

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072224\
 Data File : VL041381.D
 Acq On : 22 Jul 2024 10:30
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/24/2024
 Supervised By :Semsettin Yesilyurt 07/24/2024

Quant Time: Jul 23 03:10:50 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M

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

QLast Update : Tue Jul 23 02:50:01 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1047255	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.667	114	2765840	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2609523	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 1995778 10.204 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.774	85	1300355	7.277	ppbv	100
3) Chlorodifluoromethane	2.719	51	1667576	9.235	ppbv	99
4) Chloromethane	2.854	50	639425	9.266	ppbv	97
5) Vinyl Chloride	2.960	62	674518	9.045	ppbv	99
6) Bromomethane	3.156	94	223365	9.469	ppbv	96
7) Chloroethane	3.237	64	233825	9.491	ppbv	99
8) Dichlorotetrafluoroethane	2.896	85	1618349	9.317	ppbv	98
9) Propene	2.735	41	561014	8.978	ppbv	99
10) Heptane	7.590	43	1427707	9.728	ppbv	99
11) Trichlorofluoromethane	3.594	101	1557445	8.953	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.092	101	1107663	9.086	ppbv	99
13) Ethanol	3.282	45	98337m	7.094	ppbv	
14) Bromoethene	3.401	108	477529	9.765	ppbv	98
15) Acetone	3.500	43	1277492	9.236	ppbv	100
16) 1,3-Butadiene	3.025	39	659740	10.022	ppbv	98
17) tert-Butyl alcohol	3.909	59	1081659	10.137	ppbv	99
18) 1,1-Dichloroethene	3.909	96	487044	9.088	ppbv	97
19) Isopropyl Alcohol	3.610	45	670504	8.831	ppbv	100
20) Methylene Chloride	3.963	84	419077	8.350	ppbv	99
21) Allyl Chloride	4.024	41	788833	9.455	ppbv	100
22) trans-1,2-Dichloroethene	4.471	96	500426	9.401	ppbv	98
23) Vinyl Acetate	4.651	43	1451439	10.646	ppbv	98
24) 1,1-Dichloroethane	4.587	63	1085718	9.185	ppbv	100
25) Ethyl Acetate	5.227	43	2404581	9.441	ppbv	100
26) Hexane	5.230	57	1035275	9.180	ppbv	96
27) Carbon Disulfide	4.150	76	1340496	9.769	ppbv	99
28) Methyl tert-Butyl Ether	4.610	73	784445	9.378	ppbv	99
29) Chloroform	5.295	83	1639021	9.420	ppbv	98
30) Cyclohexane	6.616	84	893104	9.941	ppbv	99
31) cis-1,2-Dichloroethene	5.098	61	1059900	9.803	ppbv	97
32) 1,1,1-Trichloroethane	6.018	97	1639170	8.975	ppbv	99
34) 2-Butanone	4.809	43	1467260	10.053	ppbv	100
35) Carbon Tetrachloride	6.510	117	1697206	9.292	ppbv	97
36) Benzene	6.388	78	2224317	9.717	ppbv	99
37) 1,2-Dichloroethane	5.825	62	1280782	9.752	ppbv	99
38) Trichloroethene	7.304	130	862750	8.652	ppbv	99
39) 1,2-Dichloropropane	7.089	63	857909	9.699	ppbv	96
40) 1,4-Dioxane	7.301	88	201660m	7.111	ppbv	
41) Tetrahydrofuran	5.577	42	896883	9.921	ppbv	99
42) Bromodichloromethane	7.259	83	1847193	10.052	ppbv	97
43) Methyl Methacrylate	7.487	69	903644	10.508	ppbv	99
44) 2,2,4-Trimethylpentane	7.339	57	3675562	9.449	ppbv	100
45) t-1,3-Dichloropropene	8.716	75	674785	12.398	ppbv	96

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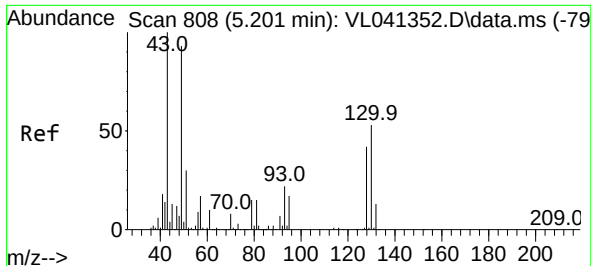
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Tue Jul 23 02:50:01 2024

Response via : Initial Calibration

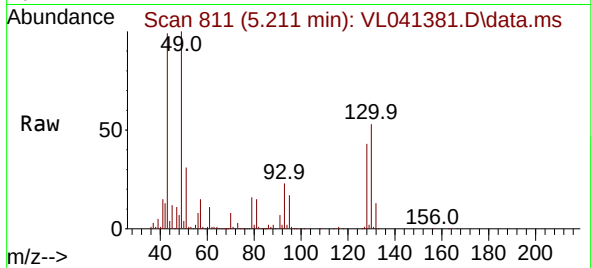
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	837356	11.442	ppbv	96
47) 1,1,2-Trichloroethane	8.909	97	916923	9.664	ppbv	98
48) Dibromochloromethane	9.716	129	1550262	10.175	ppbv	100
49) Bromoform	12.407	173	1276307	10.518	ppbv	99
50) 4-Methyl-2-Pentanone	8.188	43	2339607	9.982	ppbv	99
51) 2-Hexanone	9.558	43	1653101	9.922	ppbv #	100
52) Tetrachloroethene	10.619	164	781152	8.498	ppbv	96
53) Toluene	9.227	91	2597389	10.061	ppbv	99
54) 1,2-Dibromoethane	10.011	107	1230833	10.483	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.510	131	1131392	9.635	ppbv	97
57) Chlorobenzene	11.526	112	1976899	9.657	ppbv	98
58) Ethyl Benzene	12.088	91	3493015	10.005	ppbv	98
59) m/p-Xylene	12.371	91	5897078m	19.517	ppbv	
60) o-Xylene	13.059	91	2795465	9.803	ppbv	99
61) Styrene	12.899	104	1482778	10.707	ppbv	99
62) Isopropylbenzene	14.031	105	4143718	9.412	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.047	83	1951542	8.687	ppbv	99
64) n-propylbenzene	14.915	120	1102169	9.591	ppbv	98
65) tert-Butylbenzene	16.088	119	3704559	9.451	ppbv	100
66) Benzyl Chloride	16.323	91	283300	10.999	ppbv	99
67) sec-Butylbenzene	16.635	105	5281948	9.527	ppbv	100
69) p-Isopropyltoluene	16.992	119	4397098	9.603	ppbv	100
70) n-Butylbenzene	17.882	91	4637187	9.908	ppbv	100
71) 2-Chlorotoluene	14.799	91	3167758	9.686	ppbv	99
72) 4-Ethyltoluene	15.191	105	3357000	9.884	ppbv	99
73) 1,3,5-Trimethylbenzene	15.349	105	2881020	9.910	ppbv	98
74) 1,2,4-Trimethylbenzene	16.104	105	3219478	9.828	ppbv #	92
75) 1,3-Dichlorobenzene	16.326	146	1926623	9.914	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	1902904	9.828	ppbv	99
77) 1,2-Dichlorobenzene	17.143	146	1874607	9.462	ppbv	99
78) Hexachloro-1,3-Butadiene	22.631	225	1371004	9.514	ppbv	100
79) Naphthalene	21.384	128	3096401	17.575	ppbv	99
80) Naphthalene,2-methyl-	24.381	142	76579	165.153	ppbv #	48
81) 1,2,4-Trichlorobenzene	21.140	180	1539006	14.133	ppbv	100

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

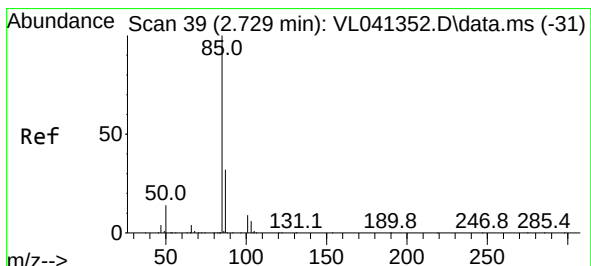
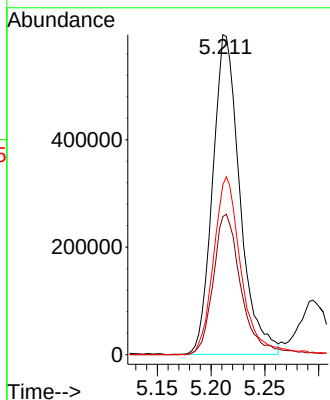
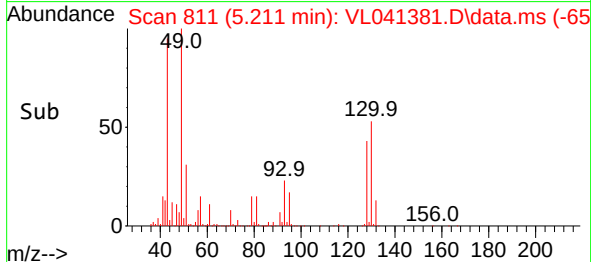
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 49 Resp: 104725
Ion Ratio Lower Upper
49 100
128 46.0 22.8 68.3
130 57.5 28.9 86.7

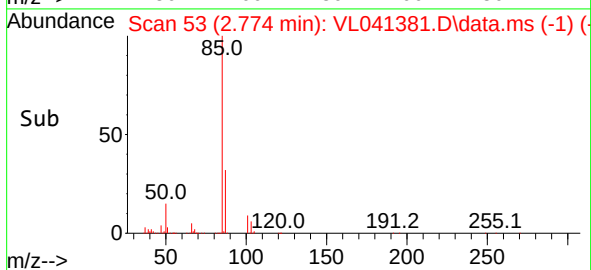
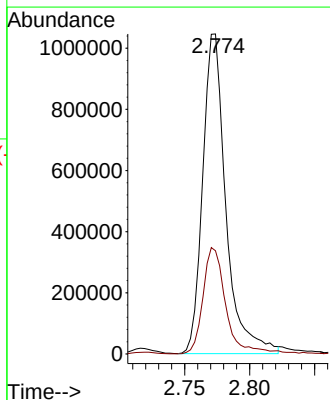
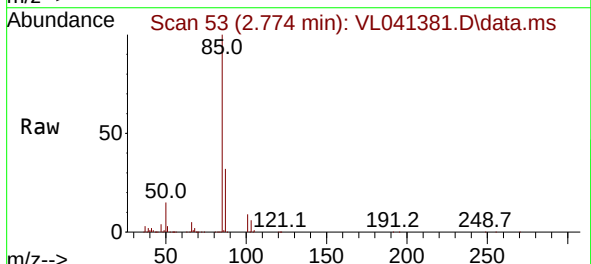
Manual Integrations
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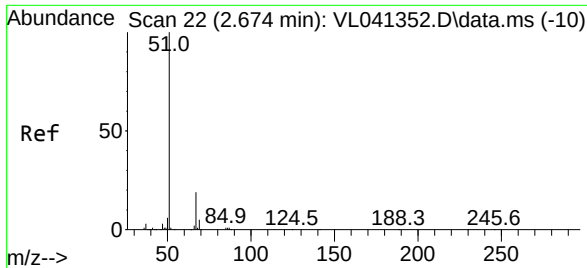
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#2
Dichlorodifluoromethane
Concen: 7.277 ppbv
RT: 2.774 min Scan# 53
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

Tgt Ion: 85 Resp: 1300355
Ion Ratio Lower Upper
85 100
87 32.3 25.9 38.9





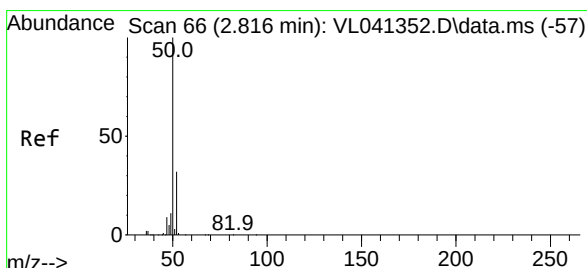
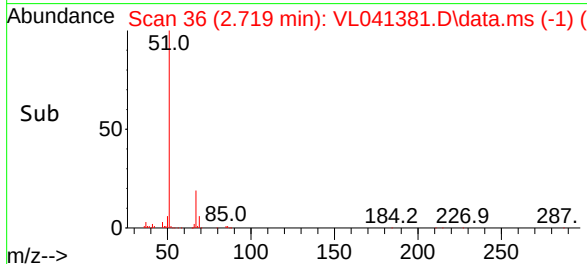
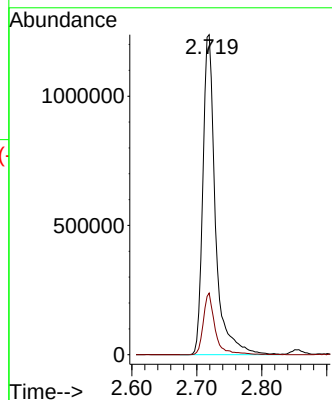
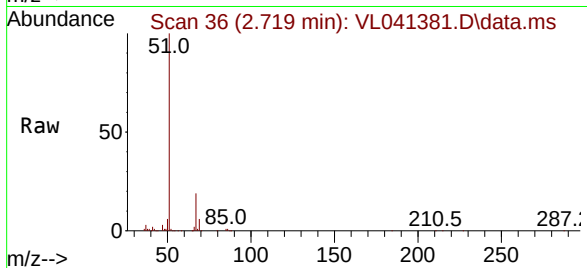
#3
Chlorodifluoromethane
Concen: 9.235 ppbv
RT: 2.719 min Scan# 30
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1667570
Ion Ratio Lower Upper
51 100
67 18.1 14.3 21.5

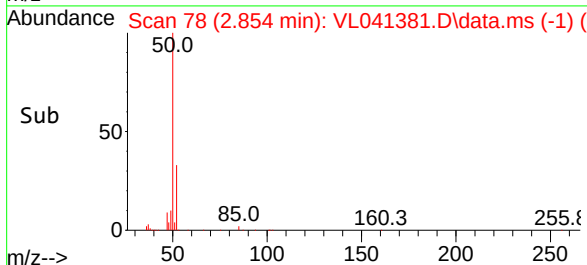
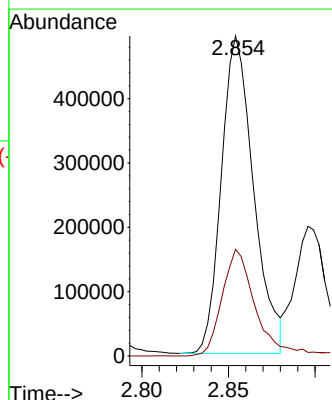
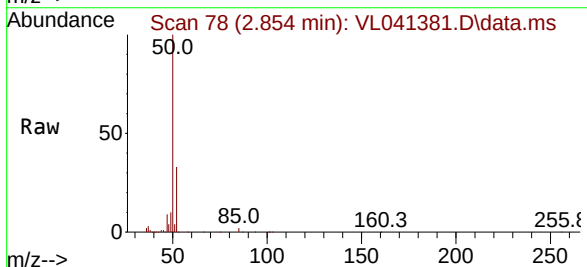
Manual Integrations
APPROVED

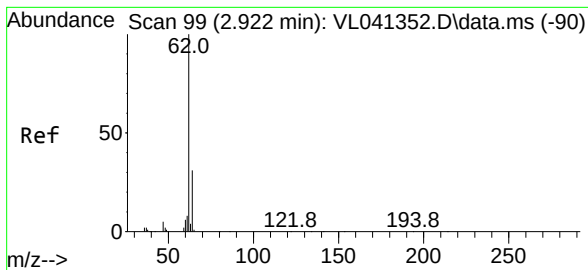
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#4
Chloromethane
Concen: 9.266 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

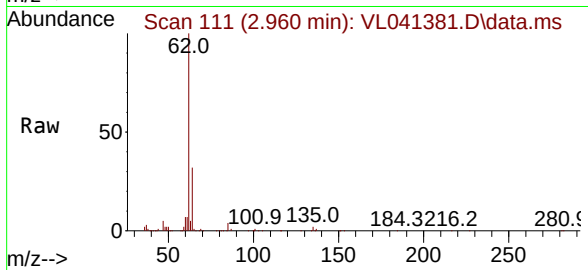
Tgt Ion: 50 Resp: 639425
Ion Ratio Lower Upper
50 100
52 33.6 25.6 38.4





#5
 Vinyl Chloride
 Concen: 9.045 ppbv
 RT: 2.960 min Scan# 111
 Delta R.T. 0.000 min
 Lab File: VL041381.D
 Acq: 22 Jul 2024 10:30

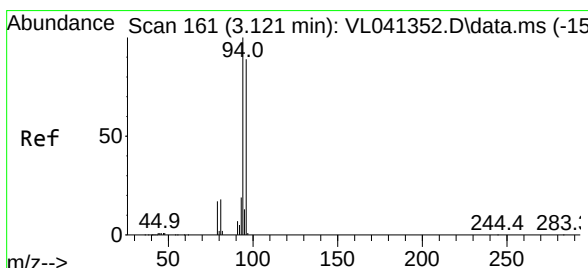
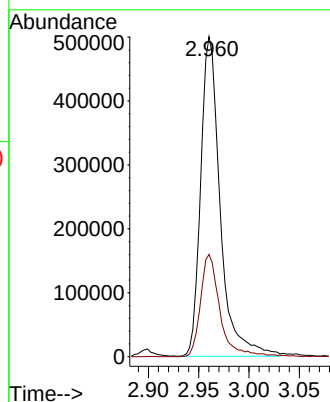
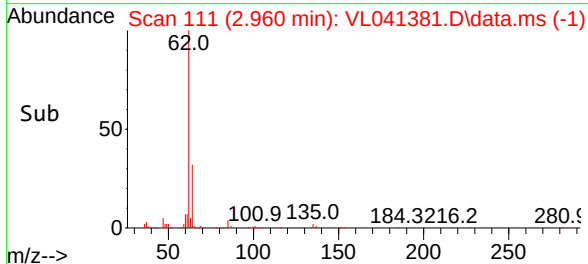
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



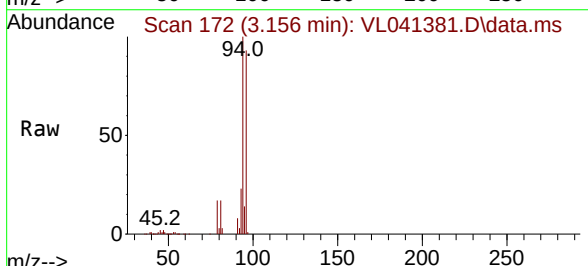
Tgt Ion: 62 Resp: 674518
 Ion Ratio Lower Upper
 62 100
 64 32.0 25.0 37.6

Manual Integrations
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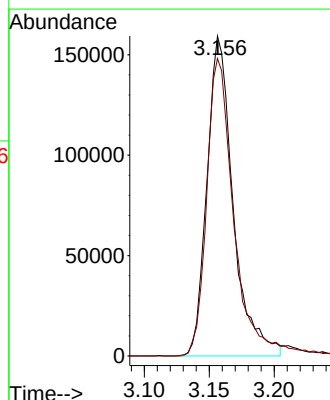
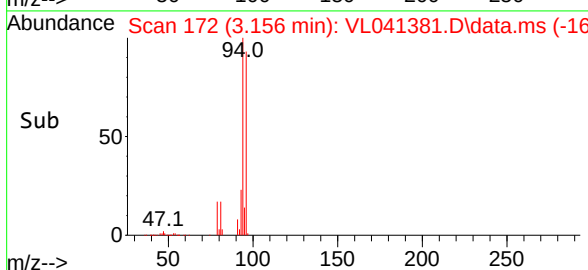
Reviewed By :Mahesh Dadoda 07/24/2024
 Supervised By :Semsettin Yesilyurt 07/24/2024

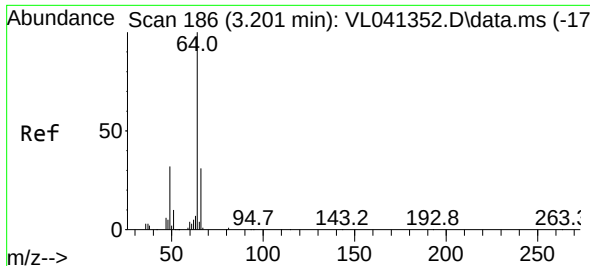


#6
 Bromomethane
 Concen: 9.469 ppbv
 RT: 3.156 min Scan# 172
 Delta R.T. 0.000 min
 Lab File: VL041381.D
 Acq: 22 Jul 2024 10:30



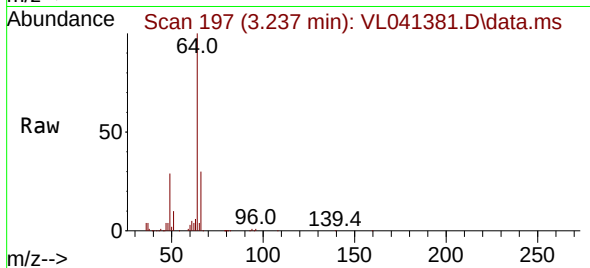
Tgt Ion: 94 Resp: 223365
 Ion Ratio Lower Upper
 94 100
 96 92.8 71.0 106.4





#7
Chloroethane
Concen: 9.491 ppbv
RT: 3.237 min Scan# 19
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

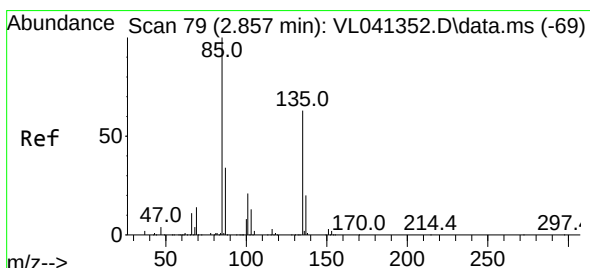
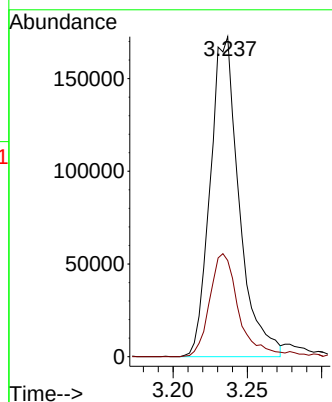
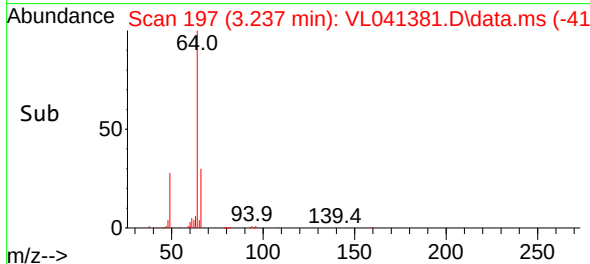
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



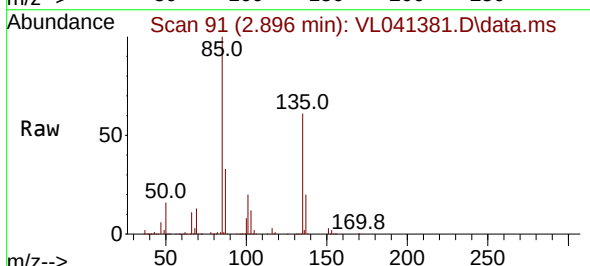
Tgt Ion: 64 Resp: 233825
Ion Ratio Lower Upper
64 100
66 30.1 24.6 36.8

Manual Integrations
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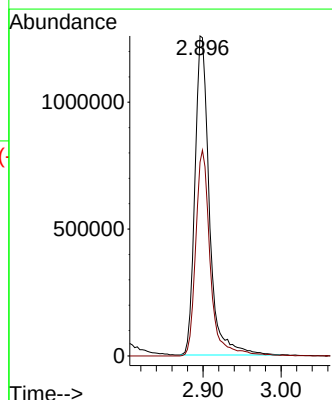
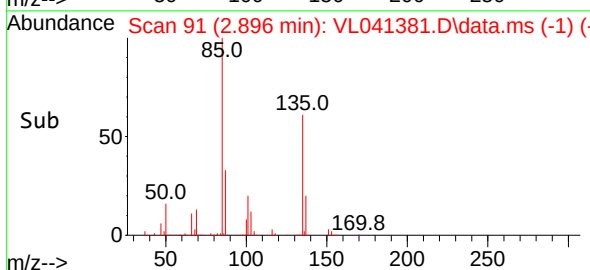
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

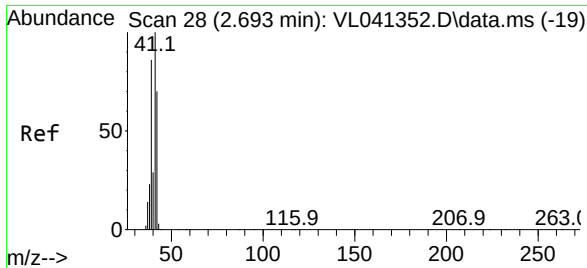


#8
Dichlorotetrafluoroethane
Concen: 9.317 ppbv
RT: 2.896 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30



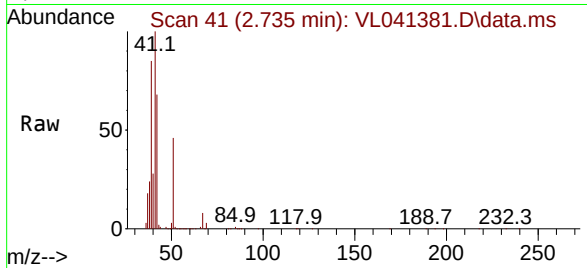
Tgt Ion: 85 Resp: 1618349
Ion Ratio Lower Upper
85 100
135 65.4 53.7 80.5





#9
Propene
Concen: 8.978 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

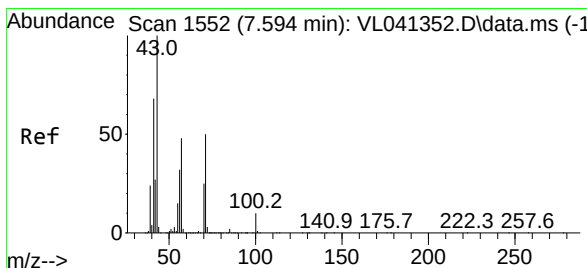
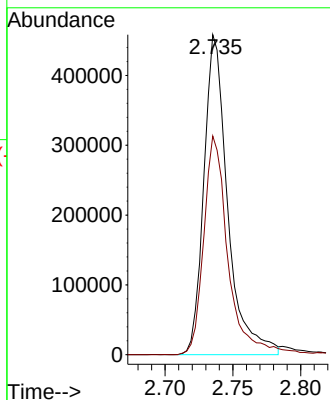
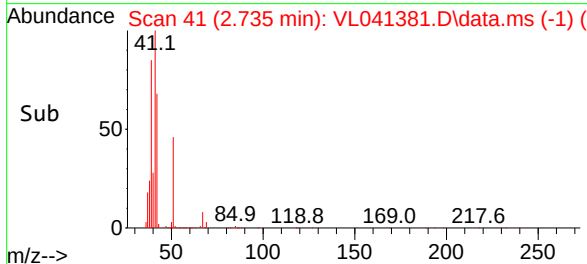
Instrument :
MSVOA_L
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VSTDCCC010



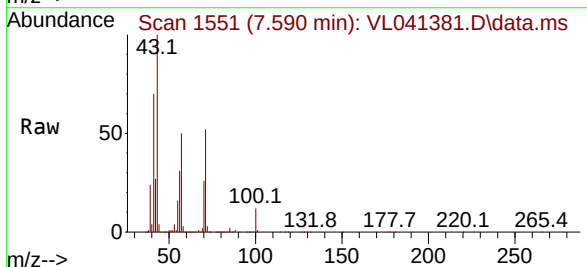
Tgt Ion: 41 Resp: 561014
Ion Ratio Lower Upper
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42 70.6 55.8 83.8

Manual Integrations
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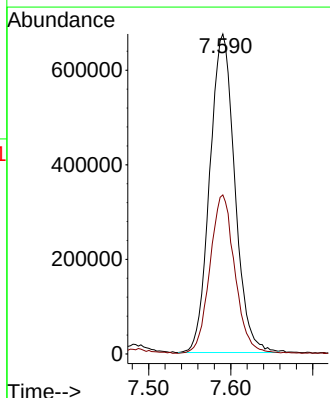
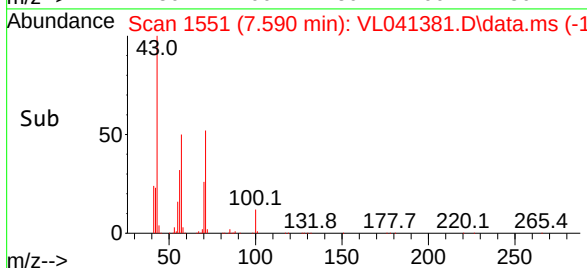
Reviewed By :Mahesh Dadoda 07/24/2024
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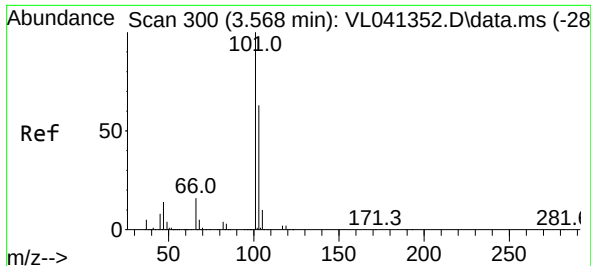


#10
Heptane
Concen: 9.728 ppbv
RT: 7.590 min Scan# 1551
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30



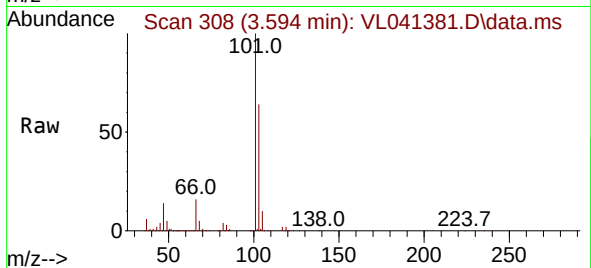
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Ion Ratio Lower Upper
43 100
57 49.5 40.3 60.5





#11
Trichlorofluoromethane
Concen: 8.953 ppbv
RT: 3.594 min Scan# 300
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

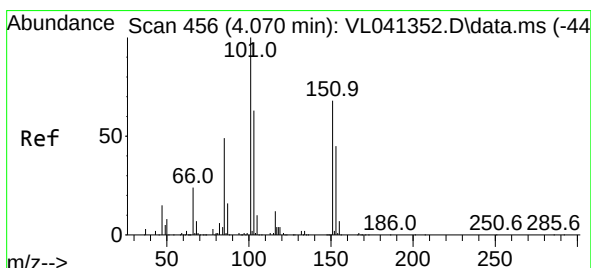
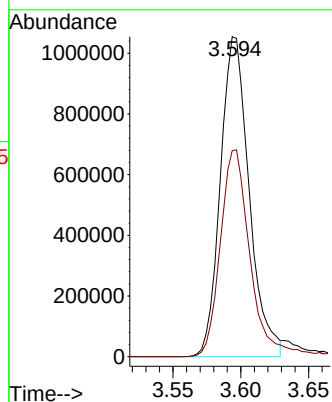
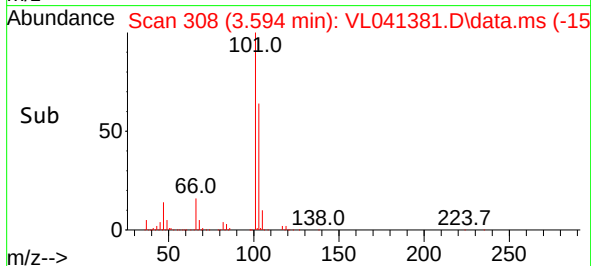
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



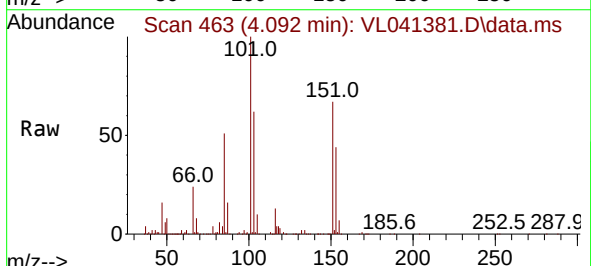
Tgt Ion:101 Resp: 155744
Ion Ratio Lower Upper
101 100
103 64.4 50.5 75.7

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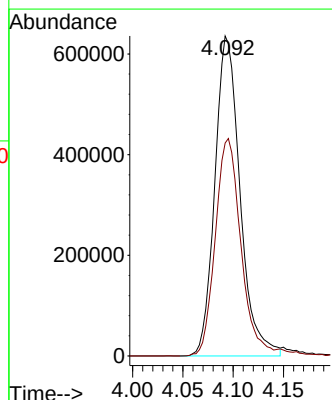
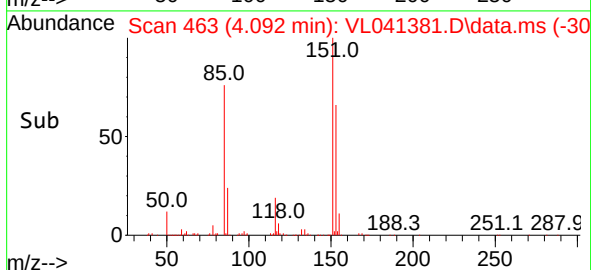
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

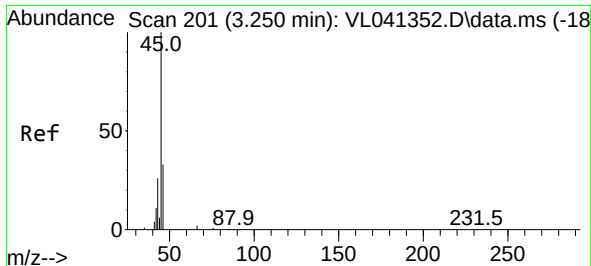


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.086 ppbv
RT: 4.092 min Scan# 463
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30



Tgt Ion:101 Resp: 1107663
Ion Ratio Lower Upper
101 100
151 70.8 57.0 85.6





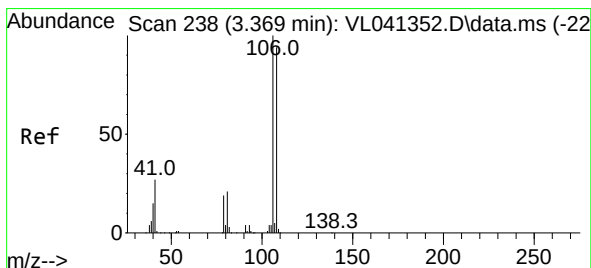
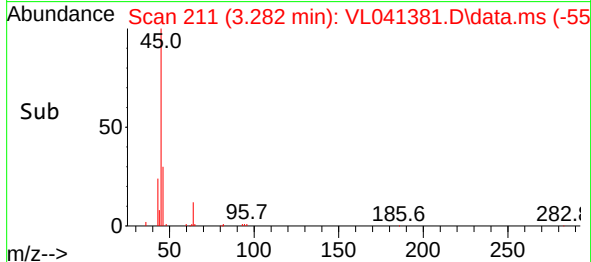
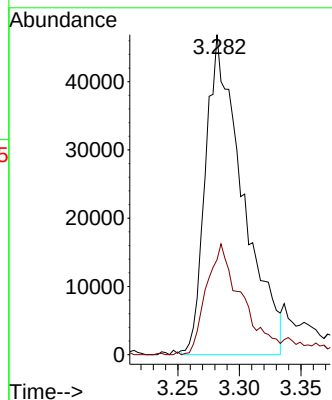
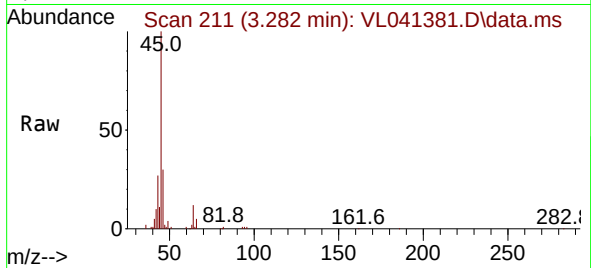
#13
Ethanol
Concen: 7.094 ppbv m
RT: 3.282 min Scan# 211
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 9833
Ion Ratio Lower Upper
45 100
46 38.8 13.3 53.3

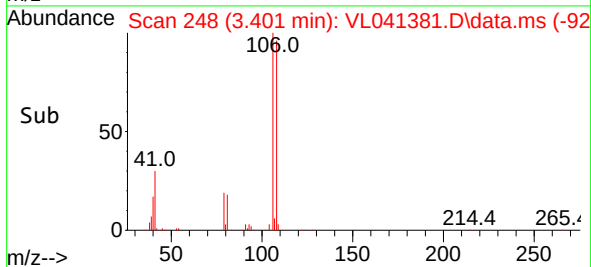
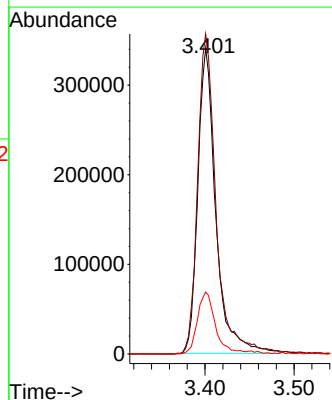
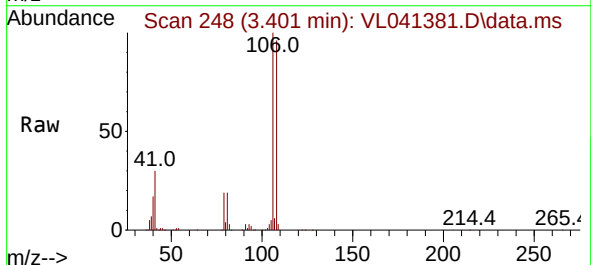
Manual Integrations
APPROVED

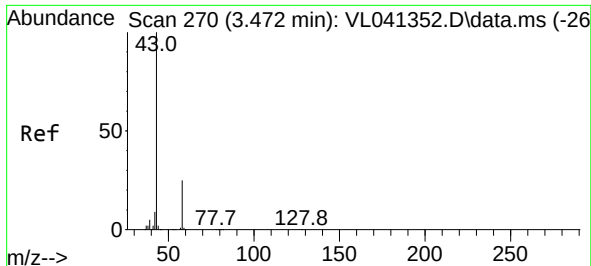
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#14
Bromoethene
Concen: 9.765 ppbv
RT: 3.401 min Scan# 248
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

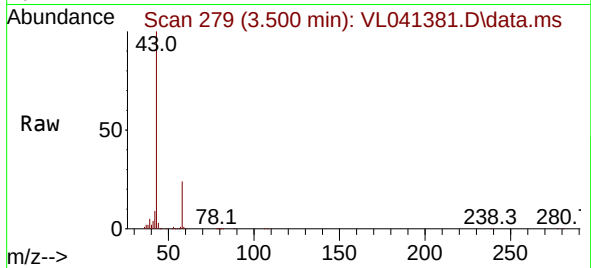
Tgt Ion:108 Resp: 477529
Ion Ratio Lower Upper
108 100
106 109.4 85.5 128.3
79 21.1 16.3 24.5





#15
Acetone
Concen: 9.236 ppbv
RT: 3.500 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

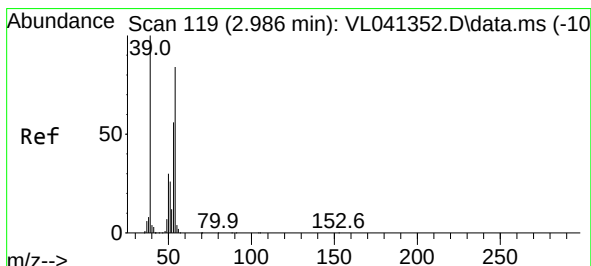
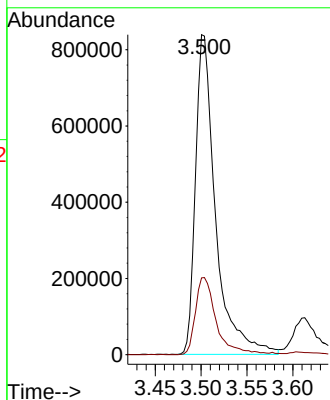
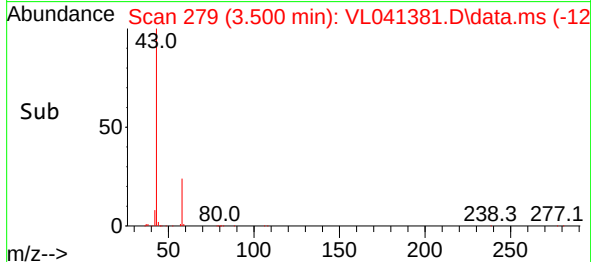
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 1277492
Ion Ratio Lower Upper
43 100
58 25.3 20.3 30.5

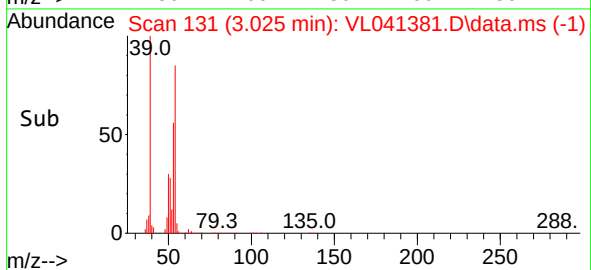
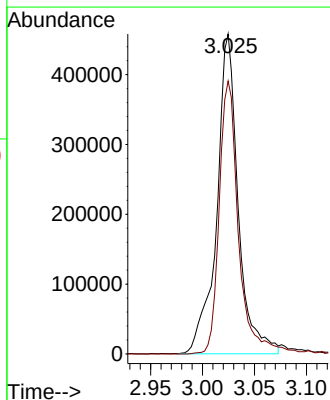
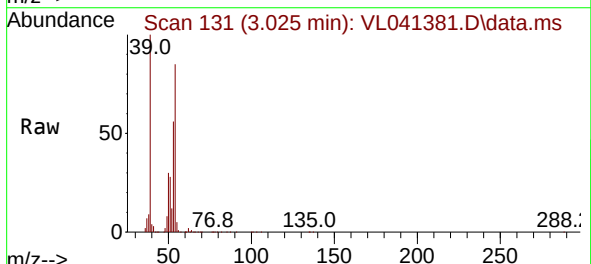
Manual Integrations
APPROVED

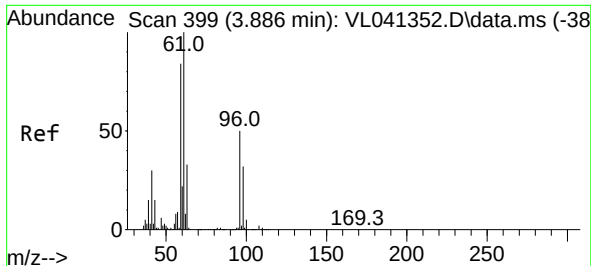
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#16
1,3-Butadiene
Concen: 10.022 ppbv
RT: 3.025 min Scan# 131
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

Tgt Ion: 39 Resp: 659740
Ion Ratio Lower Upper
39 100
54 77.4 60.5 90.7





#17

tert-Butyl alcohol

Concen: 10.137 ppbv

RT: 3.909 min Scan# 406

Delta R.T. 0.000 min

Lab File: VL041381.D

Acq: 22 Jul 2024 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 1081659

Ion Ratio Lower Upper

59 100

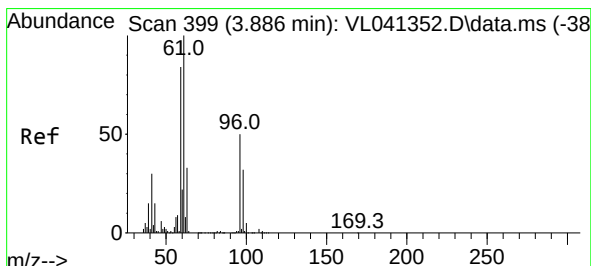
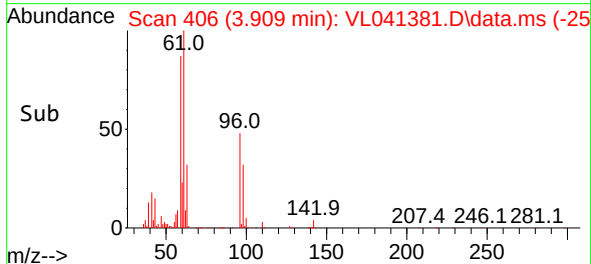
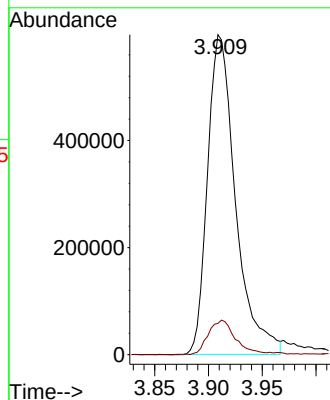
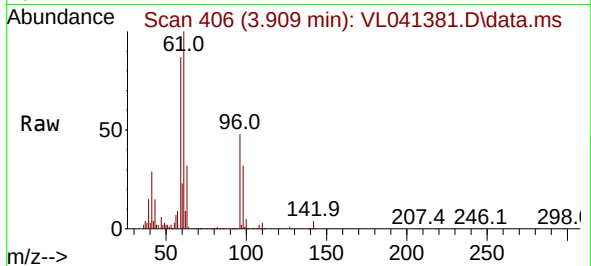
57 10.9 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/24/2024

Supervised By :Semsettin Yesilyurt 07/24/2024



#18

1,1-Dichloroethene

Concen: 9.088 ppbv

RT: 3.909 min Scan# 406

Delta R.T. 0.000 min

Lab File: VL041381.D

Acq: 22 Jul 2024 10:30

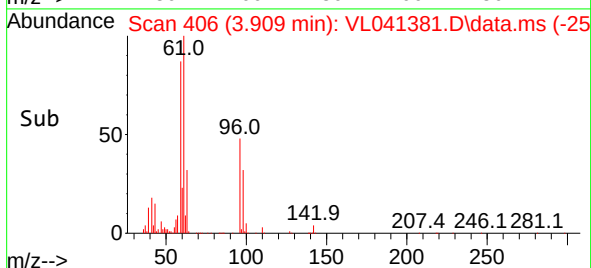
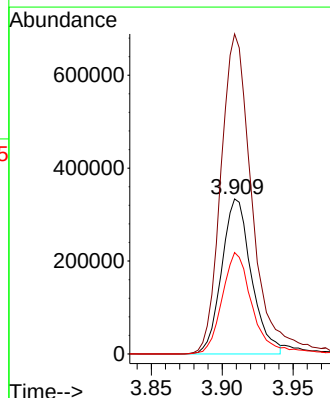
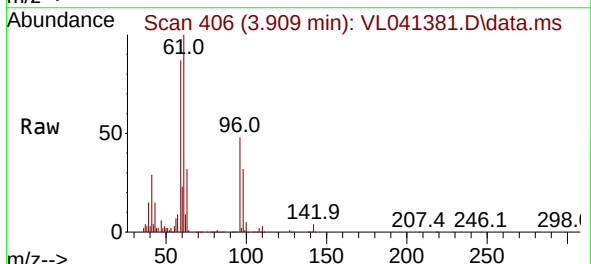
Tgt Ion: 96 Resp: 487044

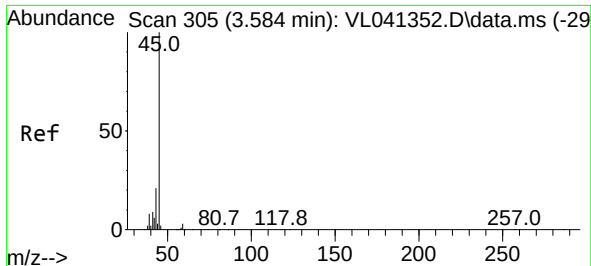
Ion Ratio Lower Upper

96 100

61 206.4 160.3 240.5

98 65.4 51.6 77.4





#19

Isopropyl Alcohol

Concen: 8.831 ppbv

RT: 3.610 min Scan# 313

Delta R.T. 0.000 min

Lab File: VL041381.D

Acq: 22 Jul 2024 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 45 Resp: 670504

Ion Ratio Lower Upper

45 100

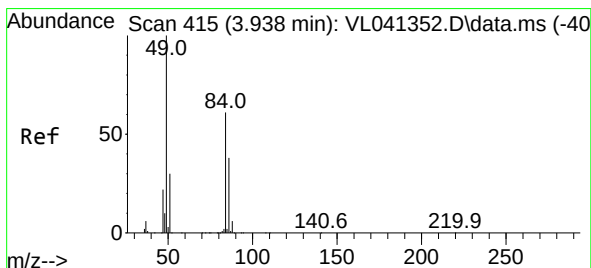
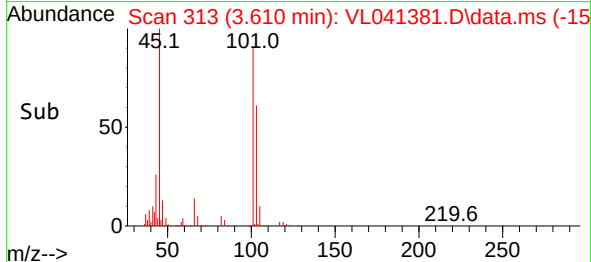
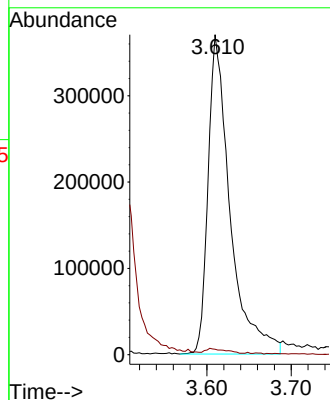
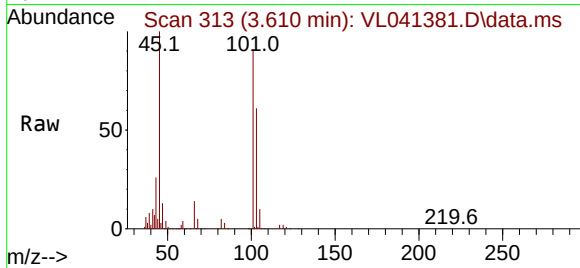
58 1.9 1.6 2.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/24/2024

Supervised By :Semsettin Yesilyurt 07/24/2024



#20

Methylene Chloride

Concen: 8.350 ppbv

RT: 3.963 min Scan# 423

Delta R.T. 0.000 min

Lab File: VL041381.D

Acq: 22 Jul 2024 10:30

Tgt Ion: 84 Resp: 419077

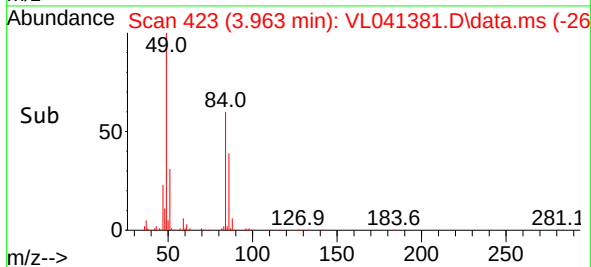
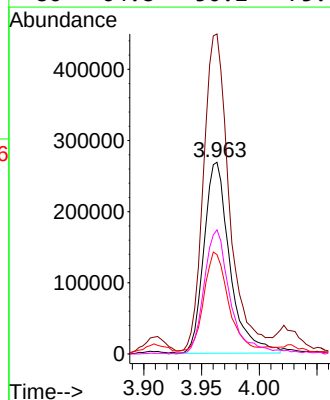
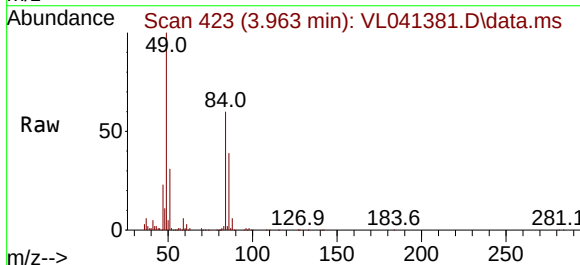
Ion Ratio Lower Upper

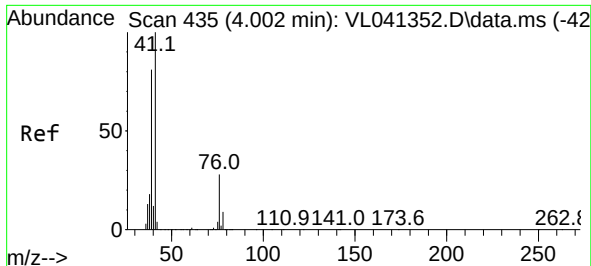
84 100

49 166.1 131.8 197.6

51 50.5 39.6 59.4

86 64.8 50.2 75.4





#21

Allyl Chloride

Concen: 9.455 ppbv

RT: 4.024 min Scan# 44

Delta R.T. 0.000 min

Lab File: VL041381.D

Acq: 22 Jul 2024 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 78883

Ion Ratio Lower Upper

41 100

76 28.8 23.3 34.9

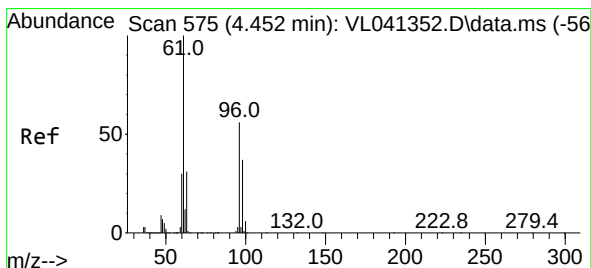
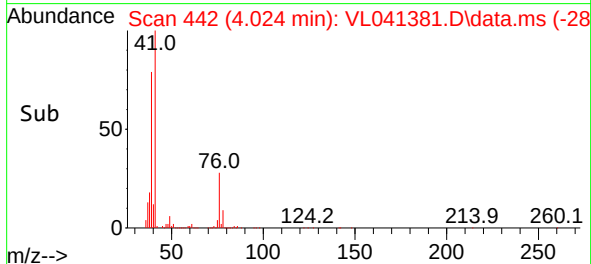
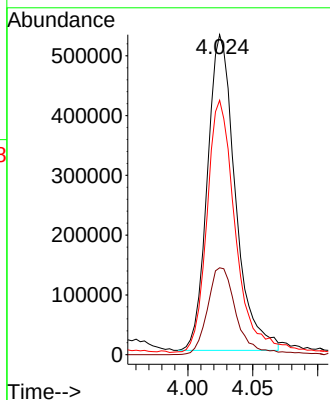
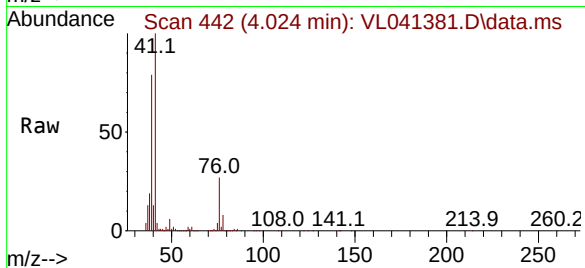
39 82.4 66.0 99.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/24/2024

Supervised By :Semsettin Yesilyurt 07/24/2024



#22

trans-1,2-Dichloroethene

Concen: 9.401 ppbv

RT: 4.471 min Scan# 581

Delta R.T. 0.000 min

Lab File: VL041381.D

Acq: 22 Jul 2024 10:30

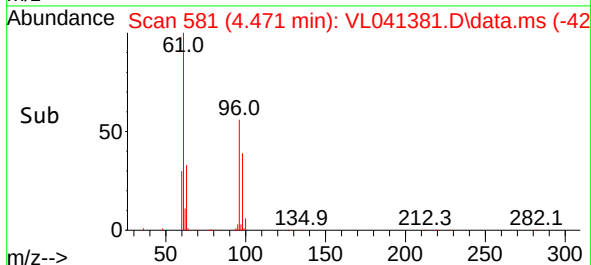
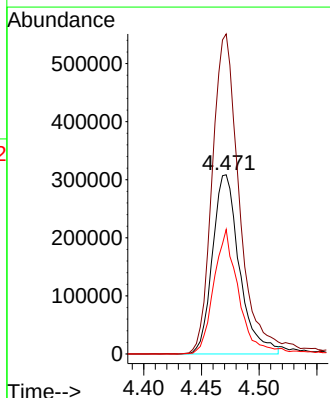
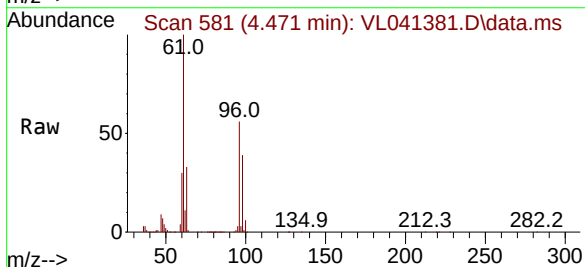
Tgt Ion: 96 Resp: 500426

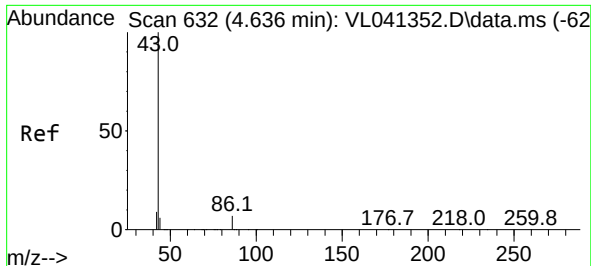
Ion Ratio Lower Upper

96 100

61 178.7 142.0 213.0

98 69.5 52.2 78.2





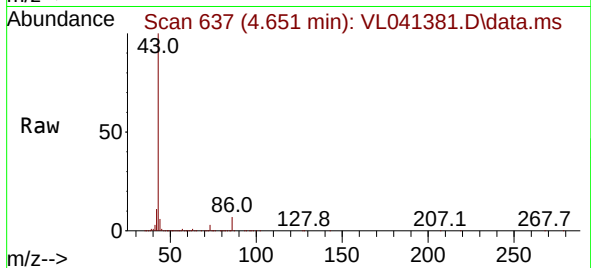
#23
 Vinyl Acetate
 Concen: 10.646 ppbv
 RT: 4.651 min Scan# 617
 Delta R.T. 0.000 min
 Lab File: VL041381.D
 Acq: 22 Jul 2024 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

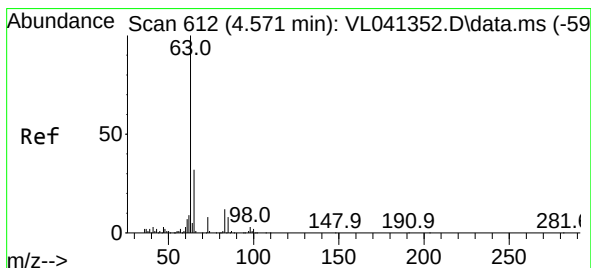
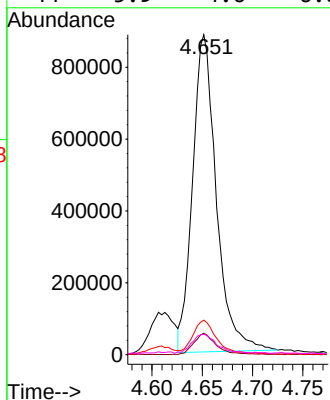
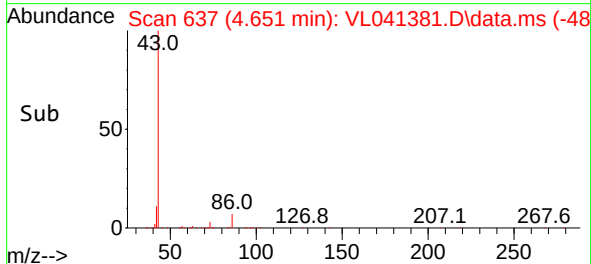


Tgt Ion: 43 Resp: 1451439
 Ion Ratio Lower Upper
 43 100
 86 6.7 5.0 7.4
 42 10.7 7.9 11.9
 44 5.9 4.6 6.8

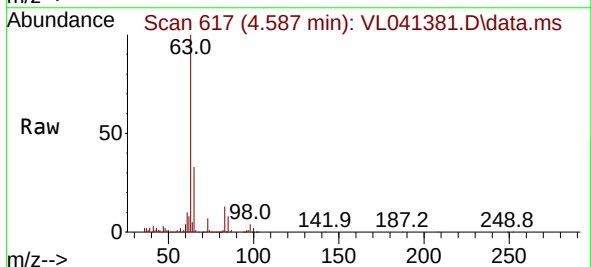
Manual Integrations

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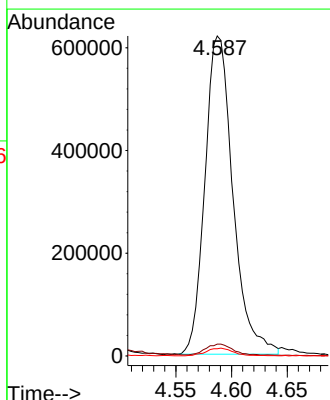
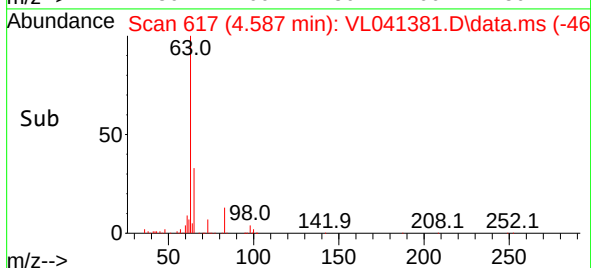
Reviewed By :Mahesh Dadoda 07/24/2024
 Supervised By :Semsettin Yesilyurt 07/24/2024

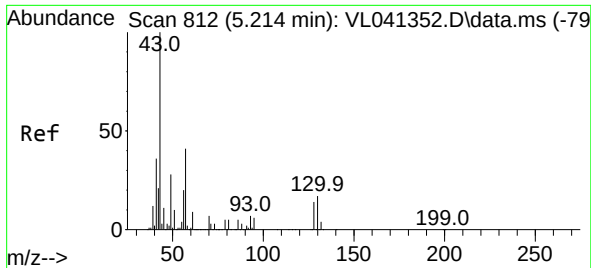


#24
 1,1-Dichloroethane
 Concen: 9.185 ppbv
 RT: 4.587 min Scan# 617
 Delta R.T. 0.000 min
 Lab File: VL041381.D
 Acq: 22 Jul 2024 10:30



Tgt Ion: 63 Resp: 1085718
 Ion Ratio Lower Upper
 63 100
 98 3.4 1.8 5.4
 100 2.2 1.1 3.3





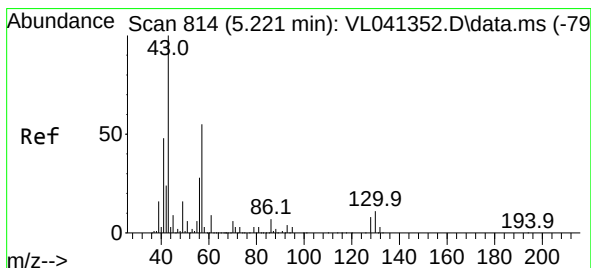
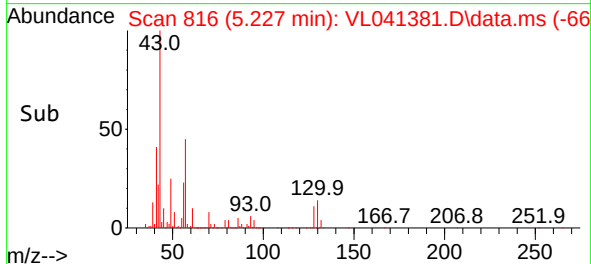
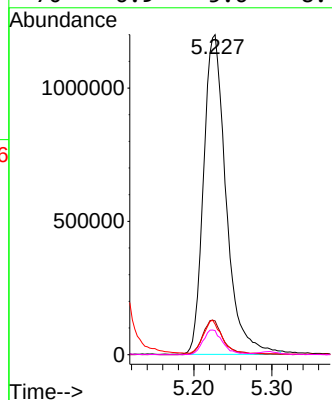
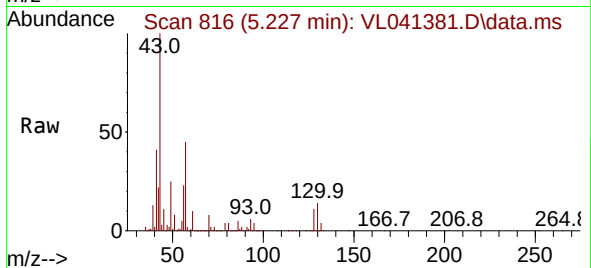
#25
Ethyl Acetate
Concen: 9.441 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 240458
Ion Ratio Lower Upper
43 100
45 10.2 8.3 12.5
61 9.4 7.7 11.5
70 6.9 5.6 8.4

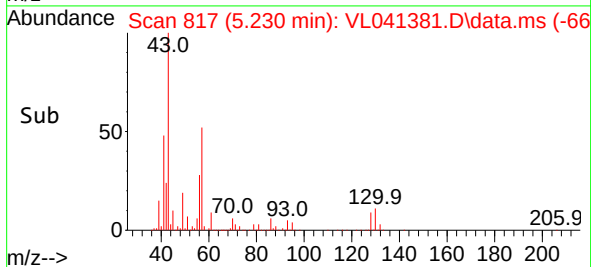
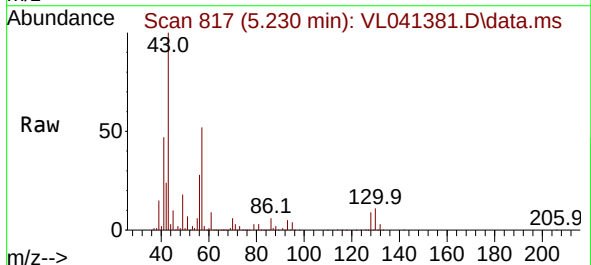
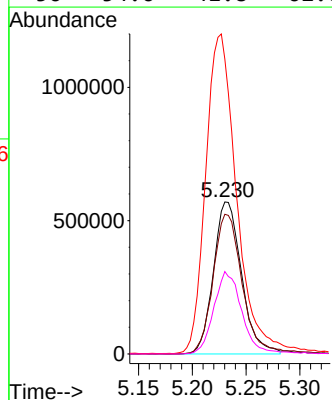
Manual Integrations
APPROVED

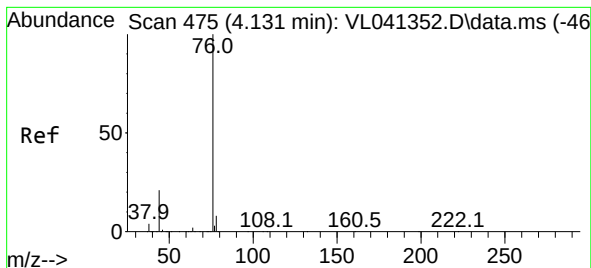
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#26
Hexane
Concen: 9.180 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

Tgt Ion: 57 Resp: 1035275
Ion Ratio Lower Upper
57 100
41 96.2 73.7 110.5
43 234.8 182.2 273.2
56 54.6 41.8 62.6





#27

Carbon Disulfide

Concen: 9.769 ppbv

RT: 4.150 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041381.D

Acq: 22 Jul 2024 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 76 Resp: 1340490

Ion Ratio Lower Upper

76 100

44 21.7 17.4 26.2

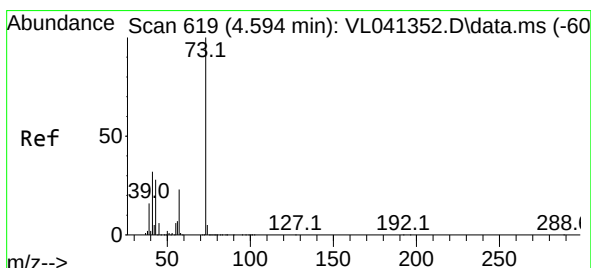
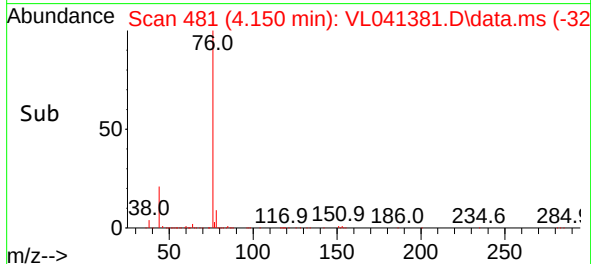
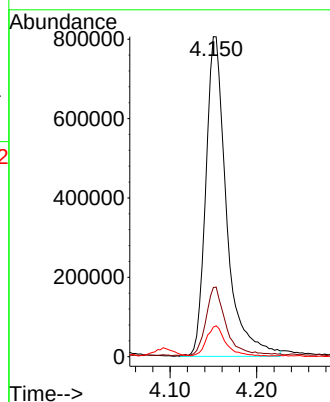
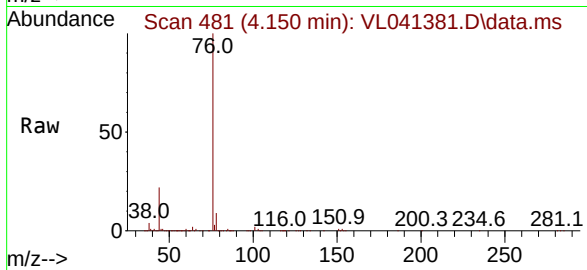
78 9.9 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/24/2024

Supervised By :Semsettin Yesilyurt 07/24/2024



#28

Methyl tert-Butyl Ether

Concen: 9.378 ppbv

RT: 4.610 min Scan# 624

Delta R.T. 0.000 min

Lab File: VL041381.D

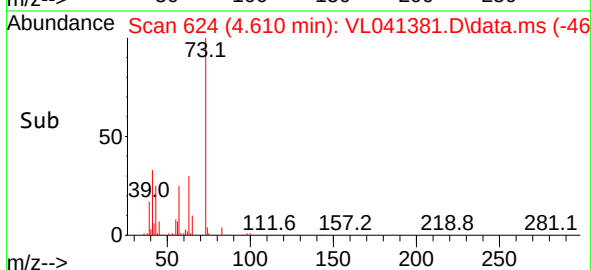
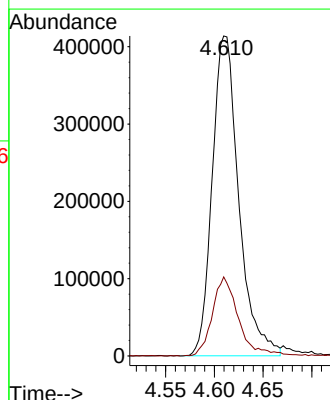
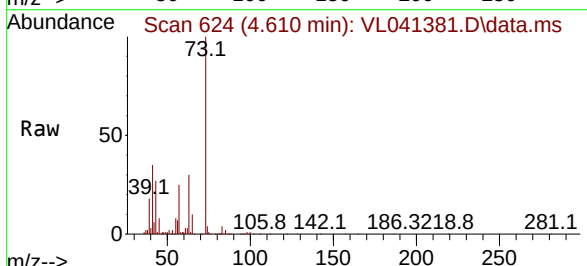
Acq: 22 Jul 2024 10:30

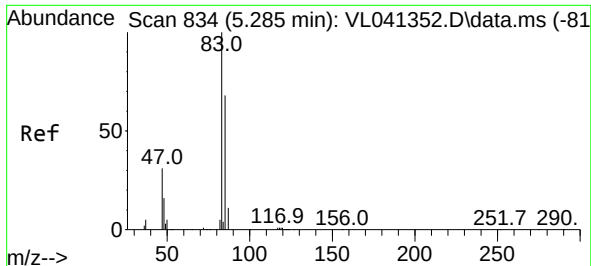
Tgt Ion: 73 Resp: 784445

Ion Ratio Lower Upper

73 100

57 24.4 19.9 29.9





#29

Chloroform

Concen: 9.420 ppbv

RT: 5.295 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041381.D

Acq: 22 Jul 2024 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 163902

Ion Ratio Lower Upper

83 100

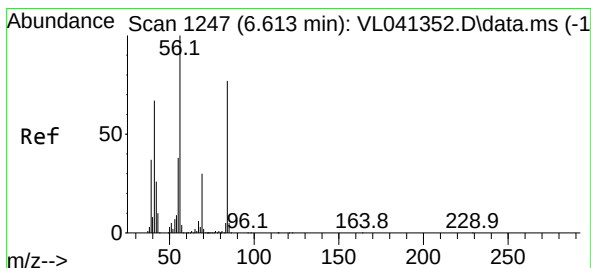
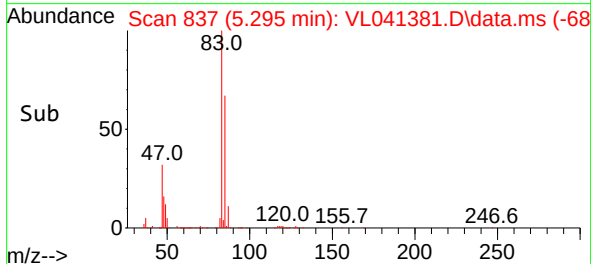
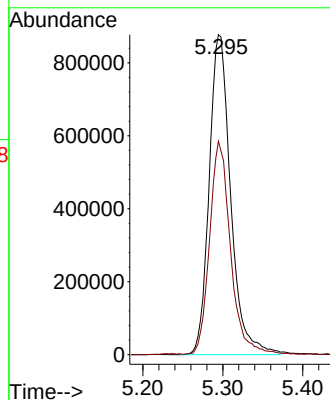
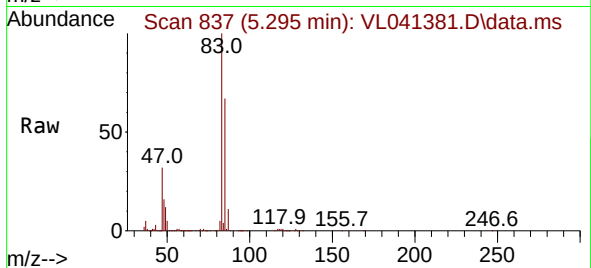
85 66.4 54.2 81.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/24/2024

Supervised By :Semsettin Yesilyurt 07/24/2024



#30

Cyclohexane

Concen: 9.941 ppbv

RT: 6.616 min Scan# 1248

Delta R.T. 0.000 min

Lab File: VL041381.D

Acq: 22 Jul 2024 10:30

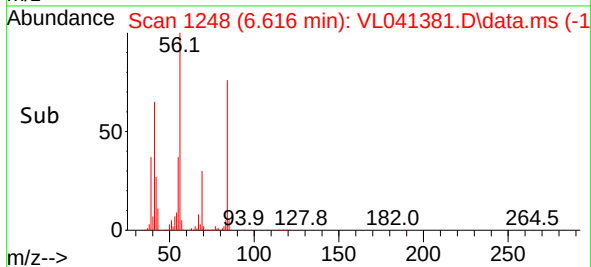
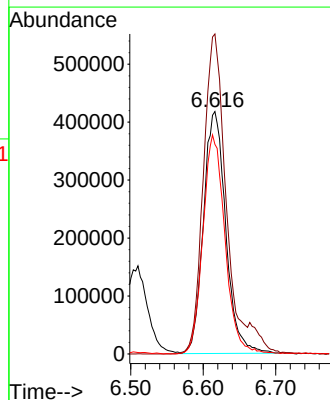
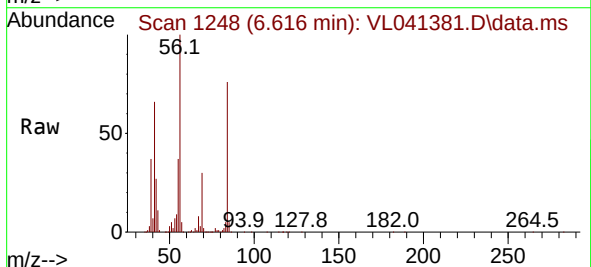
Tgt Ion: 84 Resp: 893104

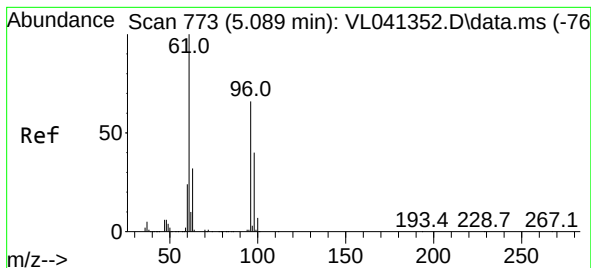
Ion Ratio Lower Upper

84 100

56 138.7 112.4 168.6

41 89.7 72.7 109.1





#31

cis-1,2-Dichloroethene

Concen: 9.803 ppbv

RT: 5.098 min Scan# 71

Delta R.T. 0.000 min

Lab File: VL041381.D

Acq: 22 Jul 2024 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 61 Resp: 1059900

Ion Ratio Lower Upper

61 100

96 61.7 52.6 79.0

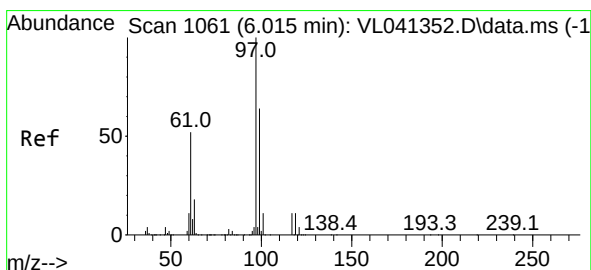
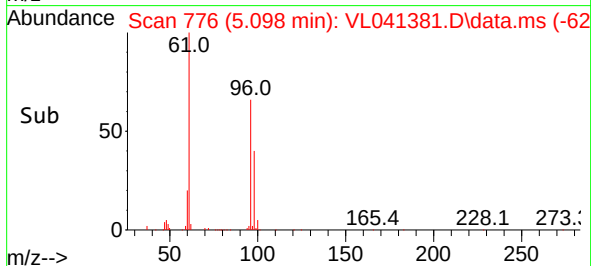
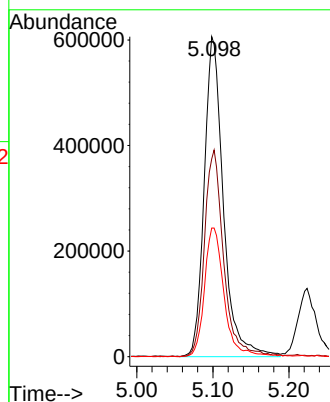
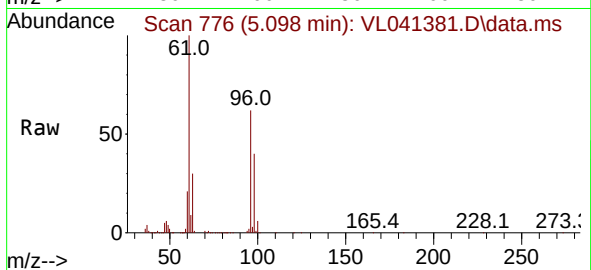
98 40.2 32.3 48.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/24/2024

Supervised By :Semsettin Yesilyurt 07/24/2024



#32

1,1,1-Trichloroethane

Concen: 8.975 ppbv

RT: 6.018 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VL041381.D

Acq: 22 Jul 2024 10:30

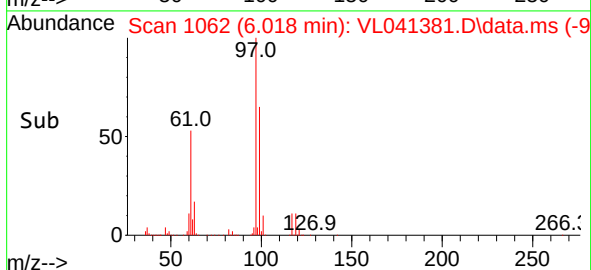
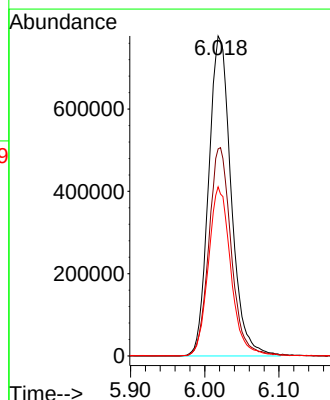
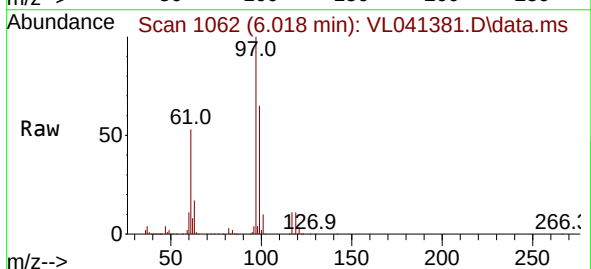
Tgt Ion: 97 Resp: 1639170

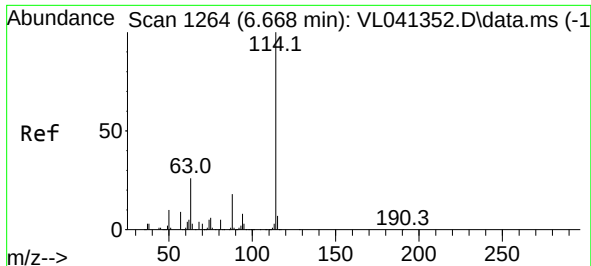
Ion Ratio Lower Upper

97 100

99 64.9 52.0 78.0

61 52.7 43.0 64.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.667 min Scan# 114

Delta R.T. 0.000 min

Lab File: VL041381.D

Acq: 22 Jul 2024 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:114 Resp: 2765840

Ion Ratio Lower Upper

114 100

63 25.6 20.6 31.0

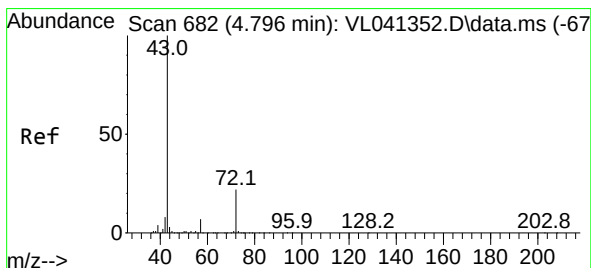
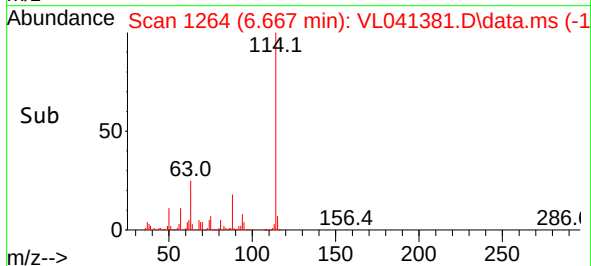
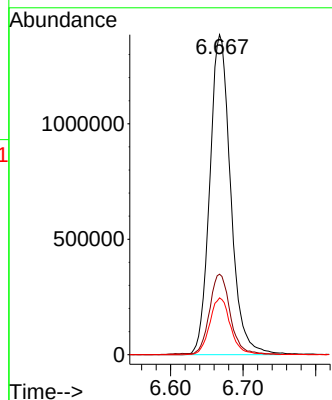
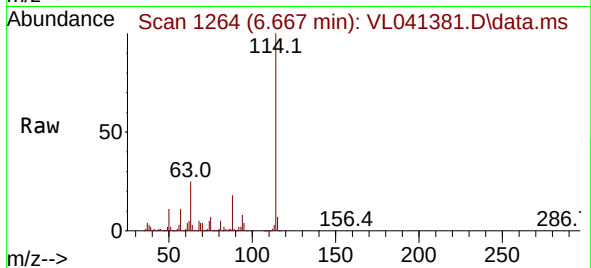
88 17.8 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/24/2024

Supervised By :Semsettin Yesilyurt 07/24/2024



#34

2-Butanone

Concen: 10.053 ppbv

RT: 4.809 min Scan# 686

Delta R.T. 0.000 min

Lab File: VL041381.D

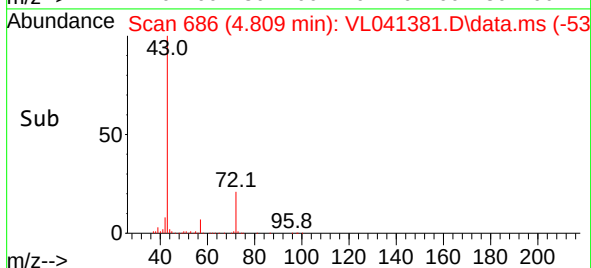
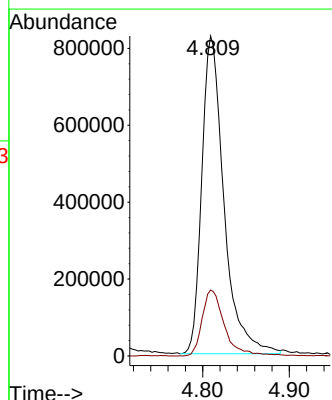
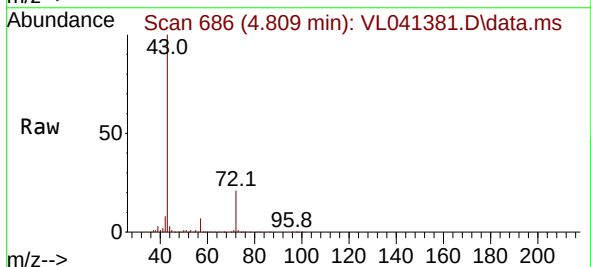
Acq: 22 Jul 2024 10:30

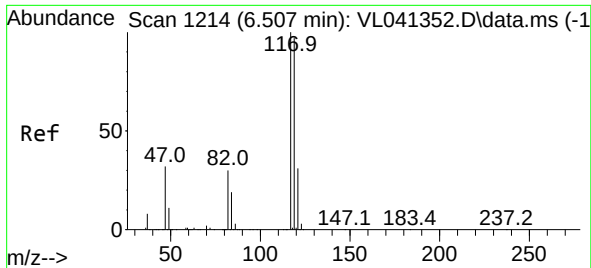
Tgt Ion: 43 Resp: 1467260

Ion Ratio Lower Upper

43 100

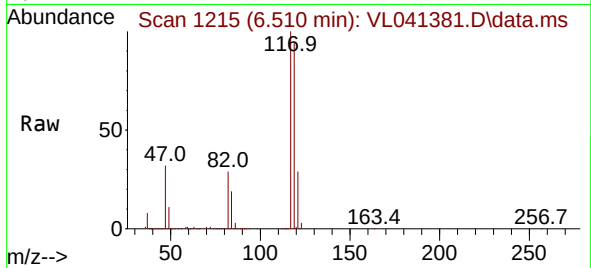
72 21.3 17.2 25.8





#35
Carbon Tetrachloride
Concen: 9.292 ppbv
RT: 6.510 min Scan# 117
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

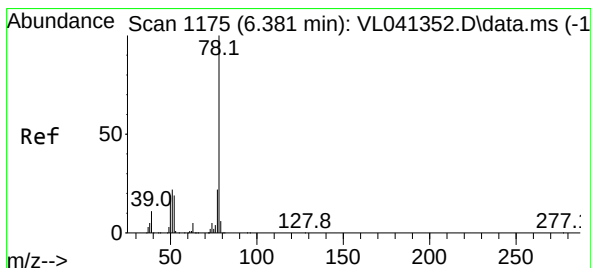
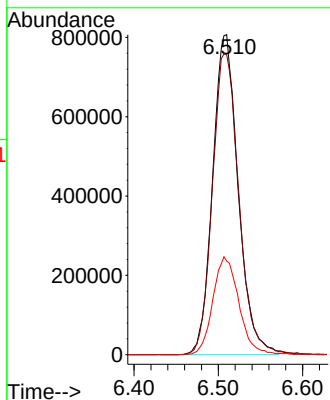
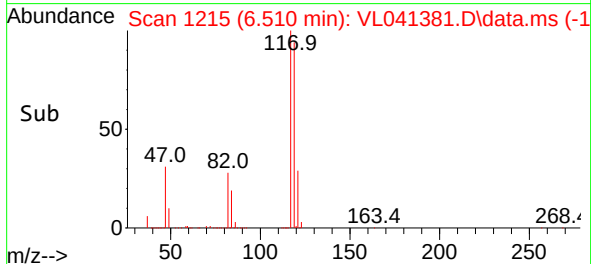
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



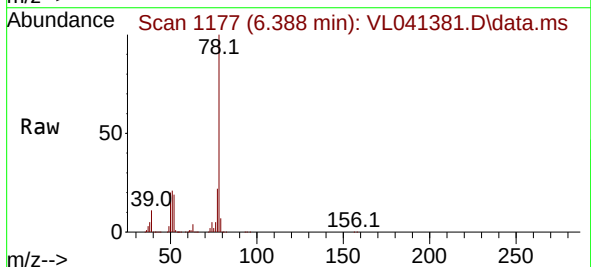
Tgt Ion: 117 Resp: 1697200
Ion Ratio Lower Upper
117 100
119 93.8 77.2 115.8
121 29.2 25.2 37.8

Manual Integrations
APPROVED

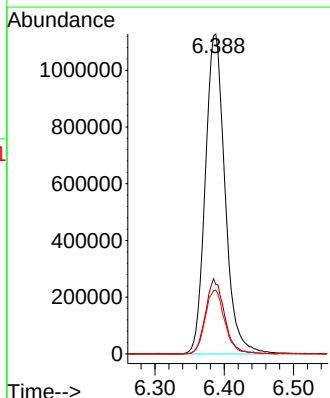
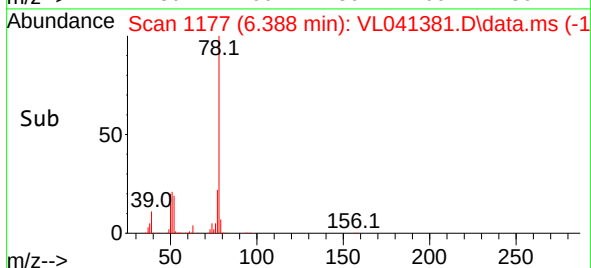
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

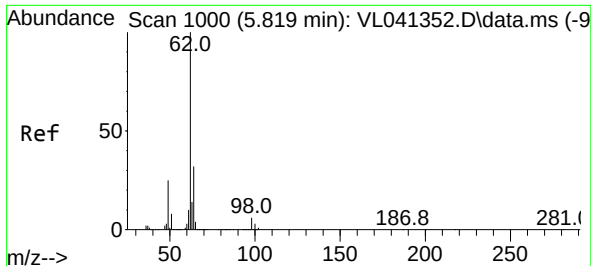


#36
Benzene
Concen: 9.717 ppbv
RT: 6.388 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30



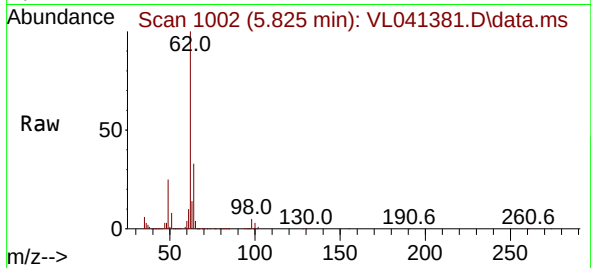
Tgt Ion: 78 Resp: 2224317
Ion Ratio Lower Upper
78 100
77 21.7 17.9 26.9
50 19.9 15.5 23.3





#37
1,2-Dichloroethane
Concen: 9.752 ppbv
RT: 5.825 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

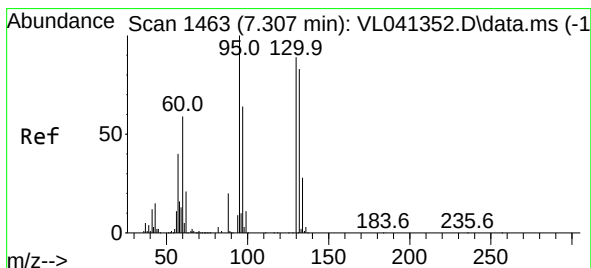
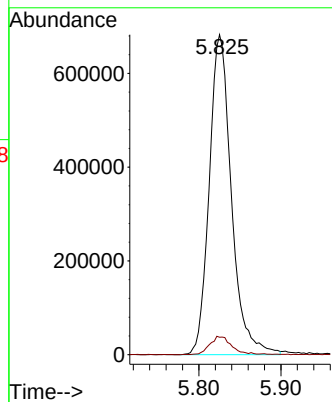
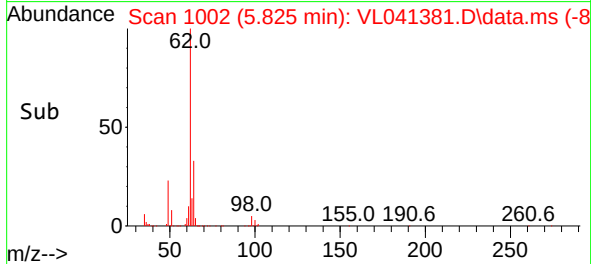
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 62 Resp: 128078
Ion Ratio Lower Upper
62 100
98 5.7 4.8 7.2

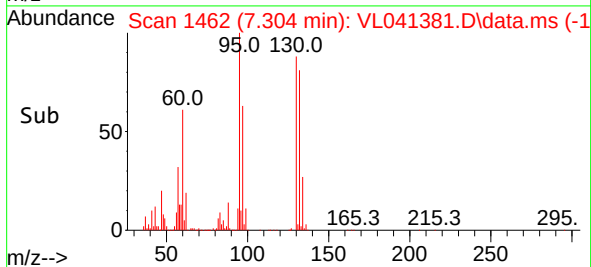
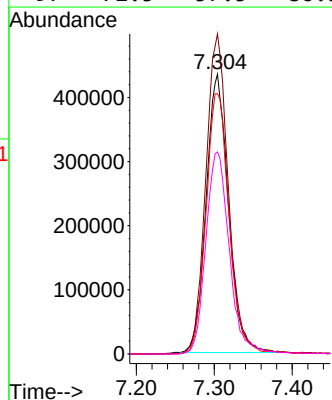
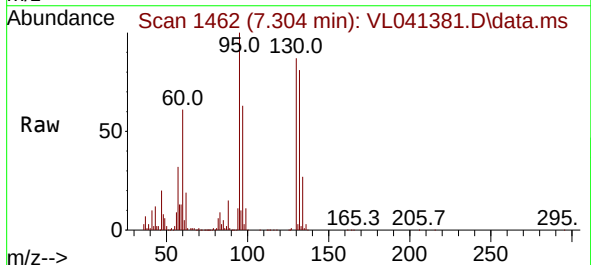
Manual Integrations
APPROVED

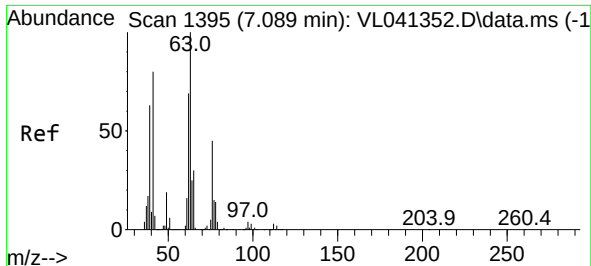
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#38
Trichloroethene
Concen: 8.652 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

Tgt Ion:130 Resp: 862750
Ion Ratio Lower Upper
130 100
95 114.7 90.0 135.0
132 93.4 74.8 112.2
97 72.5 57.5 86.3





#39

1,2-Dichloropropane

Concen: 9.699 ppbv

RT: 7.089 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VL041381.D

Acq: 22 Jul 2024 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

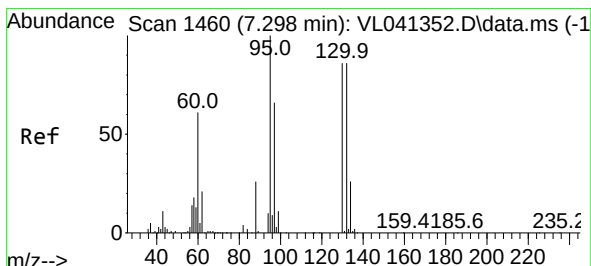
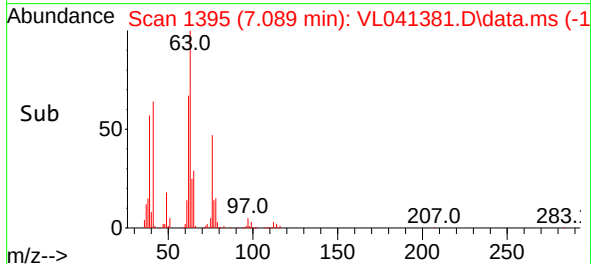
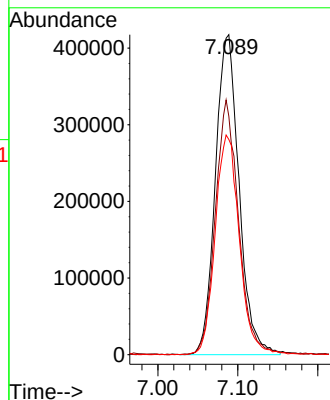
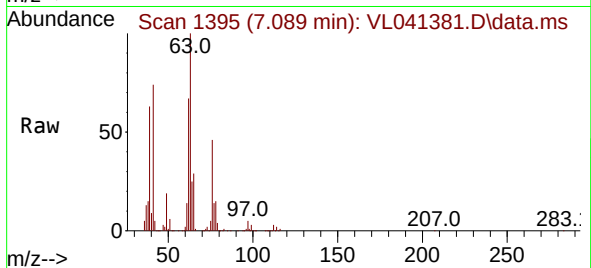
Tgt Ion: 63 Resp: 857909

Ion	Ratio	Lower	Upper
63	100		
41	74.5	64.0	96.0
62	67.3	55.2	82.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#40

1,4-Dioxane

Concen: 7.111 ppbv m

RT: 7.301 min Scan# 1461

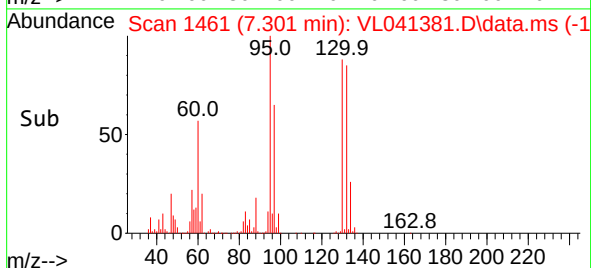
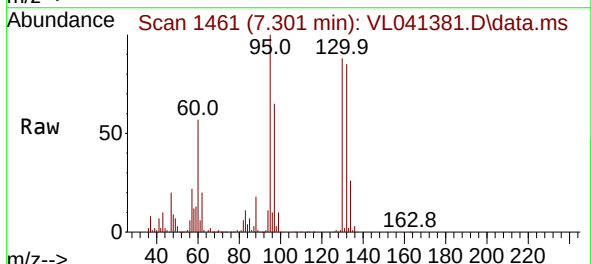
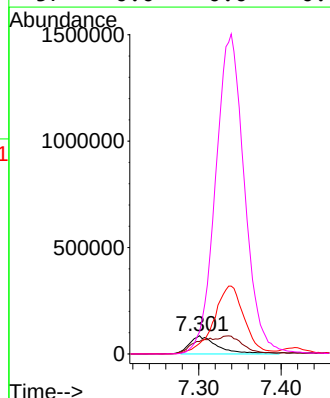
Delta R.T. 0.000 min

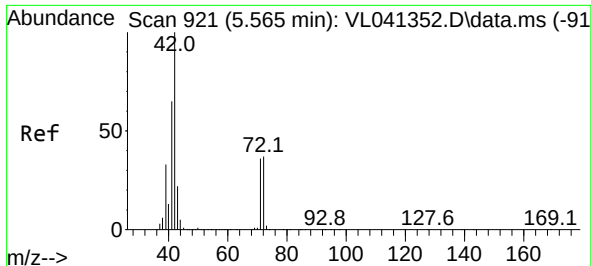
Lab File: VL041381.D

Acq: 22 Jul 2024 10:30

Tgt Ion: 88 Resp: 201660

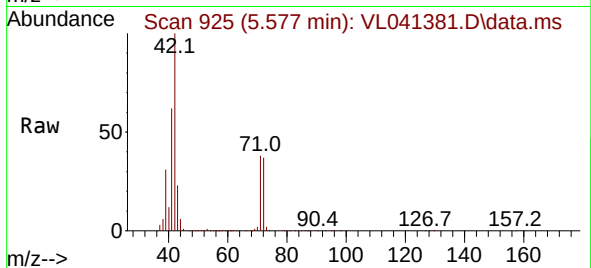
Ion	Ratio	Lower	Upper
88	100		
58	0.0	47.9	71.9
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 9.921 ppbv
RT: 5.577 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

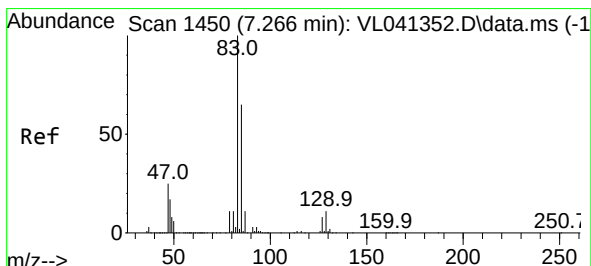
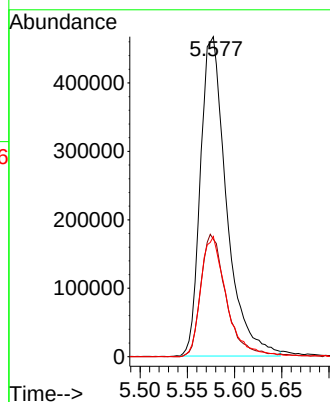
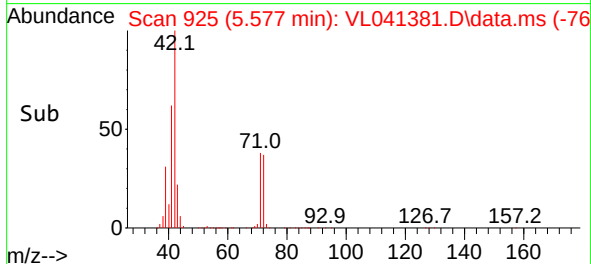
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 42 Resp: 896883
Ion Ratio Lower Upper
42 100
72 37.8 30.3 45.5
71 37.6 29.7 44.5

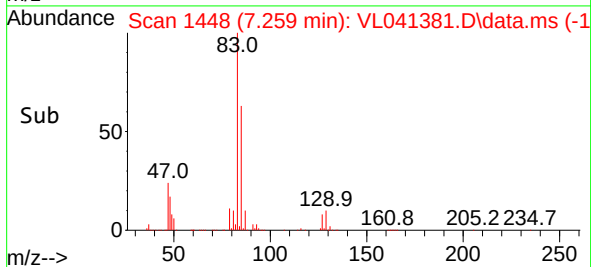
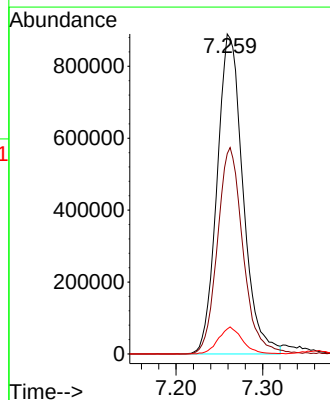
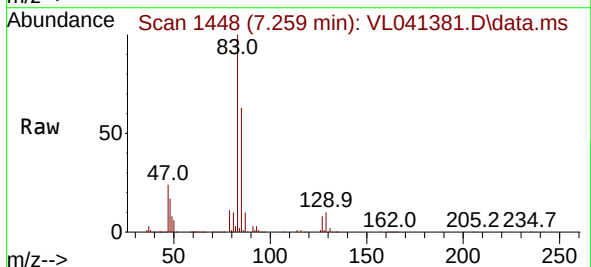
Manual Integrations
APPROVED

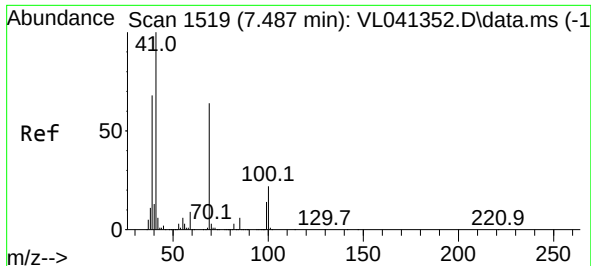
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#42
Bromodichloromethane
Concen: 10.052 ppbv
RT: 7.259 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

Tgt Ion: 83 Resp: 1847193
Ion Ratio Lower Upper
83 100
85 62.6 52.0 78.0
127 7.8 6.0 9.0





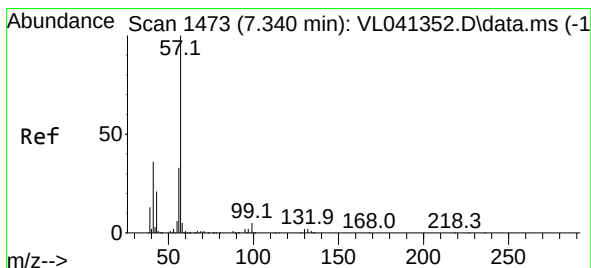
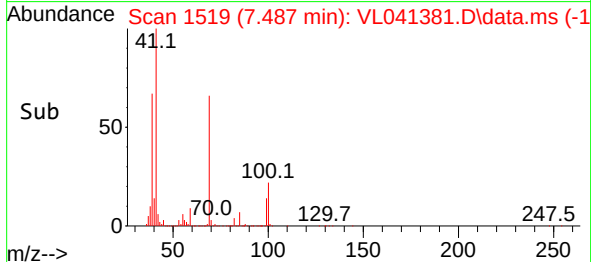
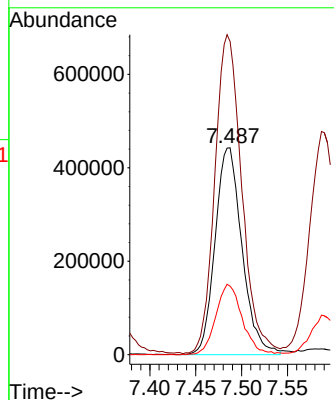
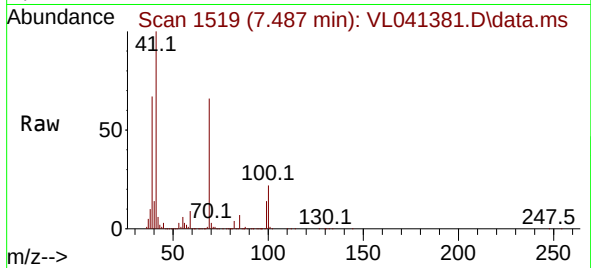
#43
Methyl Methacrylate
Concen: 10.508 ppbv
RT: 7.487 min Scan# 1519
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 903644
Ion Ratio Lower Upper
69 100
41 155.5 125.0 187.6
100 33.3 26.8 40.2

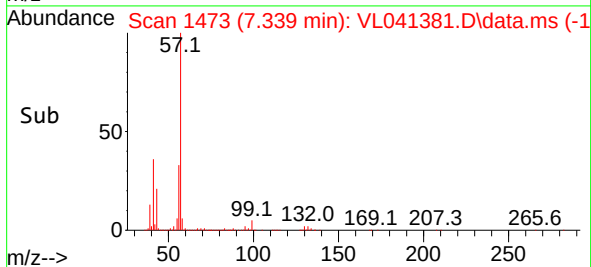
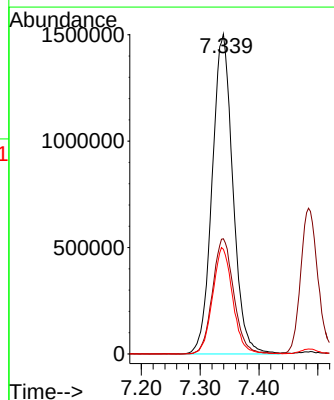
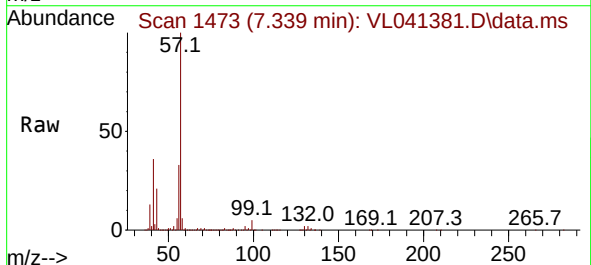
Manual Integrations
APPROVED

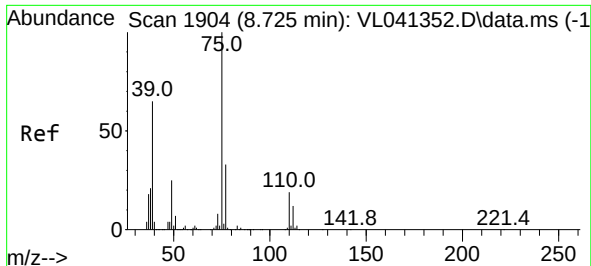
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#44
2,2,4-Trimethylpentane
Concen: 9.449 ppbv
RT: 7.339 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

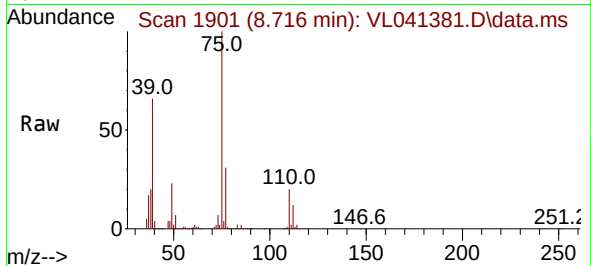
Tgt Ion: 57 Resp: 3675562
Ion Ratio Lower Upper
57 100
41 37.0 29.6 44.4
56 32.4 25.7 38.5





#45
t-1,3-Dichloropropene
Concen: 12.398 ppbv
RT: 8.716 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

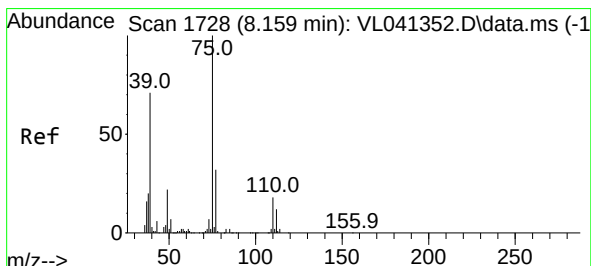
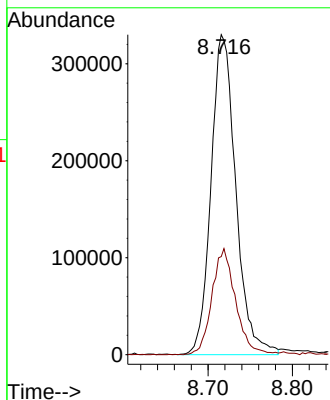
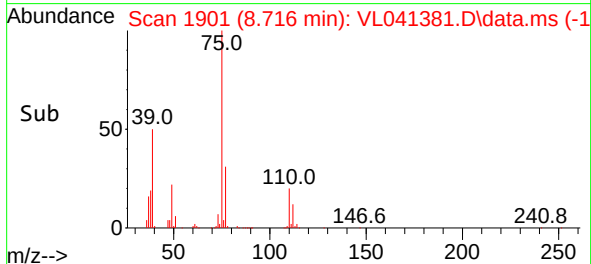
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 75 Resp: 67478
Ion Ratio Lower Upper
75 100
77 30.6 26.2 39.2

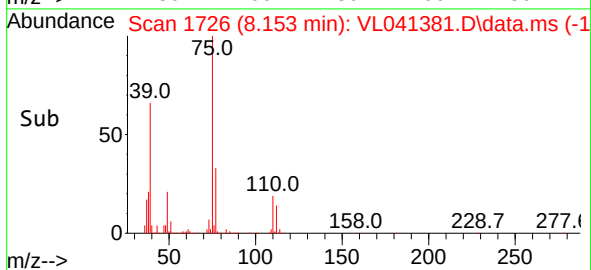
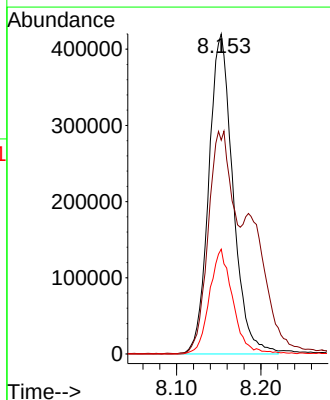
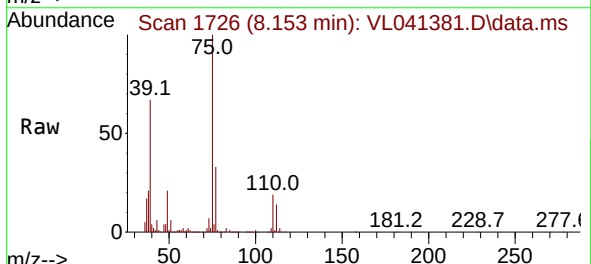
Manual Integrations
APPROVED

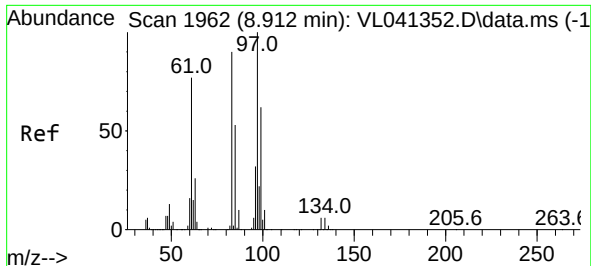
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#46
cis-1,3-Dichloropropene
Concen: 11.442 ppbv
RT: 8.153 min Scan# 1726
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

Tgt Ion: 75 Resp: 837356
Ion Ratio Lower Upper
75 100
39 66.7 56.6 85.0
77 32.8 25.5 38.3





#47

1,1,2-Trichloroethane

Concen: 9.664 ppbv

RT: 8.909 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VL041381.D

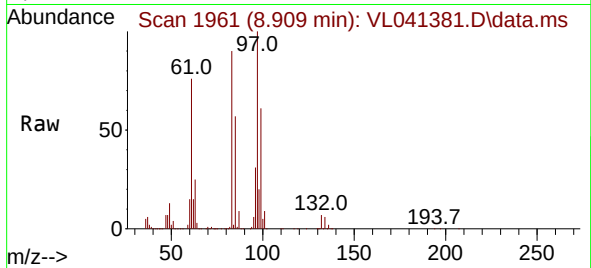
Acq: 22 Jul 2024 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion: 97 Resp: 91692

Ion Ratio Lower Upper

97 100

83 89.7 72.4 108.6

85 56.9 42.6 64.0

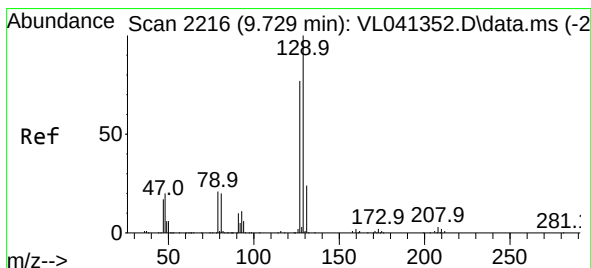
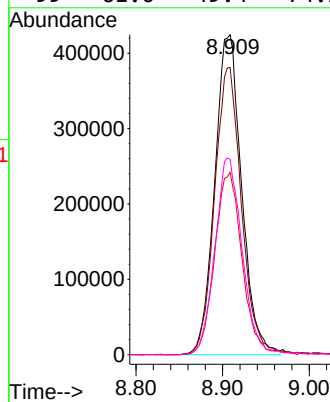
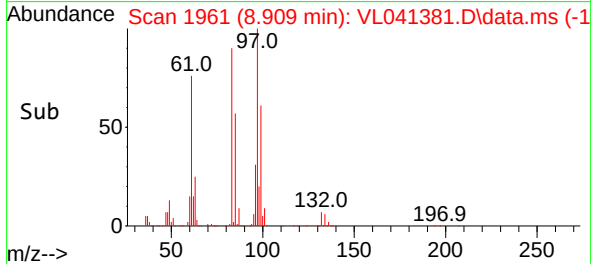
99 61.0 49.4 74.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/24/2024

Supervised By :Semsettin Yesilyurt 07/24/2024



#48

Dibromochloromethane

Concen: 10.175 ppbv

RT: 9.716 min Scan# 2212

Delta R.T. 0.000 min

Lab File: VL041381.D

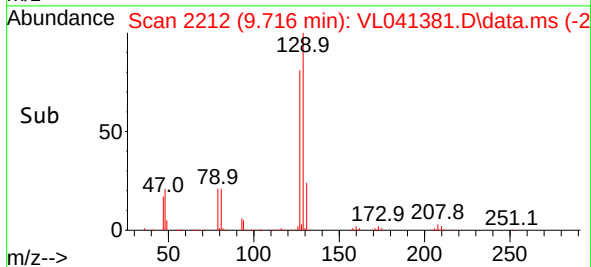
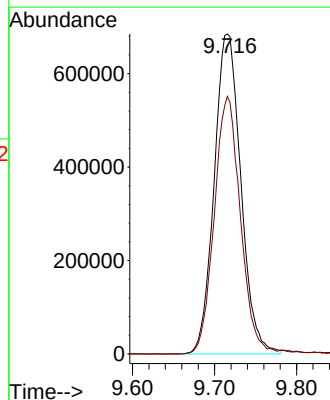
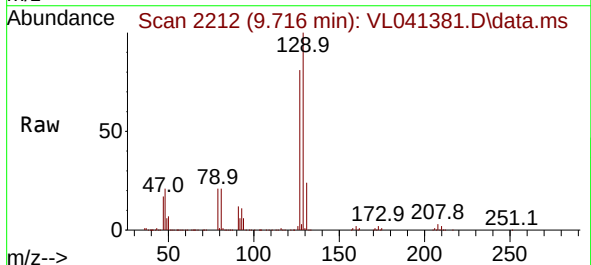
Acq: 22 Jul 2024 10:30

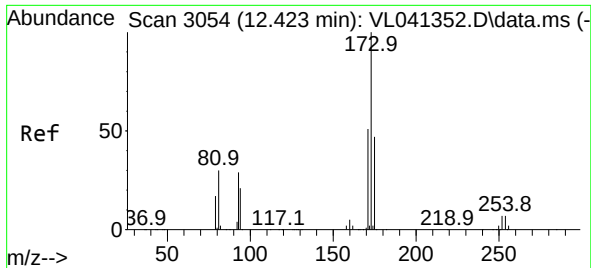
Tgt Ion:129 Resp: 1550262

Ion Ratio Lower Upper

129 100

127 79.6 39.9 119.7





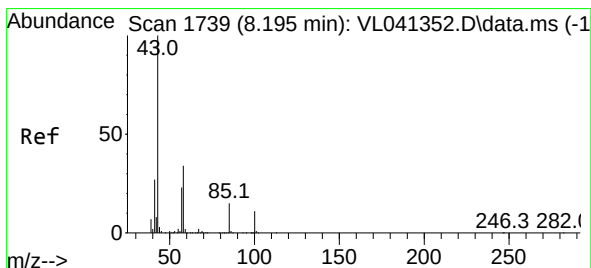
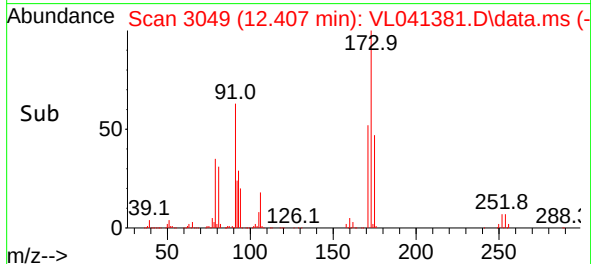
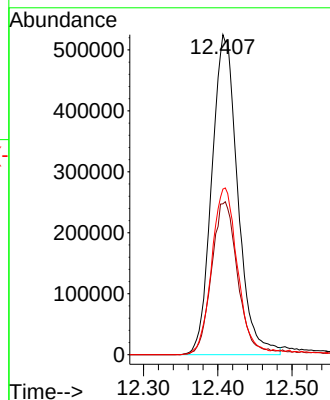
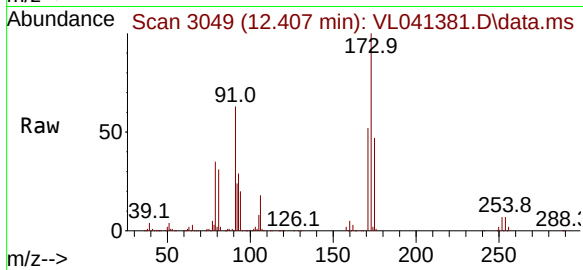
#49
Bromoform
Concen: 10.518 ppbv
RT: 12.407 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1276307
Ion Ratio Lower Upper
173 100
175 49.5 40.3 60.5
171 54.4 43.8 65.8

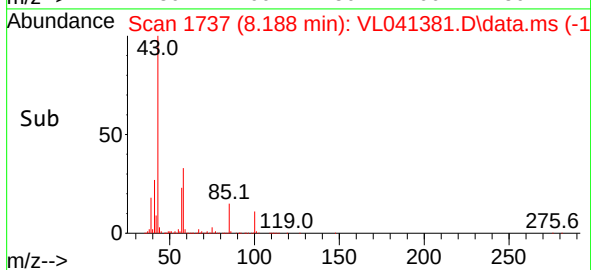
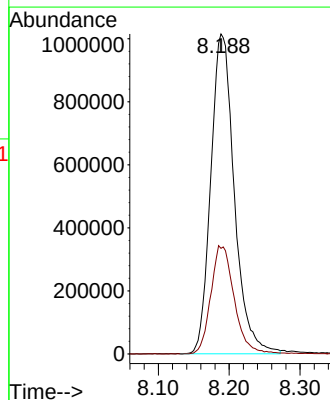
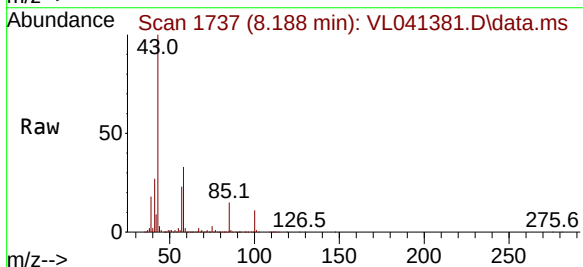
Manual Integrations
APPROVED

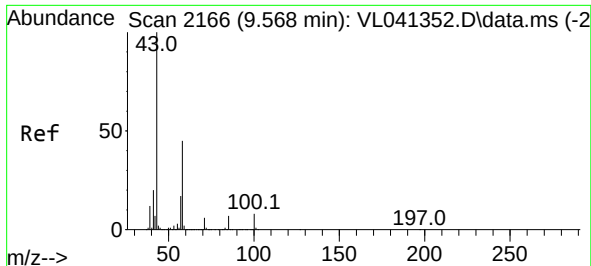
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#50
4-Methyl-2-Pentanone
Concen: 9.982 ppbv
RT: 8.188 min Scan# 1737
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

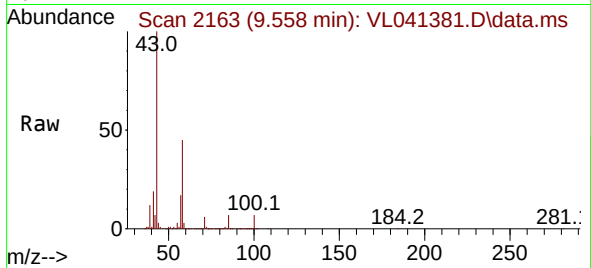
Tgt Ion: 43 Resp: 2339607
Ion Ratio Lower Upper
43 100
58 34.0 27.8 41.8





#51
2-Hexanone
Concen: 9.922 ppbv
RT: 9.558 min Scan# 2166
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

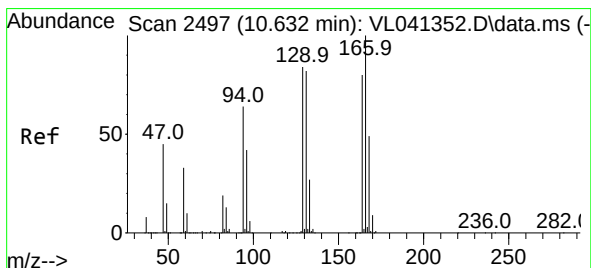
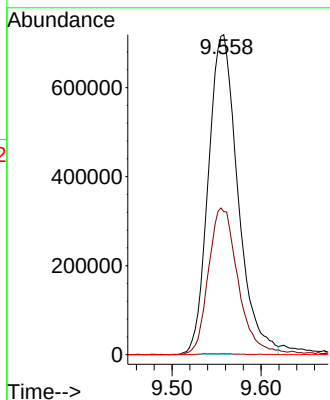
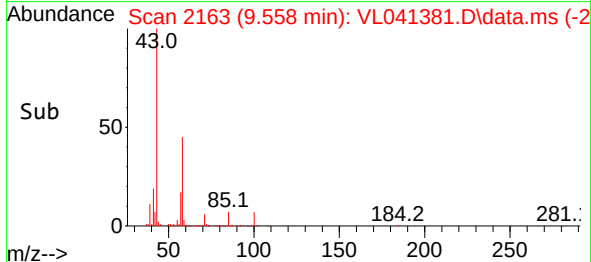
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



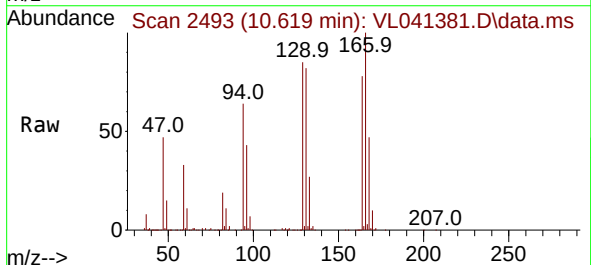
Tgt Ion: 43 Resp: 165310
Ion Ratio Lower Upper
43 100
58 47.2 38.0 57.0
98 0.5 0.2 0.2

Manual Integrations
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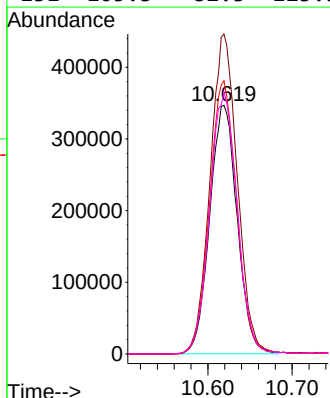
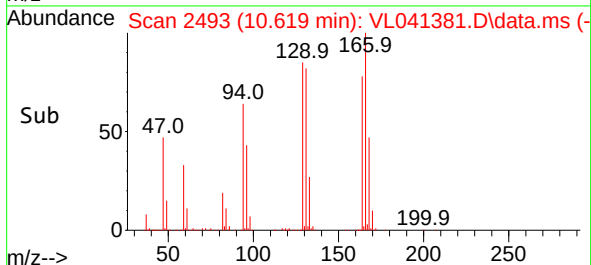
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

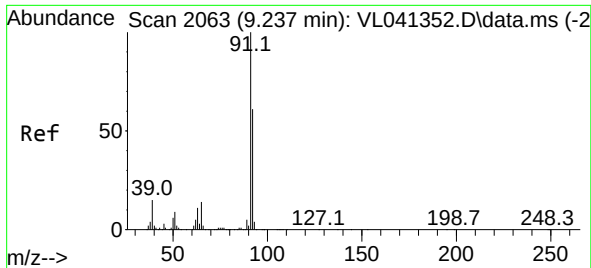


#52
Tetrachloroethene
Concen: 8.498 ppbv
RT: 10.619 min Scan# 2493
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30



Tgt Ion:164 Resp: 781152
Ion Ratio Lower Upper
164 100
166 128.7 99.8 149.8
129 110.0 83.8 125.6
131 105.3 82.3 123.5





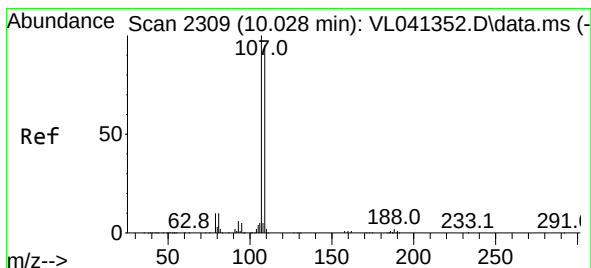
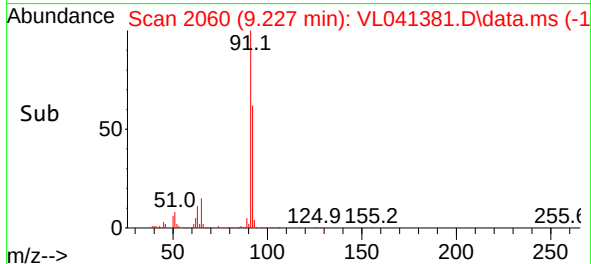
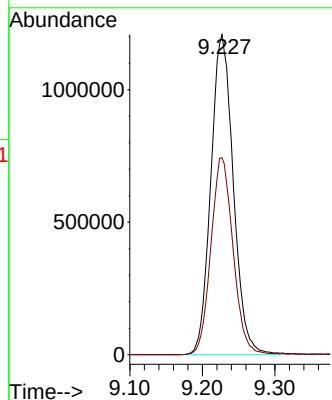
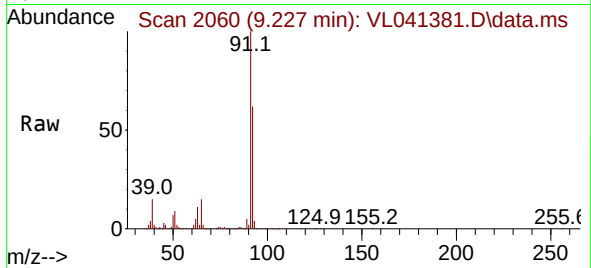
#53
Toluene
Concen: 10.061 ppbv
RT: 9.227 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2597389
Ion Ratio Lower Upper
91 100
92 61.3 48.5 72.7

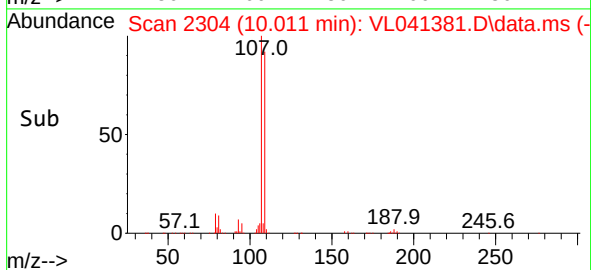
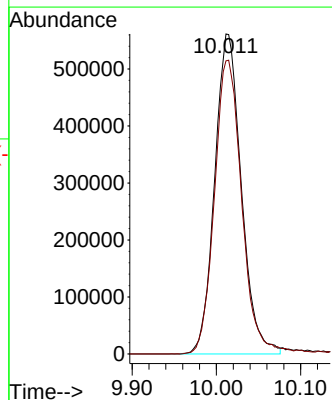
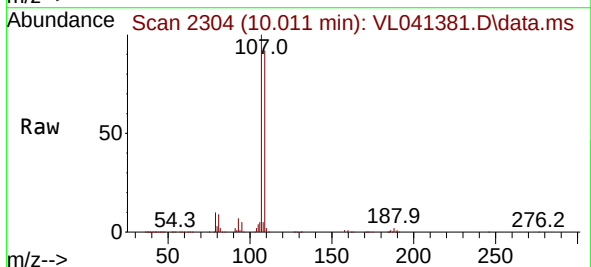
Manual Integrations
APPROVED

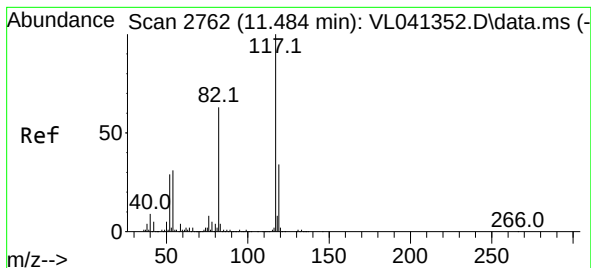
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#54
1,2-Dibromoethane
Concen: 10.483 ppbv
RT: 10.011 min Scan# 2304
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

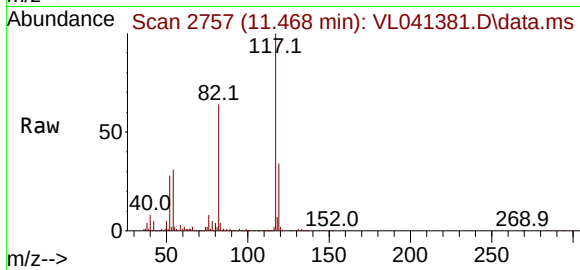
Tgt Ion:107 Resp: 1230833
Ion Ratio Lower Upper
107 100
109 91.6 75.8 113.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

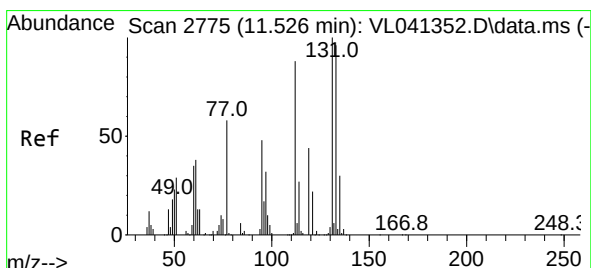
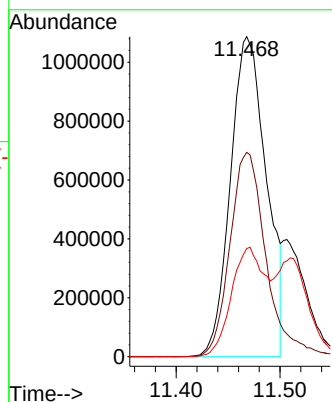
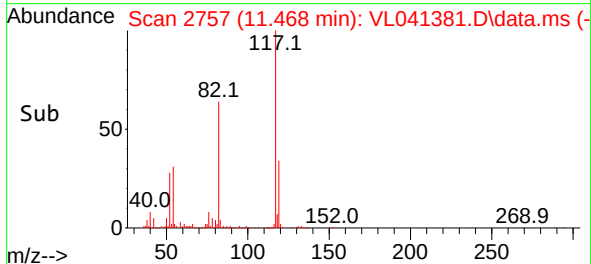
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



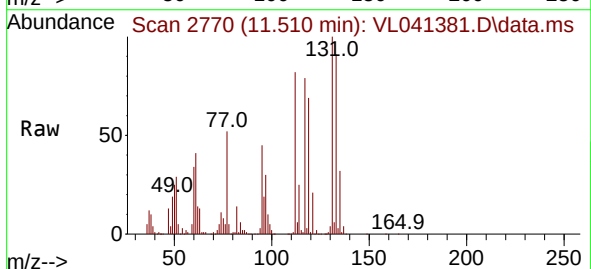
Tgt Ion:117 Resp: 260952
Ion Ratio Lower Upper
117 100
82 65.7 50.6 75.8
119 30.1 24.7 37.1

Manual Integrations
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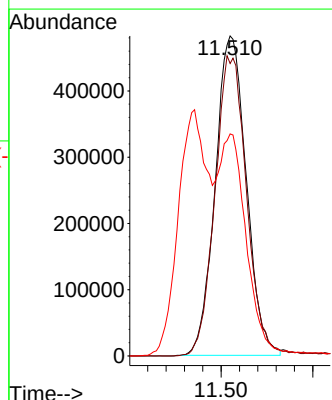
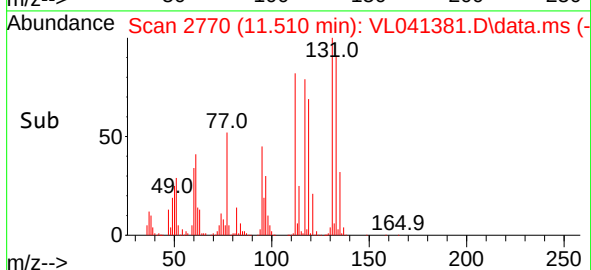
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

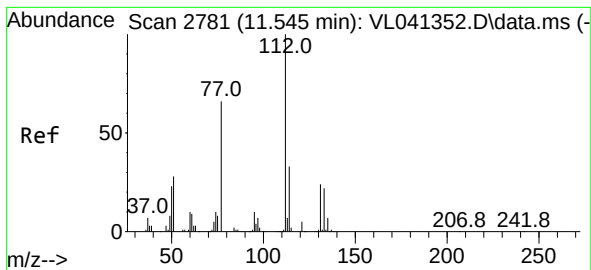


#56
1,1,1,2-Tetrachloroethane
Concen: 9.635 ppbv
RT: 11.510 min Scan# 2770
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30



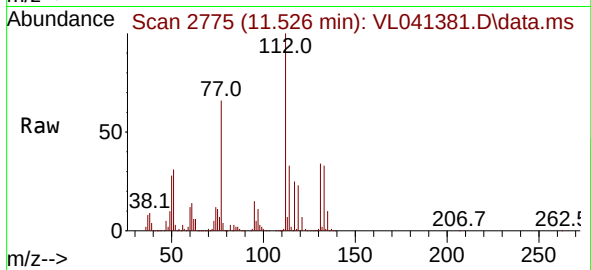
Tgt Ion:131 Resp: 1131392
Ion Ratio Lower Upper
131 100
133 97.2 76.8 115.2
119 66.1 49.4 74.0





#57
Chlorobenzene
Concen: 9.657 ppbv
RT: 11.526 min Scan# 211
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

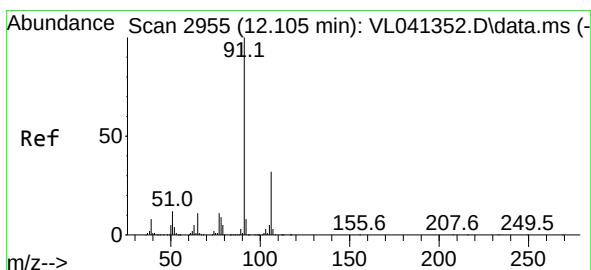
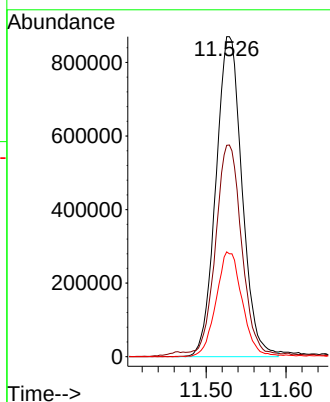
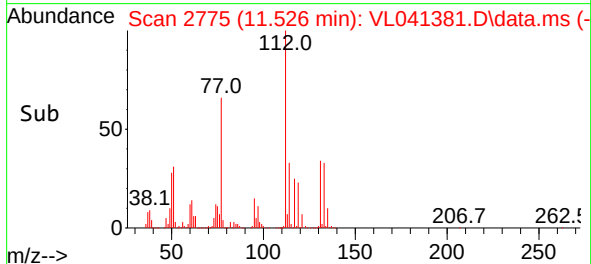
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



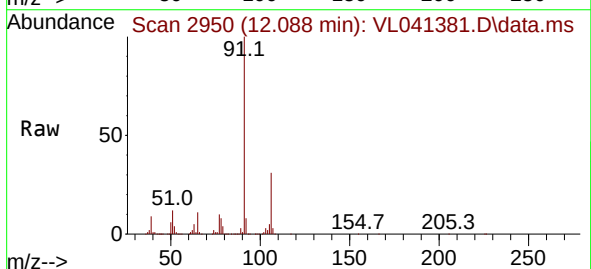
Tgt Ion:112 Resp: 197689
Ion Ratio Lower Upper
112 100
77 65.0 53.2 79.8
114 32.6 30.1 36.7

Manual Integrations
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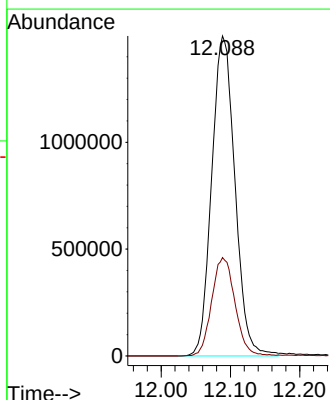
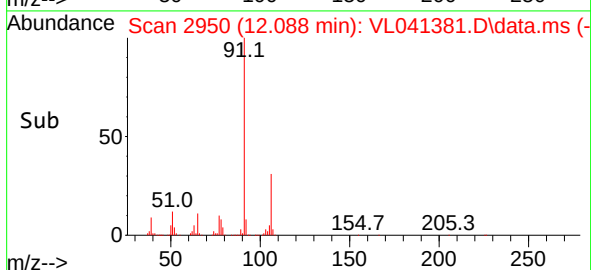
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

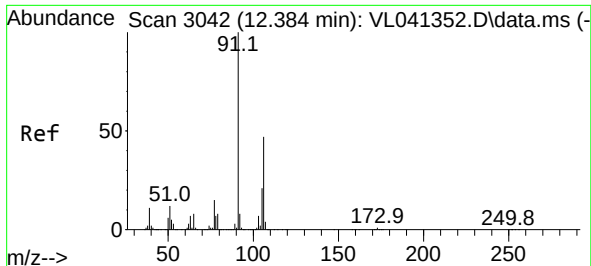


#58
Ethyl Benzene
Concen: 10.005 ppbv
RT: 12.088 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30



Tgt Ion: 91 Resp: 3493015
Ion Ratio Lower Upper
91 100
106 30.8 25.4 38.0





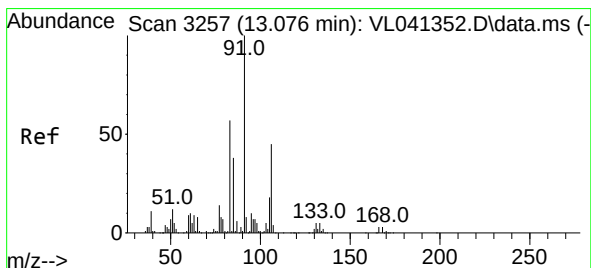
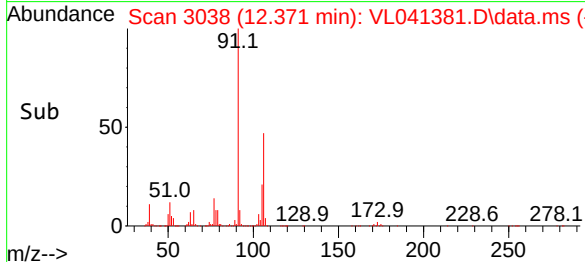
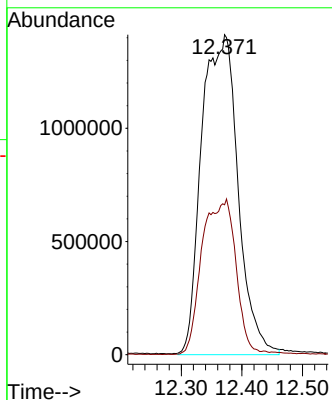
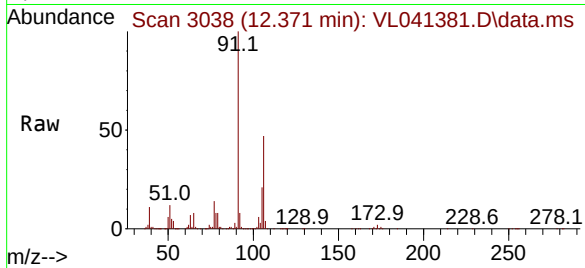
#59
m/p-Xylene
Concen: 19.517 ppbv m
RT: 12.371 min Scan# 3042
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 5897078
Ion Ratio Lower Upper
91 100
106 45.7 35.6 53.4

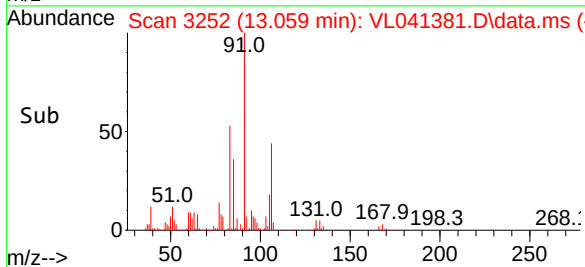
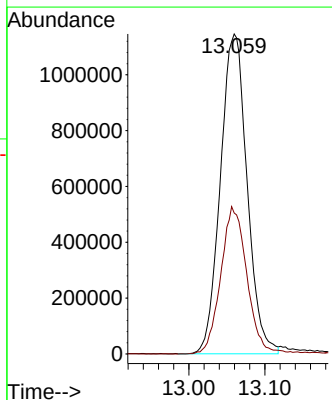
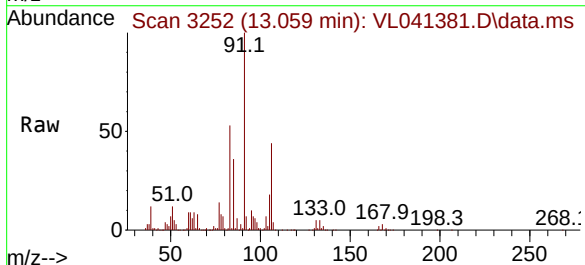
Manual Integrations
APPROVED

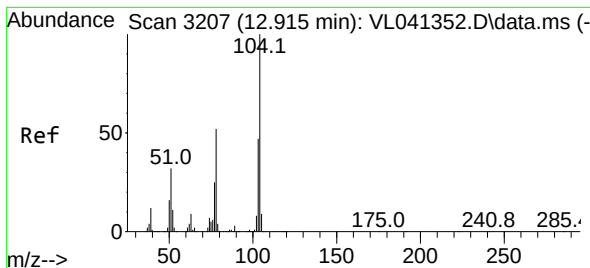
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#60
o-Xylene
Concen: 9.803 ppbv
RT: 13.059 min Scan# 3252
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

Tgt Ion: 91 Resp: 2795465
Ion Ratio Lower Upper
91 100
106 45.9 23.3 69.8





#61

Styrene

Concen: 10.707 ppbv

RT: 12.899 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041381.D

Acq: 22 Jul 2024 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:104 Resp: 1482778

Ion Ratio Lower Upper

104 100

78 51.9 40.6 61.0

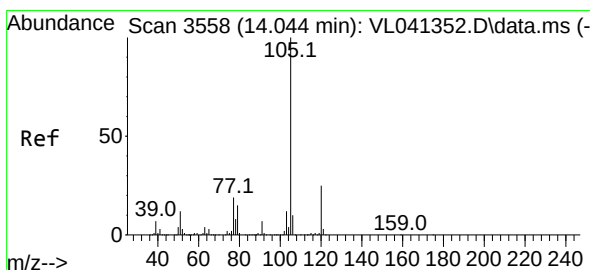
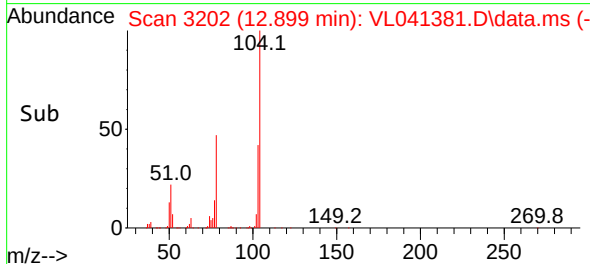
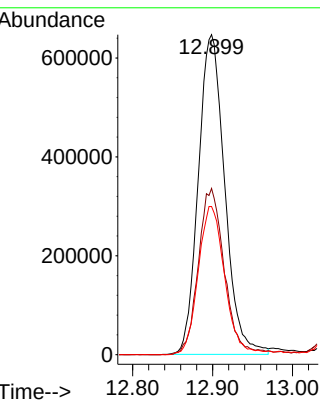
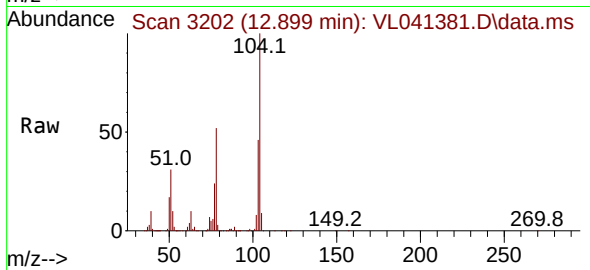
103 46.8 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/24/2024

Supervised By :Semsettin Yesilyurt 07/24/2024



#62

Isopropylbenzene

Concen: 9.412 ppbv

RT: 14.031 min Scan# 3554

Delta R.T. 0.000 min

Lab File: VL041381.D

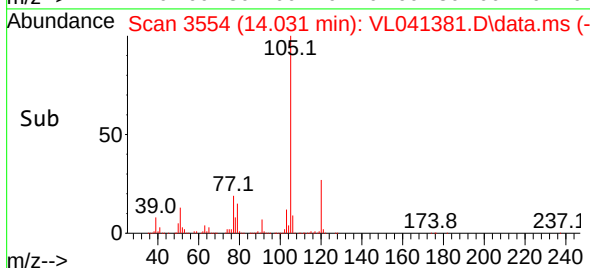
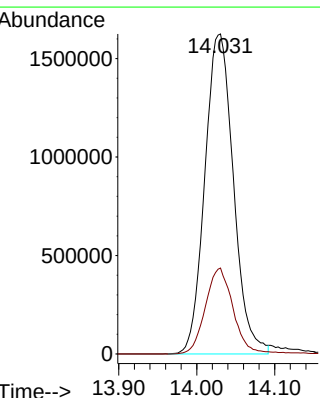
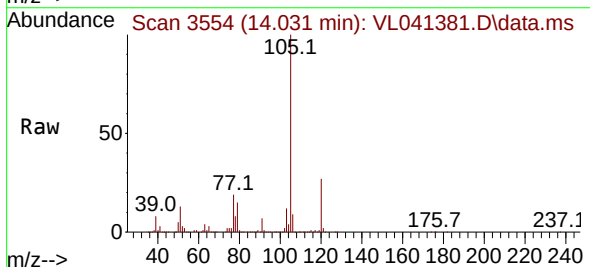
Acq: 22 Jul 2024 10:30

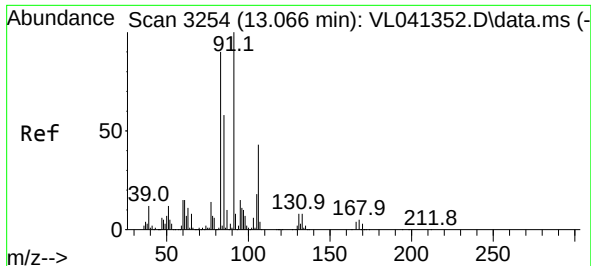
Tgt Ion:105 Resp: 4143718

Ion Ratio Lower Upper

105 100

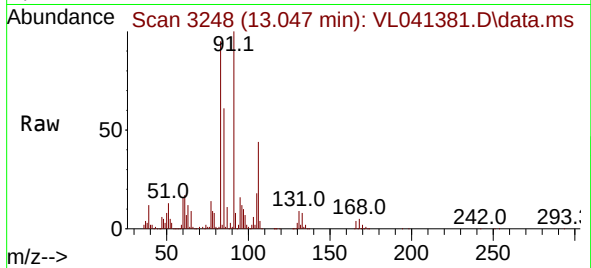
120 26.4 20.9 31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 8.687 ppbv
RT: 13.047 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

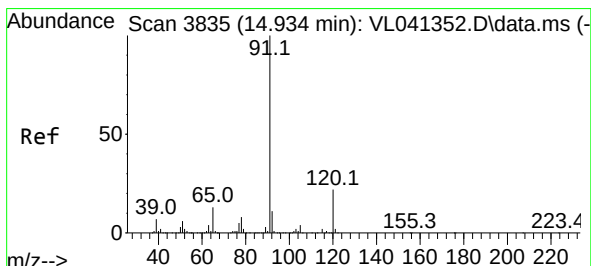
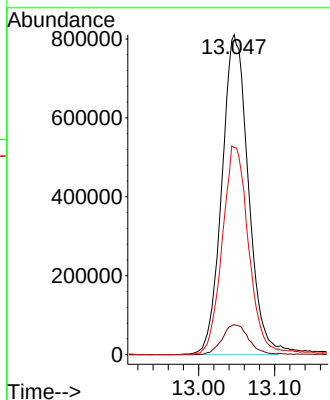
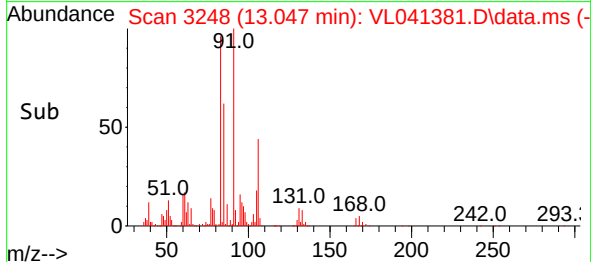
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



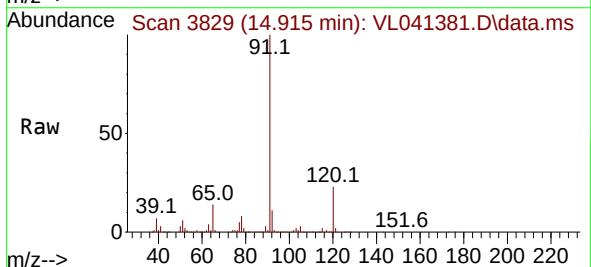
Tgt Ion: 83 Resp: 195154
Ion Ratio Lower Upper
83 100
131 9.7 4.8 14.4
85 66.8 33.0 98.9

Manual Integrations
APPROVED

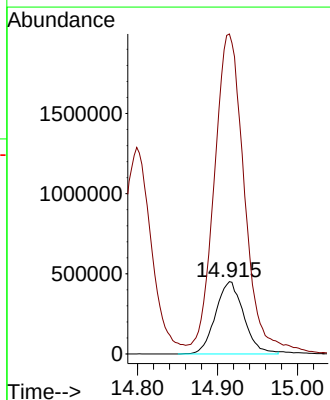
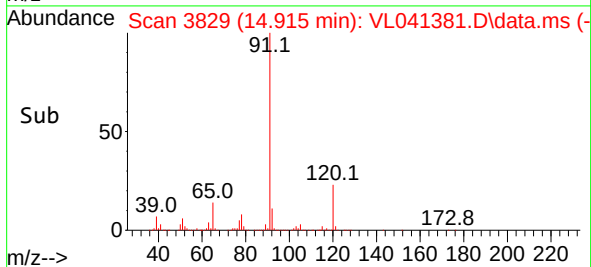
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

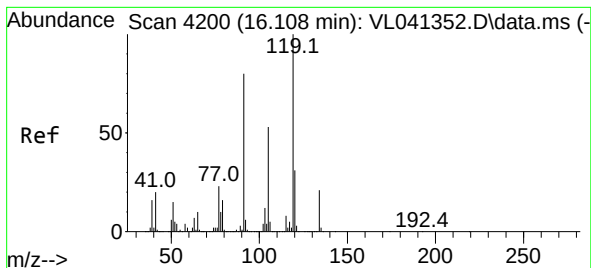


#64
n-propylbenzene
Concen: 9.591 ppbv
RT: 14.915 min Scan# 3829
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30



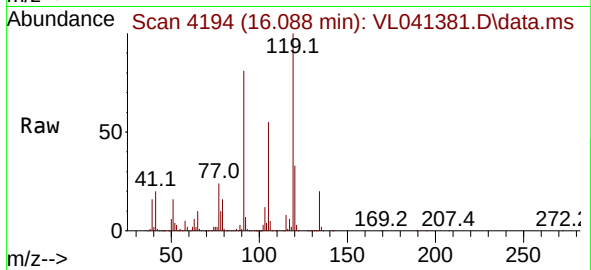
Tgt Ion:120 Resp: 1102169
Ion Ratio Lower Upper
120 100
91 479.4 378.4 567.6





#65
tert-Butylbenzene
Concen: 9.451 ppbv
RT: 16.088 min Scan# 4119
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

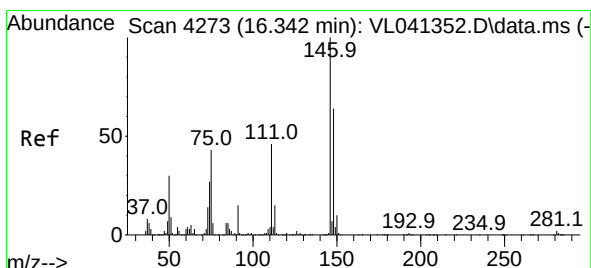
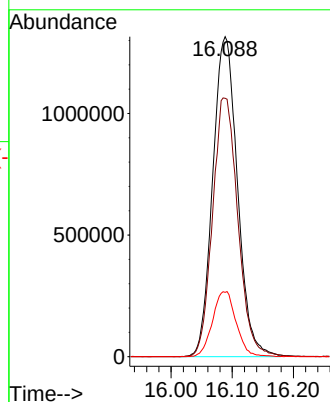
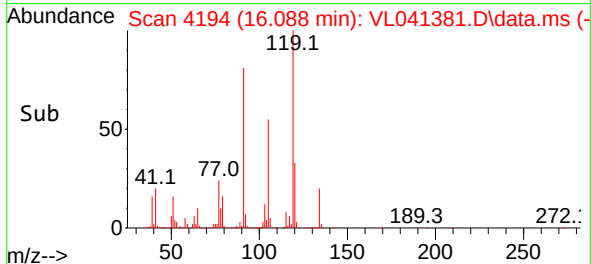
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



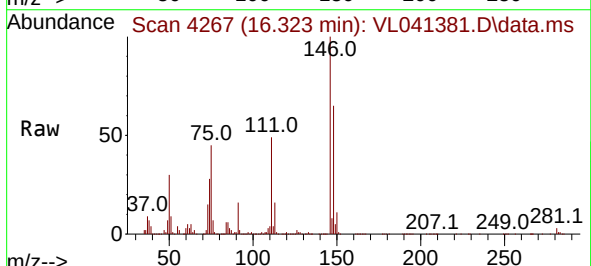
Tgt Ion: 119 Resp: 370455
Ion Ratio Lower Upper
119 100
91 82.5 65.8 98.6
134 19.5 15.7 23.5

Manual Integrations
APPROVED

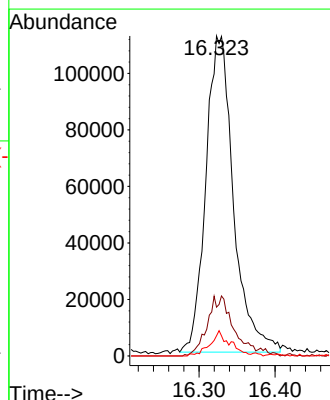
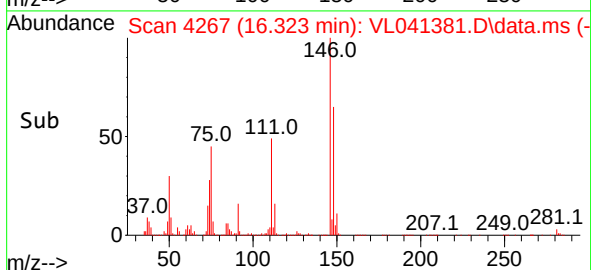
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

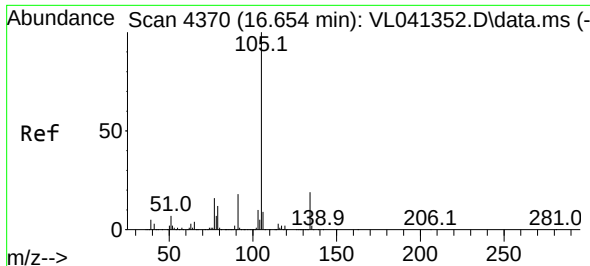


#66
Benzyl Chloride
Concen: 10.999 ppbv
RT: 16.323 min Scan# 4267
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30



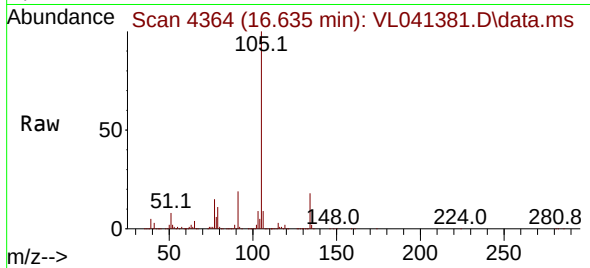
Tgt Ion: 91 Resp: 283300
Ion Ratio Lower Upper
91 100
126 18.8 15.4 23.0
128 6.2 5.0 7.4





#67
 sec-Butylbenzene
 Concen: 9.527 ppbv
 RT: 16.635 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041381.D
 Acq: 22 Jul 2024 10:30

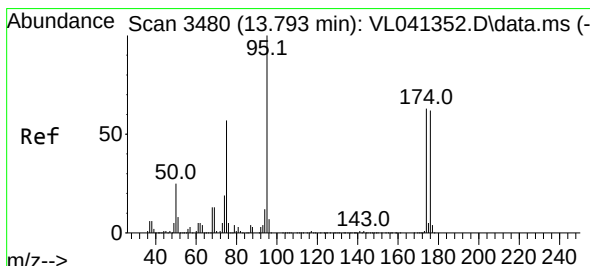
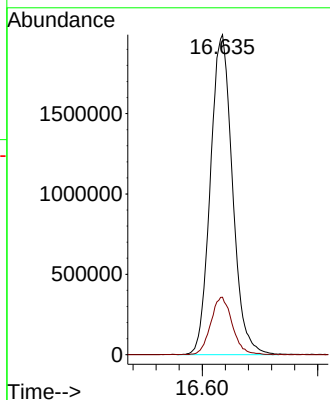
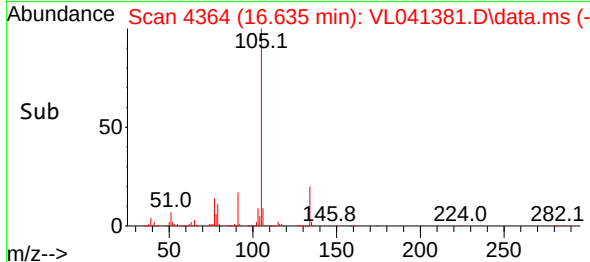
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:105 Resp: 528194
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.2 21.2

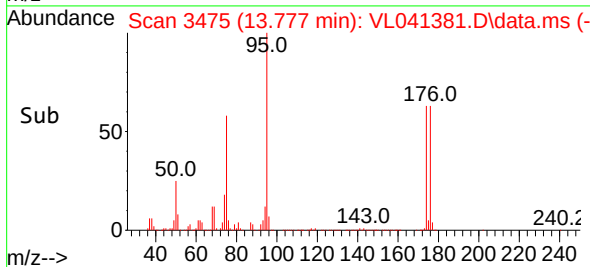
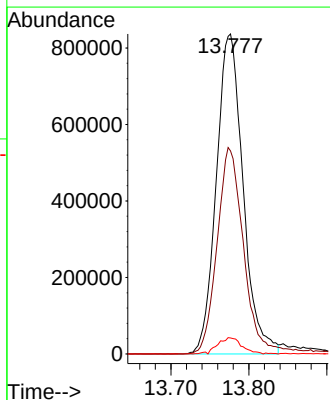
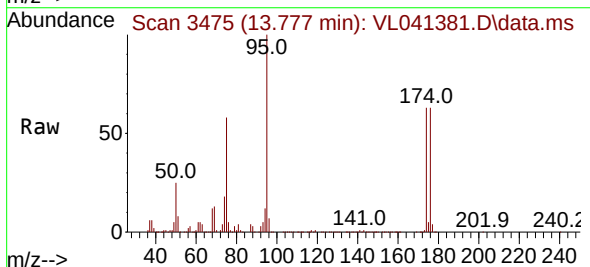
Manual Integrations
 APPROVED

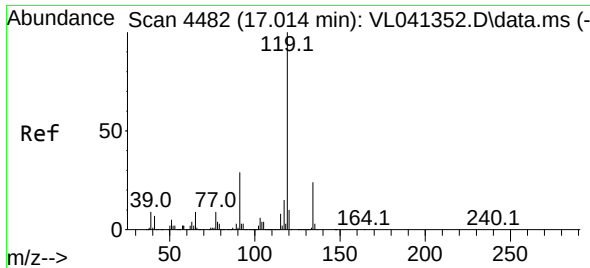
Reviewed By :Mahesh Dadoda 07/24/2024
 Supervised By :Semsettin Yesilyurt 07/24/2024



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.204 ppbv
 RT: 13.777 min Scan# 3475
 Delta R.T. 0.000 min
 Lab File: VL041381.D
 Acq: 22 Jul 2024 10:30

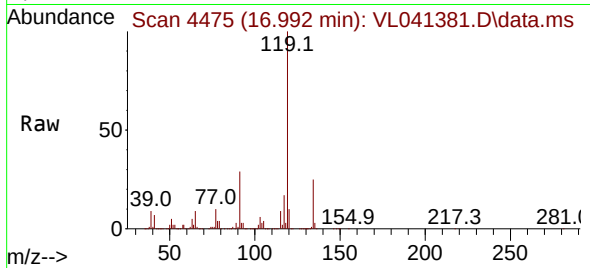
Tgt Ion: 95 Resp: 1995778
 Ion Ratio Lower Upper
 95 100
 174 65.4 53.1 79.7
 175 4.8 4.0 6.0





#69
p-Isopropyltoluene
Concen: 9.603 ppbv
RT: 16.992 min Scan# 4482
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

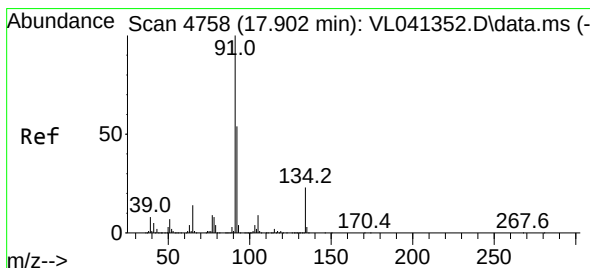
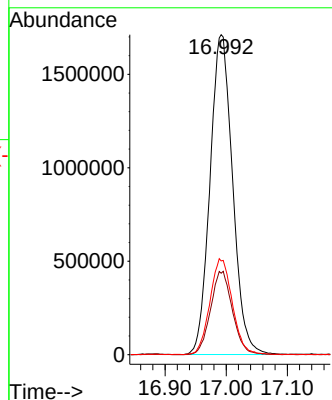
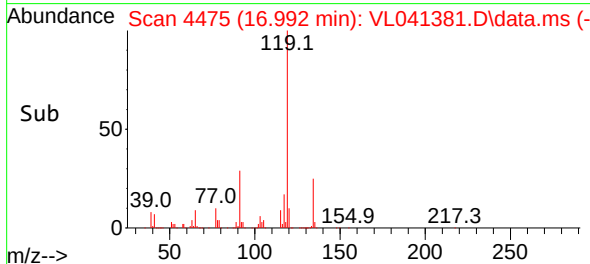
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



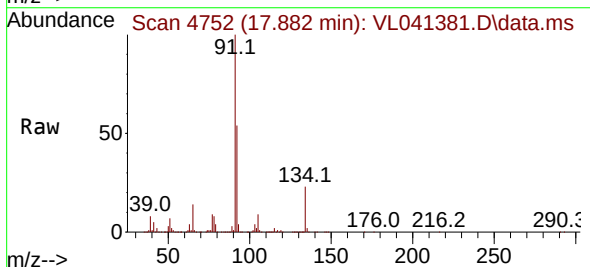
Tgt Ion:119 Resp: 4397098
Ion Ratio Lower Upper
119 100
134 25.3 20.0 30.0
91 29.8 23.7 35.5

Manual Integrations
APPROVED

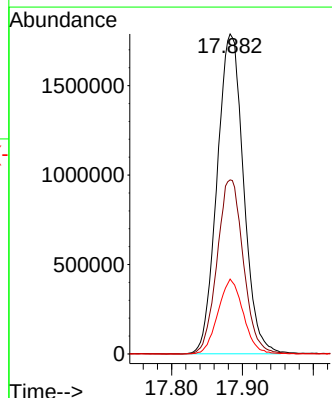
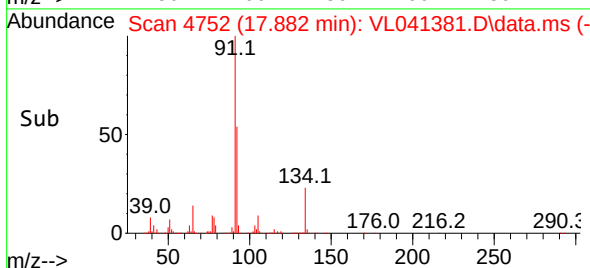
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

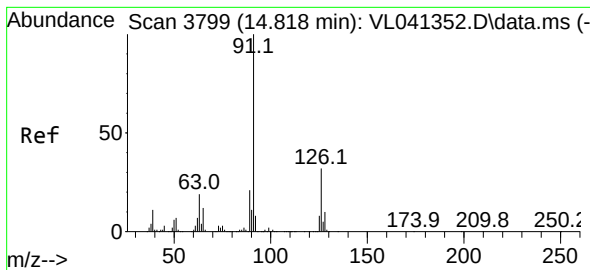


#70
n-Butylbenzene
Concen: 9.908 ppbv
RT: 17.882 min Scan# 4752
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30



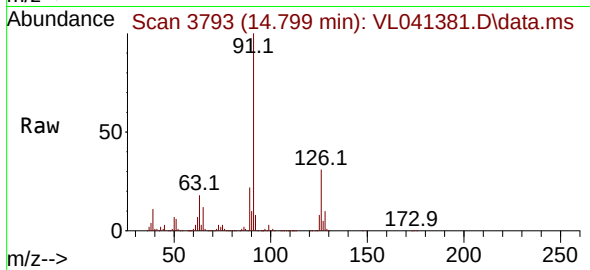
Tgt Ion: 91 Resp: 4637187
Ion Ratio Lower Upper
91 100
92 54.2 43.0 64.6
134 22.5 18.0 27.0





#71
2-Chlorotoluene
Concen: 9.686 ppbv
RT: 14.799 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

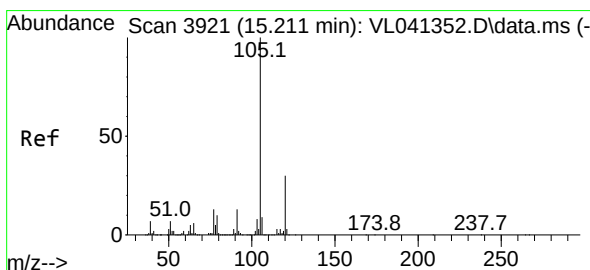
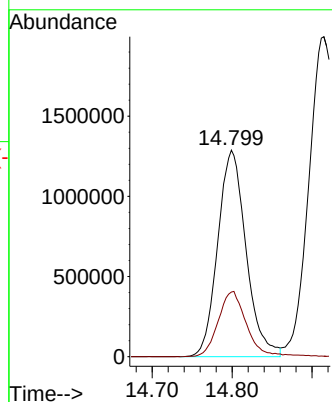
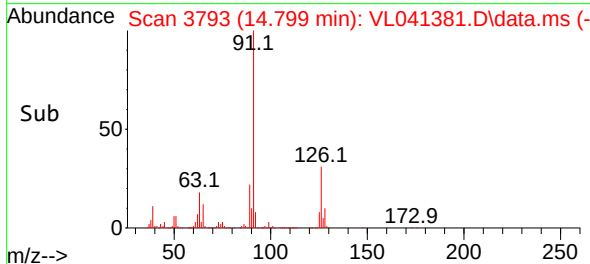
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



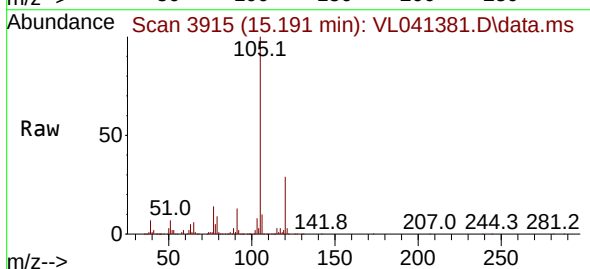
Tgt Ion: 91 Resp: 316775
Ion Ratio Lower Upper
91 100
126 32.0 12.9 51.7

Manual Integrations
APPROVED

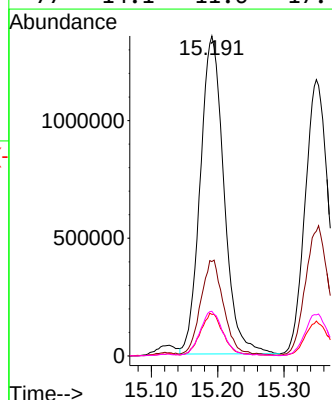
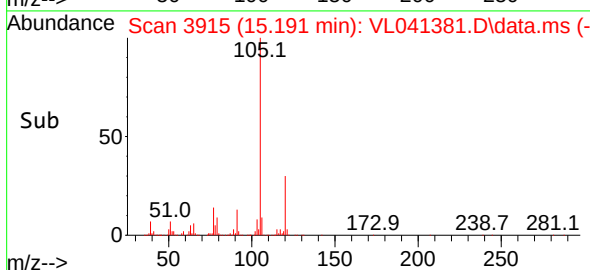
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

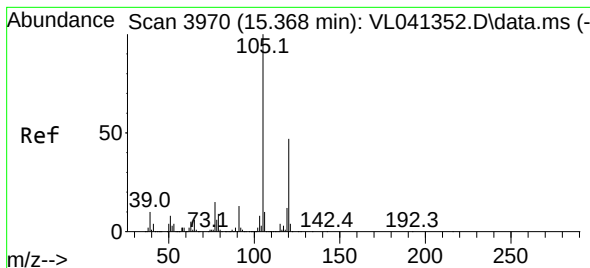


#72
4-Ethyltoluene
Concen: 9.884 ppbv
RT: 15.191 min Scan# 3915
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30



Tgt Ion:105 Resp: 3357000
Ion Ratio Lower Upper
105 100
120 30.0 24.2 36.4
91 12.8 10.2 15.2
77 14.1 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 9.910 ppbv

RT: 15.349 min Scan# 3970

Delta R.T. 0.000 min

Lab File: VL041381.D

Acq: 22 Jul 2024 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 2881020

Ion Ratio Lower Upper

105 100

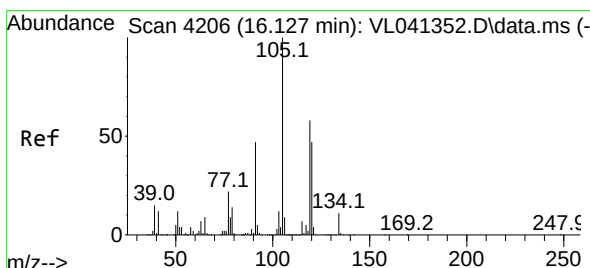
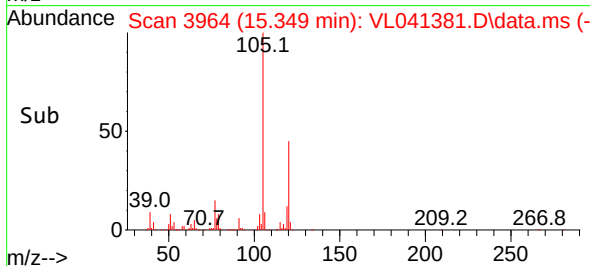
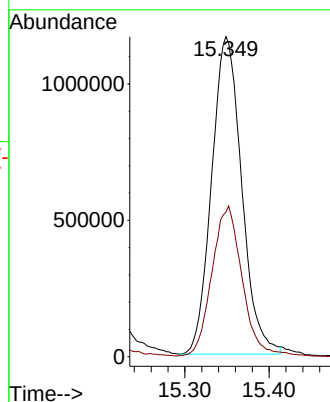
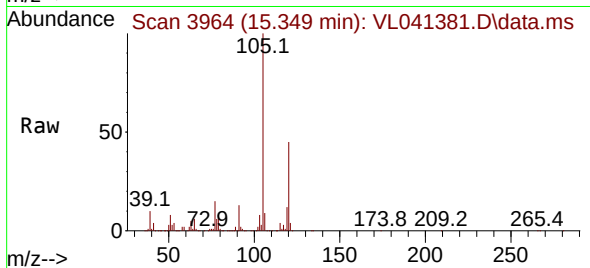
120 45.3 37.3 55.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/24/2024

Supervised By :Semsettin Yesilyurt 07/24/2024



#74

1,2,4-Trimethylbenzene

Concen: 9.828 ppbv

RT: 16.104 min Scan# 4199

Delta R.T. 0.000 min

Lab File: VL041381.D

Acq: 22 Jul 2024 10:30

Tgt Ion:105 Resp: 3219478

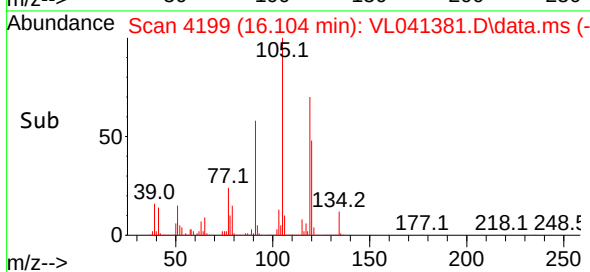
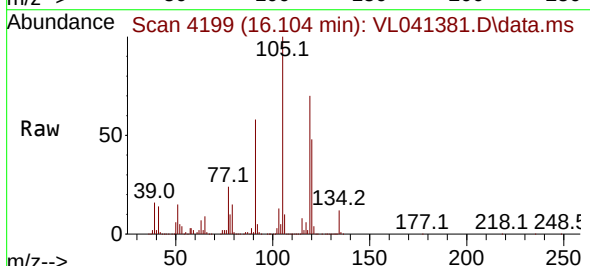
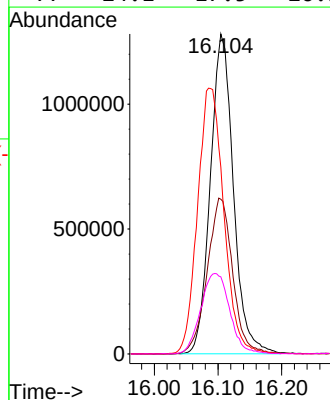
Ion Ratio Lower Upper

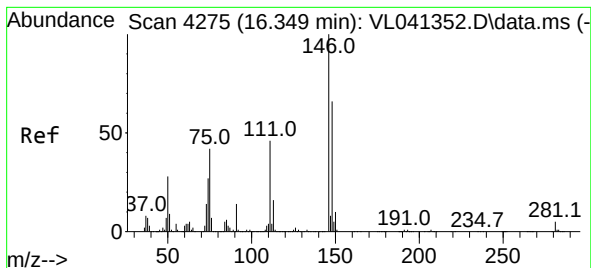
105 100

120 48.1 37.8 56.8

91 58.2 38.0 57.0#

77 24.1 17.5 26.3





#75

1,3-Dichlorobenzene

Concen: 9.914 ppbv

RT: 16.326 min Scan# 4313

Delta R.T. 0.000 min

Lab File: VL041381.D

Acq: 22 Jul 2024 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 192662

Ion Ratio Lower Upper

146 100

111 46.5 23.5 70.5

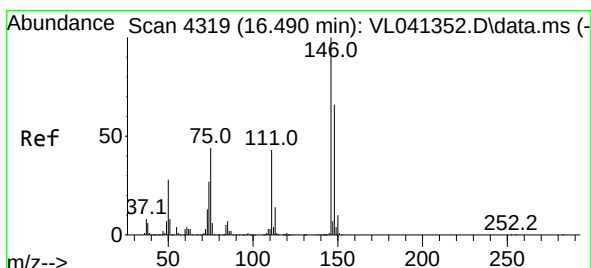
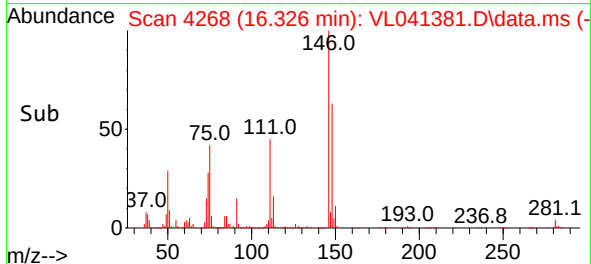
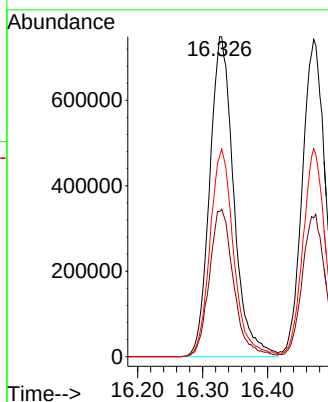
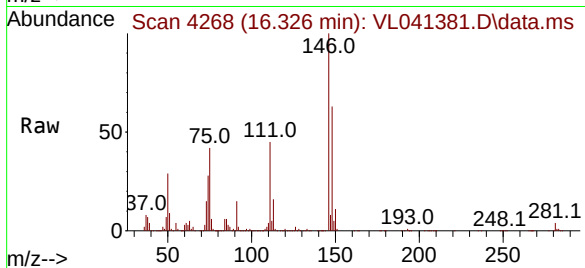
148 63.9 32.3 96.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/24/2024

Supervised By :Semsettin Yesilyurt 07/24/2024



#76

1,4-Dichlorobenzene

Concen: 9.828 ppbv

RT: 16.471 min Scan# 4313

Delta R.T. 0.000 min

Lab File: VL041381.D

Acq: 22 Jul 2024 10:30

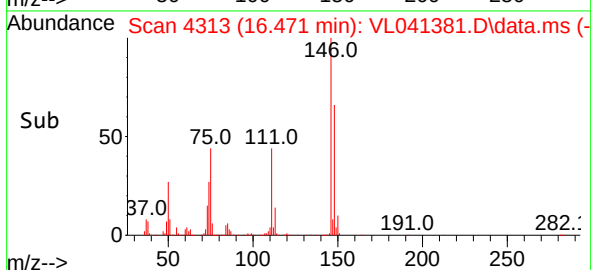
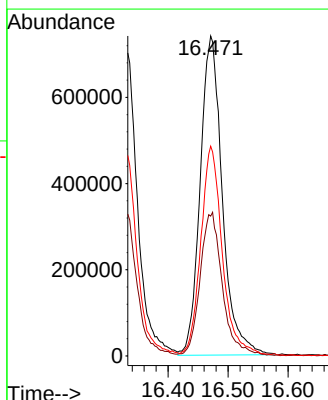
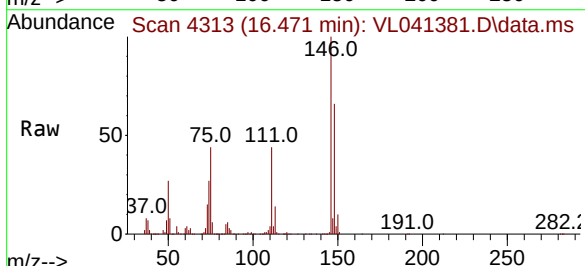
Tgt Ion:146 Resp: 1902904

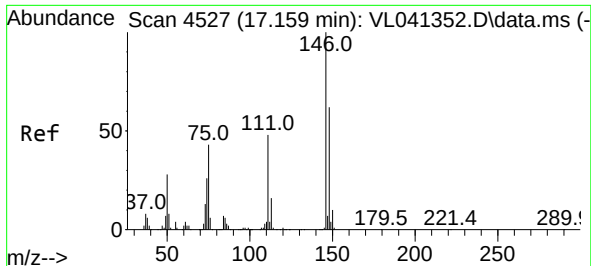
Ion Ratio Lower Upper

146 100

111 45.3 22.9 68.8

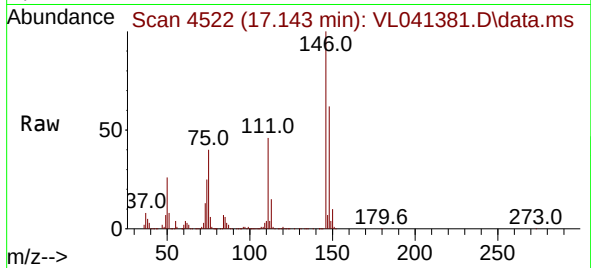
148 64.2 32.8 98.3





#77
1,2-Dichlorobenzene
Concen: 9.462 ppbv
RT: 17.143 min Scan# 4527
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

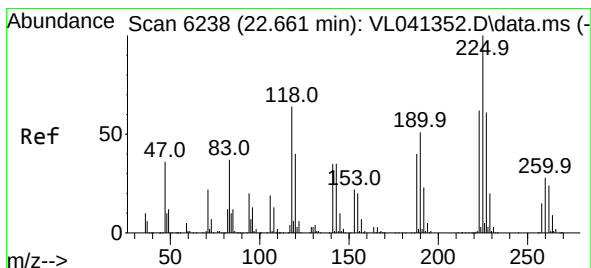
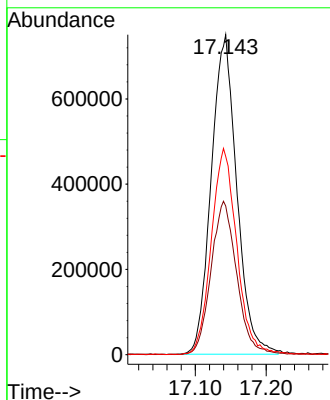
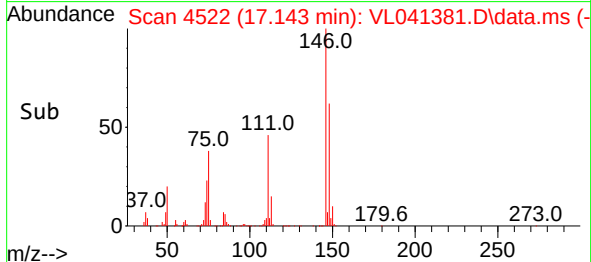
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:146 Resp: 187460
Ion Ratio Lower Upper
146 100
111 48.2 24.1 72.2
148 64.7 31.9 95.9

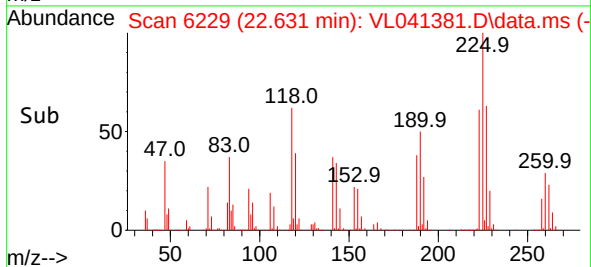
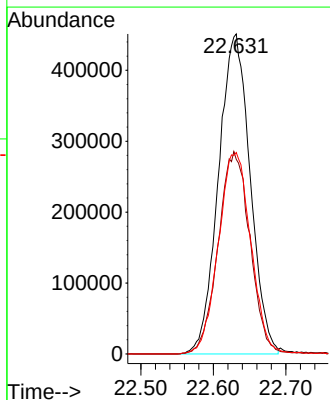
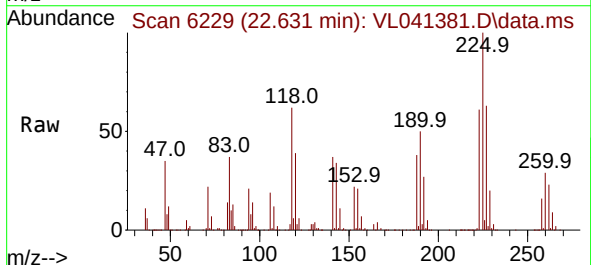
Manual Integrations
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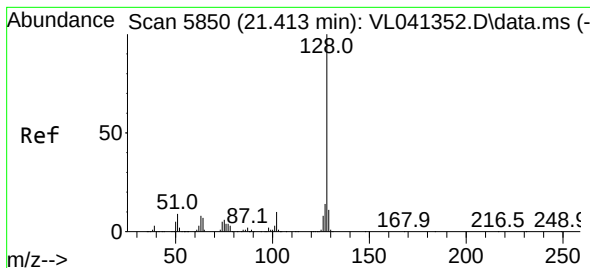
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#78
Hexachloro-1,3-Butadiene
Concen: 9.514 ppbv
RT: 22.631 min Scan# 6229
Delta R.T. 0.000 min
Lab File: VL041381.D
Acq: 22 Jul 2024 10:30

Tgt Ion:225 Resp: 1371004
Ion Ratio Lower Upper
225 100
223 63.5 51.3 76.9
227 64.7 51.8 77.8





#79

Naphthalene

Concen: 17.575 ppbv

RT: 21.384 min Scan# 5841

Delta R.T. 0.000 min

Lab File: VL041381.D

Acq: 22 Jul 2024 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:128 Resp: 309640

Ion Ratio Lower Upper

128 100

127 13.2 10.8 16.2

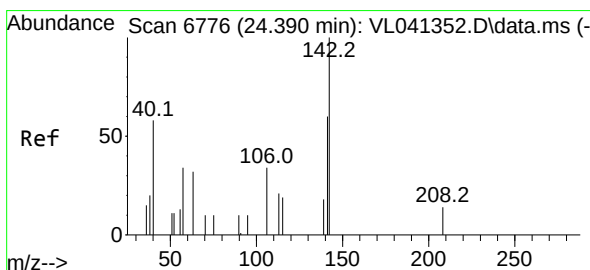
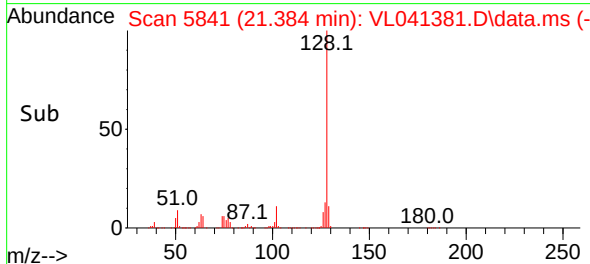
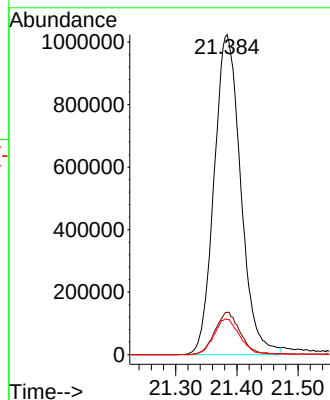
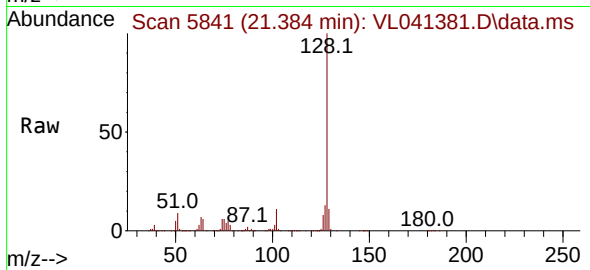
129 11.0 9.0 13.4

Manual Integrations

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#80

Naphthalene,2-methyl-

Concen: 165.153 ppbv

RT: 24.381 min Scan# 6773

Delta R.T. 0.000 min

Lab File: VL041381.D

Acq: 22 Jul 2024 10:30

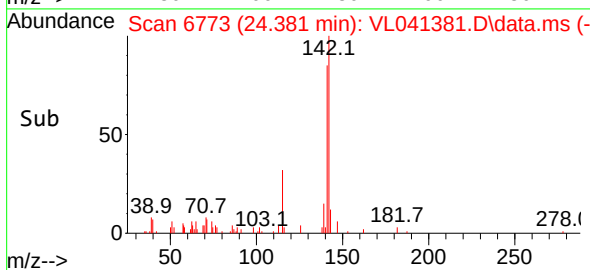
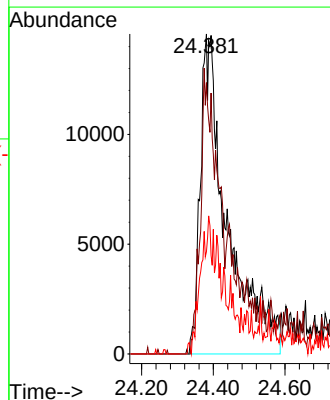
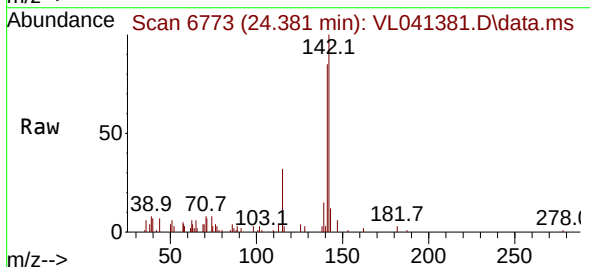
Tgt Ion:142 Resp: 76579

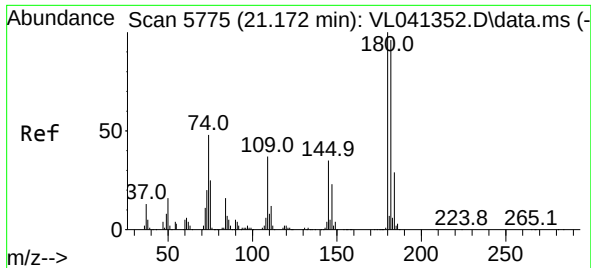
Ion Ratio Lower Upper

142 100

141 78.7 37.9 56.9#

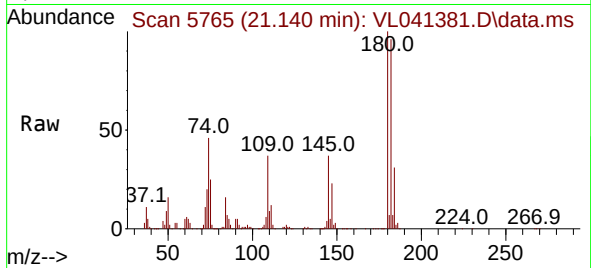
115 41.5 11.0 16.4#





#81
 1,2,4-Trichlorobenzene
 Concen: 14.133 ppbv
 RT: 21.140 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL041381.D
 Acq: 22 Jul 2024 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180 Resp: 1539000
 Ion Ratio Lower Upper
 180 100
 182 97.6 78.1 117.1
 184 30.7 25.2 37.8

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