

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042924\
 Data File : VL041180.D
 Acq On : 29 Apr 2024 12:08
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2024
 Supervised By :Mahesh Dadoda 04/30/2024

Quant Time: Apr 30 05:06:56 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

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

QLast Update : Tue Apr 30 05:04:57 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1076309	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2721509	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2647074	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.774 95 1958570 9.797 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.723	85	285521	1.919	ppbv	99
3) Chlorodifluoromethane	2.668	51	342576	2.088	ppbv	99
4) Chloromethane	2.806	50	138671	2.124	ppbv	93
5) Vinyl Chloride	2.912	62	131004	2.069	ppbv	92
6) Bromomethane	3.112	94	46782	1.994	ppbv	94
7) Chloroethane	3.189	64	45358	1.974	ppbv	94
8) Dichlorotetrafluoroethane	2.851	85	315688	2.100	ppbv	99
9) Propene	2.687	41	131647	2.056	ppbv	98
10) Heptane	7.571	43	316007	2.062	ppbv	98
11) Trichlorofluoromethane	3.555	101	307344	2.080	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.060	101	219116	1.985	ppbv	95
13) Ethanol	3.240	45	34621	2.504	ppbv	83
14) Bromoethene	3.356	108	95178	2.070	ppbv	98
15) Acetone	3.462	43	283319	2.206	ppbv	100
16) 1,3-Butadiene	2.977	39	127046m	1.990	ppbv	
17) tert-Butyl alcohol	3.870	59	306678	2.209	ppbv	98
18) 1,1-Dichloroethene	3.874	96	106386	2.101	ppbv	94
19) Isopropyl Alcohol	3.568	45	198803m	2.381	ppbv	
20) Methylene Chloride	3.928	84	91024	2.041	ppbv	93
21) Allyl Chloride	3.989	41	168195	2.010	ppbv	95
22) trans-1,2-Dichloroethene	4.439	96	102244	2.045	ppbv	96
23) Vinyl Acetate	4.623	43	279931	1.976	ppbv	99
24) 1,1-Dichloroethane	4.555	63	227028	2.079	ppbv	98
25) Ethyl Acetate	5.202	43	533627	2.118	ppbv	99
26) Hexane	5.208	57	238740	2.141	ppbv	99
27) Carbon Disulfide	4.118	76	277378	2.097	ppbv #	85
28) Methyl tert-Butyl Ether	4.581	73	185620	2.045	ppbv	99
29) Chloroform	5.266	83	327523	2.104	ppbv	99
30) Cyclohexane	6.597	84	186989	2.043	ppbv	97
31) cis-1,2-Dichloroethene	5.073	61	224494	2.102	ppbv	95
32) 1,1,1-Trichloroethane	5.999	97	330278	2.115	ppbv	99
34) 2-Butanone	4.784	43	274037	2.058	ppbv	96
35) Carbon Tetrachloride	6.488	117	316751	2.051	ppbv	95
36) Benzene	6.362	78	477811	2.087	ppbv	99
37) 1,2-Dichloroethane	5.800	62	248464	2.074	ppbv	98
38) Trichloroethene	7.285	130	171574	1.985	ppbv	97
39) 1,2-Dichloropropane	7.066	63	183483	2.074	ppbv	99
40) 1,4-Dioxane	7.285	88	77975m	2.469	ppbv	
41) Tetrahydrofuran	5.558	42	204565	2.078	ppbv	97
42) Bromodichloromethane	7.240	83	363205	2.077	ppbv #	99
43) Methyl Methacrylate	7.468	69	194484m	2.070	ppbv	
44) 2,2,4-Trimethylpentane	7.324	57	838853	2.116	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	137893	2.005	ppbv	99

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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2024
 Supervised By :Mahesh Dadoda 04/30/2024

Quant Time: Apr 30 05:06:56 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

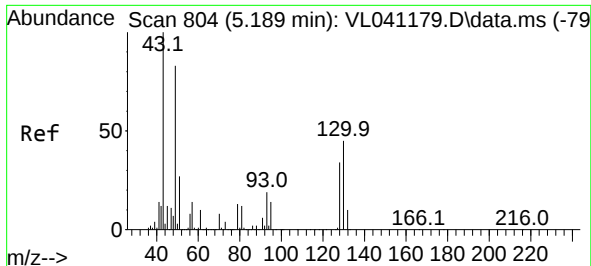
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Apr 30 05:04:57 2024

Response via : Initial Calibration

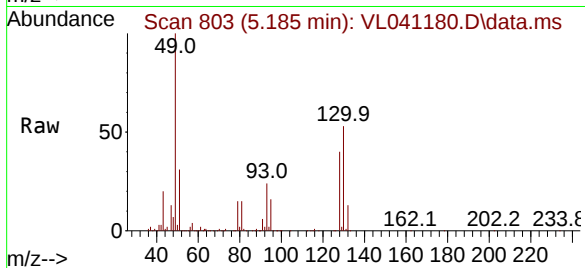
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	171920	2.065	ppbv	95
47) 1,1,2-Trichloroethane	8.893	97	184393	2.094	ppbv	98
48) Dibromochloromethane	9.703	129	301881	2.119	ppbv	99
49) Bromoform	12.404	173	258427	2.113	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	544700	2.167	ppbv	99
51) 2-Hexanone	9.552	43	404415	2.210	ppbv #	99
52) Tetrachloroethene	10.610	164	169148	2.097	ppbv	96
53) Toluene	9.214	91	565315	2.118	ppbv	99
54) 1,2-Dibromoethane	10.002	107	253281	2.116	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.500	131	228733	2.087	ppbv #	1
57) Chlorobenzene	11.520	112	406860	2.102	ppbv	96
58) Ethyl Benzene	12.082	91	761110	2.088	ppbv	97
59) m/p-Xylene	12.368	91	1285787m	4.202	ppbv	
60) o-Xylene	13.053	91	593818	2.067	ppbv	100
61) Styrene	12.889	104	308755	2.058	ppbv	99
62) Isopropylbenzene	14.024	105	904946	2.097	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.040	83	417149	2.138	ppbv	100
64) n-propylbenzene	14.912	120	225658	2.086	ppbv	90
65) tert-Butylbenzene	16.082	119	814409	2.135	ppbv	100
66) Benzyl Chloride	16.323	91	92074m	2.028	ppbv	
67) sec-Butylbenzene	16.629	105	1150769	2.133	ppbv	100
69) p-Isopropyltoluene	16.989	119	956636	2.139	ppbv	98
70) n-Butylbenzene	17.879	91	1003678	2.160	ppbv	99
71) 2-Chlorotoluene	14.796	91	689763	2.092	ppbv	98
72) 4-Ethyltoluene	15.188	105	677435	2.067	ppbv	98
73) 1,3,5-Trimethylbenzene	15.346	105	616820	2.076	ppbv	98
74) 1,2,4-Trimethylbenzene	16.098	105	691367	2.138	ppbv	95
75) 1,3-Dichlorobenzene	16.326	146	388460	2.134	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	371195	2.094	ppbv	96
77) 1,2-Dichlorobenzene	17.140	146	383148	2.083	ppbv	99
78) Hexachloro-1,3-Butadiene	22.632	225	365055	2.233	ppbv	99
79) Naphthalene	21.381	128	752980	2.456	ppbv	97
80) Naphthalene,2-methyl-	24.365	142	318754	2.470	ppbv	93
81) 1,2,4-Trichlorobenzene	21.130	180	368750	2.251	ppbv	100

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 804
Delta R.T. -0.004 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

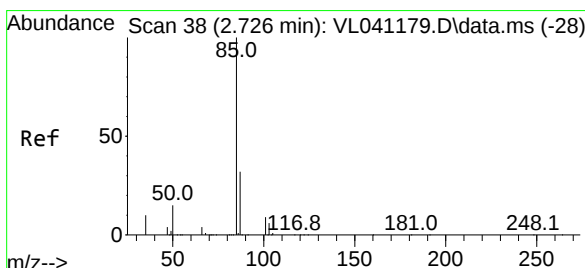
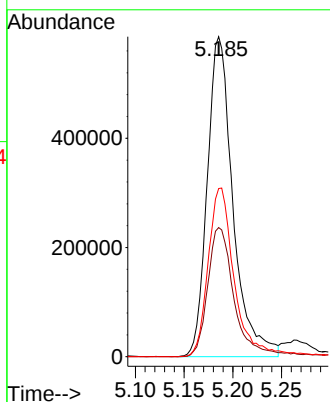
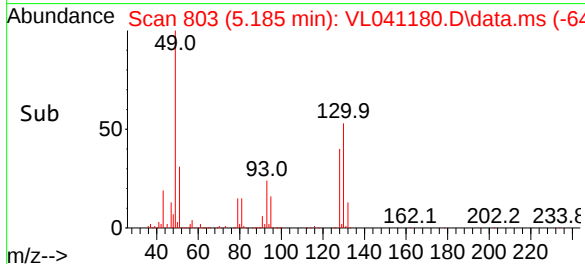
Instrument :
MSVOA_L
Client Sample Id :
VSTDIC002



Tgt Ion: 49 Resp: 1076309
Ion Ratio Lower Upper
49 100
128 42.5 21.5 64.5
130 55.3 27.2 81.6

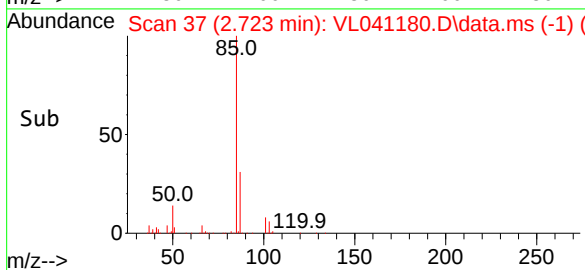
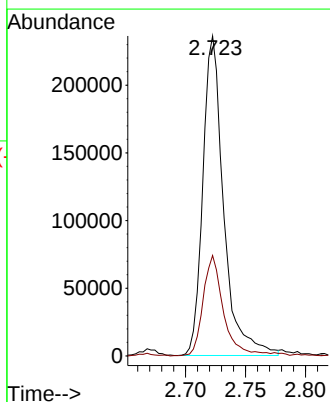
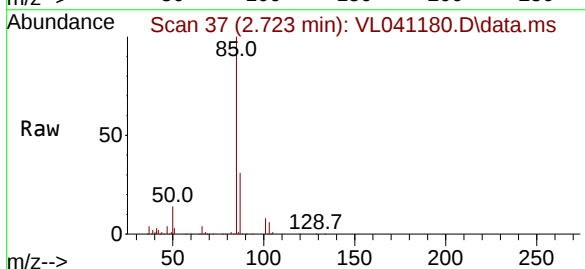
Manual Integrations
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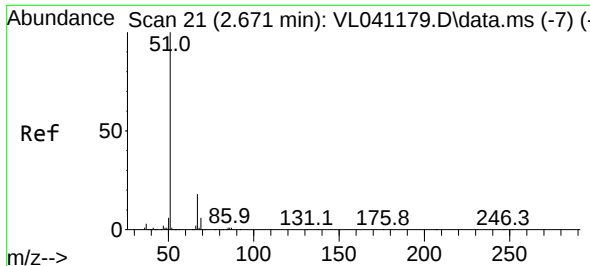
Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#2
Dichlorodifluoromethane
Concen: 1.919 ppbv
RT: 2.723 min Scan# 37
Delta R.T. -0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

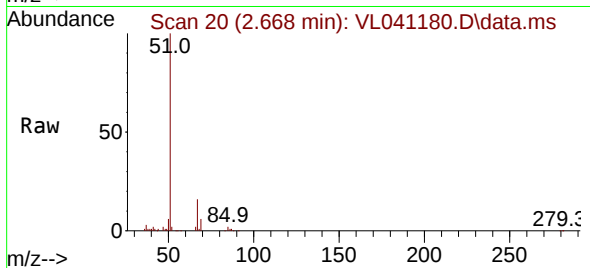
Tgt Ion: 85 Resp: 285521
Ion Ratio Lower Upper
85 100
87 31.4 25.7 38.5





#3
Chlorodifluoromethane
Concen: 2.088 ppbv
RT: 2.668 min Scan# 20
Delta R.T. -0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

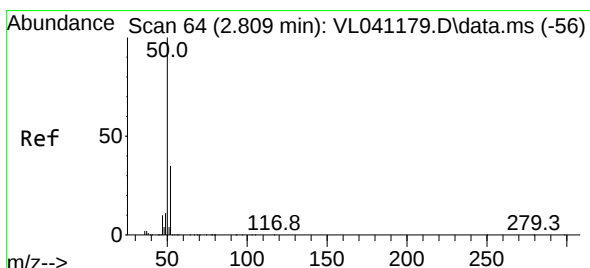
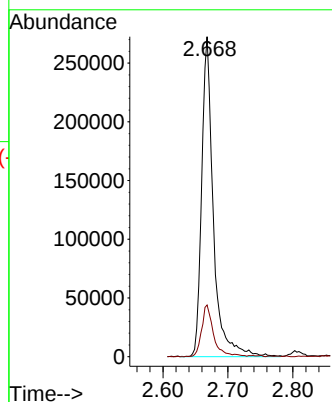
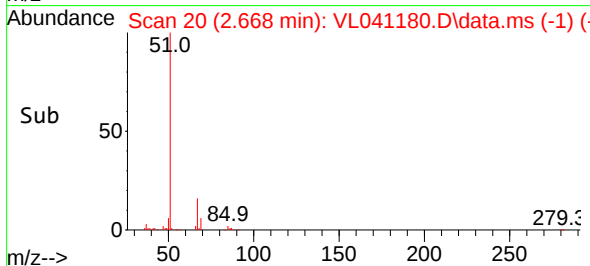
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 51 Resp: 342570
Ion Ratio Lower Upper
51 100
67 17.0 14.0 21.0

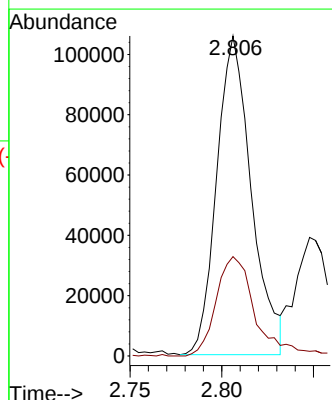
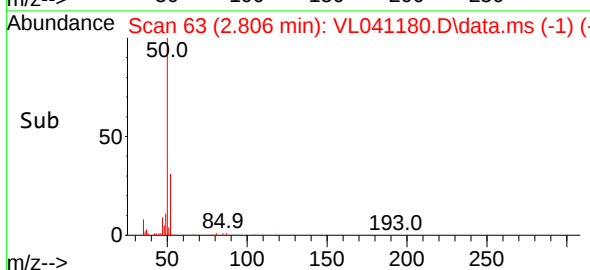
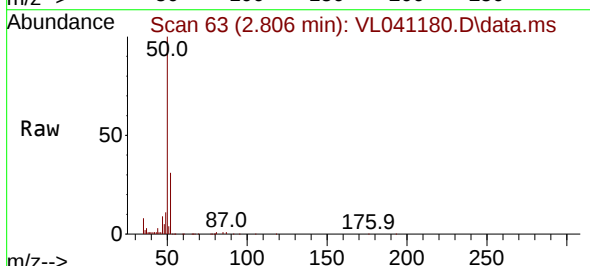
Manual Integrations
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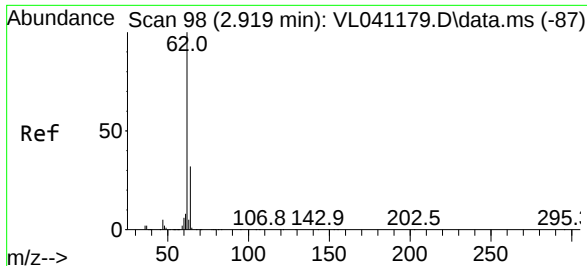
Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#4
Chloromethane
Concen: 2.124 ppbv
RT: 2.806 min Scan# 63
Delta R.T. -0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

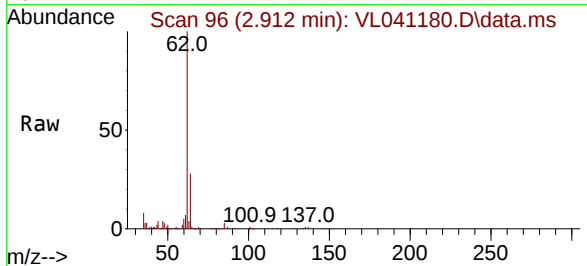
Tgt Ion: 50 Resp: 138671
Ion Ratio Lower Upper
50 100
52 31.2 28.3 42.5





#5
 Vinyl Chloride
 Concen: 2.069 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. -0.006 min
 Lab File: VL041180.D
 Acq: 29 Apr 2024 12:08

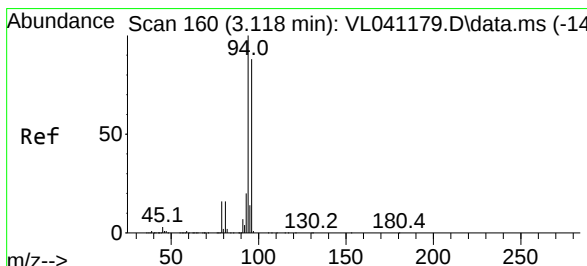
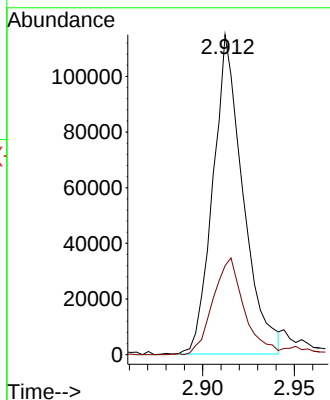
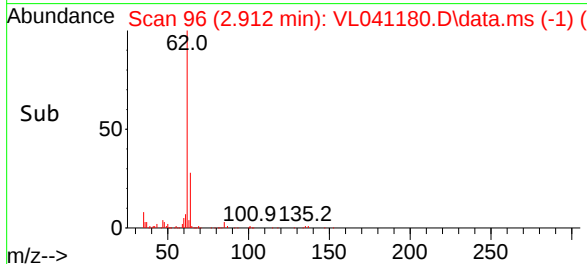
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion: 62 Resp: 131004
 Ion Ratio Lower Upper
 62 100
 64 27.4 25.7 38.5

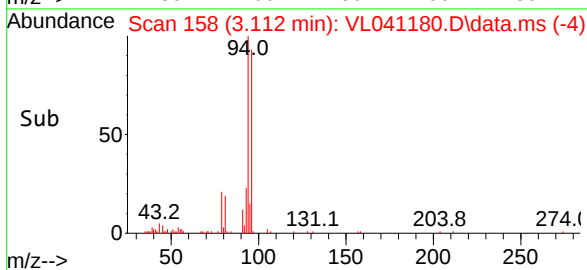
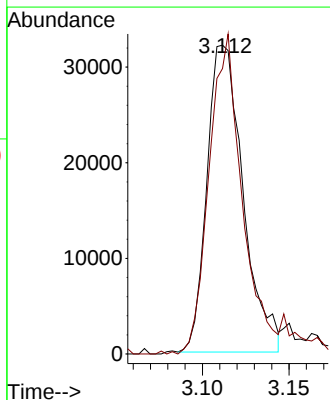
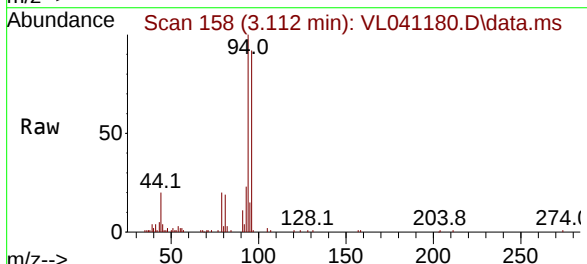
Manual Integrations
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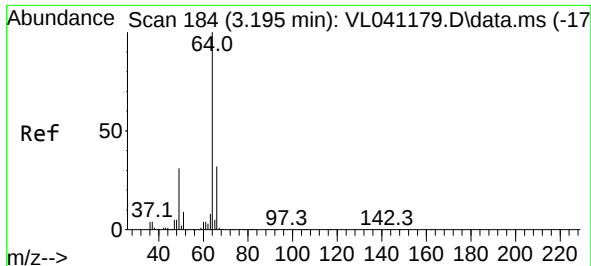
Reviewed By :Semsettin Yesilyurt 04/30/2024
 Supervised By :Mahesh Dadoda 04/30/2024



#6
 Bromomethane
 Concen: 1.994 ppbv
 RT: 3.112 min Scan# 158
 Delta R.T. -0.006 min
 Lab File: VL041180.D
 Acq: 29 Apr 2024 12:08

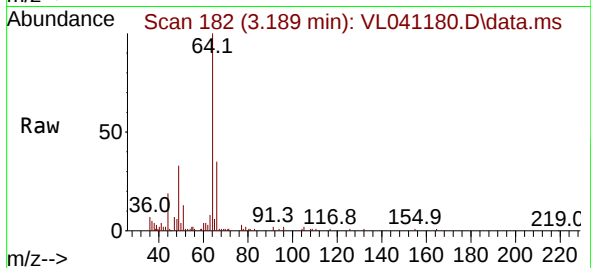
Tgt Ion: 94 Resp: 46782
 Ion Ratio Lower Upper
 94 100
 96 93.0 70.1 105.1





#7
Chloroethane
Concen: 1.974 ppbv
RT: 3.189 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

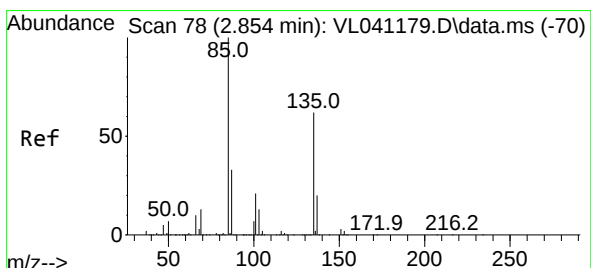
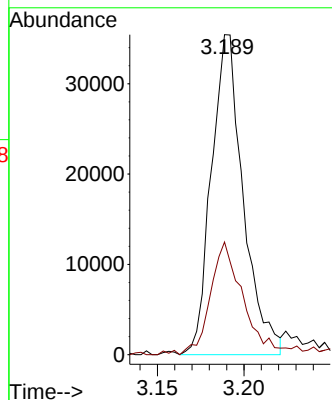
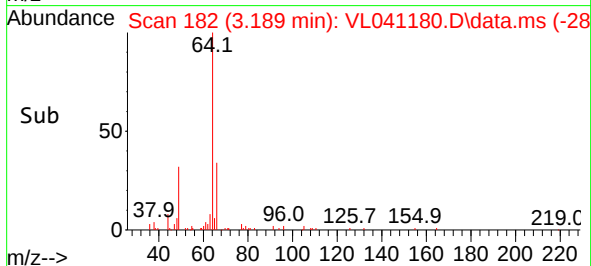
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 64 Resp: 45358
Ion Ratio Lower Upper
64 100
66 35.2 25.4 38.2

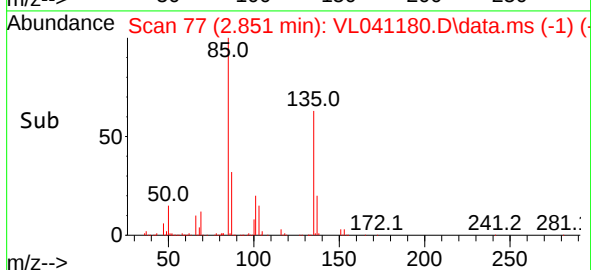
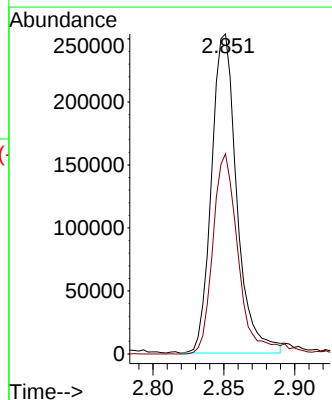
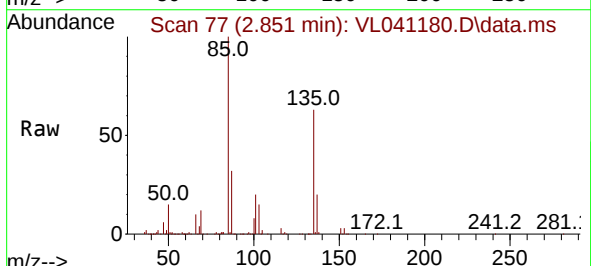
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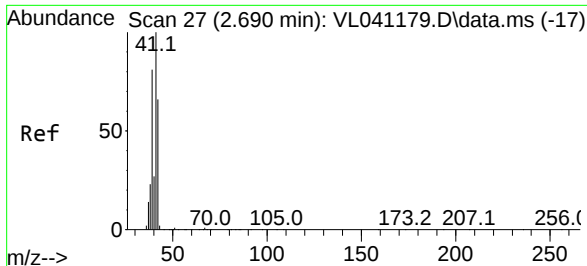
Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#8
Dichlorotetrafluoroethane
Concen: 2.100 ppbv
RT: 2.851 min Scan# 77
Delta R.T. -0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

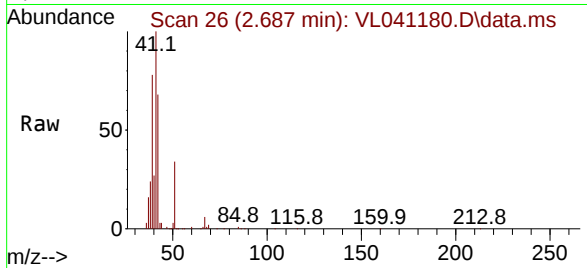
Tgt Ion: 85 Resp: 315688
Ion Ratio Lower Upper
85 100
135 64.9 51.5 77.3





#9
Propene
Concen: 2.056 ppbv
RT: 2.687 min Scan# 20
Delta R.T. -0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

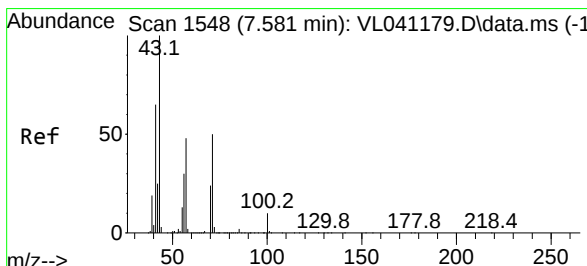
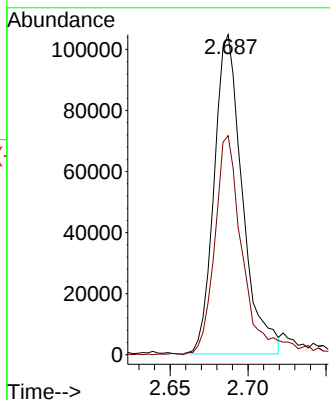
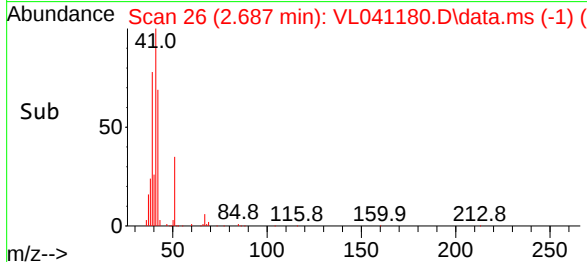
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 41 Resp: 13164
Ion Ratio Lower Upper
41 100
42 70.4 55.3 82.9

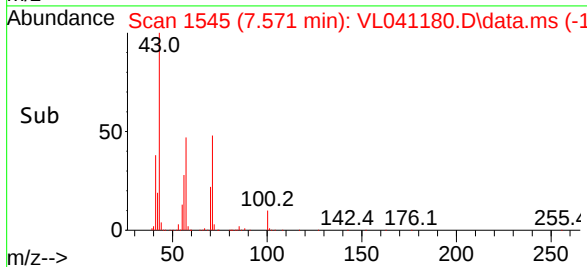
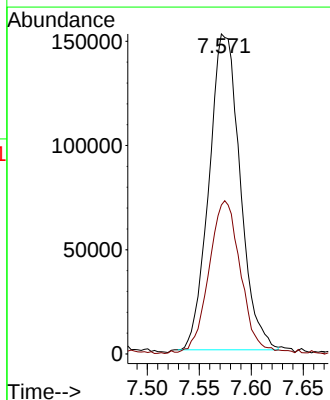
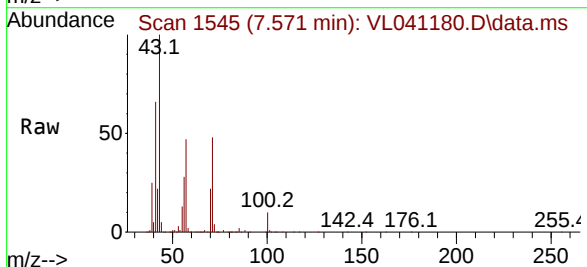
Manual Integrations
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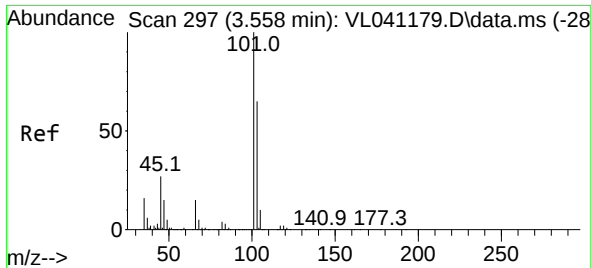
Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#10
Heptane
Concen: 2.062 ppbv
RT: 7.571 min Scan# 1545
Delta R.T. -0.010 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Tgt Ion: 43 Resp: 316007
Ion Ratio Lower Upper
43 100
57 50.0 38.7 58.1





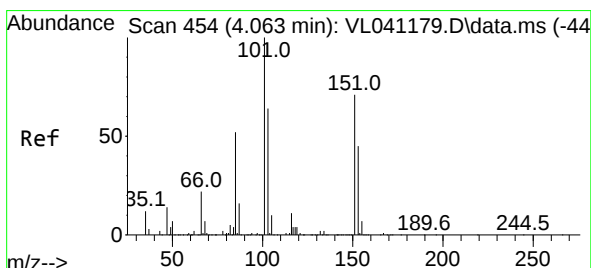
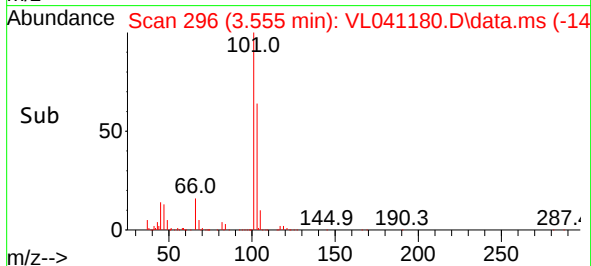
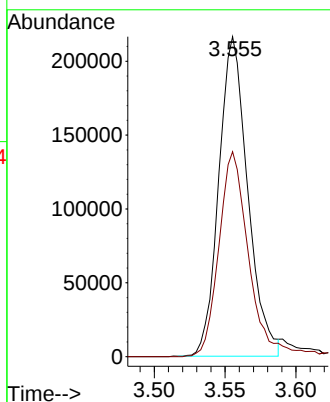
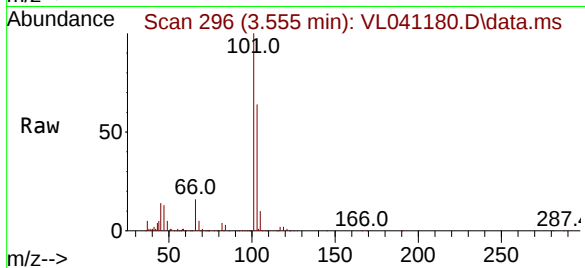
#11
 Trichlorofluoromethane
 Concen: 2.080 ppbv
 RT: 3.555 min Scan# 297
 Delta R.T. -0.003 min
 Lab File: VL041180.D
 Acq: 29 Apr 2024 12:08

Instrument : MSVOA_L
 ClientSampleId : VSTDIC002

Tgt Ion:101 Resp: 307344
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.6 77.4

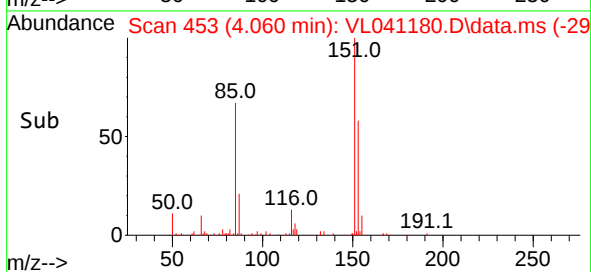
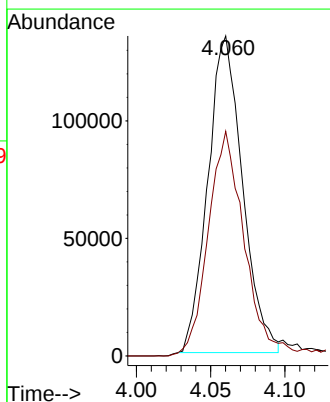
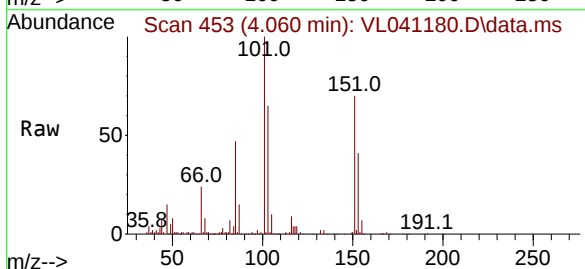
Manual Integrations
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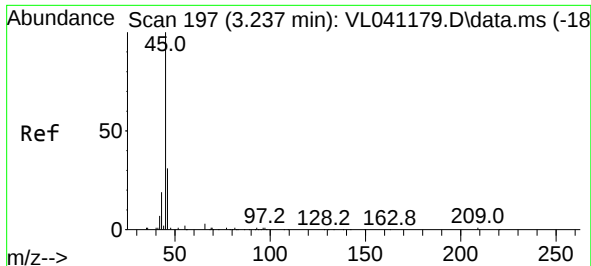
Reviewed By :Semsettin Yesilyurt 04/30/2024
 Supervised By :Mahesh Dadoda 04/30/2024



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.985 ppbv
 RT: 4.060 min Scan# 453
 Delta R.T. -0.003 min
 Lab File: VL041180.D
 Acq: 29 Apr 2024 12:08

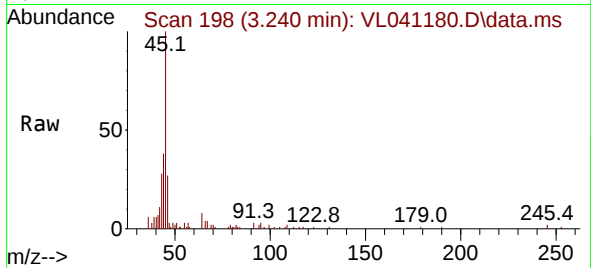
Tgt Ion:101 Resp: 219116
 Ion Ratio Lower Upper
 101 100
 151 75.4 56.8 85.2





#13
Ethanol
Concen: 2.504 ppbv
RT: 3.240 min Scan# 197
Delta R.T. 0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

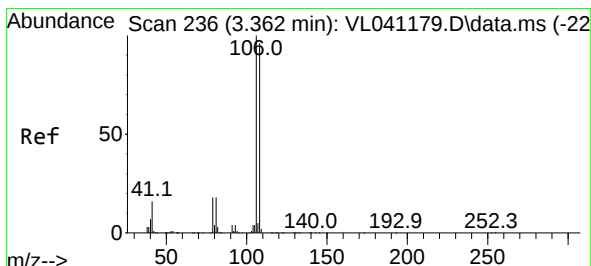
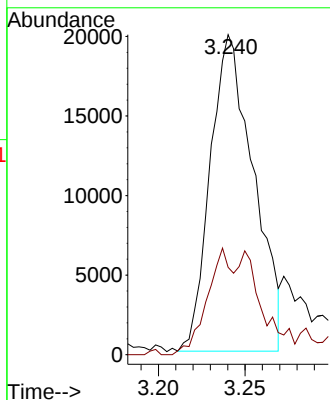
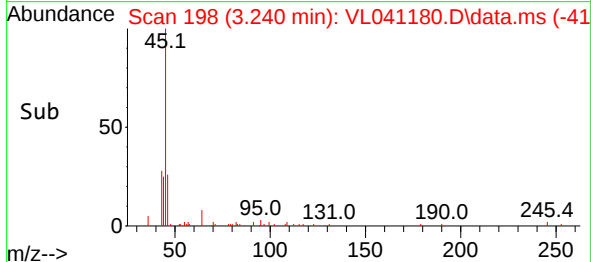
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 45 Resp: 3462
Ion Ratio Lower Upper
45 100
46 47.1 14.8 59.0

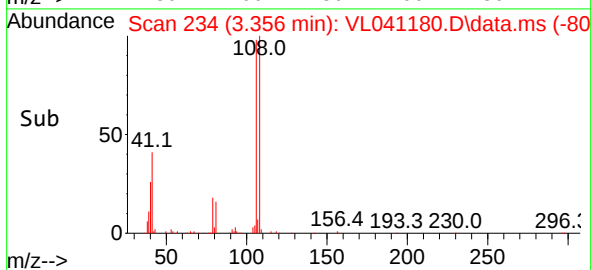
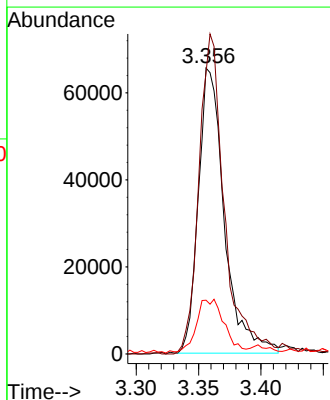
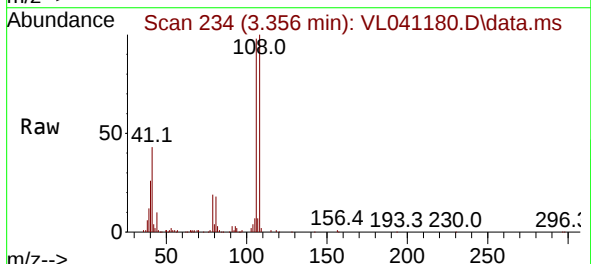
Manual Integrations
APPROVED

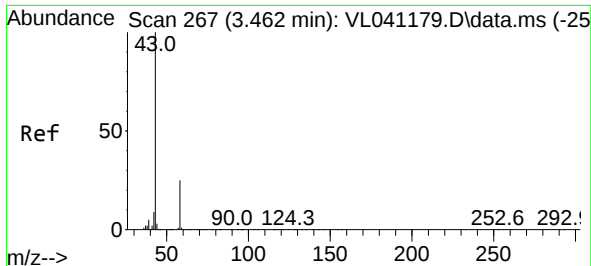
Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#14
Bromoethene
Concen: 2.070 ppbv
RT: 3.356 min Scan# 234
Delta R.T. -0.006 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Tgt Ion:108 Resp: 95178
Ion Ratio Lower Upper
108 100
106 112.8 88.2 132.4
79 23.1 17.4 26.0





#15

Acetone

Concen: 2.206 ppbv

RT: 3.462 min Scan# 20

Delta R.T. -0.000 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 43 Resp: 283319

Ion Ratio Lower Upper

43 100

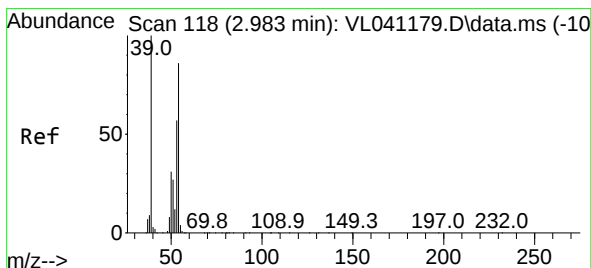
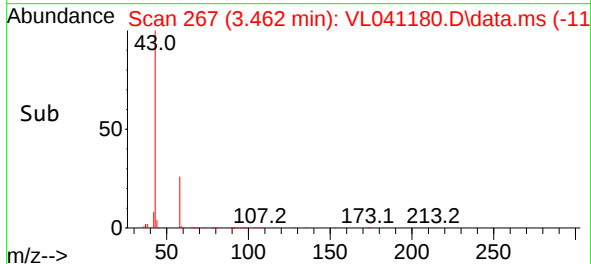
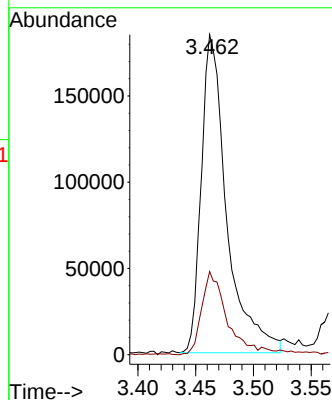
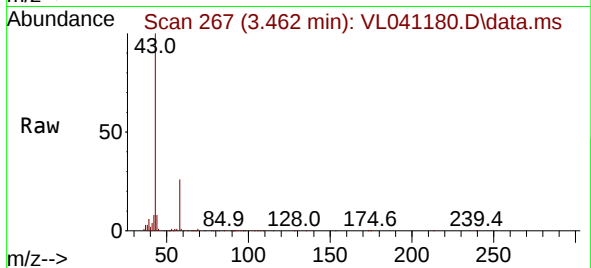
58 26.5 21.4 32.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2024

Supervised By :Mahesh Dadoda 04/30/2024



#16

1,3-Butadiene

Concen: 1.990 ppbv m

RT: 2.977 min Scan# 116

Delta R.T. -0.006 min

Lab File: VL041180.D

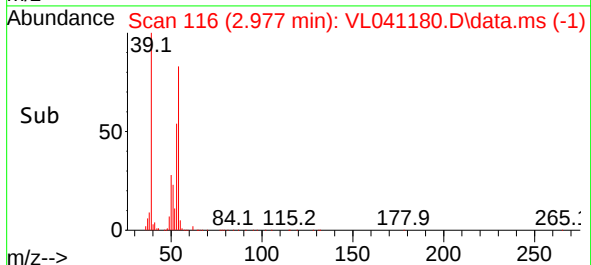
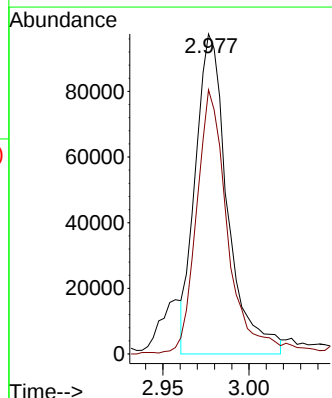
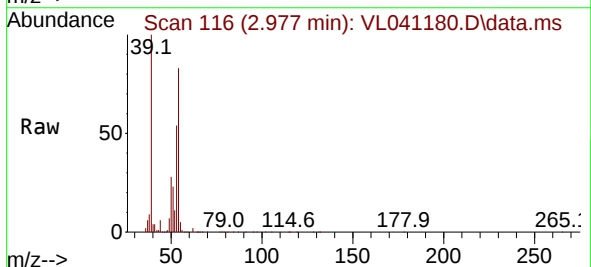
Acq: 29 Apr 2024 12:08

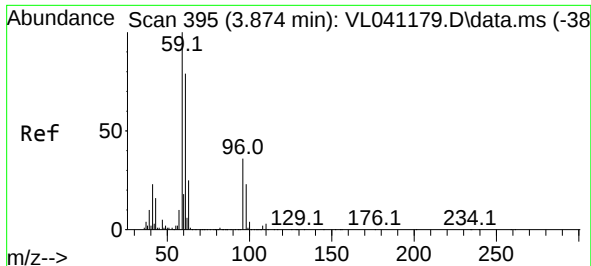
Tgt Ion: 39 Resp: 127046

Ion Ratio Lower Upper

39 100

54 84.6 62.2 93.4





#17

tert-Butyl alcohol

Concen: 2.209 ppbv

RT: 3.870 min Scan# 394

Delta R.T. -0.003 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 59 Resp: 306678

Ion Ratio Lower Upper

59 100

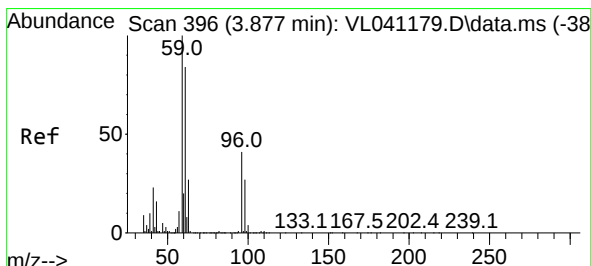
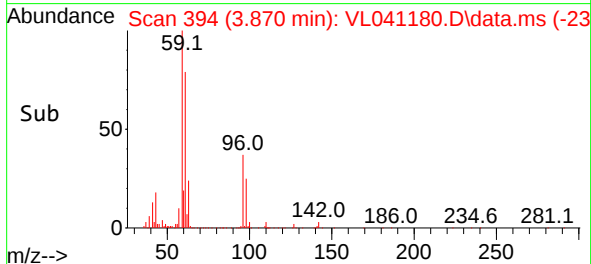
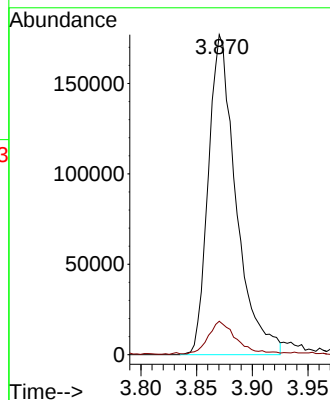
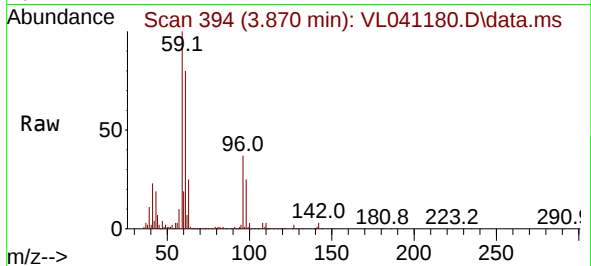
57 11.3 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2024

Supervised By :Mahesh Dadoda 04/30/2024



#18

1,1-Dichloroethene

Concen: 2.101 ppbv

RT: 3.874 min Scan# 395

Delta R.T. -0.003 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

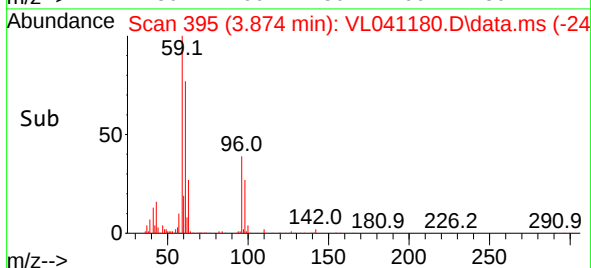
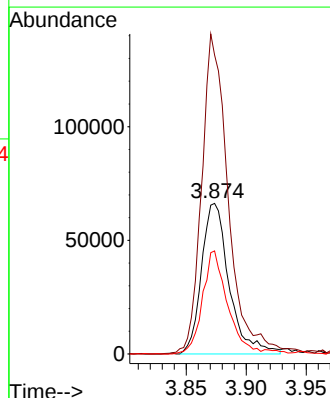
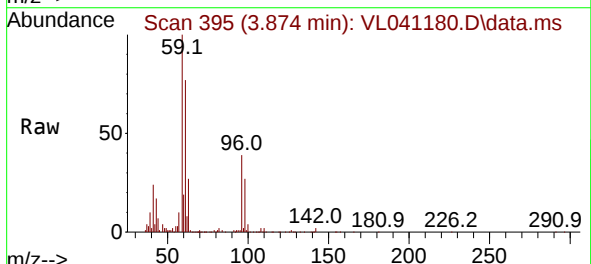
Tgt Ion: 96 Resp: 106386

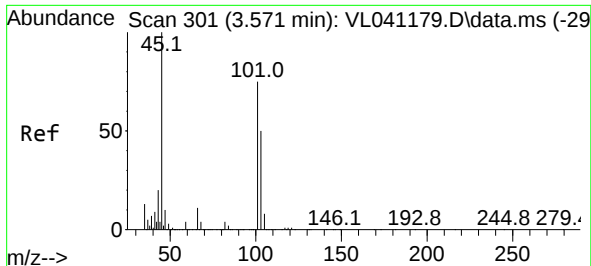
Ion Ratio Lower Upper

96 100

61 195.0 164.4 246.6

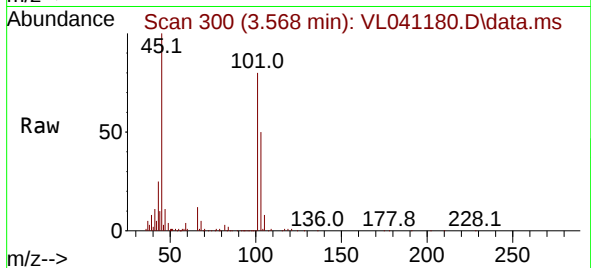
98 67.3 51.8 77.8





#19
Isopropyl Alcohol
Concen: 2.381 ppbv m
RT: 3.568 min Scan# 301
Delta R.T. -0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

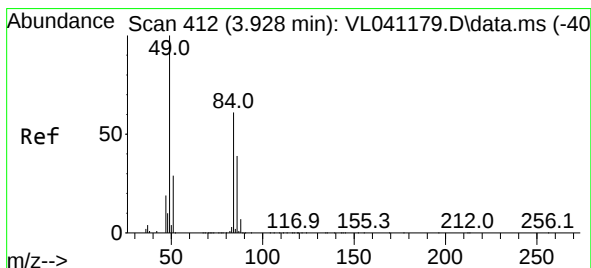
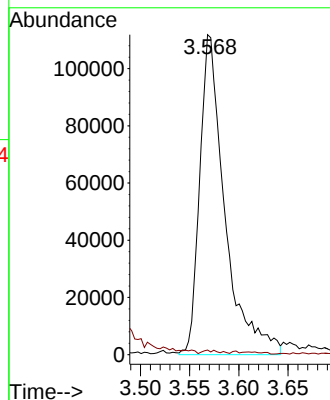
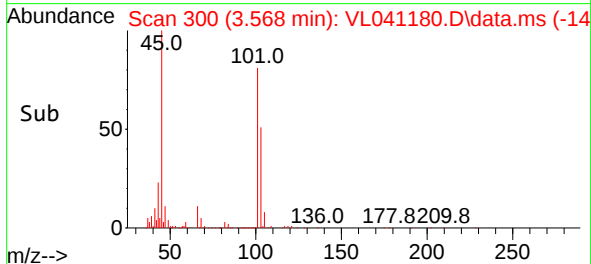
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 45 Resp: 19880
Ion Ratio Lower Upper
45 100
58 0.0 26.8 40.2

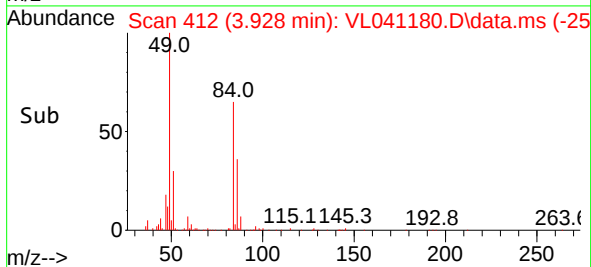
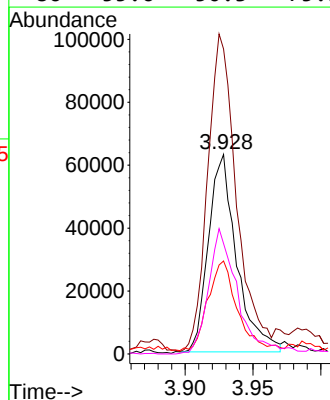
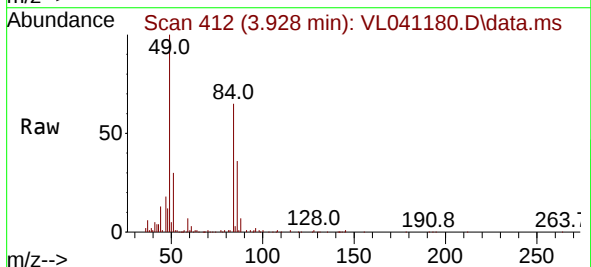
Manual Integrations
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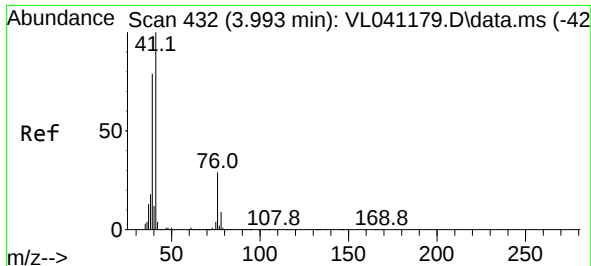
Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#20
Methylene Chloride
Concen: 2.041 ppbv
RT: 3.928 min Scan# 412
Delta R.T. -0.000 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

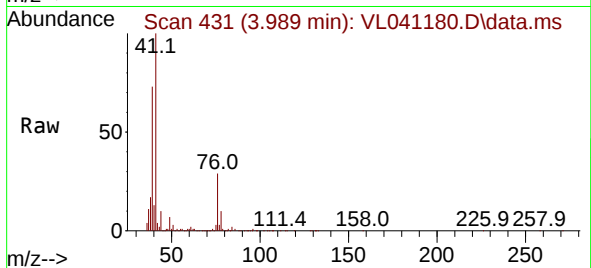
Tgt Ion: 84 Resp: 91024
Ion Ratio Lower Upper
84 100
49 153.2 130.4 195.6
51 45.4 38.0 57.0
86 55.6 50.3 75.5





#21
 Allyl Chloride
 Concen: 2.010 ppbv
 RT: 3.989 min Scan# 411
 Delta R.T. -0.003 min
 Lab File: VL041180.D
 Acq: 29 Apr 2024 12:08

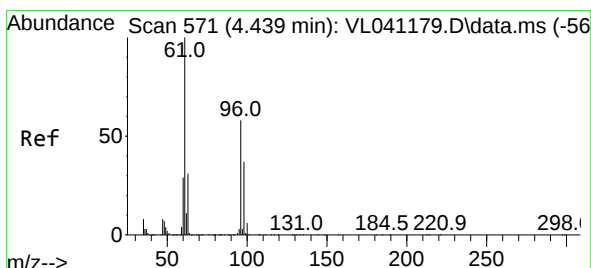
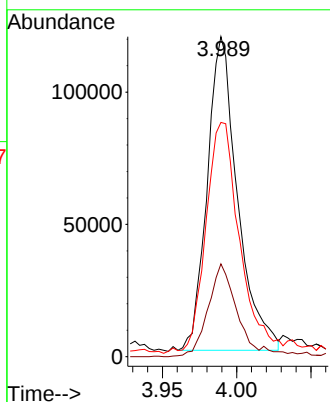
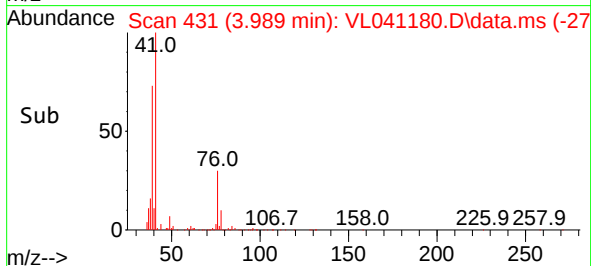
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion: 41 Resp: 16819
 Ion Ratio Lower Upper
 41 100
 76 29.3 23.7 35.5
 39 87.3 64.7 97.1

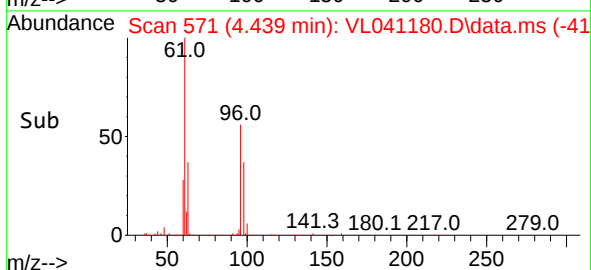
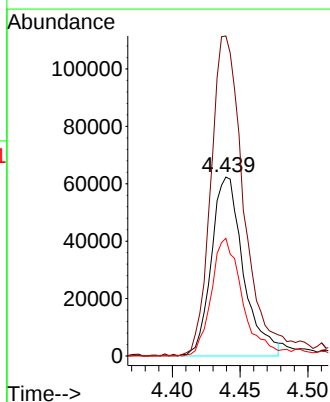
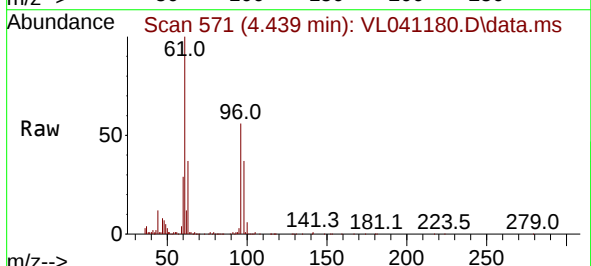
Manual Integrations
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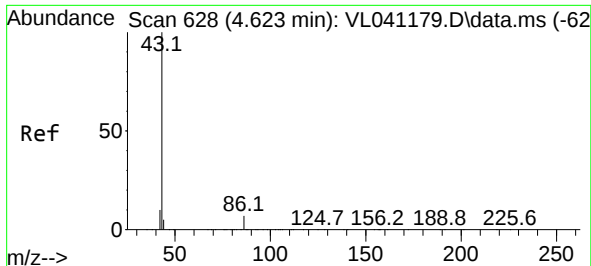
Reviewed By :Semsettin Yesilyurt 04/30/2024
 Supervised By :Mahesh Dadoda 04/30/2024



#22
 trans-1,2-Dichloroethene
 Concen: 2.045 ppbv
 RT: 4.439 min Scan# 571
 Delta R.T. -0.000 min
 Lab File: VL041180.D
 Acq: 29 Apr 2024 12:08

Tgt Ion: 96 Resp: 102244
 Ion Ratio Lower Upper
 96 100
 61 178.9 137.6 206.4
 98 65.4 50.6 76.0





#23
 Vinyl Acetate
 Concen: 1.976 ppbv
 RT: 4.623 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL041180.D
 Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

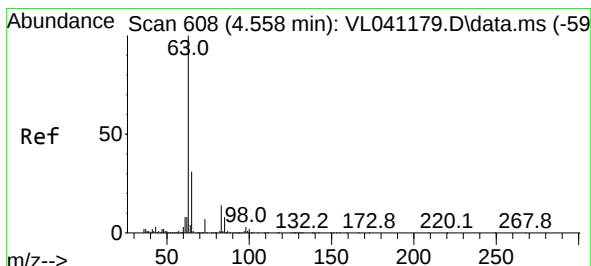
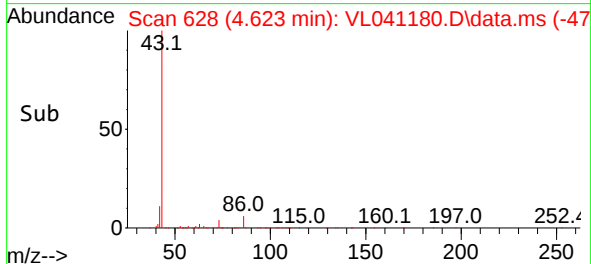
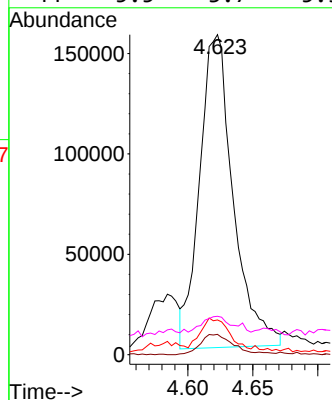
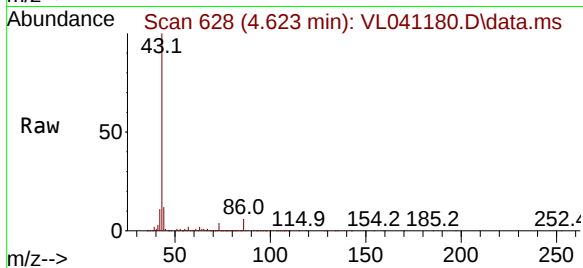
VSTDICC002

Tgt Ion: 43 Resp: 27993
 Ion Ratio Lower Upper
 43 100
 86 6.5 4.9 7.3
 42 10.3 8.0 12.0
 44 5.5 3.7 5.5

Manual Integrations

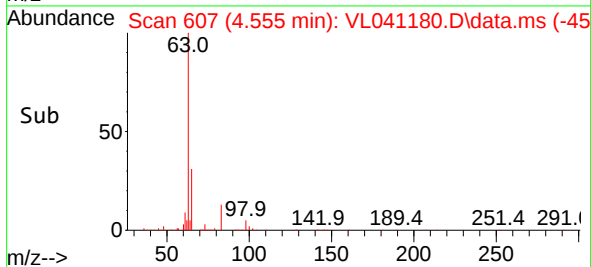
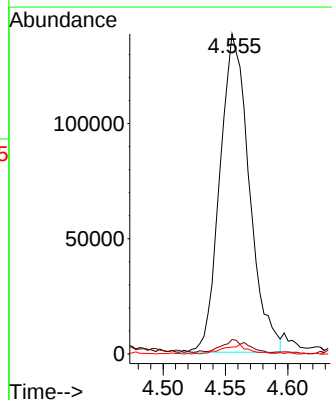
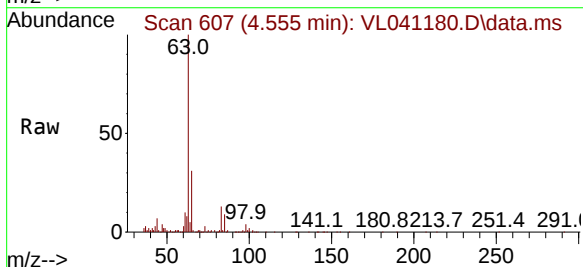
APPROVED

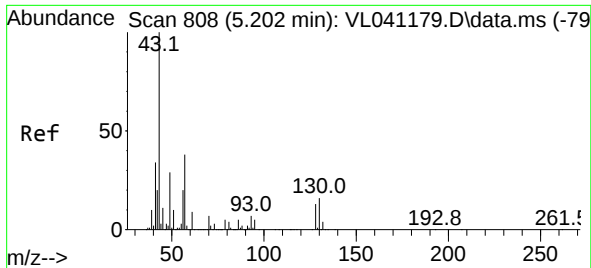
Reviewed By :Semsettin Yesilyurt 04/30/2024
 Supervised By :Mahesh Dadoda 04/30/2024



#24
 1,1-Dichloroethane
 Concen: 2.079 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. -0.003 min
 Lab File: VL041180.D
 Acq: 29 Apr 2024 12:08

Tgt Ion: 63 Resp: 227028
 Ion Ratio Lower Upper
 63 100
 98 3.9 1.6 4.8
 100 2.0 1.1 3.5





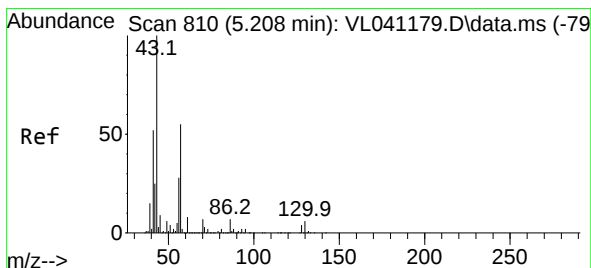
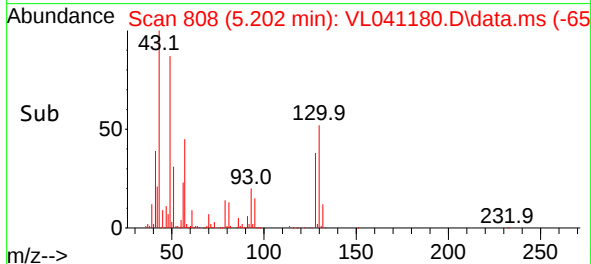
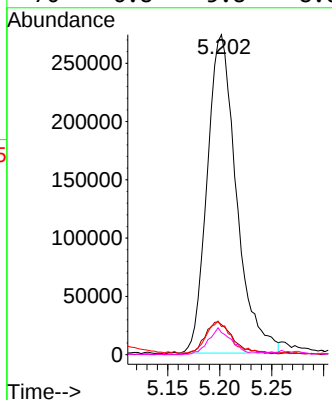
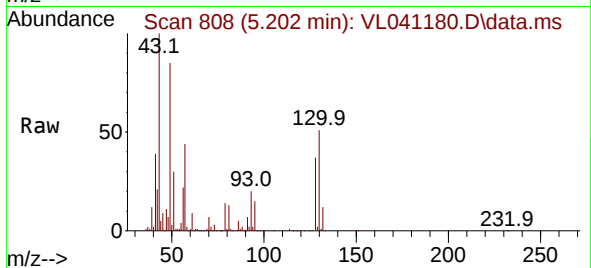
#25
Ethyl Acetate
Concen: 2.118 ppbv
RT: 5.202 min Scan# 808
Delta R.T. 0.000 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43	Resp: 53362
Ion Ratio	Lower Upper
43 100	
45 9.9	8.2 12.2
61 9.8	7.7 11.5
70 6.8	5.8 8.6

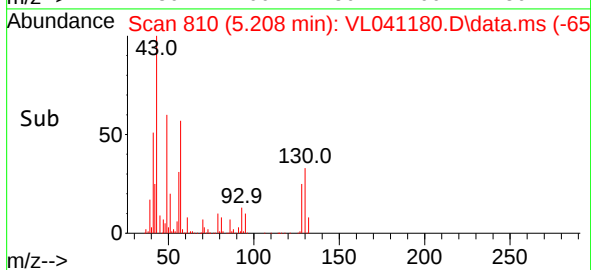
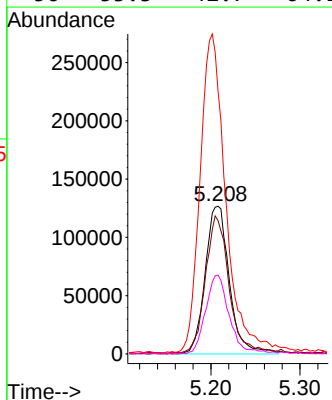
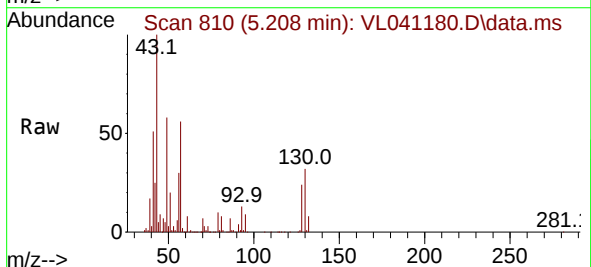
Manual Integrations
APPROVED

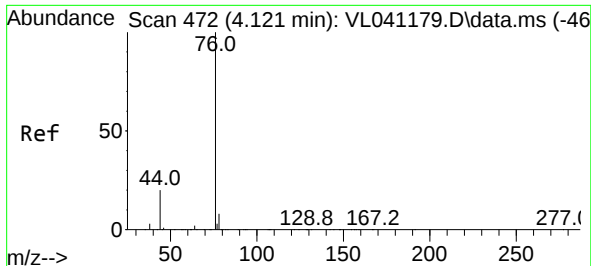
Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#26
Hexane
Concen: 2.141 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.000 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Tgt Ion: 57	Resp: 238740
Ion Ratio	Lower Upper
57 100	
41 92.6	75.8 113.8
43 235.1	187.0 280.4
56 53.3	42.7 64.1





#27

Carbon Disulfide

Concen: 2.097 ppbv

RT: 4.118 min Scan# 471

Delta R.T. -0.003 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

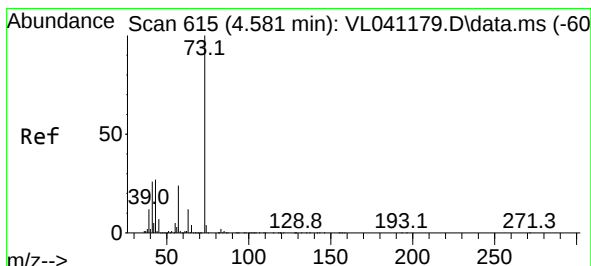
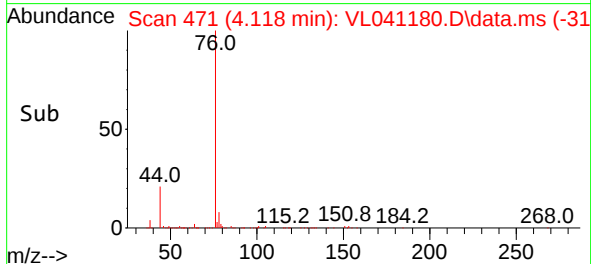
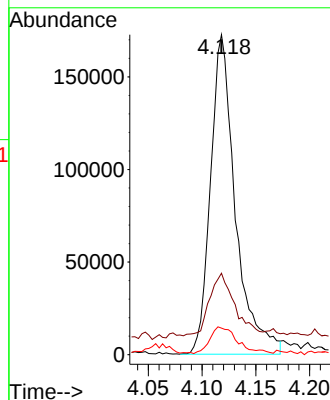
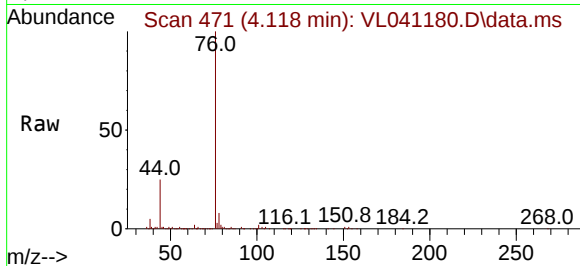
Tgt Ion: 76 Resp: 277378

Ion	Ratio	Lower	Upper
76	100		
44	29.4	16.3	24.5
78	10.9	7.3	10.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#28

Methyl tert-Butyl Ether

Concen: 2.045 ppbv

RT: 4.581 min Scan# 615

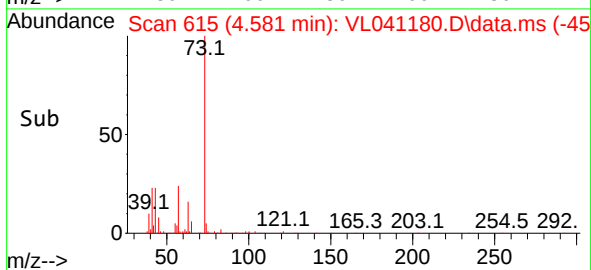
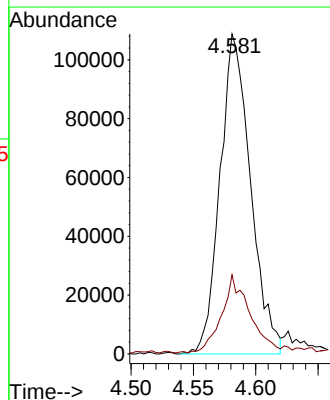
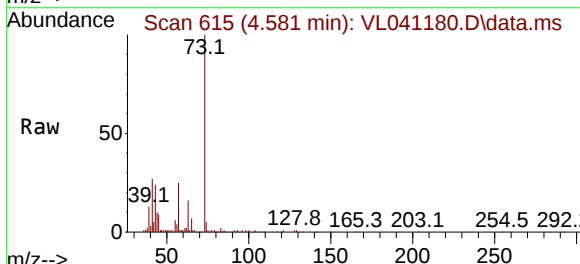
Delta R.T. 0.000 min

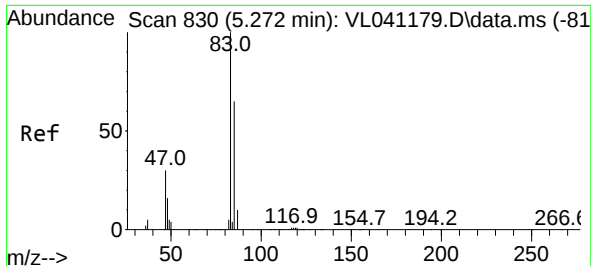
Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Tgt Ion: 73 Resp: 185620

Ion	Ratio	Lower	Upper
73	100		
57	23.9	18.8	28.2





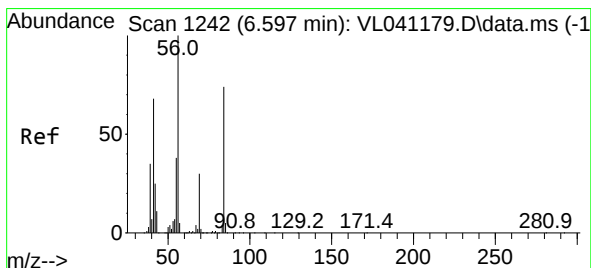
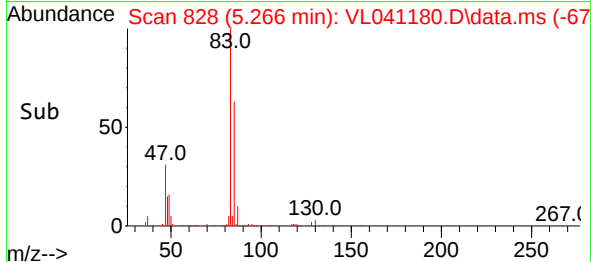
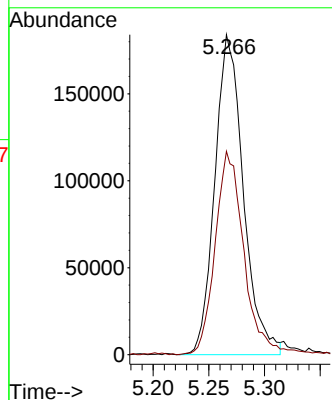
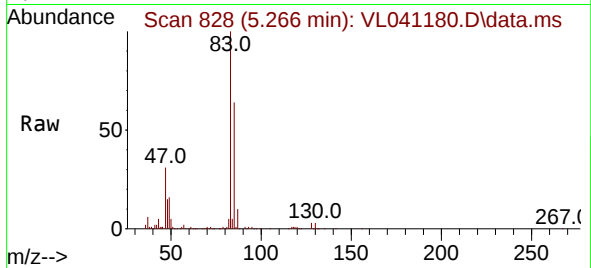
#29
Chloroform
Concen: 2.104 ppbv
RT: 5.266 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 32752
Ion Ratio Lower Upper
83 100
85 63.4 51.7 77.5

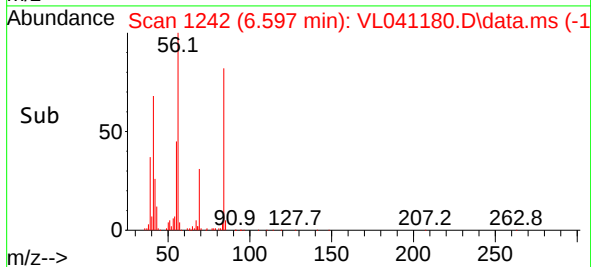
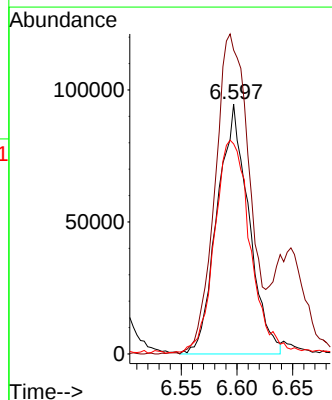
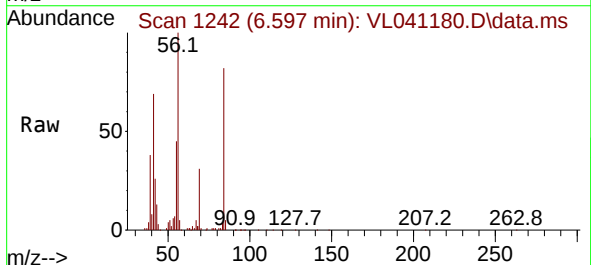
Manual Integrations
APPROVED

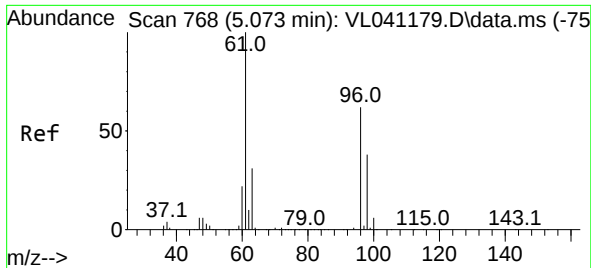
Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#30
Cyclohexane
Concen: 2.043 ppbv
RT: 6.597 min Scan# 1242
Delta R.T. 0.000 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Tgt Ion: 84 Resp: 186989
Ion Ratio Lower Upper
84 100
56 144.2 116.8 175.2
41 97.2 73.8 110.8





#31
cis-1,2-Dichloroethene
Concen: 2.102 ppbv
RT: 5.073 min Scan# 768
Delta R.T. -0.000 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

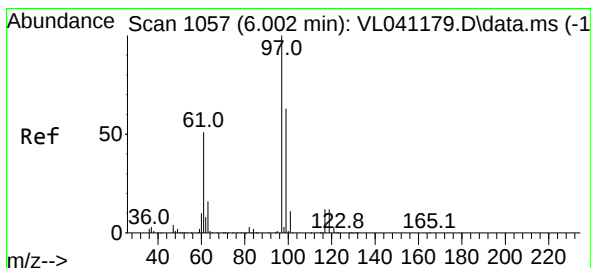
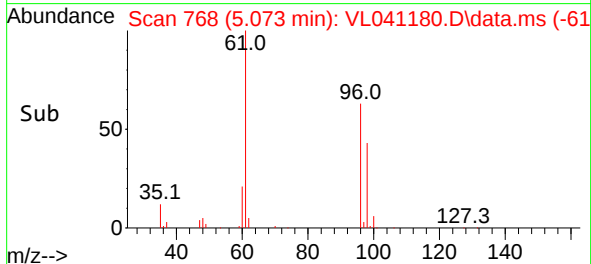
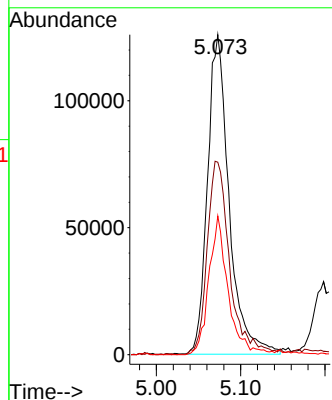
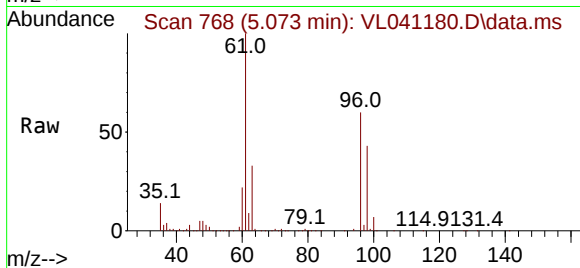
VSTDICC002

Tgt Ion: 61 Resp: 224494
Ion Ratio Lower Upper
61 100
96 60.0 49.8 74.6
98 43.4 30.0 45.0

Manual Integrations

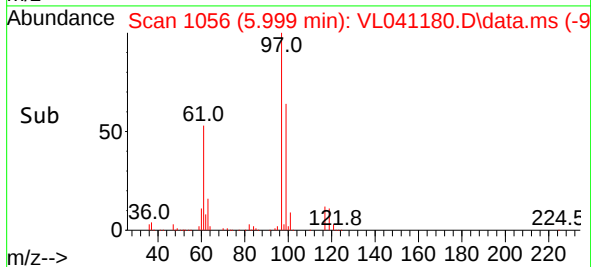
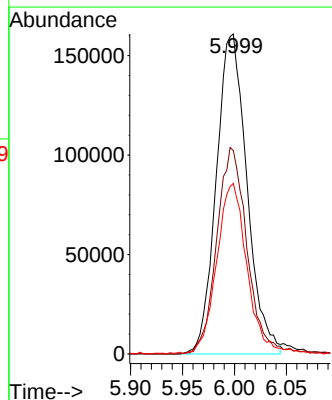
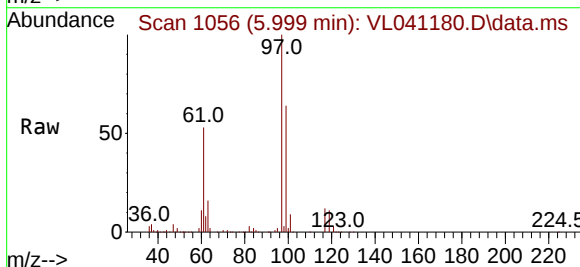
APPROVED

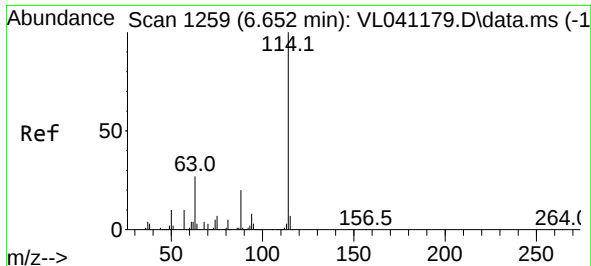
Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#32
1,1,1-Trichloroethane
Concen: 2.115 ppbv
RT: 5.999 min Scan# 1056
Delta R.T. -0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Tgt Ion: 97 Resp: 330278
Ion Ratio Lower Upper
97 100
99 64.4 51.7 77.5
61 53.2 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 114

Delta R.T. -0.003 min

Lab File: VL041180.D

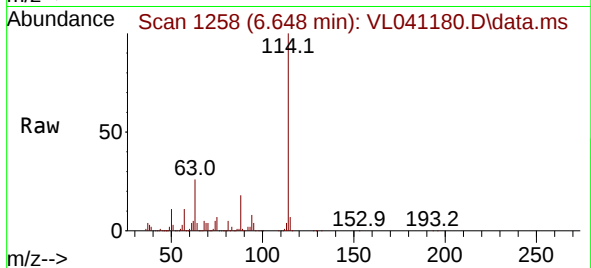
Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002



Tgt Ion:114 Resp: 2721509

Ion Ratio Lower Upper

114 100

63 26.5 21.8 32.6

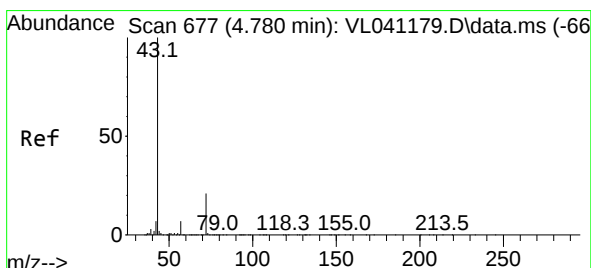
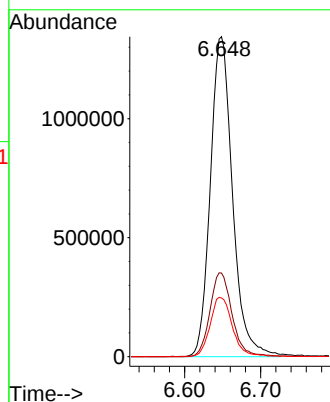
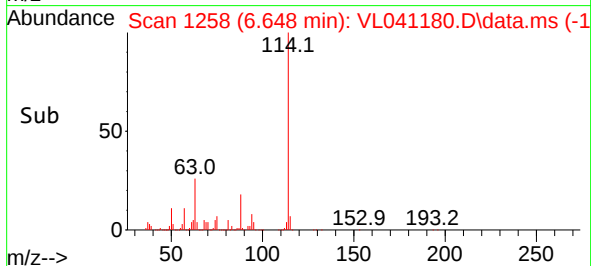
88 18.8 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2024

Supervised By :Mahesh Dadoda 04/30/2024



#34

2-Butanone

Concen: 2.058 ppbv

RT: 4.784 min Scan# 678

Delta R.T. 0.003 min

Lab File: VL041180.D

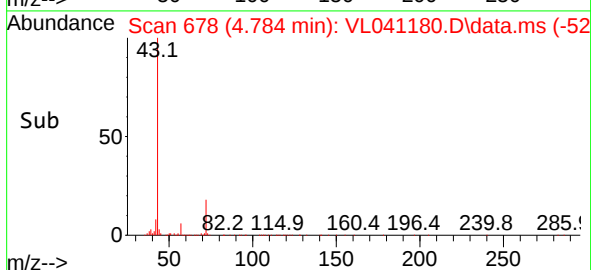
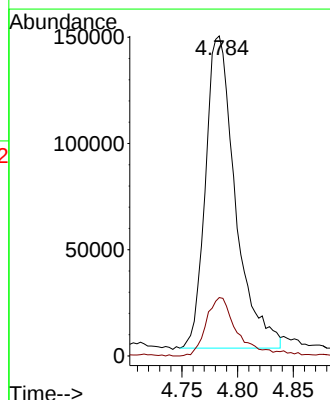
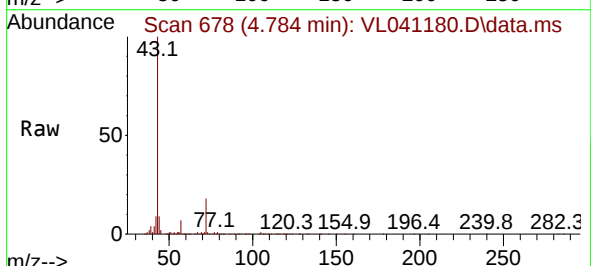
Acq: 29 Apr 2024 12:08

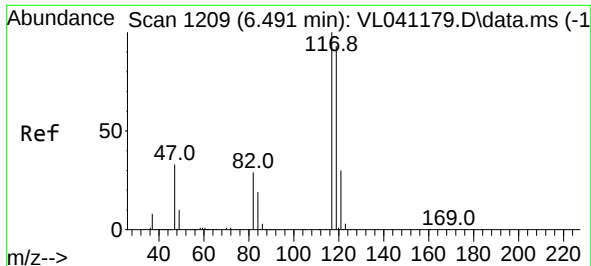
Tgt Ion: 43 Resp: 274037

Ion Ratio Lower Upper

43 100

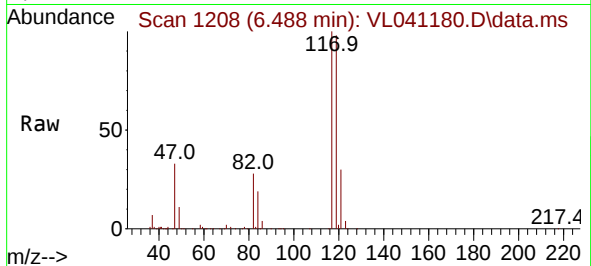
72 19.9 17.3 25.9





#35
Carbon Tetrachloride
Concen: 2.051 ppbv
RT: 6.488 min Scan# 1169
Delta R.T. -0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

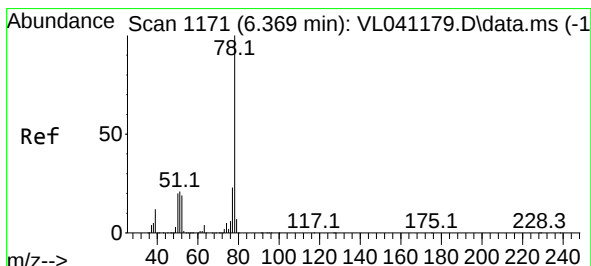
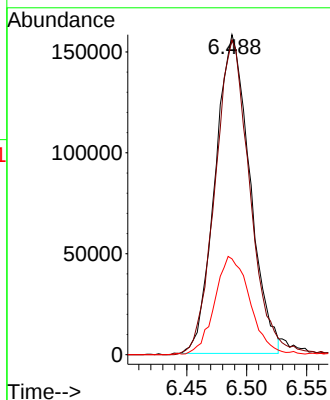
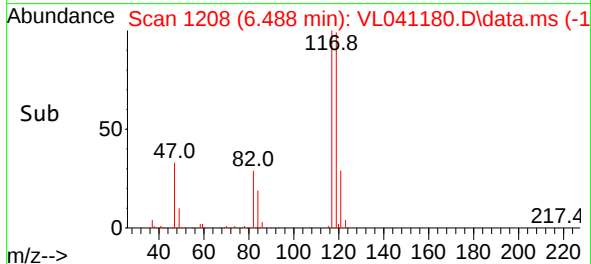
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 117 Resp: 31675
Ion Ratio Lower Upper
117 100
119 98.6 74.3 111.5
121 29.6 23.8 35.8

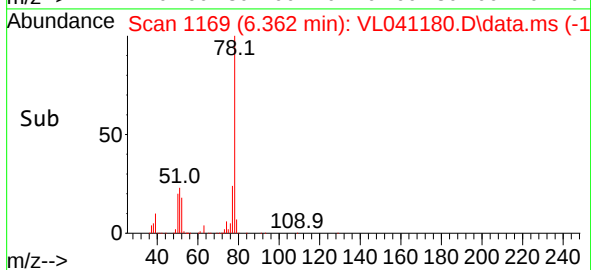
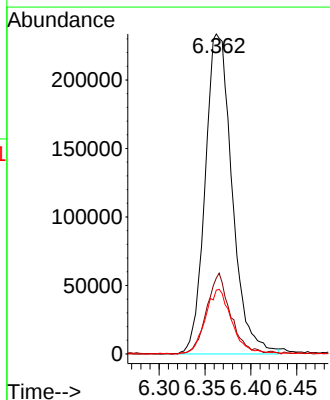
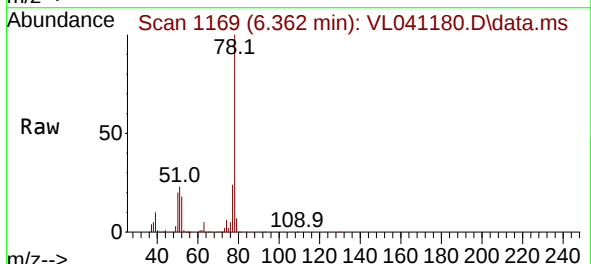
Manual Integrations
APPROVED

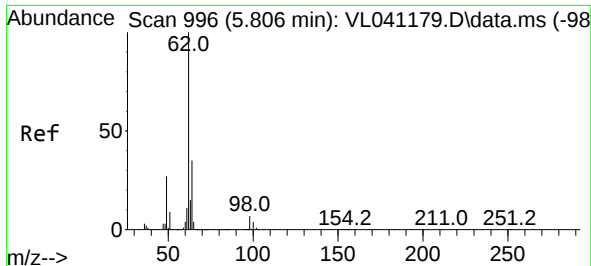
Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#36
Benzene
Concen: 2.087 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. -0.006 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Tgt Ion: 78 Resp: 477811
Ion Ratio Lower Upper
78 100
77 23.6 18.3 27.5
50 19.9 15.9 23.9





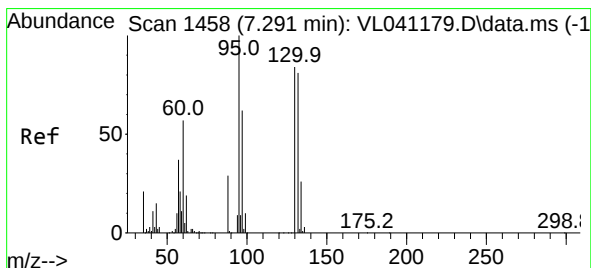
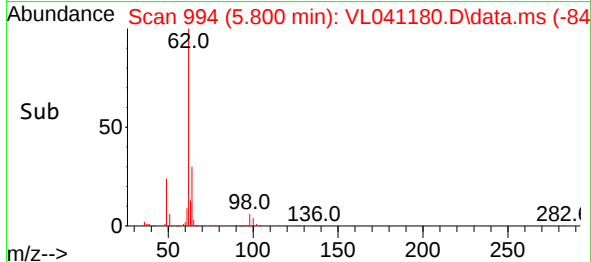
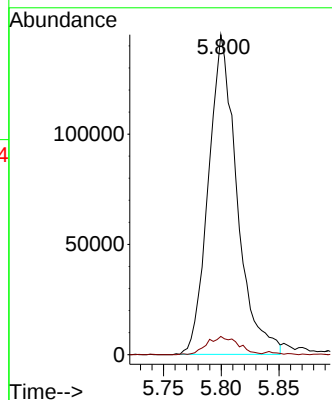
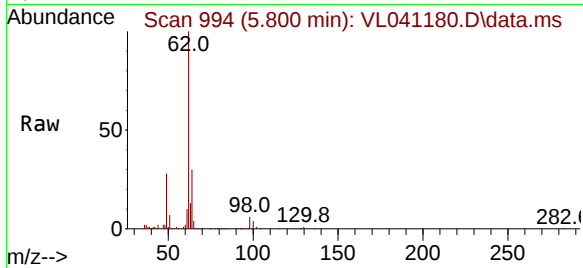
#37
1,2-Dichloroethane
Concen: 2.074 ppbv
RT: 5.800 min Scan# 996
Delta R.T. -0.006 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 248464
Ion Ratio Lower Upper
62 100
98 6.8 5.0 7.4

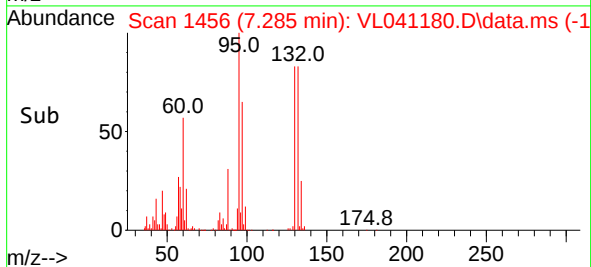
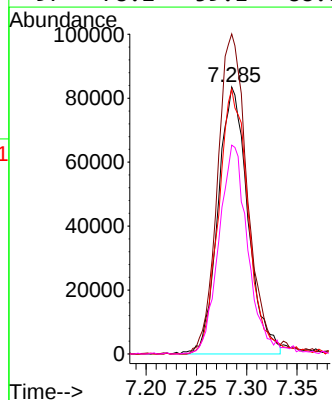
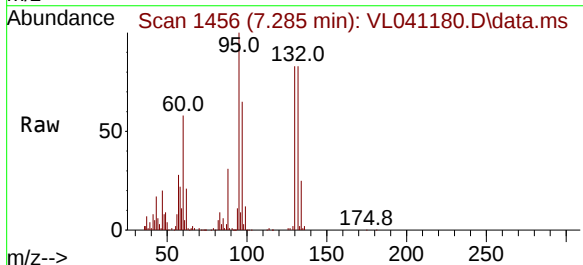
Manual Integrations
APPROVED

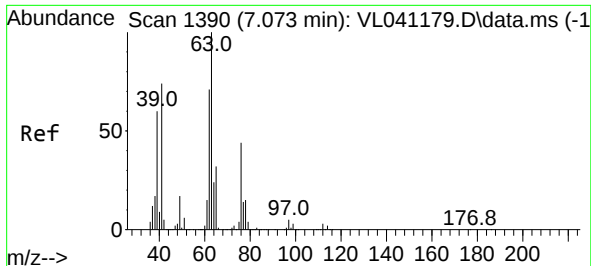
Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#38
Trichloroethene
Concen: 1.985 ppbv
RT: 7.285 min Scan# 1456
Delta R.T. -0.006 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Tgt Ion:130 Resp: 171574
Ion Ratio Lower Upper
130 100
95 119.9 95.0 142.6
132 99.2 77.0 115.4
97 78.2 59.1 88.7





#39

1,2-Dichloropropane

Concen: 2.074 ppbv

RT: 7.066 min Scan# 1388

Delta R.T. -0.006 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

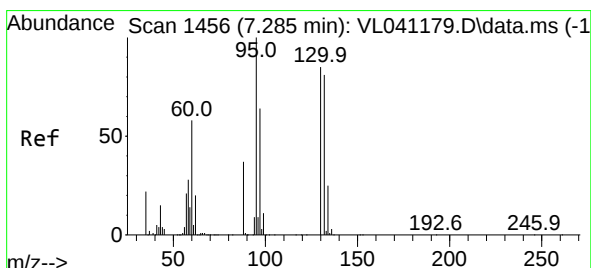
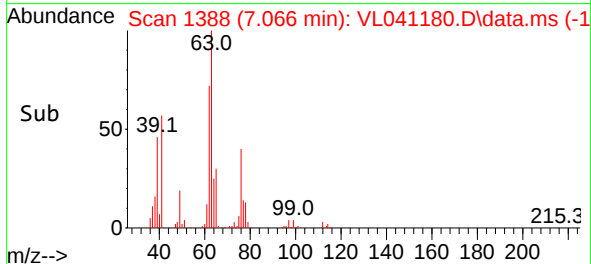
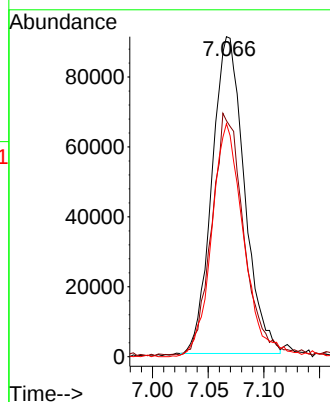
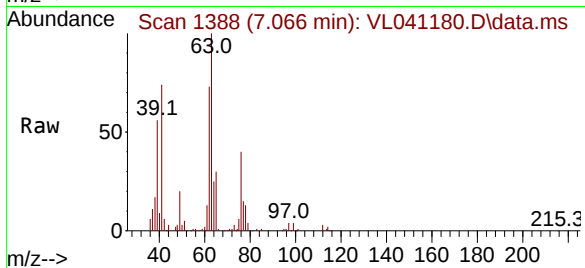
Tgt Ion: 63 Resp: 18348

Ion	Ratio	Lower	Upper
63	100		
41	73.9	59.4	89.0
62	73.1	56.8	85.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#40

1,4-Dioxane

Concen: 2.469 ppbv m

RT: 7.285 min Scan# 1456

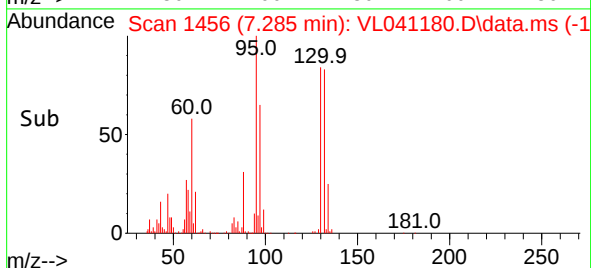
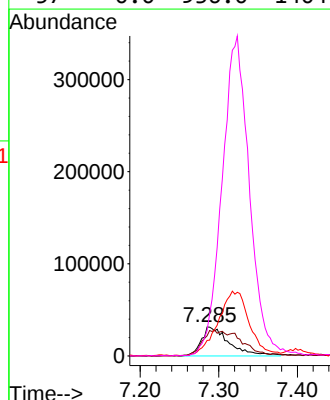
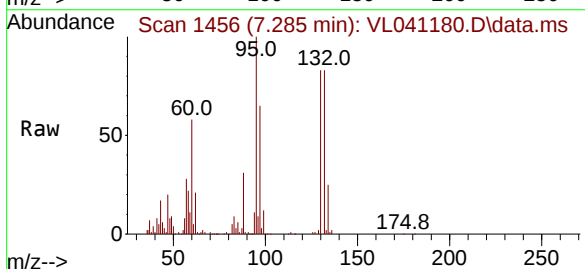
Delta R.T. 0.000 min

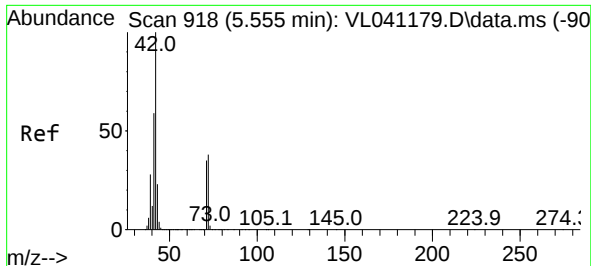
Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Tgt Ion: 88 Resp: 77975

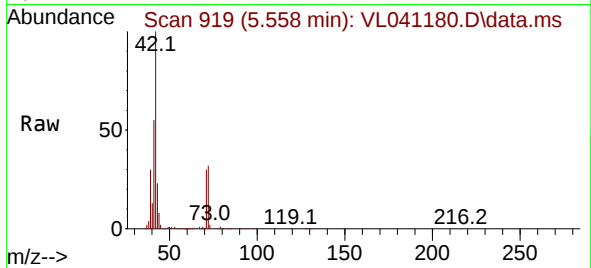
Ion	Ratio	Lower	Upper
88	100		
58	0.0	106.1	159.1#
43	0.0	219.8	329.6#
57	0.0	936.0	1404.0#





#41
Tetrahydrofuran
Concen: 2.078 ppbv
RT: 5.558 min Scan# 918
Delta R.T. 0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

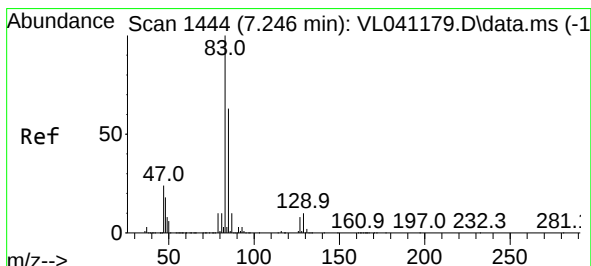
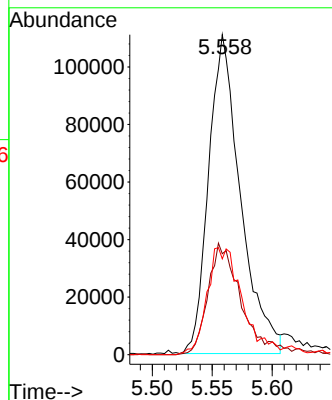
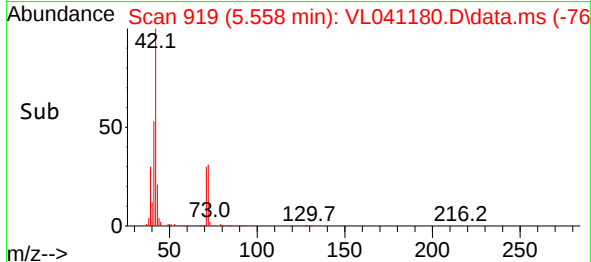
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



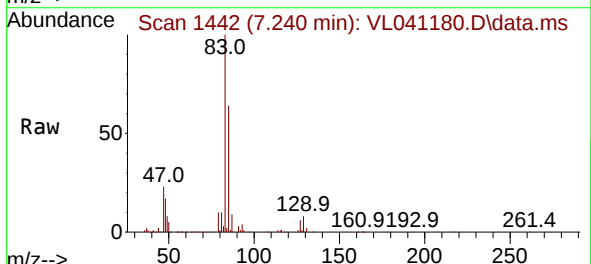
Tgt Ion: 42 Resp: 20456
Ion Ratio Lower Upper
42 100
72 37.8 29.4 44.0
71 39.2 29.1 43.7

Manual Integrations
APPROVED

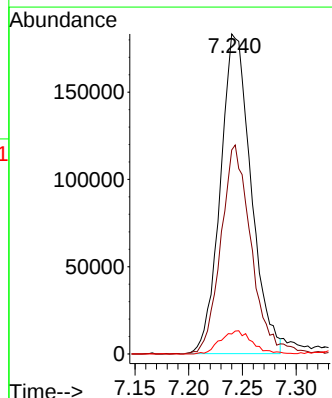
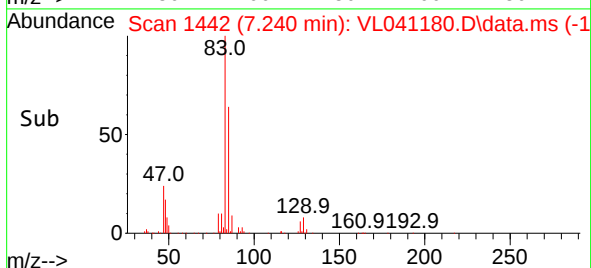
Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024

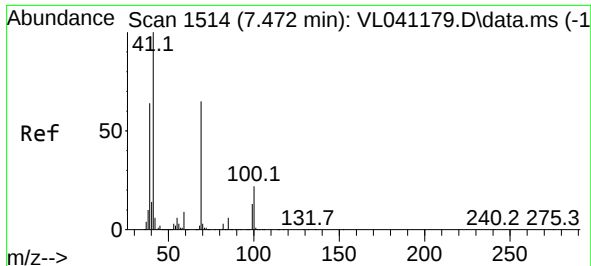


#42
Bromodichloromethane
Concen: 2.077 ppbv
RT: 7.240 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08



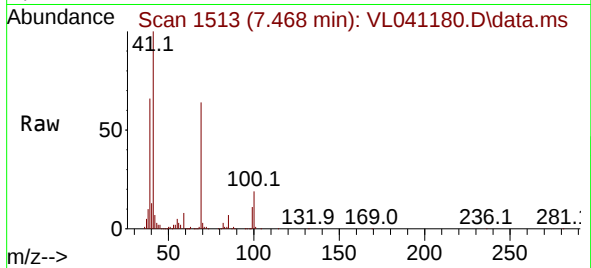
Tgt Ion: 83 Resp: 363205
Ion Ratio Lower Upper
83 100
85 63.8 50.6 75.8
127 6.2 6.2 9.4#





#43
Methyl Methacrylate
Concen: 2.070 ppbv
RT: 7.468 min Scan# 1513
Delta R.T. -0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

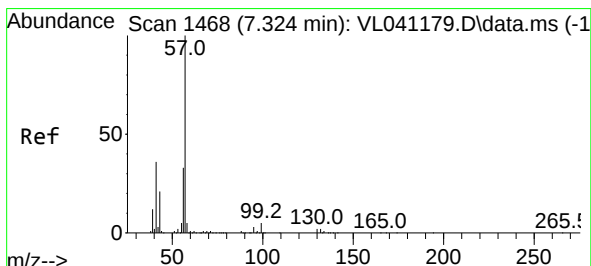
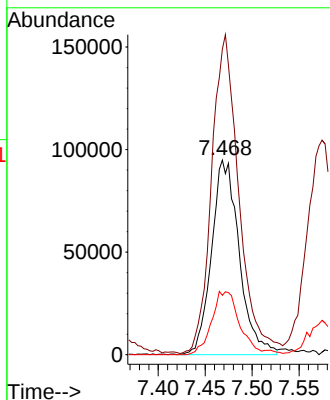
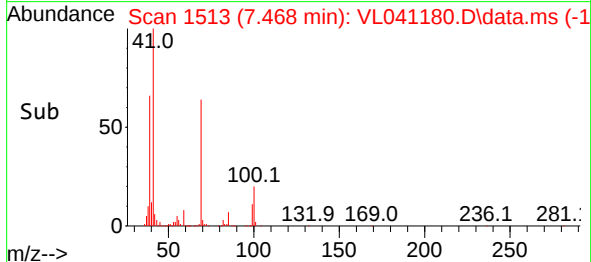
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



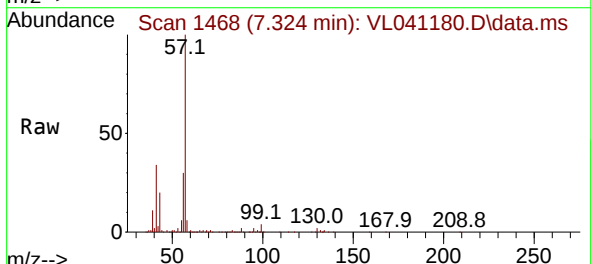
Tgt Ion: 69 Resp: 194484
Ion Ratio Lower Upper
69 100
41 162.1 125.2 187.8
100 33.7 26.7 40.1

Manual Integrations
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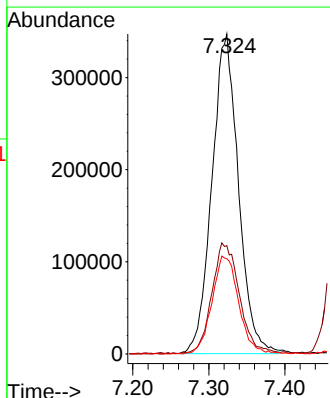
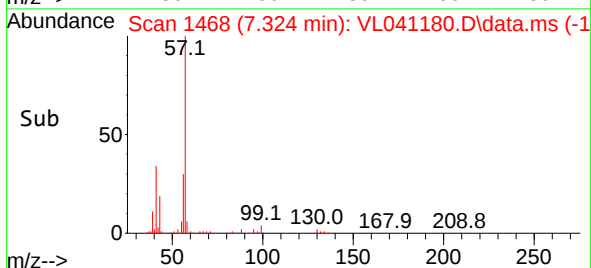
Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024

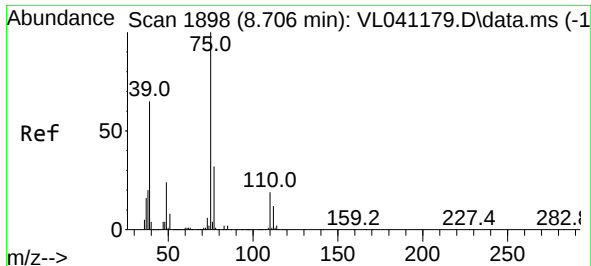


#44
2,2,4-Trimethylpentane
Concen: 2.116 ppbv
RT: 7.324 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08



Tgt Ion: 57 Resp: 838853
Ion Ratio Lower Upper
57 100
41 36.0 29.5 44.3
56 31.1 25.3 37.9





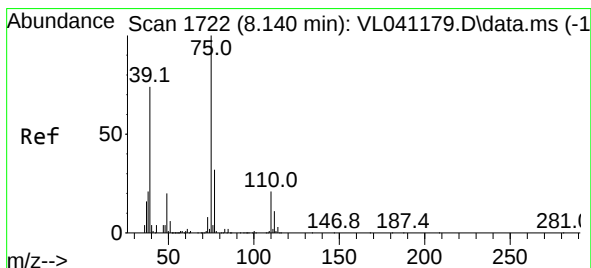
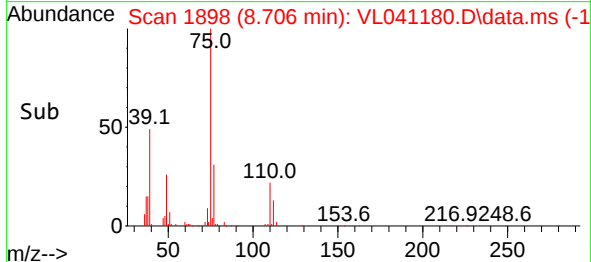
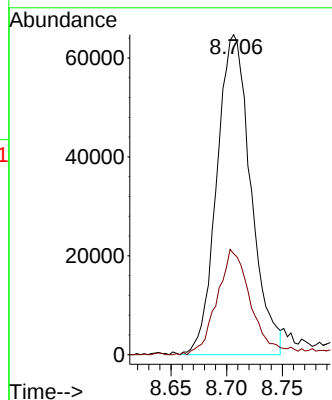
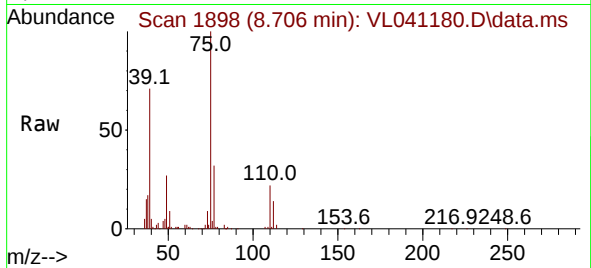
#45
 t-1,3-Dichloropropene
 Concen: 2.005 ppbv
 RT: 8.706 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: VL041180.D
 Acq: 29 Apr 2024 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Tgt Ion: 75 Resp: 13789
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.6 38.4

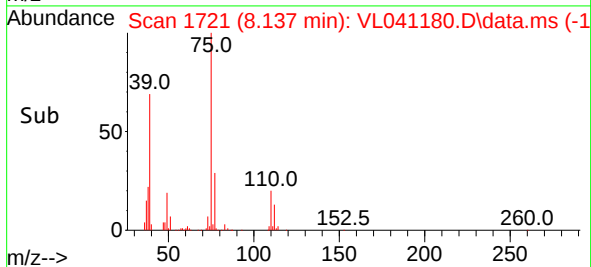
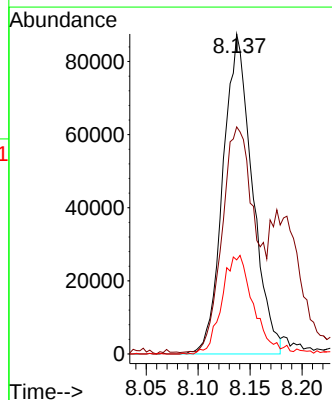
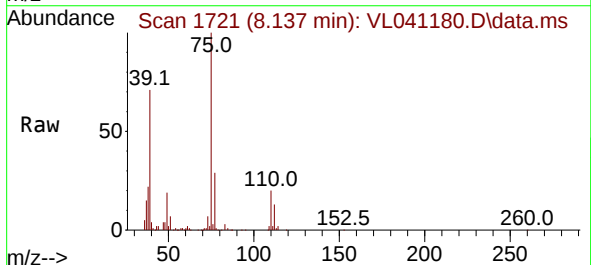
Manual Integrations
 APPROVED

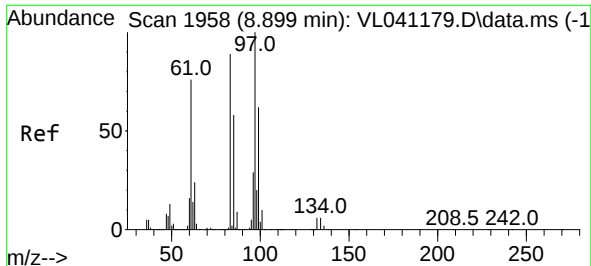
Reviewed By :Semsettin Yesilyurt 04/30/2024
 Supervised By :Mahesh Dadoda 04/30/2024



#46
 cis-1,3-Dichloropropene
 Concen: 2.065 ppbv
 RT: 8.137 min Scan# 1721
 Delta R.T. -0.003 min
 Lab File: VL041180.D
 Acq: 29 Apr 2024 12:08

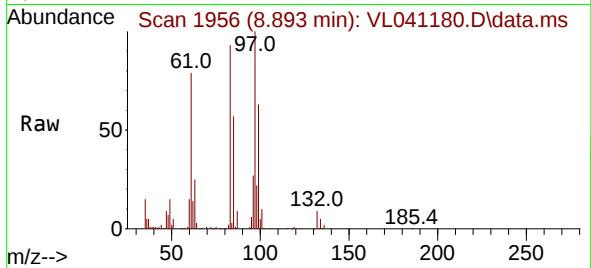
Tgt Ion: 75 Resp: 171920
 Ion Ratio Lower Upper
 75 100
 39 70.5 59.4 89.2
 77 29.4 25.9 38.9





#47
1,1,2-Trichloroethane
Concen: 2.094 ppbv
RT: 8.893 min Scan# 1958
Delta R.T. -0.006 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

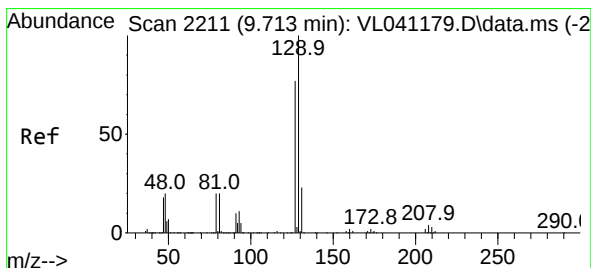
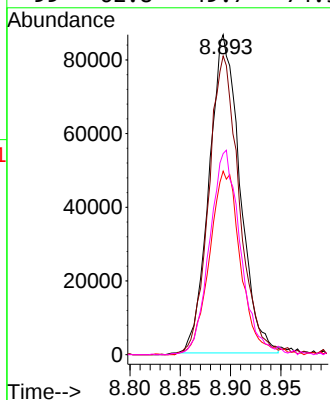
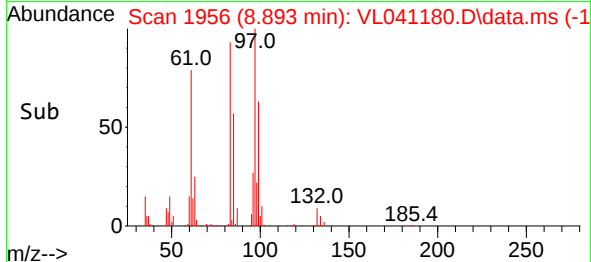
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 97 Resp: 18439
Ion Ratio Lower Upper
97 100
83 93.1 71.2 106.8
85 57.2 46.0 69.0
99 62.8 49.7 74.5

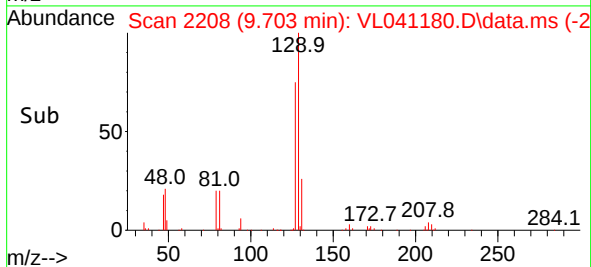
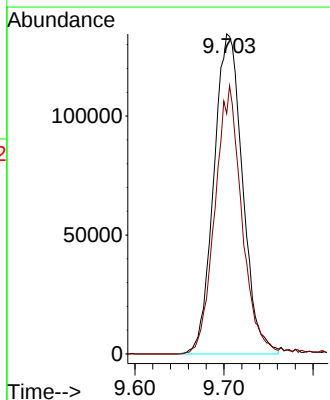
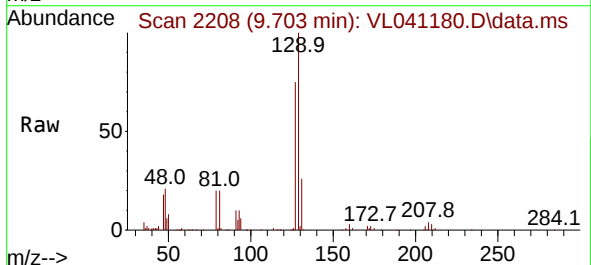
Manual Integrations
APPROVED

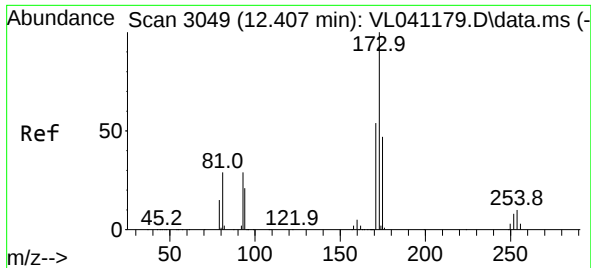
Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#48
Dibromochloromethane
Concen: 2.119 ppbv
RT: 9.703 min Scan# 2208
Delta R.T. -0.010 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

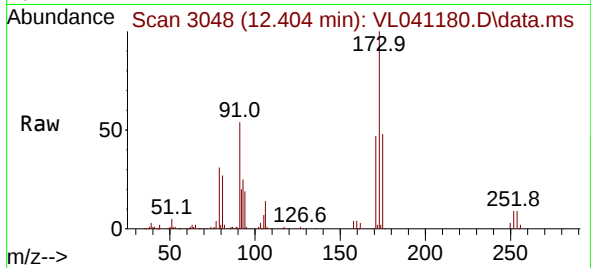
Tgt Ion:129 Resp: 301881
Ion Ratio Lower Upper
129 100
127 78.7 39.1 117.5





#49
Bromoform
Concen: 2.113 ppbv
RT: 12.404 min Scan# 3049
Delta R.T. -0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

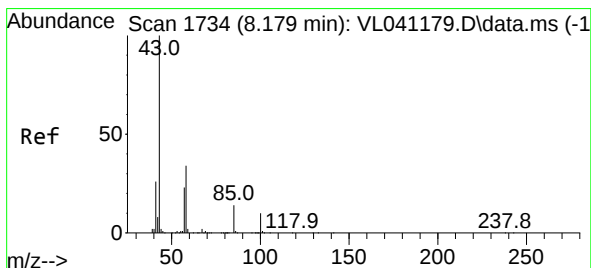
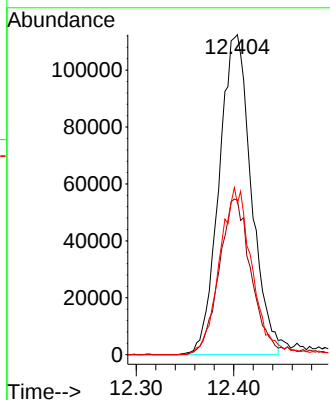
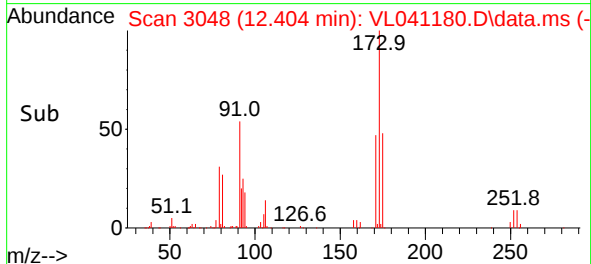
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



Tgt Ion: 173 Resp: 25842
Ion Ratio Lower Upper
173 100
175 50.2 39.8 59.8
171 53.8 41.8 62.8

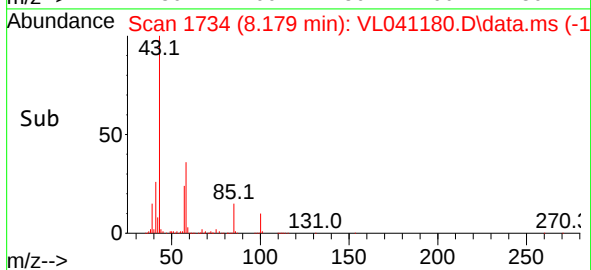
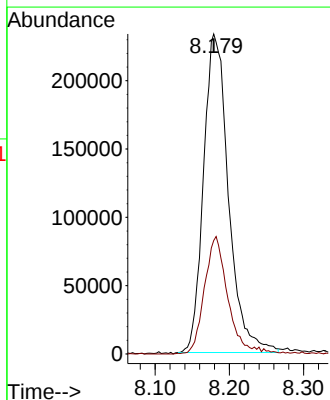
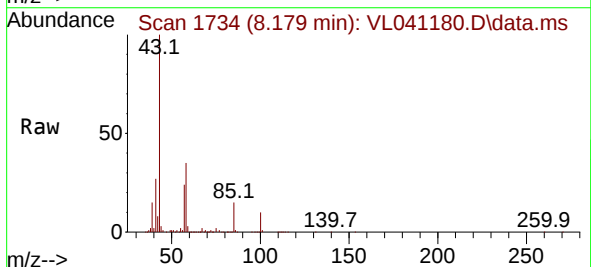
Manual Integrations
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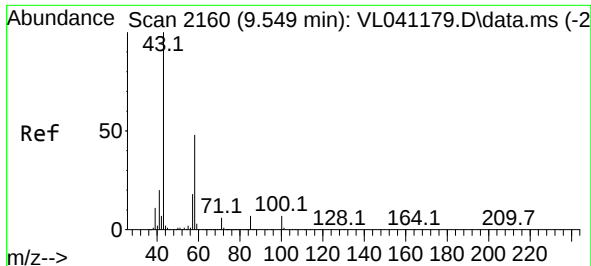
Reviewed By : Semsettin Yesilyurt 04/30/2024
Supervised By : Mahesh Dadoda 04/30/2024



#50
4-Methyl-2-Pentanone
Concen: 2.167 ppbv
RT: 8.179 min Scan# 1734
Delta R.T. -0.000 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

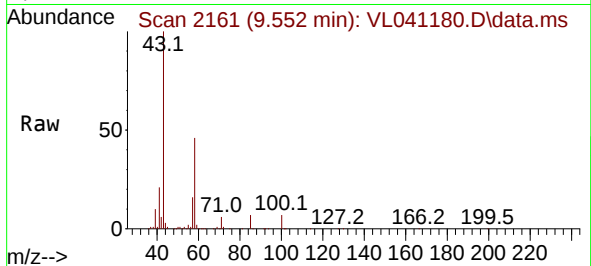
Tgt Ion: 43 Resp: 544700
Ion Ratio Lower Upper
43 100
58 35.0 27.7 41.5





#51
2-Hexanone
Concen: 2.210 ppbv
RT: 9.552 min Scan# 2161
Delta R.T. 0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

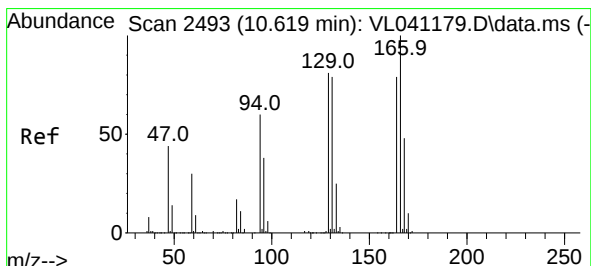
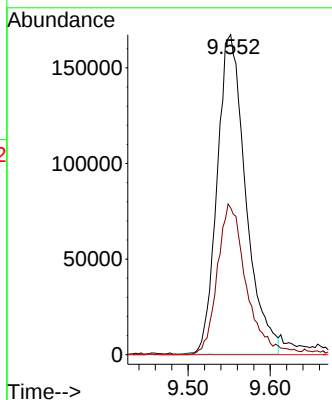
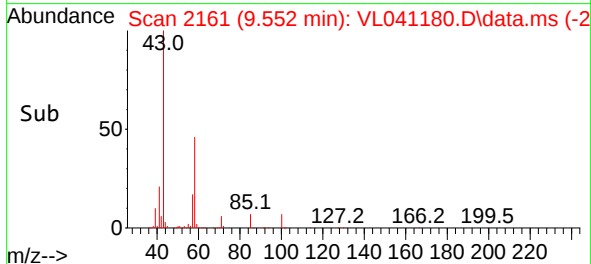
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 43 Resp: 404415
Ion Ratio Lower Upper
43 100
58 48.9 38.4 57.6
98 0.0 0.0 0.0

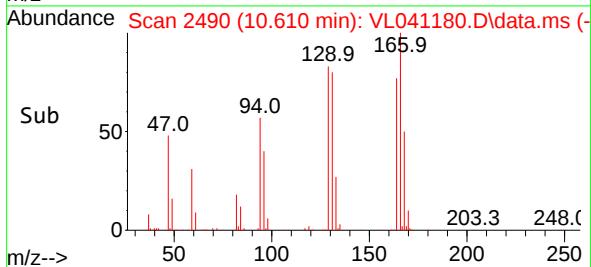
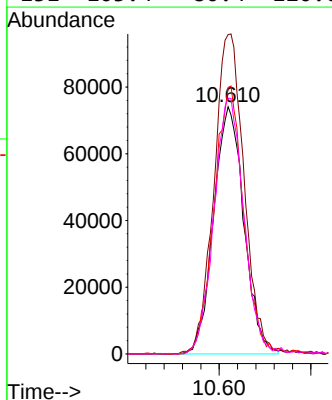
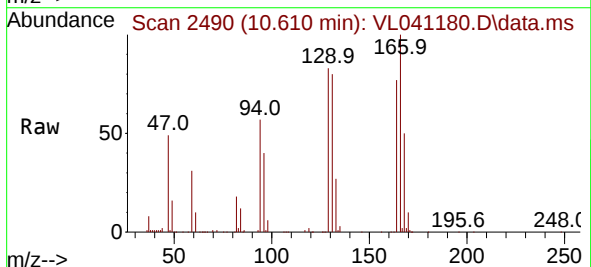
Manual Integrations
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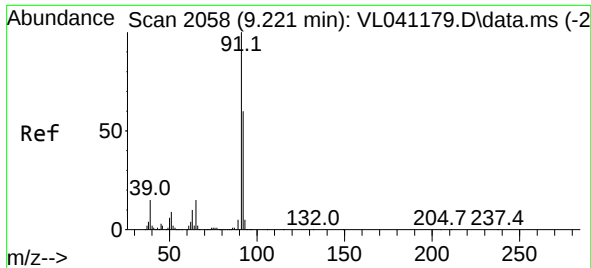
Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#52
Tetrachloroethene
Concen: 2.097 ppbv
RT: 10.610 min Scan# 2490
Delta R.T. -0.010 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Tgt Ion:164 Resp: 169148
Ion Ratio Lower Upper
164 100
166 129.2 101.1 151.7
129 107.8 81.7 122.5
131 103.4 80.4 120.6





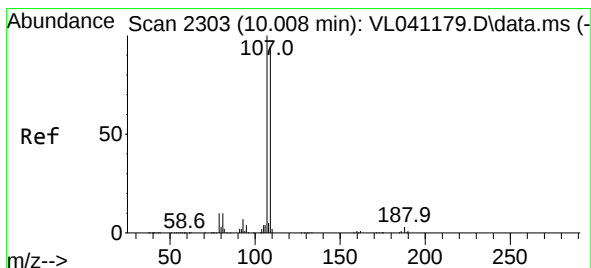
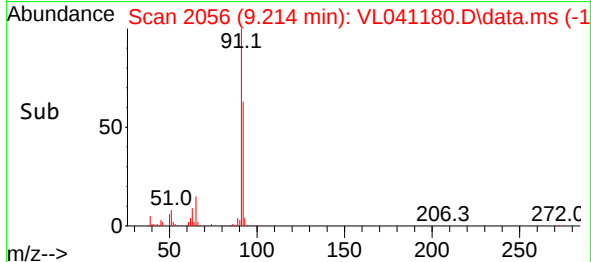
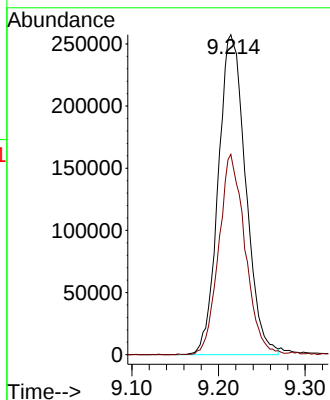
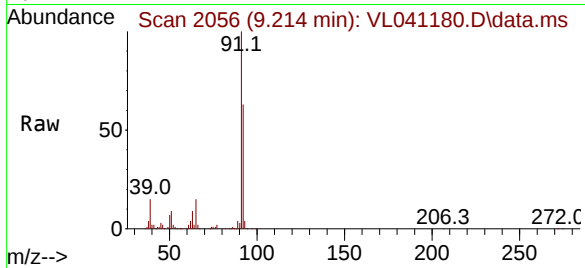
#53
Toluene
Concen: 2.118 ppbv
RT: 9.214 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 56531
Ion Ratio Lower Upper
91 100
92 61.0 48.2 72.4

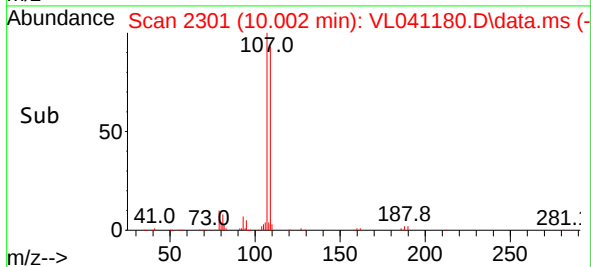
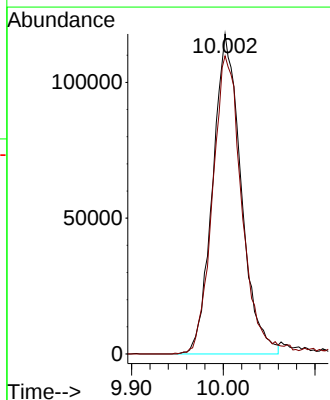
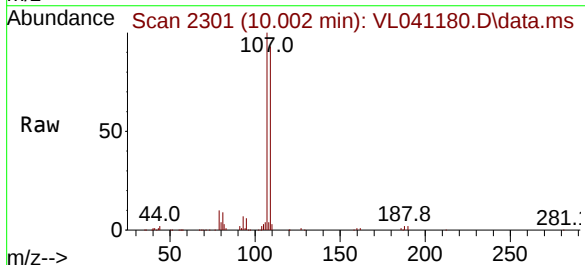
Manual Integrations
APPROVED

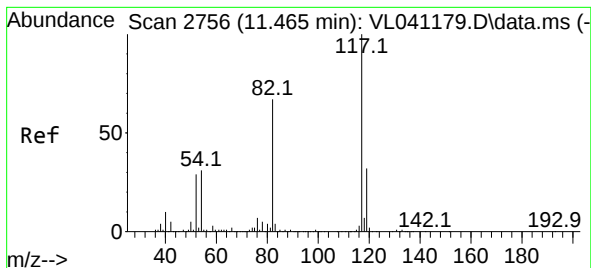
Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#54
1,2-Dibromoethane
Concen: 2.116 ppbv
RT: 10.002 min Scan# 2301
Delta R.T. -0.006 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

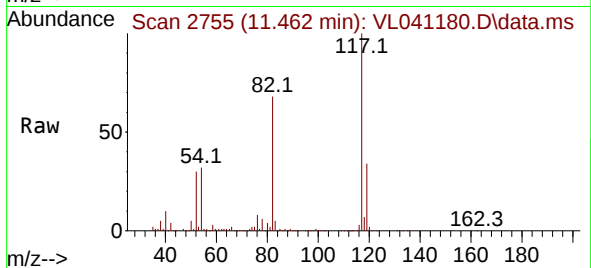
Tgt Ion:107 Resp: 253281
Ion Ratio Lower Upper
107 100
109 93.0 75.2 112.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

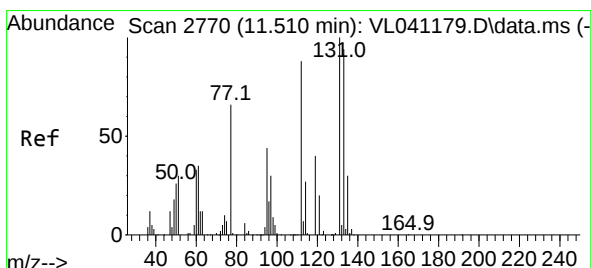
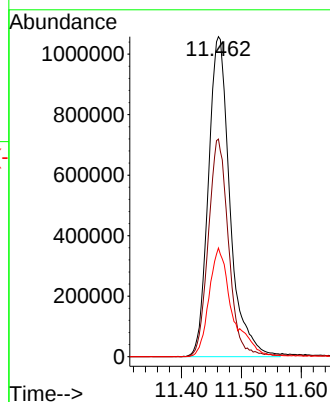
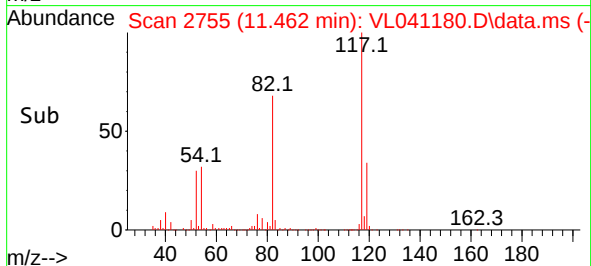
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion:117 Resp: 2647074
Ion Ratio Lower Upper
117 100
82 64.7 53.6 80.4
119 36.7 27.2 40.8

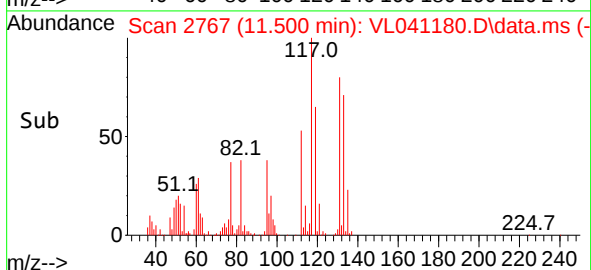
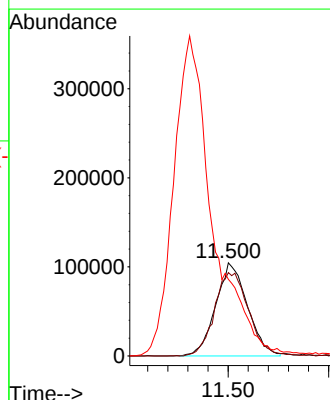
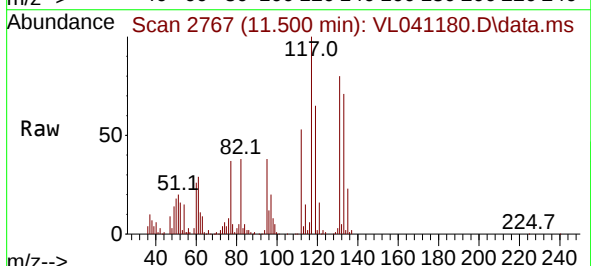
Manual Integrations
APPROVED

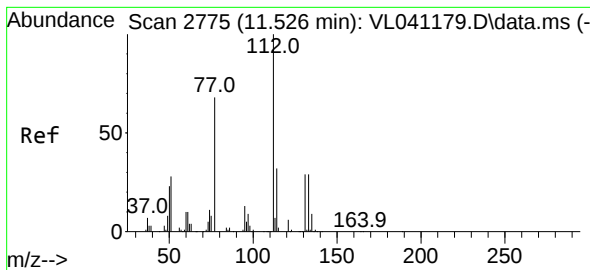
Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#56
1,1,1,2-Tetrachloroethane
Concen: 2.087 ppbv
RT: 11.500 min Scan# 2767
Delta R.T. -0.010 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Tgt Ion:131 Resp: 228733
Ion Ratio Lower Upper
131 100
133 97.1 76.3 114.5
119 425.0 49.4 74.2#





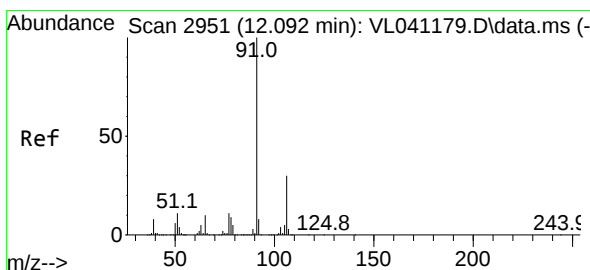
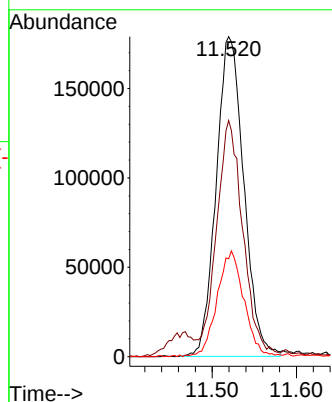
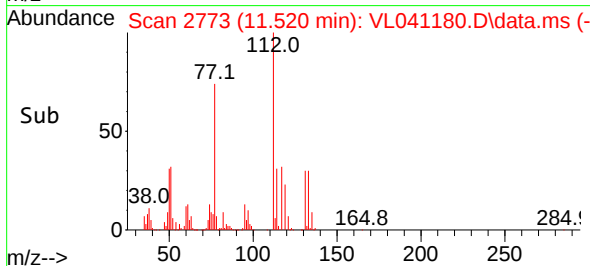
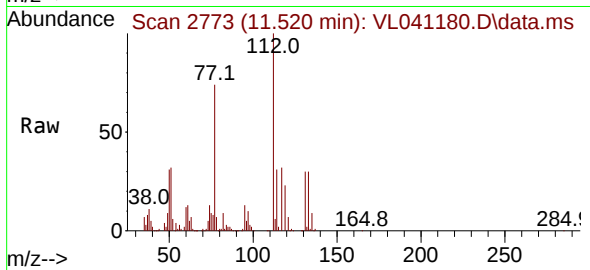
#57
Chlorobenzene
Concen: 2.102 ppbv
RT: 11.520 min Scan# 211
Delta R.T. -0.006 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:112 Resp: 406860
Ion Ratio Lower Upper
112 100
77 72.7 54.9 82.3
114 30.2 28.7 35.1

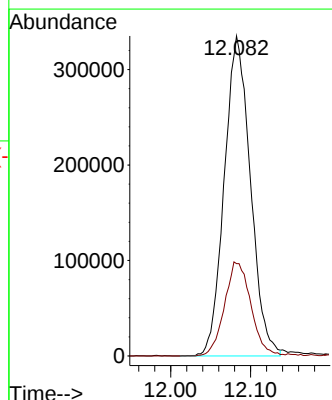
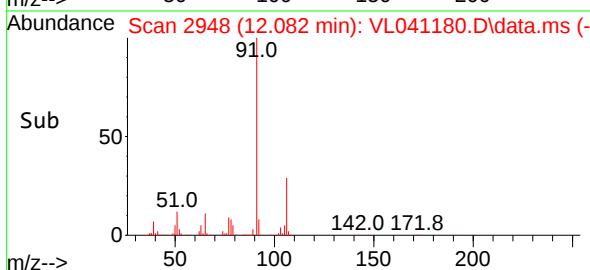
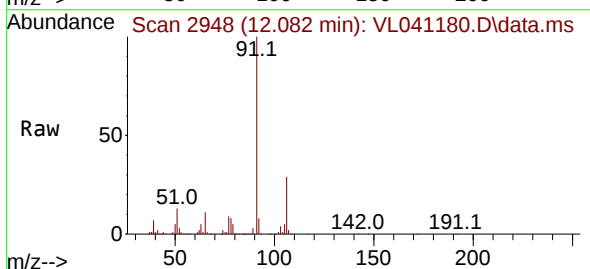
Manual Integrations
APPROVED

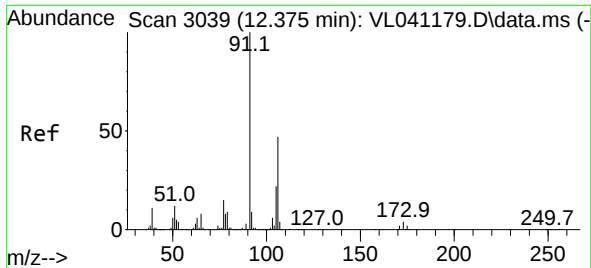
Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#58
Ethyl Benzene
Concen: 2.088 ppbv
RT: 12.082 min Scan# 2948
Delta R.T. -0.010 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Tgt Ion: 91 Resp: 761110
Ion Ratio Lower Upper
91 100
106 28.8 24.3 36.5





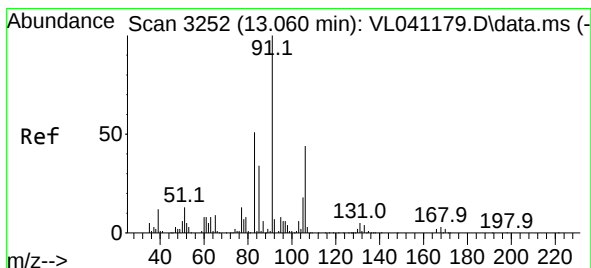
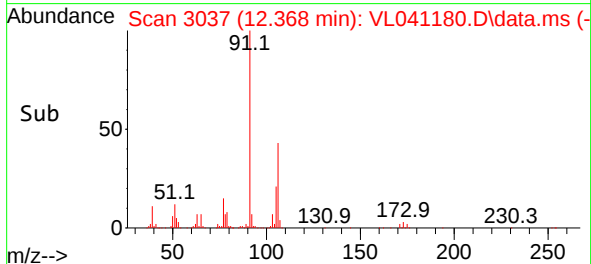
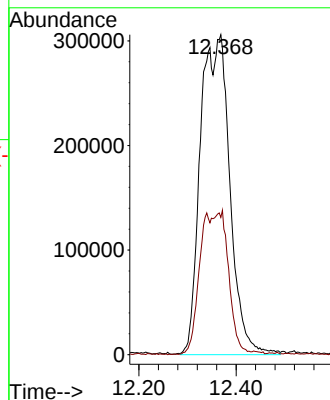
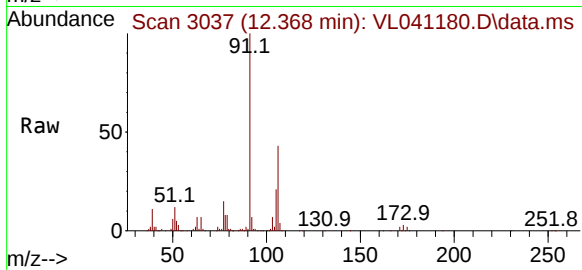
#59
m/p-Xylene
Concen: 4.202 ppbv m
RT: 12.368 min Scan# 3037
Delta R.T. -0.006 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 128578
Ion Ratio Lower Upper
91 100
106 43.4 35.7 53.5

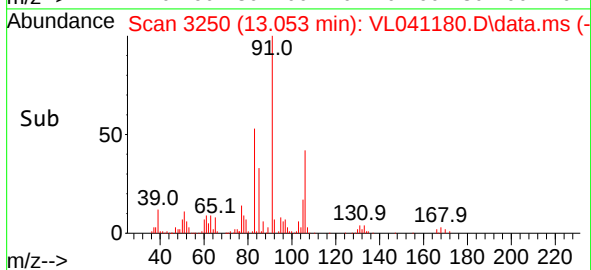
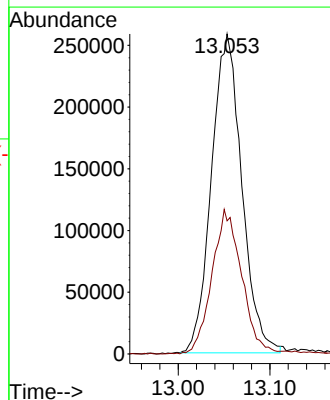
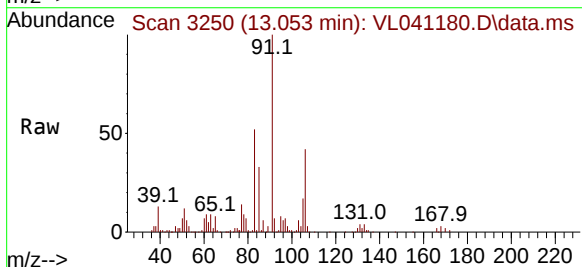
Manual Integrations
APPROVED

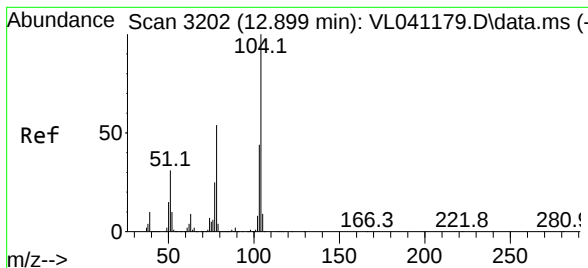
Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#60
o-Xylene
Concen: 2.067 ppbv
RT: 13.053 min Scan# 3250
Delta R.T. -0.006 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Tgt Ion: 91 Resp: 593818
Ion Ratio Lower Upper
91 100
106 44.9 22.4 67.3





#61

Styrene

Concen: 2.058 ppbv

RT: 12.889 min Scan# 3199

Delta R.T. -0.010 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

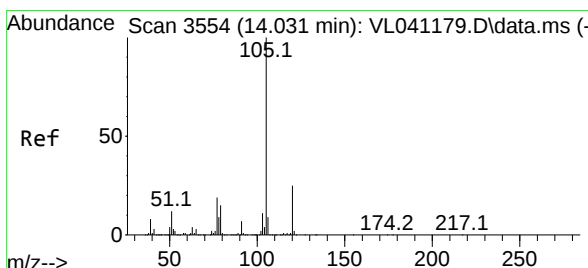
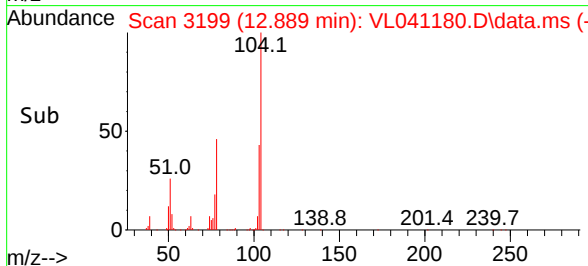
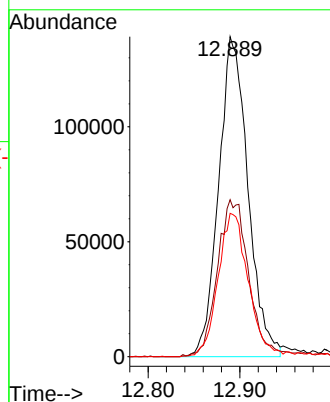
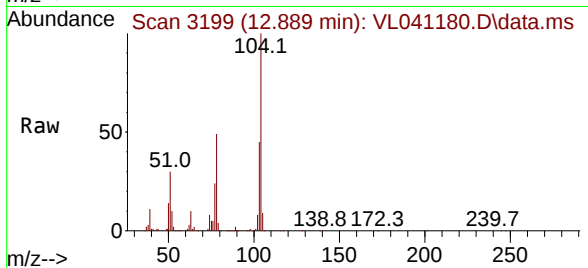
VSTDICC002

Tgt Ion:104 Resp: 30875
 Ion Ratio Lower Upper
 104 100
 78 53.0 42.6 63.8
 103 47.3 38.4 57.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/30/2024
 Supervised By :Mahesh Dadoda 04/30/2024



#62

Isopropylbenzene

Concen: 2.097 ppbv

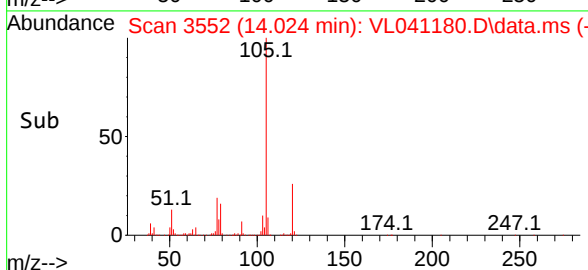
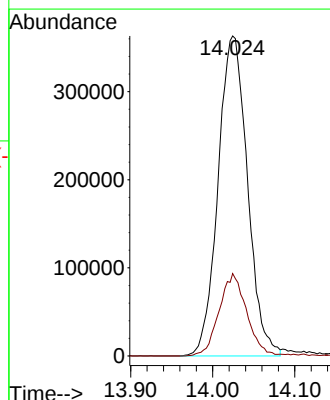
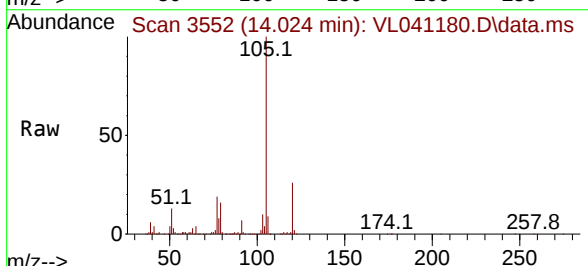
RT: 14.024 min Scan# 3552

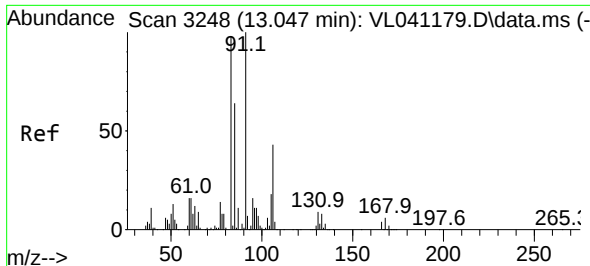
Delta R.T. -0.006 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

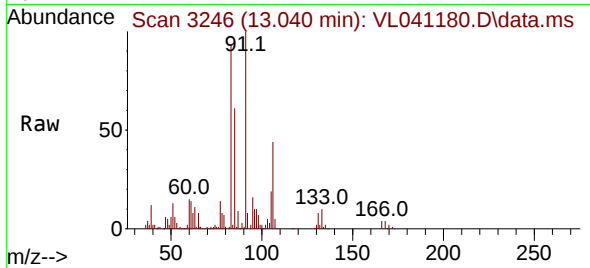
Tgt Ion:105 Resp: 904946
 Ion Ratio Lower Upper
 105 100
 120 24.7 20.2 30.2





#63
1,1,2,2-Tetrachloroethane
Concen: 2.138 ppbv
RT: 13.040 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

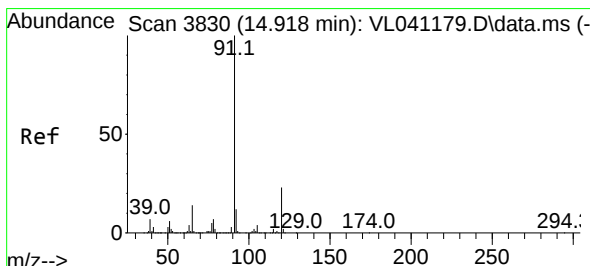
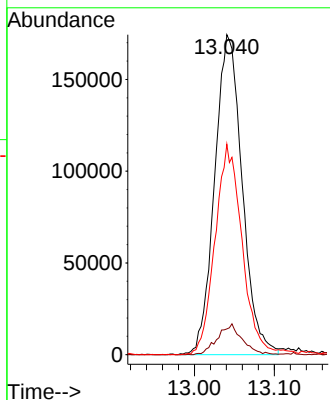
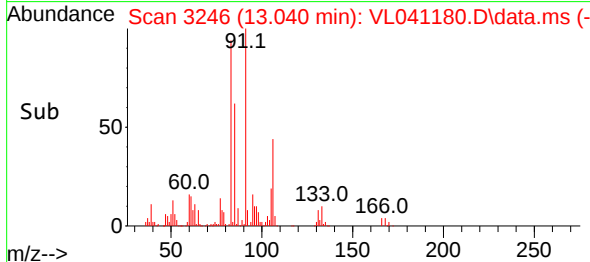
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



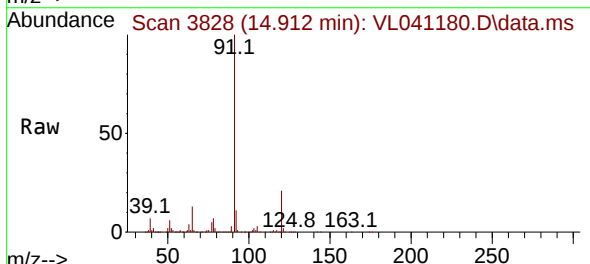
Tgt Ion: 83 Resp: 417149
Ion Ratio Lower Upper
83 100
131 8.9 4.5 13.5
85 65.6 32.7 98.1

Manual Integrations
APPROVED

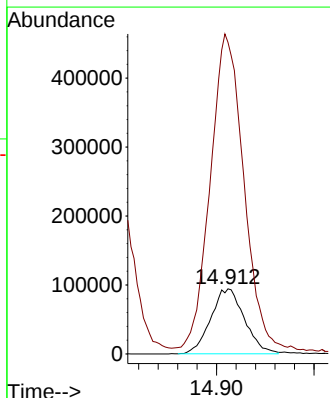
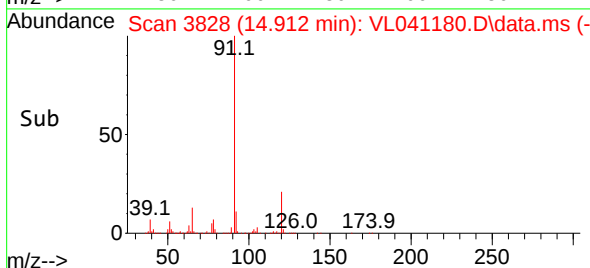
Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024

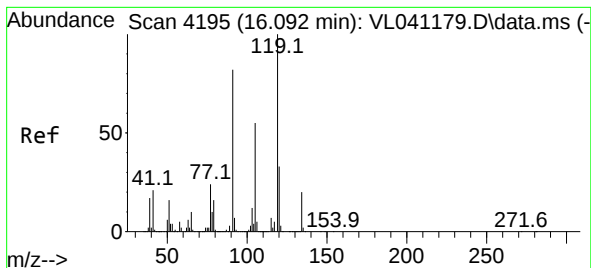


#64
n-propylbenzene
Concen: 2.086 ppbv
RT: 14.912 min Scan# 3828
Delta R.T. -0.006 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08



Tgt Ion:120 Resp: 225658
Ion Ratio Lower Upper
120 100
91 508.5 384.8 577.2





#65

tert-Butylbenzene

Concen: 2.135 ppbv

RT: 16.082 min Scan# 4195

Delta R.T. -0.010 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

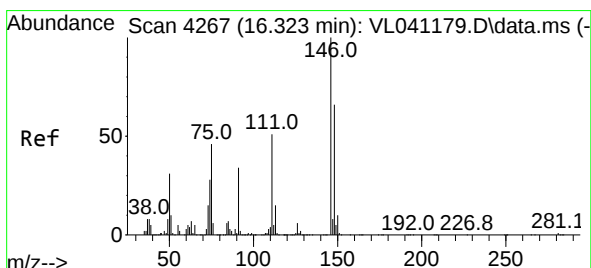
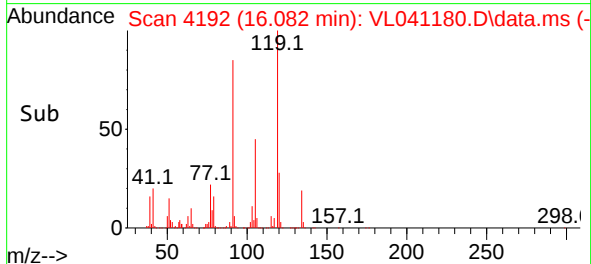
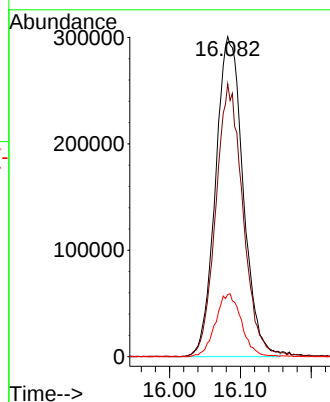
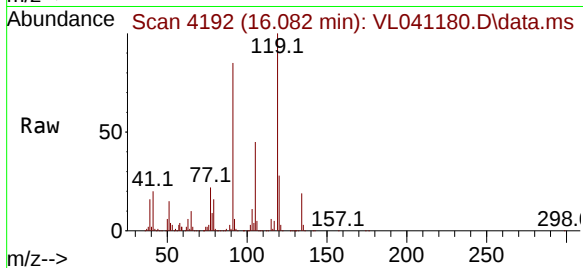
VSTDICC002

Tgt Ion:	119	Resp:	814409
Ion Ratio	Lower	Upper	
119	100		
91	83.8	67.0	100.4
134	18.6	15.2	22.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#66

Benzyl Chloride

Concen: 2.028 ppbv m

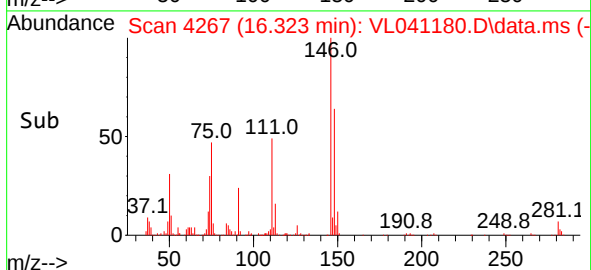
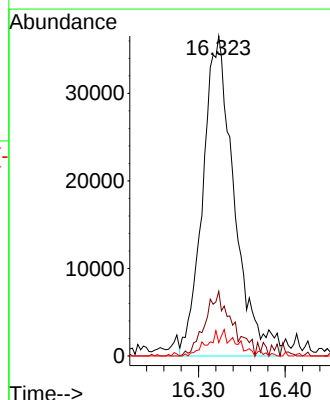
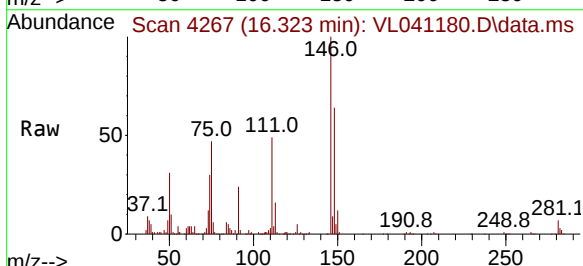
RT: 16.323 min Scan# 4267

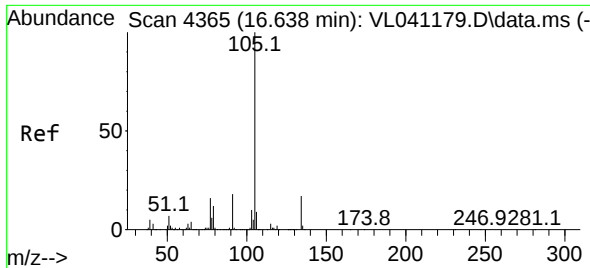
Delta R.T. 0.000 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

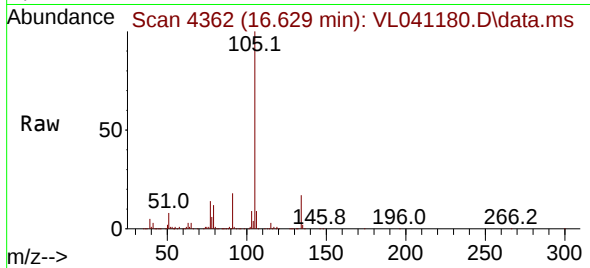
Tgt Ion:	91	Resp:	92074
Ion Ratio	Lower	Upper	
91	100		
126	19.6	14.6	21.8
128	7.2	4.7	7.1





#67
 sec-Butylbenzene
 Concen: 2.133 ppbv
 RT: 16.629 min Scan# 41
 Delta R.T. -0.010 min
 Lab File: VL041180.D
 Acq: 29 Apr 2024 12:08

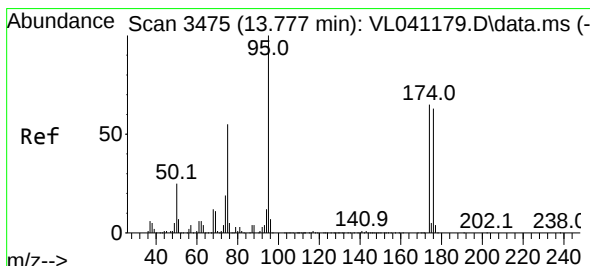
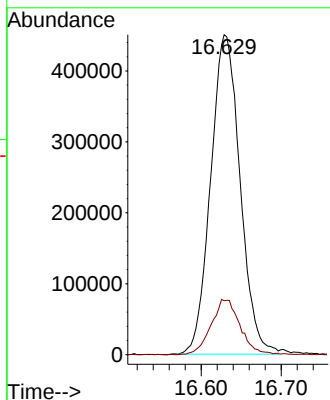
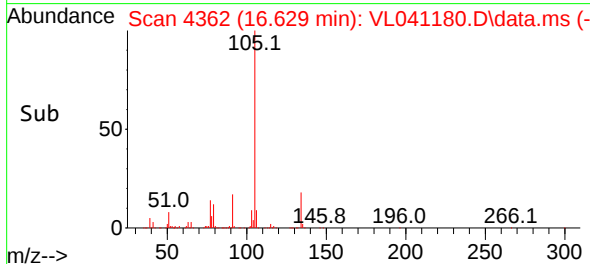
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



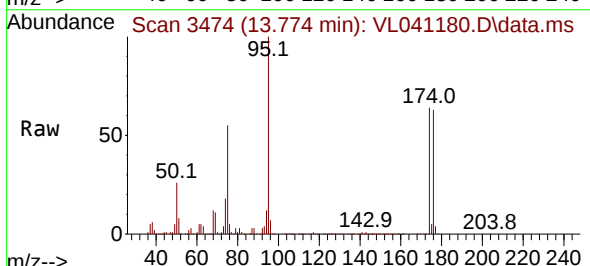
Tgt Ion:105 Resp: 1150769
 Ion Ratio Lower Upper
 105 100
 134 17.1 13.8 20.8

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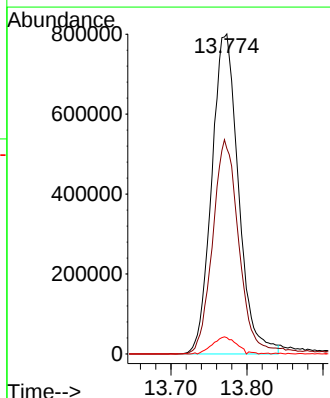
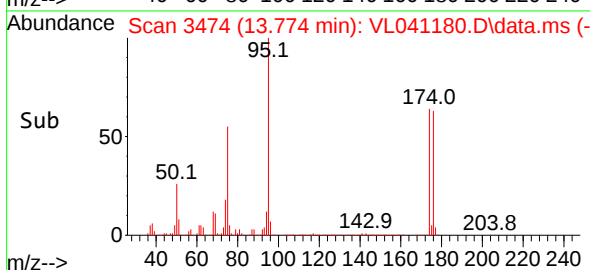
Reviewed By :Semsettin Yesilyurt 04/30/2024
 Supervised By :Mahesh Dadoda 04/30/2024

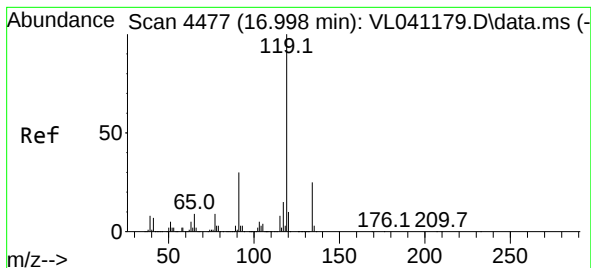


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.797 ppbv
 RT: 13.774 min Scan# 3474
 Delta R.T. -0.003 min
 Lab File: VL041180.D
 Acq: 29 Apr 2024 12:08



Tgt Ion: 95 Resp: 1958570
 Ion Ratio Lower Upper
 95 100
 174 67.6 53.6 80.4
 175 4.9 4.2 6.4





#69

p-Isopropyltoluene

Concen: 2.139 ppbv

RT: 16.989 min Scan# 4477

Delta R.T. -0.010 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:119 Resp: 956630

Ion Ratio Lower Upper

119 100

134 24.1 20.1 30.1

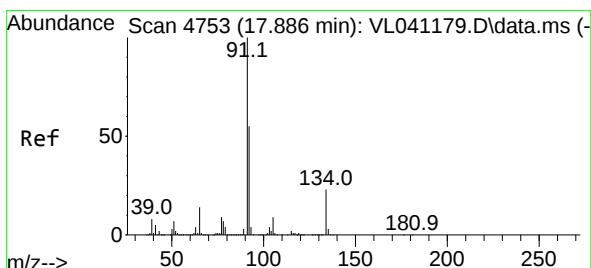
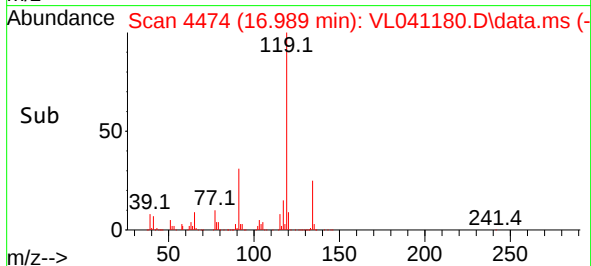
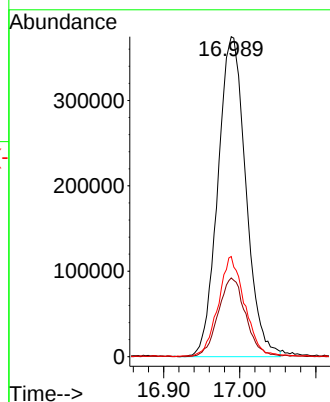
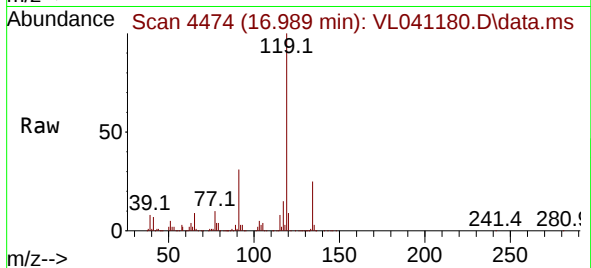
91 29.5 24.2 36.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/30/2024

Supervised By :Mahesh Dadoda 04/30/2024



#70

n-Butylbenzene

Concen: 2.160 ppbv

RT: 17.879 min Scan# 4751

Delta R.T. -0.006 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

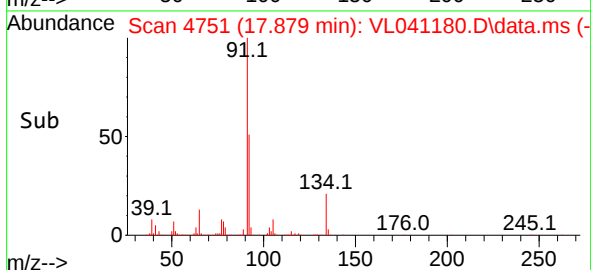
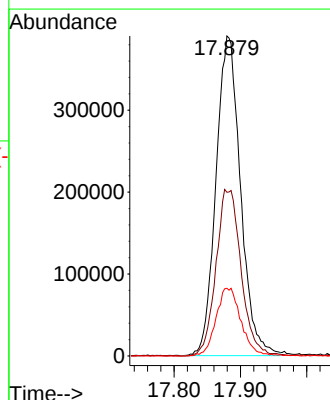
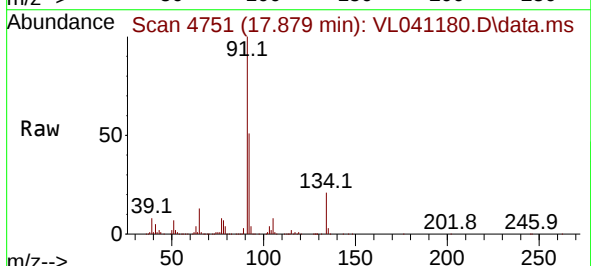
Tgt Ion: 91 Resp: 1003678

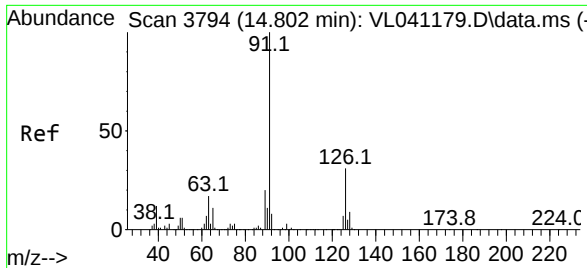
Ion Ratio Lower Upper

91 100

92 53.4 43.3 64.9

134 21.7 17.8 26.8





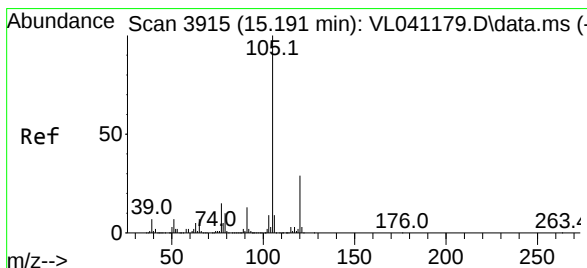
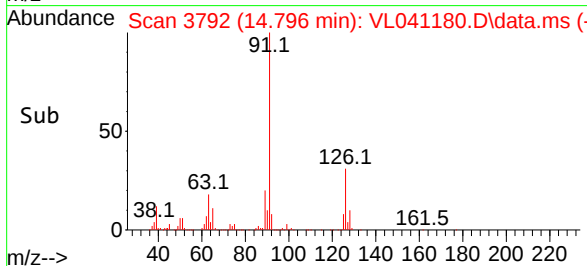
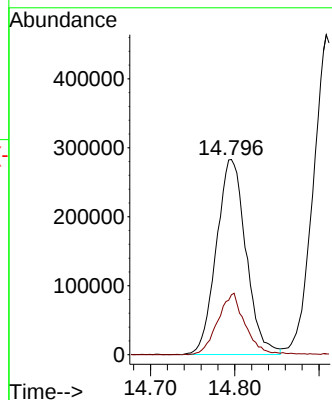
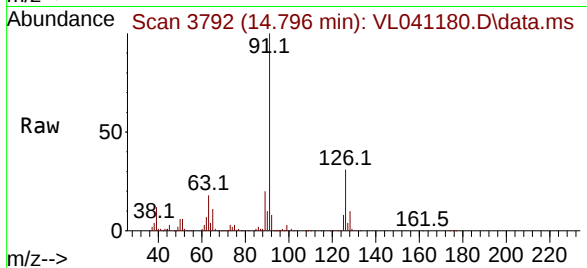
#71
2-Chlorotoluene
Concen: 2.092 ppbv
RT: 14.796 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 68976
Ion Ratio Lower Upper
91 100
126 29.3 12.2 48.8

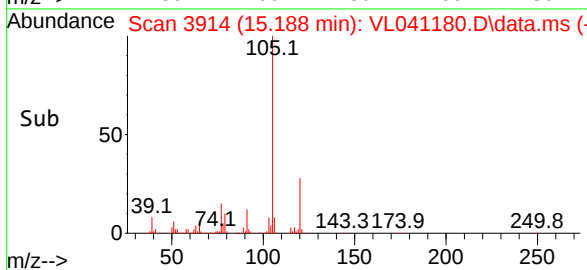
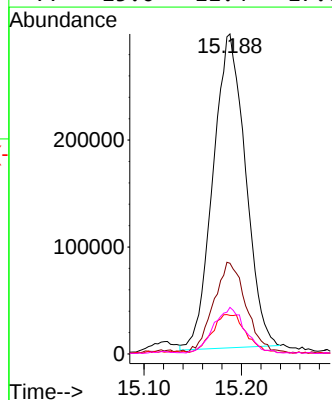
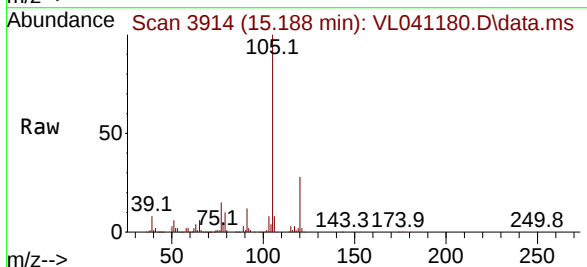
Manual Integrations
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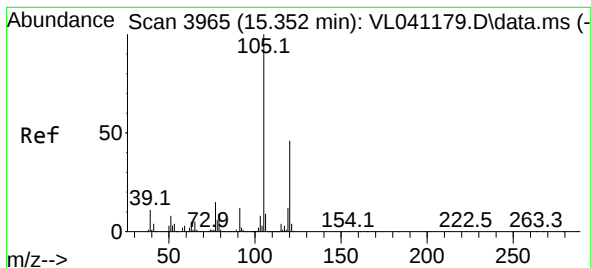
Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#72
4-Ethyltoluene
Concen: 2.067 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. -0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Tgt Ion:105 Resp: 677435
Ion Ratio Lower Upper
105 100
120 31.5 24.7 37.1
91 14.5 10.3 15.5
77 15.0 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 2.076 ppbv

RT: 15.346 min Scan# 3965

Delta R.T. -0.006 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:105 Resp: 616820

Ion Ratio Lower Upper

105 100

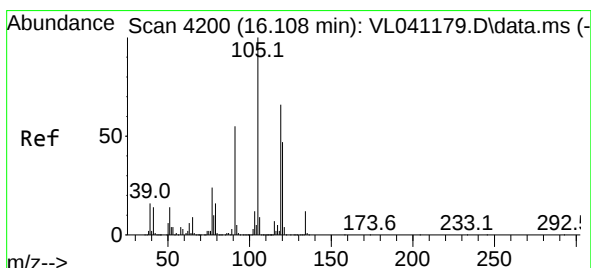
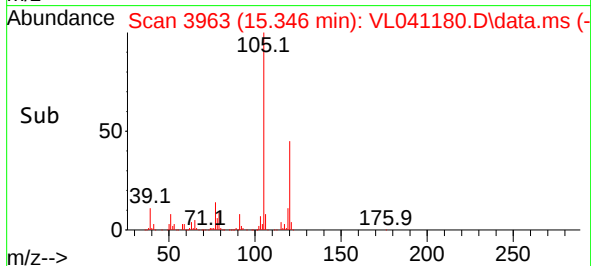
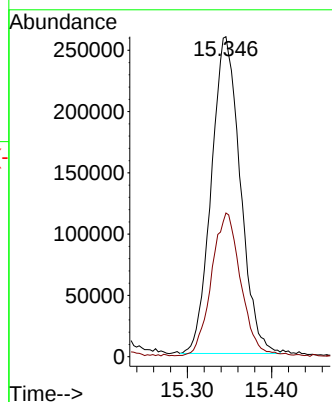
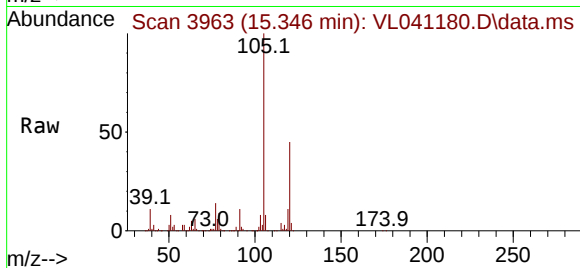
120 44.9 37.0 55.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/30/2024

Supervised By :Mahesh Dadoda 04/30/2024



#74

1,2,4-Trimethylbenzene

Concen: 2.138 ppbv

RT: 16.098 min Scan# 4197

Delta R.T. -0.010 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Tgt Ion:105 Resp: 691367

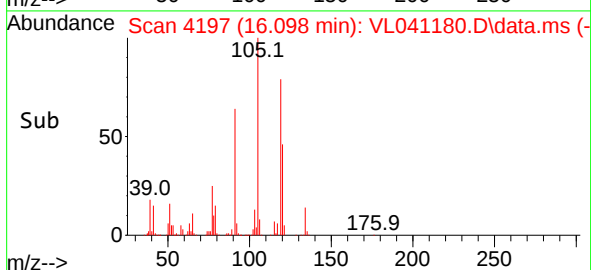
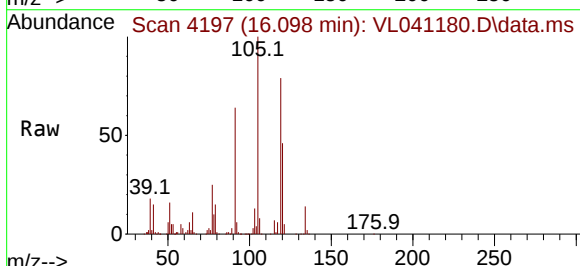
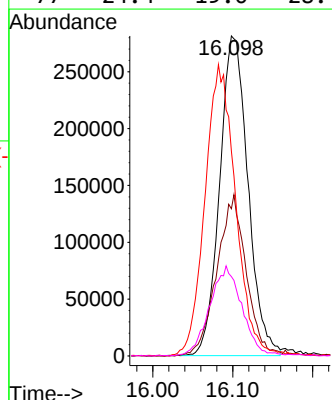
Ion Ratio Lower Upper

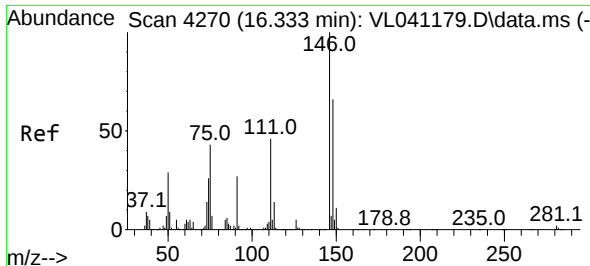
105 100

120 45.8 37.8 56.6

91 62.7 44.3 66.5

77 24.4 19.0 28.4





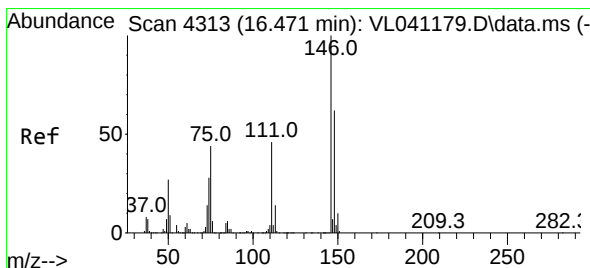
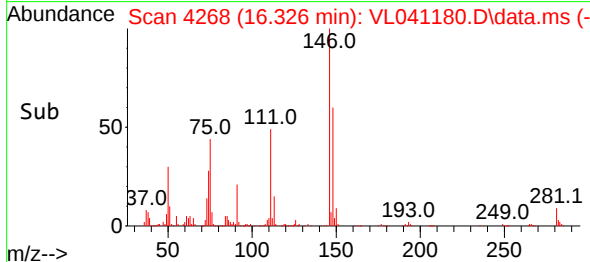
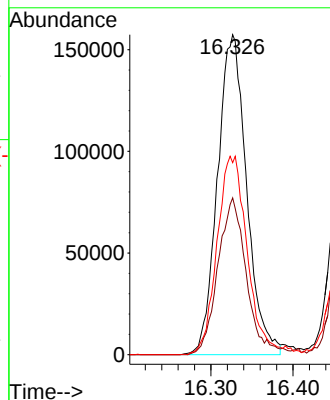
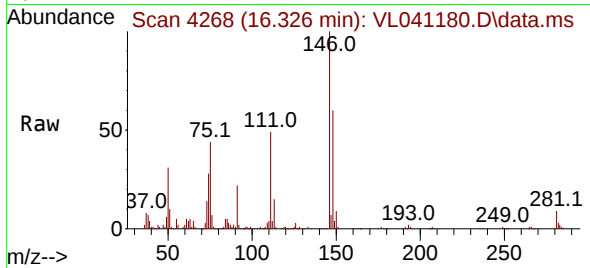
#75
1,3-Dichlorobenzene
Concen: 2.134 ppbv
RT: 16.326 min Scan# 4312
Delta R.T. -0.006 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:146 Resp: 388460
Ion Ratio Lower Upper
146 100
111 48.5 23.7 71.1
148 64.8 32.5 97.4

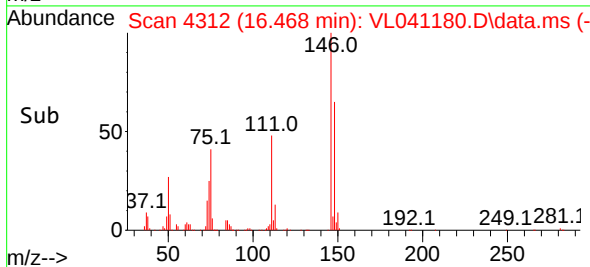
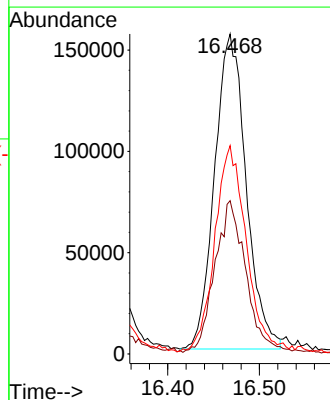
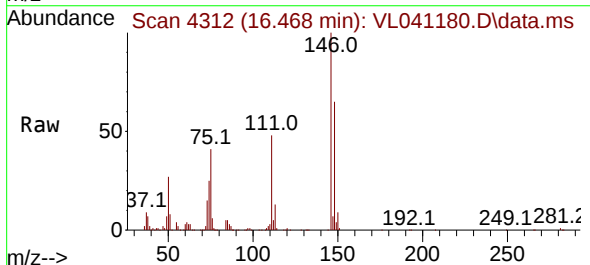
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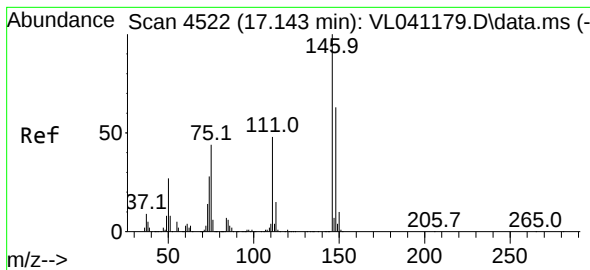
Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#76
1,4-Dichlorobenzene
Concen: 2.094 ppbv
RT: 16.468 min Scan# 4312
Delta R.T. -0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Tgt Ion:146 Resp: 371195
Ion Ratio Lower Upper
146 100
111 48.3 23.3 69.8
148 68.9 32.6 97.7





#77

1,2-Dichlorobenzene

Concen: 2.083 ppbv

RT: 17.140 min Scan# 4522

Delta R.T. -0.003 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:146 Resp: 38314

Ion Ratio Lower Upper

146 100

111 49.6 24.5 73.5

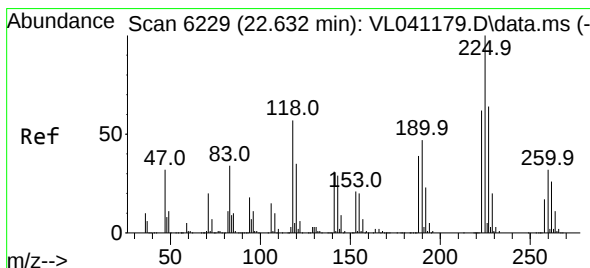
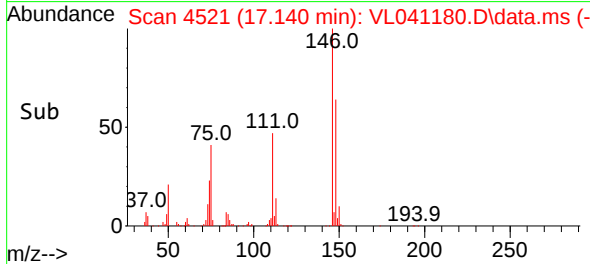
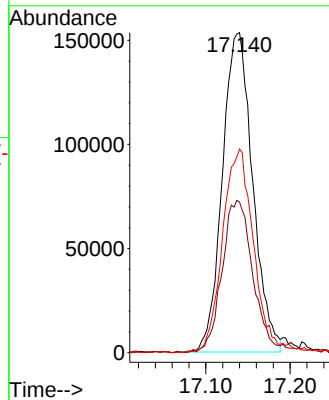
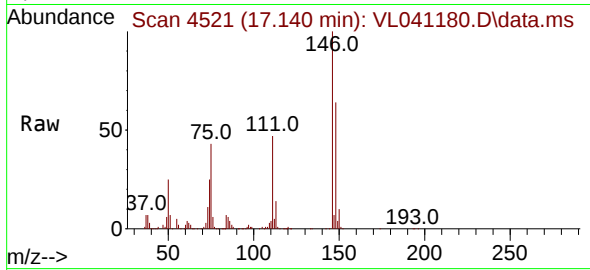
148 66.4 32.6 98.0

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Reviewed By :Semsettin Yesilyurt 04/30/2024

Supervised By :Mahesh Dadoda 04/30/2024



#78

Hexachloro-1,3-Butadiene

Concen: 2.233 ppbv

RT: 22.632 min Scan# 6229

Delta R.T. -0.000 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

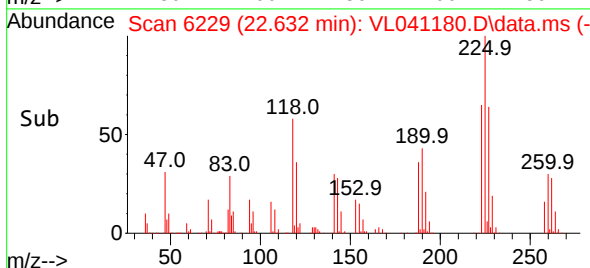
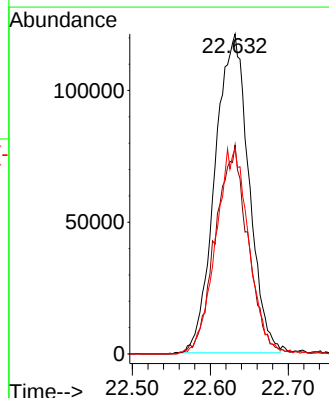
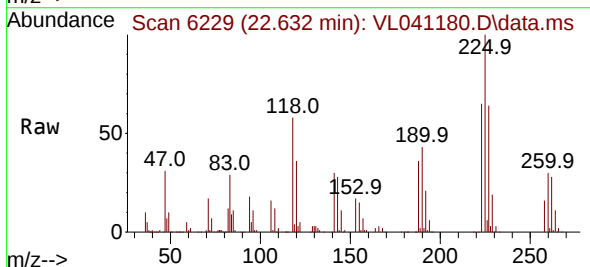
Tgt Ion:225 Resp: 365055

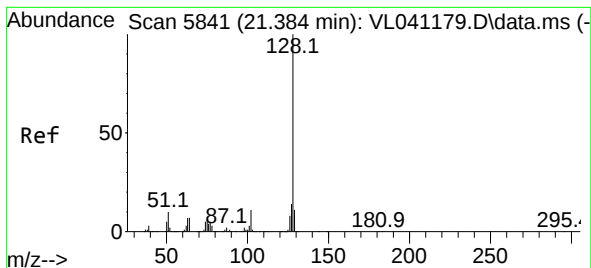
Ion Ratio Lower Upper

225 100

223 63.8 50.9 76.3

227 63.9 52.0 78.0





#79

Naphthalene

Concen: 2.456 ppbv

RT: 21.381 min Scan# 5841

Delta R.T. -0.003 min

Lab File: VL041180.D

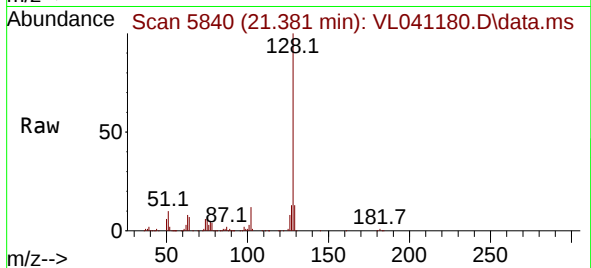
Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002



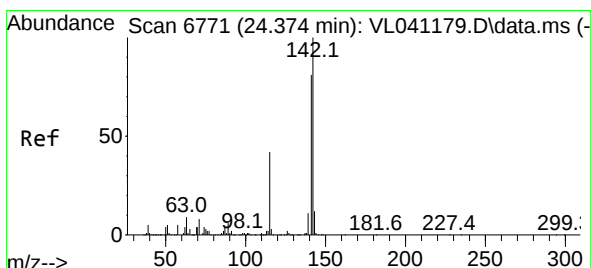
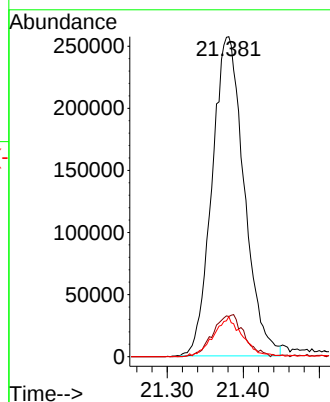
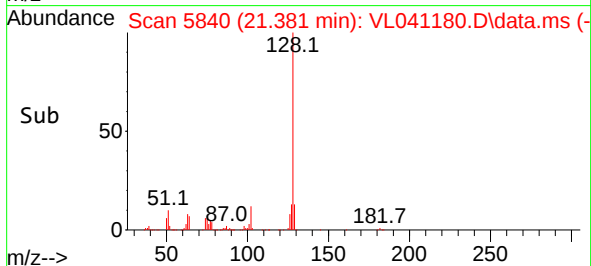
Tgt Ion:128 Resp: 752980

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.8	16.2
129	12.5	8.9	13.3

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Reviewed By :Semsettin Yesilyurt 04/30/2024
Supervised By :Mahesh Dadoda 04/30/2024



#80

Naphthalene,2-methyl-

Concen: 2.470 ppbv

RT: 24.365 min Scan# 6768

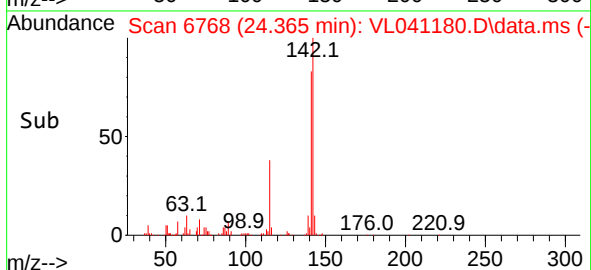
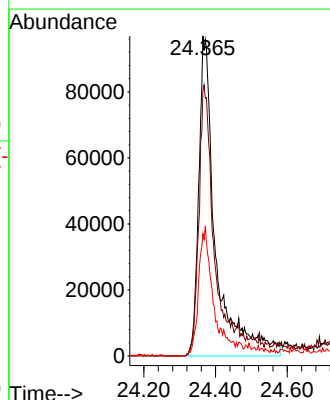
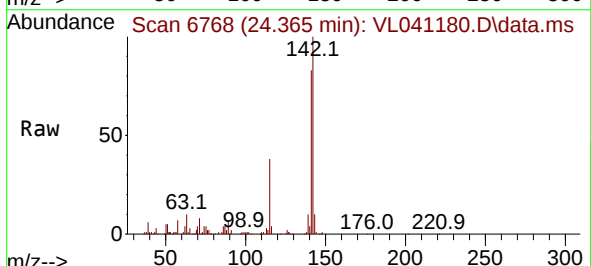
Delta R.T. -0.010 min

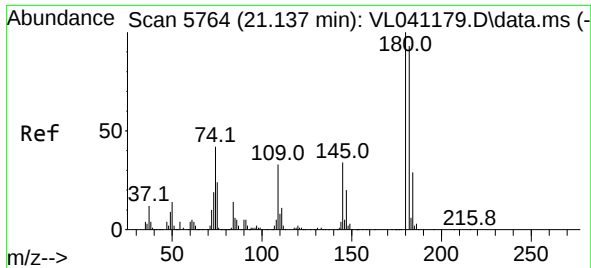
Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Tgt Ion:142 Resp: 318754

Ion	Ratio	Lower	Upper
142	100		
141	78.6	67.9	101.9
115	34.7	31.4	47.0





#81
 1,2,4-Trichlorobenzene
 Concen: 2.251 ppbv
 RT: 21.130 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VL041180.D
 Acq: 29 Apr 2024 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:180 Resp: 368750
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.2 115.8
 184 31.3 24.6 36.8

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/30/2024
 Supervised By :Mahesh Dadoda 04/30/2024

