

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041401.D
 Acq On : 25 Jul 2024 15:19
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

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

Quant Time: Jul 26 02:43:04 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 : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1198624	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3342988	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.459	117	3161618	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.774 95 2414921 10.191 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	241964	1.183	ppbv	95
3) Chlorodifluoromethane	2.652	51	151299	0.732	ppbv	98
4) Chloromethane	2.793	50	82099	1.039	ppbv	96
5) Vinyl Chloride	2.899	62	79527	0.932	ppbv	98
6) Bromomethane	3.099	94	41204	1.526	ppbv	92
7) Chloroethane	3.179	64	25119	0.891	ppbv	92
8) Dichlorotetrafluoroethane	2.835	85	197281	0.992	ppbv	99
9) Propene	2.674	41	70203	0.982	ppbv	97
10) Heptane	7.568	43	148675	0.885	ppbv	96
11) Trichlorofluoromethane	3.542	101	196294	0.986	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.050	101	138368	0.992	ppbv	99
13) Ethanol	3.240	45	7925m	0.500	ppbv	
14) Bromoethene	3.350	108	51557	0.921	ppbv #	85
15) Acetone	3.456	43	142863	0.902	ppbv	97
16) 1,3-Butadiene	2.967	39	78187	1.038	ppbv	96
17) tert-Butyl alcohol	3.867	59	131833	1.080	ppbv	100
18) 1,1-Dichloroethene	3.861	96	57445	0.937	ppbv	99
19) Isopropyl Alcohol	3.568	45	80830	0.930	ppbv #	98
20) Methylene Chloride	3.912	84	51566	0.898	ppbv	96
21) Allyl Chloride	3.980	41	93864	0.983	ppbv	95
22) trans-1,2-Dichloroethene	4.433	96	57666	0.947	ppbv	91
23) Vinyl Acetate	4.613	43	104758	0.671	ppbv #	94
24) 1,1-Dichloroethane	4.546	63	125314	0.926	ppbv	100
25) Ethyl Acetate	5.195	43	285442	0.979	ppbv	98
26) Hexane	5.198	57	113990	0.883	ppbv	88
27) Carbon Disulfide	4.112	76	122266	0.779	ppbv	97
28) Methyl tert-Butyl Ether	4.575	73	76370	0.798	ppbv	99
29) Chloroform	5.259	83	193219	0.970	ppbv	91
30) Cyclohexane	6.594	84	95243m	0.926	ppbv	
31) cis-1,2-Dichloroethene	5.066	61	112360	0.908	ppbv	96
32) 1,1,1-Trichloroethane	5.986	97	181889	0.870	ppbv	99
34) 2-Butanone	4.777	43	163975	0.930	ppbv	97
35) Carbon Tetrachloride	6.481	117	186609	0.845	ppbv	99
36) Benzene	6.356	78	259942	0.940	ppbv	95
37) 1,2-Dichloroethane	5.793	62	138981	0.875	ppbv	100
38) Trichloroethene	7.279	130	116586m	0.967	ppbv	
39) 1,2-Dichloropropane	7.063	63	98425m	0.921	ppbv	
40) 1,4-Dioxane	7.298	88	36813m	1.074	ppbv	
41) Tetrahydrofuran	5.558	42	97249	0.890	ppbv	98
42) Bromodichloromethane	7.240	83	204988	0.923	ppbv	99
43) Methyl Methacrylate	7.472	69	84268	0.811	ppbv	88
44) 2,2,4-Trimethylpentane	7.317	57	432528	0.920	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	67675	1.029	ppbv	99

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

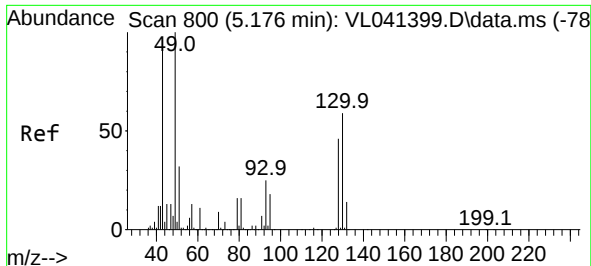
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

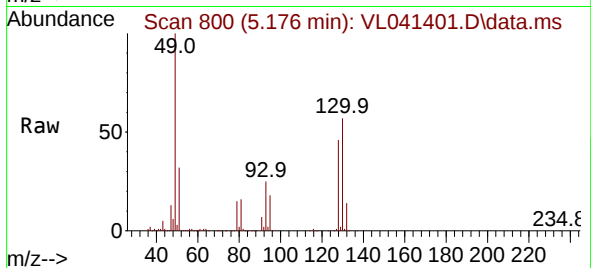
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	108779	1.230	ppbv	99
47) 1,1,2-Trichloroethane	8.889	97	104479	0.911	ppbv	97
48) Dibromochloromethane	9.703	129	168168	0.913	ppbv	97
49) Bromoform	12.404	173	133988	0.914	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	258275	0.912	ppbv	96
51) 2-Hexanone	9.558	43	190138	0.944	ppbv #	100
52) Tetrachloroethene	10.613	164	96753m	0.871	ppbv	
53) Toluene	9.211	91	284562	0.912	ppbv	98
54) 1,2-Dibromoethane	10.005	107	141838	0.999	ppbv	91
56) 1,1,1,2-Tetrachloroethane	11.504	131	126753	0.891	ppbv #	1
57) Chlorobenzene	11.520	112	240871	0.971	ppbv	95
58) Ethyl Benzene	12.086	91	388676	0.919	ppbv	98
59) m/p-Xylene	12.368	91	673526m	1.840	ppbv	
60) o-Xylene	13.053	91	320813	0.929	ppbv	99
61) Styrene	12.896	104	133924	0.798	ppbv	99
62) Isopropylbenzene	14.024	105	490658	0.920	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.047	83	202749	0.745	ppbv	98
64) n-propylbenzene	14.915	120	124102	0.891	ppbv	83
65) tert-Butylbenzene	16.085	119	446299	0.940	ppbv	99
66) Benzyl Chloride	16.326	91	24142m	0.774	ppbv	
67) sec-Butylbenzene	16.632	105	613358	0.913	ppbv	99
69) p-Isopropyltoluene	16.992	119	511080	0.921	ppbv	100
70) n-Butylbenzene	17.886	91	512783	0.904	ppbv	98
71) 2-Chlorotoluene	14.796	91	358079	0.904	ppbv	100
72) 4-Ethyltoluene	15.188	105	361470	0.878	ppbv	97
73) 1,3,5-Trimethylbenzene	15.349	105	312184	0.886	ppbv	98
74) 1,2,4-Trimethylbenzene	16.101	105	379183	0.955	ppbv #	91
75) 1,3-Dichlorobenzene	16.330	146	237337	1.008	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	224373	0.956	ppbv	98
77) 1,2-Dichlorobenzene	17.140	146	231111	0.963	ppbv	98
78) Hexachloro-1,3-Butadiene	22.632	225	215079	1.232	ppbv	99
79) Naphthalene	21.387	128	349592m	1.638	ppbv	
80) Naphthalene,2-methyl-	24.374	142	210840	375.304	ppbv	98
81) 1,2,4-Trichlorobenzene	21.143	180	191623	1.452	ppbv	98

(#) = 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: VL041401.D
Acq: 25 Jul 2024 15:19

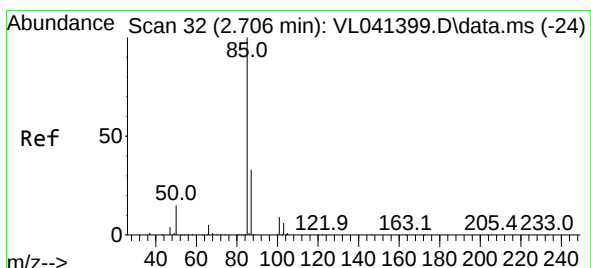
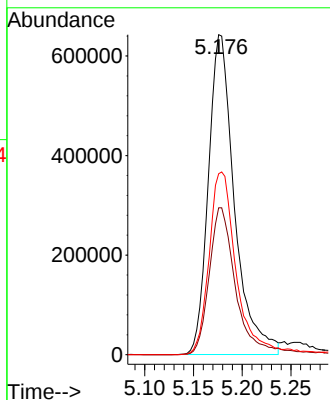
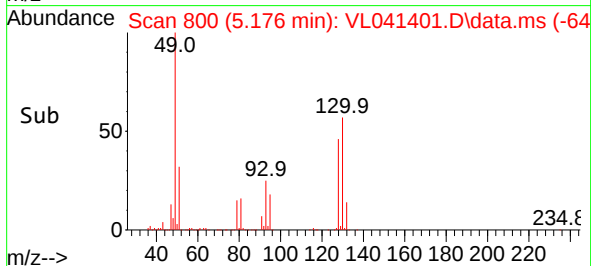
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 49 Resp: 1198624
Ion Ratio Lower Upper
49 100
128 48.3 23.8 71.4
130 61.4 30.8 92.4

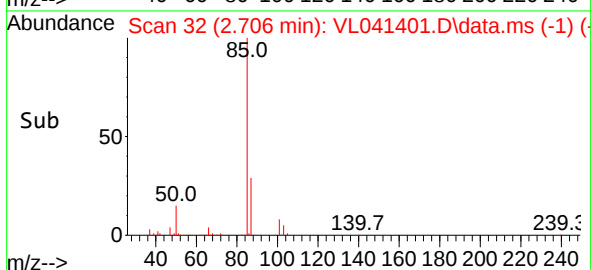
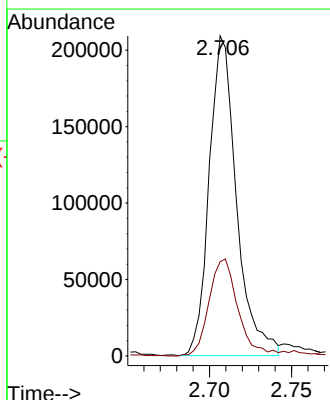
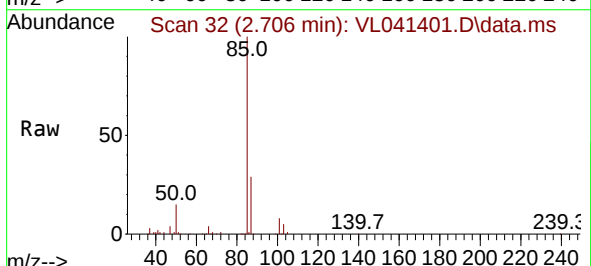
Manual Integrations
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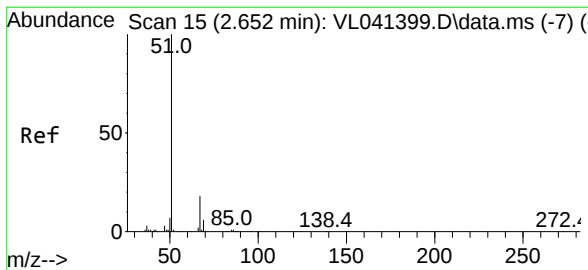
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#2
Dichlorodifluoromethane
Concen: 1.183 ppbv
RT: 2.706 min Scan# 32
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion: 85 Resp: 241964
Ion Ratio Lower Upper
85 100
87 29.5 26.0 39.0





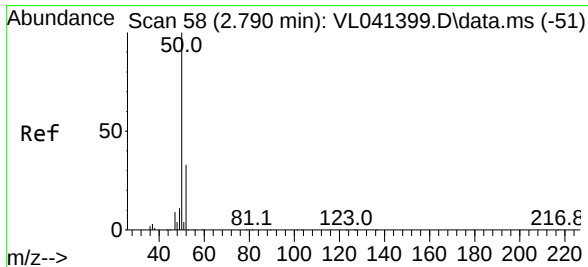
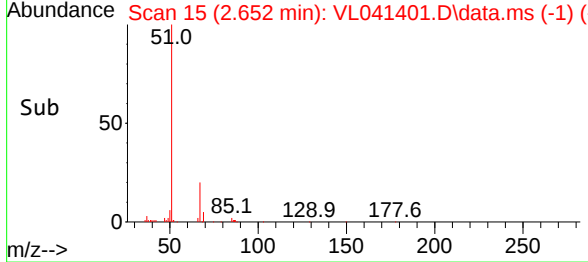
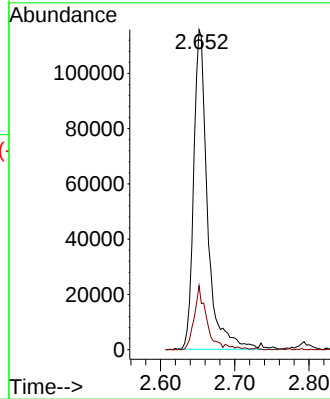
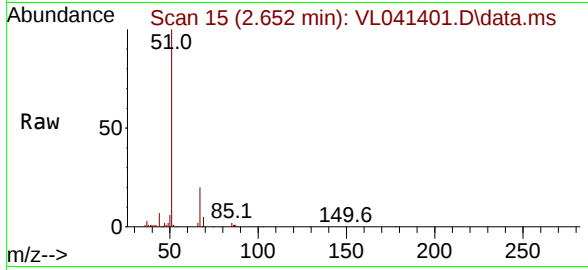
#3
Chlorodifluoromethane
Concen: 0.732 ppbv
RT: 2.652 min Scan# 15
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Instrument : MSVOA_L
ClientSampleId : VSTDIC001

Tgt Ion: 51 Resp: 151299
Ion Ratio Lower Upper
51 100
67 18.8 14.5 21.7

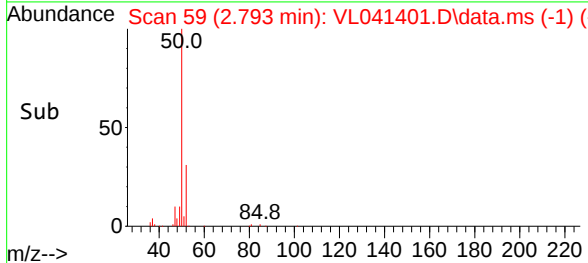
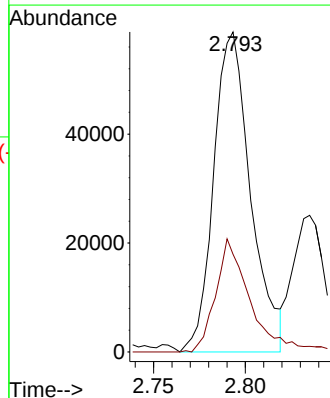
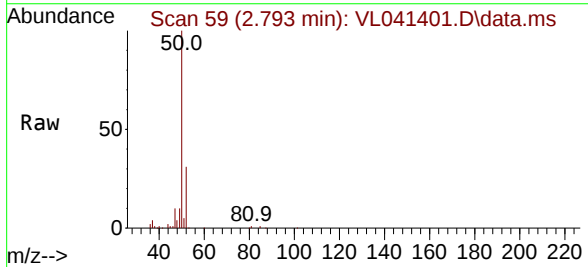
Manual Integrations
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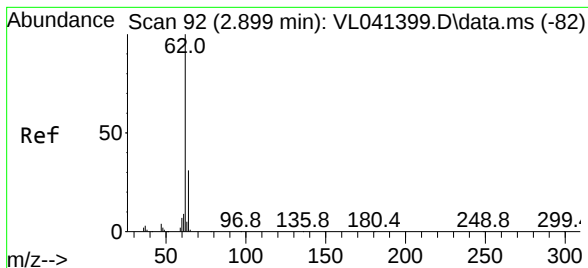
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#4
Chloromethane
Concen: 1.039 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

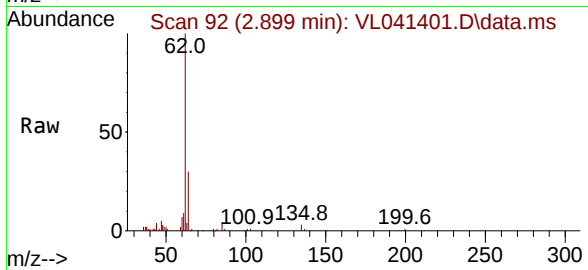
Tgt Ion: 50 Resp: 82099
Ion Ratio Lower Upper
50 100
52 30.6 26.1 39.1





#5
 Vinyl Chloride
 Concen: 0.932 ppbv
 RT: 2.899 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VL041401.D
 Acq: 25 Jul 2024 15:19

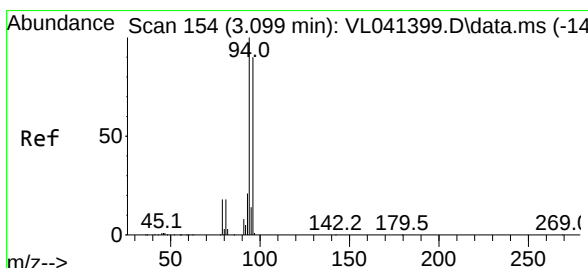
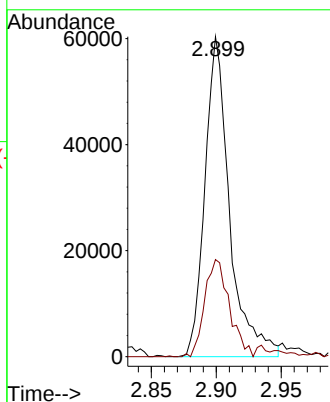
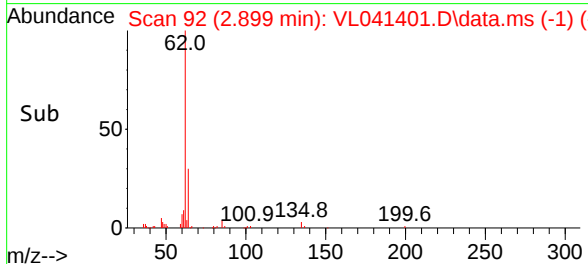
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



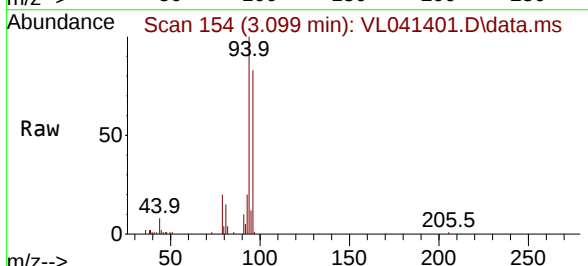
Tgt Ion: 62 Resp: 7952
 Ion Ratio Lower Upper
 62 100
 64 30.3 25.0 37.4

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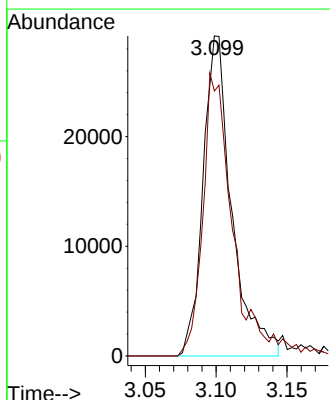
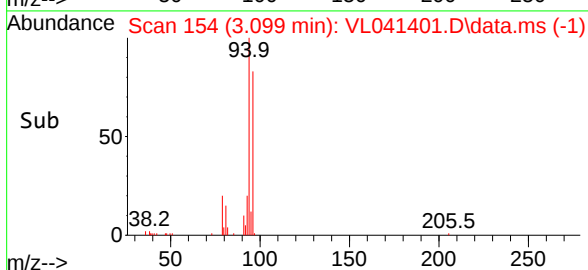
Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

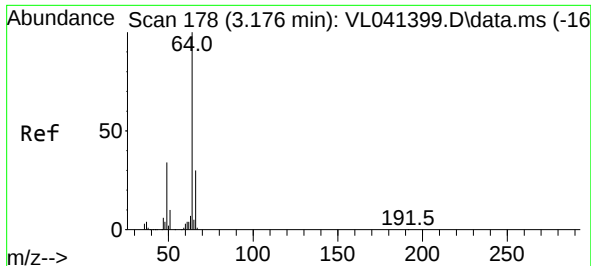


#6
 Bromomethane
 Concen: 1.526 ppbv
 RT: 3.099 min Scan# 154
 Delta R.T. 0.000 min
 Lab File: VL041401.D
 Acq: 25 Jul 2024 15:19



Tgt Ion: 94 Resp: 41204
 Ion Ratio Lower Upper
 94 100
 96 82.8 72.3 108.5





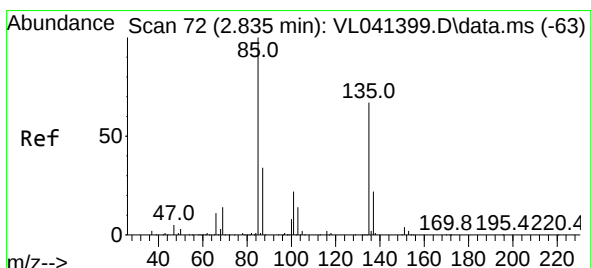
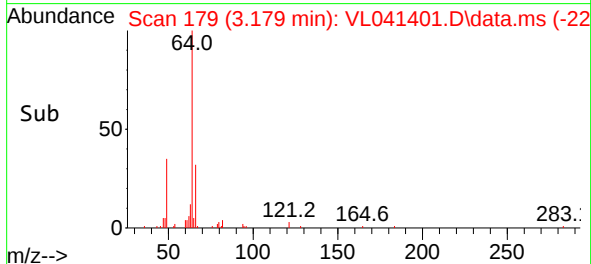
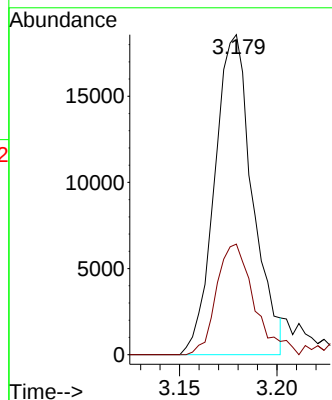
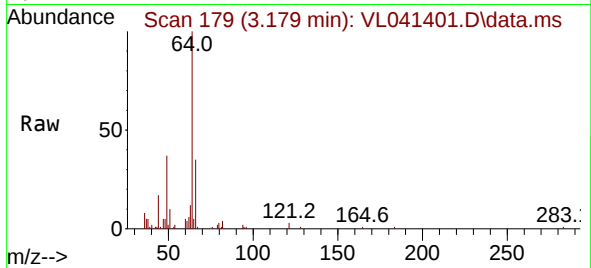
#7
Chloroethane
Concen: 0.891 ppbv
RT: 3.179 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 64 Resp: 25119
Ion Ratio Lower Upper
64 100
66 34.6 24.2 36.2

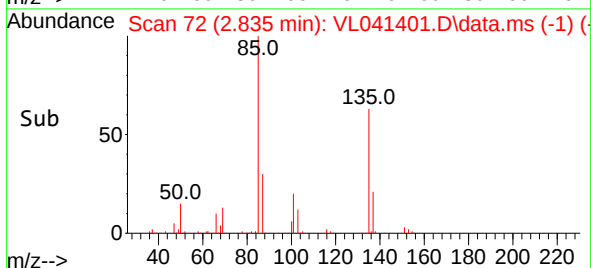
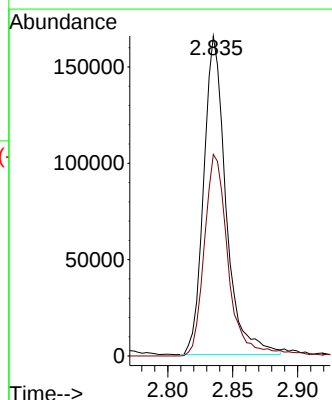
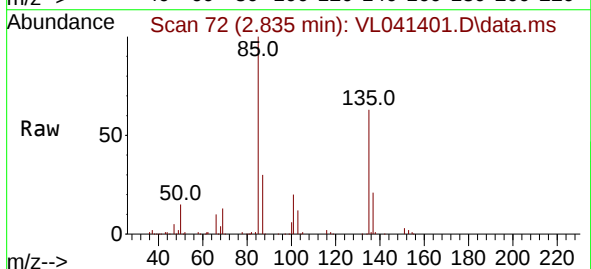
Manual Integrations
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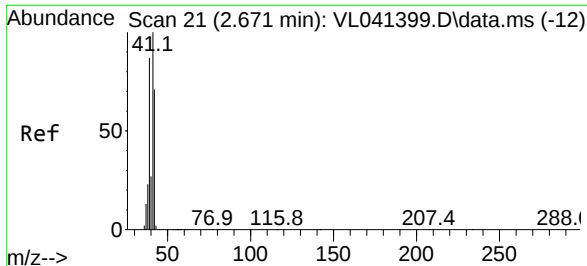
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#8
Dichlorotetrafluoroethane
Concen: 0.992 ppbv
RT: 2.835 min Scan# 72
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

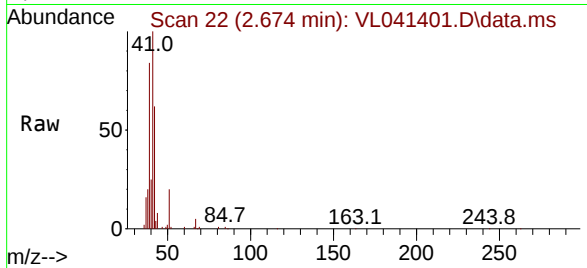
Tgt Ion: 85 Resp: 197281
Ion Ratio Lower Upper
85 100
135 68.7 55.4 83.0





#9
Propene
Concen: 0.982 ppbv
RT: 2.674 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

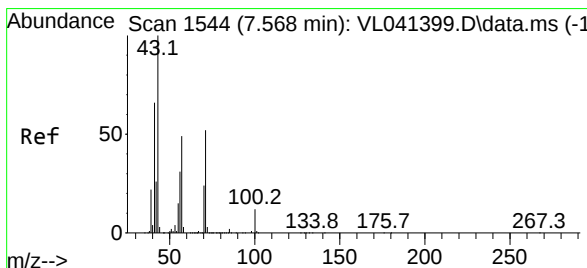
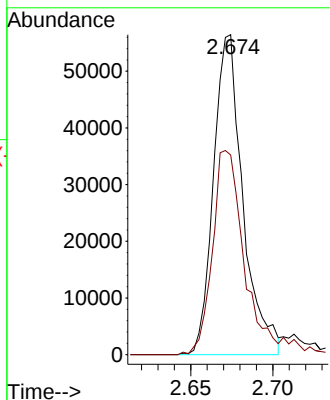
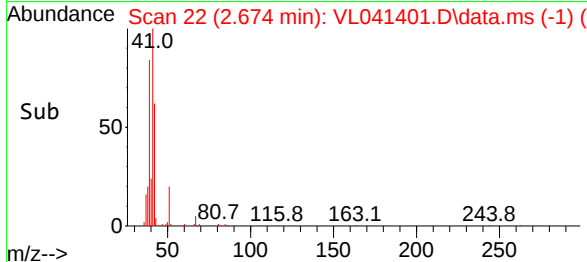
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



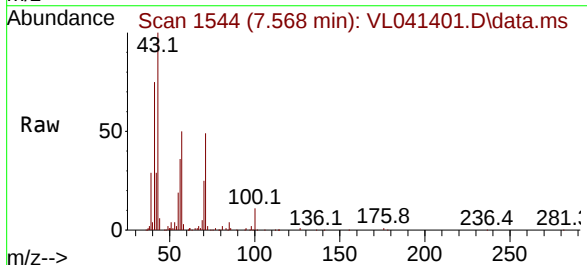
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Ion Ratio Lower Upper
41 100
42 72.1 55.9 83.9

Manual Integrations
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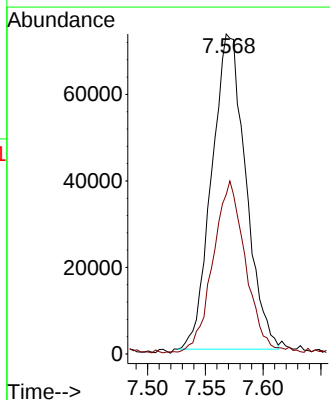
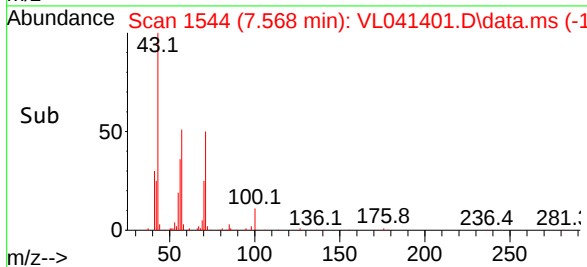
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Supervised By :Mahesh Dadoda 07/29/2024

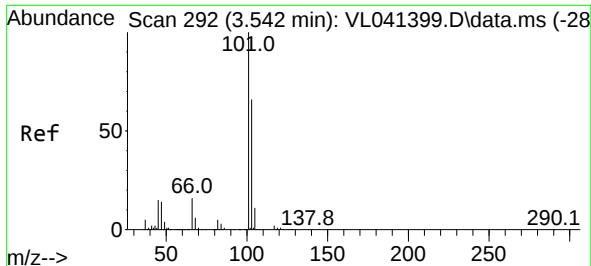


#10
Heptane
Concen: 0.885 ppbv
RT: 7.568 min Scan# 1544
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19



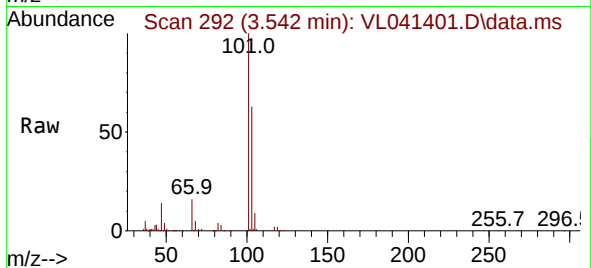
Tgt Ion: 43 Resp: 148675
Ion Ratio Lower Upper
43 100
57 53.2 40.5 60.7





#11
Trichlorofluoromethane
Concen: 0.986 ppbv
RT: 3.542 min Scan# 292
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

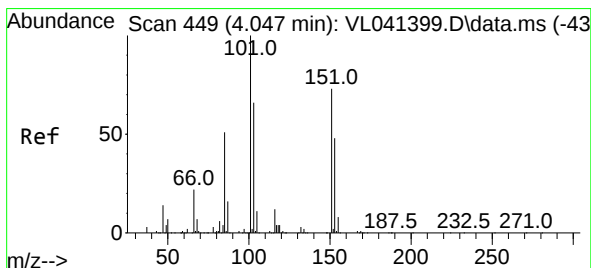
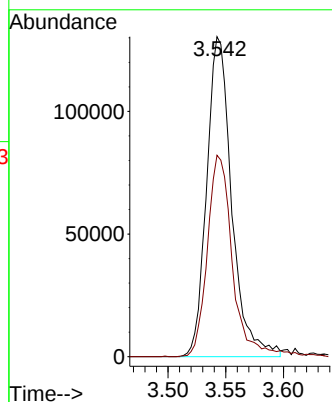
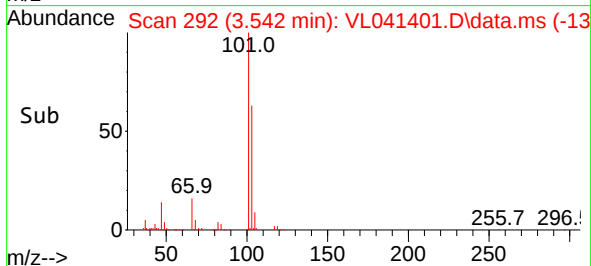
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion:101 Resp: 196294
Ion Ratio Lower Upper
101 100
103 62.8 52.6 79.0

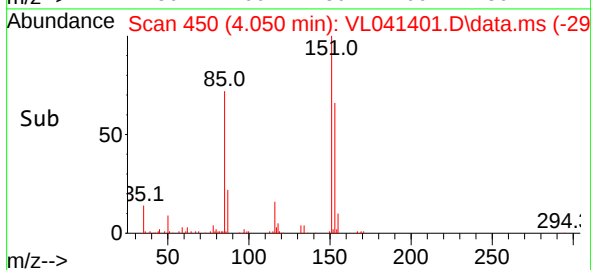
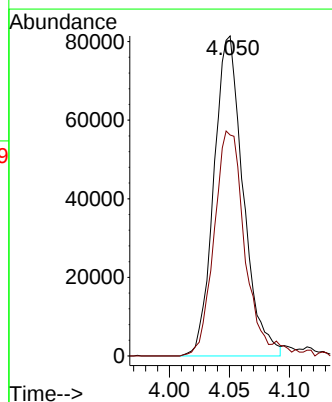
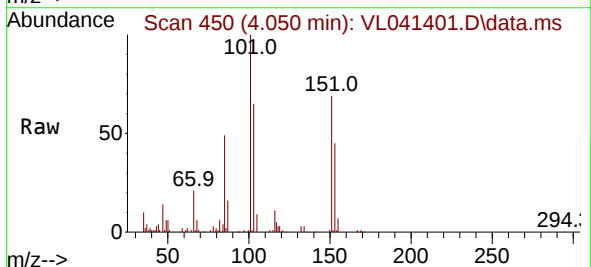
Manual Integrations
APPROVED

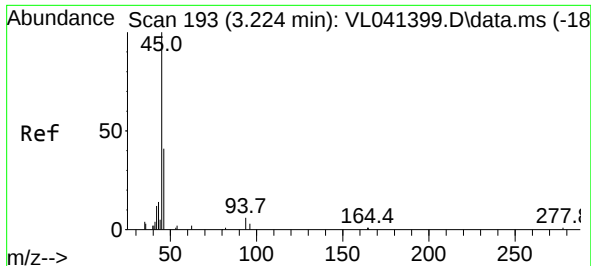
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.992 ppbv
RT: 4.050 min Scan# 450
Delta R.T. 0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion:101 Resp: 138368
Ion Ratio Lower Upper
101 100
151 75.5 59.4 89.2





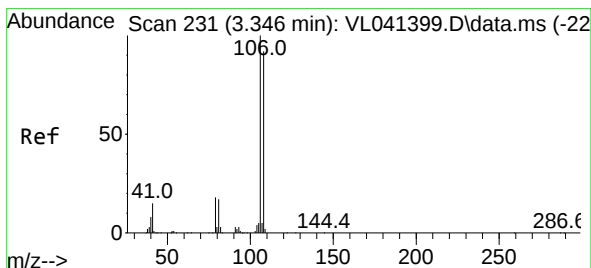
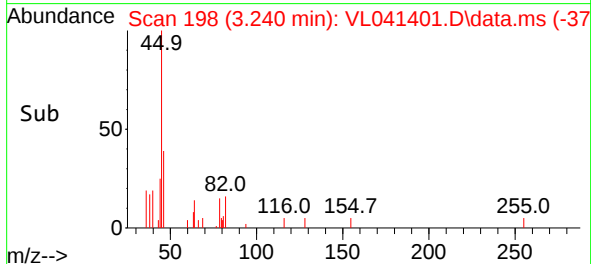
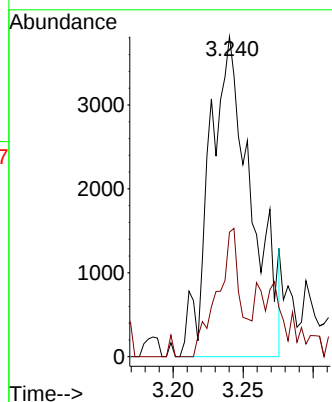
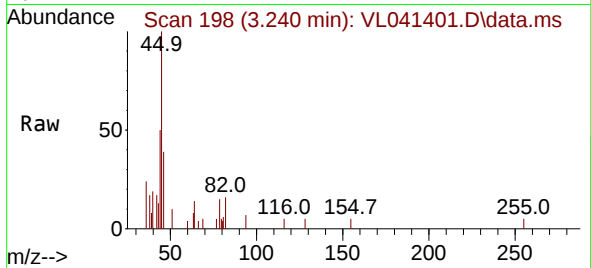
#13
Ethanol
Concen: 0.500 ppbv m
RT: 3.240 min Scan# 193
Delta R.T. 0.016 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 45 Resp: 7925
Ion Ratio Lower Upper
45 100
46 41.0 13.4 53.4

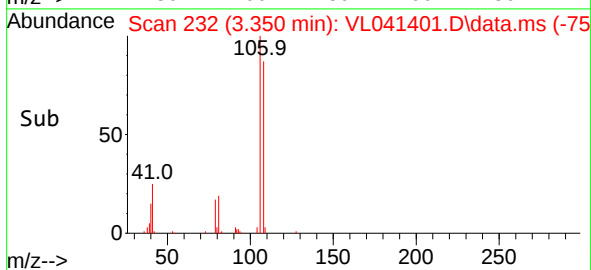
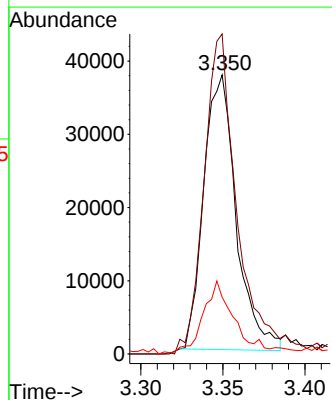
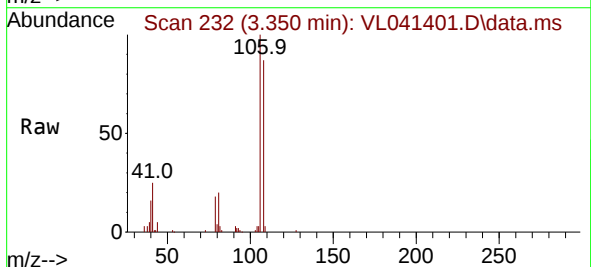
Manual Integrations
APPROVED

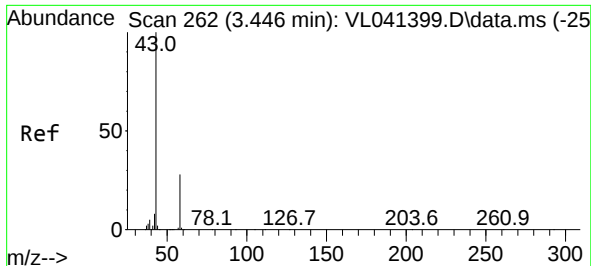
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#14
Bromoethene
Concen: 0.921 ppbv
RT: 3.350 min Scan# 232
Delta R.T. 0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

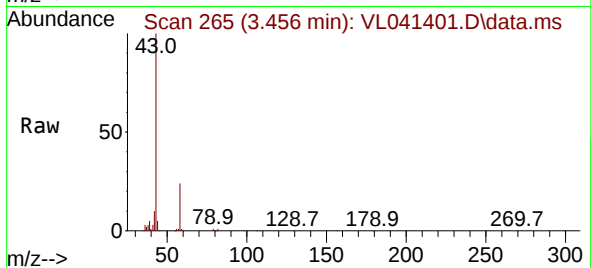
Tgt Ion:108 Resp: 51557
Ion Ratio Lower Upper
108 100
106 123.8 86.9 130.3
79 27.7 16.2 24.4#





#15
Acetone
Concen: 0.902 ppbv
RT: 3.456 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

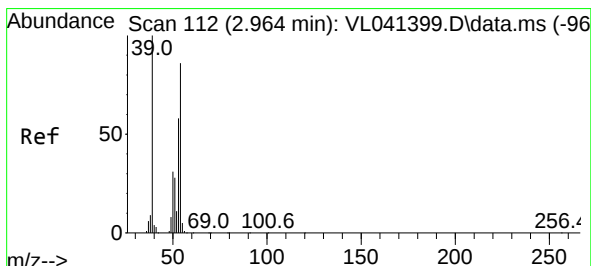
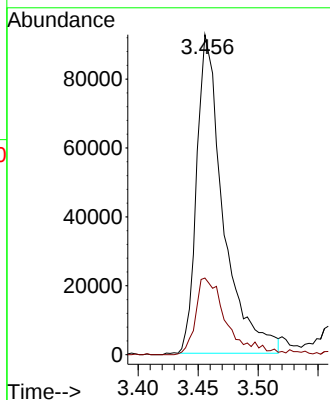
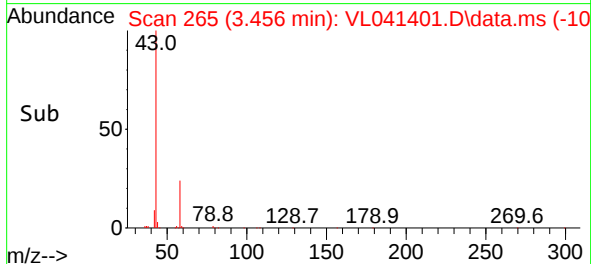
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



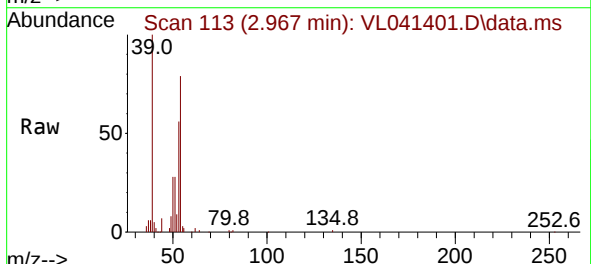
Tgt Ion: 43 Resp: 14286
Ion Ratio Lower Upper
43 100
58 28.6 21.4 32.2

Manual Integrations
APPROVED

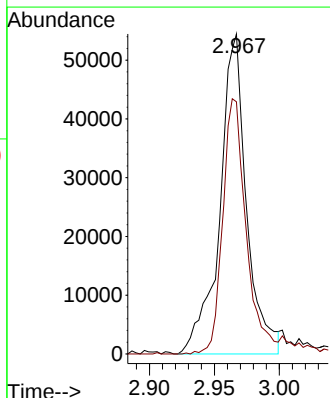
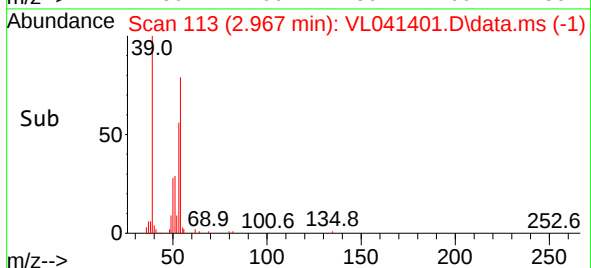
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024

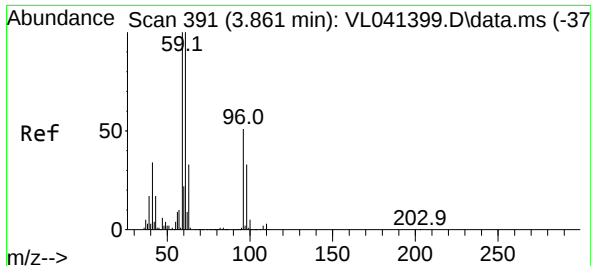


#16
1,3-Butadiene
Concen: 1.038 ppbv
RT: 2.967 min Scan# 113
Delta R.T. 0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19



Tgt Ion: 39 Resp: 78187
Ion Ratio Lower Upper
39 100
54 74.9 62.5 93.7





#17

tert-Butyl alcohol

Concen: 1.080 ppbv

RT: 3.867 min Scan# 393

Delta R.T. 0.007 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 59 Resp: 13183

Ion Ratio Lower Upper

59 100

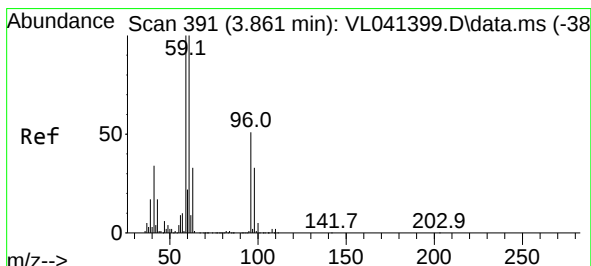
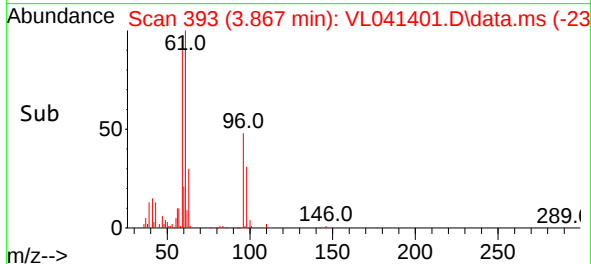
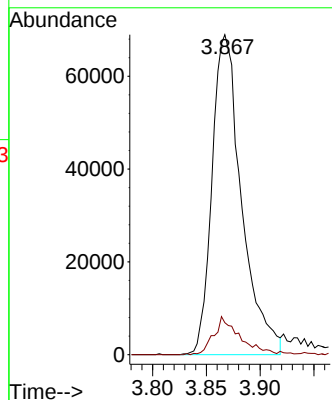
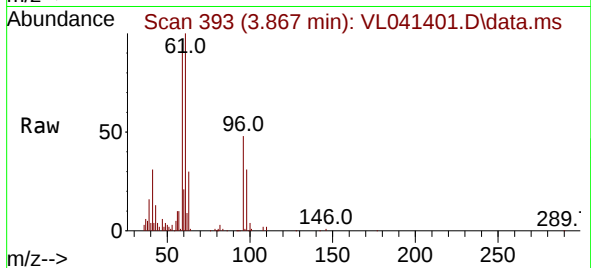
57 10.8 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024

Supervised By :Mahesh Dadoda 07/29/2024



#18

1,1-Dichloroethene

Concen: 0.937 ppbv

RT: 3.861 min Scan# 391

Delta R.T. 0.000 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

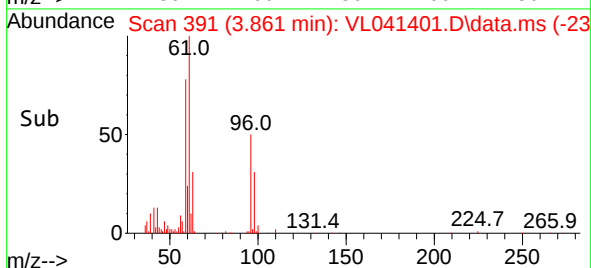
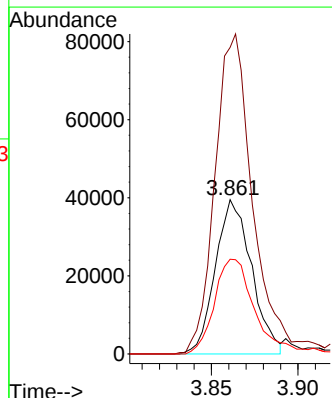
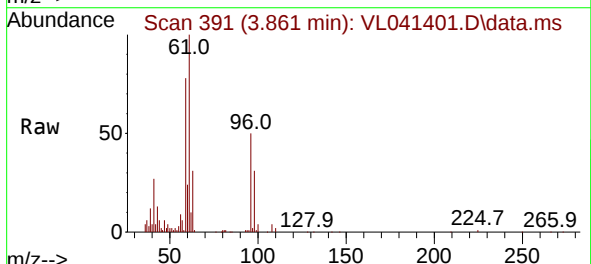
Tgt Ion: 96 Resp: 57445

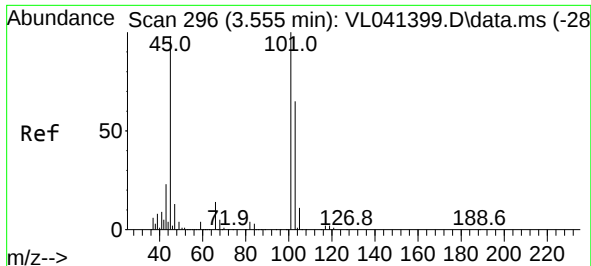
Ion Ratio Lower Upper

96 100

61 197.8 157.5 236.3

98 61.4 51.2 76.8





#19

Isopropyl Alcohol

Concen: 0.930 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.013 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

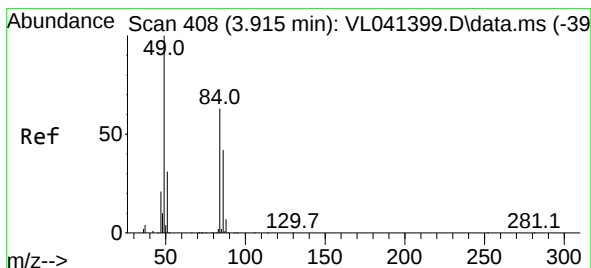
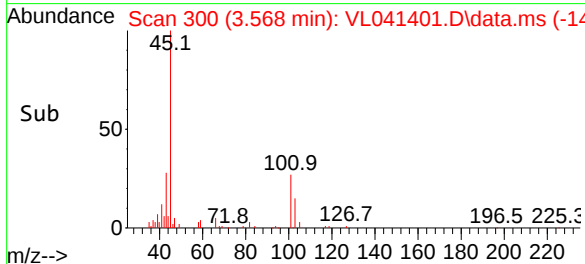
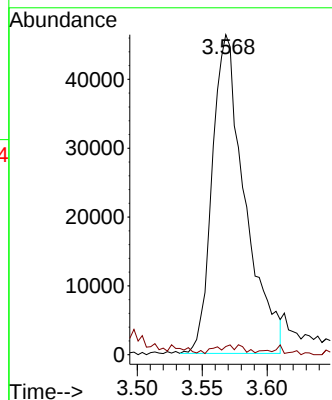
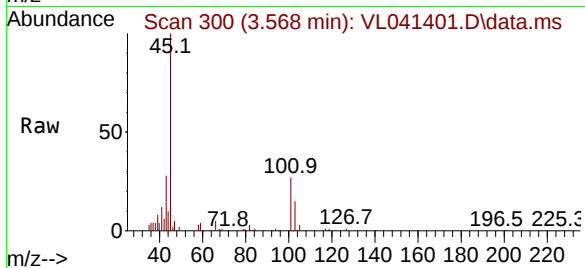
VSTDICC001

Tgt Ion: 45 Resp: 80830
 Ion Ratio Lower Upper
 45 100
 58 3.1 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: 0.898 ppbv

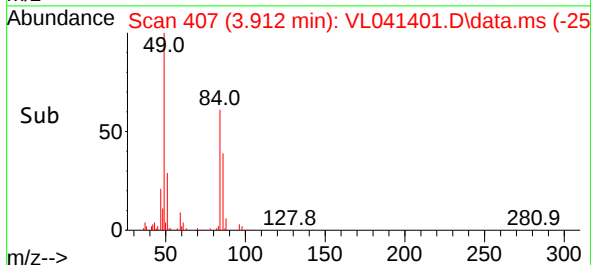
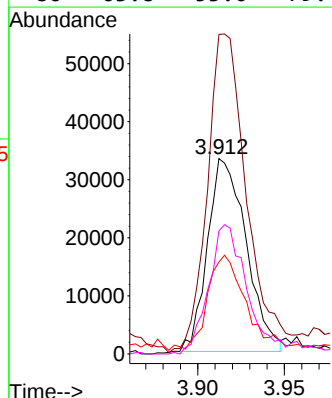
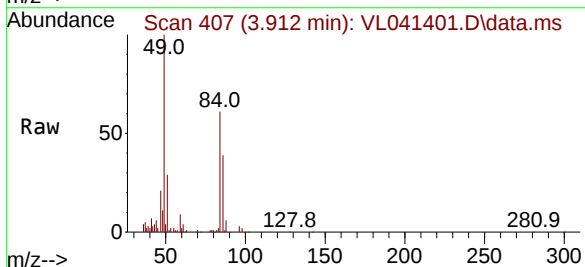
RT: 3.912 min Scan# 407

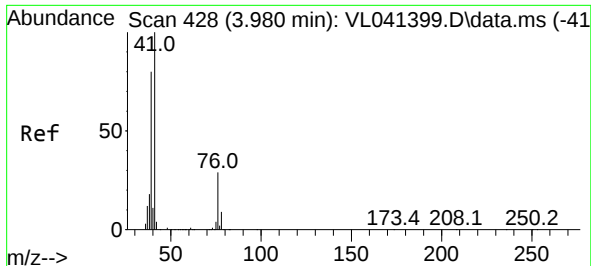
Delta R.T. -0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Tgt Ion: 84 Resp: 51566
 Ion Ratio Lower Upper
 84 100
 49 163.0 126.6 190.0
 51 43.8 38.6 58.0
 86 63.8 53.0 79.4





#21

Allyl Chloride

Concen: 0.983 ppbv

RT: 3.980 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

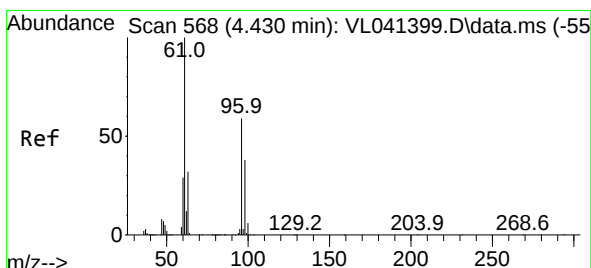
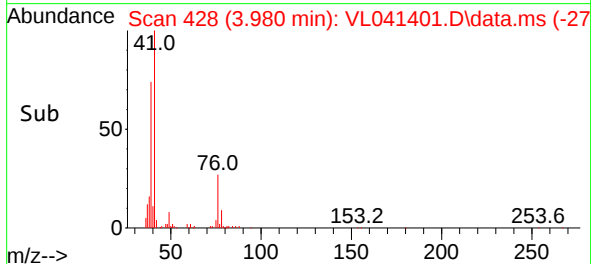
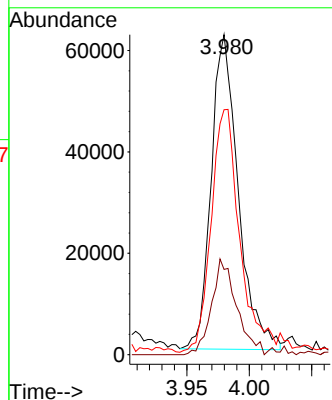
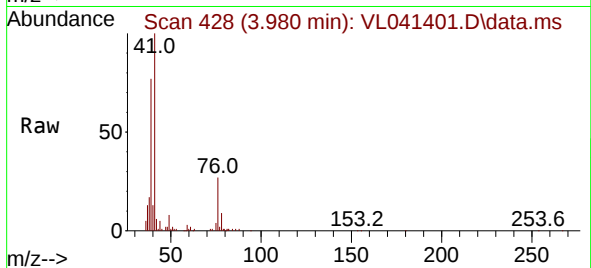
VSTDICC001

Tgt Ion: 41	Resp: 93864
Ion Ratio	Lower Upper
41	100
76	29.7 23.7 35.5
39	85.8 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: 0.947 ppbv

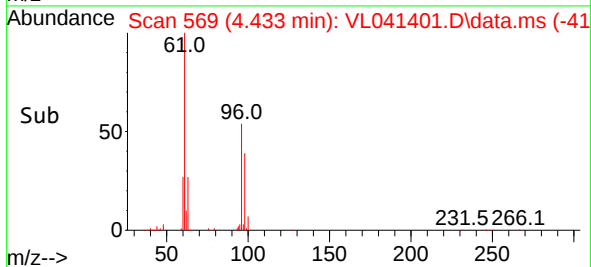
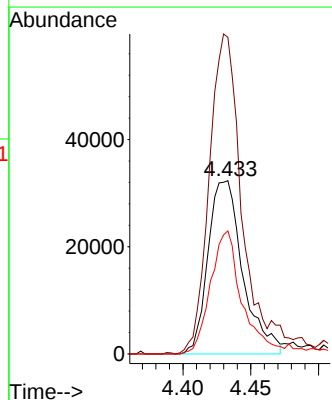
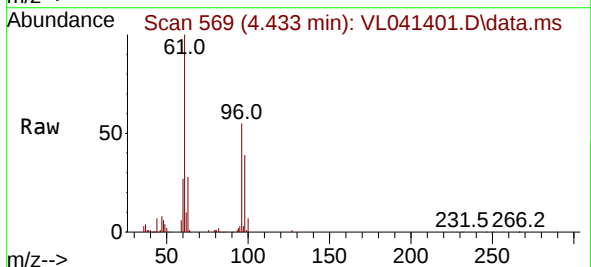
RT: 4.433 min Scan# 569

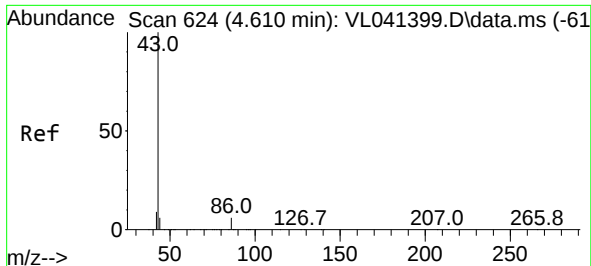
Delta R.T. 0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

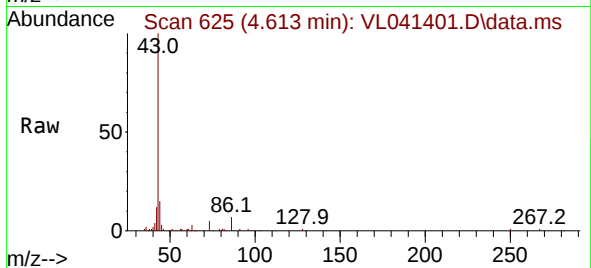
Tgt Ion: 96	Resp: 57666
Ion Ratio	Lower Upper
96	100
61	182.0 135.4 203.2
98	71.0 51.0 76.4





#23
Vinyl Acetate
Concen: 0.671 ppbv
RT: 4.613 min Scan# 604
Delta R.T. 0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

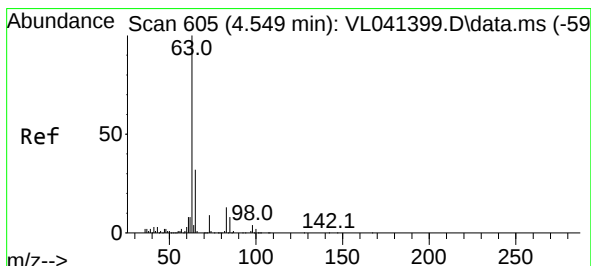
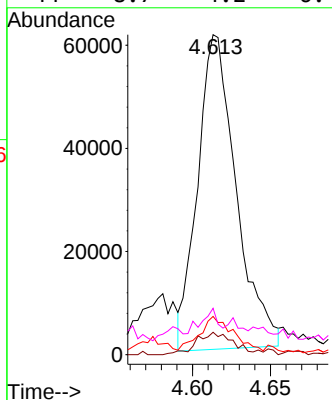
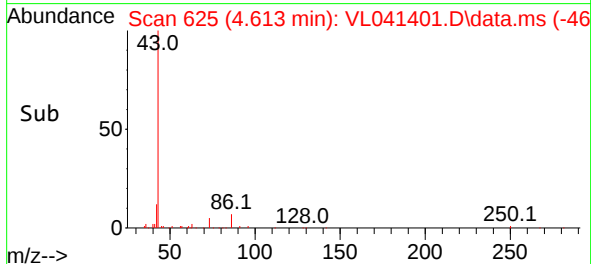
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 43 Resp: 104758
Ion Ratio Lower Upper
43 100
86 7.6 4.6 6.8
42 11.6 7.9 11.9
44 8.7 4.2 6.4#

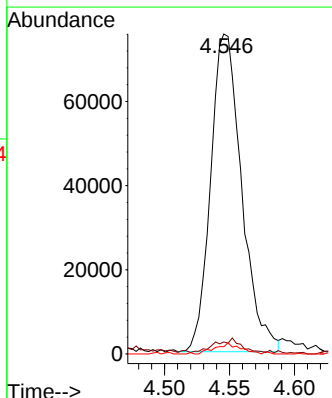
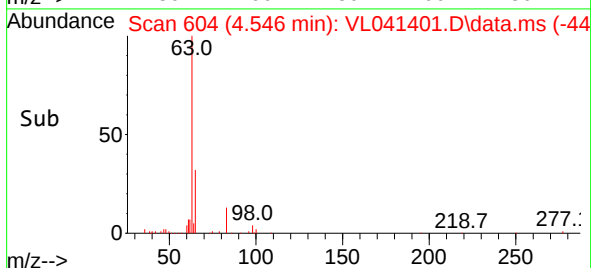
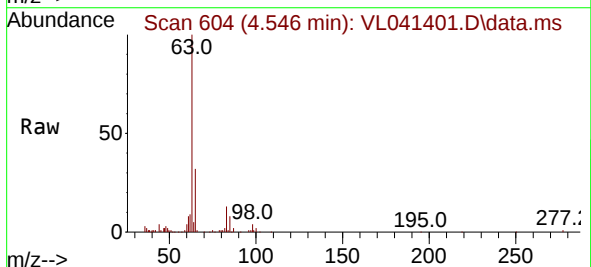
Manual Integrations
APPROVED

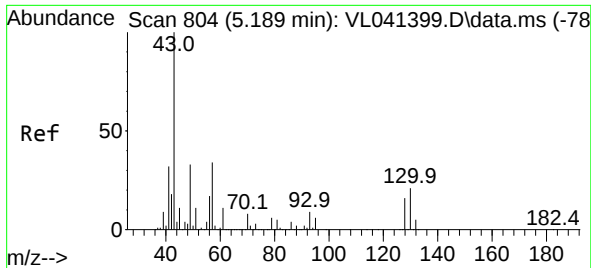
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#24
1,1-Dichloroethane
Concen: 0.926 ppbv
RT: 4.546 min Scan# 604
Delta R.T. -0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion: 63 Resp: 125314
Ion Ratio Lower Upper
63 100
98 3.9 2.0 6.0
100 2.3 1.2 3.6





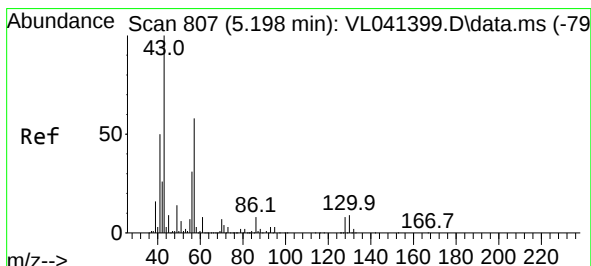
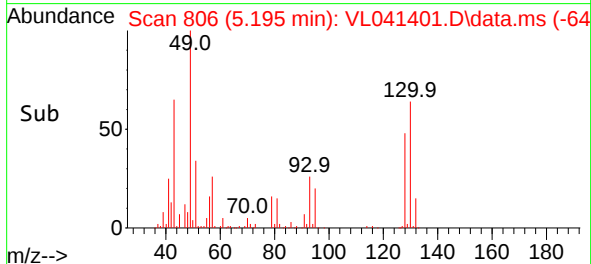
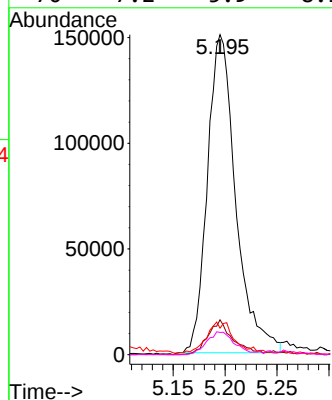
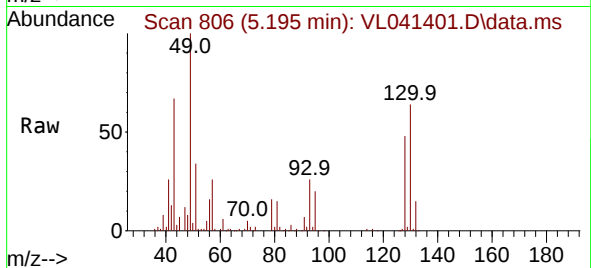
#25
Ethyl Acetate
Concen: 0.979 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.007 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 43	Resp: 28544
Ion Ratio	Lower Upper
43 100	
45 9.6	8.5 12.7
61 11.3	8.0 12.0
70 7.2	5.9 8.9

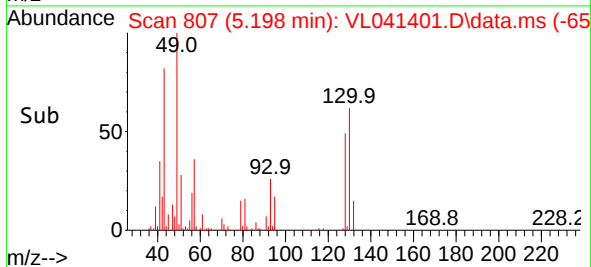
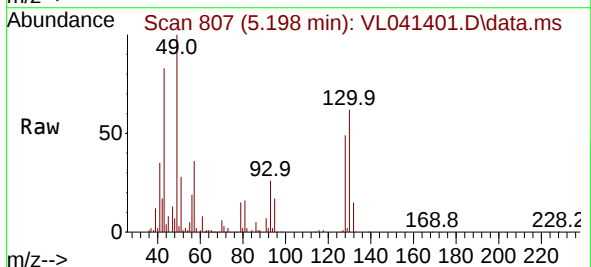
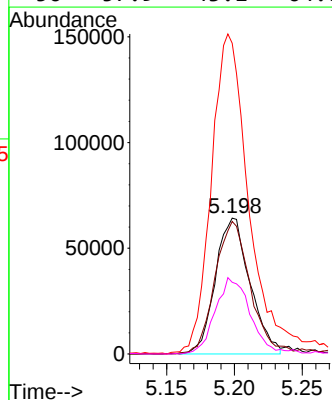
Manual Integrations
APPROVED

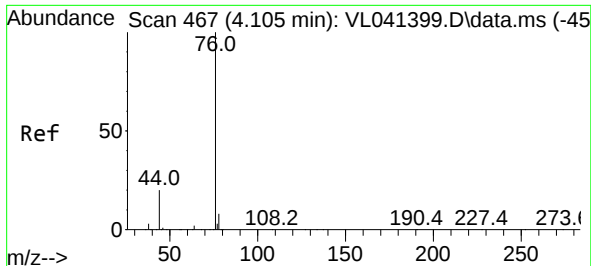
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#26
Hexane
Concen: 0.883 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion: 57	Resp: 113990
Ion Ratio	Lower Upper
57 100	
41 103.5	74.0 111.0
43 266.1	193.6 290.4
56 57.9	43.1 64.7





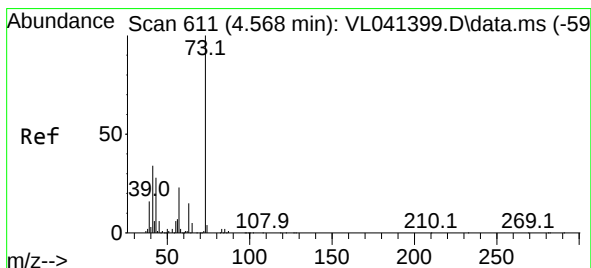
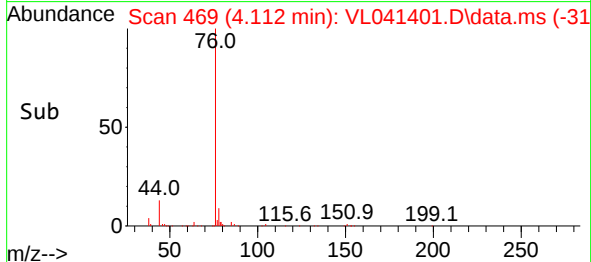
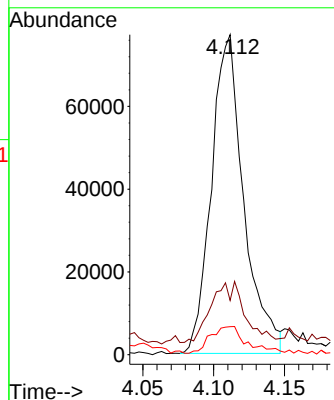
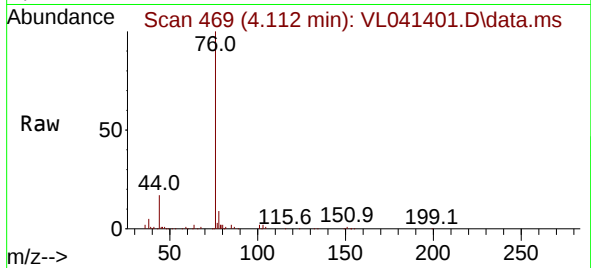
#27
Carbon Disulfide
Concen: 0.779 ppbv
RT: 4.112 min Scan# 411
Delta R.T. 0.007 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 76 Resp: 122260
Ion Ratio Lower Upper
76 100
44 20.5 15.6 23.4
78 11.2 7.7 11.5

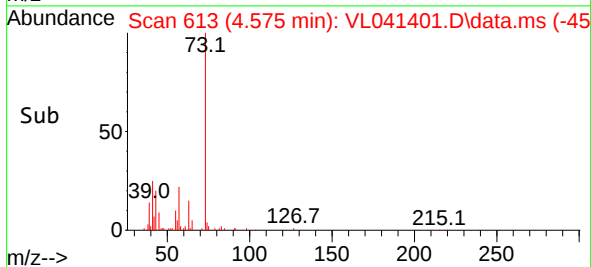
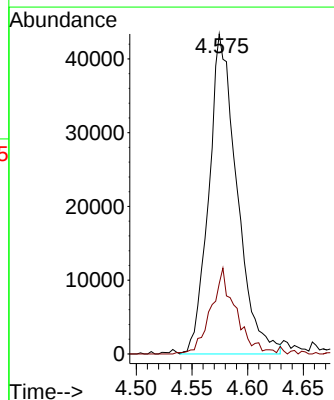
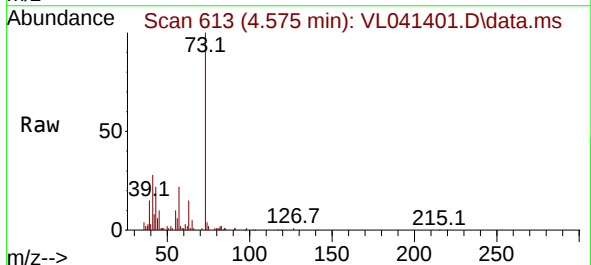
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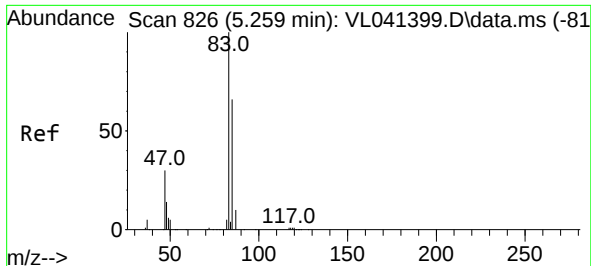
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#28
Methyl tert-Butyl Ether
Concen: 0.798 ppbv
RT: 4.575 min Scan# 613
Delta R.T. 0.007 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion: 73 Resp: 76370
Ion Ratio Lower Upper
73 100
57 24.3 18.9 28.3





#29

Chloroform

Concen: 0.970 ppbv

RT: 5.259 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 83 Resp: 193219

Ion Ratio Lower Upper

83 100

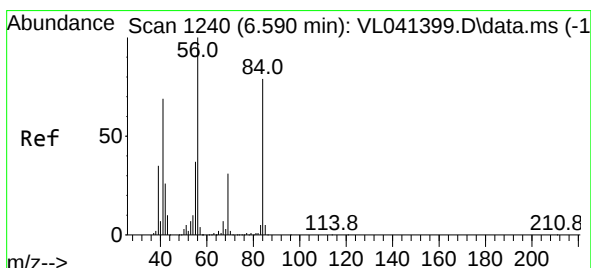
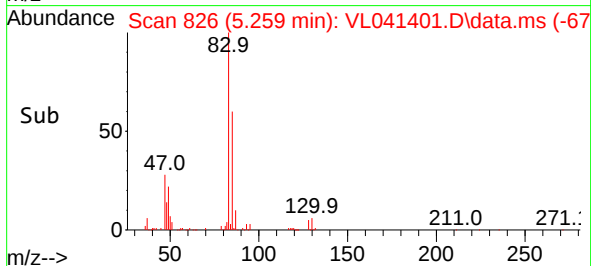
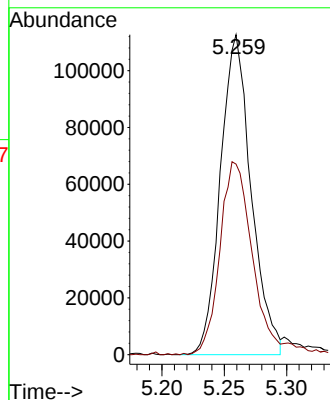
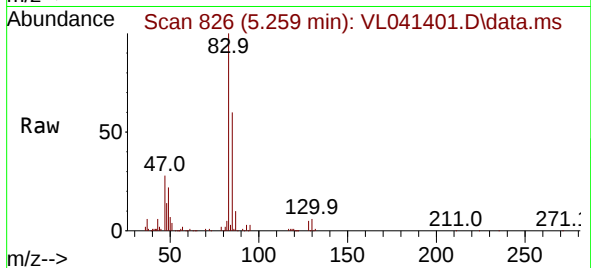
85 59.6 53.1 79.7

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Reviewed By :Semsettin Yesilyurt 07/26/2024

Supervised By :Mahesh Dadoda 07/29/2024



#30

Cyclohexane

Concen: 0.926 ppbv m

RT: 6.594 min Scan# 1241

Delta R.T. 0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

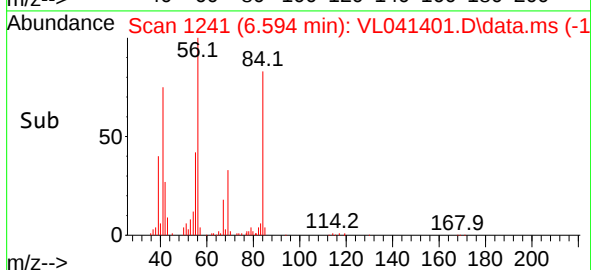
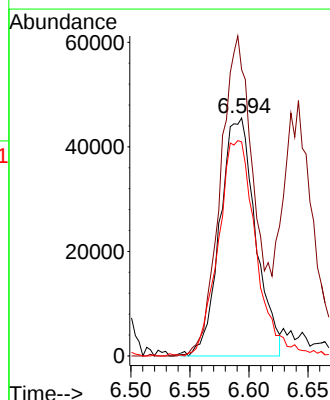
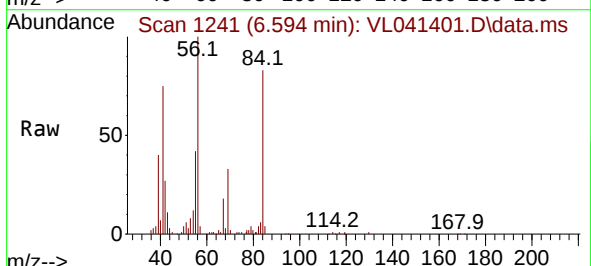
Tgt Ion: 84 Resp: 95243

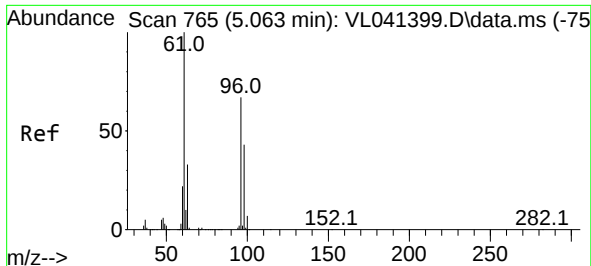
Ion Ratio Lower Upper

84 100

56 128.4 111.2 166.8

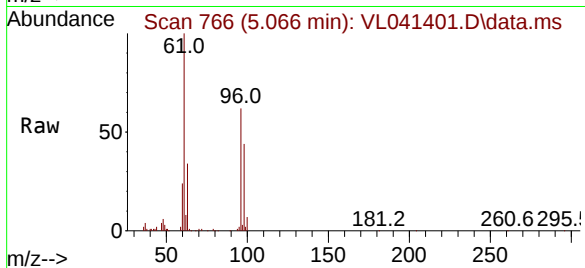
41 97.2 70.3 105.5





#31
 cis-1,2-Dichloroethene
 Concen: 0.908 ppbv
 RT: 5.066 min Scan# 765
 Delta R.T. 0.003 min
 Lab File: VL041401.D
 Acq: 25 Jul 2024 15:19

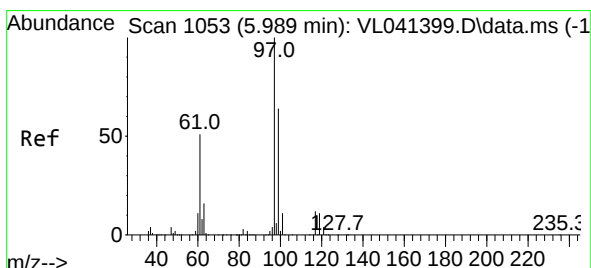
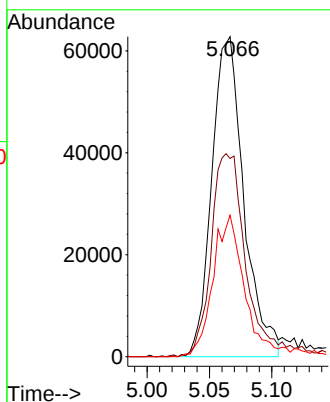
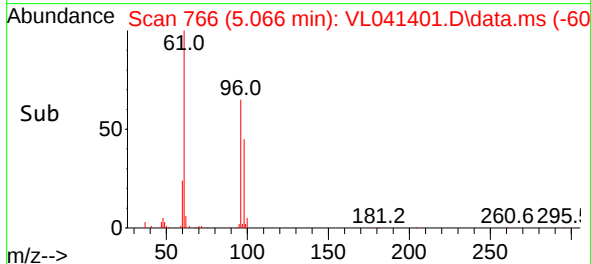
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 61 Resp: 112360
 Ion Ratio Lower Upper
 61 100
 96 62.0 53.4 80.2
 98 44.2 34.4 51.6

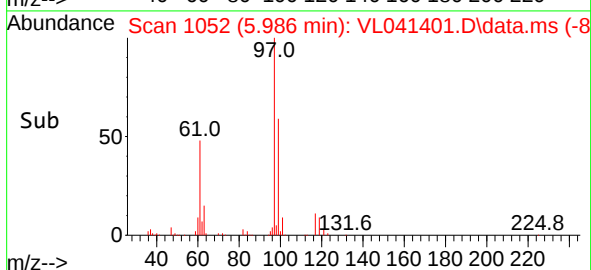
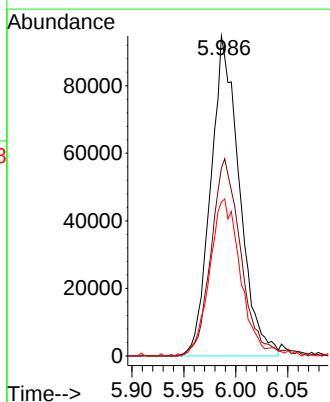
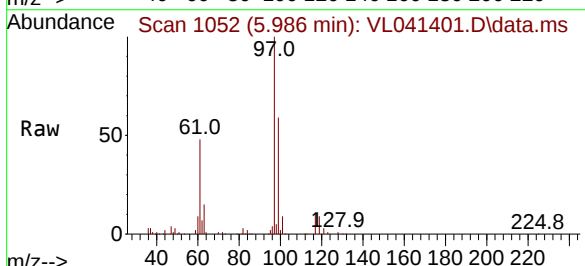
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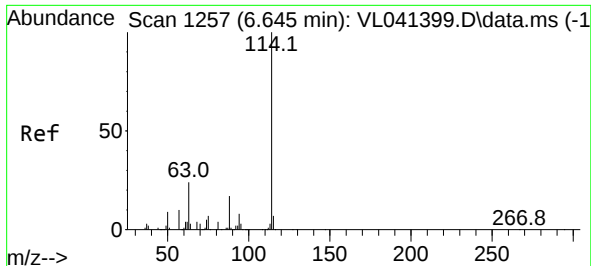
Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024



#32
 1,1,1-Trichloroethane
 Concen: 0.870 ppbv
 RT: 5.986 min Scan# 1052
 Delta R.T. -0.003 min
 Lab File: VL041401.D
 Acq: 25 Jul 2024 15:19

Tgt Ion: 97 Resp: 181889
 Ion Ratio Lower Upper
 97 100
 99 64.5 52.0 78.0
 61 53.9 41.8 62.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 114

Delta R.T. -0.006 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:114 Resp: 334298

Ion Ratio Lower Upper

114 100

63 24.7 20.3 30.5

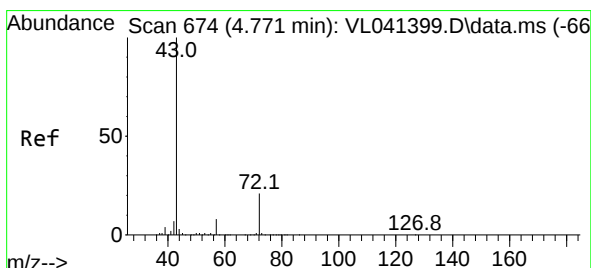
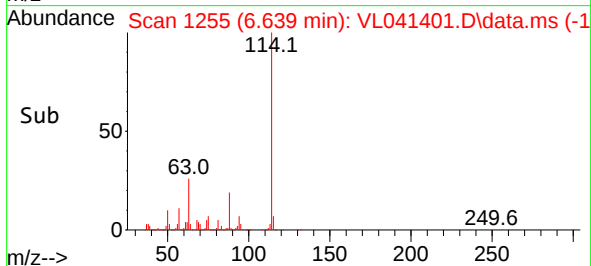
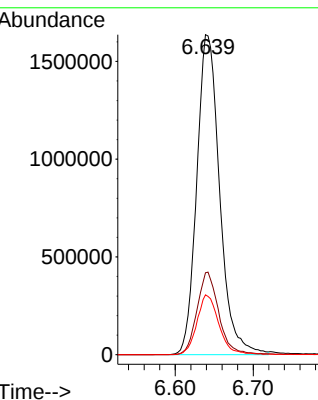
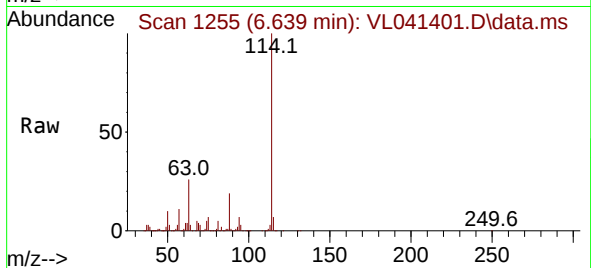
88 18.1 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/26/2024

Supervised By :Mahesh Dadoda 07/29/2024



#34

2-Butanone

Concen: 0.930 ppbv

RT: 4.777 min Scan# 676

Delta R.T. 0.007 min

Lab File: VL041401.D

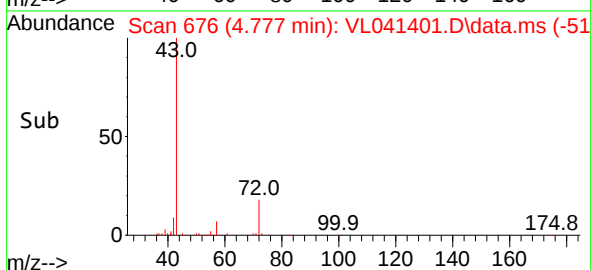
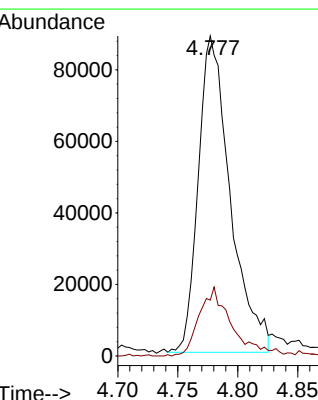
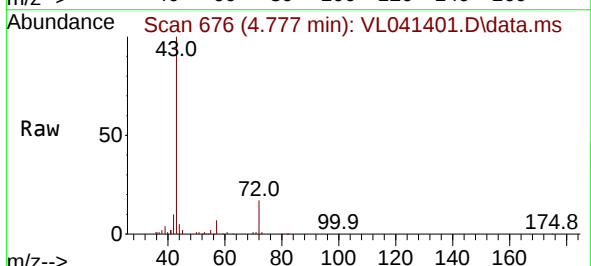
Acq: 25 Jul 2024 15:19

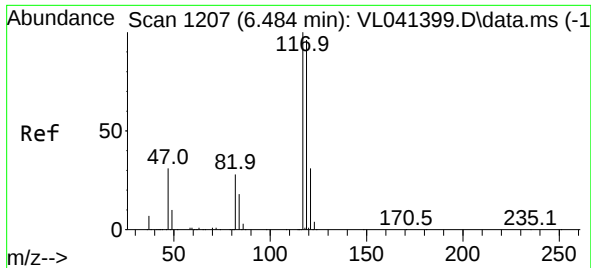
Tgt Ion: 43 Resp: 163975

Ion Ratio Lower Upper

43 100

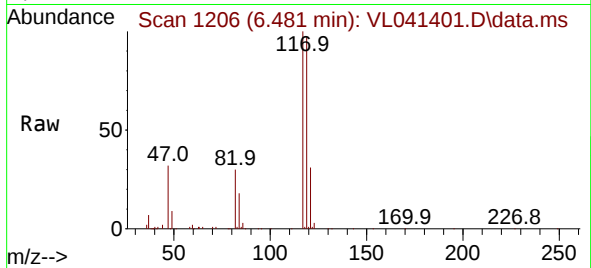
72 23.0 17.3 25.9





#35
Carbon Tetrachloride
Concen: 0.845 ppbv
RT: 6.481 min Scan# 1167
Delta R.T. -0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

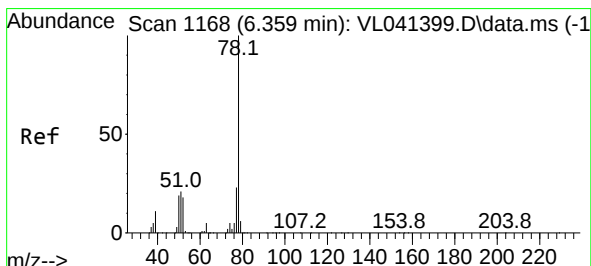
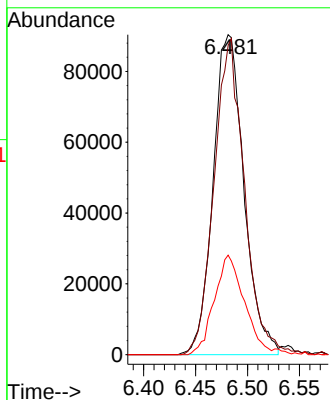
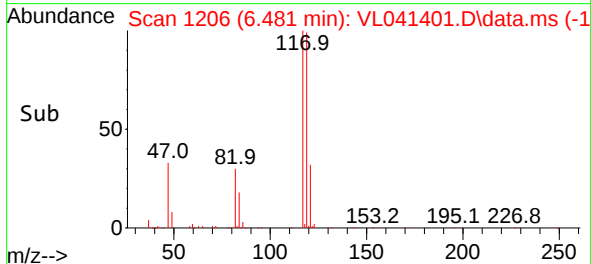
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 117 Resp: 186609
Ion Ratio Lower Upper
117 100
119 96.6 76.6 115.0
121 31.1 25.1 37.7

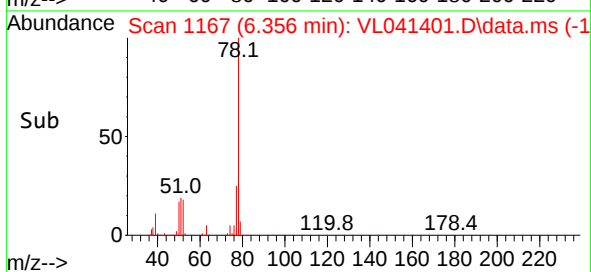
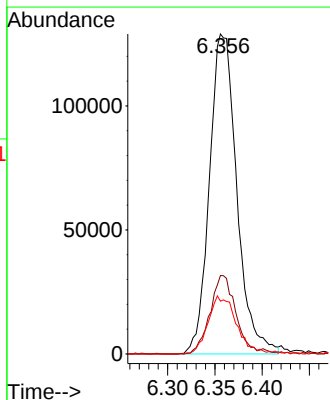
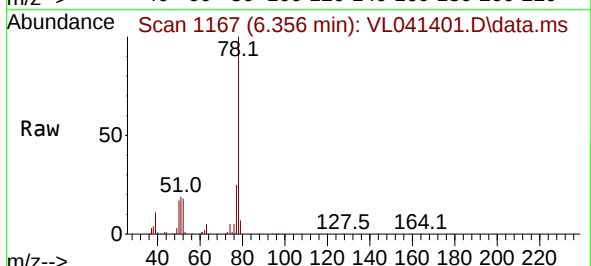
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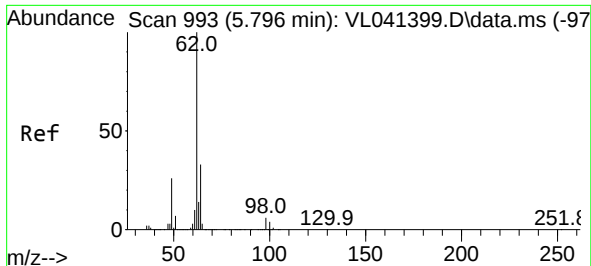
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#36
Benzene
Concen: 0.940 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. -0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion: 78 Resp: 259942
Ion Ratio Lower Upper
78 100
77 24.5 18.1 27.1
50 16.5 15.5 23.3





#37

1,2-Dichloroethane

Concen: 0.875 ppbv

RT: 5.793 min Scan# 993

Delta R.T. -0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 62 Resp: 13898

Ion Ratio Lower Upper

62 100

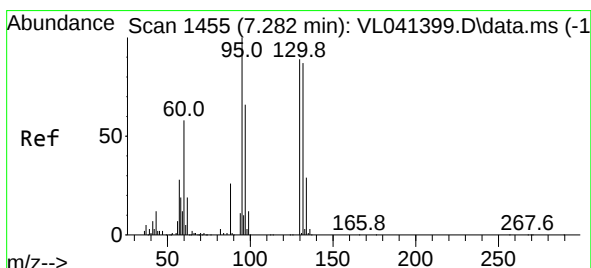
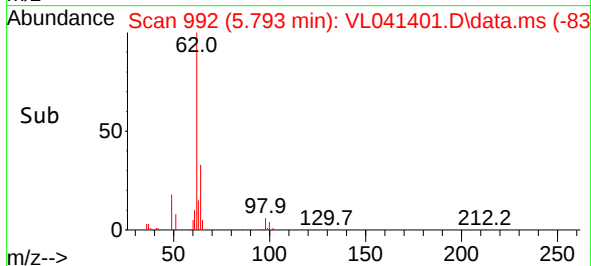
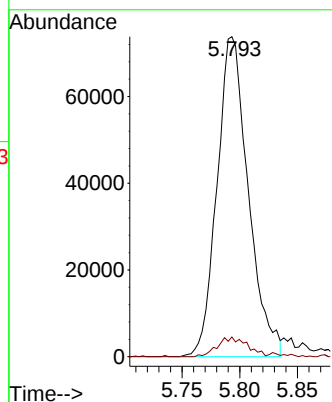
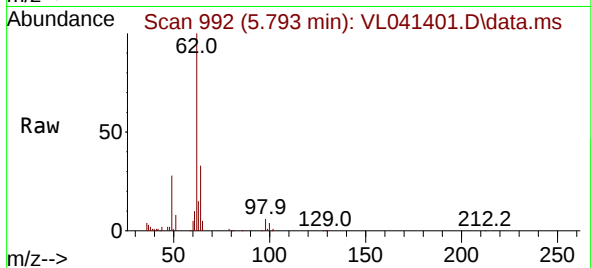
98 6.3 5.0 7.4

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Reviewed By :Semsettin Yesilyurt 07/26/2024

Supervised By :Mahesh Dadoda 07/29/2024



#38

Trichloroethene

Concen: 0.967 ppbv m

RT: 7.279 min Scan# 1454

Delta R.T. -0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Tgt Ion:130 Resp: 116586

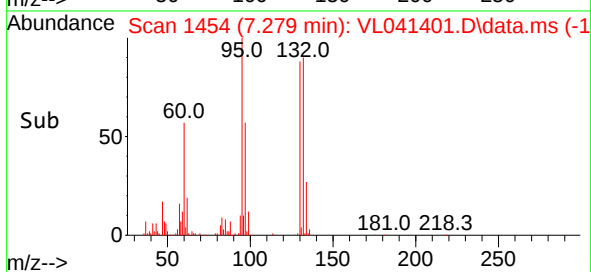
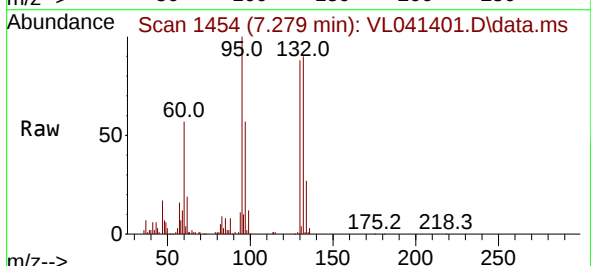
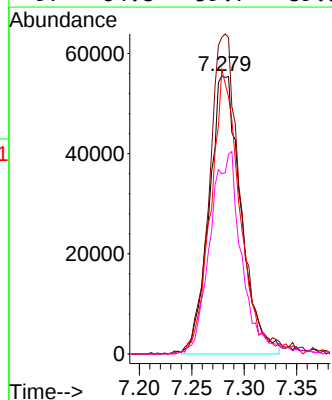
Ion Ratio Lower Upper

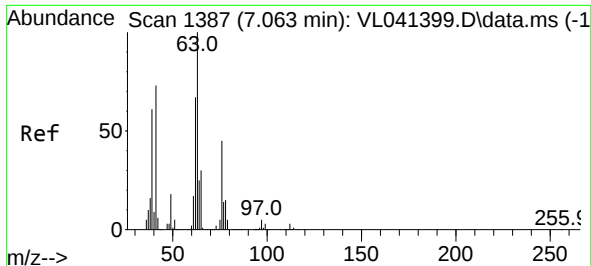
130 100

95 113.9 90.2 135.2

132 102.2 78.1 117.1

97 64.8 59.7 89.5





#39

1,2-Dichloropropane

Concen: 0.921 ppbv m

RT: 7.063 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

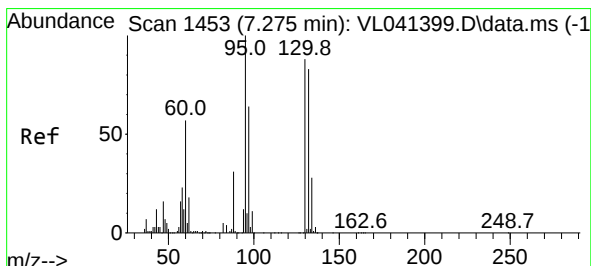
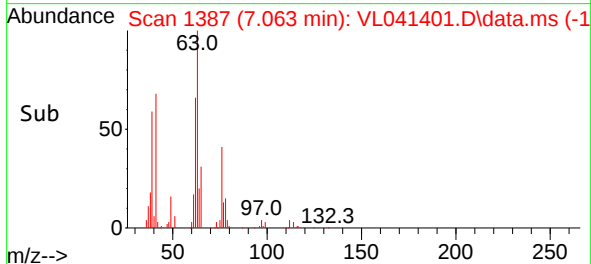
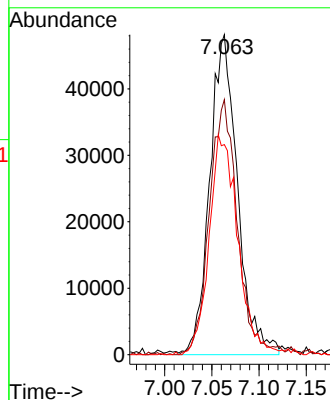
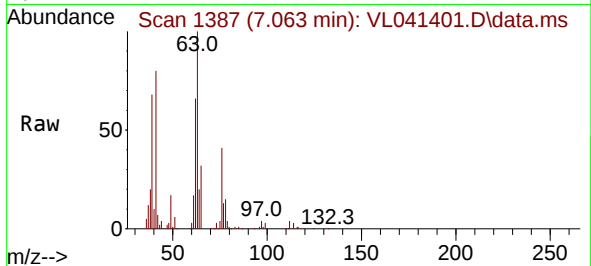
VSTDICC001

Tgt Ion: 63	Resp: 9842
Ion Ratio	Lower Upper
63 100	
41 79.7	58.3 87.5
62 65.6	53.9 80.9

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



#40

1,4-Dioxane

Concen: 1.074 ppbv m

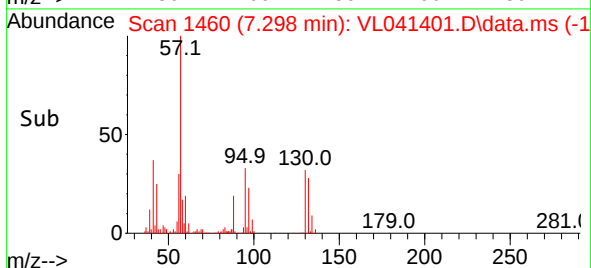
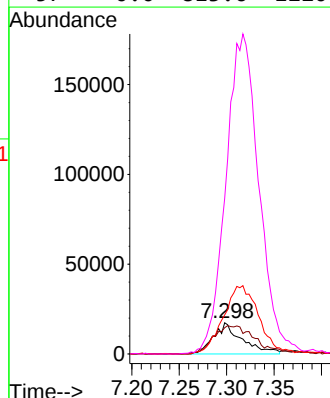
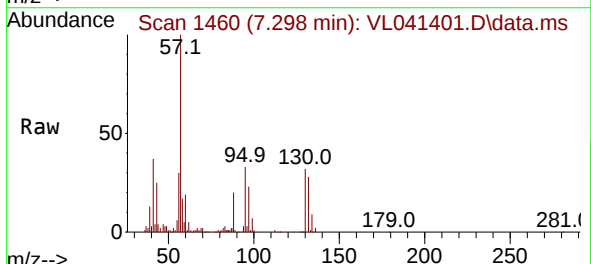
RT: 7.298 min Scan# 1460

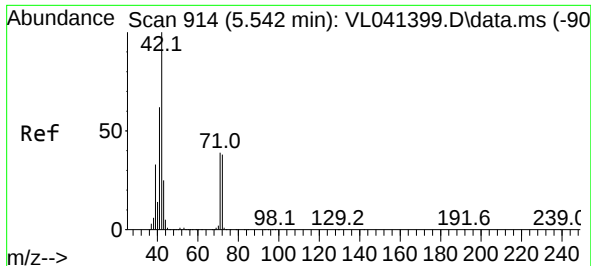
Delta R.T. 0.023 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

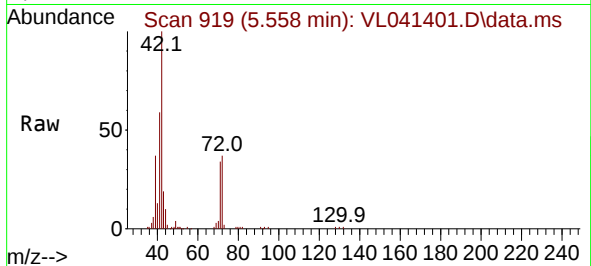
Tgt Ion: 88	Resp: 36813
Ion Ratio	Lower Upper
88 100	
58 135.0	95.8 143.6
43 0.0	188.2 282.2#
57 0.0	813.6 1220.4#





#41
Tetrahydrofuran
Concen: 0.890 ppbv
RT: 5.558 min Scan# 914
Delta R.T. 0.016 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

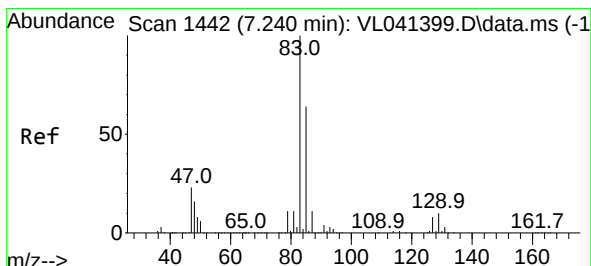
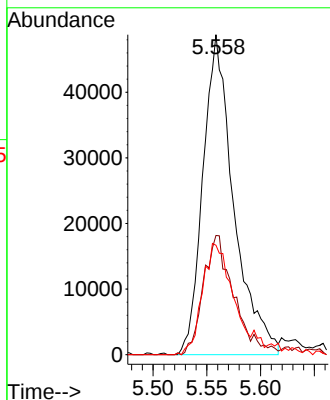
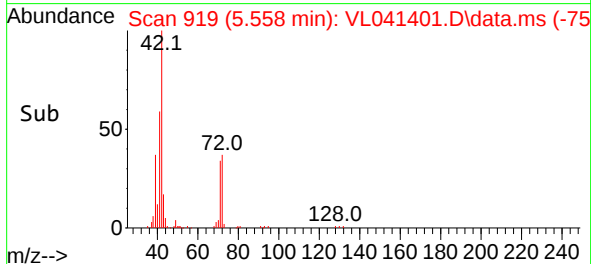
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 42 Resp: 97249
Ion Ratio Lower Upper
42 100
72 37.1 31.2 46.8
71 39.0 30.5 45.7

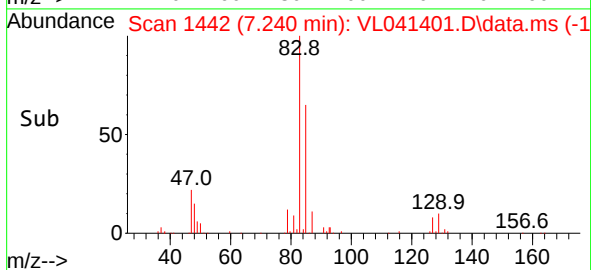
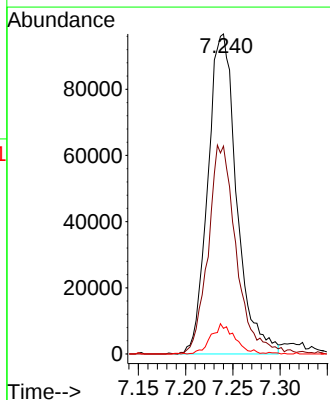
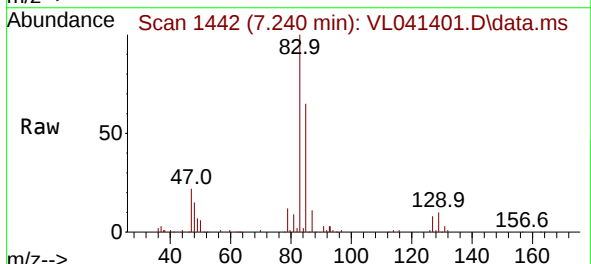
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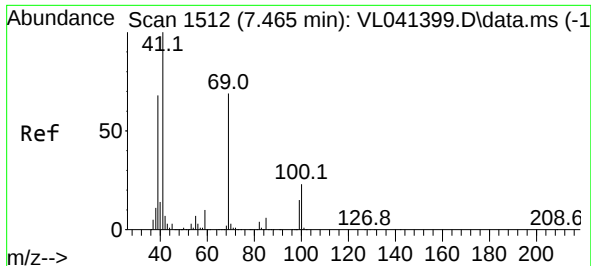
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#42
Bromodichloromethane
Concen: 0.923 ppbv
RT: 7.240 min Scan# 1442
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion: 83 Resp: 204988
Ion Ratio Lower Upper
83 100
85 64.9 51.4 77.0
127 7.8 6.7 10.1





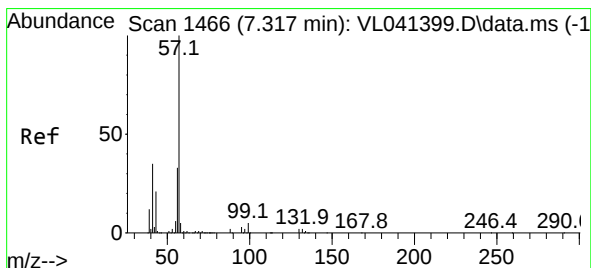
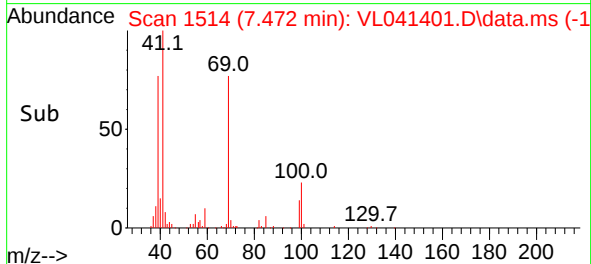
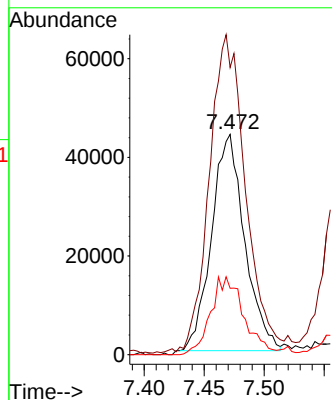
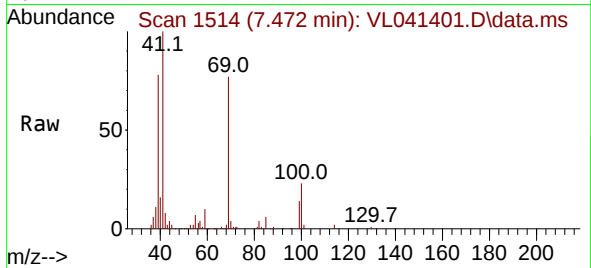
#43
Methyl Methacrylate
Concen: 0.811 ppbv
RT: 7.472 min Scan# 1514
Delta R.T. 0.007 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 84268
Ion Ratio Lower Upper
69 100
41 164.9 118.7 178.1
100 37.0 27.0 40.4

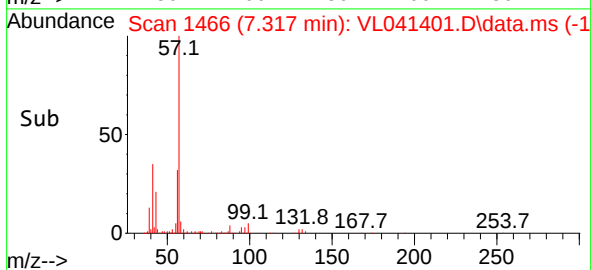
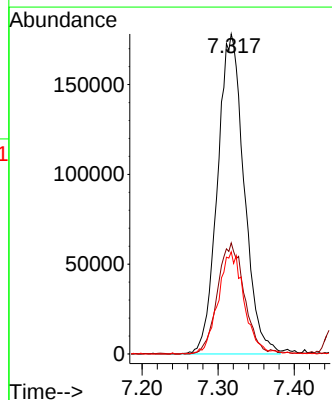
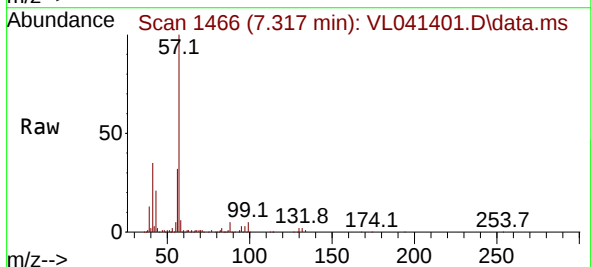
Manual Integrations
APPROVED

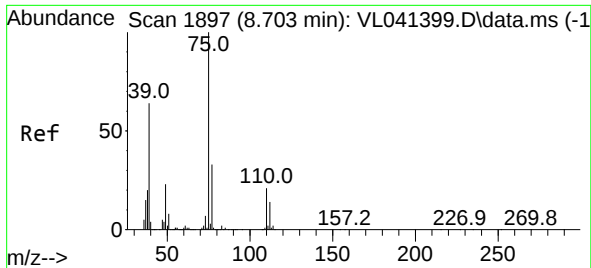
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#44
2,2,4-Trimethylpentane
Concen: 0.920 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion: 57 Resp: 432528
Ion Ratio Lower Upper
57 100
41 35.3 27.0 40.6
56 31.5 25.2 37.8





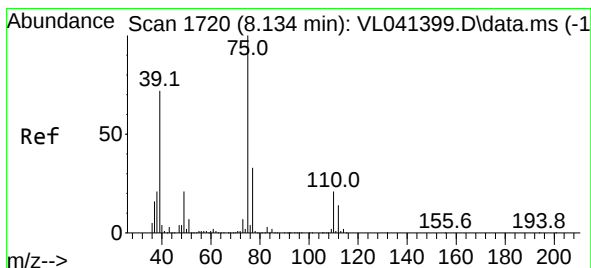
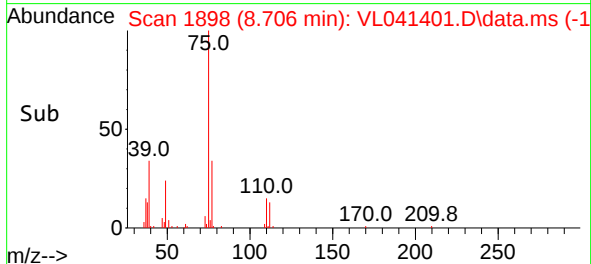
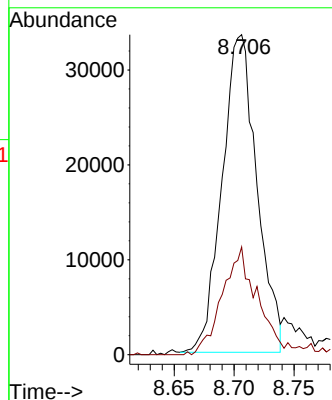
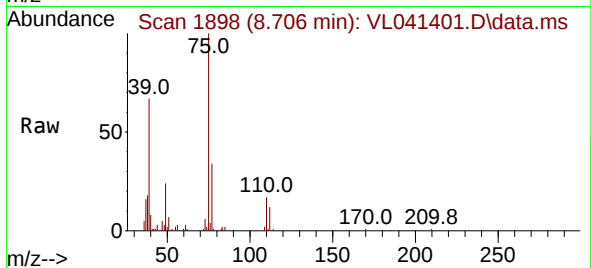
#45
t-1,3-Dichloropropene
Concen: 1.029 ppbv
RT: 8.706 min Scan# 1897
Delta R.T. 0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 75 Resp: 67679
Ion Ratio Lower Upper
75 100
77 33.7 26.5 39.7

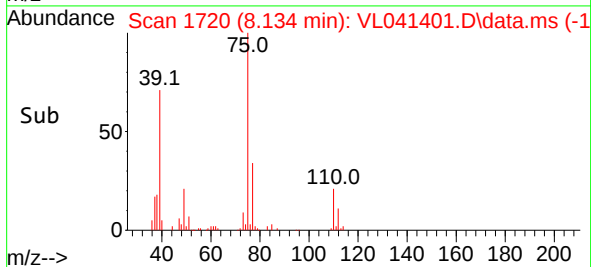
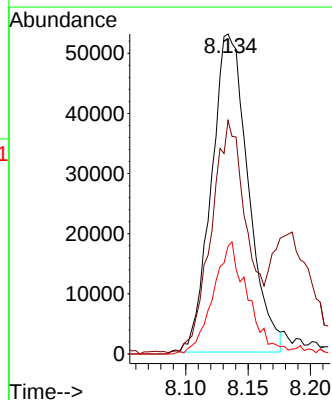
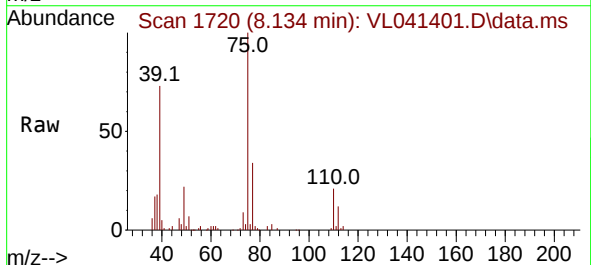
Manual Integrations
APPROVED

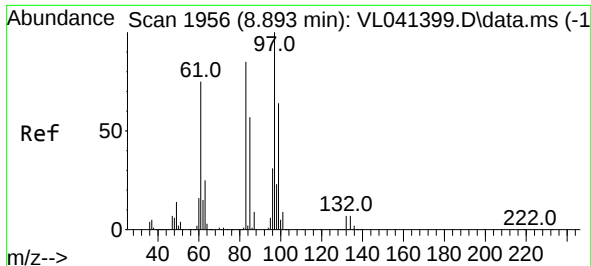
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#46
cis-1,3-Dichloropropene
Concen: 1.230 ppbv
RT: 8.134 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion: 75 Resp: 108779
Ion Ratio Lower Upper
75 100
39 72.4 57.3 85.9
77 33.2 26.2 39.2





#47

1,1,2-Trichloroethane

Concen: 0.911 ppbv

RT: 8.889 min Scan# 1956

Delta R.T. -0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 97 Resp: 104479

Ion Ratio Lower Upper

97 100

83 87.9 67.6 101.4

85 54.1 45.9 68.9

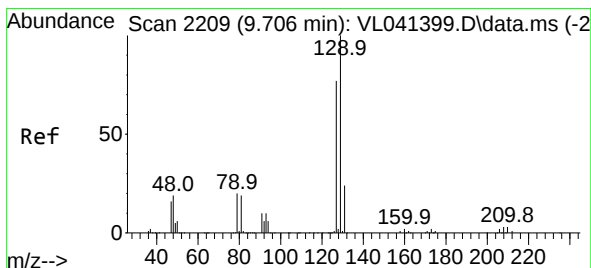
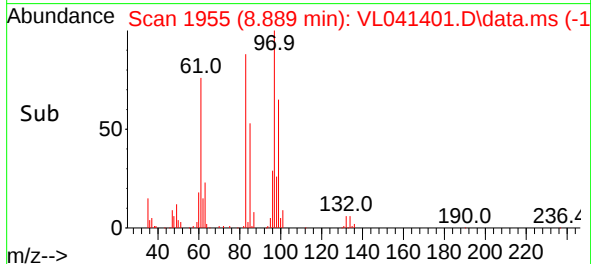
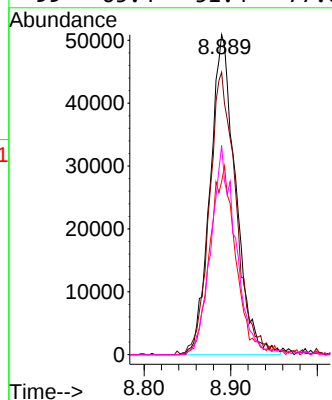
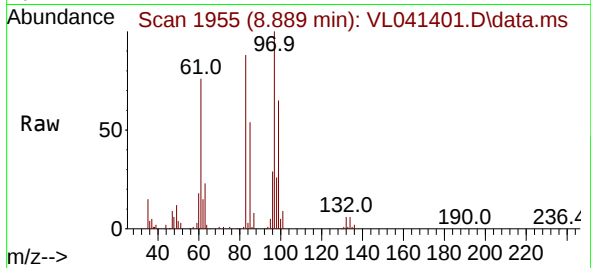
99 65.4 51.4 77.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024

Supervised By :Mahesh Dadoda 07/29/2024



#48

Dibromochloromethane

Concen: 0.913 ppbv

RT: 9.703 min Scan# 2208

Delta R.T. -0.003 min

Lab File: VL041401.D

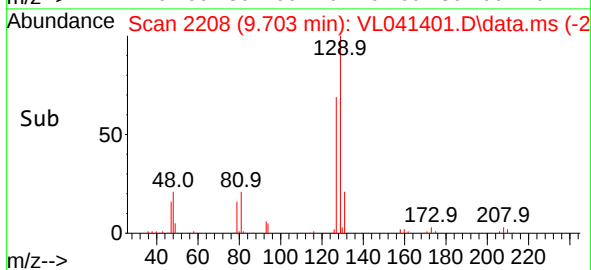
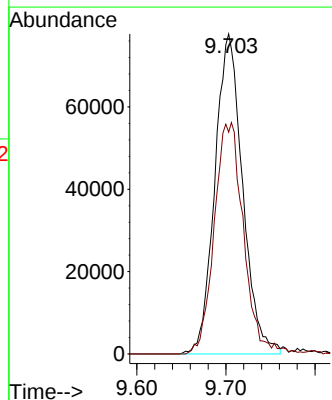
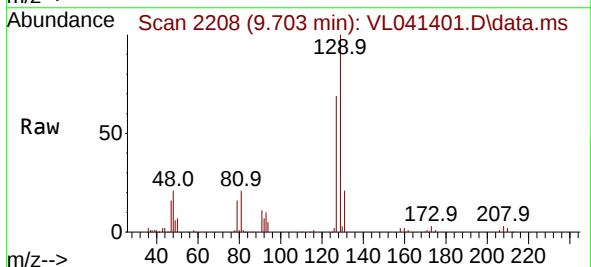
Acq: 25 Jul 2024 15:19

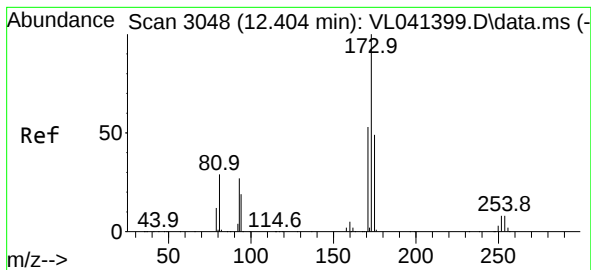
Tgt Ion:129 Resp: 168168

Ion Ratio Lower Upper

129 100

127 76.1 39.3 117.8





#49

Bromoform

Concen: 0.914 ppbv

RT: 12.404 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

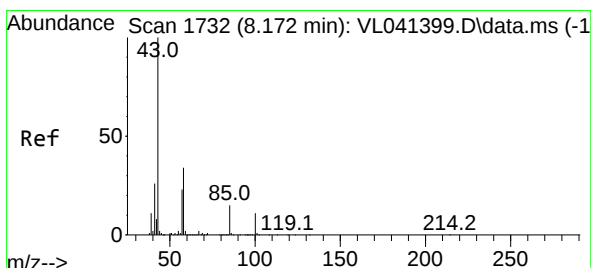
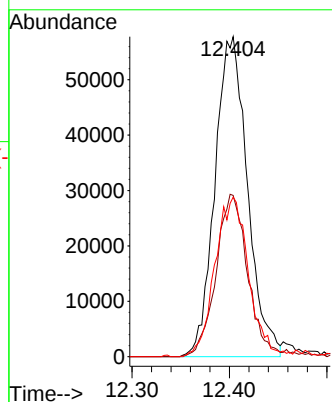
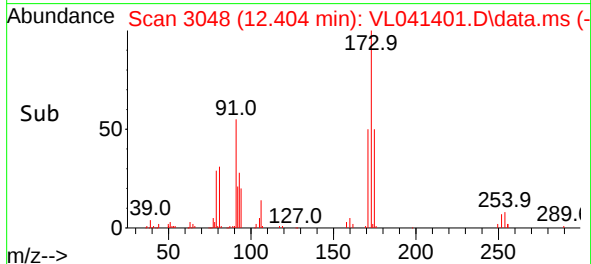
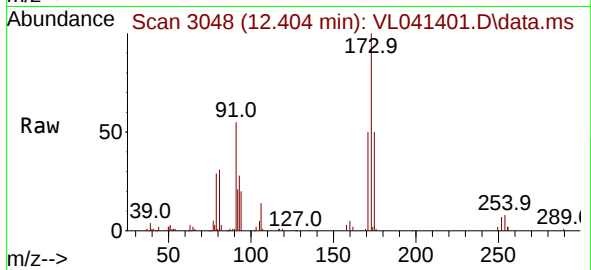
VSTDIC001

Tgt Ion: 173	Resp: 13398
Ion Ratio	Lower Upper
173 100	
175 50.1	39.9 59.9
171 52.8	41.7 62.5

Manual Integrations

APPROVED

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



#50

4-Methyl-2-Pentanone

Concen: 0.912 ppbv

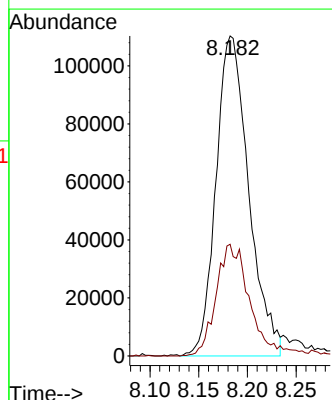
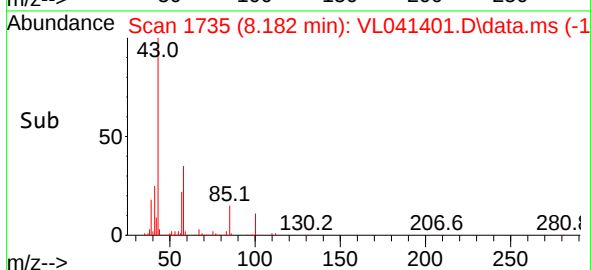
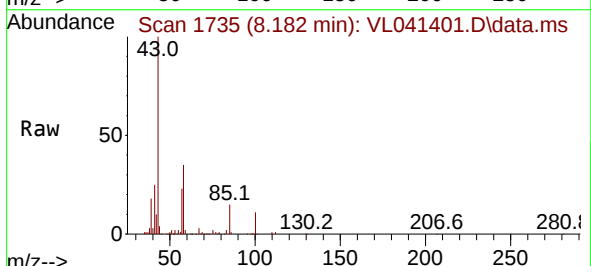
RT: 8.182 min Scan# 1735

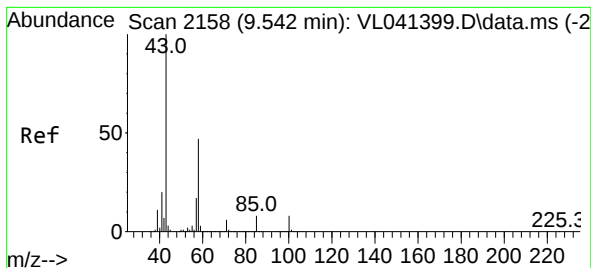
Delta R.T. 0.010 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Tgt Ion: 43	Resp: 258275
Ion Ratio	Lower Upper
43 100	
58 37.2	27.9 41.9





#51

2-Hexanone

Concen: 0.944 ppbv

RT: 9.558 min Scan# 2163

Delta R.T. 0.016 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

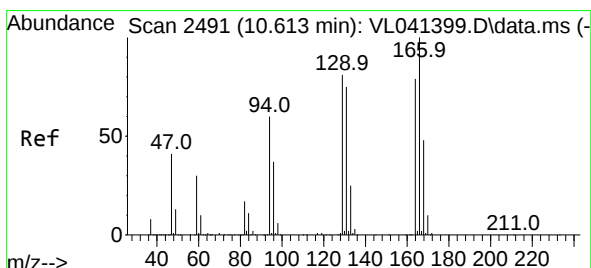
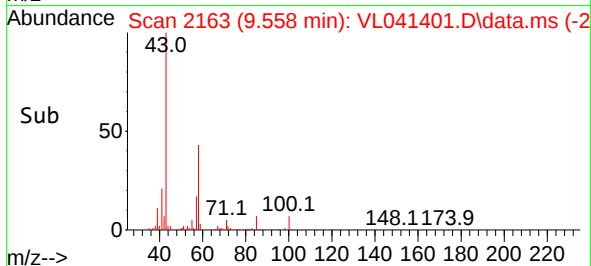
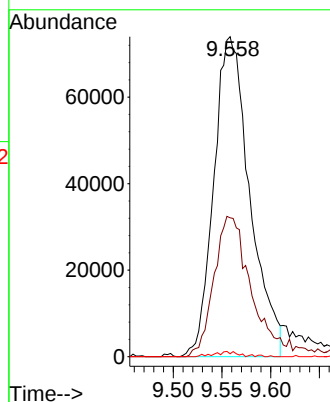
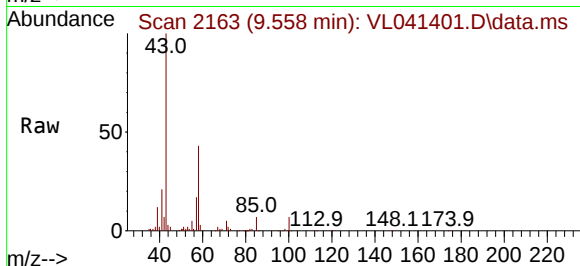
Tgt Ion: 43 Resp: 190138

Ion	Ratio	Lower	Upper
43	100		
58	47.9	38.2	57.2
98	1.0	0.3	0.5

Manual Integrations

APPROVED

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



#52

Tetrachloroethene

Concen: 0.871 ppbv m

RT: 10.613 min Scan# 2491

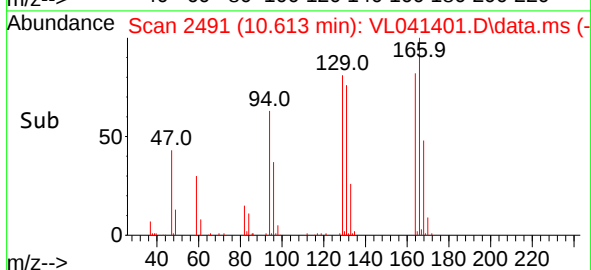
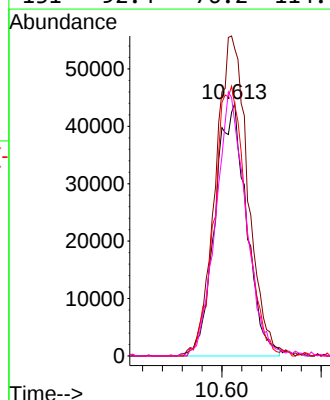
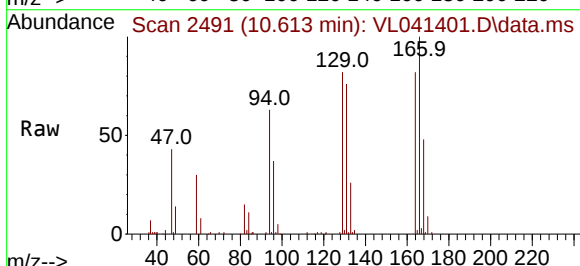
Delta R.T. 0.000 min

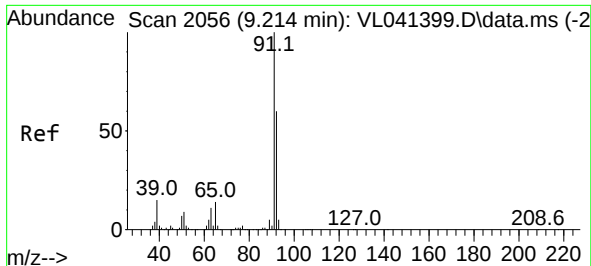
Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Tgt Ion:164 Resp: 96753

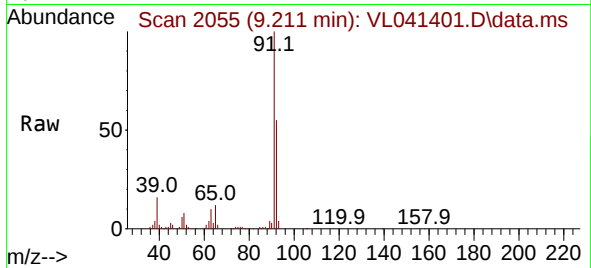
Ion	Ratio	Lower	Upper
164	100		
166	121.6	101.1	151.7
129	99.3	81.7	122.5
131	92.4	76.2	114.4





#53
Toluene
Concen: 0.912 ppbv
RT: 9.211 min Scan# 2055
Delta R.T. -0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

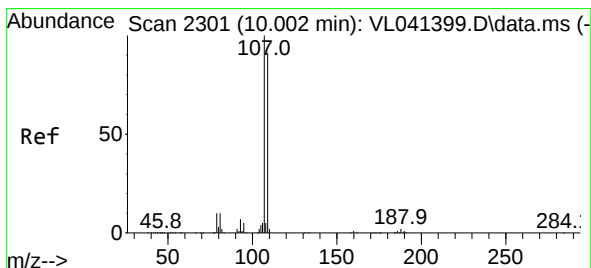
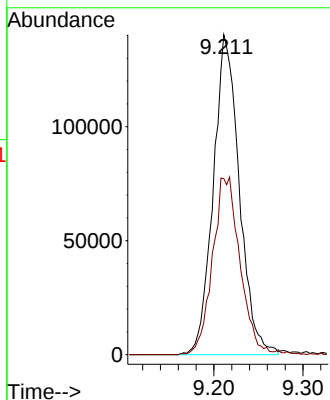
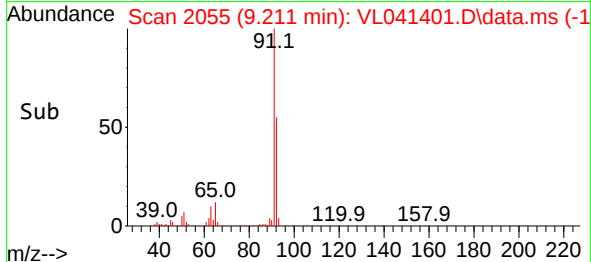
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



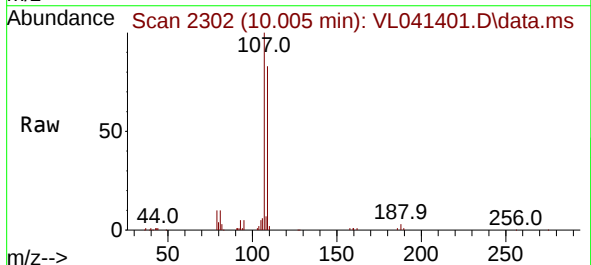
Tgt Ion: 91 Resp: 284562
Ion Ratio Lower Upper
91 100
92 59.1 48.7 73.1

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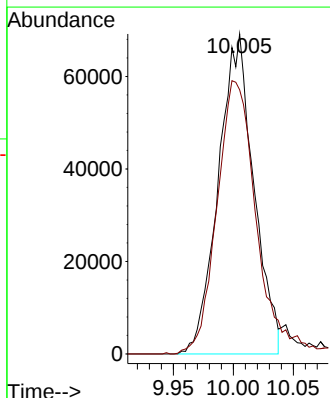
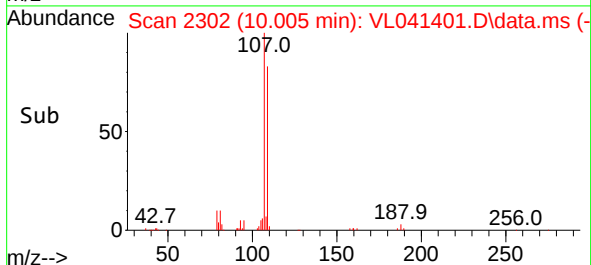
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024

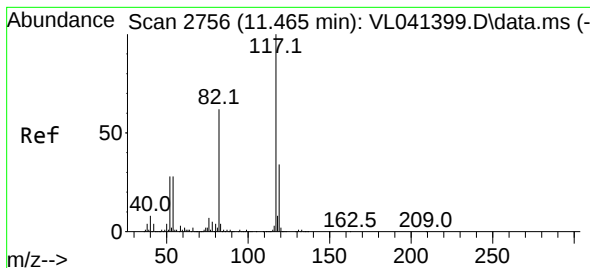


#54
1,2-Dibromoethane
Concen: 0.999 ppbv
RT: 10.005 min Scan# 2302
Delta R.T. 0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19



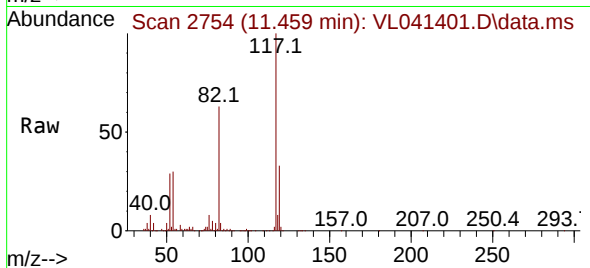
Tgt Ion:107 Resp: 141838
Ion Ratio Lower Upper
107 100
109 82.3 72.7 109.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.459 min Scan# 2756
Delta R.T. -0.006 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

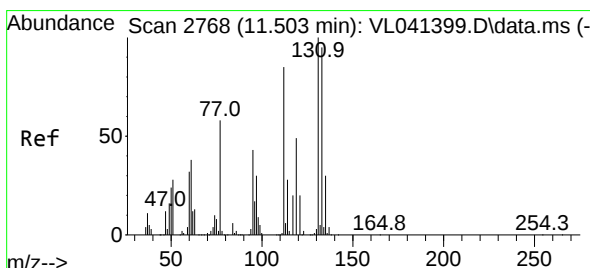
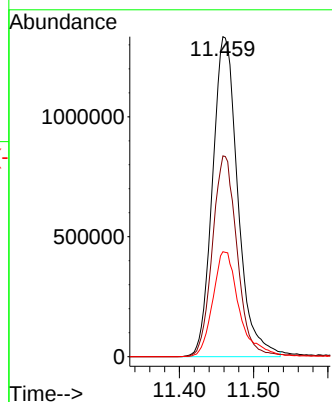
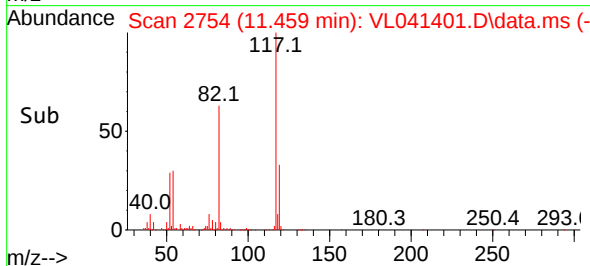
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



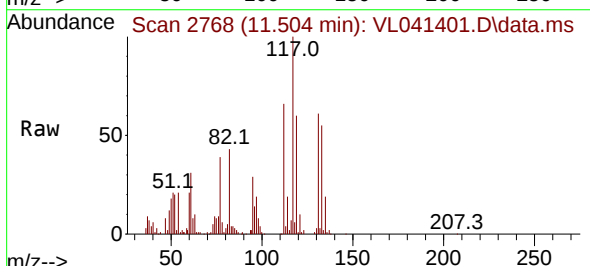
Tgt Ion:117 Resp: 3161618
Ion Ratio Lower Upper
117 100
82 62.0 51.0 76.6
119 34.7 45.2 67.8

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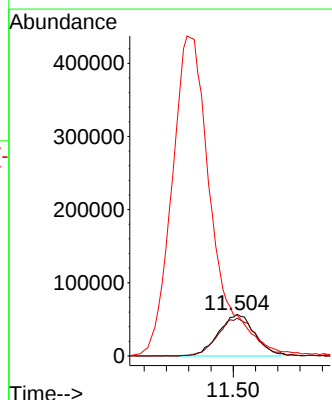
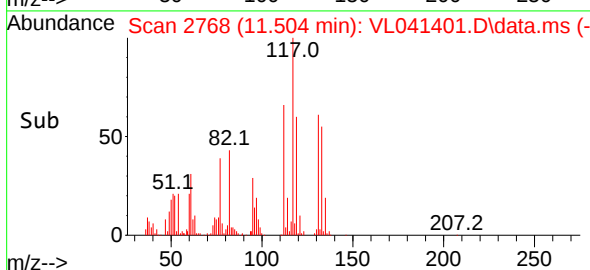
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024

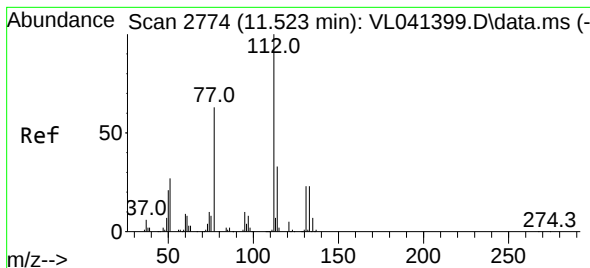


#56
1,1,1,2-Tetrachloroethane
Concen: 0.891 ppbv
RT: 11.504 min Scan# 2768
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19



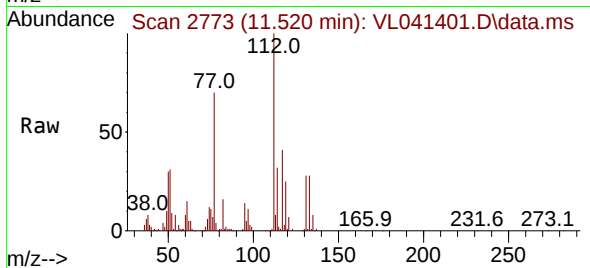
Tgt Ion:131 Resp: 126753
Ion Ratio Lower Upper
131 100
133 97.4 77.0 115.4
119 860.6 121.5 182.3





#57
Chlorobenzene
Concen: 0.971 ppbv
RT: 11.520 min Scan# 211
Delta R.T. -0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

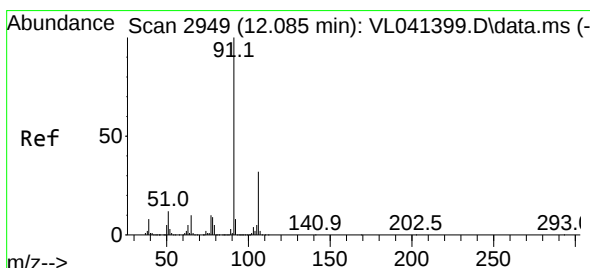
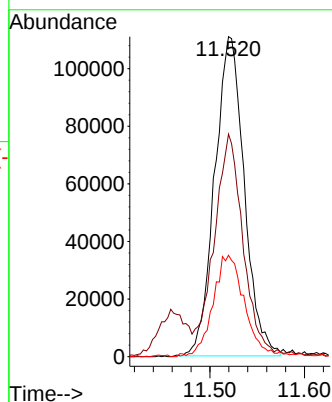
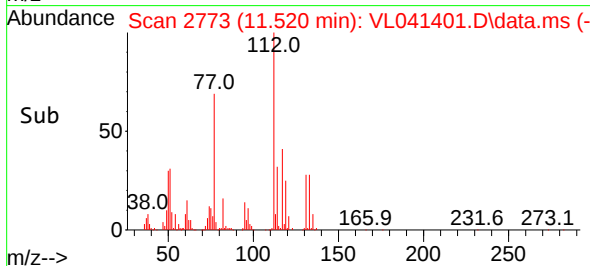
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



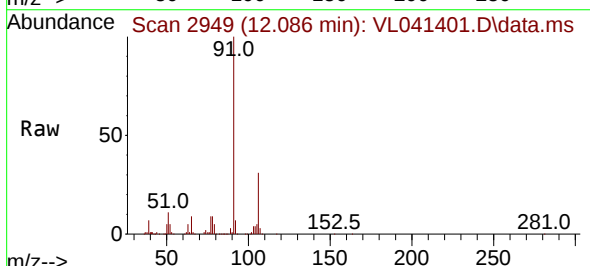
Tgt Ion:112 Resp: 24087
Ion Ratio Lower Upper
112 100
77 68.5 51.1 76.7
114 30.9 29.5 36.1

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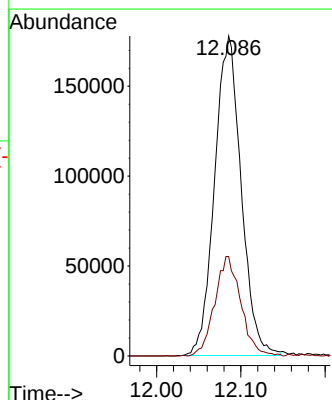
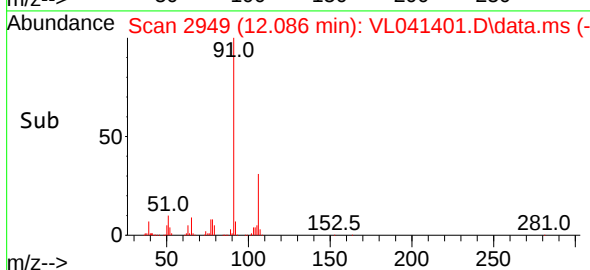
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024

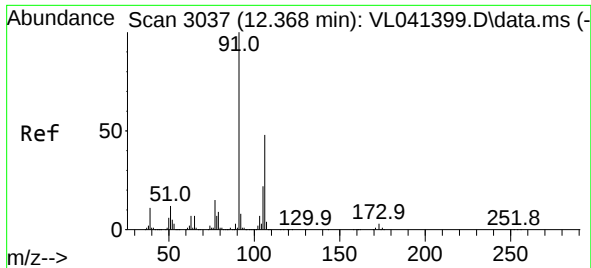


#58
Ethyl Benzene
Concen: 0.919 ppbv
RT: 12.086 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19



Tgt Ion: 91 Resp: 388676
Ion Ratio Lower Upper
91 100
106 31.1 25.8 38.8





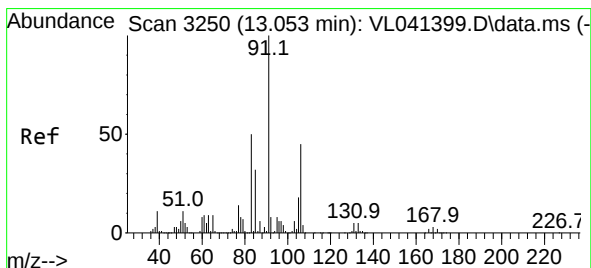
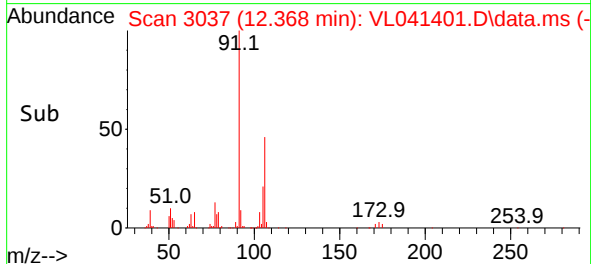
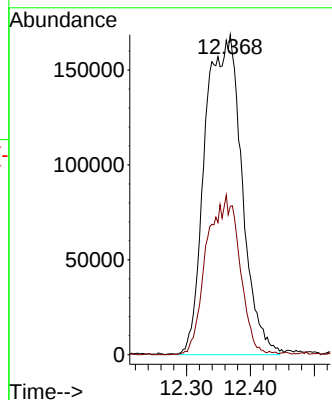
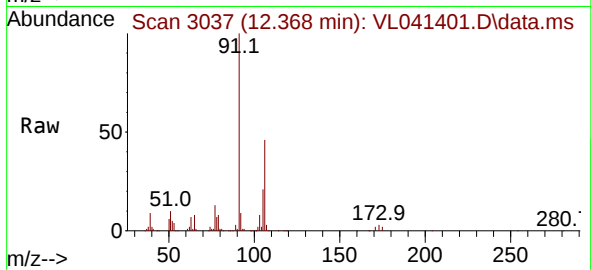
#59
m/p-Xylene
Concen: 1.840 ppbv m
RT: 12.368 min Scan# 3037
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 673520
Ion Ratio Lower Upper
91 100
106 45.1 36.3 54.5

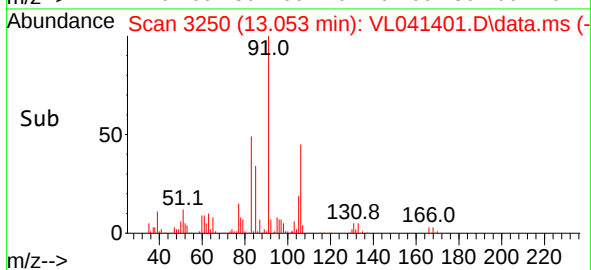
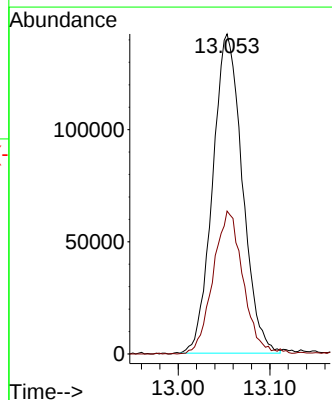
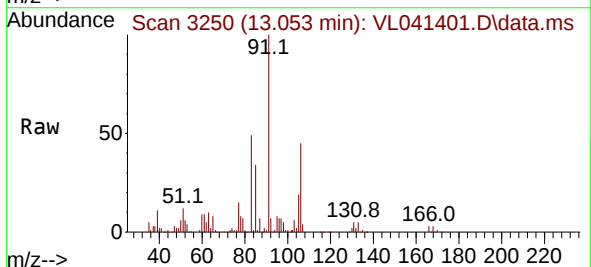
Manual Integrations
APPROVED

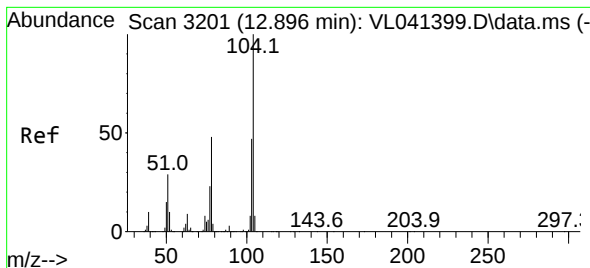
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#60
o-Xylene
Concen: 0.929 ppbv
RT: 13.053 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion: 91 Resp: 320813
Ion Ratio Lower Upper
91 100
106 45.8 23.1 69.3





#61

Styrene

Concen: 0.798 ppbv

RT: 12.896 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

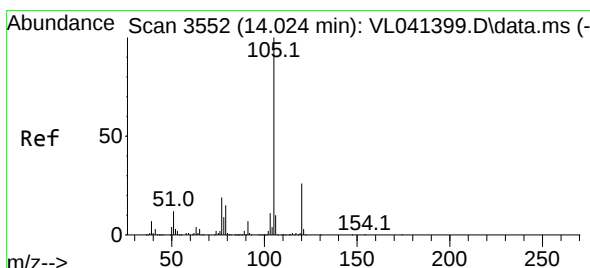
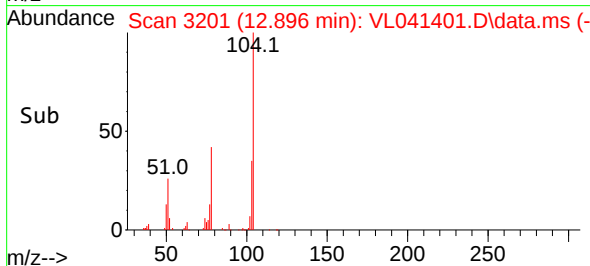
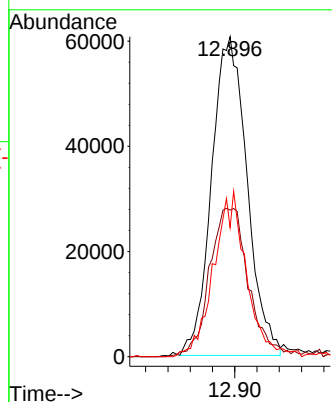
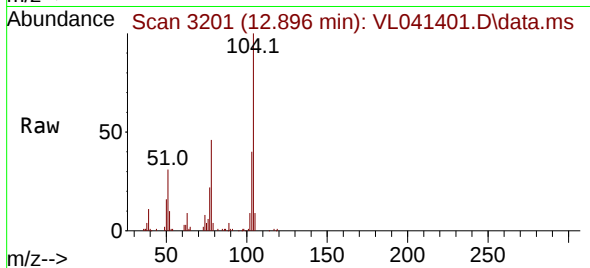
VSTDICC001

Tgt Ion:104	Resp: 133924
Ion Ratio	Lower Upper
104 100	
78 51.5	40.8 61.2
103 48.5	38.2 57.4

Manual Integrations

APPROVED

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



#62

Isopropylbenzene

Concen: 0.920 ppbv

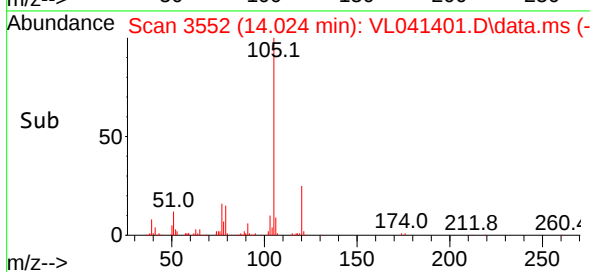
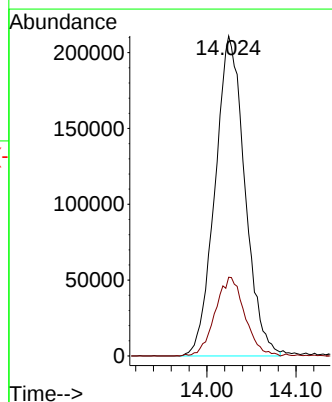
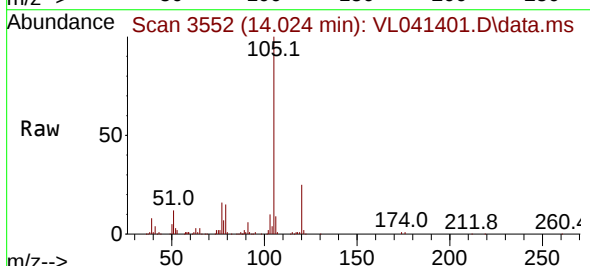
RT: 14.024 min Scan# 3552

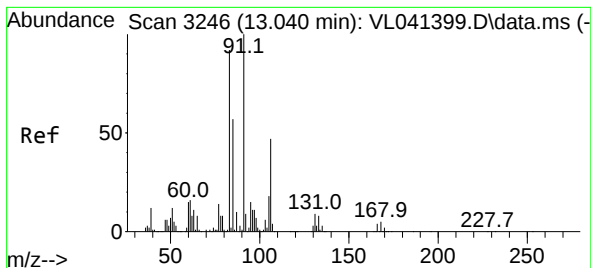
Delta R.T. 0.000 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Tgt Ion:105	Resp: 490658
Ion Ratio	Lower Upper
105 100	
120 24.7	21.0 31.4





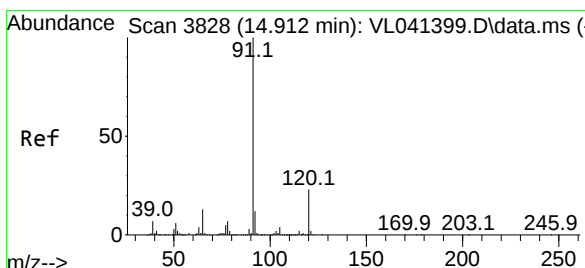
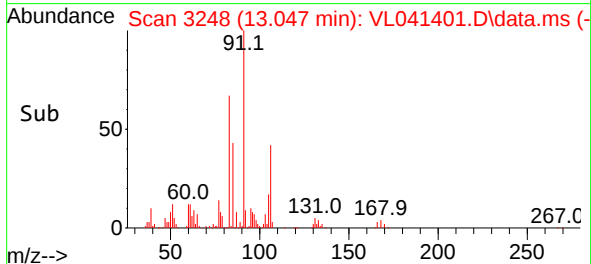
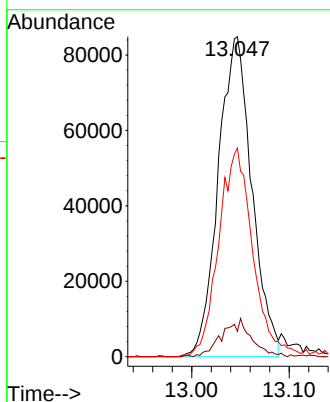
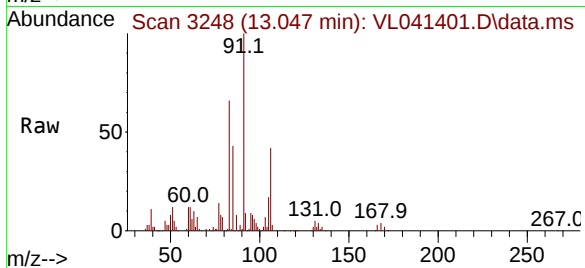
#63
1,1,2,2-Tetrachloroethane
Concen: 0.745 ppbv
RT: 13.047 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 83 Resp: 202749
Ion Ratio Lower Upper
83 100
131 10.7 4.8 14.4
85 66.4 32.6 98.0

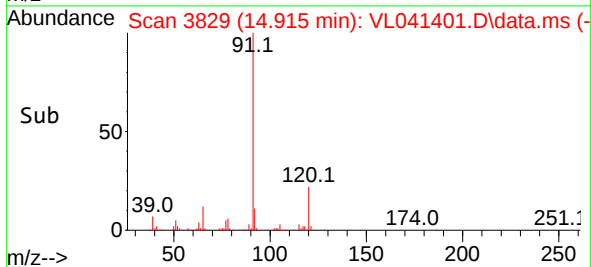
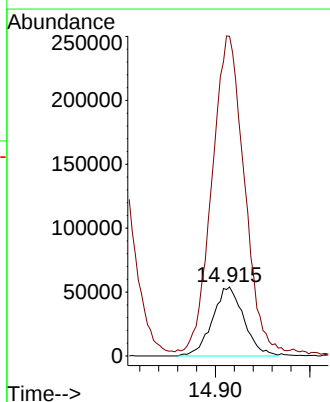
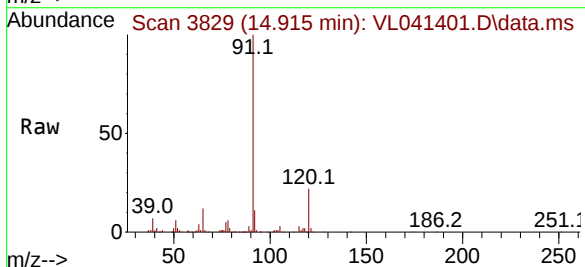
Manual Integrations
APPROVED

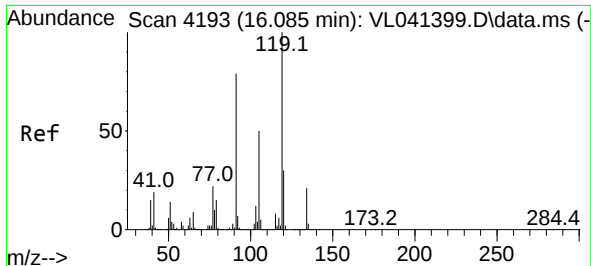
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#64
n-propylbenzene
Concen: 0.891 ppbv
RT: 14.915 min Scan# 3829
Delta R.T. 0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion:120 Resp: 124102
Ion Ratio Lower Upper
120 100
91 494.5 361.4 542.0





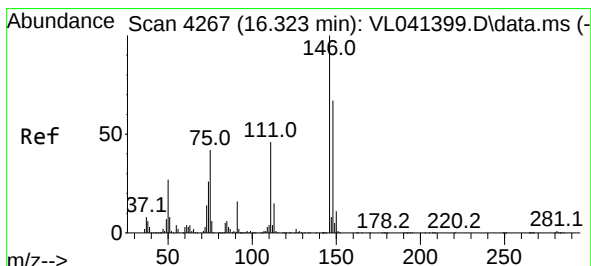
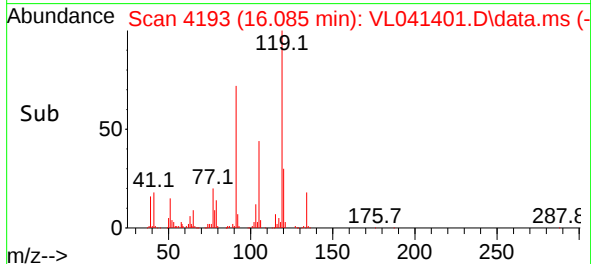
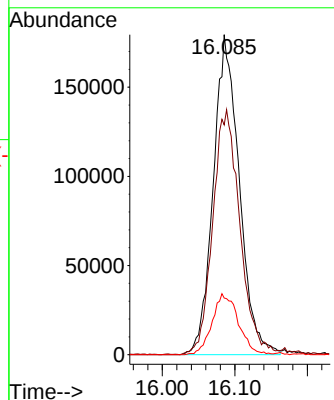
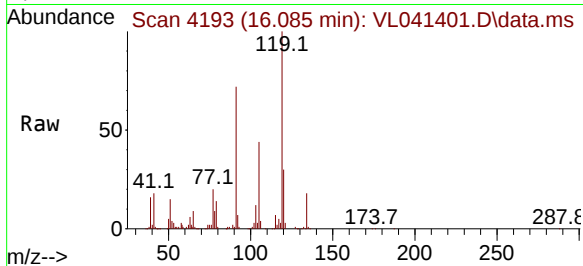
#65
tert-Butylbenzene
Concen: 0.940 ppbv
RT: 16.085 min Scan# 4193
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 119 Resp: 446299
Ion Ratio Lower Upper
119 100
91 80.7 64.2 96.2
134 19.4 15.7 23.5

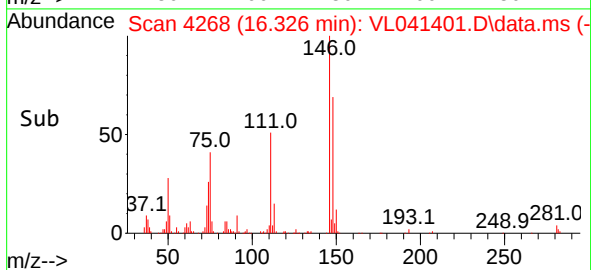
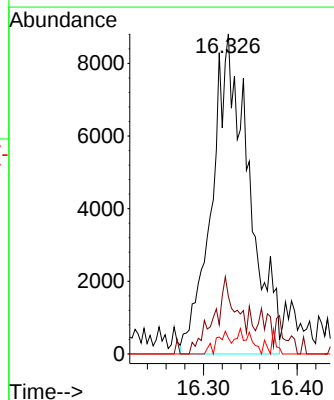
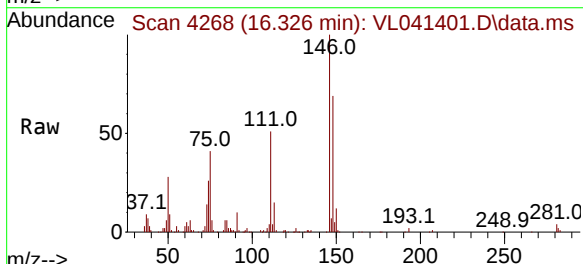
Manual Integrations
APPROVED

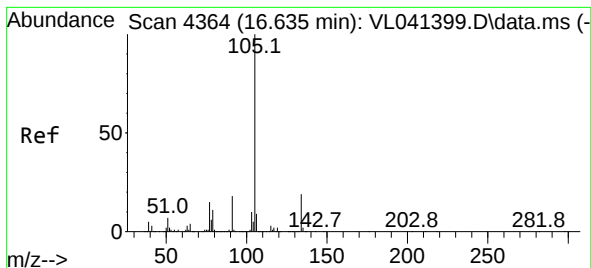
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#66
Benzyl Chloride
Concen: 0.774 ppbv m
RT: 16.326 min Scan# 4268
Delta R.T. 0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion: 91 Resp: 24142
Ion Ratio Lower Upper
91 100
126 0.0 13.8 20.8#
128 0.0 4.4 6.6#





#67

sec-Butylbenzene

Concen: 0.913 ppbv

RT: 16.632 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion:105 Resp: 613358

Ion Ratio Lower Upper

105 100

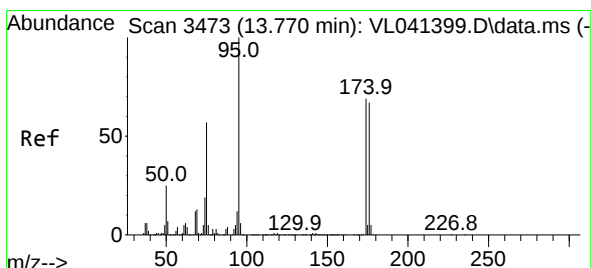
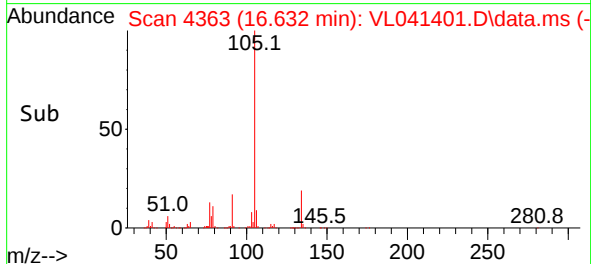
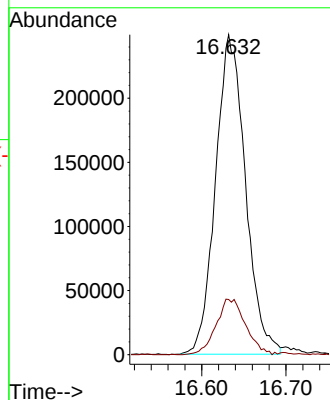
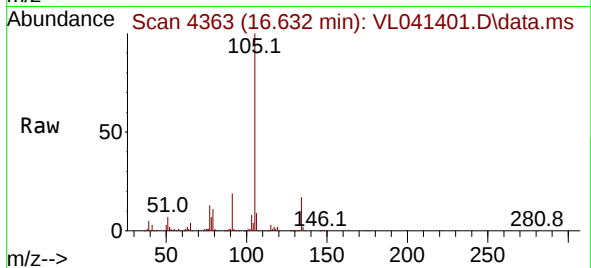
134 17.7 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024

Supervised By :Mahesh Dadoda 07/29/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 10.191 ppbv

RT: 13.774 min Scan# 3474

Delta R.T. 0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

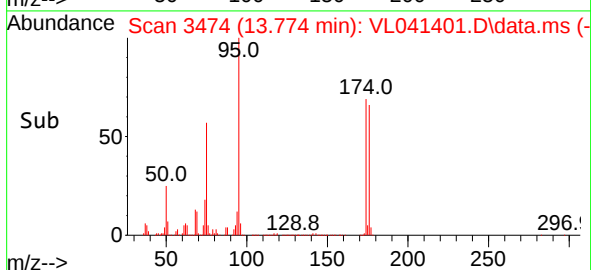
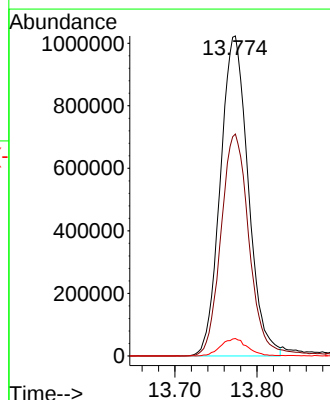
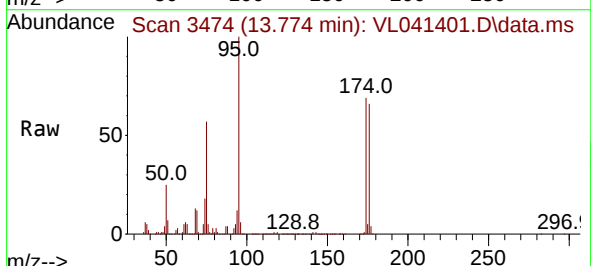
Tgt Ion: 95 Resp: 2414921

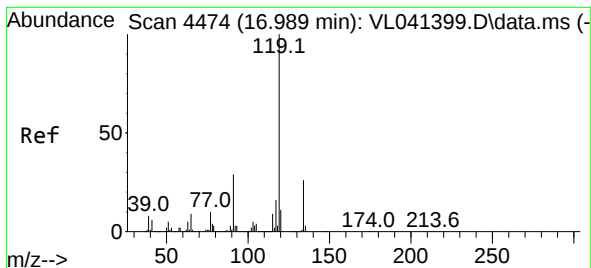
Ion Ratio Lower Upper

95 100

174 71.1 56.3 84.5

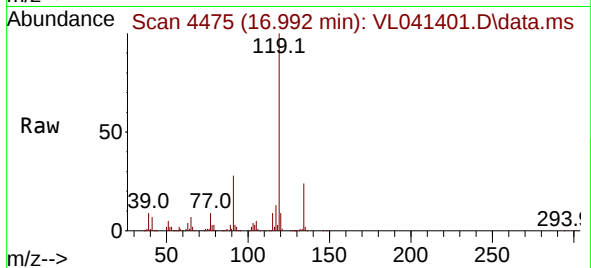
175 5.4 4.0 6.0





#69
p-Isopropyltoluene
Concen: 0.921 ppbv
RT: 16.992 min Scan# 4475
Delta R.T. 0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

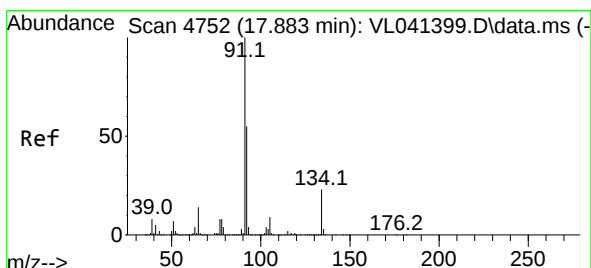
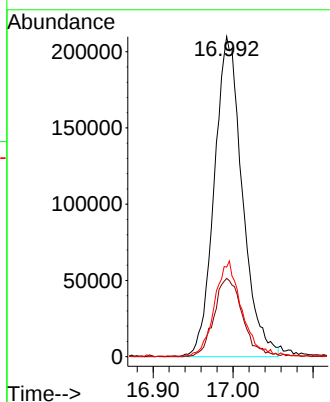
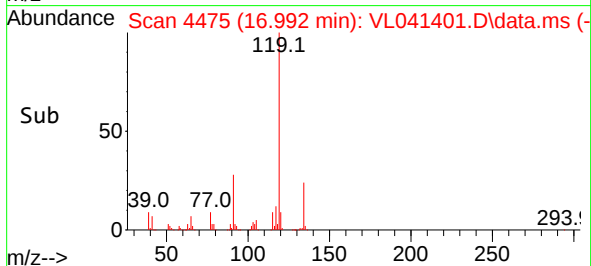
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



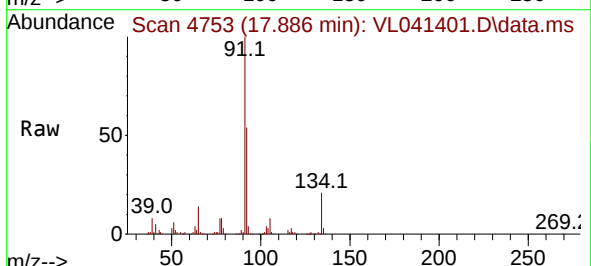
Tgt Ion: 119 Resp: 511080
Ion Ratio Lower Upper
119 100
134 25.1 20.5 30.7
91 29.0 23.2 34.8

Manual Integrations
APPROVED

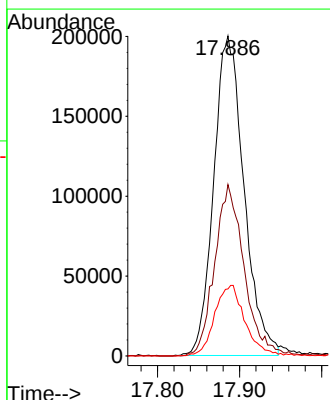
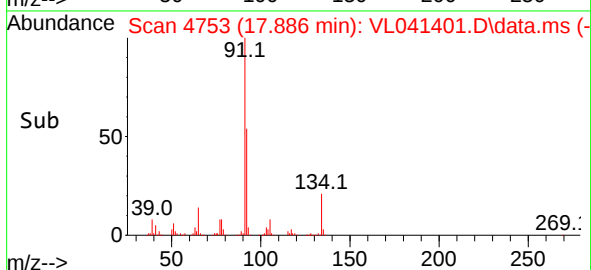
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024

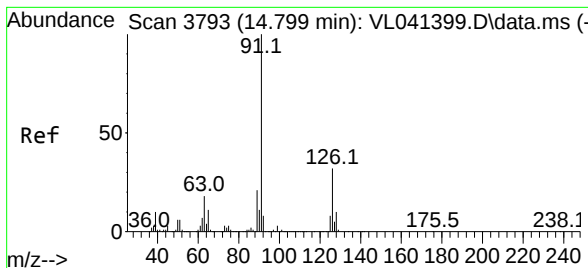


#70
n-Butylbenzene
Concen: 0.904 ppbv
RT: 17.886 min Scan# 4753
Delta R.T. 0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19



Tgt Ion: 91 Resp: 512783
Ion Ratio Lower Upper
91 100
92 52.8 43.2 64.8
134 22.4 18.5 27.7





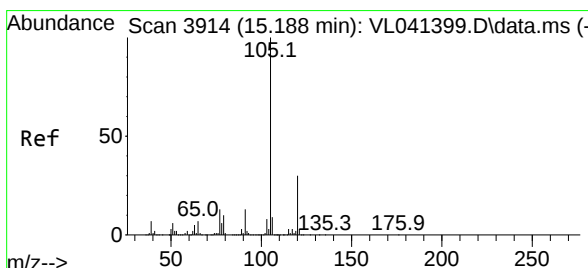
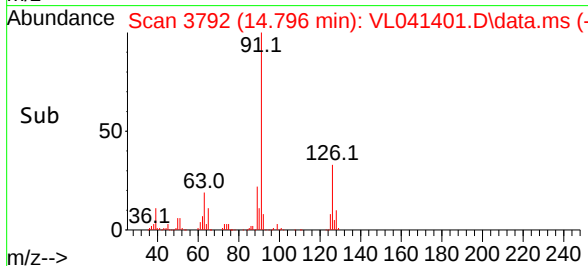
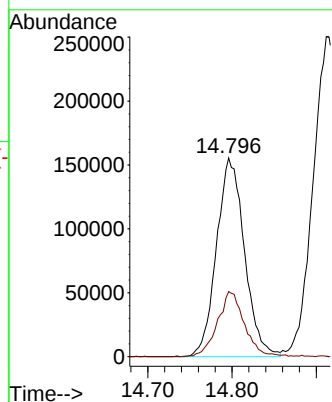
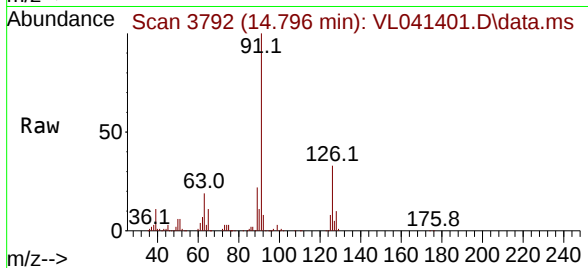
#71
2-Chlorotoluene
Concen: 0.904 ppbv
RT: 14.796 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 358079
Ion Ratio Lower Upper
91 100
126 31.9 12.7 50.9

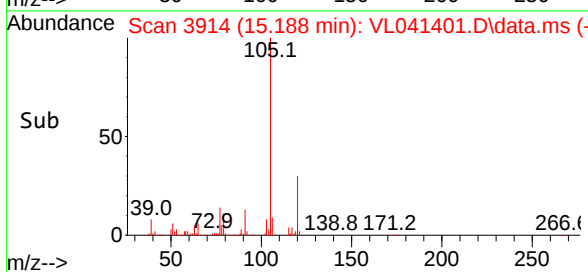
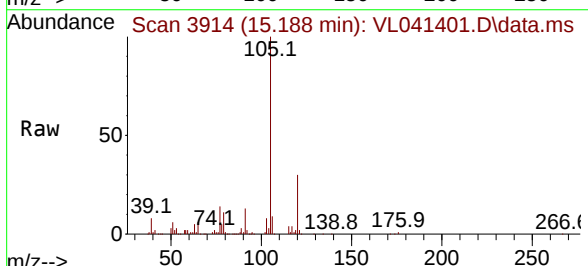
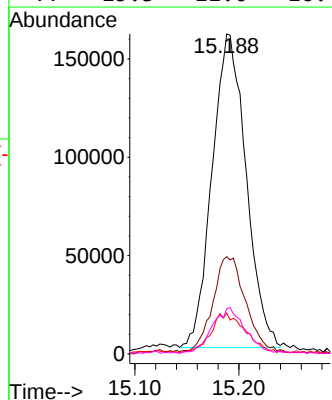
Manual Integrations
APPROVED

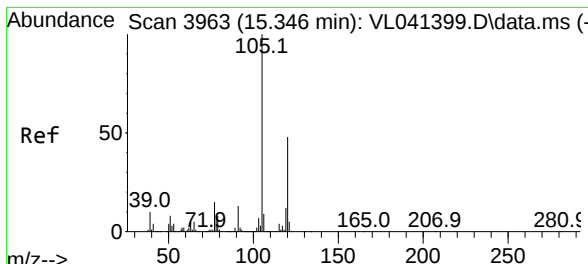
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024



#72
4-Ethyltoluene
Concen: 0.878 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion:105 Resp: 361470
Ion Ratio Lower Upper
105 100
120 32.1 24.2 36.2
91 13.0 10.4 15.6
77 15.3 11.0 16.4





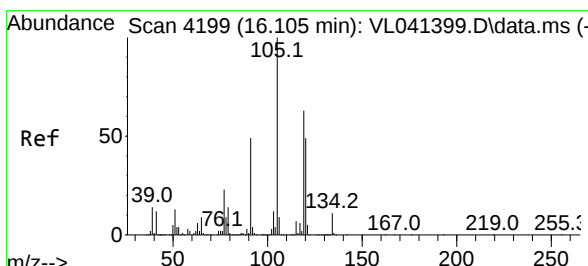
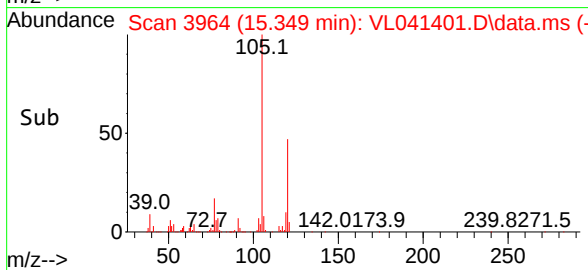
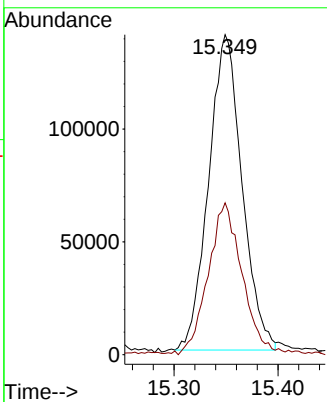
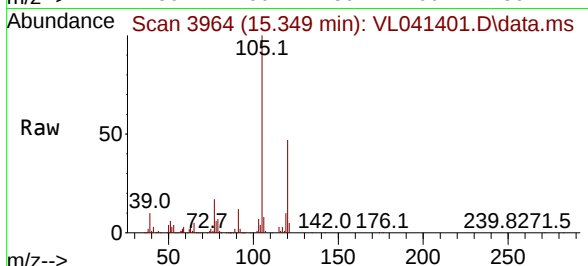
#73
 1,3,5-Trimethylbenzene
 Concen: 0.886 ppbv
 RT: 15.349 min Scan# 3964
 Delta R.T. 0.003 min
 Lab File: VL041401.D
 Acq: 25 Jul 2024 15:19

Instrument : MSVOA_1
 ClientSampleId : VSTDIC001

Tgt Ion:	105	Resp:	312184
Ion Ratio	Lower	Upper	
105	100		
120	47.0	38.6	57.8

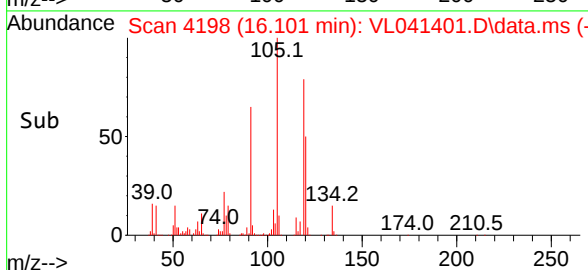
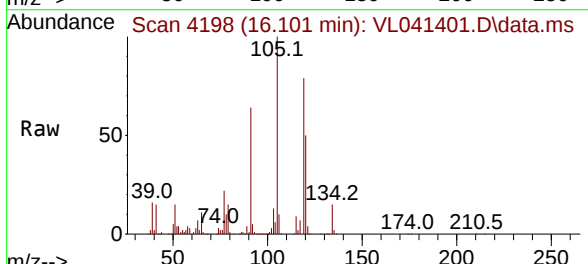
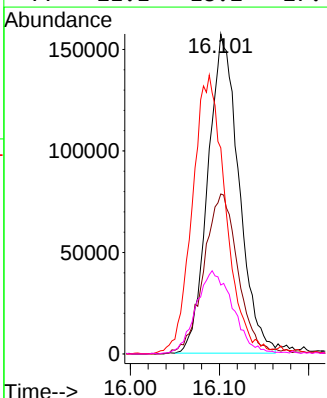
Manual Integrations
 APPROVED

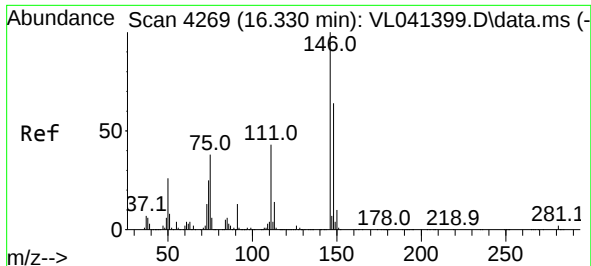
Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024



#74
 1,2,4-Trimethylbenzene
 Concen: 0.955 ppbv
 RT: 16.101 min Scan# 4198
 Delta R.T. -0.003 min
 Lab File: VL041401.D
 Acq: 25 Jul 2024 15:19

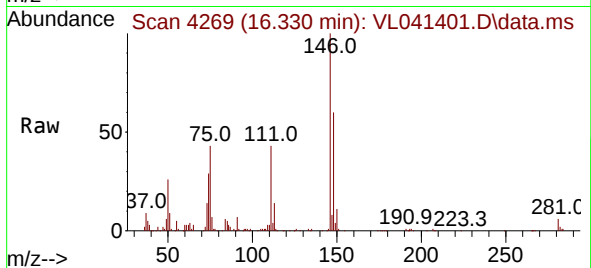
Tgt Ion:	105	Resp:	379183
Ion Ratio	Lower	Upper	
105	100		
120	48.9	39.5	59.3
91	63.1	39.8	59.8#
77	21.1	18.2	27.4





#75
1,3-Dichlorobenzene
Concen: 1.008 ppbv
RT: 16.330 min Scan# 4269
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

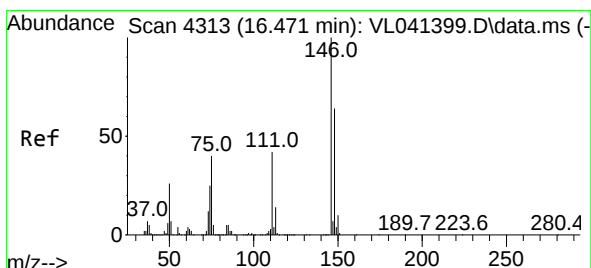
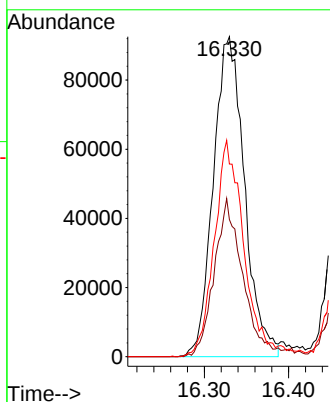
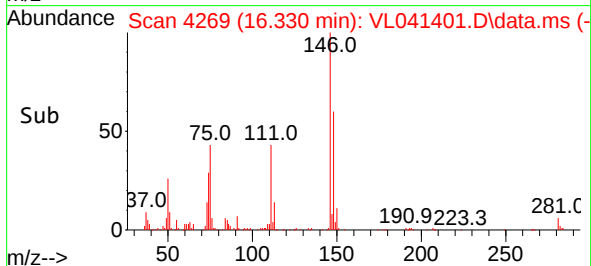
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



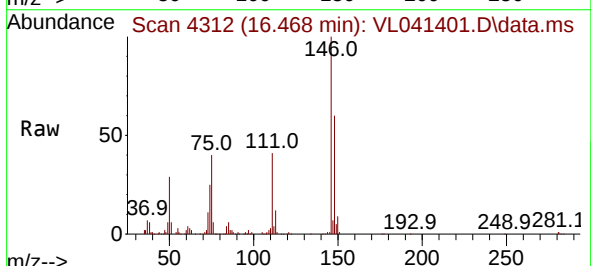
Tgt Ion:146 Resp: 23733
Ion Ratio Lower Upper
146 100
111 46.3 22.6 67.8
148 64.9 32.3 96.8

Manual Integrations
APPROVED

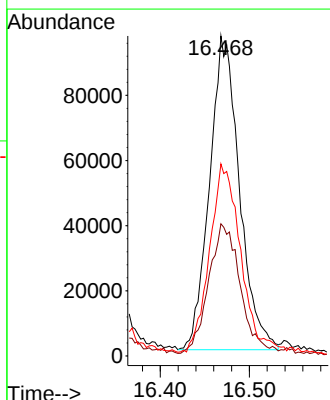
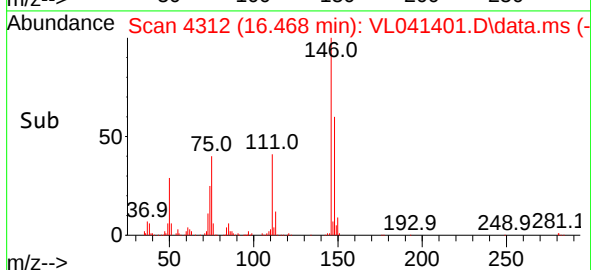
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024

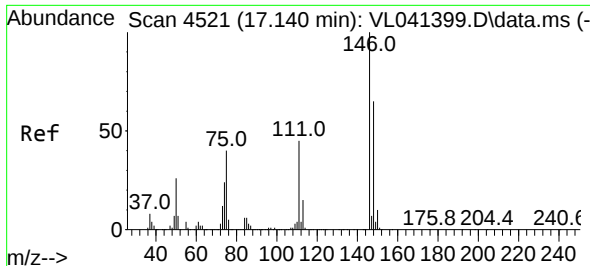


#76
1,4-Dichlorobenzene
Concen: 0.956 ppbv
RT: 16.468 min Scan# 4312
Delta R.T. -0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19



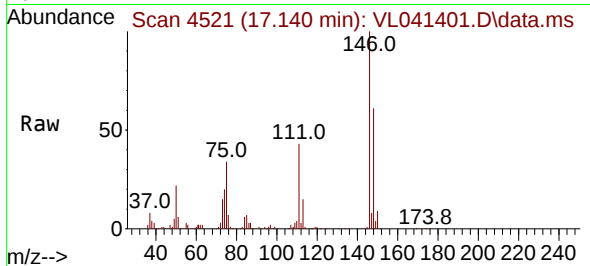
Tgt Ion:146 Resp: 224373
Ion Ratio Lower Upper
146 100
111 47.5 22.4 67.0
148 66.0 33.1 99.5





#77
1,2-Dichlorobenzene
Concen: 0.963 ppbv
RT: 17.140 min Scan# 4521
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

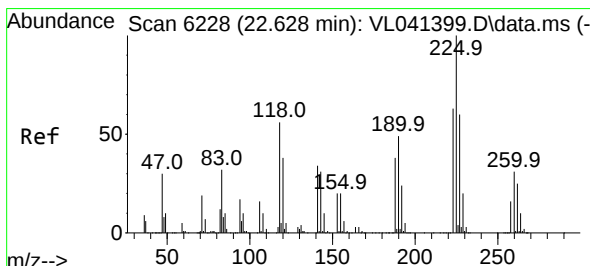
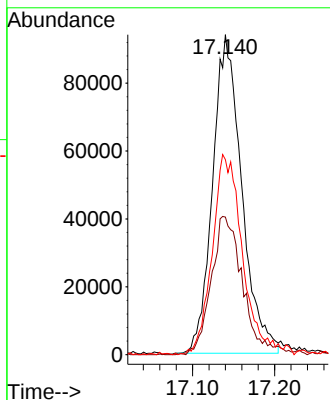
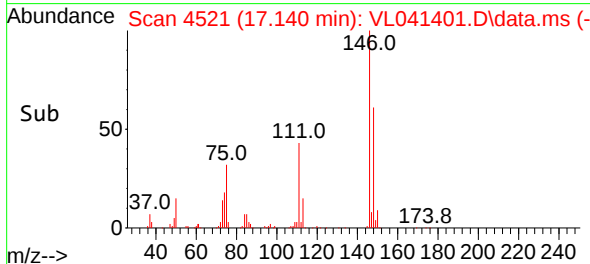
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



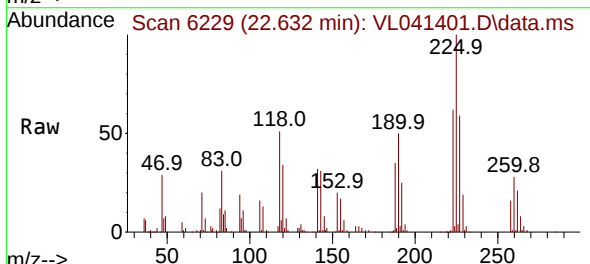
Tgt Ion:146 Resp: 23111
Ion Ratio Lower Upper
146 100
111 47.4 23.4 70.0
148 67.0 32.2 96.6

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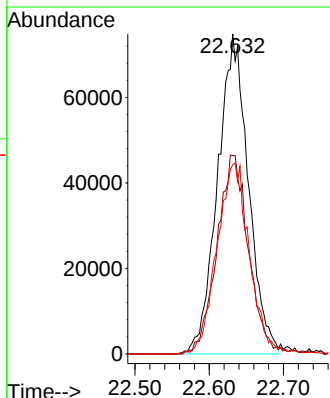
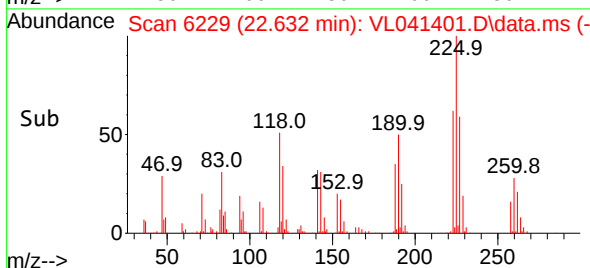
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024

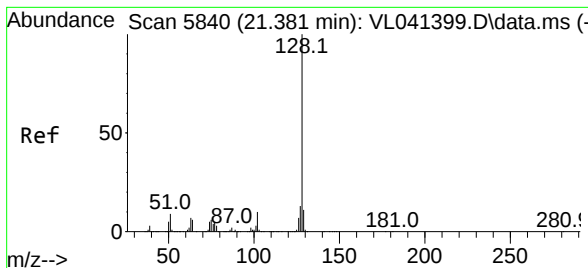


#78
Hexachloro-1,3-Butadiene
Concen: 1.232 ppbv
RT: 22.632 min Scan# 6229
Delta R.T. 0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19



Tgt Ion:225 Resp: 215079
Ion Ratio Lower Upper
225 100
223 64.5 50.6 76.0
227 63.0 50.8 76.2





#79

Naphthalene

Concen: 1.638 ppbv m

RT: 21.387 min Scan# 5840

Delta R.T. 0.007 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

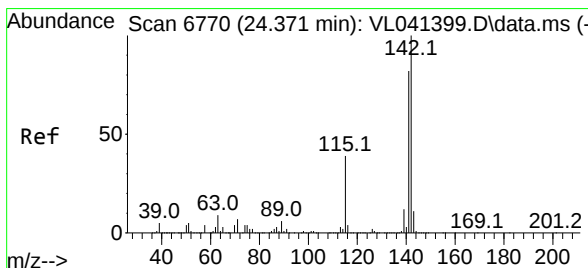
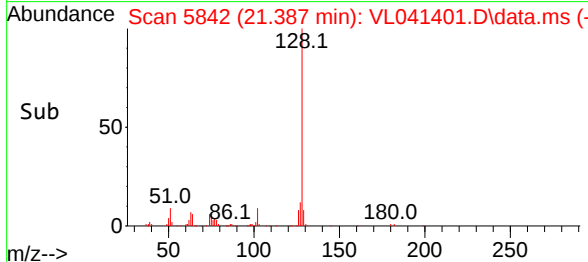
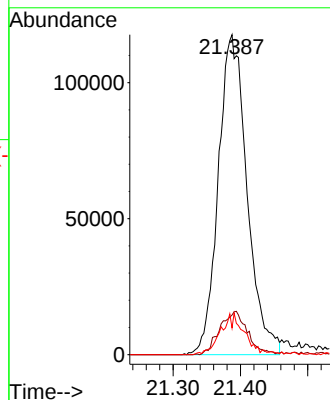
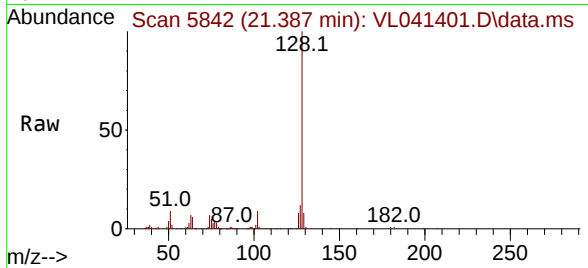
Tgt Ion:128 Resp: 349592

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.3	15.5
129	8.3	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: 375.304 ppbv

RT: 24.374 min Scan# 6771

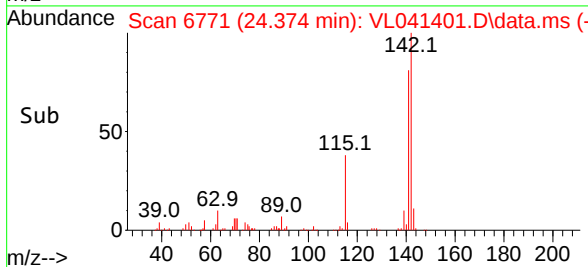
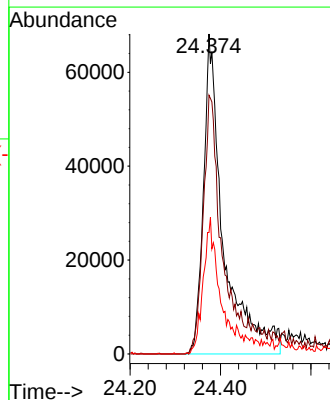
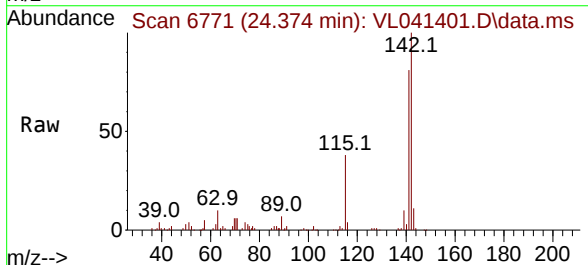
Delta R.T. 0.003 min

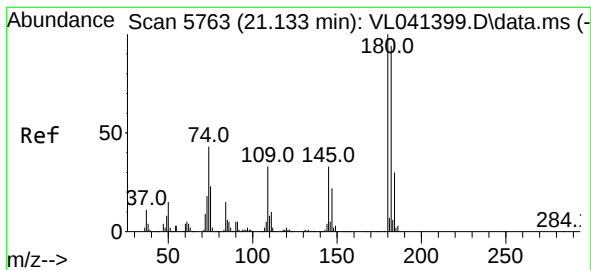
Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Tgt Ion:142 Resp: 210840

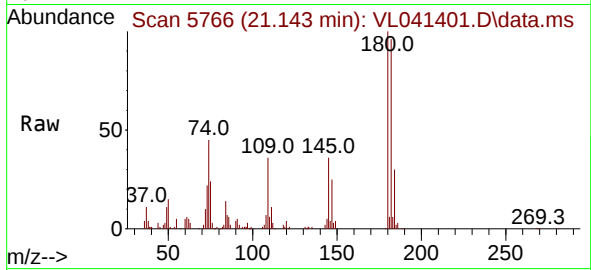
Ion	Ratio	Lower	Upper
142	100		
141	81.3	67.0	100.4
115	39.6	32.2	48.2





#81
1,2,4-Trichlorobenzene
Concen: 1.452 ppbv
RT: 21.143 min Scan# 51
Delta R.T. 0.010 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion:180 Resp: 191623
Ion Ratio Lower Upper
180 100
182 97.3 76.7 115.1
184 32.5 24.5 36.7

Manual Integrations
APPROVED

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

