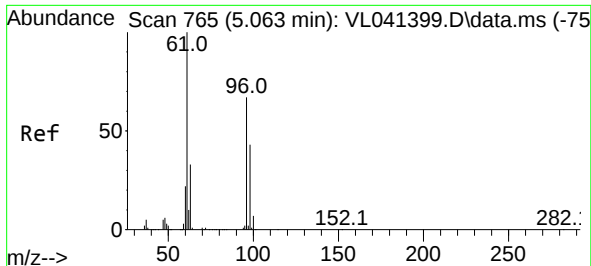
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#30
Cyclohexane
Concen: 0.389 ppbv
RT: 6.594 min Scan# 1241
Delta R.T. 0.003 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Tgt Ion: 84 Resp: 35035
Ion Ratio Lower Upper
84 100
56 135.0 111.2 166.8
41 113.1 70.3 105.5#





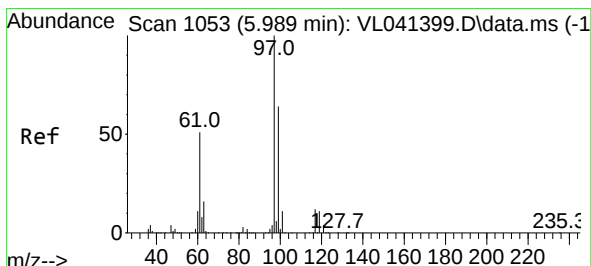
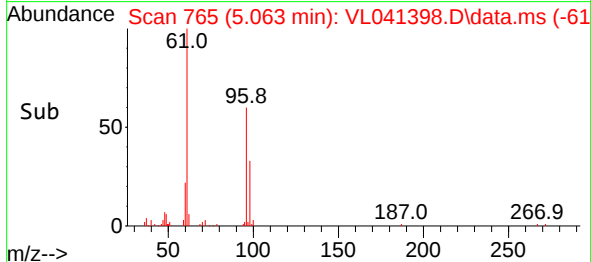
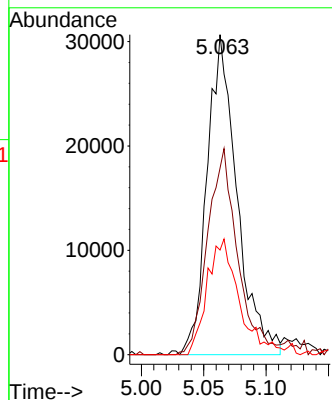
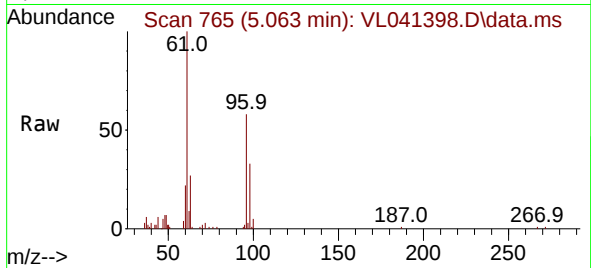
#31
 cis-1,2-Dichloroethene
 Concen: 0.472 ppbv
 RT: 5.063 min Scan# 765
 Delta R.T. -0.000 min
 Lab File: VL041398.D
 Acq: 25 Jul 2024 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 61 Resp: 51130
 Ion Ratio Lower Upper
 61 100
 96 57.5 53.4 80.2
 98 32.7 34.4 51.6

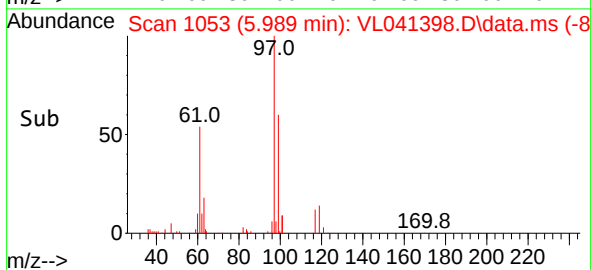
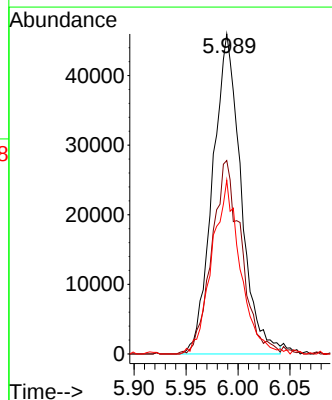
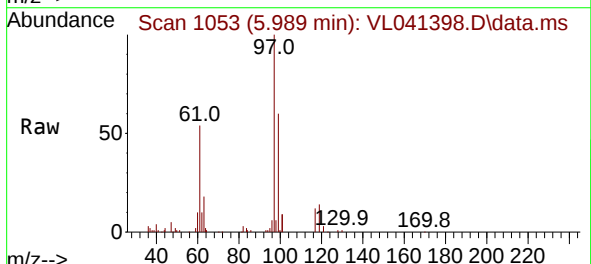
Manual Integrations
 APPROVED

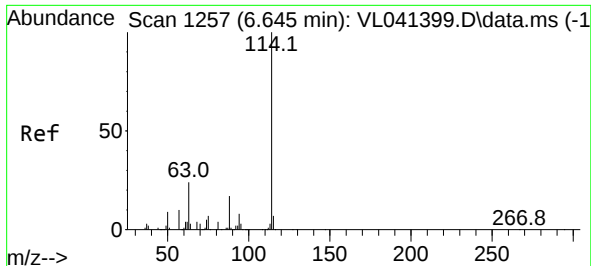
Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024



#32
 1,1,1-Trichloroethane
 Concen: 0.508 ppbv
 RT: 5.989 min Scan# 1053
 Delta R.T. -0.000 min
 Lab File: VL041398.D
 Acq: 25 Jul 2024 13:19

Tgt Ion: 97 Resp: 87155
 Ion Ratio Lower Upper
 97 100
 99 63.6 52.0 78.0
 61 54.9 41.8 62.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 114

Delta R.T. -0.007 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:114 Resp: 324542

Ion Ratio Lower Upper

114 100

63 25.0 20.3 30.5

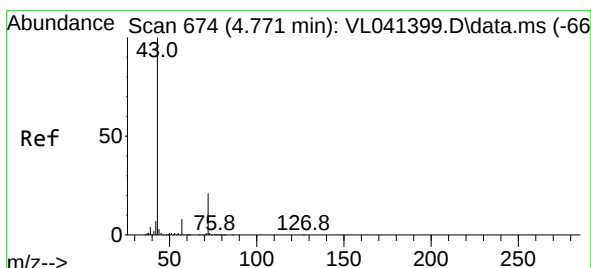
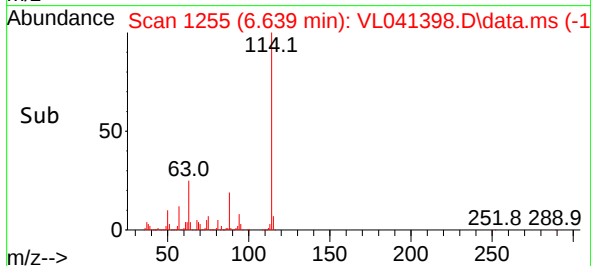
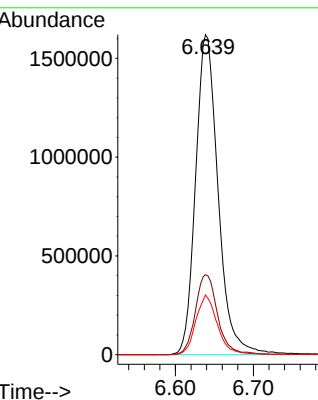
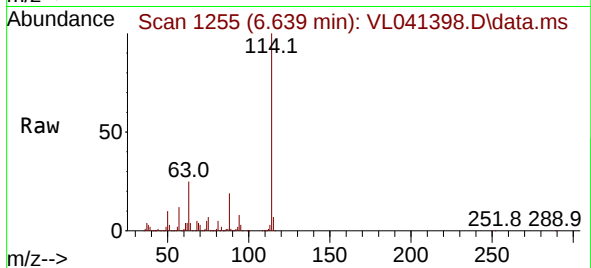
88 17.9 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024

Supervised By :Mahesh Dadoda 07/29/2024



#34

2-Butanone

Concen: 0.481 ppbv m

RT: 4.787 min Scan# 679

Delta R.T. 0.016 min

Lab File: VL041398.D

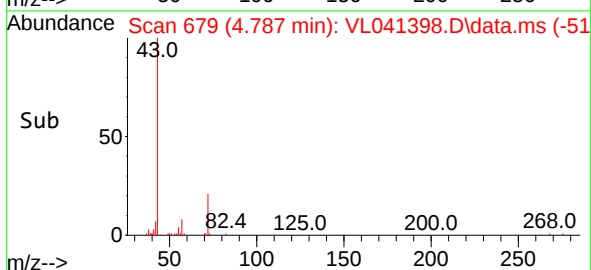
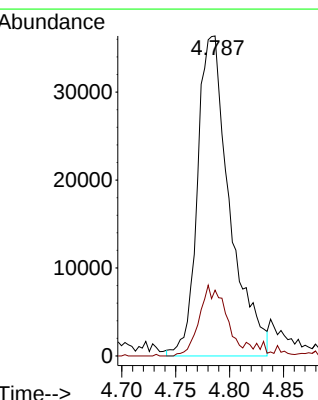
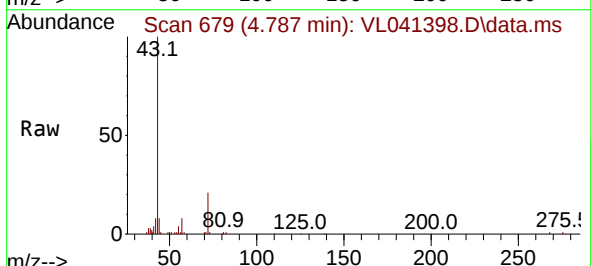
Acq: 25 Jul 2024 13:19

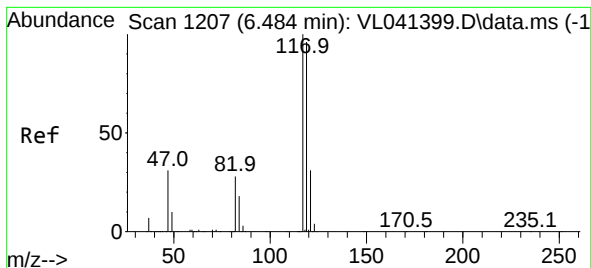
Tgt Ion: 43 Resp: 75522

Ion Ratio Lower Upper

43 100

72 21.6 17.3 25.9





#35

Carbon Tetrachloride

Concen: 0.495 ppbv

RT: 6.478 min Scan# 1167

Delta R.T. -0.007 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

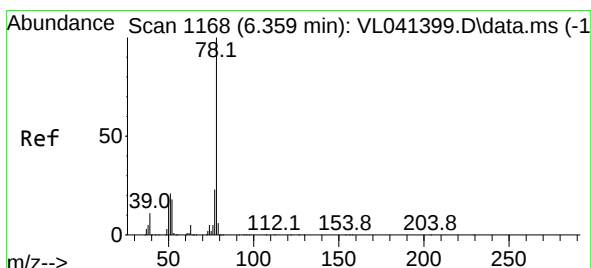
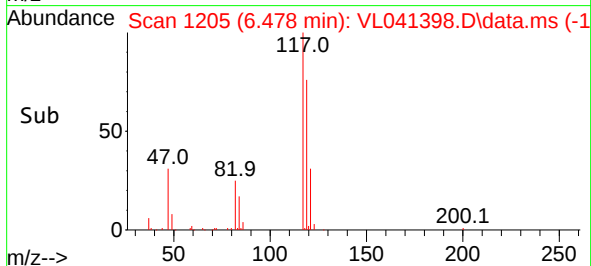
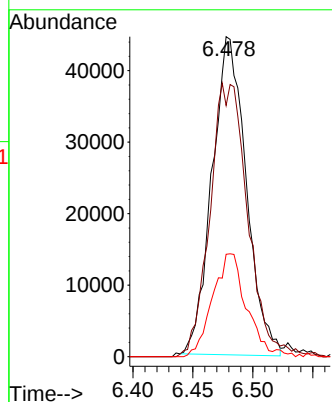
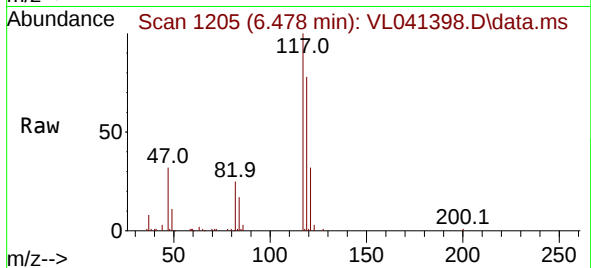
Tgt Ion: 117 Resp: 8802

Ion	Ratio	Lower	Upper
117	100		
119	78.4	76.6	115.0
121	32.3	25.1	37.7

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 07/26/2024
Supervised By : Mahesh Dadoda 07/29/2024



#36

Benzene

Concen: 0.470 ppbv

RT: 6.356 min Scan# 1167

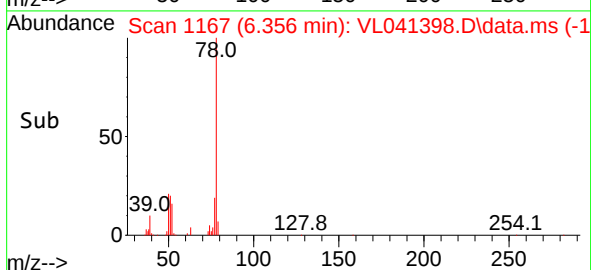
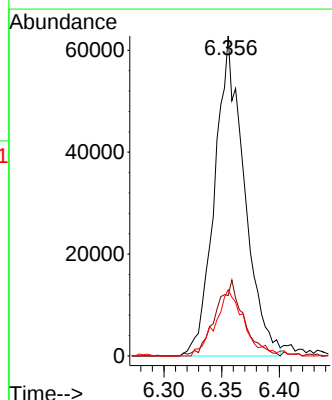
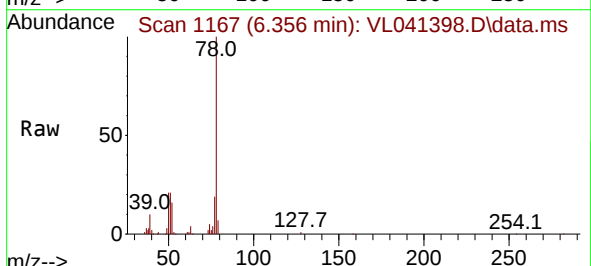
Delta R.T. -0.003 min

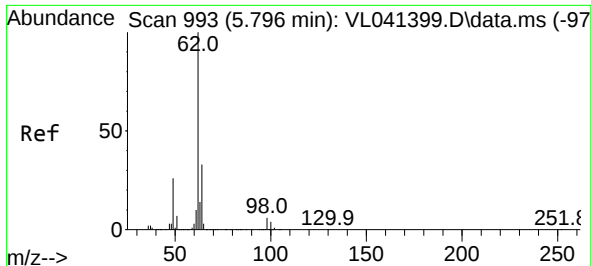
Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

Tgt Ion: 78 Resp: 112067

Ion	Ratio	Lower	Upper
78	100		
77	18.9	18.1	27.1
50	20.7	15.5	23.3





#37

1,2-Dichloroethane

Concen: 0.507 ppbv

RT: 5.793 min Scan# 993

Delta R.T. -0.003 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 62 Resp: 66949

Ion Ratio Lower Upper

62 100

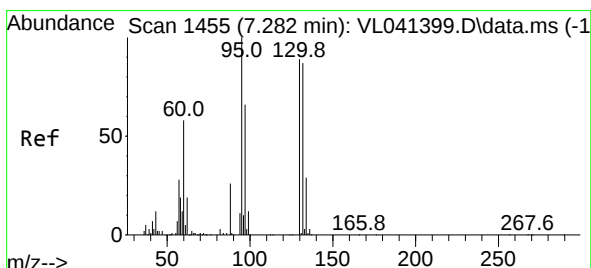
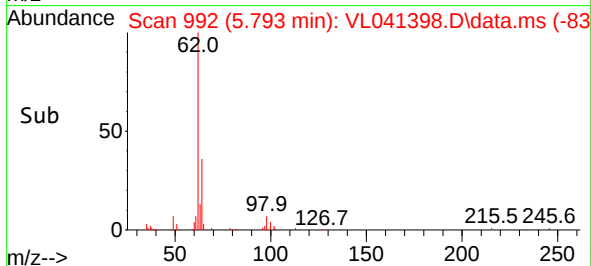
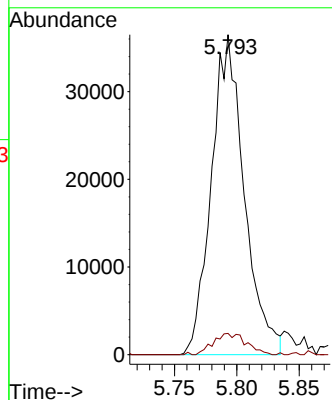
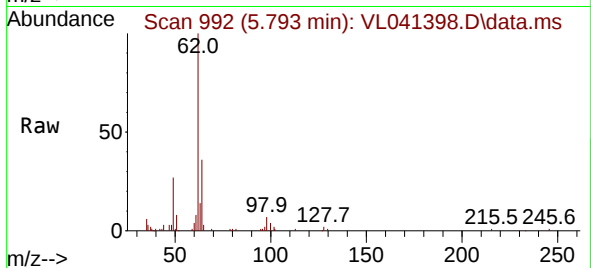
98 6.8 5.0 7.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024

Supervised By :Mahesh Dadoda 07/29/2024



#38

Trichloroethene

Concen: 0.488 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. -0.000 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

Tgt Ion:130 Resp: 52825

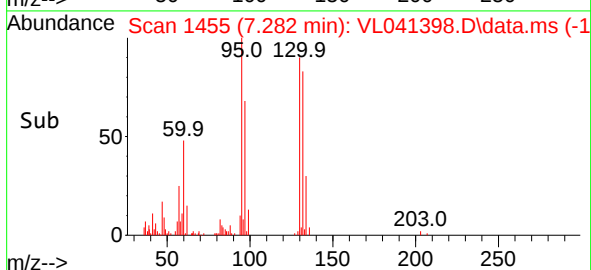
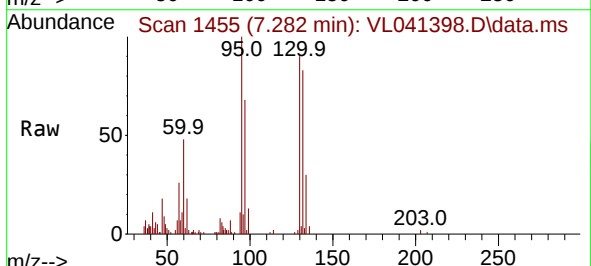
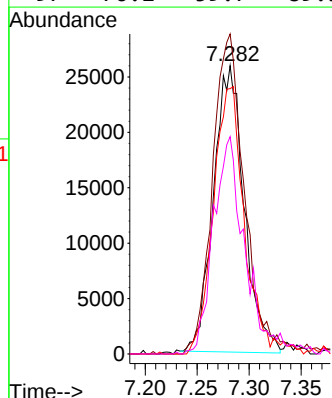
Ion Ratio Lower Upper

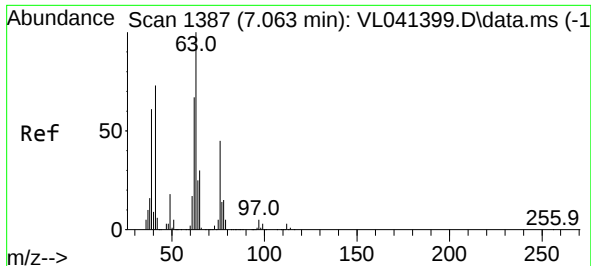
130 100

95 112.1 90.2 135.2

132 92.9 78.1 117.1

97 76.2 59.7 89.5





#39

1,2-Dichloropropane

Concen: 0.473 ppbv

RT: 7.060 min Scan# 1462

Delta R.T. -0.003 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

Instrument :

MSVOA_L

ClientSampleId :

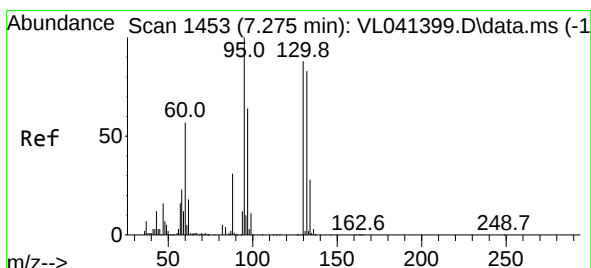
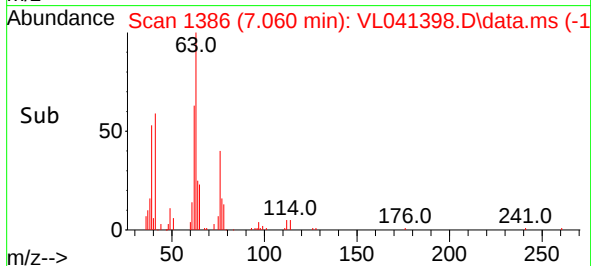
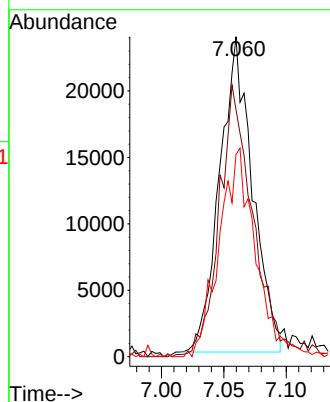
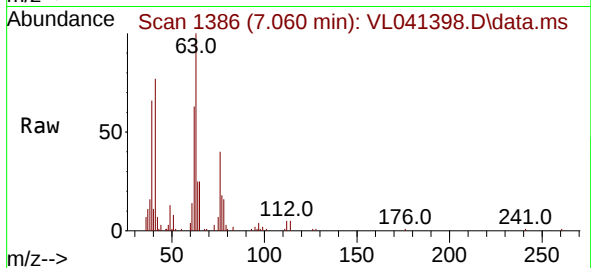
VSTDICC0.5

Tgt Ion: 63	Resp: 4336
Ion Ratio	Lower Upper
63	100
41	77.6 58.3 87.5
62	64.2 53.9 80.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#40

1,4-Dioxane

Concen: 0.633 ppbv m

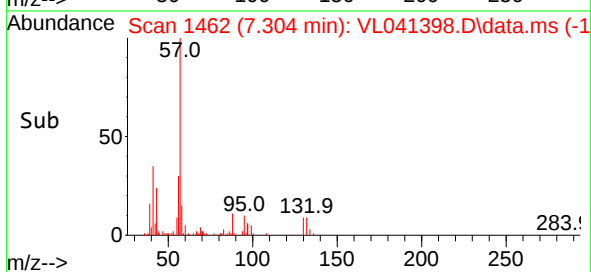
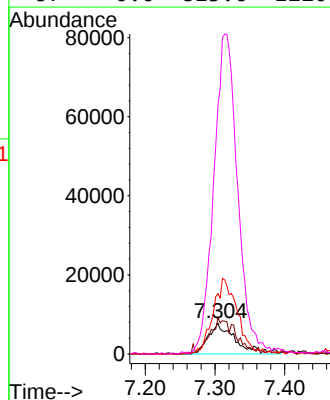
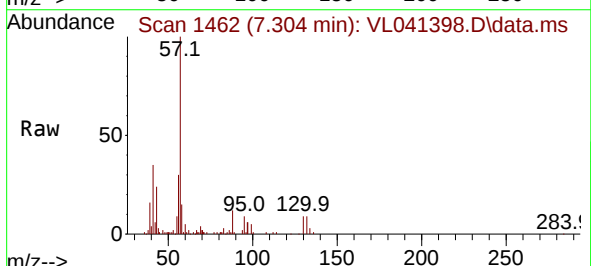
RT: 7.304 min Scan# 1462

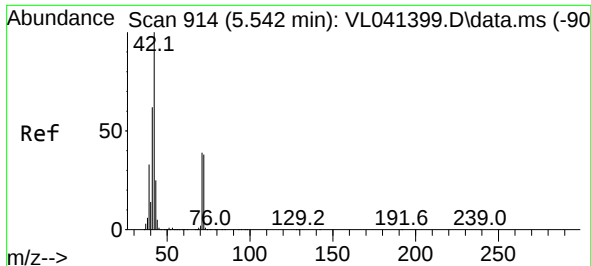
Delta R.T. 0.029 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

Tgt Ion: 88	Resp: 21057
Ion Ratio	Lower Upper
88	100
58	0.0 95.8 143.6#
43	0.0 188.2 282.2#
57	0.0 813.6 1220.4#





#41

Tetrahydrofuran

Concen: 0.403 ppbv

RT: 5.568 min Scan# 914

Delta R.T. 0.026 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

Instrument :

MSVOA_L

ClientSampleId :

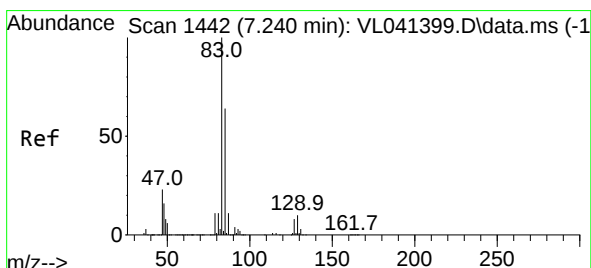
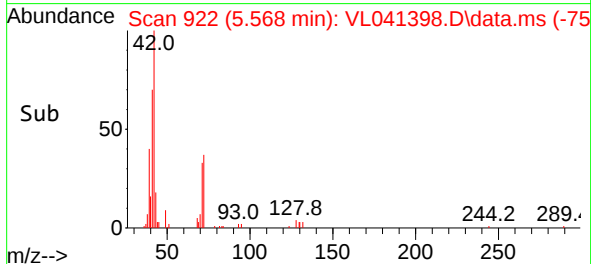
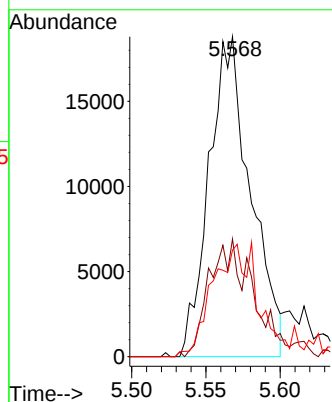
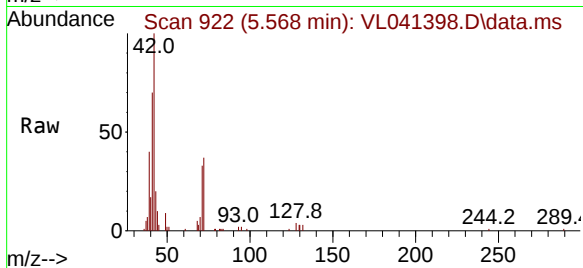
VSTDIC0.5

Tgt Ion:	42	Resp:	3669
Ion Ratio	Lower	Upper	
42	100		
72	40.4	31.2	46.8
71	39.3	30.5	45.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#42

Bromodichloromethane

Concen: 0.486 ppbv

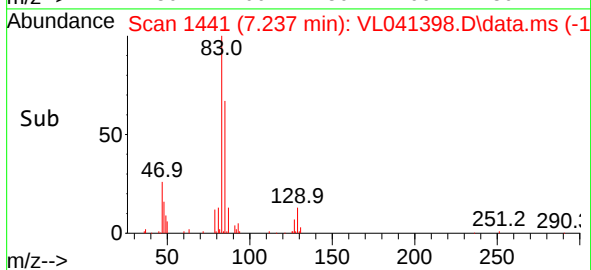
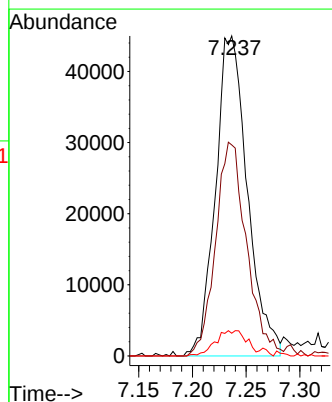
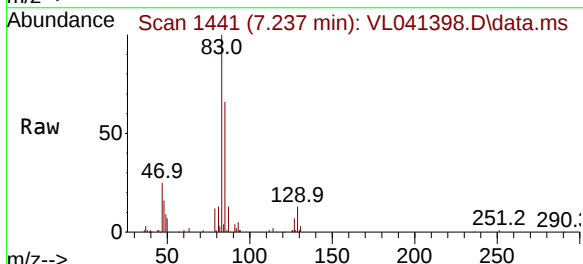
RT: 7.237 min Scan# 1441

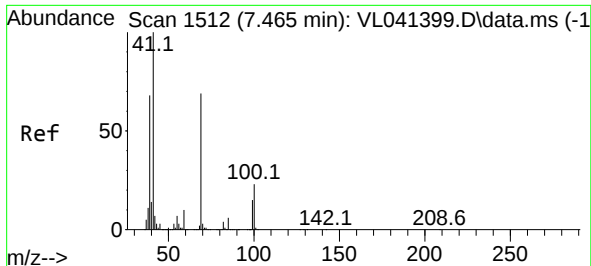
Delta R.T. -0.003 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

Tgt Ion:	83	Resp:	92906
Ion Ratio	Lower	Upper	
83	100		
85	66.0	51.4	77.0
127	7.1	6.7	10.1





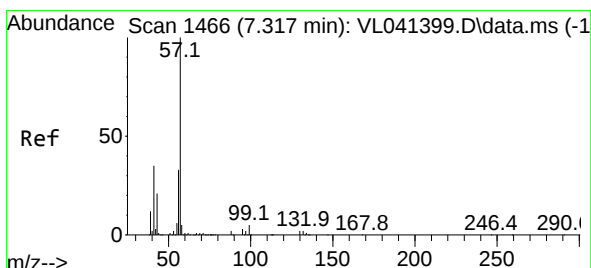
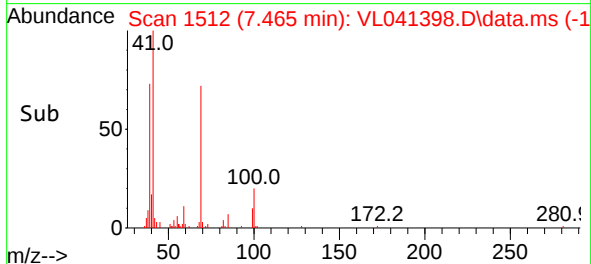
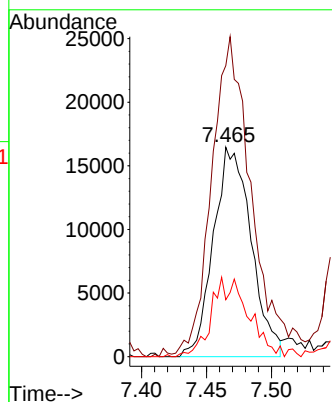
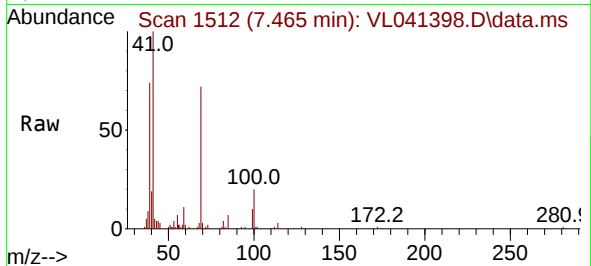
#43
Methyl Methacrylate
Concen: 0.386 ppbv
RT: 7.465 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5

Tgt Ion: 69 Resp: 33258
Ion Ratio Lower Upper
69 100
41 160.5 118.7 178.1
100 37.9 27.0 40.4

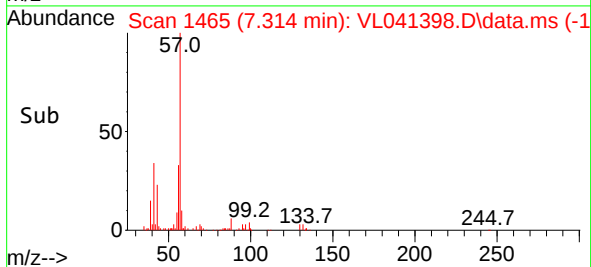
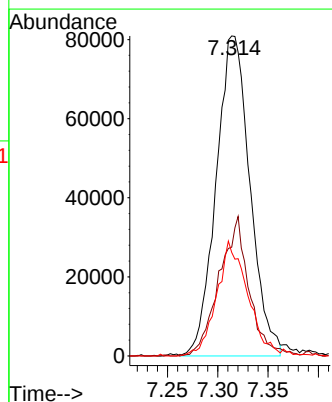
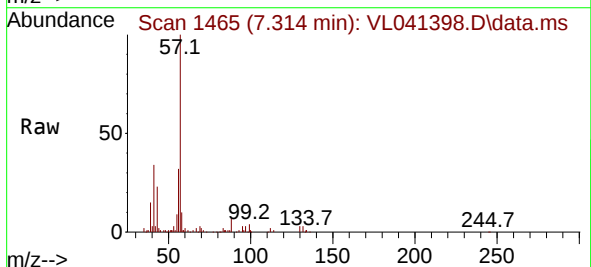
Manual Integrations
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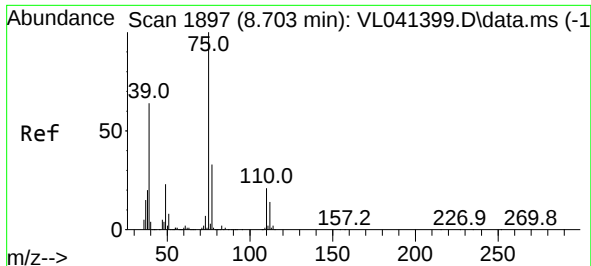
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#44
2,2,4-Trimethylpentane
Concen: 0.479 ppbv
RT: 7.314 min Scan# 1465
Delta R.T. -0.003 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Tgt Ion: 57 Resp: 189569
Ion Ratio Lower Upper
57 100
41 38.9 27.0 40.6
56 33.6 25.2 37.8





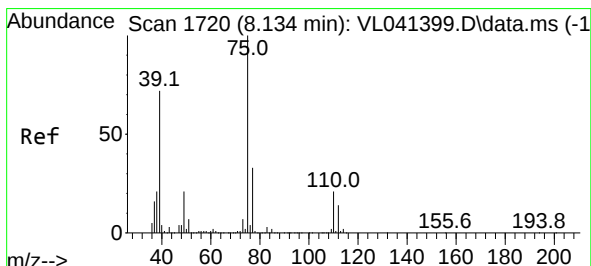
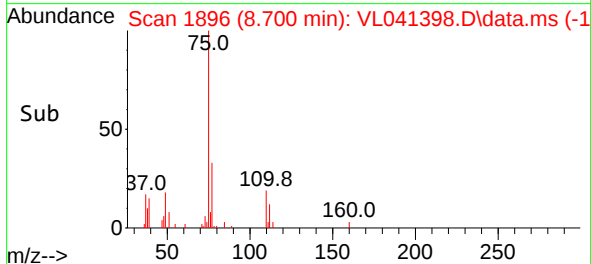
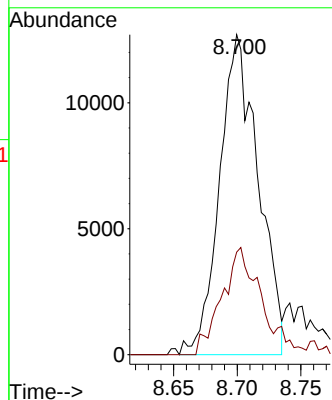
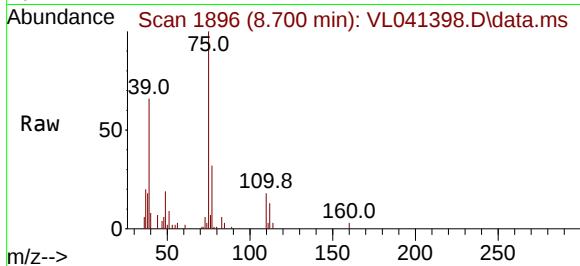
#45
t-1,3-Dichloropropene
Concen: 0.341 ppbv m
RT: 8.700 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 75 Resp: 2686
Ion Ratio Lower Upper
75 100
77 32.1 26.5 39.7

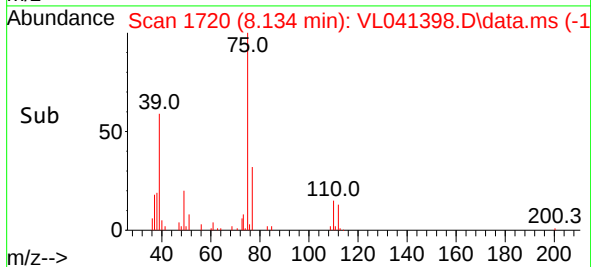
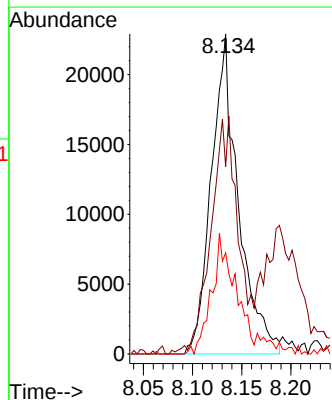
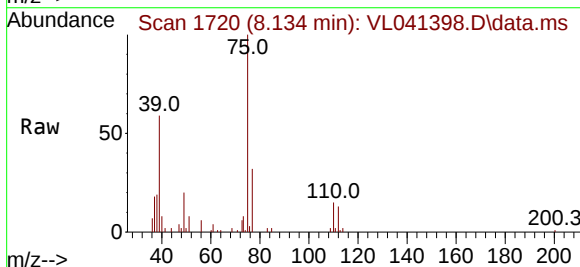
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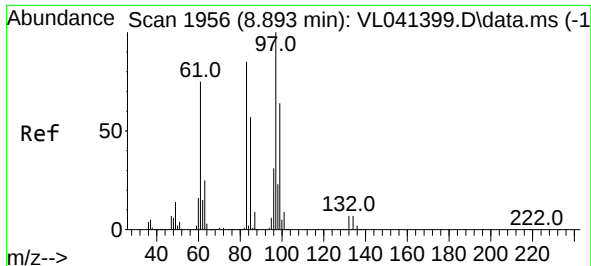
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#46
cis-1,3-Dichloropropene
Concen: 0.384 ppbv m
RT: 8.134 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Tgt Ion: 75 Resp: 43823
Ion Ratio Lower Upper
75 100
39 58.5 57.3 85.9
77 31.5 26.2 39.2





#47

1,1,2-Trichloroethane

Concen: 0.505 ppbv

RT: 8.886 min Scan# 1956

Delta R.T. -0.007 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 97 Resp: 5023

Ion Ratio Lower Upper

97 100

83 85.3 67.6 101.4

85 50.5 45.9 68.9

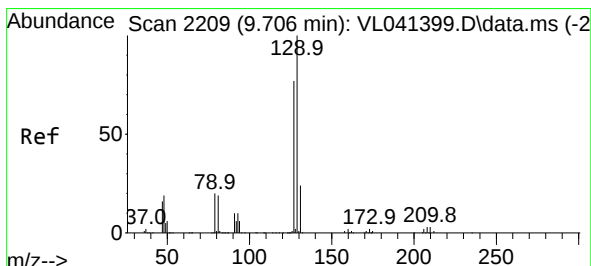
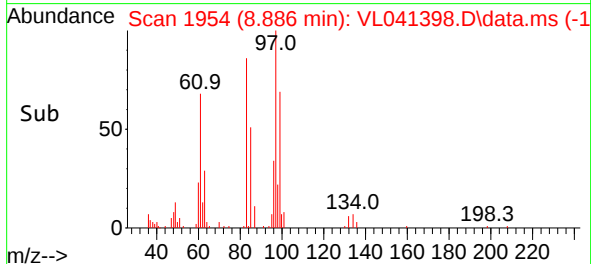
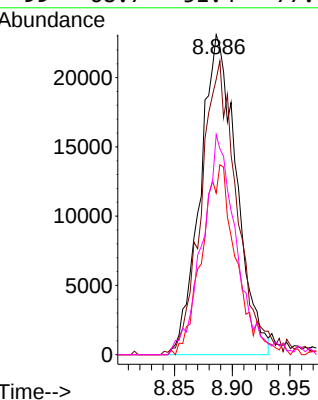
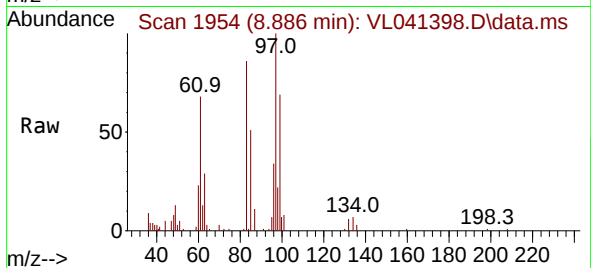
99 68.7 51.4 77.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/26/2024

Supervised By :Mahesh Dadoda 07/29/2024



#48

Dibromochloromethane

Concen: 0.452 ppbv

RT: 9.700 min Scan# 2207

Delta R.T. -0.007 min

Lab File: VL041398.D

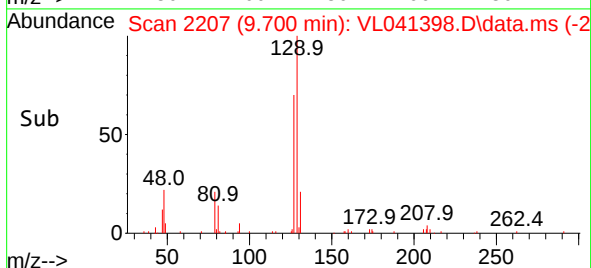
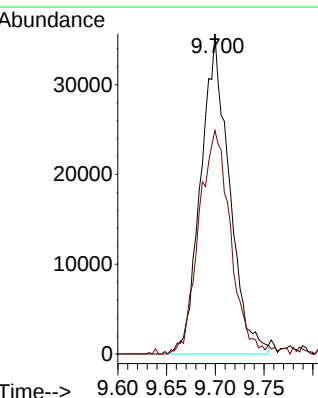
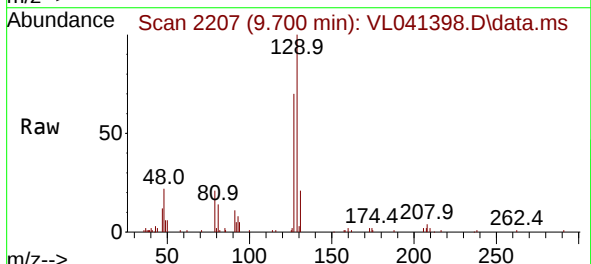
Acq: 25 Jul 2024 13:19

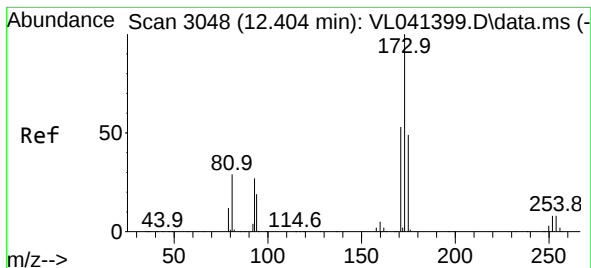
Tgt Ion:129 Resp: 72480

Ion Ratio Lower Upper

129 100

127 78.2 39.3 117.8





#49

Bromoform

Concen: 0.423 ppbv

RT: 12.400 min Scan# 3048

Delta R.T. -0.003 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

Instrument :

MSVOA_L

ClientSampleId :

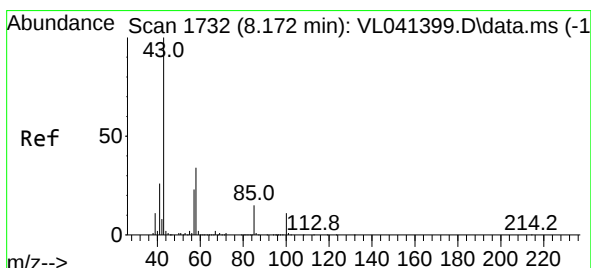
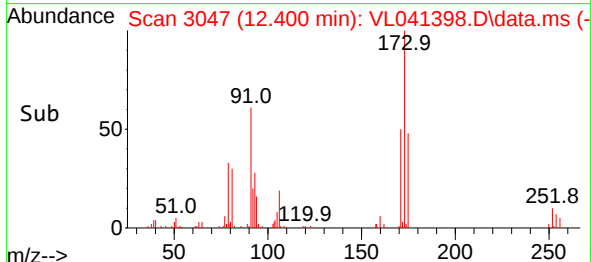
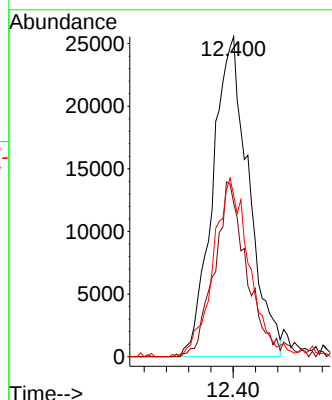
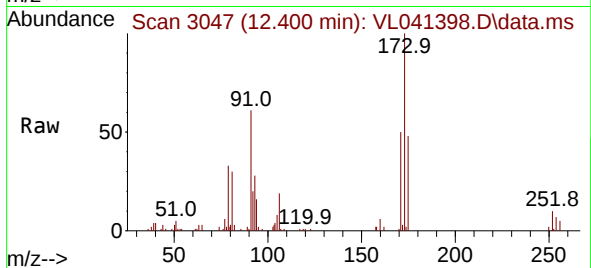
VSTDICC0.5

Tgt Ion: 173	Resp: 5738
Ion Ratio	Lower Upper
173 100	
175 51.8	39.9 59.9
171 56.8	41.7 62.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#50

4-Methyl-2-Pentanone

Concen: 0.417 ppbv m

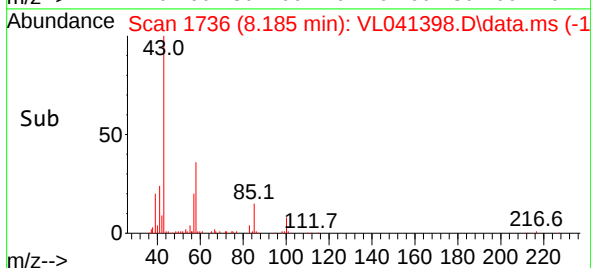
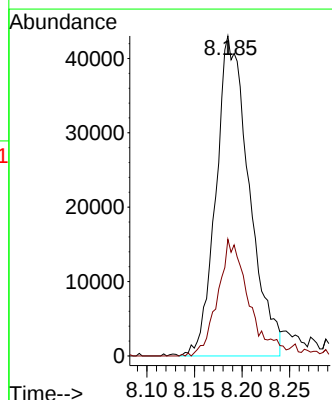
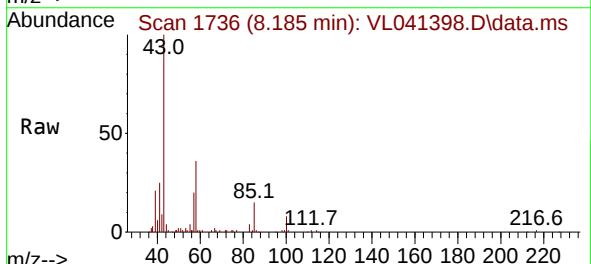
RT: 8.185 min Scan# 1736

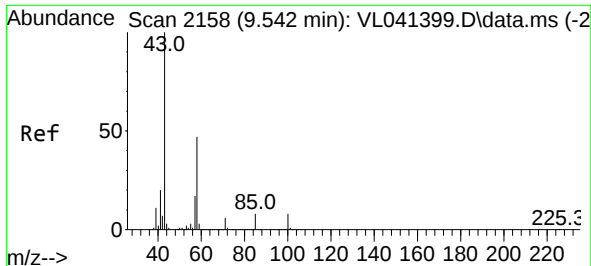
Delta R.T. 0.013 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

Tgt Ion: 43	Resp: 104559
Ion Ratio	Lower Upper
43 100	
58 35.7	27.9 41.9





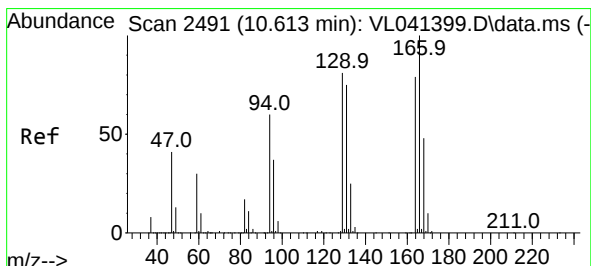
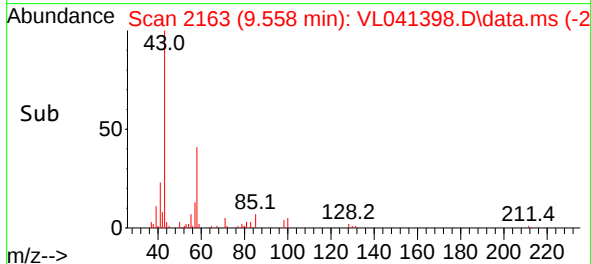
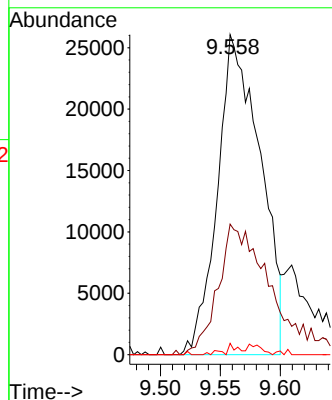
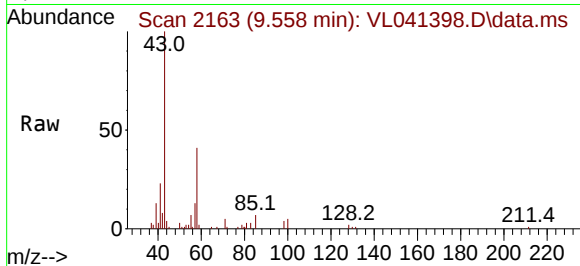
#51
2-Hexanone
Concen: 0.338 ppbv
RT: 9.558 min Scan# 2158
Delta R.T. 0.016 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 64659
Ion Ratio Lower Upper
43 100
58 49.8 38.2 57.2
98 2.2 0.3 0.5

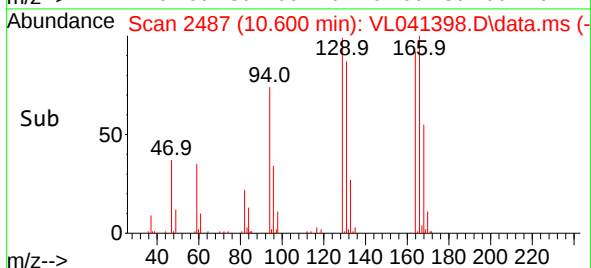
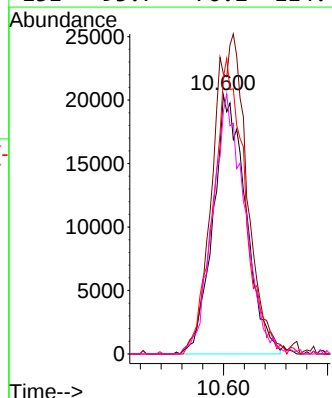
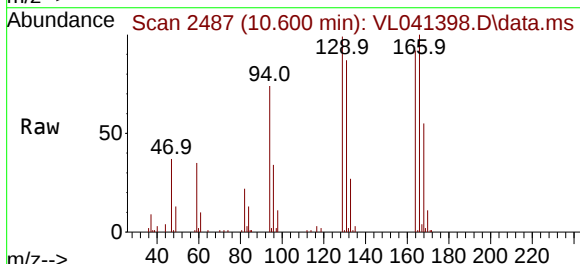
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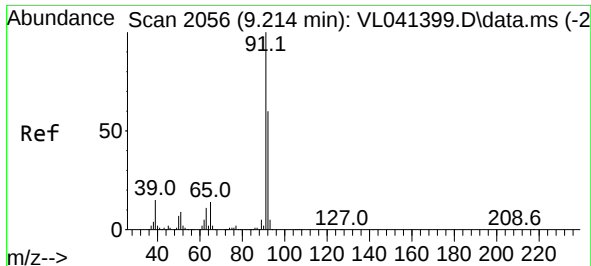
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#52
Tetrachloroethene
Concen: 0.486 ppbv
RT: 10.600 min Scan# 2487
Delta R.T. -0.013 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Tgt Ion:164 Resp: 44583
Ion Ratio Lower Upper
164 100
166 108.2 101.1 151.7
129 106.9 81.7 122.5
131 93.7 76.2 114.4





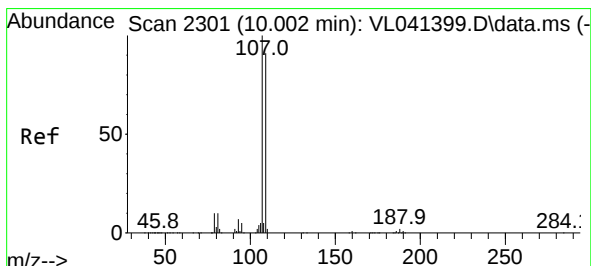
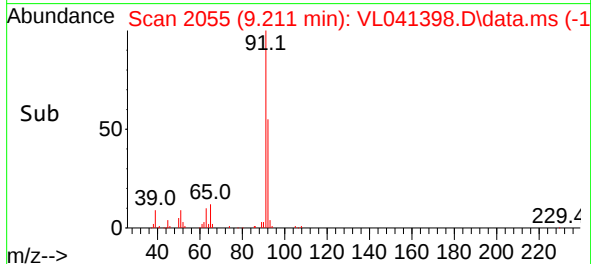
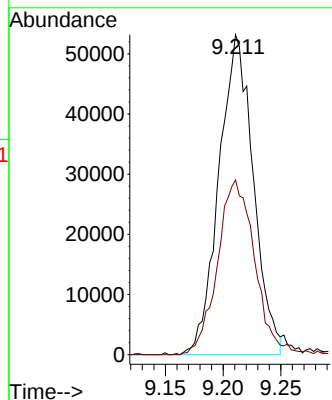
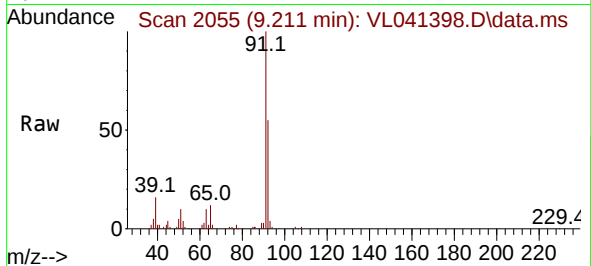
#53
Toluene
Concen: 0.411 ppbv
RT: 9.211 min Scan# 2055
Delta R.T. -0.003 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5

Tgt Ion: 91 Resp: 1105
Ion Ratio Lower Upper
91 100
92 59.4 48.7 73.1

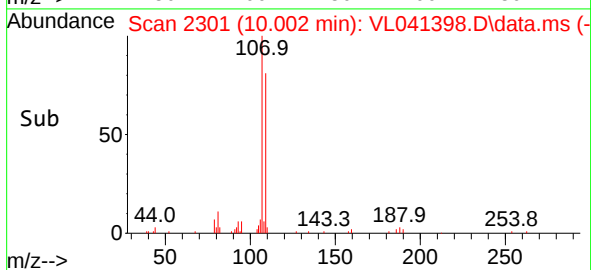
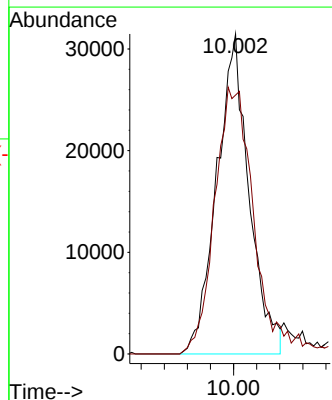
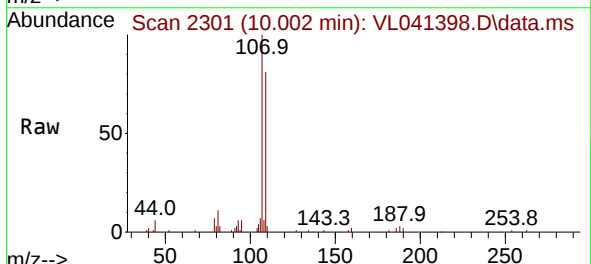
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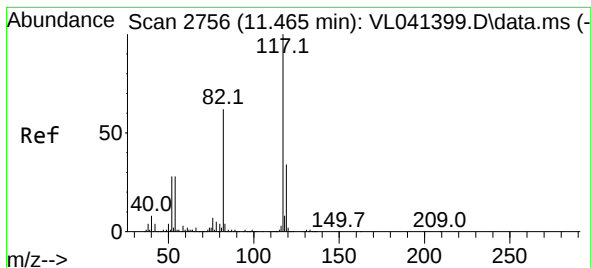
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#54
1,2-Dibromoethane
Concen: 0.455 ppbv
RT: 10.002 min Scan# 2301
Delta R.T. -0.000 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Tgt Ion:107 Resp: 61242
Ion Ratio Lower Upper
107 100
109 80.9 72.7 109.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.458 min Scan# 2754

Delta R.T. -0.007 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:117 Resp: 3043708

Ion Ratio Lower Upper

117 100

82 62.8 51.0 76.6

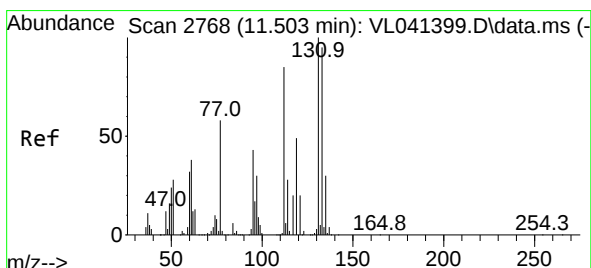
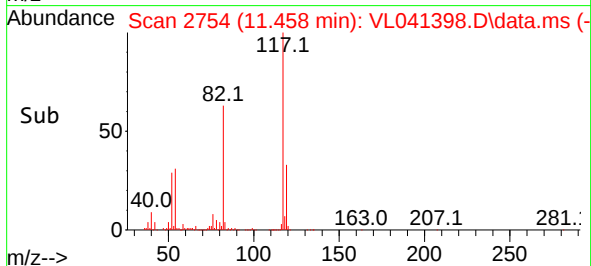
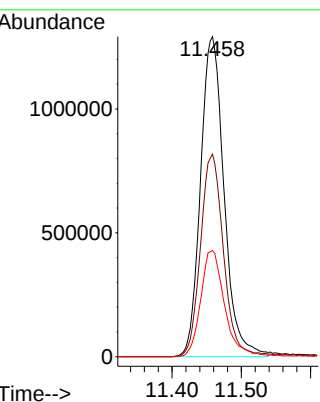
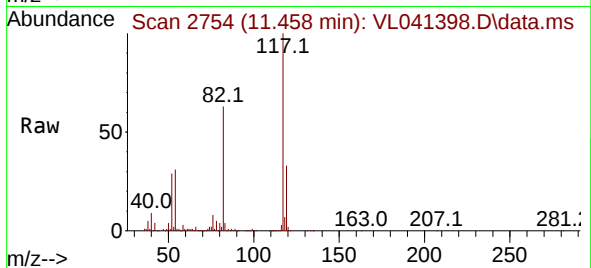
119 34.1 45.2 67.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/26/2024

Supervised By :Mahesh Dadoda 07/29/2024



#56

1,1,1,2-Tetrachloroethane

Concen: 0.519 ppbv

RT: 11.497 min Scan# 2766

Delta R.T. -0.007 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

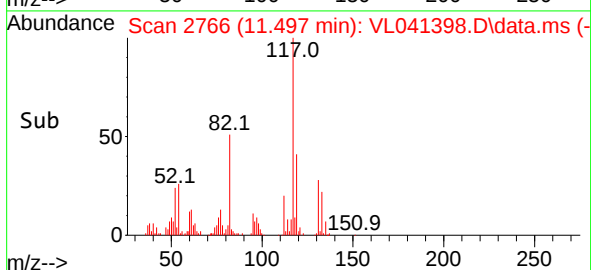
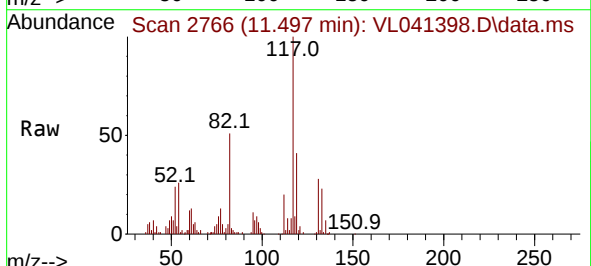
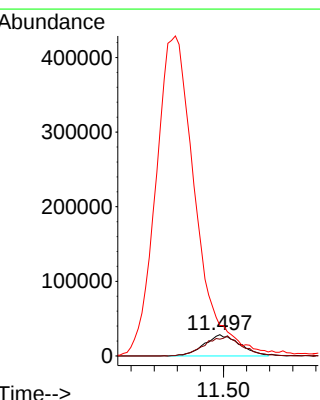
Tgt Ion:131 Resp: 61039

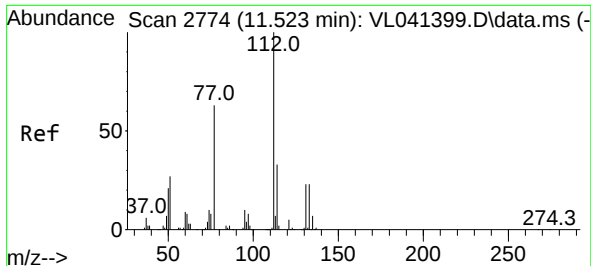
Ion Ratio Lower Upper

131 100

133 97.5 77.0 115.4

119 1698.4 121.5 182.3#





#57

Chlorobenzene

Concen: 0.524 ppbv

RT: 11.516 min Scan# 21

Delta R.T. -0.007 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

Instrument :

MSVOA_L

ClientSampleId :

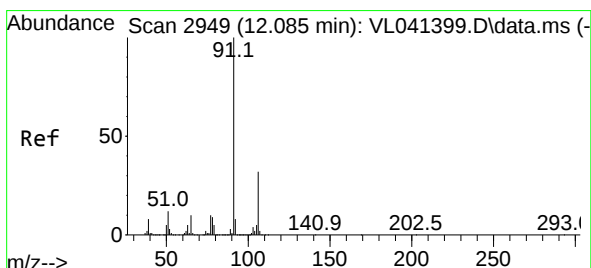
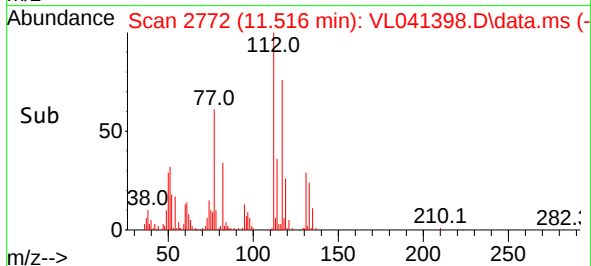
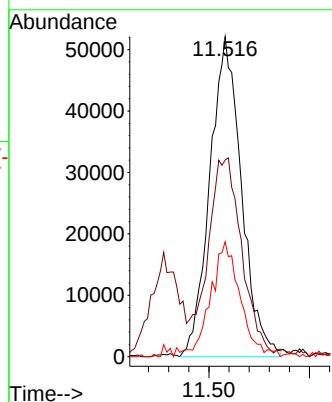
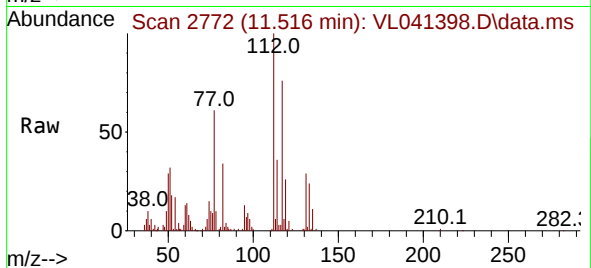
VSTDIC0.5

Tgt Ion:112 Resp: 113739
 Ion Ratio Lower Upper
 112 100
 77 59.1 51.1 76.7
 114 35.9 29.5 36.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024



#58

Ethyl Benzene

Concen: 0.441 ppbv

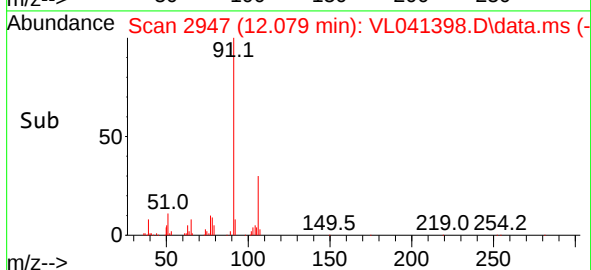
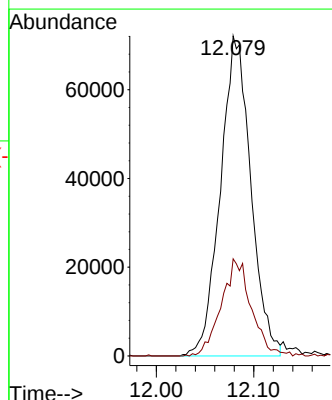
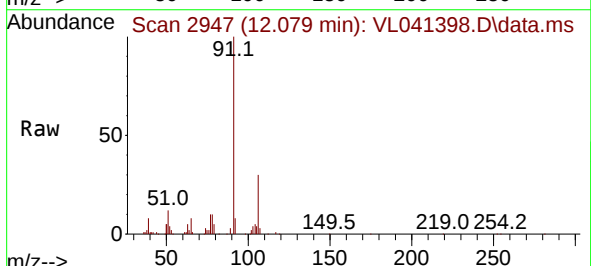
RT: 12.079 min Scan# 2947

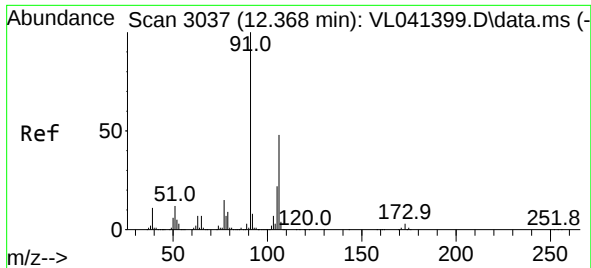
Delta R.T. -0.007 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

Tgt Ion: 91 Resp: 156513
 Ion Ratio Lower Upper
 91 100
 106 30.3 25.8 38.8





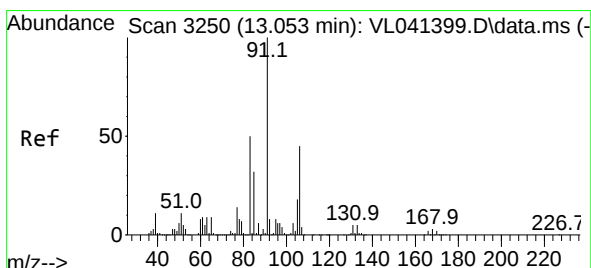
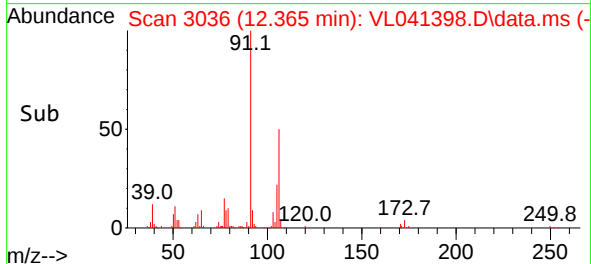
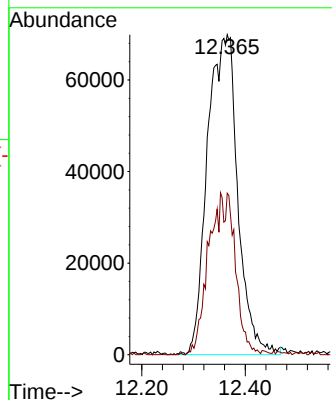
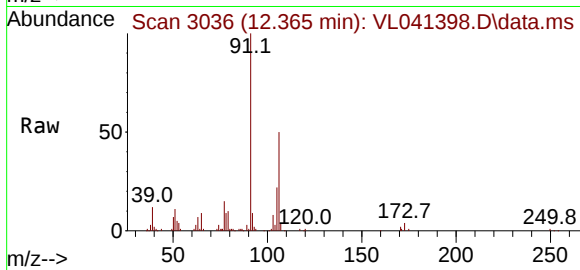
#59
m/p-Xylene
Concen: 0.936 ppbv m
RT: 12.365 min Scan# 3036
Delta R.T. -0.003 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 284320
Ion Ratio Lower Upper
91 100
106 0.0 36.3 54.5

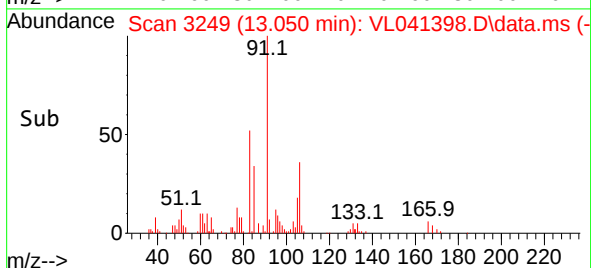
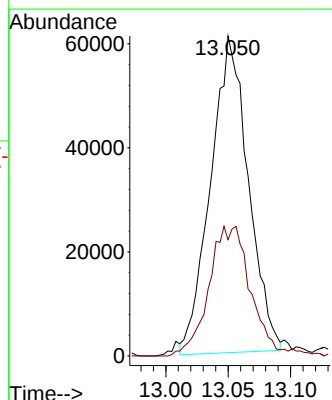
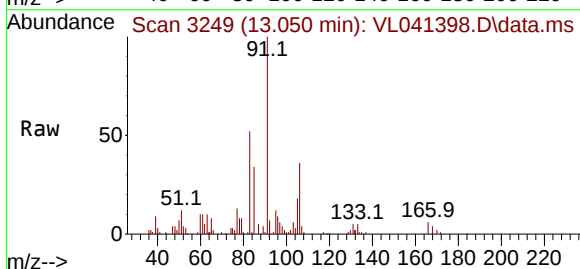
Manual Integrations
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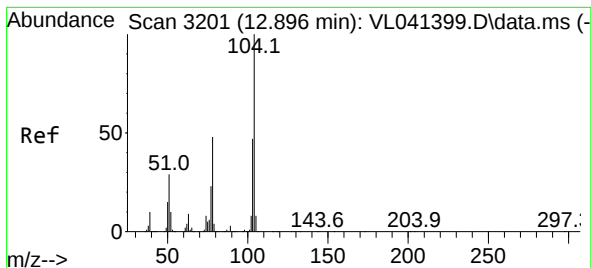
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#60
o-Xylene
Concen: 0.440 ppbv
RT: 13.050 min Scan# 3249
Delta R.T. -0.003 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Tgt Ion: 91 Resp: 128195
Ion Ratio Lower Upper
91 100
106 45.8 23.1 69.3





#61

Styrene

Concen: 0.362 ppbv

RT: 12.889 min Scan# 3199

Delta R.T. -0.007 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

Instrument :

MSVOA_L

ClientSampleId :

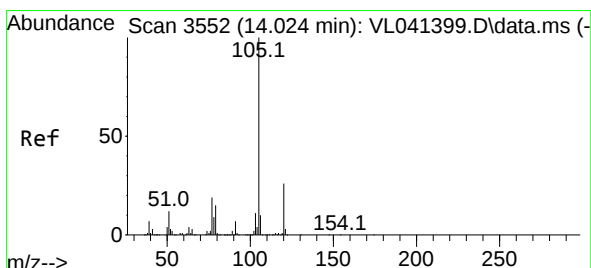
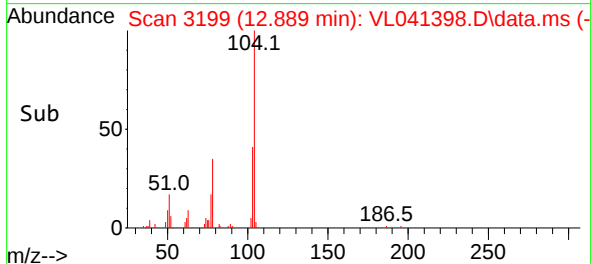
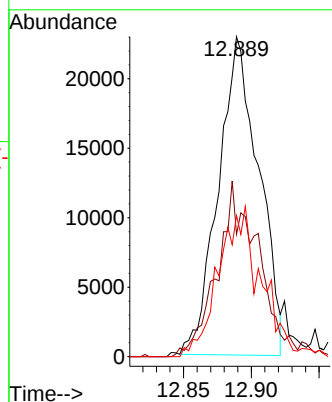
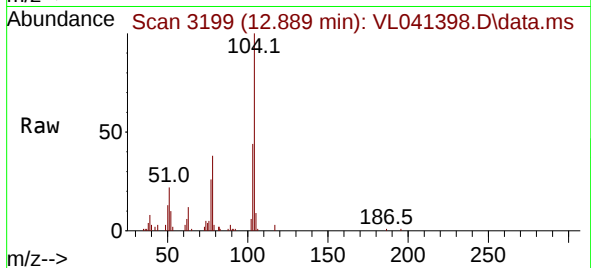
VSTDICC0.5

Tgt Ion:	104	Resp:	4756
Ion Ratio	Lower	Upper	
104	100		
78	57.1	40.8	61.2
103	49.7	38.2	57.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#62

Isopropylbenzene

Concen: 0.492 ppbv m

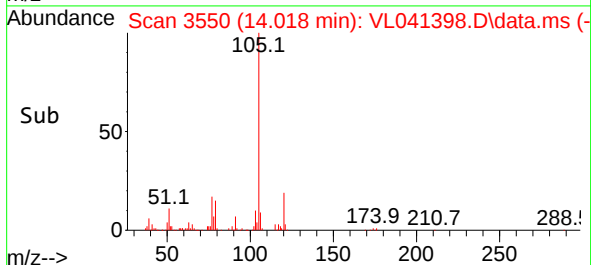
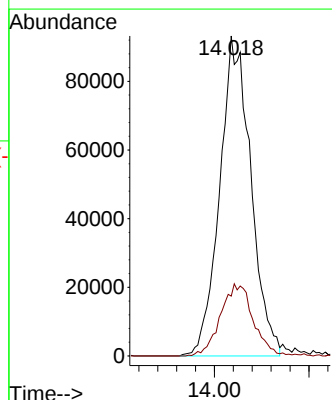
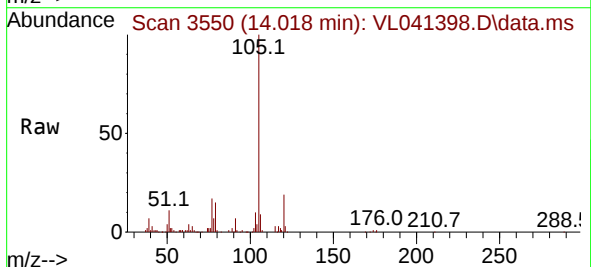
RT: 14.018 min Scan# 3550

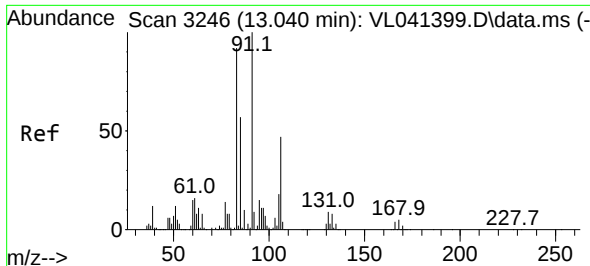
Delta R.T. -0.007 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

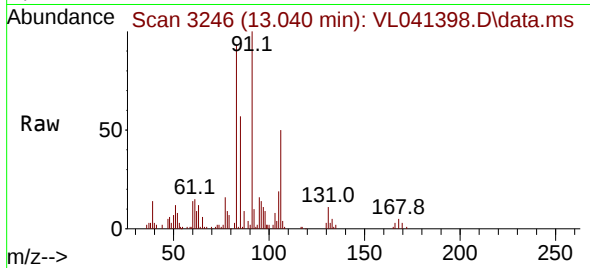
Tgt Ion:	105	Resp:	213603
Ion Ratio	Lower	Upper	
105	100		
120	23.8	21.0	31.4





#63
1,1,2,2-Tetrachloroethane
Concen: 0.526 ppbv
RT: 13.040 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

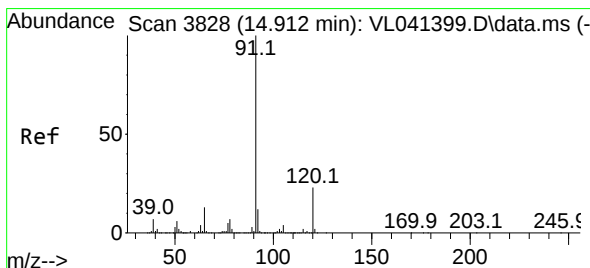
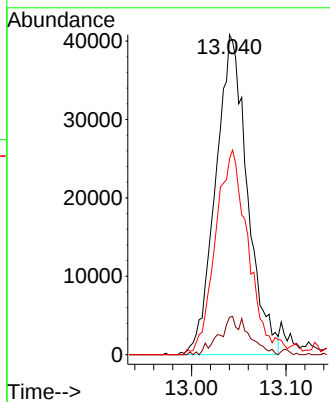
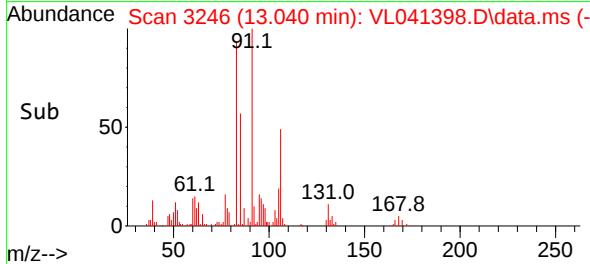
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



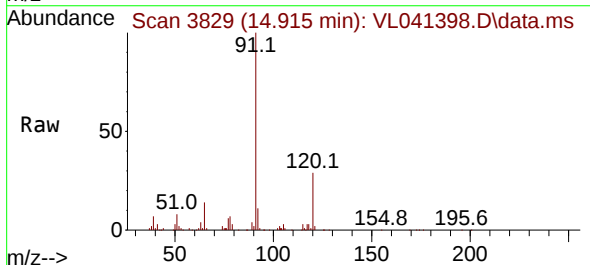
Tgt Ion: 83 Resp: 95214
Ion Ratio Lower Upper
83 100
131 11.1 4.8 14.4
85 67.4 32.6 98.0

Manual Integrations
APPROVED

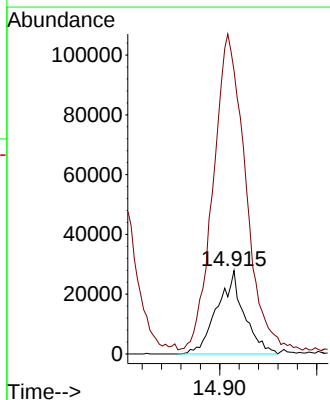
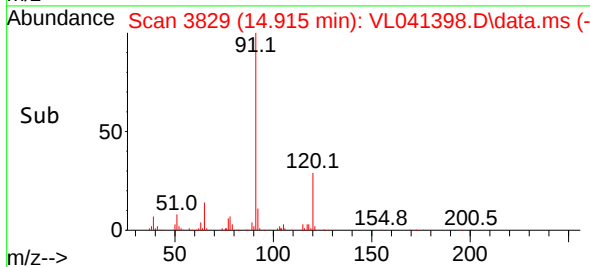
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024

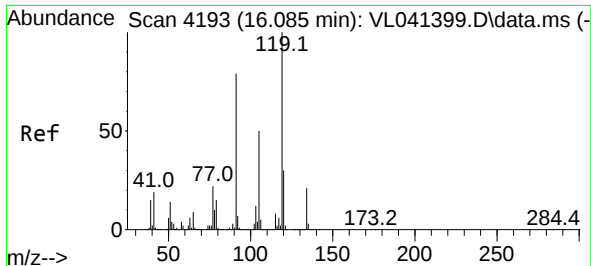


#64
n-propylbenzene
Concen: 0.473 ppbv m
RT: 14.915 min Scan# 3829
Delta R.T. 0.003 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19



Tgt Ion:120 Resp: 53748
Ion Ratio Lower Upper
120 100
91 482.2 361.4 542.0





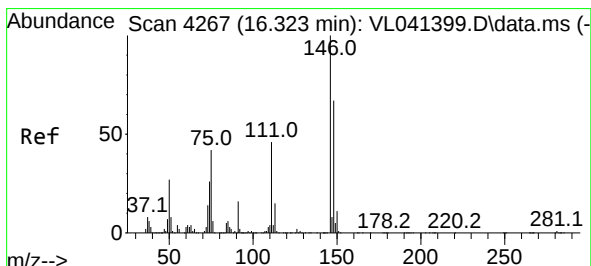
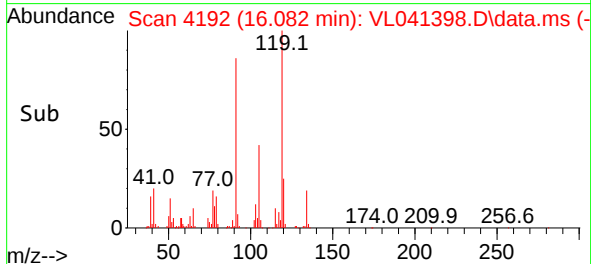
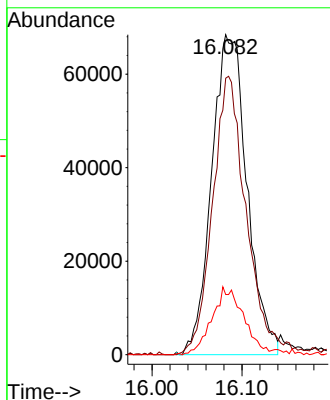
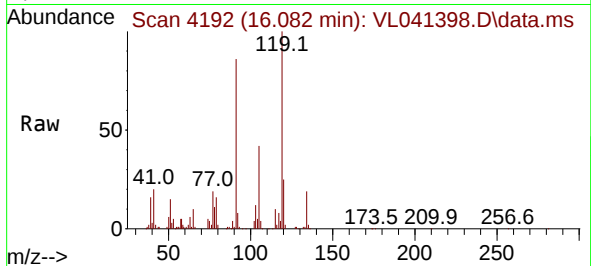
#65
tert-Butylbenzene
Concen: 0.476 ppbv m
RT: 16.082 min Scan# 4193
Delta R.T. -0.003 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 119 Resp: 18703
Ion Ratio Lower Upper
119 100
91 83.5 64.2 96.2
134 19.7 15.7 23.5

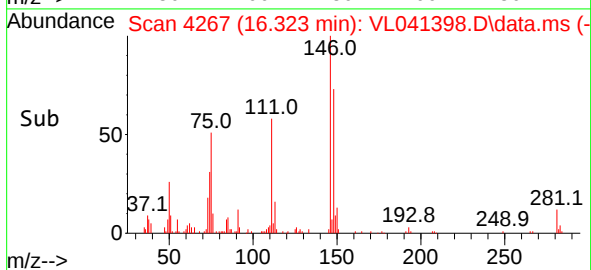
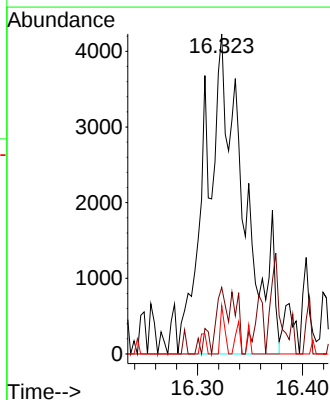
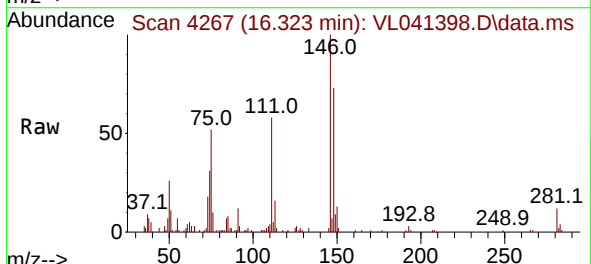
Manual Integrations
APPROVED

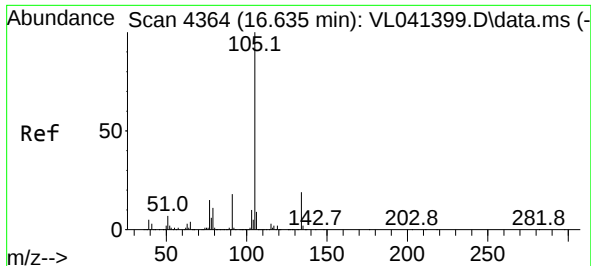
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#66
Benzyl Chloride
Concen: 0.422 ppbv m
RT: 16.323 min Scan# 4267
Delta R.T. -0.000 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

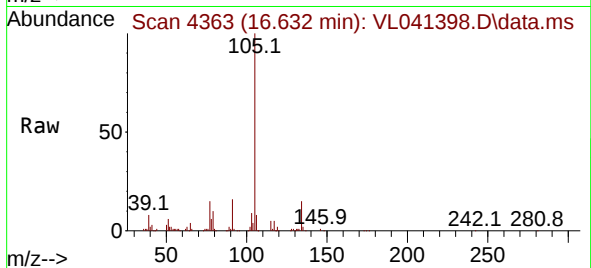
Tgt Ion: 91 Resp: 10564
Ion Ratio Lower Upper
91 100
126 11.5 13.8 20.8#
128 4.6 4.4 6.6





#67
 sec-Butylbenzene
 Concen: 0.458 ppbv
 RT: 16.632 min Scan# 4363
 Delta R.T. -0.003 min
 Lab File: VL041398.D
 Acq: 25 Jul 2024 13:19

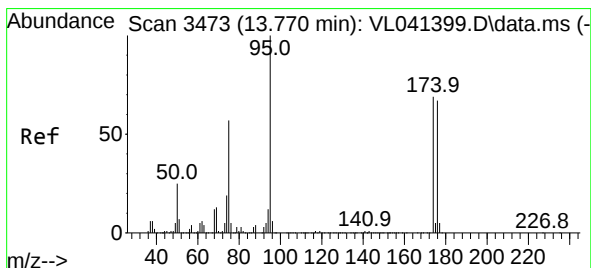
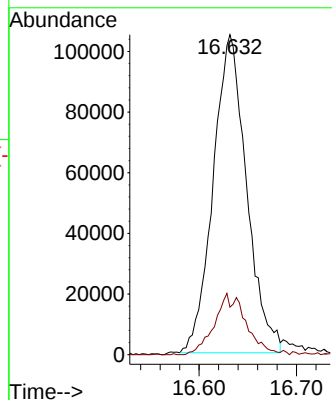
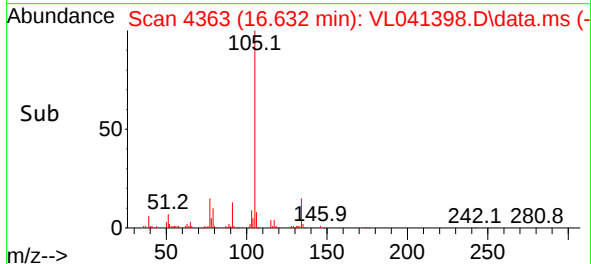
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 105 Resp: 24974
 Ion Ratio Lower Upper
 105 100
 134 18.6 14.5 21.7

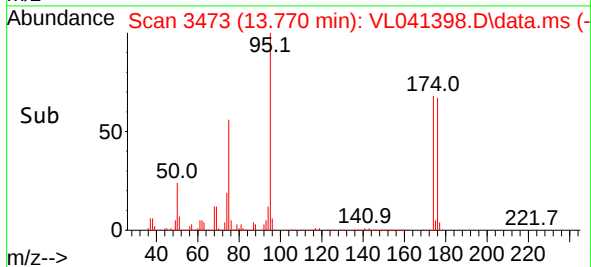
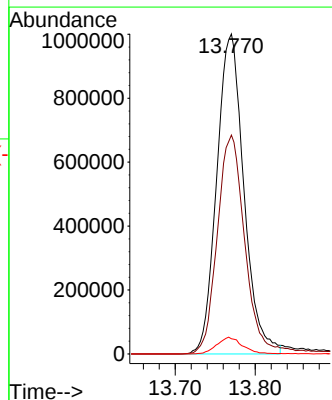
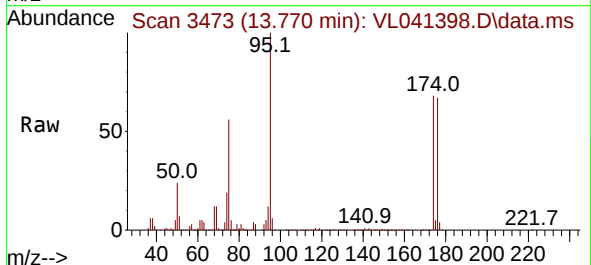
Manual Integrations
 APPROVED

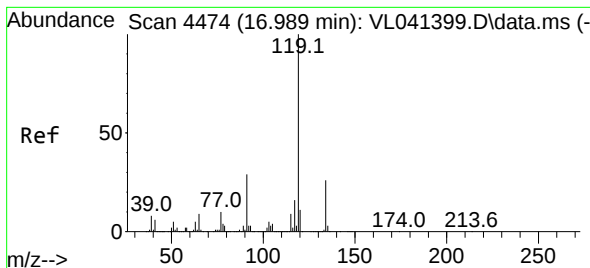
Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.071 ppbv
 RT: 13.770 min Scan# 3473
 Delta R.T. -0.000 min
 Lab File: VL041398.D
 Acq: 25 Jul 2024 13:19

Tgt Ion: 95 Resp: 2357044
 Ion Ratio Lower Upper
 95 100
 174 71.4 56.3 84.5
 175 5.0 4.0 6.0





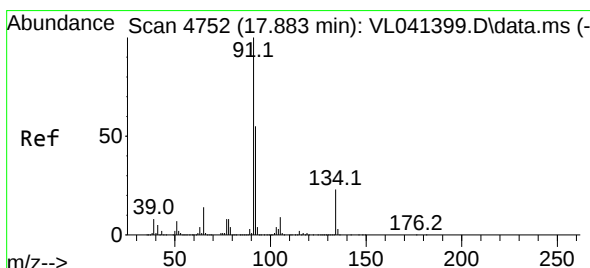
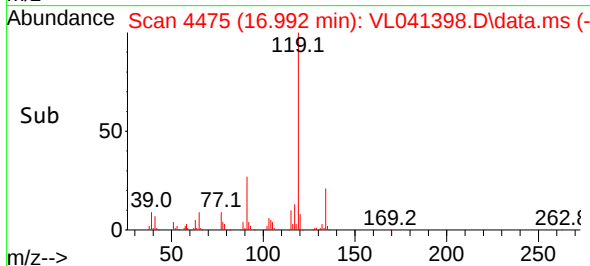
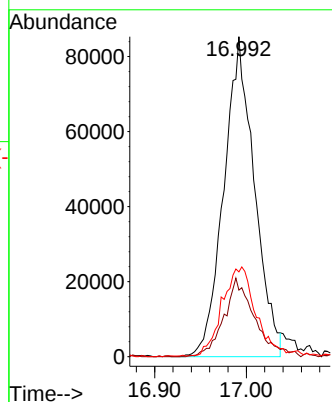
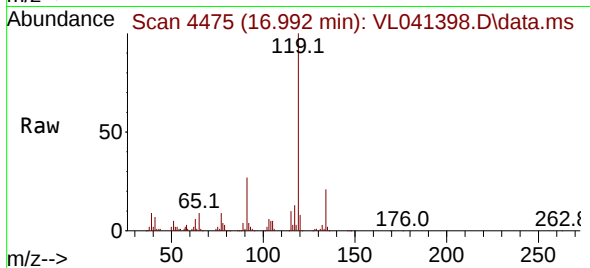
#69
p-Isopropyltoluene
Concen: 0.434 ppbv
RT: 16.992 min Scan# 4475
Delta R.T. 0.003 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:119 Resp: 197629
Ion Ratio Lower Upper
119 100
134 25.1 20.5 30.7
91 32.0 23.2 34.8

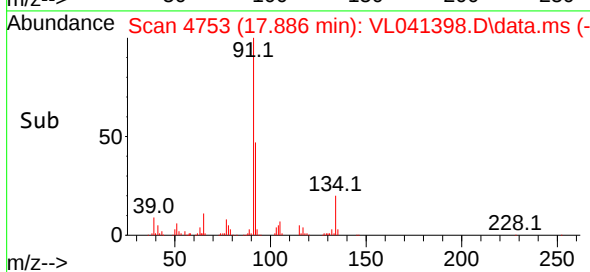
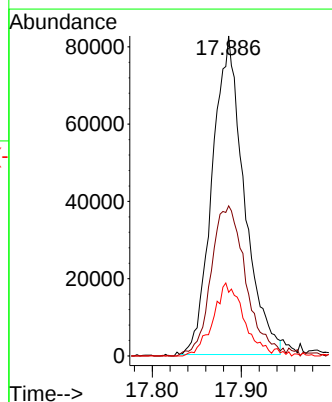
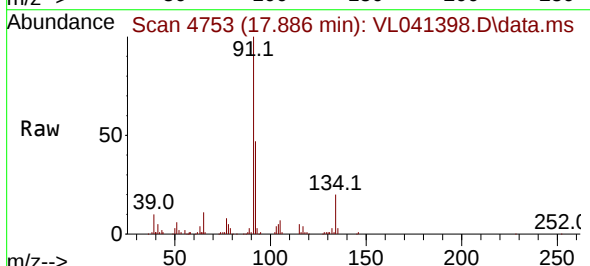
Manual Integrations
APPROVED

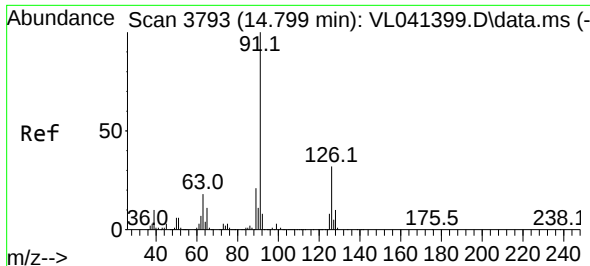
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#70
n-Butylbenzene
Concen: 0.443 ppbv
RT: 17.886 min Scan# 4753
Delta R.T. 0.003 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Tgt Ion: 91 Resp: 204999
Ion Ratio Lower Upper
91 100
92 52.5 43.2 64.8
134 22.9 18.5 27.7





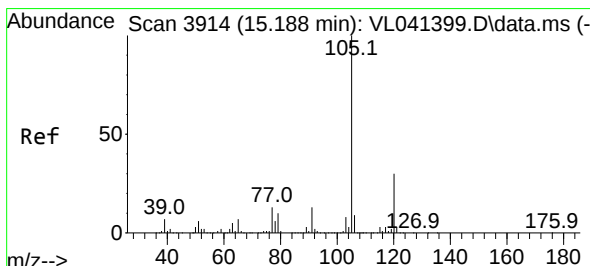
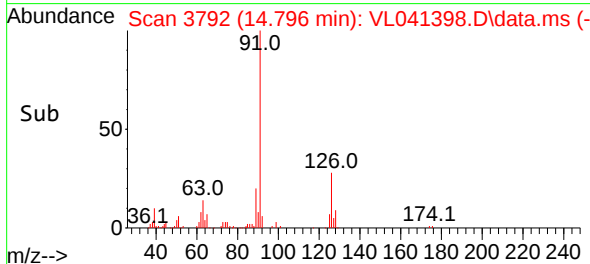
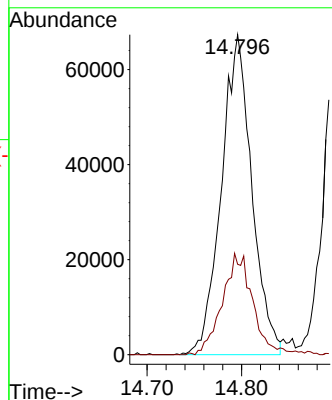
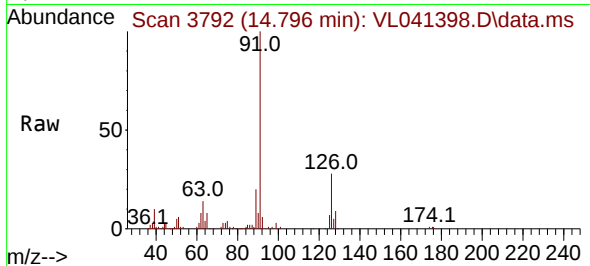
#71
2-Chlorotoluene
Concen: 0.465 ppbv
RT: 14.796 min Scan# 3792
Delta R.T. -0.003 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 15071
Ion Ratio Lower Upper
91 100
126 31.9 12.7 50.9

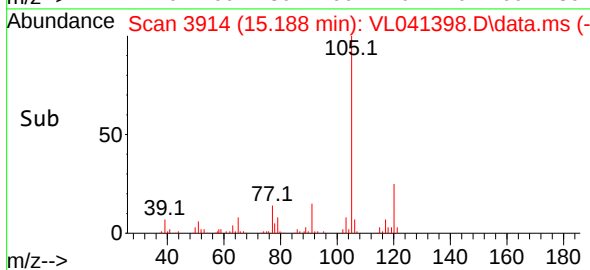
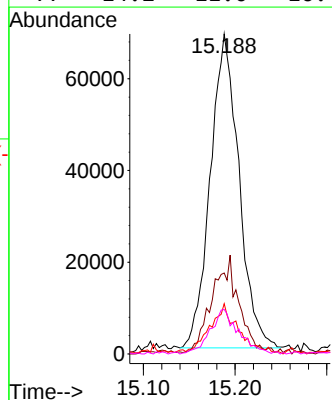
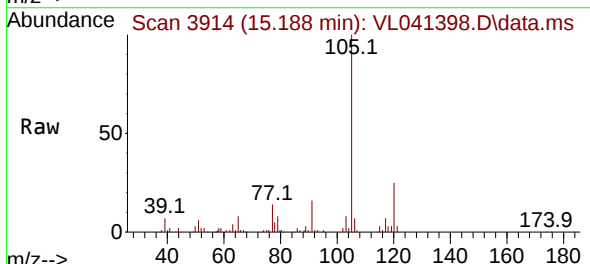
Manual Integrations
APPROVED

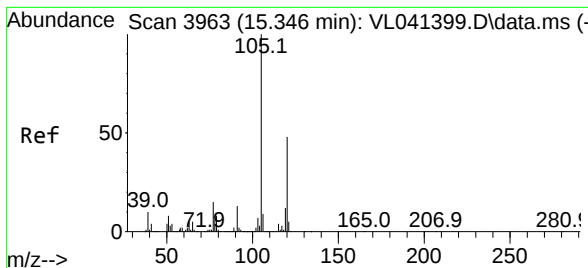
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#72
4-Ethyltoluene
Concen: 0.441 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. -0.000 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Tgt Ion:105 Resp: 148551
Ion Ratio Lower Upper
105 100
120 31.7 24.2 36.2
91 14.9 10.4 15.6
77 14.2 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 0.429 ppbv

RT: 15.346 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 126480

Ion Ratio Lower Upper

105 100

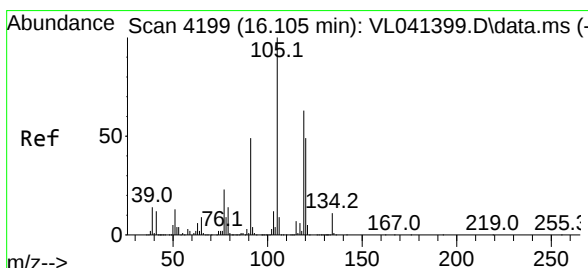
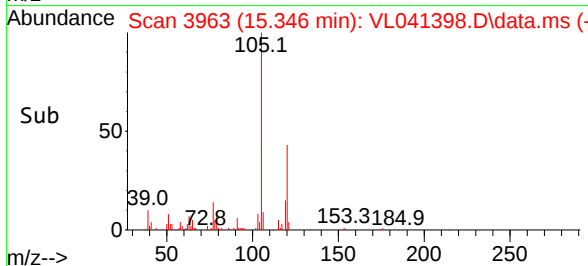
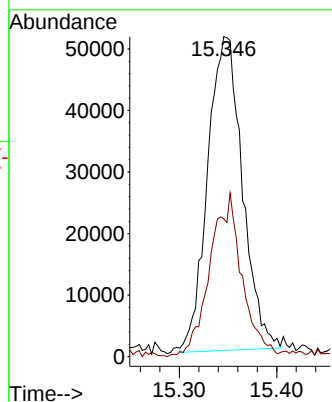
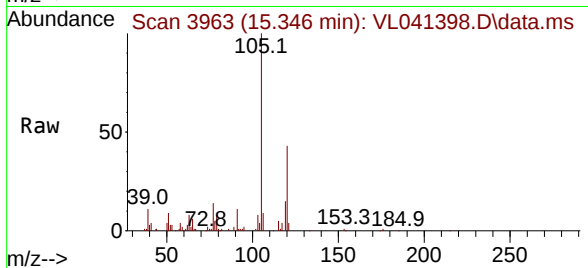
120 43.0 38.6 57.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024

Supervised By :Mahesh Dadoda 07/29/2024



#74

1,2,4-Trimethylbenzene

Concen: 0.463 ppbv m

RT: 16.098 min Scan# 4197

Delta R.T. -0.007 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

Tgt Ion:105 Resp: 157396

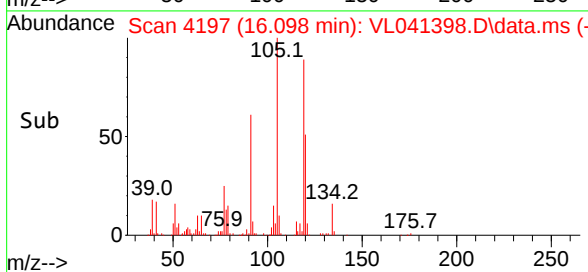
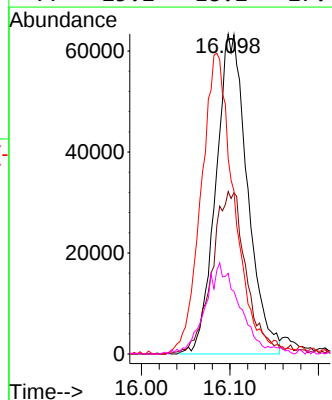
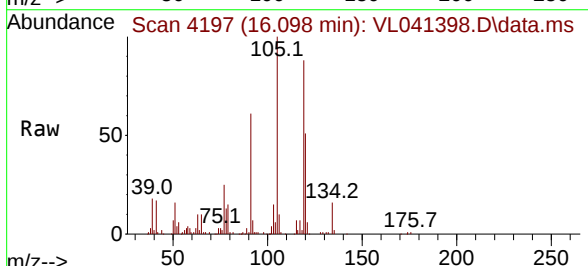
Ion Ratio Lower Upper

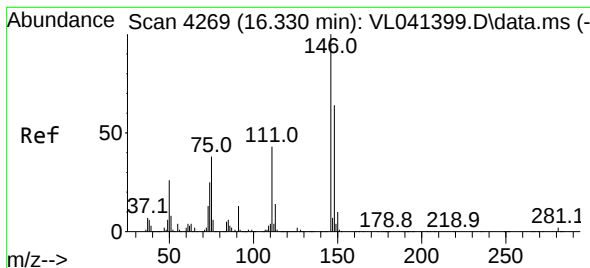
105 100

120 50.7 39.5 59.3

91 61.1 39.8 59.8#

77 25.2 18.2 27.4





#75

1,3-Dichlorobenzene

Concen: 0.476 ppbv

RT: 16.326 min Scan# 4312

Delta R.T. -0.003 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:146 Resp: 100938

Ion Ratio Lower Upper

146 100

111 49.3 22.6 67.8

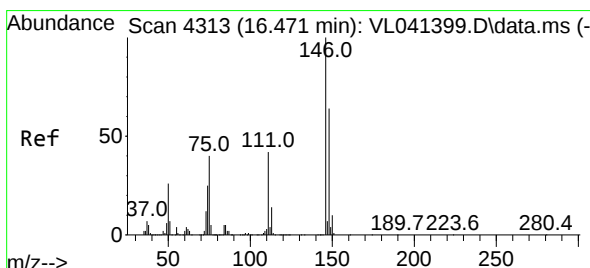
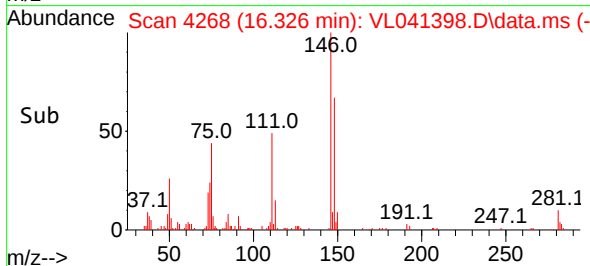
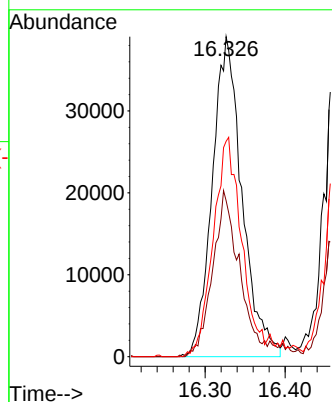
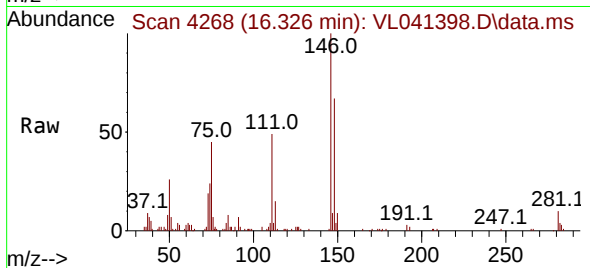
148 68.9 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024

Supervised By :Mahesh Dadoda 07/29/2024



#76

1,4-Dichlorobenzene

Concen: 0.492 ppbv m

RT: 16.468 min Scan# 4312

Delta R.T. -0.003 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

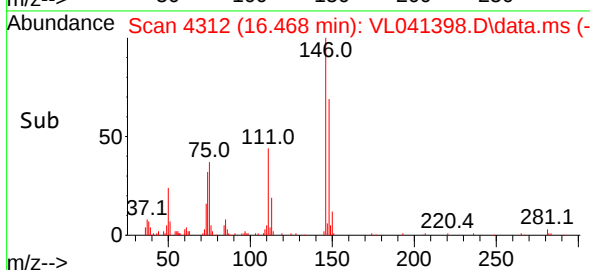
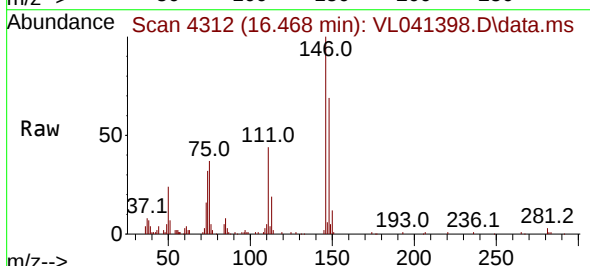
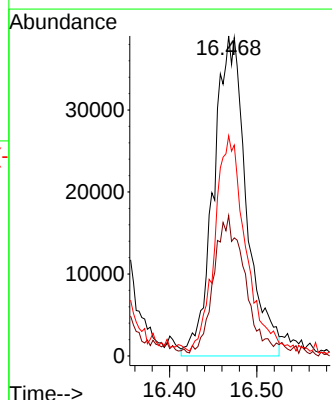
Tgt Ion:146 Resp: 102368

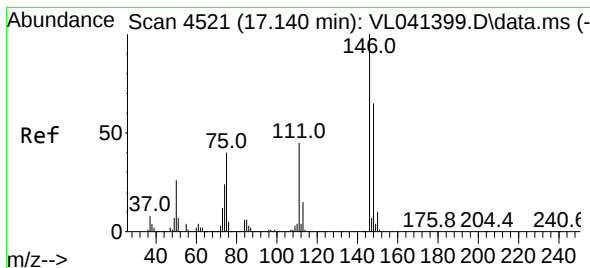
Ion Ratio Lower Upper

146 100

111 44.9 22.4 67.0

148 69.1 33.1 99.5





#77

1,2-Dichlorobenzene

Concen: 0.503 ppbv m

RT: 17.143 min Scan# 4521

Delta R.T. 0.003 min

Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

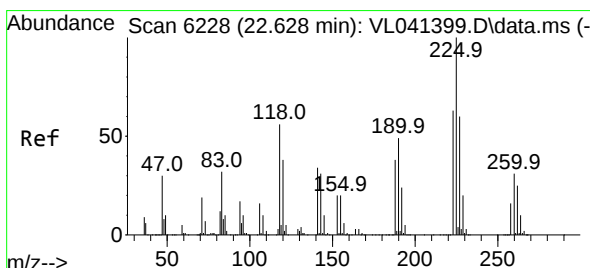
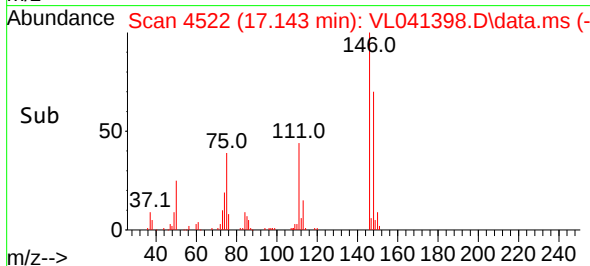
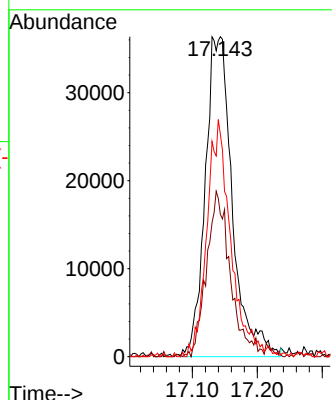
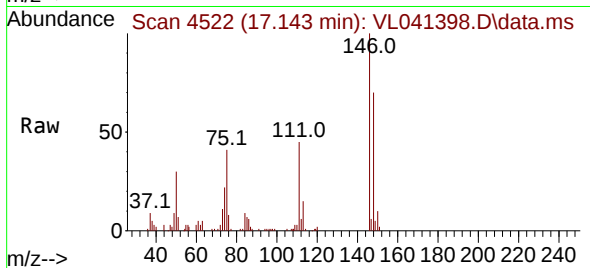
Tgt Ion:146 Resp: 105380

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.4	70.0
148	0.0	32.2	96.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#78

Hexachloro-1,3-Butadiene

Concen: 0.520 ppbv m

RT: 22.631 min Scan# 6229

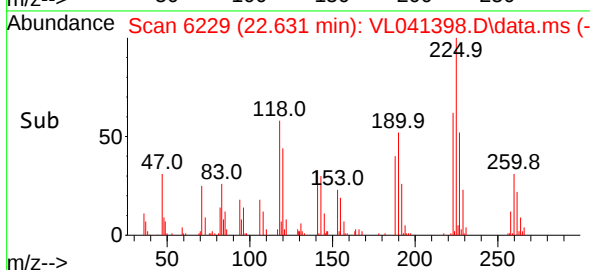
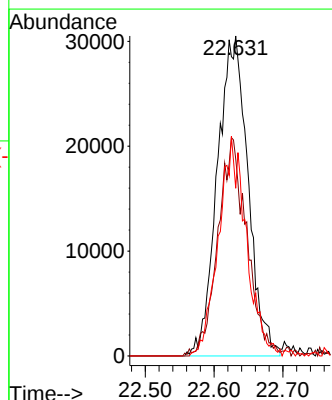
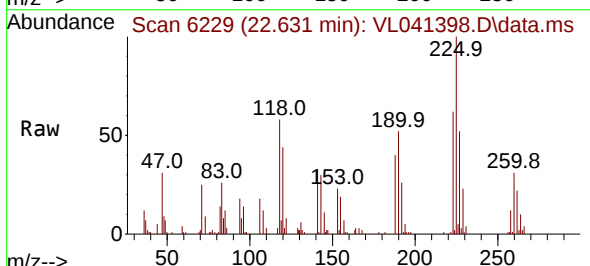
Delta R.T. 0.003 min

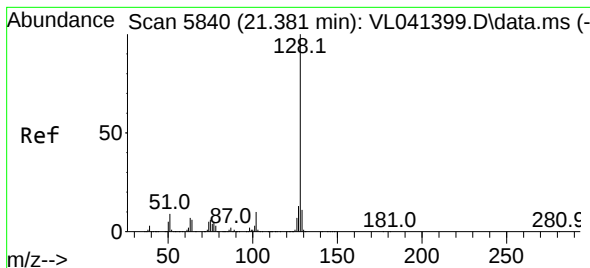
Lab File: VL041398.D

Acq: 25 Jul 2024 13:19

Tgt Ion:225 Resp: 94555

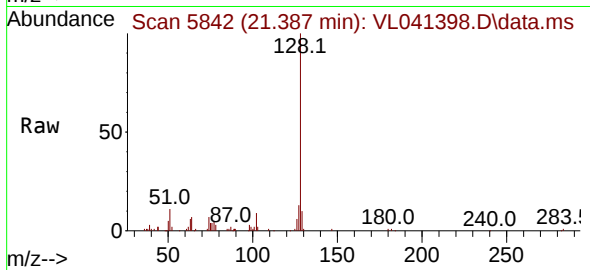
Ion	Ratio	Lower	Upper
225	100		
223	65.1	50.6	76.0
227	62.6	50.8	76.2





#79
Naphthalene
Concen: 0.412 ppbv m
RT: 21.387 min Scan# 5840
Delta R.T. 0.006 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

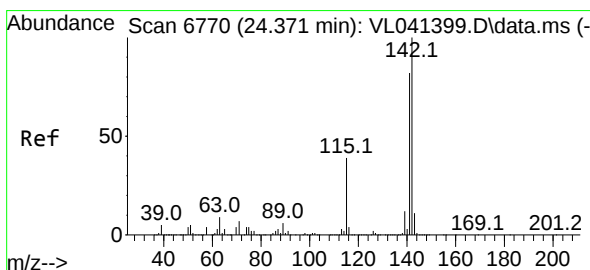
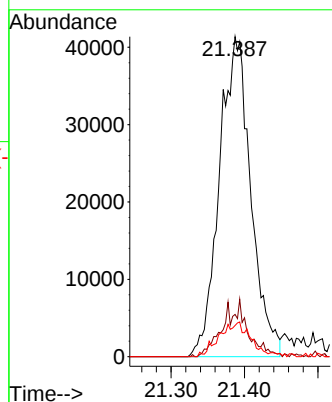
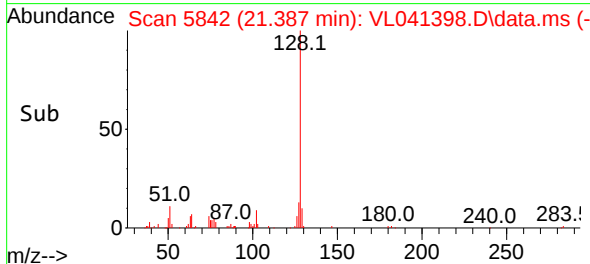
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:128 Resp: 123028
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 9.8 9.0 13.4

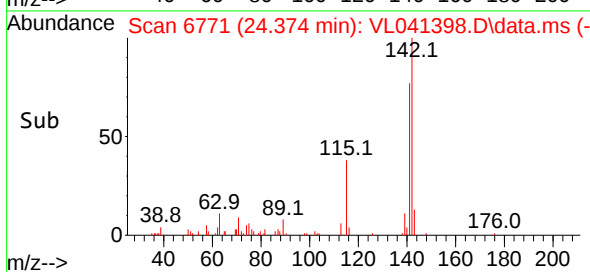
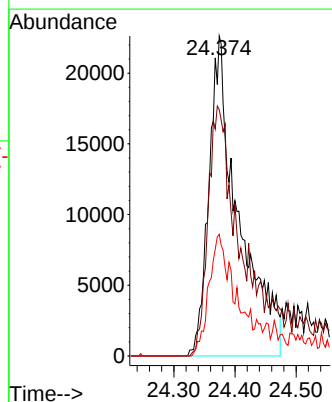
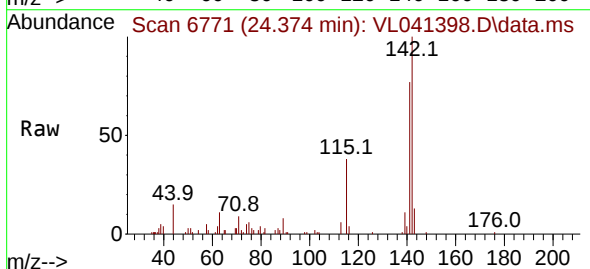
Manual Integrations
APPROVED

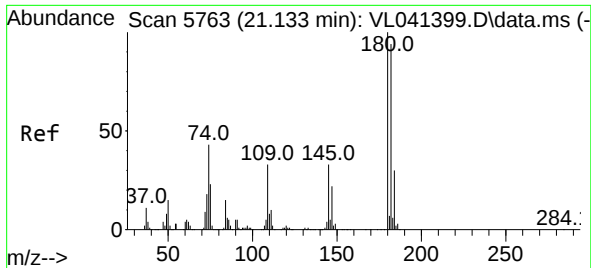
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#80
Naphthalene,2-methyl-
Concen: 0.313 ppbv
RT: 24.374 min Scan# 6771
Delta R.T. 0.003 min
Lab File: VL041398.D
Acq: 25 Jul 2024 13:19

Tgt Ion:142 Resp: 75989
Ion Ratio Lower Upper
142 100
141 90.5 67.0 100.4
115 36.0 32.2 48.2





#81

1,2,4-Trichlorobenzene

Concen: 0.428 ppbv m

RT: 21.143 min Scan# 51

Delta R.T. 0.010 min

Lab File: VL041398.D

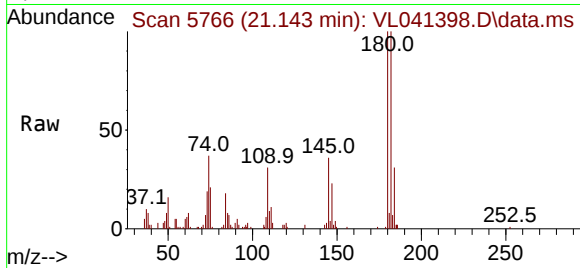
Acq: 25 Jul 2024 13:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5



Tgt Ion:180 Resp: 7664

Ion Ratio Lower Upper

180 100

182 0.0 76.7 115.1

184 32.6 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024

Supervised By :Mahesh Dadoda 07/29/2024

