

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052124\
 Data File : VL041261.D
 Acq On : 21 May 2024 12:15
 Operator : SY/MD
 Sample : VL0521ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0521ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2024
 Supervised By :Mahesh Dadoda 05/22/2024

Quant Time: May 22 05:42:38 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 : Wed May 22 05:39:49 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	873257	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2232527	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2417863	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 1762932 9.658 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.745	85	1194325	10.111	ppbv	99
3) Chlorodifluoromethane	2.690	51	1460029	11.008	ppbv	98
4) Chloromethane	2.829	50	573489	11.020	ppbv	97
5) Vinyl Chloride	2.935	62	575237	11.003	ppbv	97
6) Bromomethane	3.134	94	209719	10.994	ppbv	99
7) Chloroethane	3.211	64	196489	10.645	ppbv	96
8) Dichlorotetrafluoroethane	2.870	85	1381390	11.299	ppbv	100
9) Propene	2.710	41	532813	10.265	ppbv	98
10) Heptane	7.581	43	1288564	10.247	ppbv	99
11) Trichlorofluoromethane	3.574	101	1405534	11.708	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.076	101	990175	11.154	ppbv	99
13) Ethanol	3.253	45	126743	10.893	ppbv	100
14) Bromoethene	3.378	108	415863	11.351	ppbv	98
15) Acetone	3.478	43	1031373	10.007	ppbv	99
16) 1,3-Butadiene	2.999	39	583634	11.218	ppbv	98
17) tert-Butyl alcohol	3.886	59	1088667	9.792	ppbv	99
18) 1,1-Dichloroethene	3.890	96	448808	11.339	ppbv	96
19) Isopropyl Alcohol	3.584	45	753929	11.148	ppbv #	44
20) Methylene Chloride	3.944	84	408141	11.388	ppbv	97
21) Allyl Chloride	4.005	41	724402	10.780	ppbv	97
22) trans-1,2-Dichloroethene	4.455	96	453911	11.027	ppbv	97
23) Vinyl Acetate	4.632	43	1238212	10.911	ppbv	99
24) 1,1-Dichloroethane	4.571	63	988275	11.199	ppbv	99
25) Ethyl Acetate	5.208	43	2172312	10.560	ppbv	99
26) Hexane	5.218	57	959205	10.449	ppbv	98
27) Carbon Disulfide	4.131	76	1181005	10.868	ppbv	96
28) Methyl tert-Butyl Ether	4.594	73	728777	9.970	ppbv	100
29) Chloroform	5.279	83	1474758	11.645	ppbv	98
30) Cyclohexane	6.607	84	784540	10.796	ppbv	98
31) cis-1,2-Dichloroethene	5.086	61	927852	10.797	ppbv	93
32) 1,1,1-Trichloroethane	6.005	97	1484968	11.752	ppbv	99
34) 2-Butanone	4.793	43	1158244	10.193	ppbv	98
35) Carbon Tetrachloride	6.497	117	1521744	12.146	ppbv	99
36) Benzene	6.375	78	2016598	10.764	ppbv	99
37) 1,2-Dichloroethane	5.812	62	1167634	11.945	ppbv	99
38) Trichloroethene	7.295	130	774055	11.087	ppbv	98
39) 1,2-Dichloropropane	7.076	63	773639	10.715	ppbv	98
40) 1,4-Dioxane	7.288	88	309399	11.995	ppbv #	1
41) Tetrahydrofuran	5.562	42	833112	10.128	ppbv	99
42) Bromodichloromethane	7.253	83	1696200	12.099	ppbv	99
43) Methyl Methacrylate	7.478	69	818486	10.801	ppbv	99
44) 2,2,4-Trimethylpentane	7.330	57	3361366	10.406	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	662949	12.073	ppbv	96

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

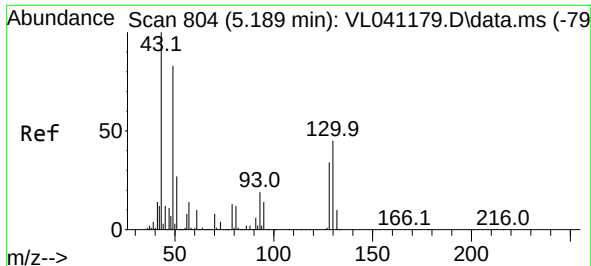
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Wed May 22 05:39:49 2024

Response via : Initial Calibration

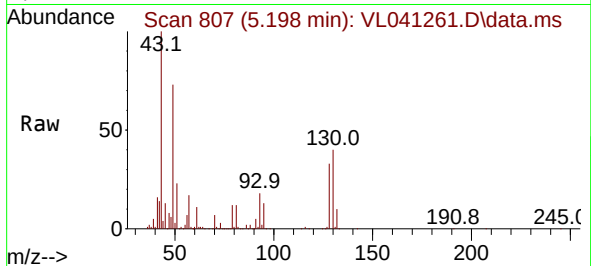
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	791224	11.770	ppbv	98
47) 1,1,2-Trichloroethane	8.899	97	830843	11.497	ppbv	99
48) Dibromochloromethane	9.709	129	1417102	12.307	ppbv	99
49) Bromoform	12.404	173	1183435	12.081	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	2132553	10.458	ppbv	100
51) 2-Hexanone	9.549	43	1535988	10.155	ppbv #	98
52) Tetrachloroethene	10.616	164	719037	10.919	ppbv	95
53) Toluene	9.221	91	2345566	10.797	ppbv	98
54) 1,2-Dibromoethane	10.012	107	1167017	11.922	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.507	131	1026918	10.474	ppbv	97
57) Chlorobenzene	11.526	112	1756255	9.918	ppbv	96
58) Ethyl Benzene	12.085	91	3176468	9.581	ppbv	100
59) m/p-Xylene	12.372	91	5378321m	19.302	ppbv	
60) o-Xylene	13.056	91	2532201	9.695	ppbv	100
61) Styrene	12.896	104	1375146	9.966	ppbv	99
62) Isopropylbenzene	14.027	105	3798372	9.722	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.044	83	1786071	10.032	ppbv	100
64) n-propylbenzene	14.918	120	995394	10.212	ppbv	96
65) tert-Butylbenzene	16.085	119	3320607	9.490	ppbv	99
66) Benzyl Chloride	16.326	91	281376	7.104	ppbv	98
67) sec-Butylbenzene	16.632	105	4722075	9.586	ppbv	98
69) p-Isopropyltoluene	16.992	119	3917549	9.651	ppbv	99
70) n-Butylbenzene	17.883	91	4117516	9.712	ppbv	99
71) 2-Chlorotoluene	14.796	91	2899795	9.748	ppbv	98
72) 4-Ethyltoluene	15.188	105	3052390	10.317	ppbv	98
73) 1,3,5-Trimethylbenzene	15.349	105	2656414	9.924	ppbv	99
74) 1,2,4-Trimethylbenzene	16.108	105	2876142	9.838	ppbv	92
75) 1,3-Dichlorobenzene	16.330	146	1710958	10.206	ppbv	100
76) 1,4-Dichlorobenzene	16.474	146	1696583	10.524	ppbv	99
77) 1,2-Dichlorobenzene	17.140	146	1668895	9.960	ppbv	99
78) Hexachloro-1,3-Butadiene	22.625	225	1183846	7.949	ppbv	99
79) Naphthalene	21.378	128	2885841	10.366	ppbv	100
80) Naphthalene,2-methyl-	24.371	142	925888	8.267	ppbv	99
81) 1,2,4-Trichlorobenzene	21.133	180	1391398	9.465	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

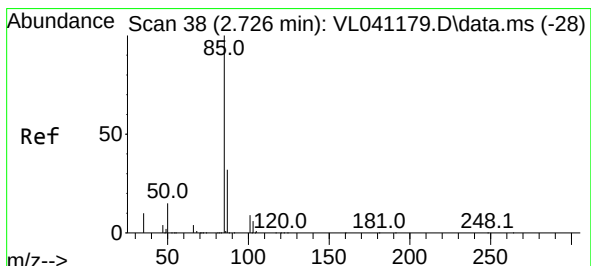
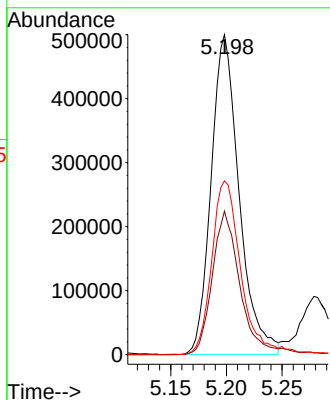
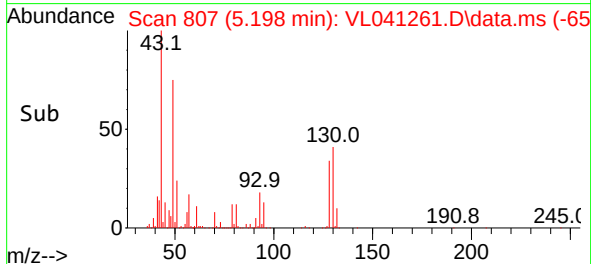
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



Tgt Ion: 49 Resp: 87325
Ion Ratio Lower Upper
49 100
128 45.6 21.5 64.5
130 57.7 27.2 81.6

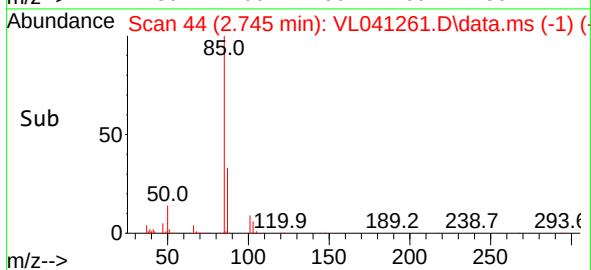
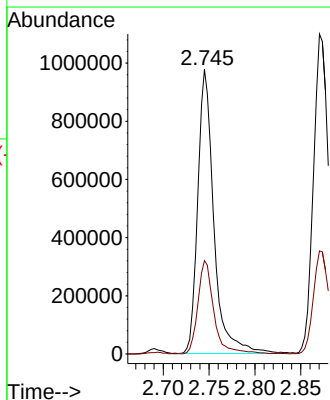
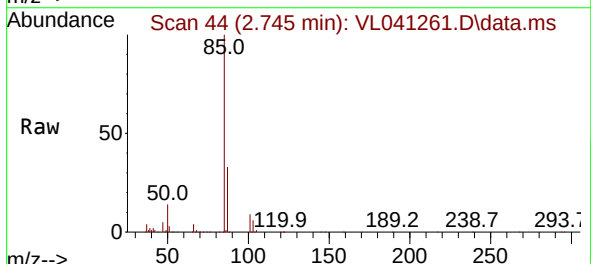
Manual Integrations
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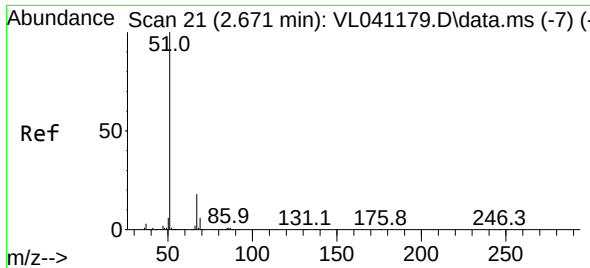
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#2
Dichlorodifluoromethane
Concen: 10.111 ppbv
RT: 2.745 min Scan# 44
Delta R.T. -0.003 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

Tgt Ion: 85 Resp: 1194325
Ion Ratio Lower Upper
85 100
87 32.7 25.7 38.5





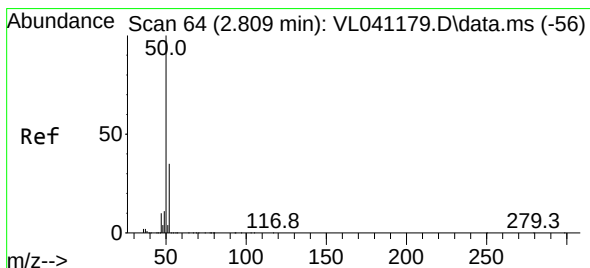
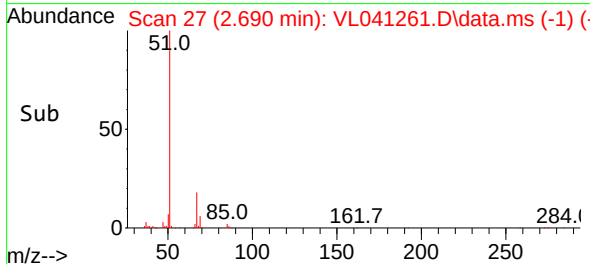
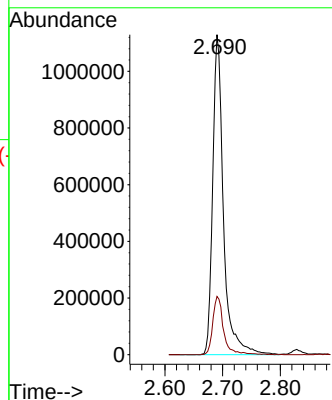
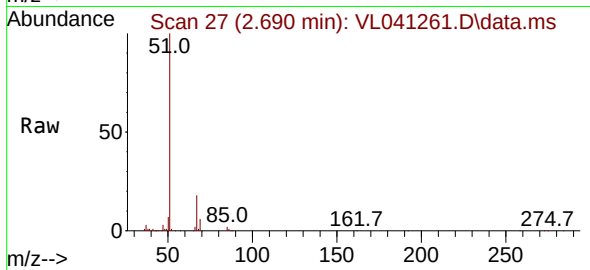
#3
Chlorodifluoromethane
Concen: 11.008 ppbv
RT: 2.690 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01

Tgt Ion: 51 Resp: 1460029
Ion Ratio Lower Upper
51 100
67 18.4 14.0 21.0

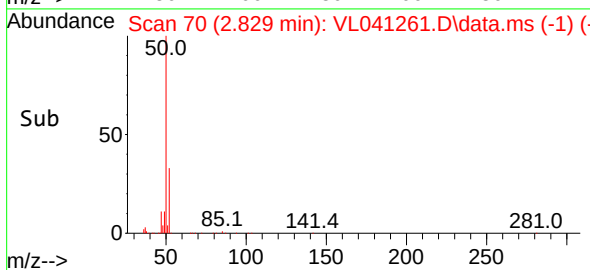
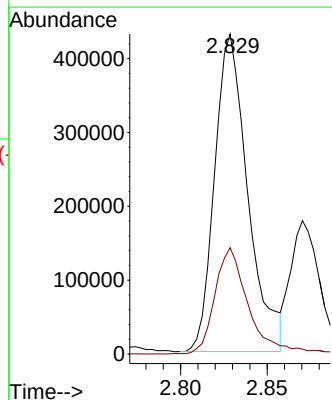
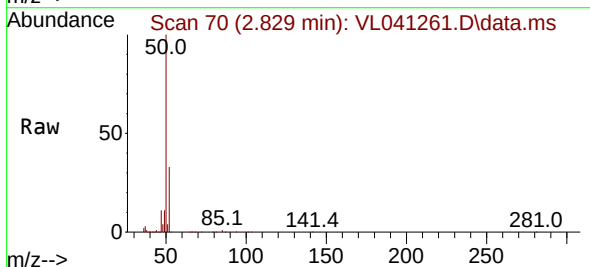
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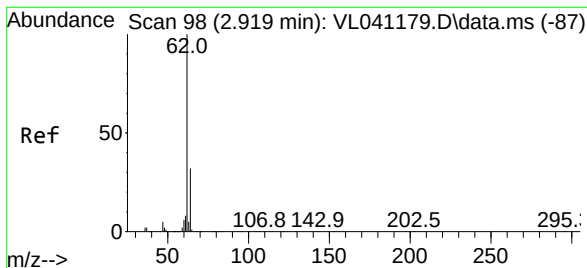
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#4
Chloromethane
Concen: 11.020 ppbv
RT: 2.829 min Scan# 70
Delta R.T. -0.003 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

Tgt Ion: 50 Resp: 573489
Ion Ratio Lower Upper
50 100
52 33.4 28.3 42.5





#5
 Vinyl Chloride
 Concen: 11.003 ppbv
 RT: 2.935 min Scan# 103
 Delta R.T. -0.003 min
 Lab File: VL041261.D
 Acq: 21 May 2024 12:15

Instrument :

MSVOA_L

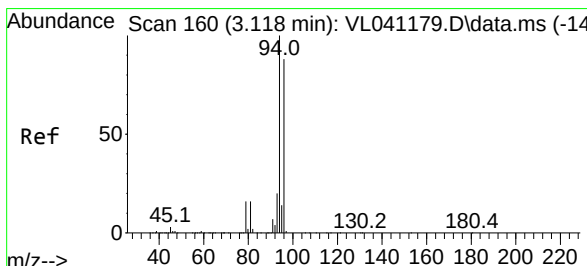
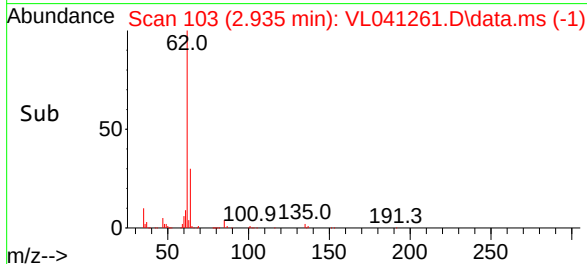
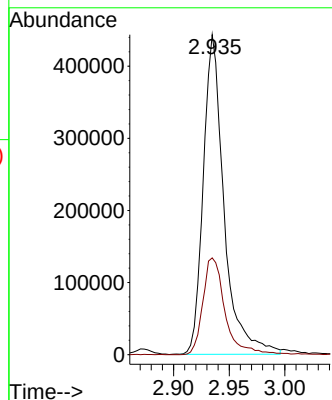
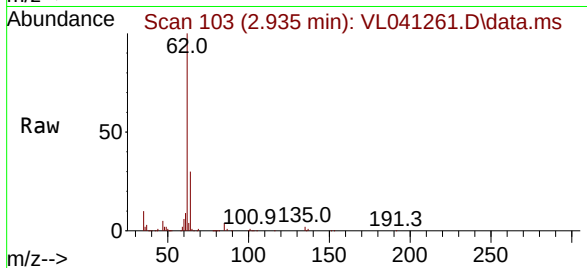
ClientSampleId :

VL0521ABS01

Tgt Ion: 62 Resp: 57523
 Ion Ratio Lower Upper
 62 100
 64 30.3 25.7 38.5

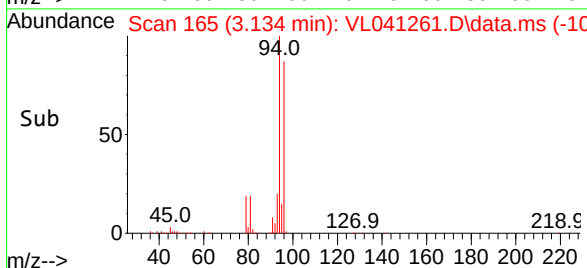
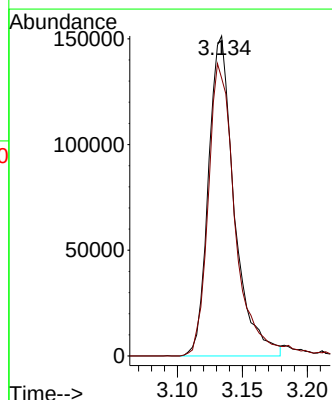
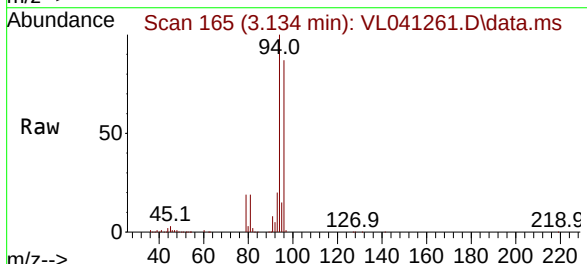
Manual Integrations
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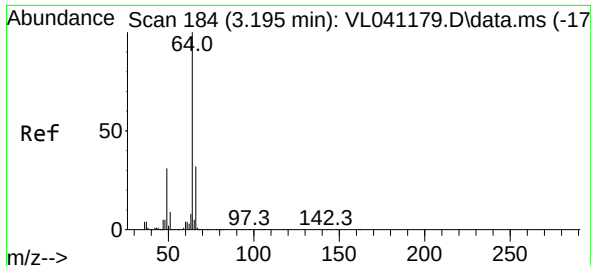
Reviewed By :Semsettin Yesilyurt 05/22/2024
 Supervised By :Mahesh Dadoda 05/22/2024



#6
 Bromomethane
 Concen: 10.994 ppbv
 RT: 3.134 min Scan# 165
 Delta R.T. -0.000 min
 Lab File: VL041261.D
 Acq: 21 May 2024 12:15

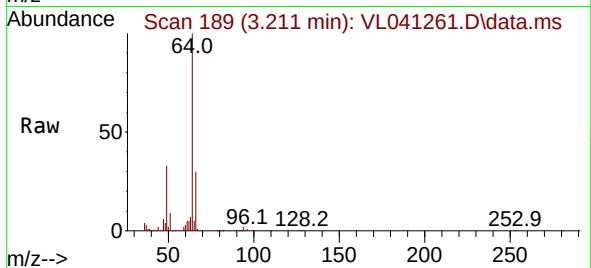
Tgt Ion: 94 Resp: 209719
 Ion Ratio Lower Upper
 94 100
 96 86.8 70.1 105.1





#7
Chloroethane
Concen: 10.645 ppbv
RT: 3.211 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

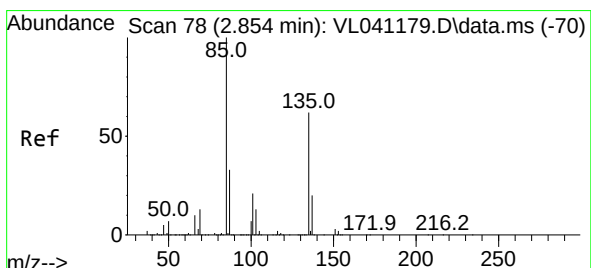
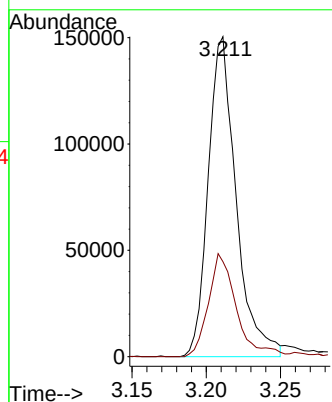
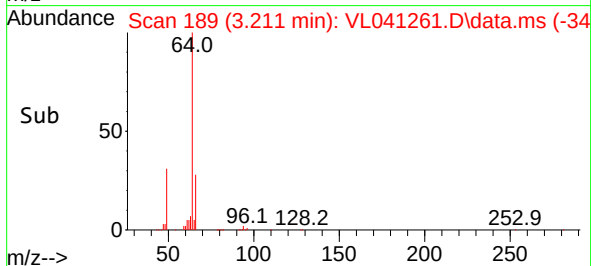
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



Tgt Ion: 64 Resp: 196489
Ion Ratio Lower Upper
64 100
66 29.7 25.4 38.2

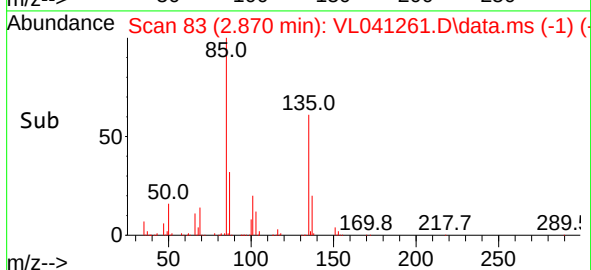
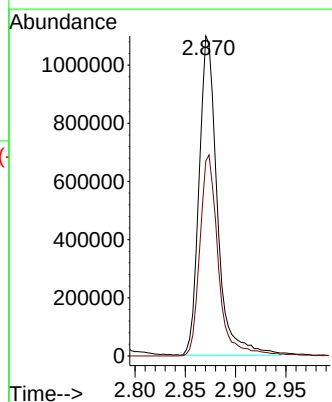
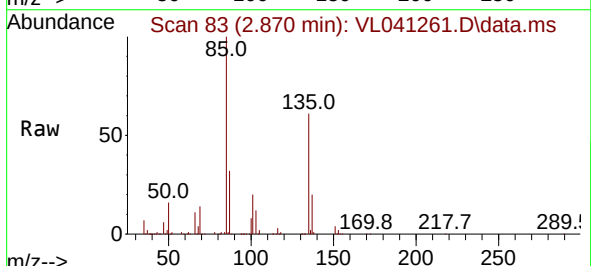
Manual Integrations
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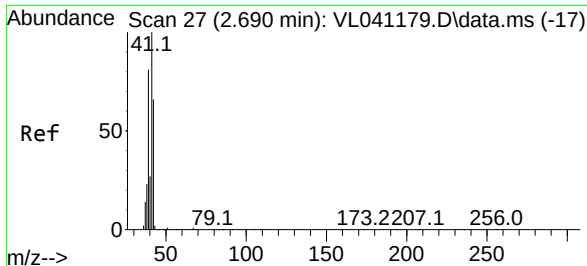
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#8
Dichlorotetrafluoroethane
Concen: 11.299 ppbv
RT: 2.870 min Scan# 83
Delta R.T. -0.003 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

Tgt Ion: 85 Resp: 1381390
Ion Ratio Lower Upper
85 100
135 64.3 51.5 77.3





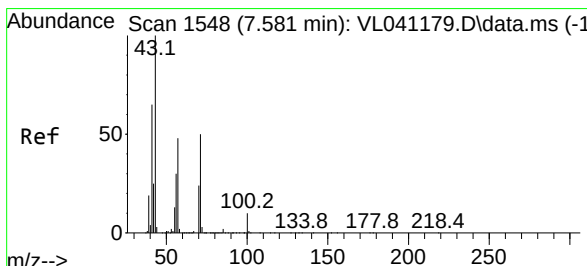
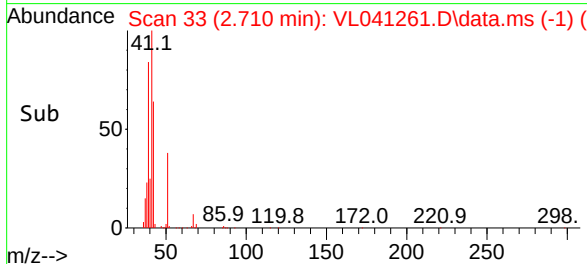
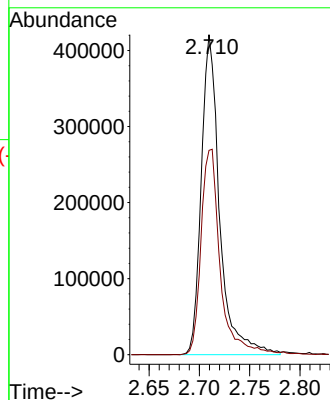
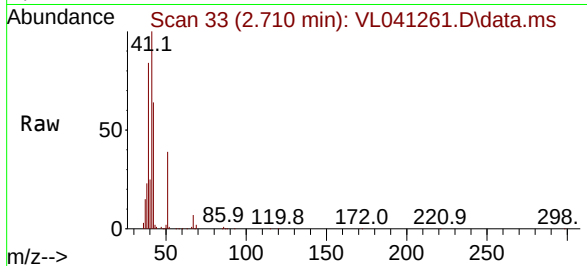
#9
 Propene
 Concen: 10.265 ppbv
 RT: 2.710 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VL041261.D
 Acq: 21 May 2024 12:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0521ABS01

Tgt Ion: 41 Resp: 53281
 Ion Ratio Lower Upper
 41 100
 42 67.7 55.3 82.9

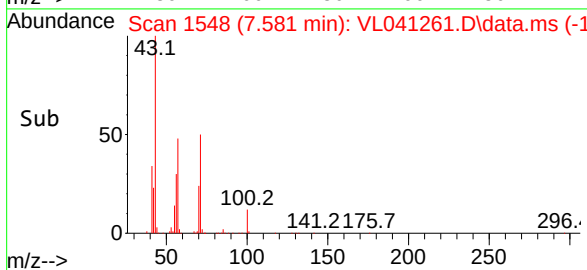
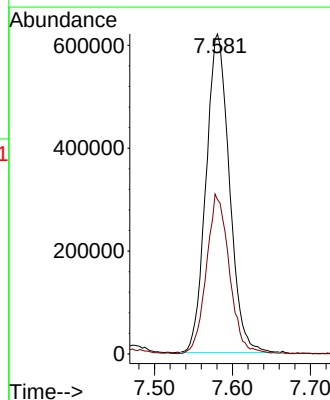
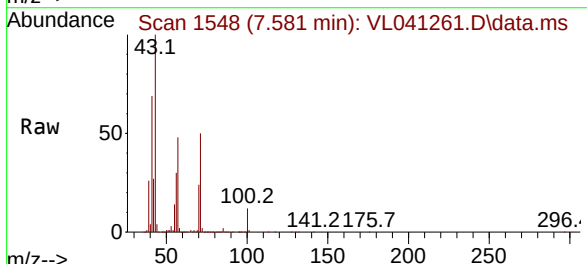
Manual Integrations
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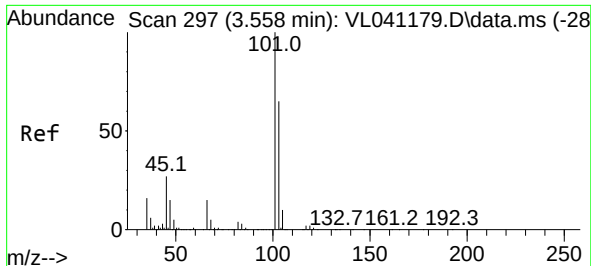
Reviewed By :Semsettin Yesilyurt 05/22/2024
 Supervised By :Mahesh Dadoda 05/22/2024



#10
 Heptane
 Concen: 10.247 ppbv
 RT: 7.581 min Scan# 1548
 Delta R.T. -0.003 min
 Lab File: VL041261.D
 Acq: 21 May 2024 12:15

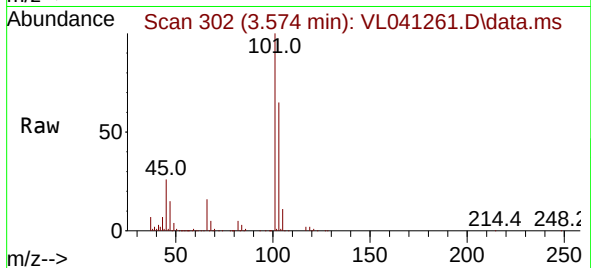
Tgt Ion: 43 Resp: 1288564
 Ion Ratio Lower Upper
 43 100
 57 49.2 38.7 58.1





#11
 Trichlorofluoromethane
 Concen: 11.708 ppbv
 RT: 3.574 min Scan# 302
 Delta R.T. -0.000 min
 Lab File: VL041261.D
 Acq: 21 May 2024 12:15

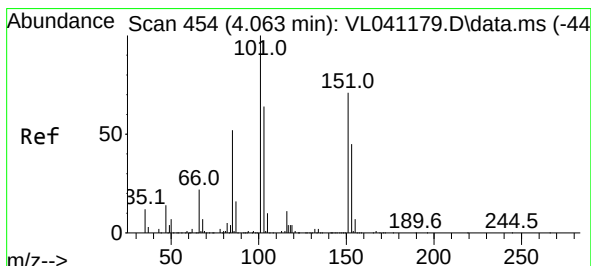
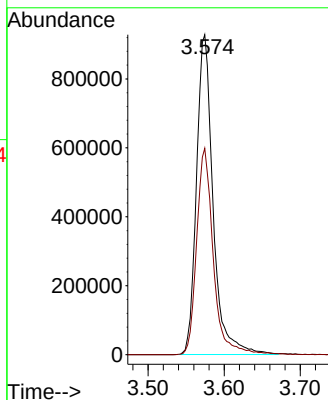
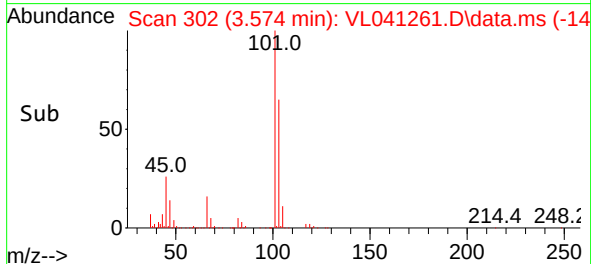
Instrument : MSVOA_L
 ClientSampleId : VL0521ABS01



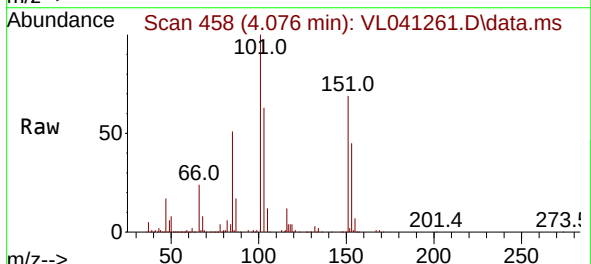
Tgt Ion:101 Resp: 1405534
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.6 77.4

Manual Integrations
 APPROVED

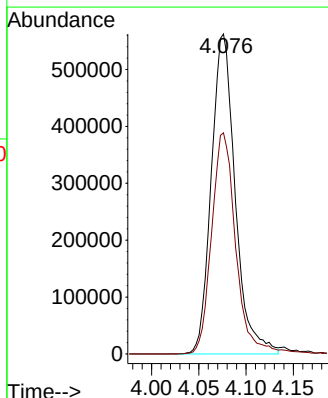
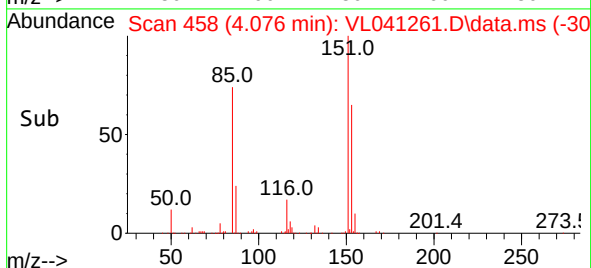
Reviewed By :Semsettin Yesilyurt 05/22/2024
 Supervised By :Mahesh Dadoda 05/22/2024

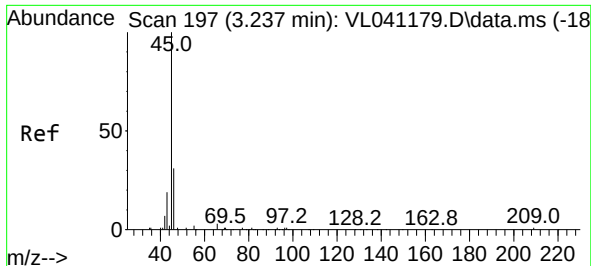


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.154 ppbv
 RT: 4.076 min Scan# 458
 Delta R.T. -0.000 min
 Lab File: VL041261.D
 Acq: 21 May 2024 12:15



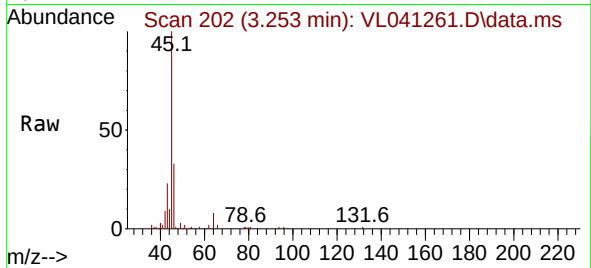
Tgt Ion:101 Resp: 990175
 Ion Ratio Lower Upper
 101 100
 151 70.3 56.8 85.2





#13
Ethanol
Concen: 10.893 ppbv
RT: 3.253 min Scan# 20
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

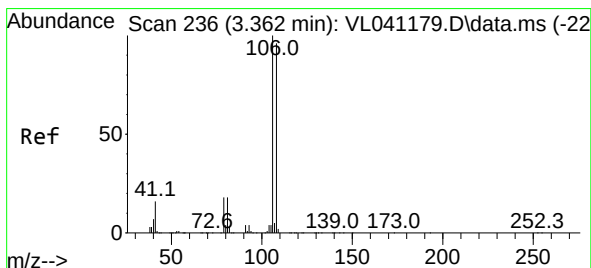
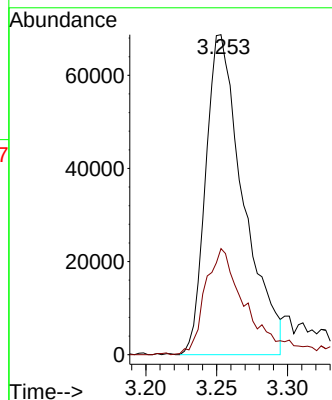
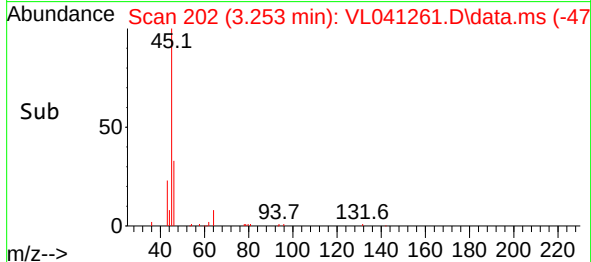
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



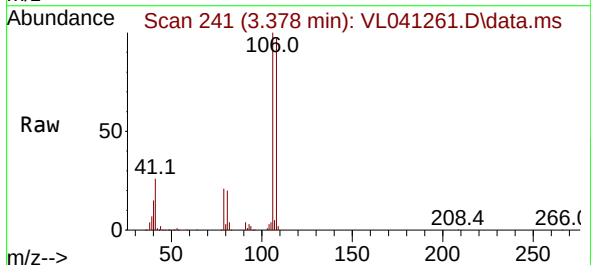
Tgt Ion: 45 Resp: 12674
Ion Ratio Lower Upper
45 100
46 36.7 14.8 59.0

Manual Integrations
APPROVED

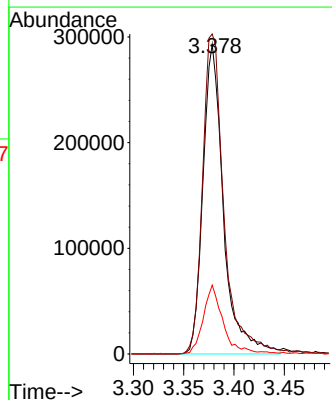
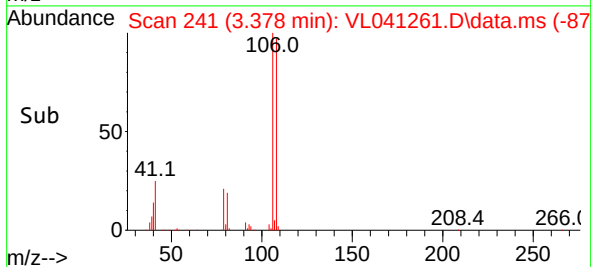
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024

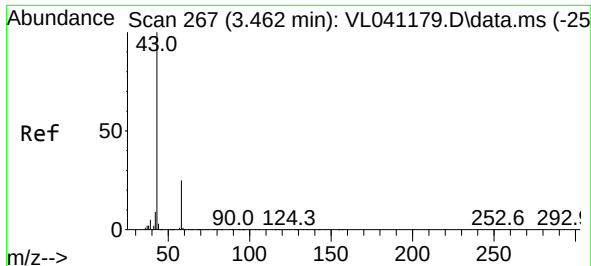


#14
Bromoethene
Concen: 11.351 ppbv
RT: 3.378 min Scan# 241
Delta R.T. -0.003 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15



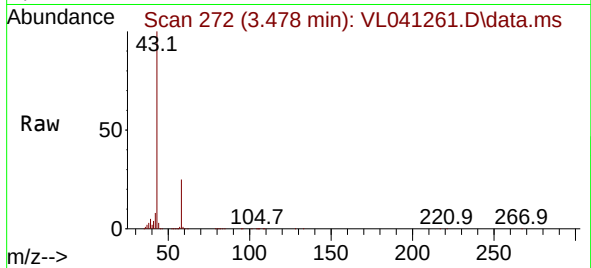
Tgt Ion:108 Resp: 415863
Ion Ratio Lower Upper
108 100
106 108.6 88.2 132.4
79 22.4 17.4 26.0





#15
Acetone
Concen: 10.007 ppbv
RT: 3.478 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

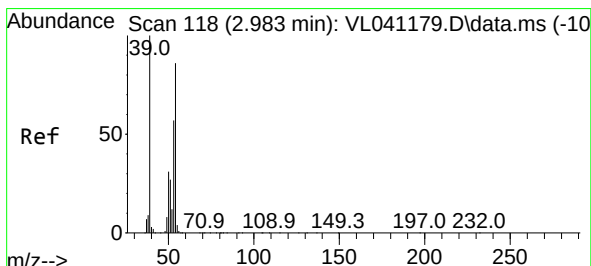
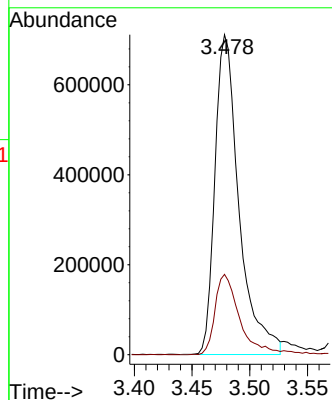
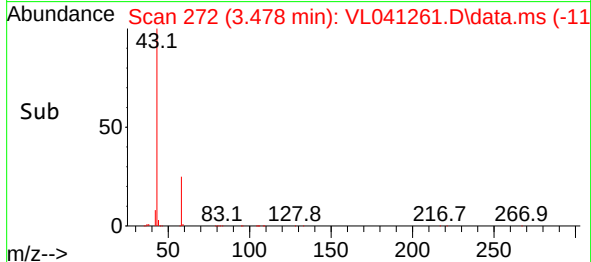
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



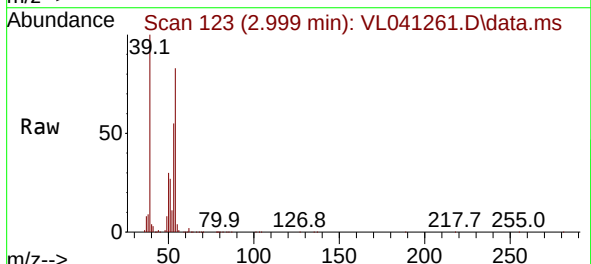
Tgt Ion: 43 Resp: 103137
Ion Ratio Lower Upper
43 100
58 26.2 21.4 32.0

Manual Integrations
APPROVED

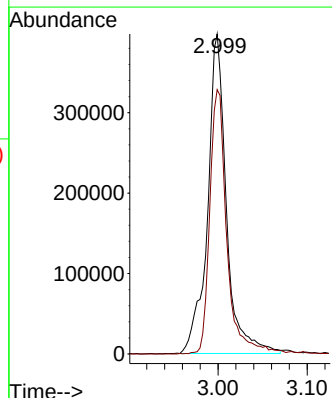
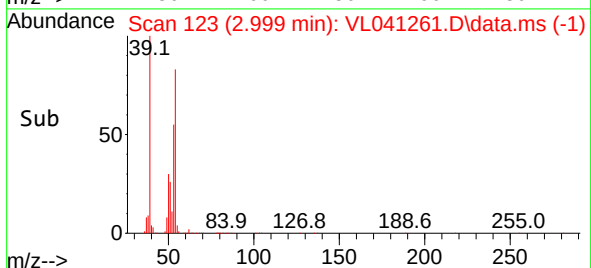
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024

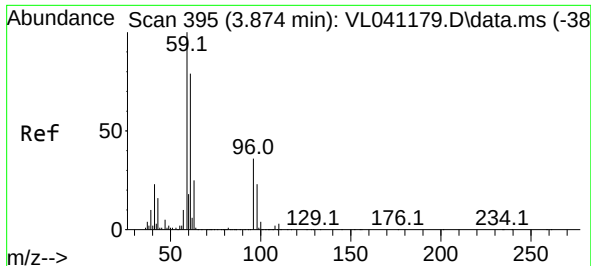


#16
1,3-Butadiene
Concen: 11.218 ppbv
RT: 2.999 min Scan# 123
Delta R.T. -0.003 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15



Tgt Ion: 39 Resp: 583634
Ion Ratio Lower Upper
39 100
54 75.7 62.2 93.4





#17

tert-Butyl alcohol

Concen: 9.792 ppbv

RT: 3.886 min Scan# 395

Delta R.T. -0.000 min

Lab File: VL041261.D

Acq: 21 May 2024 12:15

Instrument :

MSVOA_L

ClientSampleId :

VL0521ABS01

Tgt Ion: 59 Resp: 108866

Ion Ratio Lower Upper

59 100

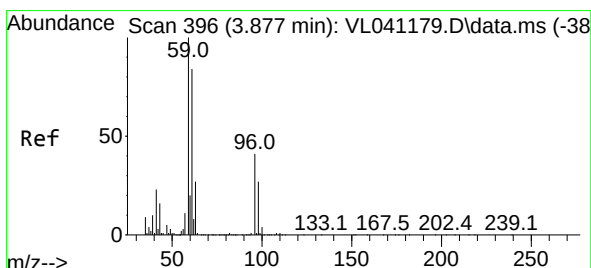
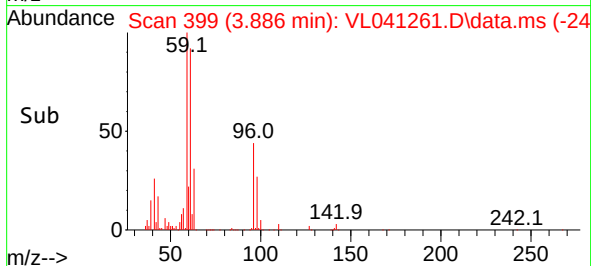
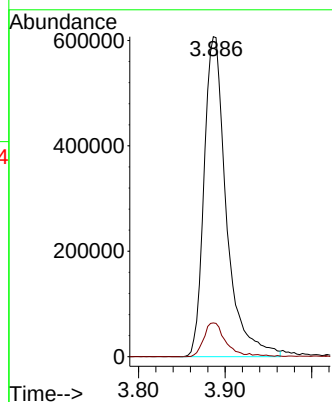
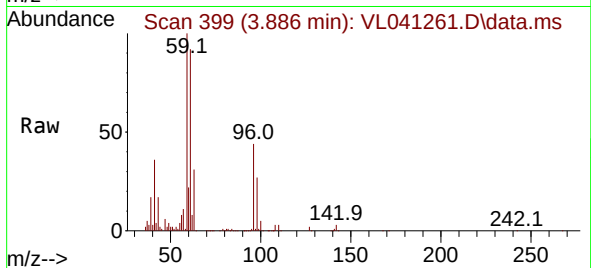
57 10.7 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2024

Supervised By :Mahesh Dadoda 05/22/2024



#18

1,1-Dichloroethene

Concen: 11.339 ppbv

RT: 3.890 min Scan# 400

Delta R.T. -0.000 min

Lab File: VL041261.D

Acq: 21 May 2024 12:15

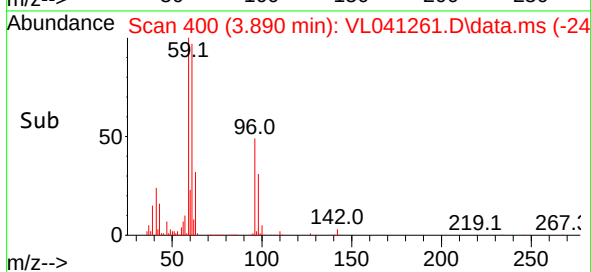
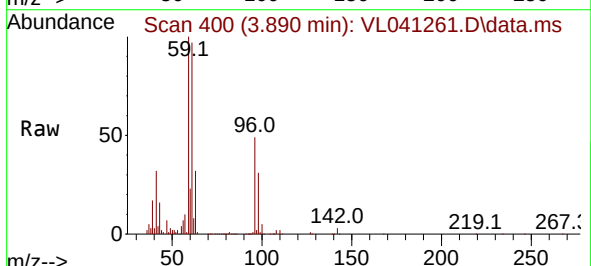
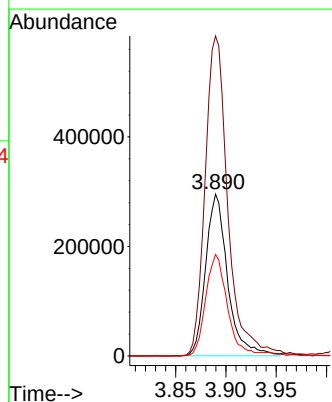
Tgt Ion: 96 Resp: 448808

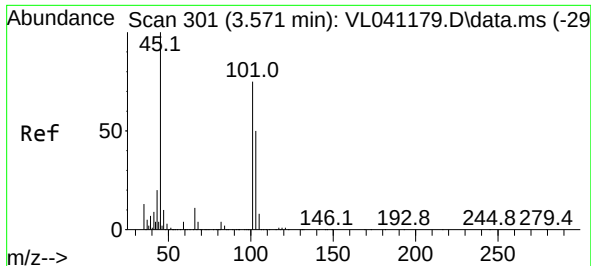
Ion Ratio Lower Upper

96 100

61 198.0 164.4 246.6

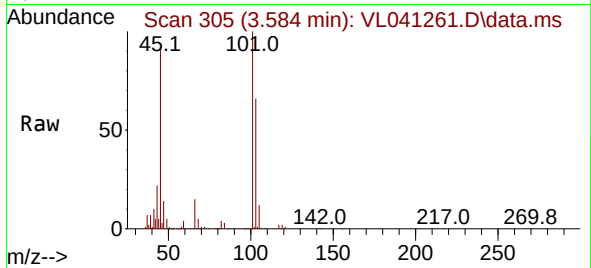
98 62.8 51.8 77.8





#19
Isopropyl Alcohol
Concen: 11.148 ppbv
RT: 3.584 min Scan# 305
Delta R.T. -0.003 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

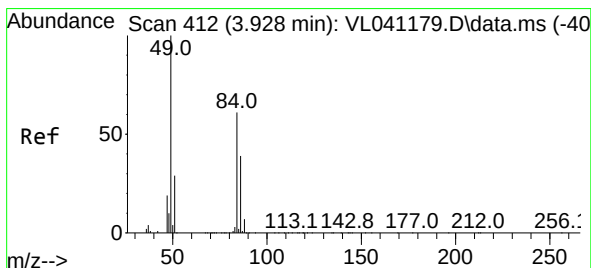
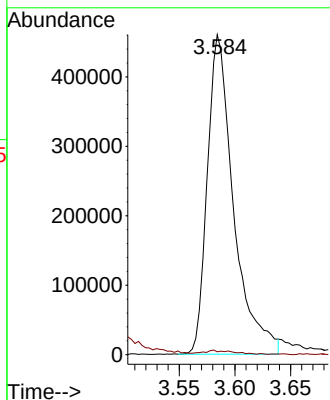
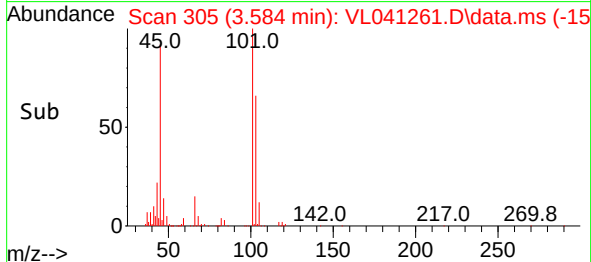
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



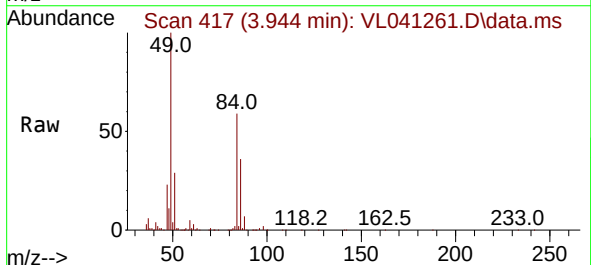
Tgt Ion: 45 Resp: 753929
Ion Ratio Lower Upper
45 100
58 1.7 26.8 40.2

Manual Integrations
APPROVED

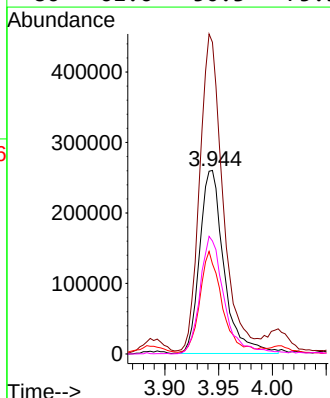
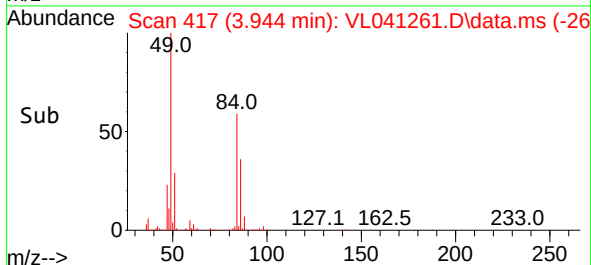
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024

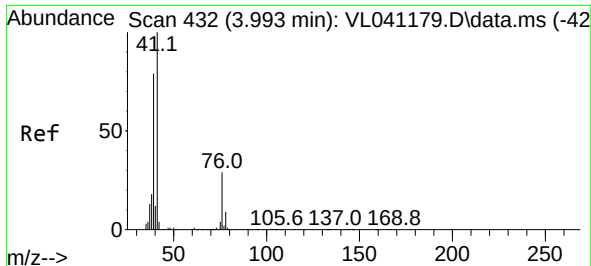


#20
Methylene Chloride
Concen: 11.388 ppbv
RT: 3.944 min Scan# 417
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15



Tgt Ion: 84 Resp: 408141
Ion Ratio Lower Upper
84 100
49 168.5 130.4 195.6
51 48.3 38.0 57.0
86 61.6 50.3 75.5





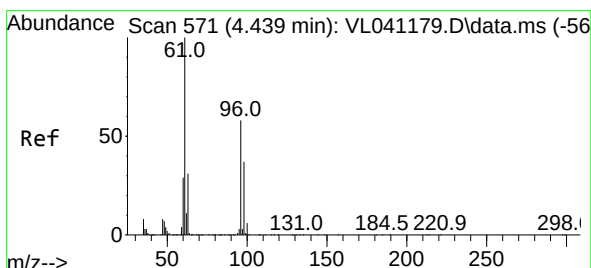
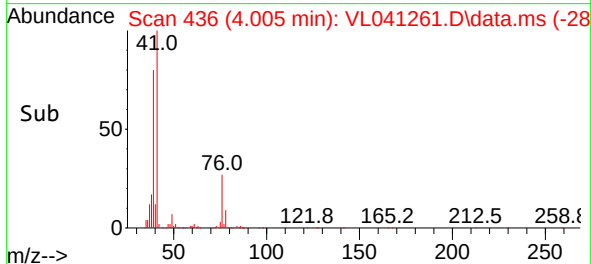
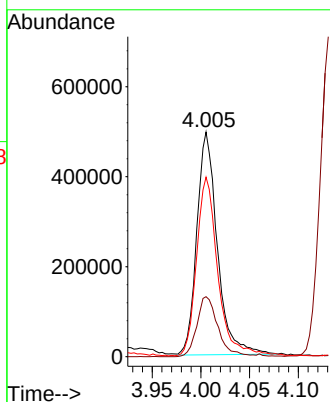
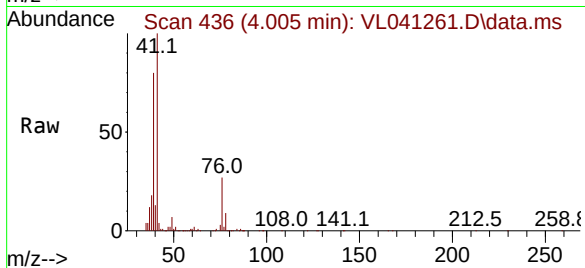
#21
 Allyl Chloride
 Concen: 10.780 ppbv
 RT: 4.005 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL041261.D
 Acq: 21 May 2024 12:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0521ABS01

Tgt Ion: 41 Resp: 724402
 Ion Ratio Lower Upper
 41 100
 76 28.2 23.7 35.5
 39 83.4 64.7 97.1

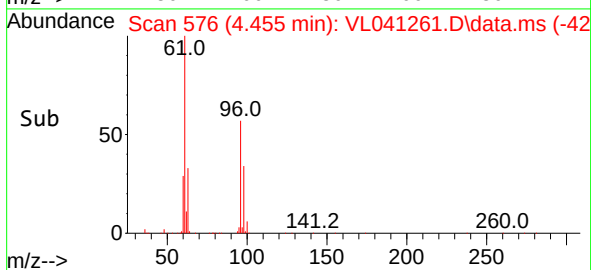
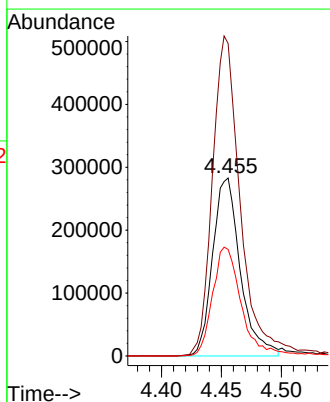
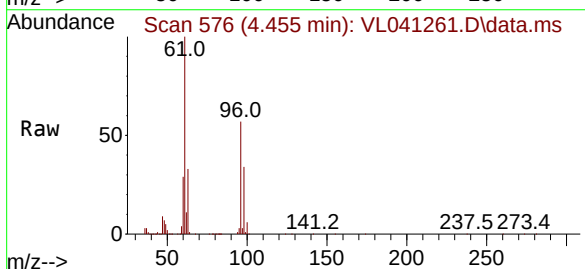
Manual Integrations
 APPROVED

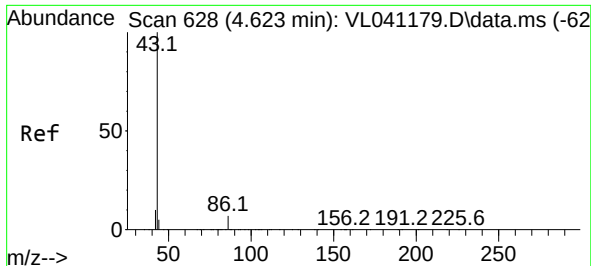
Reviewed By :Semsettin Yesilyurt 05/22/2024
 Supervised By :Mahesh Dadoda 05/22/2024



#22
 trans-1,2-Dichloroethene
 Concen: 11.027 ppbv
 RT: 4.455 min Scan# 576
 Delta R.T. 0.003 min
 Lab File: VL041261.D
 Acq: 21 May 2024 12:15

Tgt Ion: 96 Resp: 453911
 Ion Ratio Lower Upper
 96 100
 61 175.5 137.6 206.4
 98 59.8 50.6 76.0





#23
 Vinyl Acetate
 Concen: 10.911 ppbv
 RT: 4.632 min Scan# 612
 Delta R.T. -0.003 min
 Lab File: VL041261.D
 Acq: 21 May 2024 12:15

Instrument :

MSVOA_L

ClientSampleId :

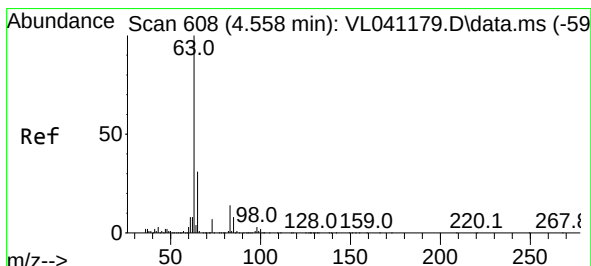
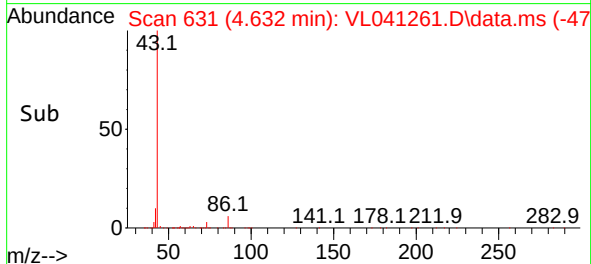
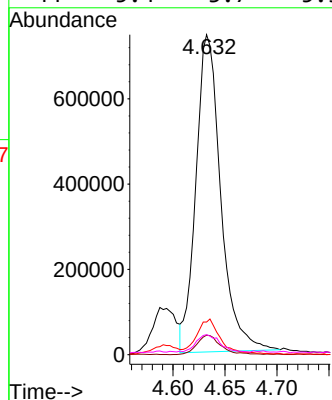
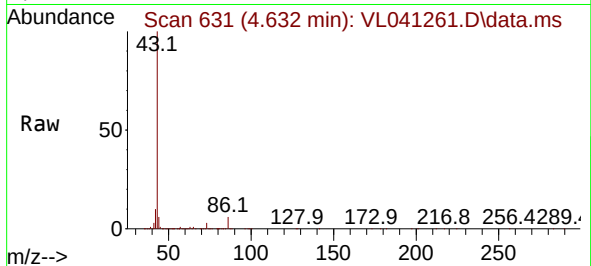
VL0521ABS01

Tgt Ion: 43 Resp: 123821
 Ion Ratio Lower Upper
 43 100
 86 6.1 4.9 7.3
 42 10.0 8.0 12.0
 44 5.4 3.7 5.5

Manual Integrations

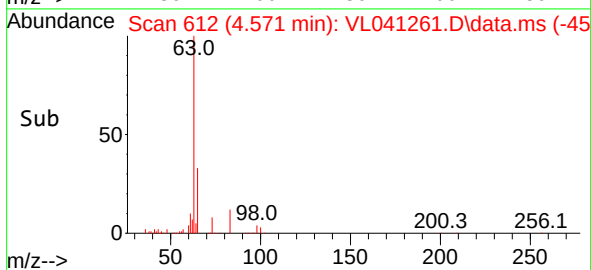
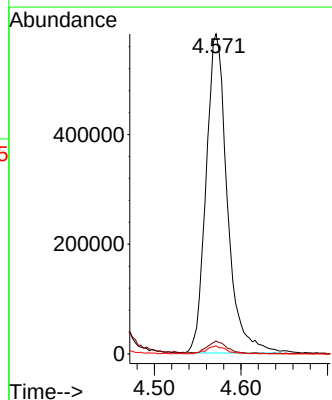
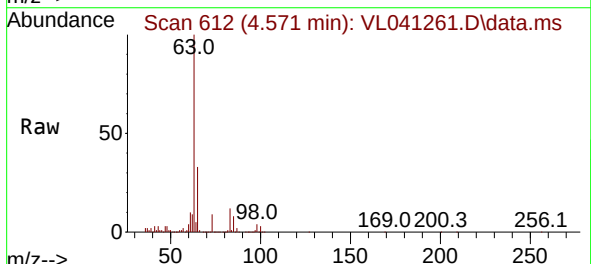
APPROVED

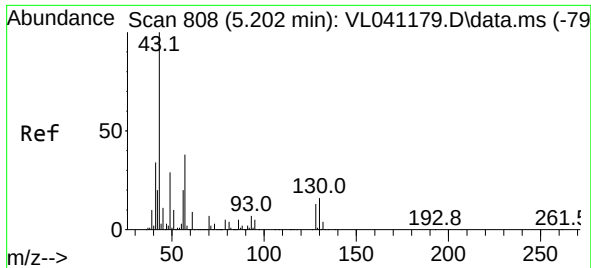
Reviewed By :Semsettin Yesilyurt 05/22/2024
 Supervised By :Mahesh Dadoda 05/22/2024



#24
 1,1-Dichloroethane
 Concen: 11.199 ppbv
 RT: 4.571 min Scan# 612
 Delta R.T. -0.003 min
 Lab File: VL041261.D
 Acq: 21 May 2024 12:15

Tgt Ion: 63 Resp: 988275
 Ion Ratio Lower Upper
 63 100
 98 3.8 1.6 4.8
 100 2.5 1.1 3.5





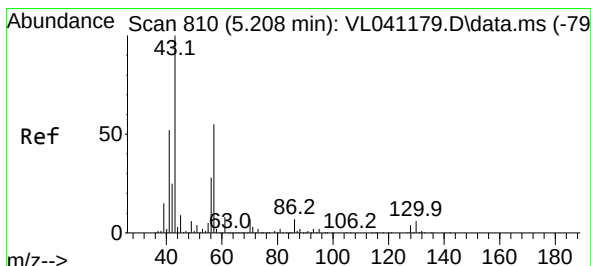
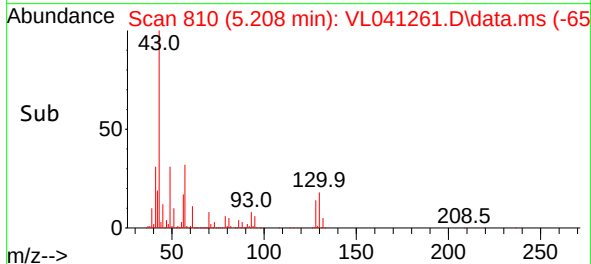
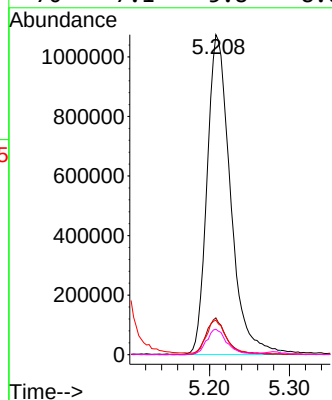
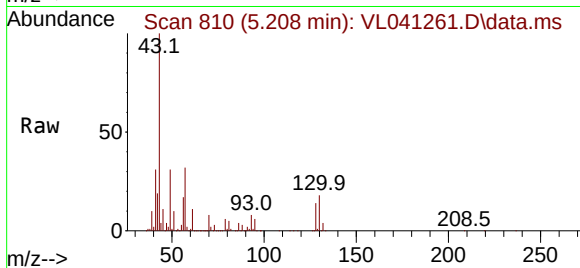
#25
Ethyl Acetate
Concen: 10.560 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.003 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01

Tgt Ion: 43 Resp: 217231
Ion Ratio Lower Upper
43 100
45 10.3 8.2 12.2
61 9.3 7.7 11.5
70 7.1 5.8 8.6

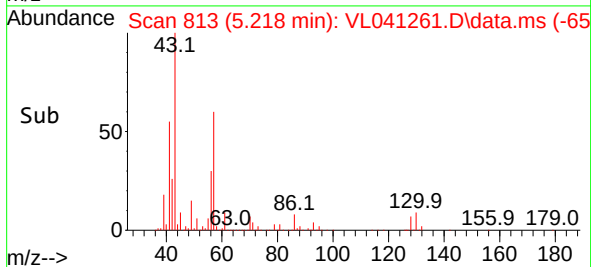
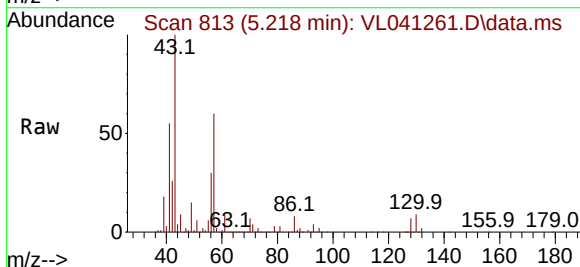
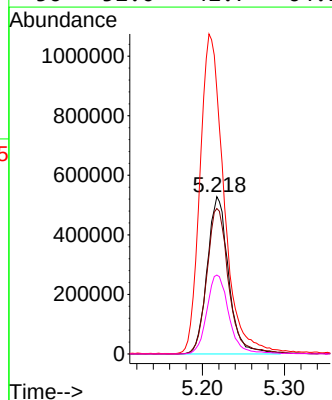
Manual Integrations
APPROVED

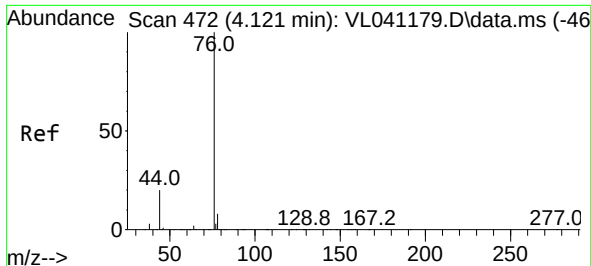
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#26
Hexane
Concen: 10.449 ppbv
RT: 5.218 min Scan# 813
Delta R.T. -0.003 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

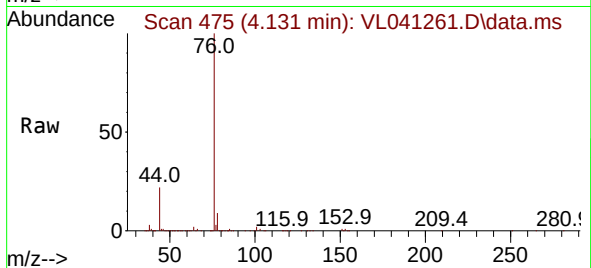
Tgt Ion: 57 Resp: 959205
Ion Ratio Lower Upper
57 100
41 95.6 75.8 113.8
43 228.2 187.0 280.4
56 52.0 42.7 64.1





#27
Carbon Disulfide
Concen: 10.868 ppbv
RT: 4.131 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

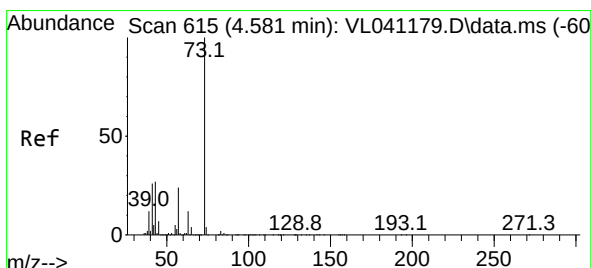
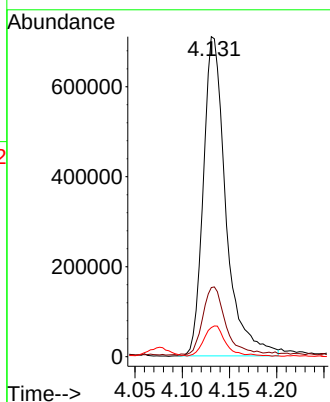
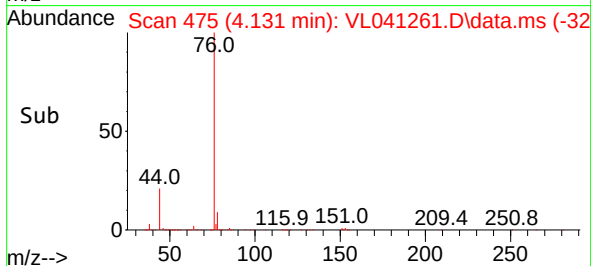
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



Tgt Ion: 76 Resp: 118100
Ion Ratio Lower Upper
76 100
44 22.8 16.3 24.5
78 9.7 7.3 10.9

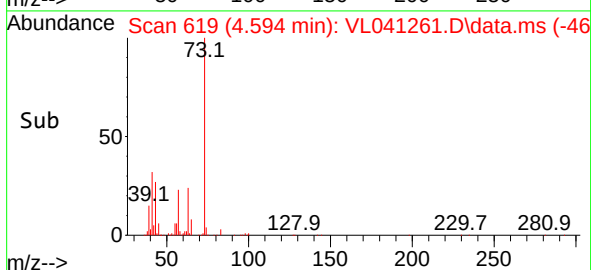
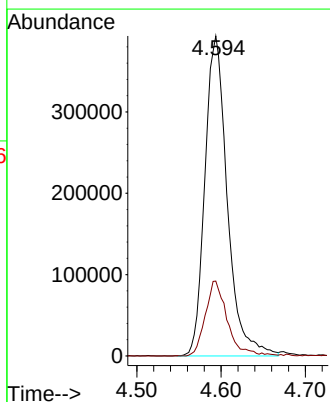
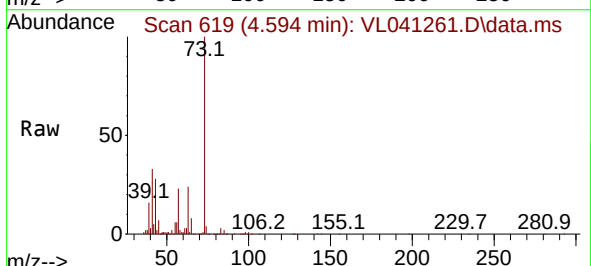
Manual Integrations
APPROVED

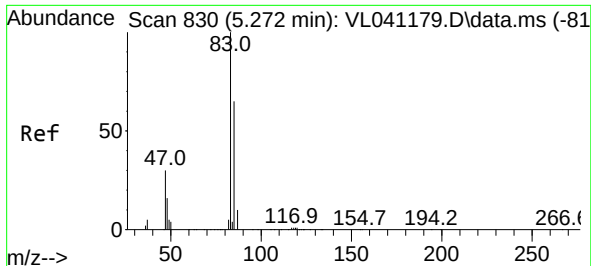
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#28
Methyl tert-Butyl Ether
Concen: 9.970 ppbv
RT: 4.594 min Scan# 619
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

Tgt Ion: 73 Resp: 728777
Ion Ratio Lower Upper
73 100
57 23.4 18.8 28.2





#29

Chloroform

Concen: 11.645 ppbv

RT: 5.279 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL041261.D

Acq: 21 May 2024 12:15

Instrument :

MSVOA_L

ClientSampleId :

VL0521ABS01

Tgt Ion: 83 Resp: 147475

Ion Ratio Lower Upper

83 100

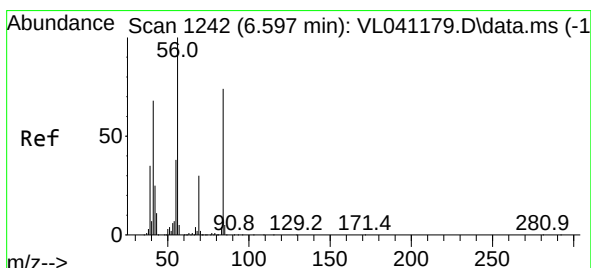
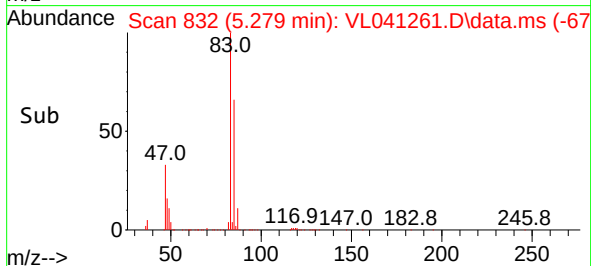
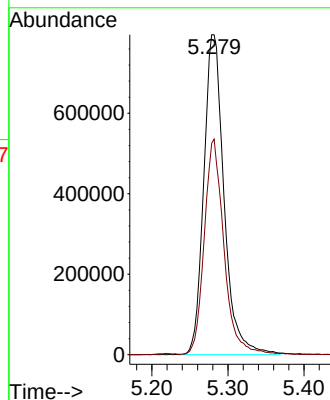
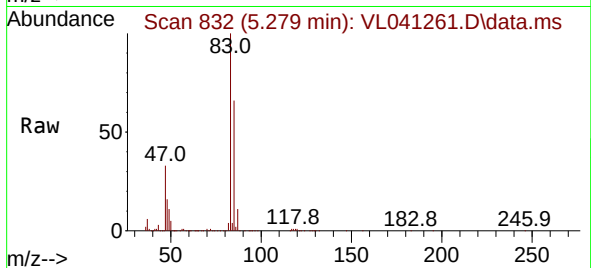
85 65.9 51.7 77.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2024

Supervised By :Mahesh Dadoda 05/22/2024



#30

Cyclohexane

Concen: 10.796 ppbv

RT: 6.607 min Scan# 1245

Delta R.T. -0.000 min

Lab File: VL041261.D

Acq: 21 May 2024 12:15

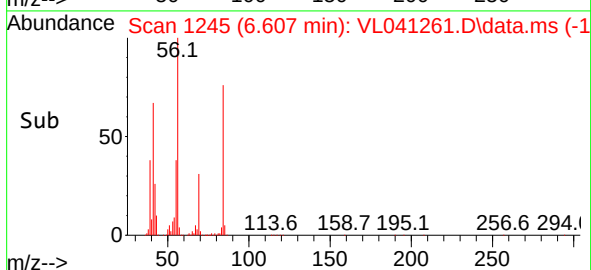
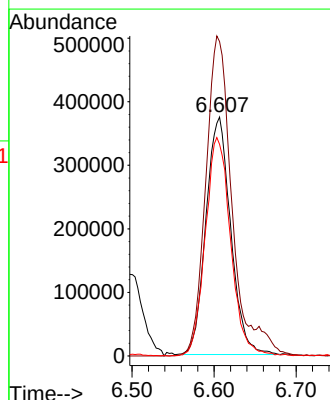
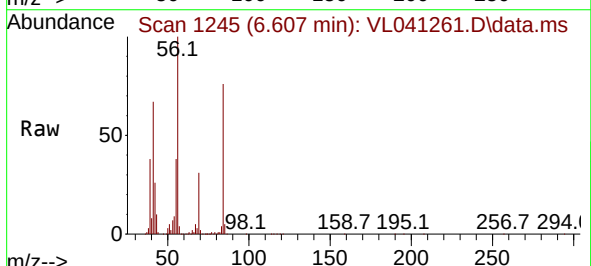
Tgt Ion: 84 Resp: 784540

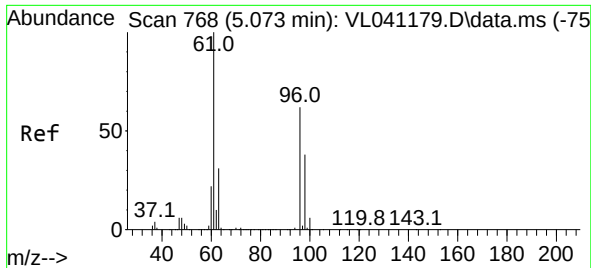
Ion Ratio Lower Upper

84 100

56 143.9 116.8 175.2

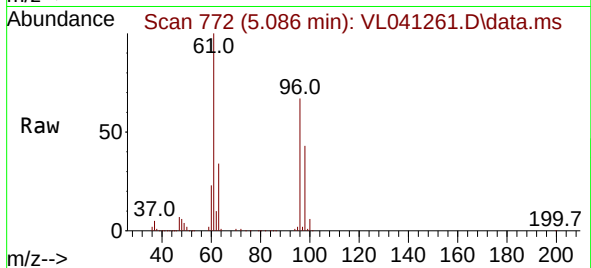
41 94.6 73.8 110.8





#31
 cis-1,2-Dichloroethene
 Concen: 10.797 ppbv
 RT: 5.086 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VL041261.D
 Acq: 21 May 2024 12:15

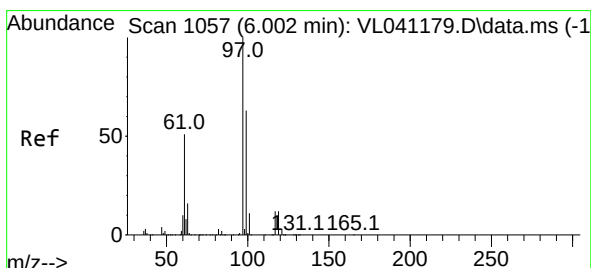
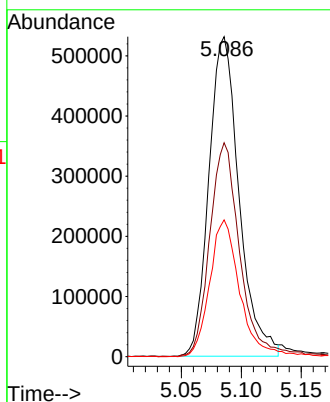
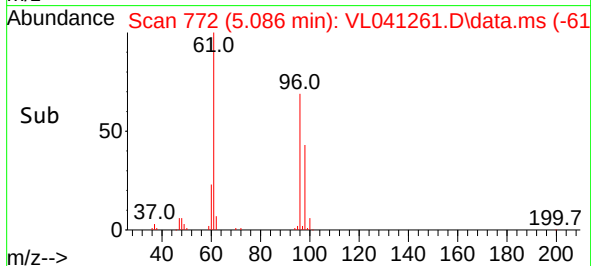
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0521ABS01



Tgt Ion: 61 Resp: 927852
 Ion Ratio Lower Upper
 61 100
 96 66.9 49.8 74.6
 98 42.8 30.0 45.0

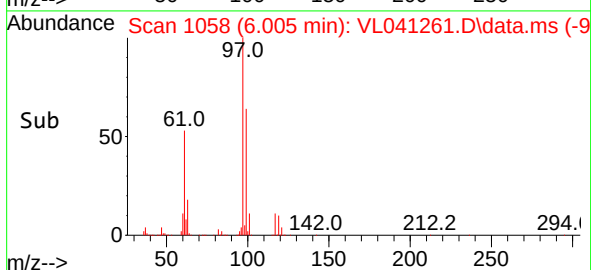
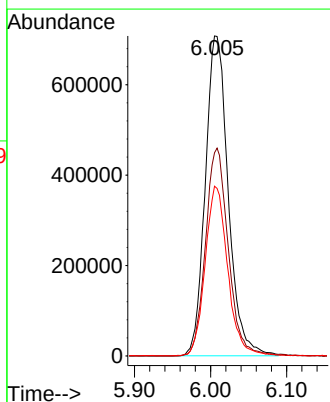
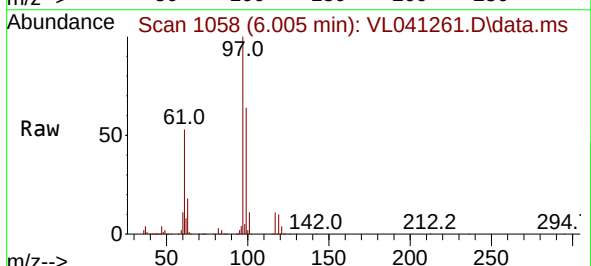
Manual Integrations
 APPROVED

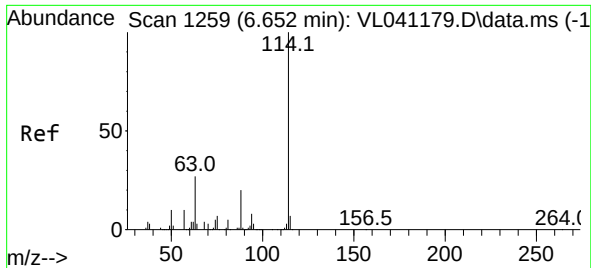
Reviewed By :Semsettin Yesilyurt 05/22/2024
 Supervised By :Mahesh Dadoda 05/22/2024



#32
 1,1,1-Trichloroethane
 Concen: 11.752 ppbv
 RT: 6.005 min Scan# 1058
 Delta R.T. -0.000 min
 Lab File: VL041261.D
 Acq: 21 May 2024 12:15

Tgt Ion: 97 Resp: 1484968
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.7 77.5
 61 52.7 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041261.D

Acq: 21 May 2024 12:15

Instrument :

MSVOA_L

ClientSampleId :

VL0521ABS01

Tgt Ion:114 Resp: 223252

Ion Ratio Lower Upper

114 100

63 25.9 21.8 32.6

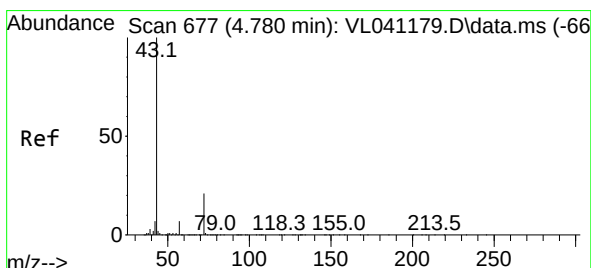
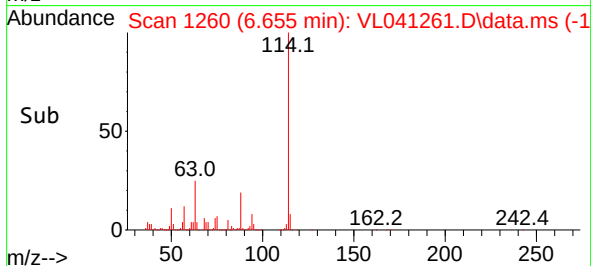
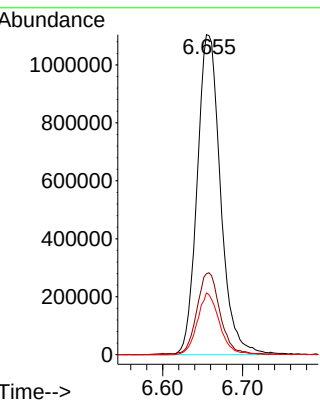
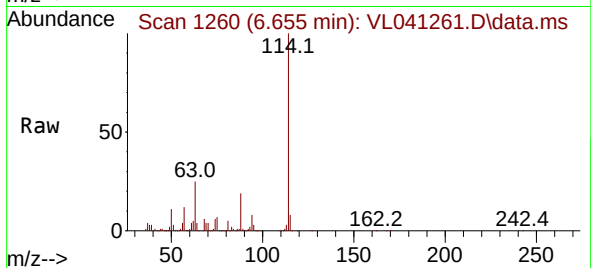
88 18.4 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2024

Supervised By :Mahesh Dadoda 05/22/2024



#34

2-Butanone

Concen: 10.193 ppbv

RT: 4.793 min Scan# 681

Delta R.T. -0.000 min

Lab File: VL041261.D

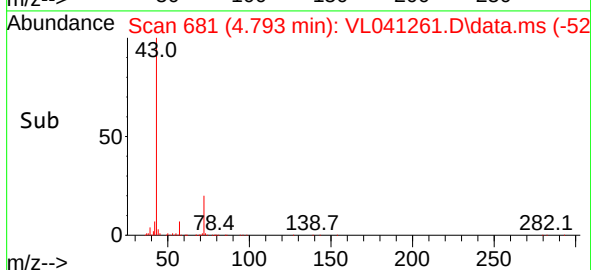
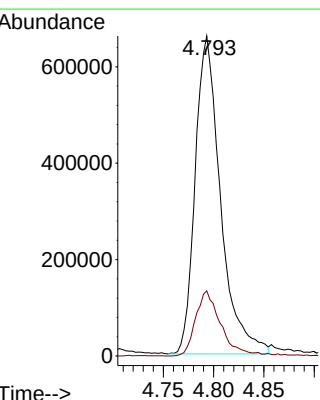
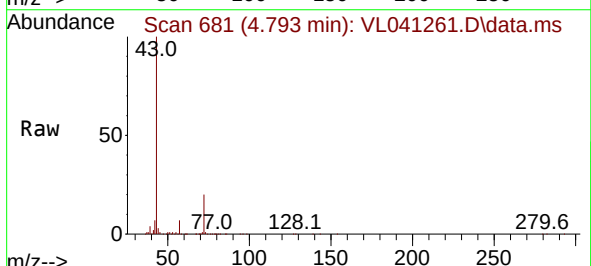
Acq: 21 May 2024 12:15

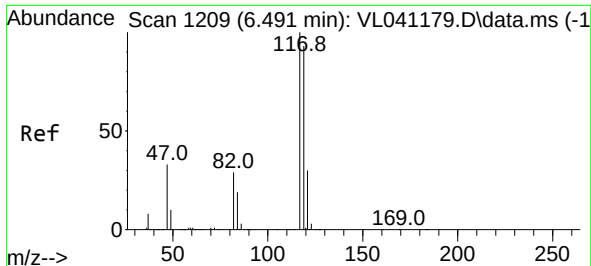
Tgt Ion: 43 Resp: 1158244

Ion Ratio Lower Upper

43 100

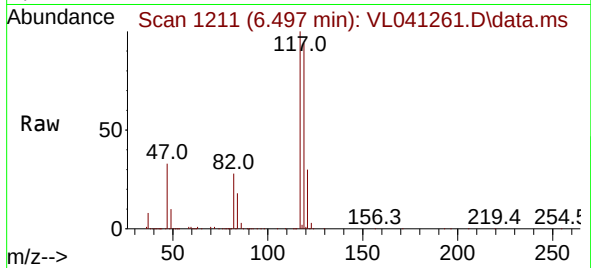
72 20.8 17.3 25.9





#35
Carbon Tetrachloride
Concen: 12.146 ppbv
RT: 6.497 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

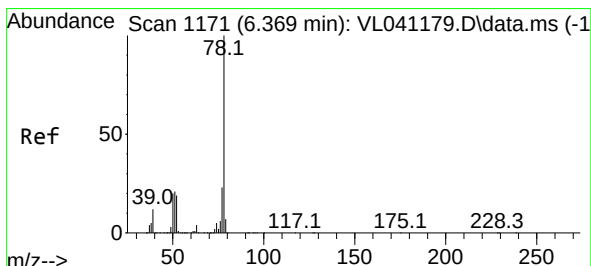
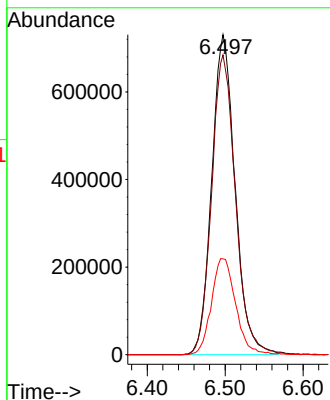
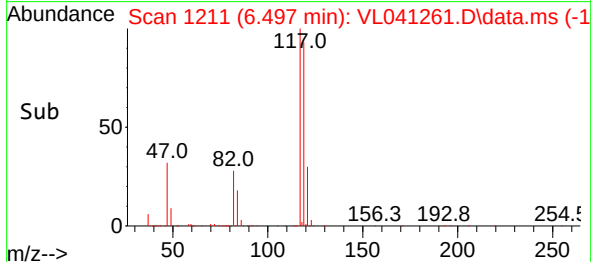
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



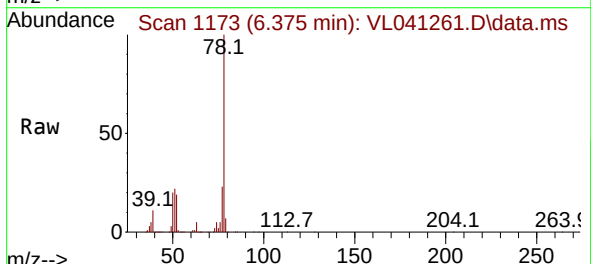
Tgt Ion: 117 Resp: 152174
Ion Ratio Lower Upper
117 100
119 93.7 74.3 111.5
121 30.0 23.8 35.8

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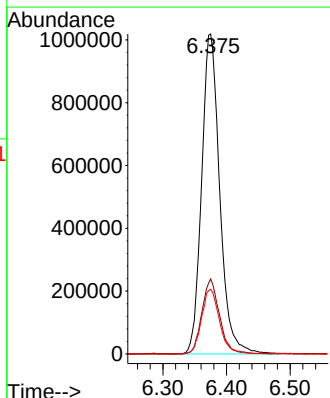
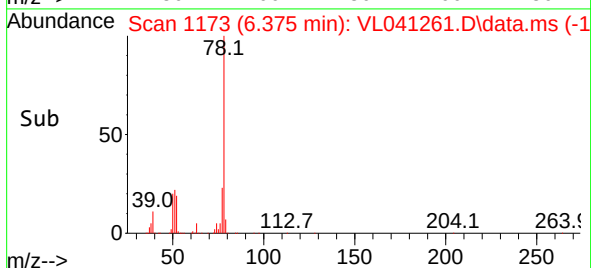
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024

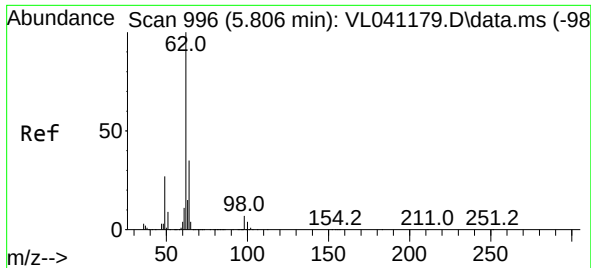


#36
Benzene
Concen: 10.764 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15



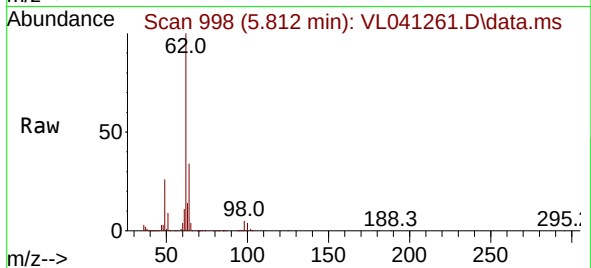
Tgt Ion: 78 Resp: 2016598
Ion Ratio Lower Upper
78 100
77 23.4 18.3 27.5
50 20.2 15.9 23.9





#37
1,2-Dichloroethane
Concen: 11.945 ppbv
RT: 5.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

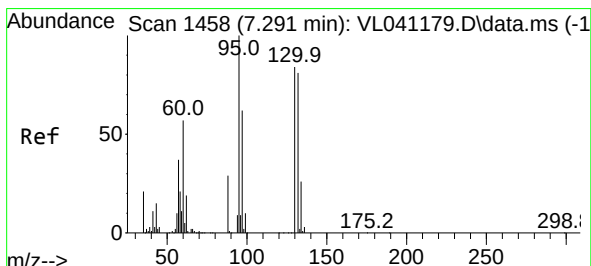
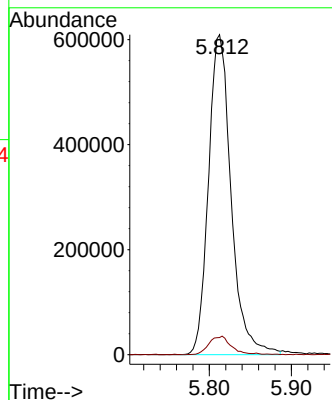
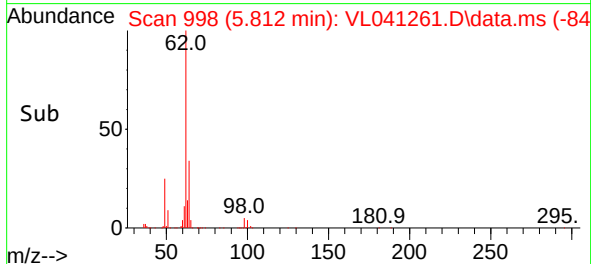
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



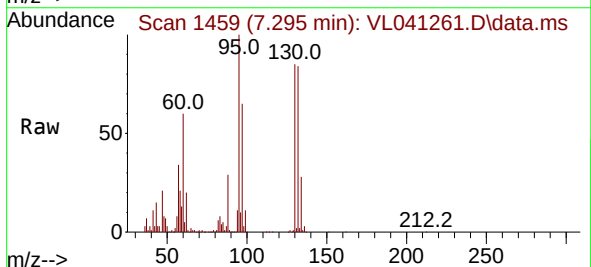
Tgt Ion: 62 Resp: 1167634
Ion Ratio Lower Upper
62 100
98 5.7 5.0 7.4

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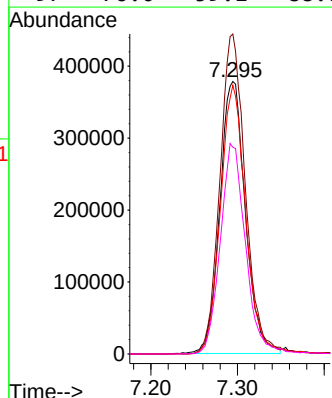
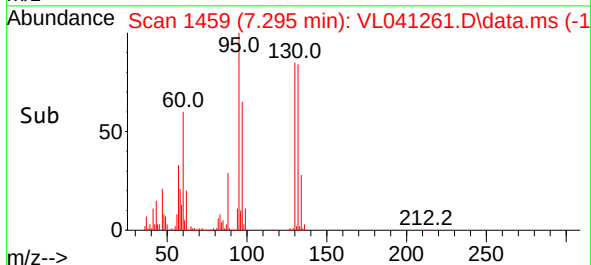
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024

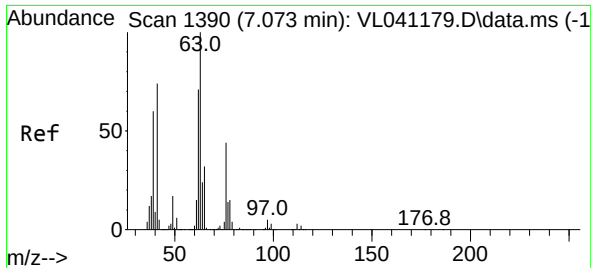


#38
Trichloroethene
Concen: 11.087 ppbv
RT: 7.295 min Scan# 1459
Delta R.T. 0.003 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15



Tgt Ion:130 Resp: 774055
Ion Ratio Lower Upper
130 100
95 117.6 95.0 142.6
132 98.8 77.0 115.4
97 76.0 59.1 88.7





#39

1,2-Dichloropropane

Concen: 10.715 ppbv

RT: 7.076 min Scan# 1390

Delta R.T. -0.000 min

Lab File: VL041261.D

Acq: 21 May 2024 12:15

Instrument :

MSVOA_L

ClientSampleId :

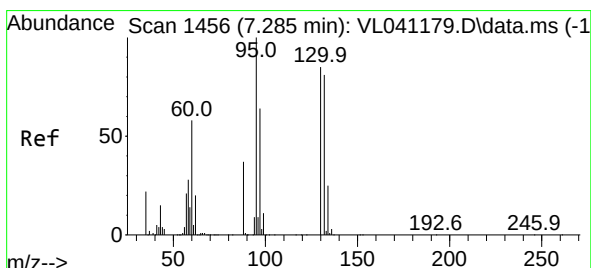
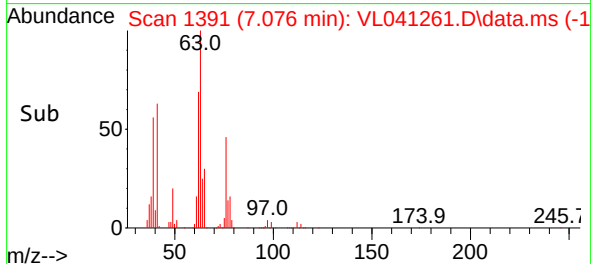
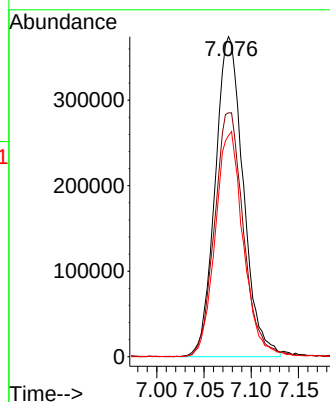
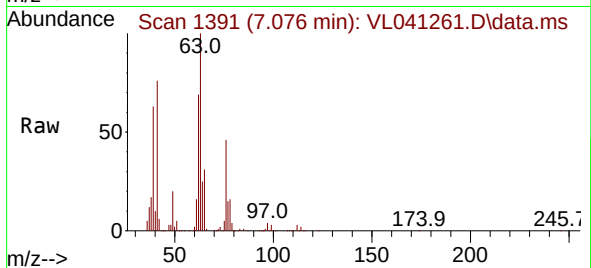
VL0521ABS01

Tgt Ion: 63 Resp: 773639
 Ion Ratio Lower Upper
 63 100
 41 76.2 59.4 89.0
 62 69.0 56.8 85.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/22/2024
 Supervised By :Mahesh Dadoda 05/22/2024



#40

1,4-Dioxane

Concen: 11.995 ppbv

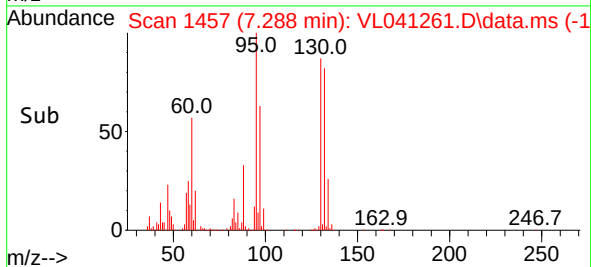
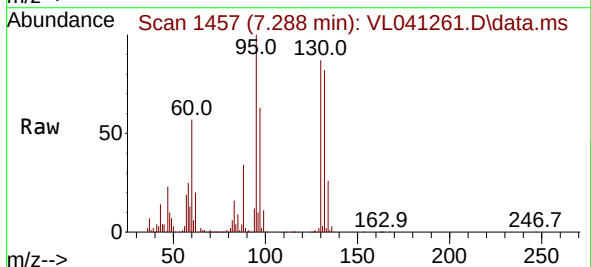
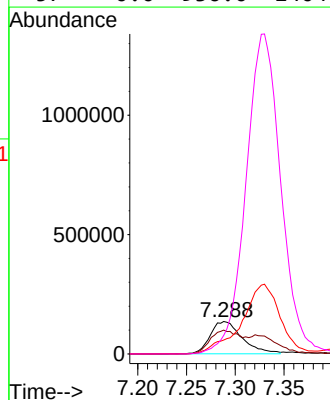
RT: 7.288 min Scan# 1457

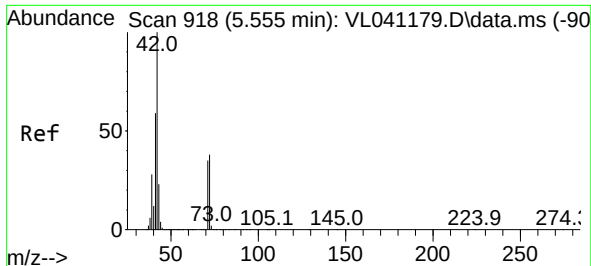
Delta R.T. -0.000 min

Lab File: VL041261.D

Acq: 21 May 2024 12:15

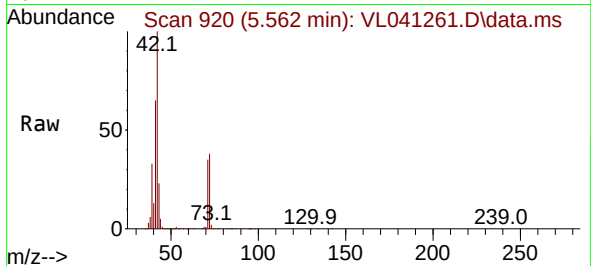
Tgt Ion: 88 Resp: 309399
 Ion Ratio Lower Upper
 88 100
 58 125.9 106.1 159.1
 43 0.0 219.8 329.6#
 57 0.0 936.0 1404.0#





#41
Tetrahydrofuran
Concen: 10.128 ppbv
RT: 5.562 min Scan# 918
Delta R.T. 0.003 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

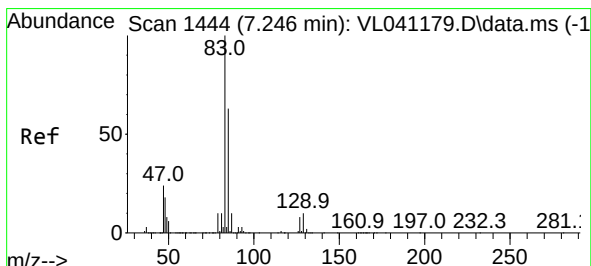
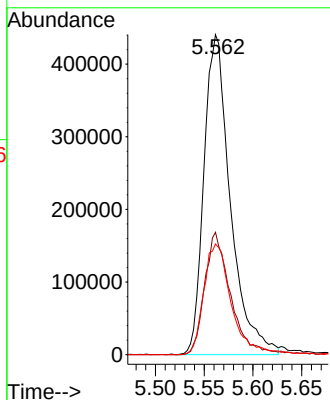
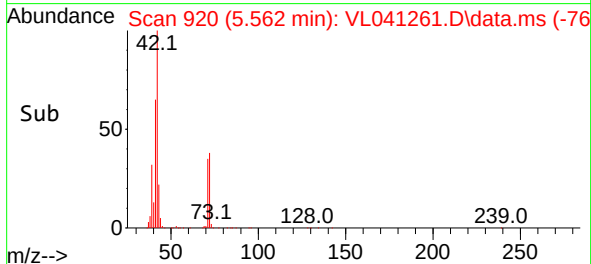
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



Tgt Ion: 42 Resp: 833112
Ion Ratio Lower Upper
42 100
72 38.2 29.4 44.0
71 36.5 29.1 43.7

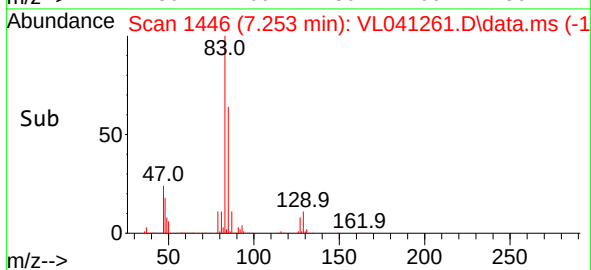
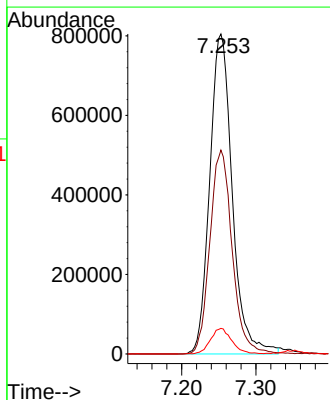
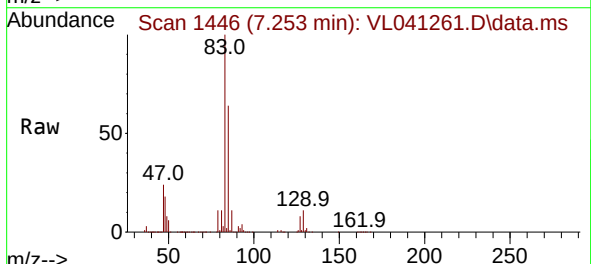
Manual Integrations
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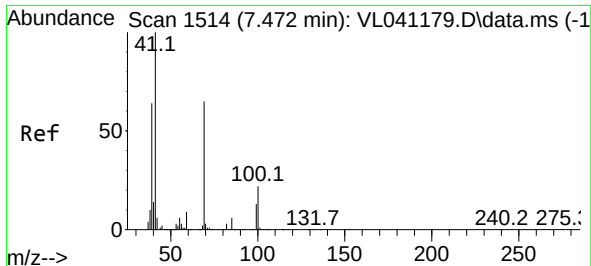
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#42
Bromodichloromethane
Concen: 12.099 ppbv
RT: 7.253 min Scan# 1446
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

Tgt Ion: 83 Resp: 1696200
Ion Ratio Lower Upper
83 100
85 63.7 50.6 75.8
127 8.0 6.2 9.4





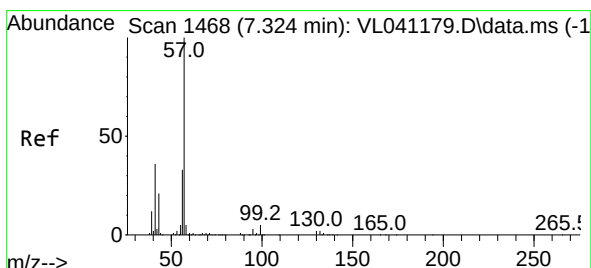
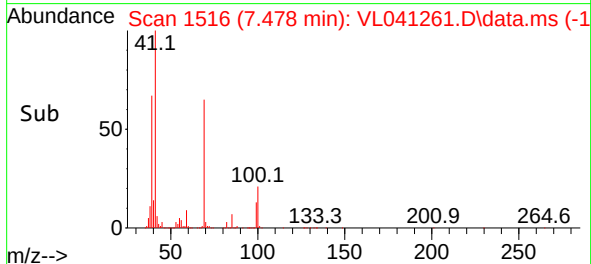
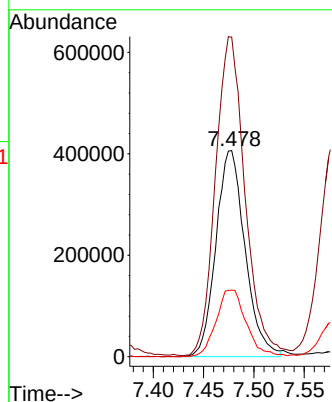
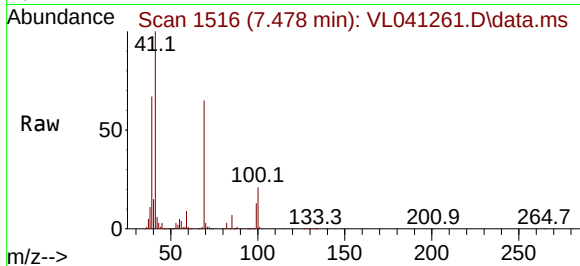
#43
Methyl Methacrylate
Concen: 10.801 ppbv
RT: 7.478 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01

Tgt Ion: 69 Resp: 818480
Ion Ratio Lower Upper
69 100
41 157.4 125.2 187.8
100 33.4 26.7 40.1

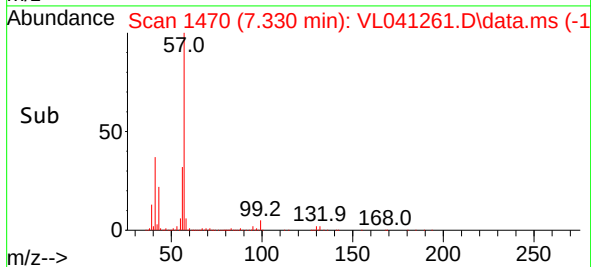
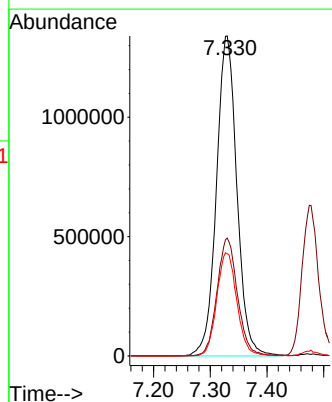
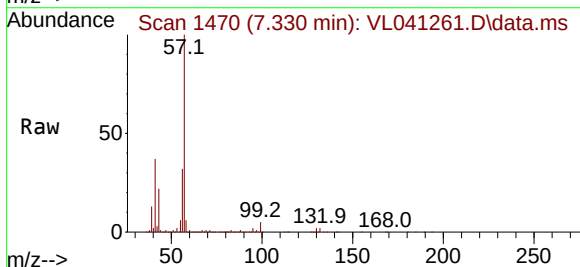
Manual Integrations
APPROVED

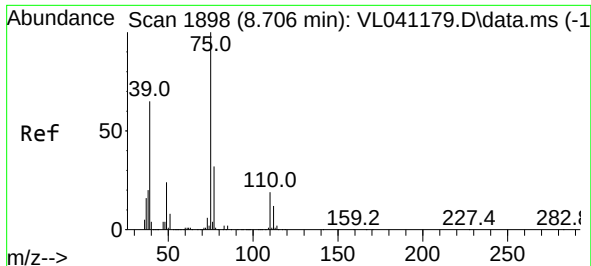
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#44
2,2,4-Trimethylpentane
Concen: 10.406 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. 0.003 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

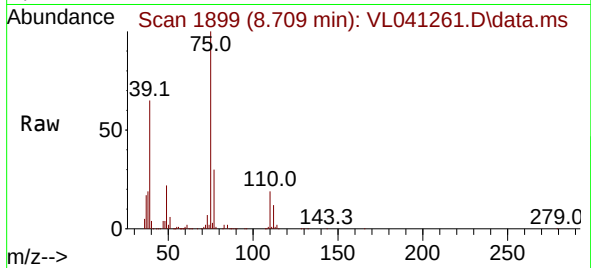
Tgt Ion: 57 Resp: 3361366
Ion Ratio Lower Upper
57 100
41 36.7 29.5 44.3
56 31.7 25.3 37.9





#45
t-1,3-Dichloropropene
Concen: 12.073 ppbv
RT: 8.709 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

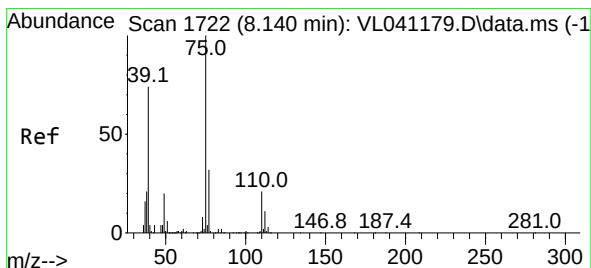
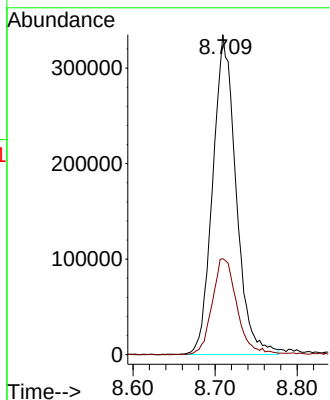
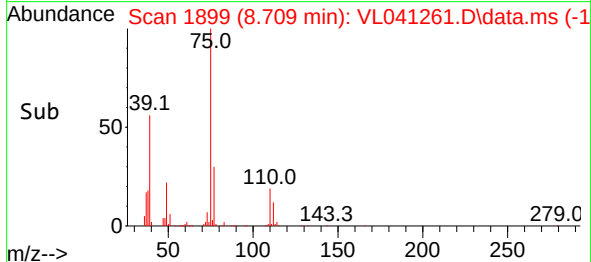
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



Tgt Ion: 75 Resp: 662949
Ion Ratio Lower Upper
75 100
77 30.0 25.6 38.4

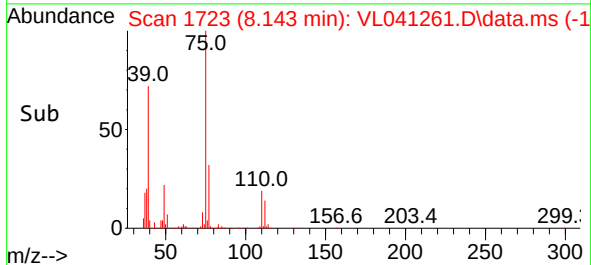
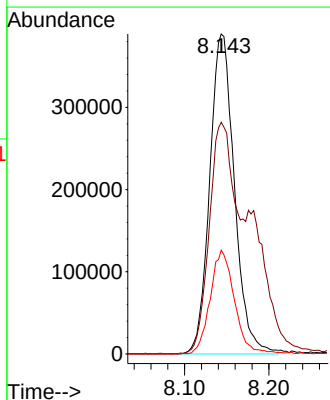
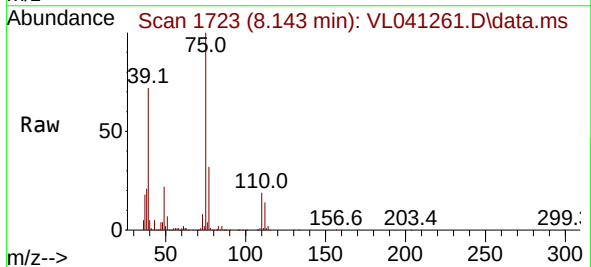
Manual Integrations
APPROVED

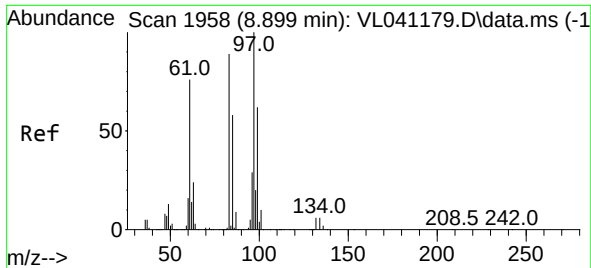
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#46
cis-1,3-Dichloropropene
Concen: 11.770 ppbv
RT: 8.143 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

Tgt Ion: 75 Resp: 791224
Ion Ratio Lower Upper
75 100
39 72.3 59.4 89.2
77 32.4 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 11.497 ppbv

RT: 8.899 min Scan# 1958

Delta R.T. -0.000 min

Lab File: VL041261.D

Acq: 21 May 2024 12:15

Instrument :

MSVOA_L

ClientSampleId :

VL0521ABS01

Tgt Ion: 97 Resp: 83084

Ion Ratio Lower Upper

97 100

83 89.5 71.2 106.8

85 56.1 46.0 69.0

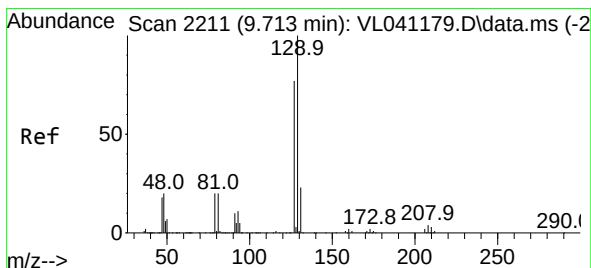
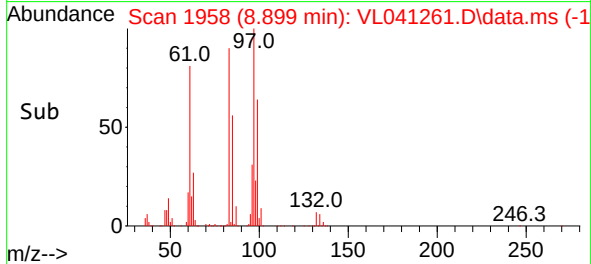
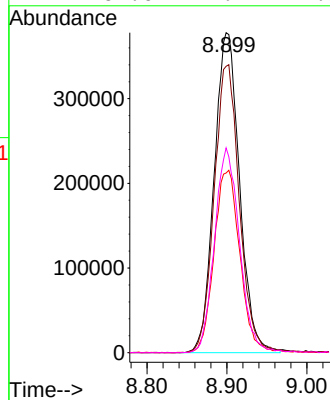
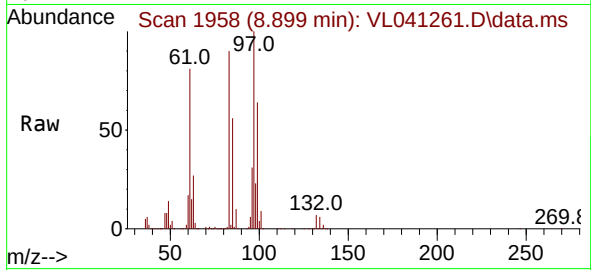
99 64.0 49.7 74.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2024

Supervised By :Mahesh Dadoda 05/22/2024



#48

Dibromochloromethane

Concen: 12.307 ppbv

RT: 9.709 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VL041261.D

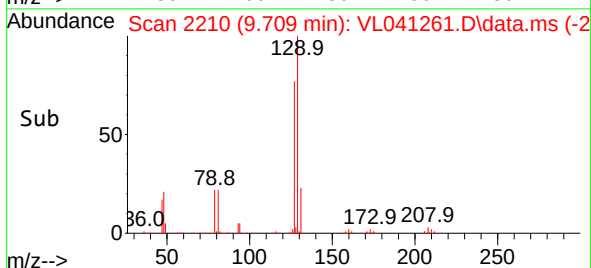
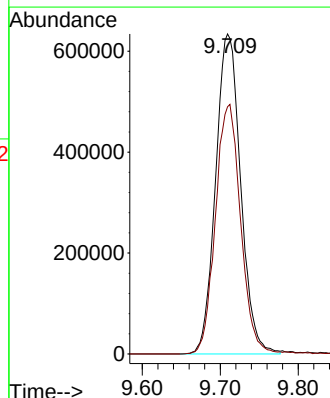
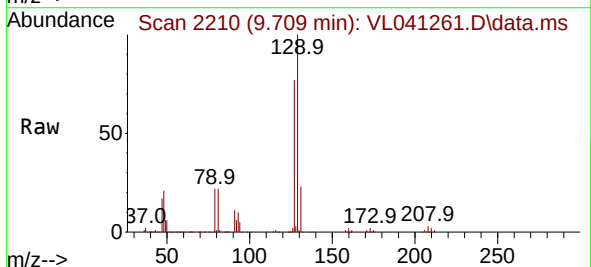
Acq: 21 May 2024 12:15

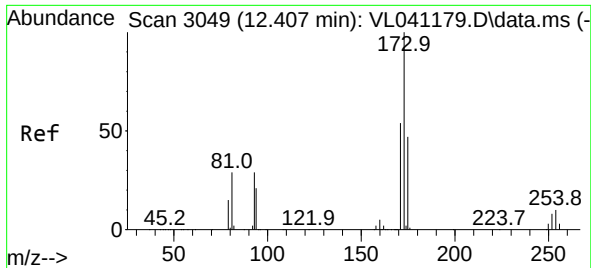
Tgt Ion:129 Resp: 1417102

Ion Ratio Lower Upper

129 100

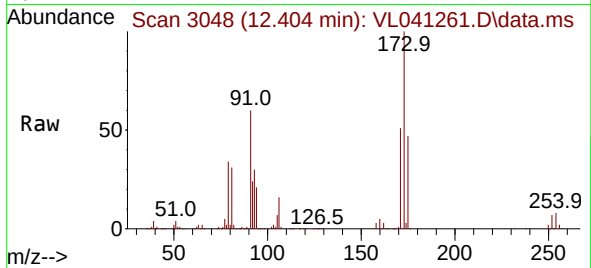
127 78.9 39.1 117.5





#49
Bromoform
Concen: 12.081 ppbv
RT: 12.404 min Scan# 3049
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

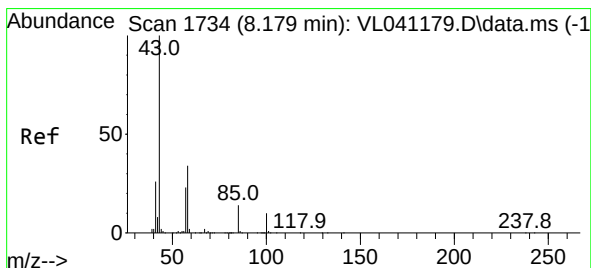
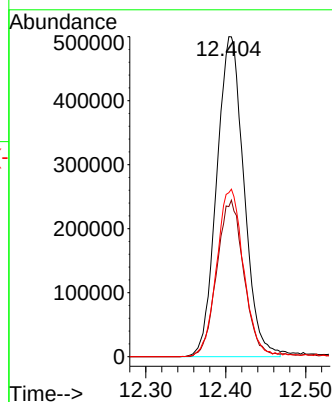
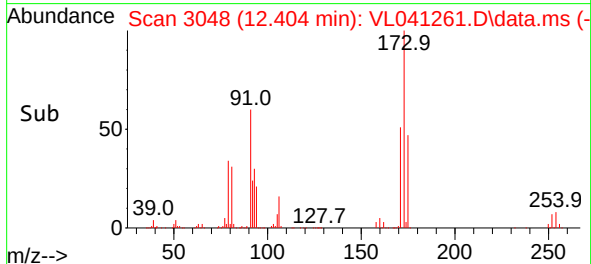
Instrument : MSVOA_L
ClientSampleId : VL0521ABS01



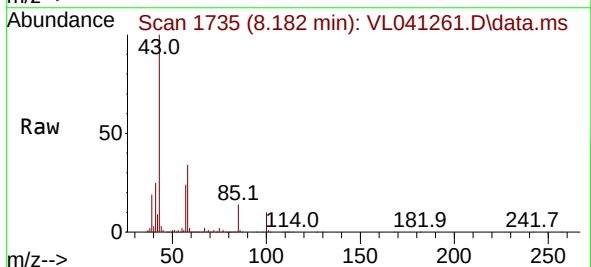
Tgt Ion:173 Resp: 118343
Ion Ratio Lower Upper
173 100
175 49.4 39.8 59.8
171 52.8 41.8 62.8

Manual Integrations
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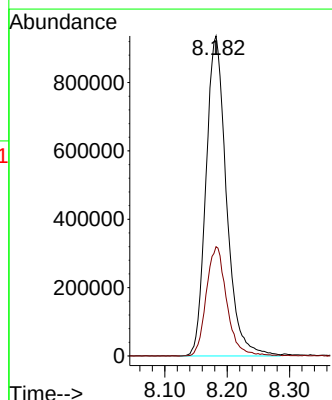
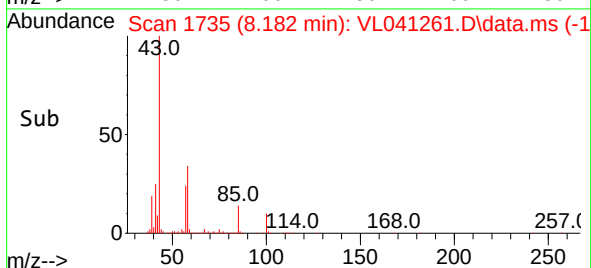
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024

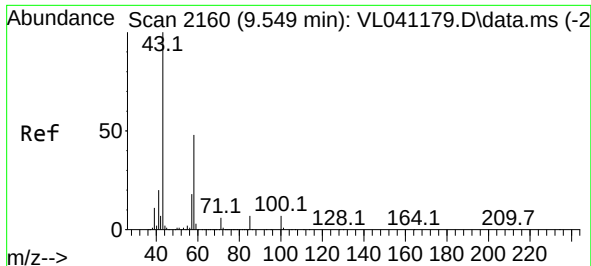


#50
4-Methyl-2-Pentanone
Concen: 10.458 ppbv
RT: 8.182 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15



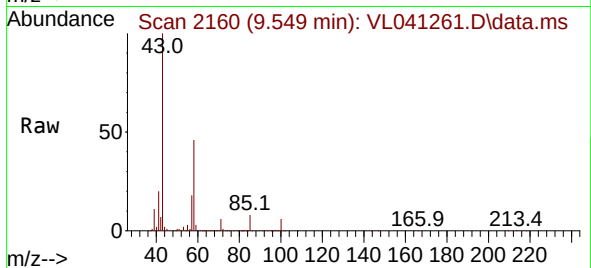
Tgt Ion: 43 Resp: 2132553
Ion Ratio Lower Upper
43 100
58 34.3 27.7 41.5





#51
2-Hexanone
Concen: 10.155 ppbv
RT: 9.549 min Scan# 2160
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

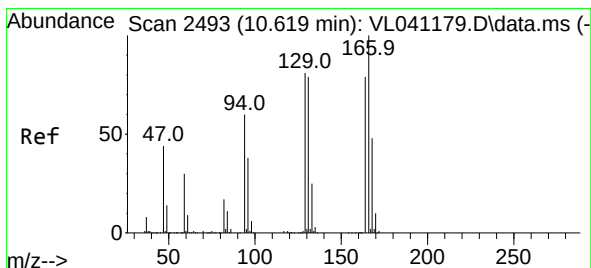
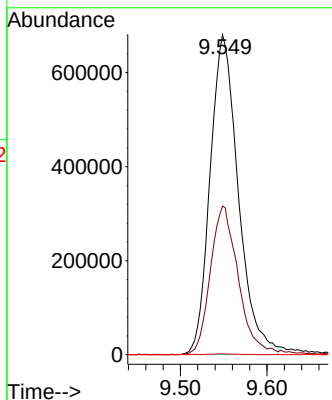
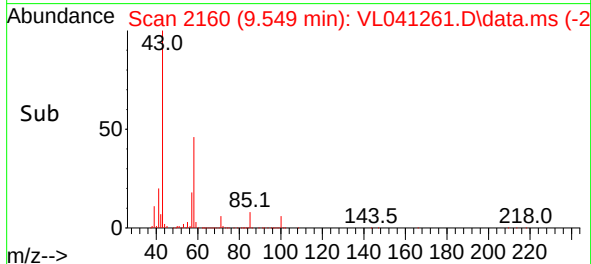
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



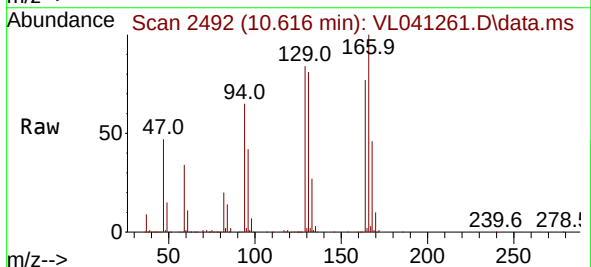
Tgt Ion: 43 Resp: 153598
Ion Ratio Lower Upper
43 100
58 46.8 38.4 57.6
98 0.3 0.0 0.0

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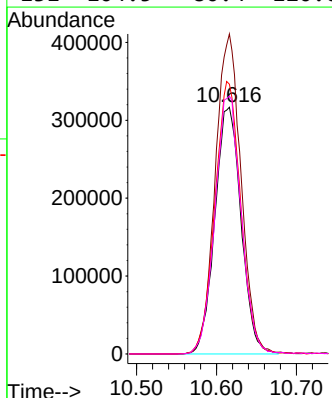
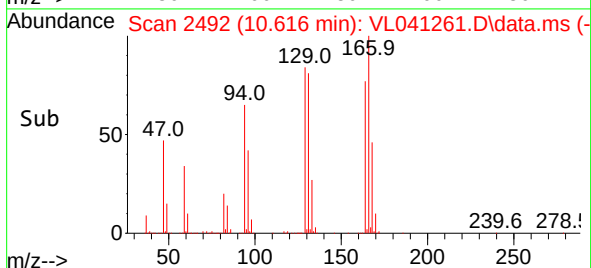
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024

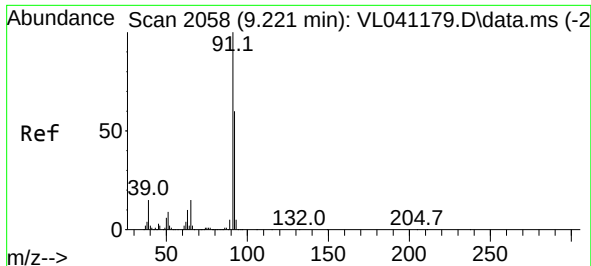


#52
Tetrachloroethene
Concen: 10.919 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15



Tgt Ion:164 Resp: 719037
Ion Ratio Lower Upper
164 100
166 129.7 101.1 151.7
129 109.2 81.7 122.5
131 104.5 80.4 120.6





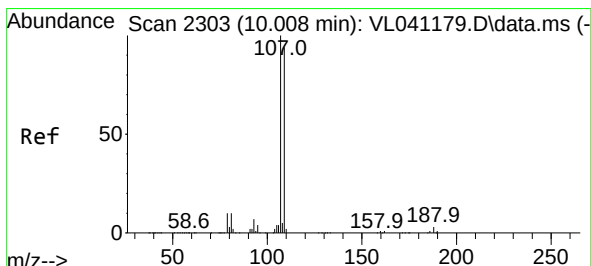
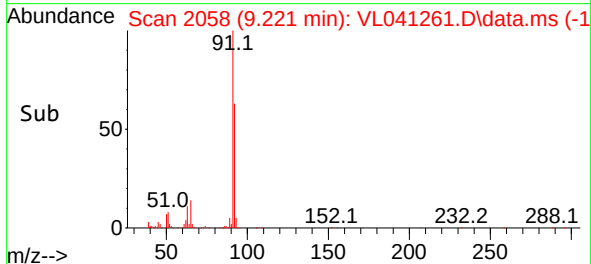
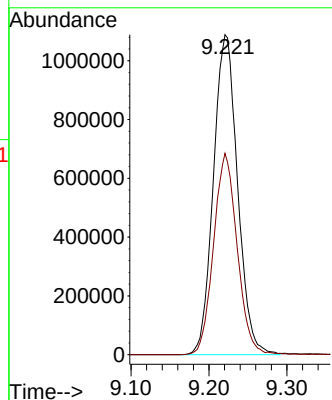
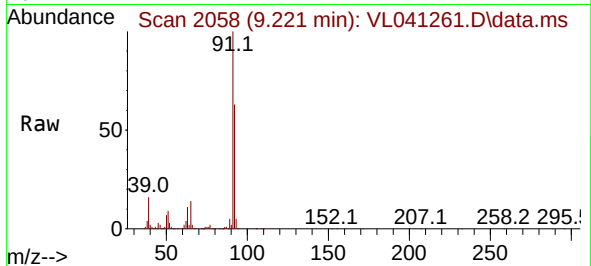
#53
Toluene
Concen: 10.797 ppbv
RT: 9.221 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01

Tgt Ion: 91 Resp: 234556
Ion Ratio Lower Upper
91 100
92 61.7 48.2 72.4

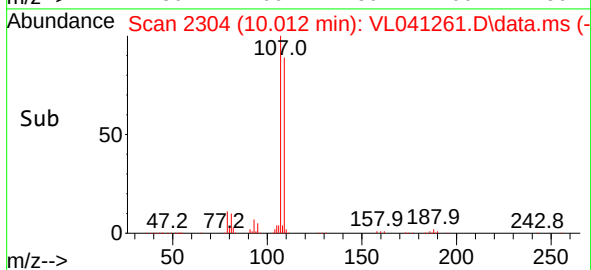
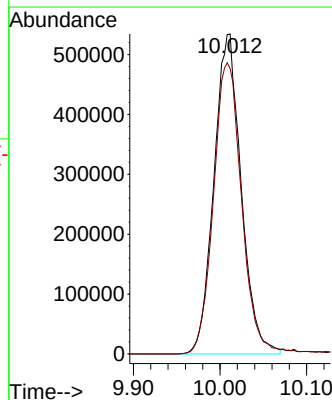
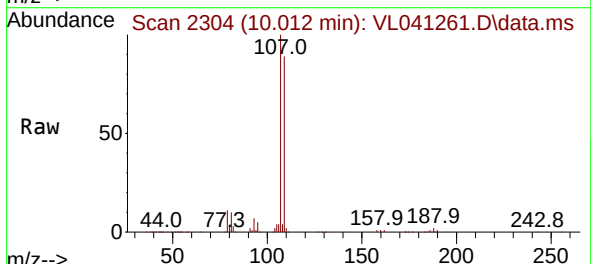
Manual Integrations
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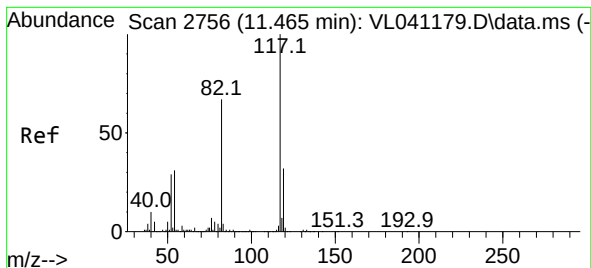
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#54
1,2-Dibromoethane
Concen: 11.922 ppbv
RT: 10.012 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

Tgt Ion:107 Resp: 1167017
Ion Ratio Lower Upper
107 100
109 89.2 75.2 112.8





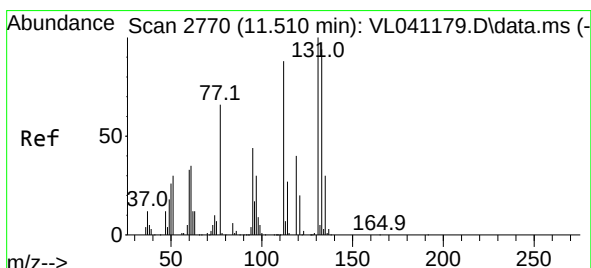
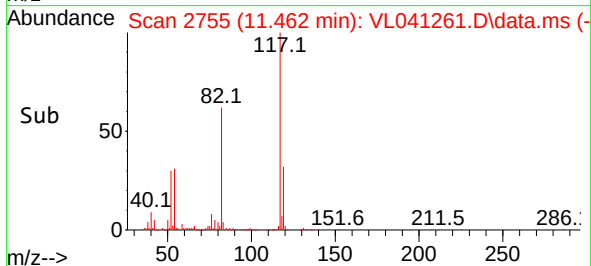
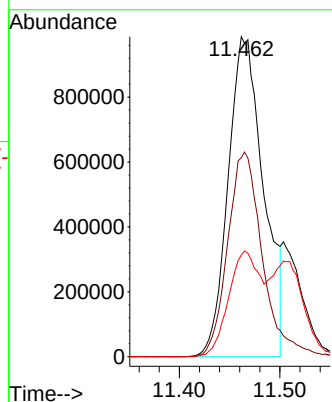
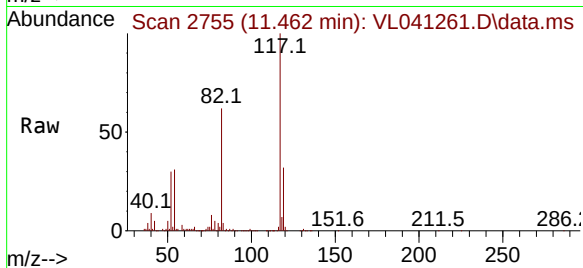
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01

Tgt Ion:117 Resp: 241786
Ion Ratio Lower Upper
117 100
82 63.5 53.6 80.4
119 32.9 27.2 40.8

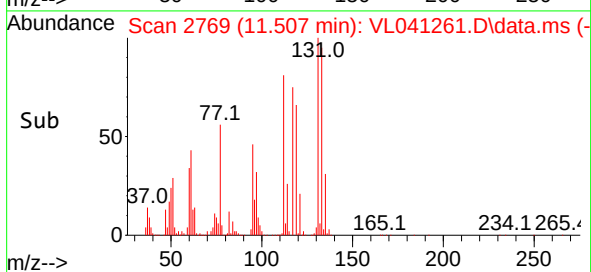
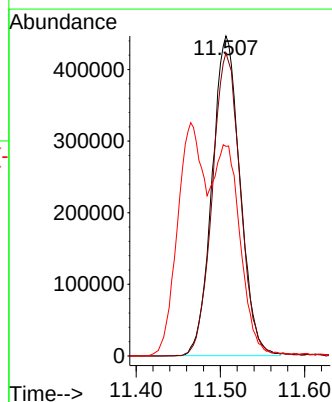
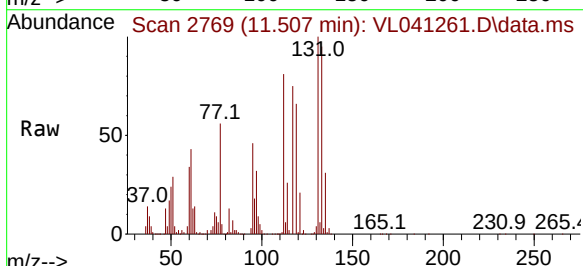
Manual Integrations
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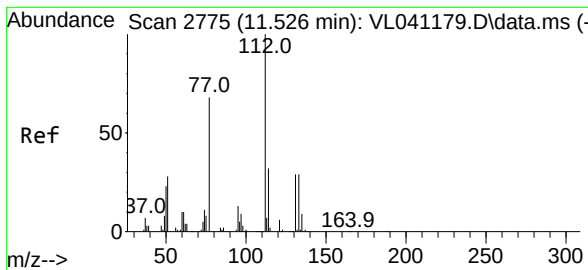
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#56
1,1,1,2-Tetrachloroethane
Concen: 10.474 ppbv
RT: 11.507 min Scan# 2769
Delta R.T. 0.003 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

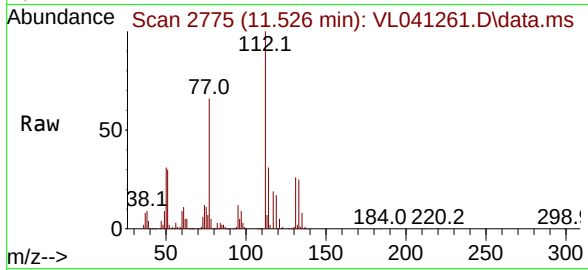
Tgt Ion:131 Resp: 1026918
Ion Ratio Lower Upper
131 100
133 95.8 76.3 114.5
119 67.4 49.4 74.2





#57
Chlorobenzene
Concen: 9.918 ppbv
RT: 11.526 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

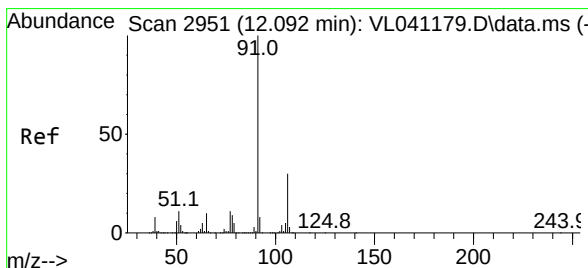
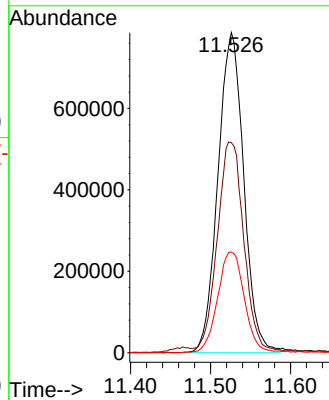
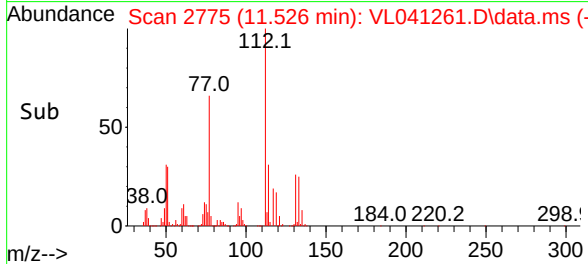
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



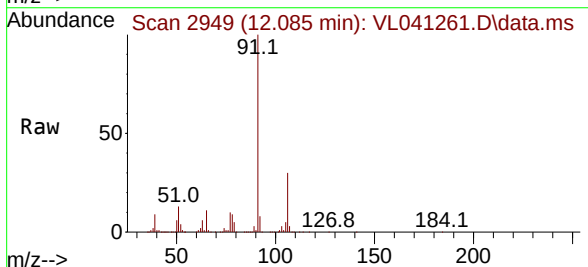
Tgt Ion: 112 Resp: 175625
Ion Ratio Lower Upper
112 100
77 64.7 54.9 82.3
114 31.5 28.7 35.1

Manual Integrations
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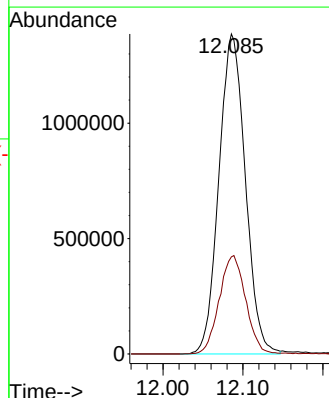
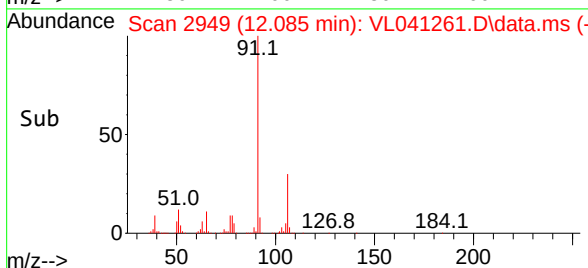
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024

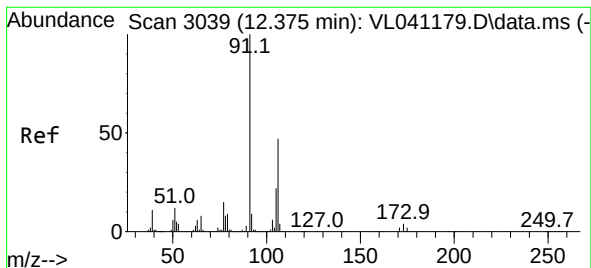


#58
Ethyl Benzene
Concen: 9.581 ppbv
RT: 12.085 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15



Tgt Ion: 91 Resp: 3176468
Ion Ratio Lower Upper
91 100
106 30.3 24.3 36.5





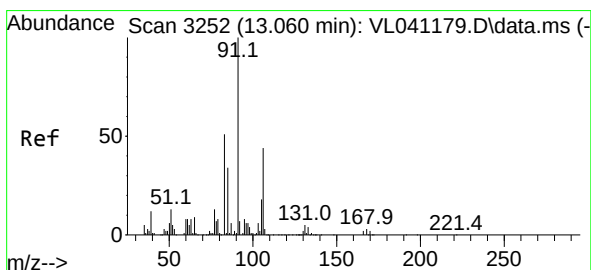
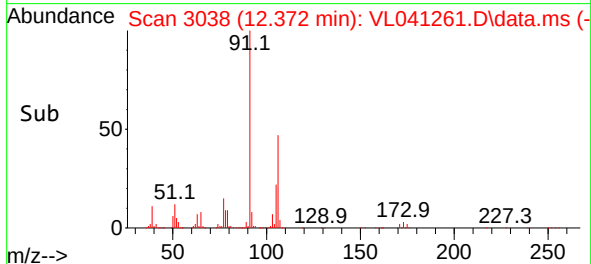
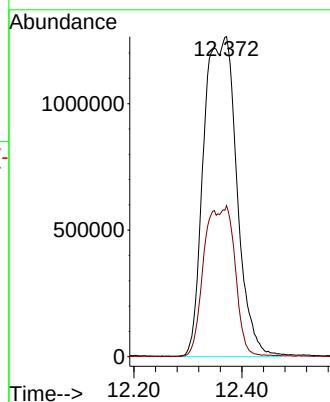
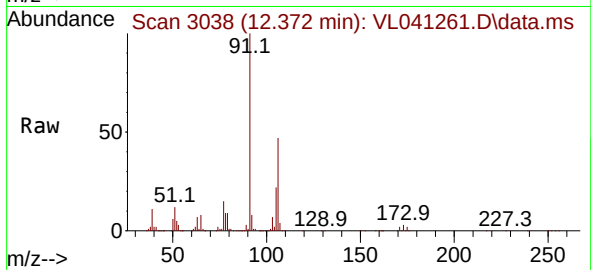
#59
m/p-Xylene
Concen: 19.302 ppbv m
RT: 12.372 min Scan# 3039
Delta R.T. 0.006 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01

Tgt Ion: 91 Resp: 537832
Ion Ratio Lower Upper
91 100
106 44.2 35.7 53.5

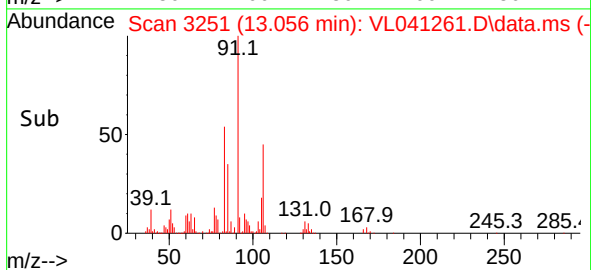
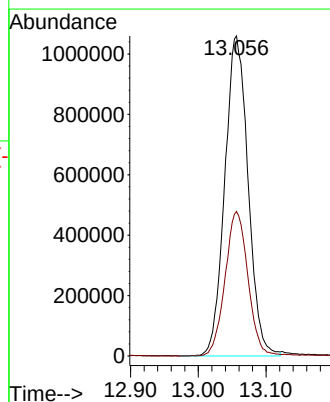
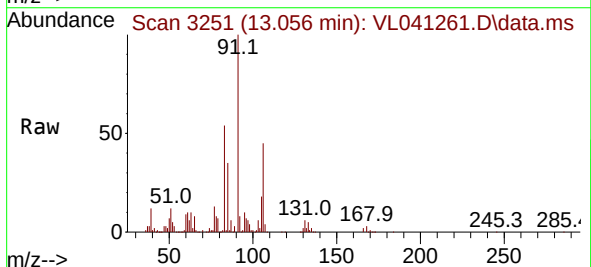
Manual Integrations
APPROVED

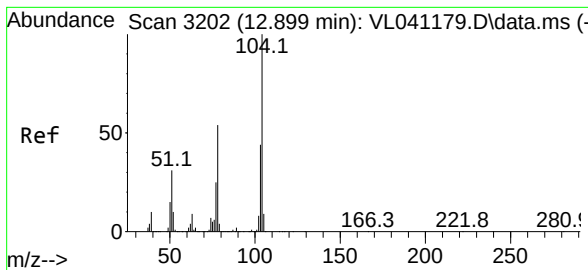
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#60
o-Xylene
Concen: 9.695 ppbv
RT: 13.056 min Scan# 3251
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

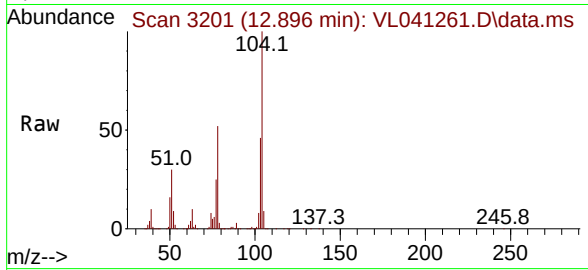
Tgt Ion: 91 Resp: 2532201
Ion Ratio Lower Upper
91 100
106 44.9 22.4 67.3





#61
Styrene
Concen: 9.966 ppbv
RT: 12.896 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

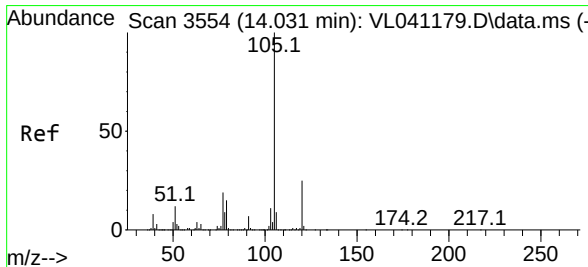
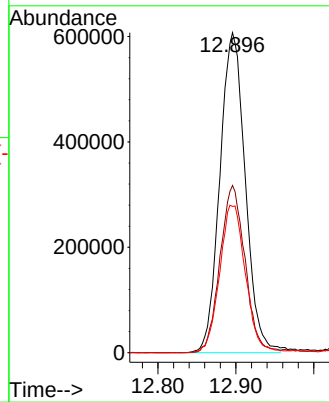
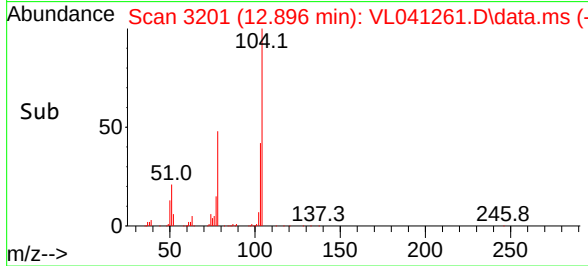
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



Tgt Ion:104 Resp: 1375140
Ion Ratio Lower Upper
104 100
78 52.2 42.6 63.8
103 47.4 38.4 57.6

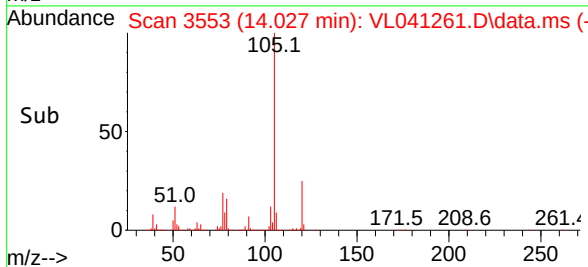
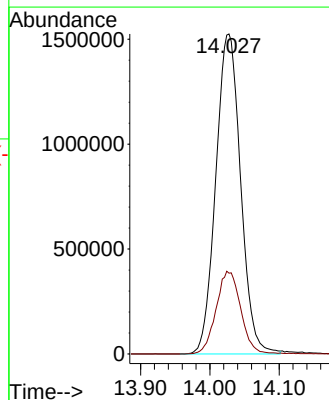
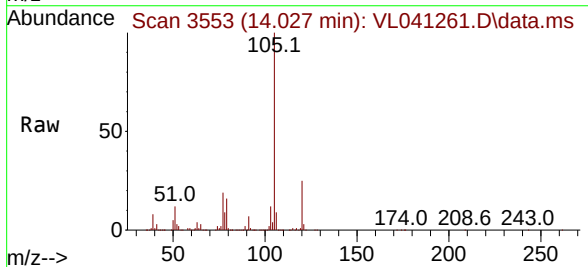
Manual Integrations
APPROVED

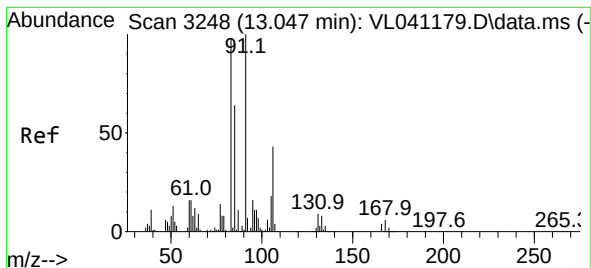
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#62
Isopropylbenzene
Concen: 9.722 ppbv
RT: 14.027 min Scan# 3553
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

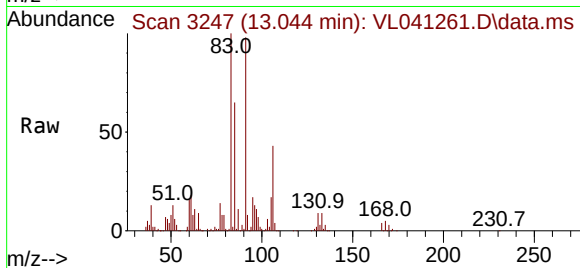
Tgt Ion:105 Resp: 3798372
Ion Ratio Lower Upper
105 100
120 25.8 20.2 30.2





#63
1,1,2,2-Tetrachloroethane
Concen: 10.032 ppbv
RT: 13.044 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

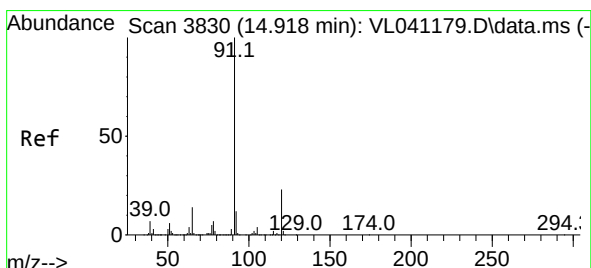
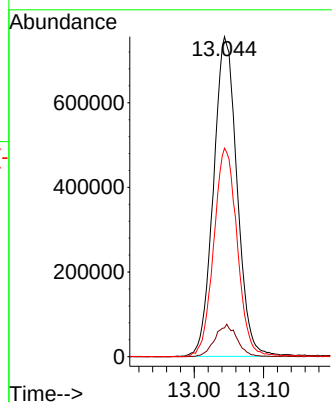
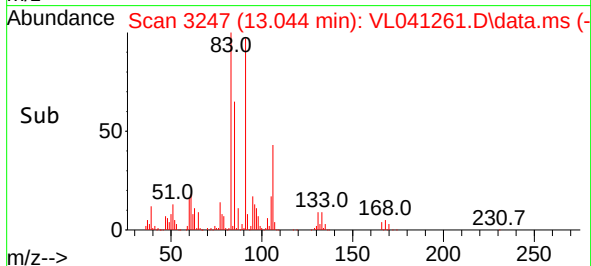
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



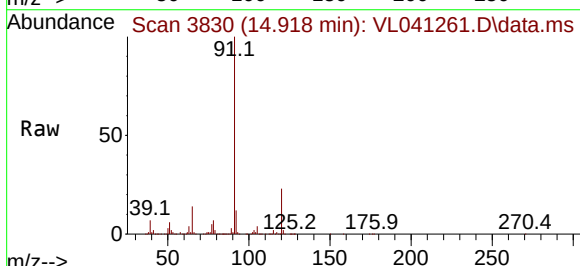
Tgt Ion: 83 Resp: 178607
Ion Ratio Lower Upper
83 100
131 9.6 4.5 13.5
85 65.3 32.7 98.1

Manual Integrations
APPROVED

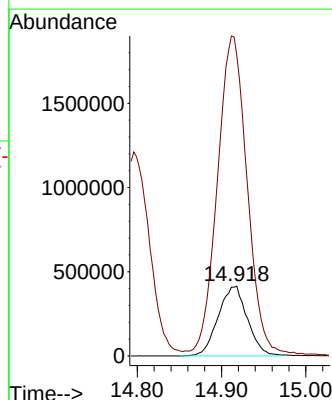
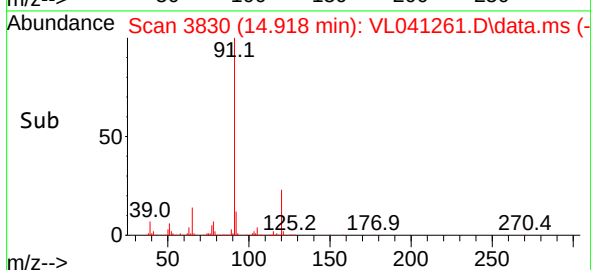
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024

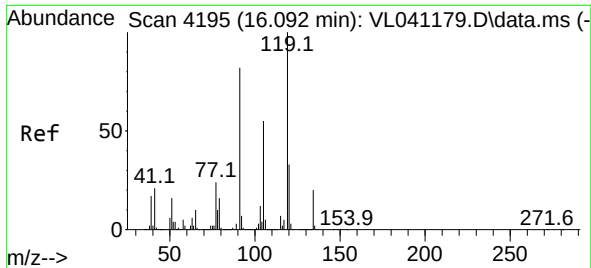


#64
n-propylbenzene
Concen: 10.212 ppbv
RT: 14.918 min Scan# 3830
Delta R.T. 0.006 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15



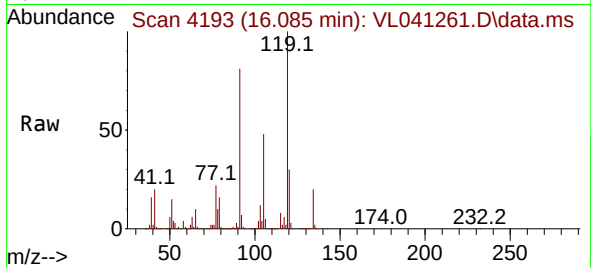
Tgt Ion:120 Resp: 995394
Ion Ratio Lower Upper
120 100
91 471.3 384.8 577.2





#65
tert-Butylbenzene
Concen: 9.490 ppbv
RT: 16.085 min Scan# 4195
Delta R.T. -0.003 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

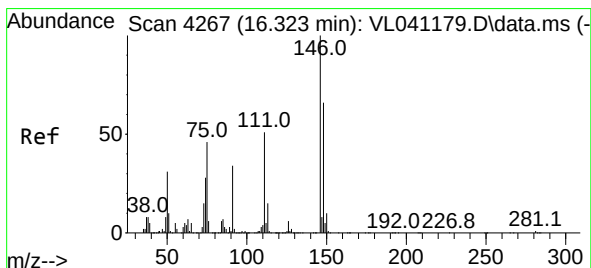
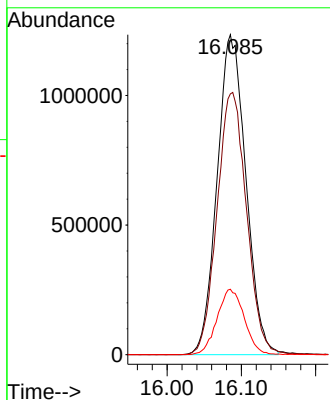
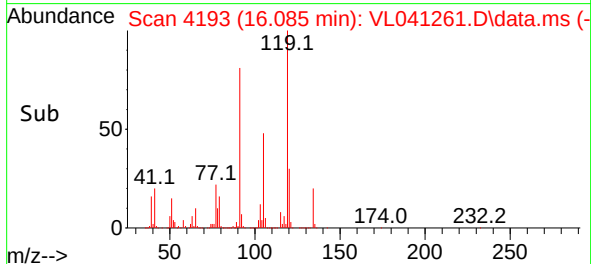
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



Tgt Ion: 119 Resp: 332060
Ion Ratio Lower Upper
119 100
91 84.1 67.0 100.4
134 19.5 15.2 22.8

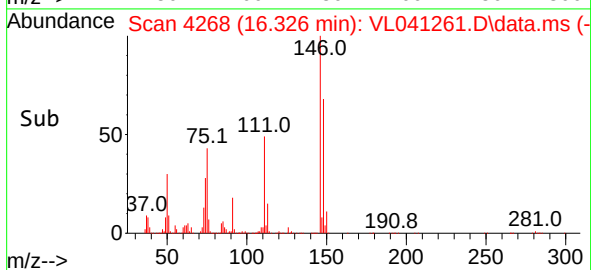
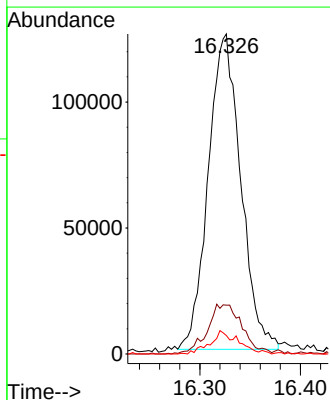
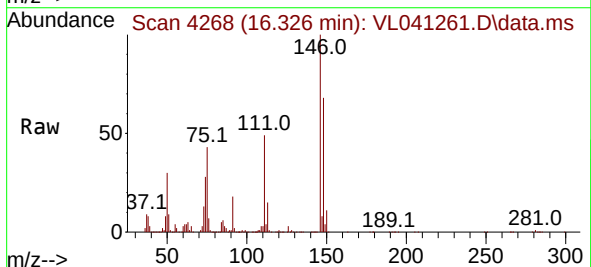
Manual Integrations
APPROVED

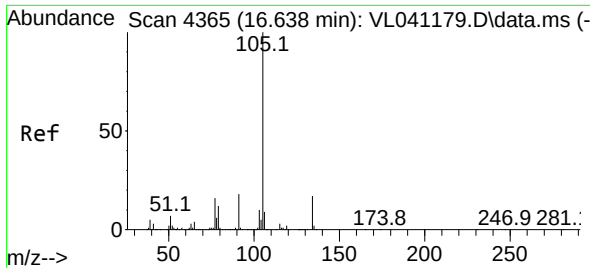
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#66
Benzyl Chloride
Concen: 7.104 ppbv
RT: 16.326 min Scan# 4268
Delta R.T. 0.006 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

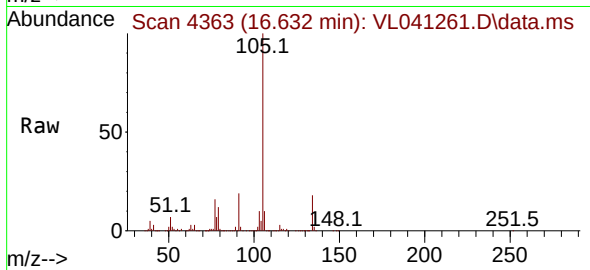
Tgt Ion: 91 Resp: 281376
Ion Ratio Lower Upper
91 100
126 17.1 14.6 21.8
128 6.5 4.7 7.1





#67
 sec-Butylbenzene
 Concen: 9.586 ppbv
 RT: 16.632 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041261.D
 Acq: 21 May 2024 12:15

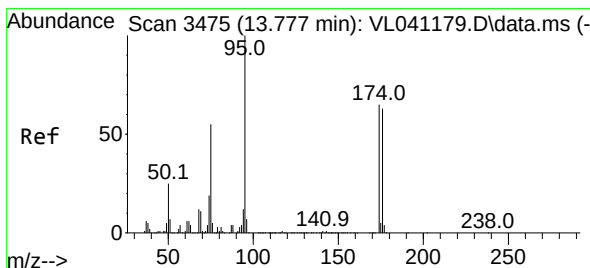
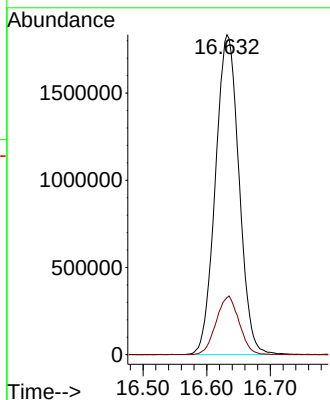
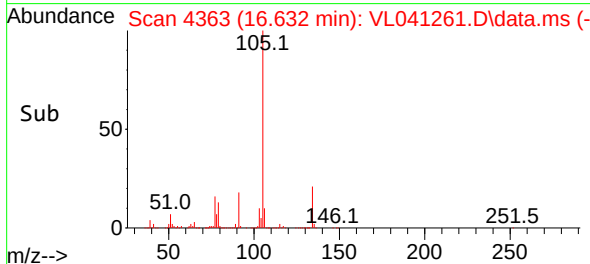
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0521ABS01



Tgt Ion:105 Resp: 4722079
 Ion Ratio Lower Upper
 105 100
 134 18.0 13.8 20.8

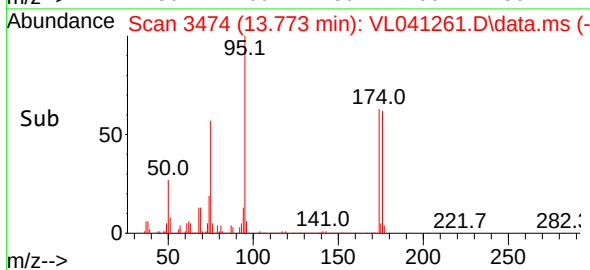
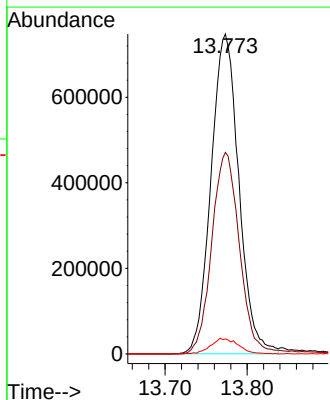
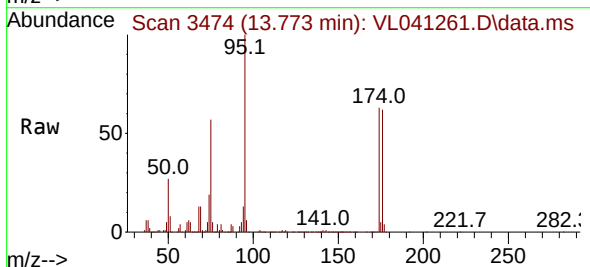
Manual Integrations
 APPROVED

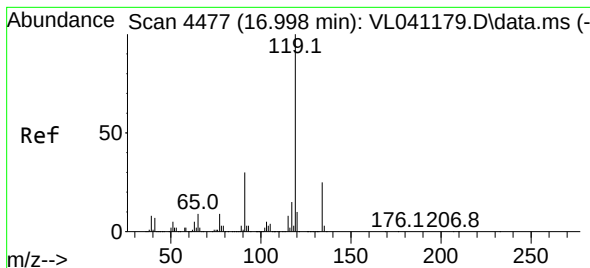
Reviewed By :Semsettin Yesilyurt 05/22/2024
 Supervised By :Mahesh Dadoda 05/22/2024



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.658 ppbv
 RT: 13.773 min Scan# 3474
 Delta R.T. -0.000 min
 Lab File: VL041261.D
 Acq: 21 May 2024 12:15

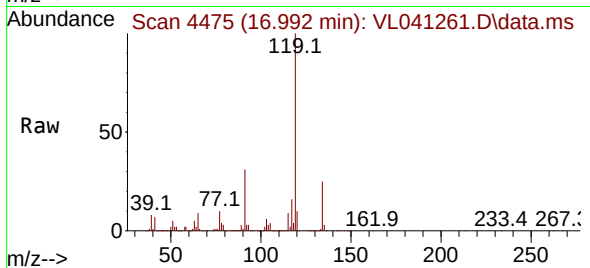
Tgt Ion: 95 Resp: 1762932
 Ion Ratio Lower Upper
 95 100
 174 63.9 53.6 80.4
 175 4.9 4.2 6.4





#69
p-Isopropyltoluene
Concen: 9.651 ppbv
RT: 16.992 min Scan# 4475
Delta R.T. 0.003 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

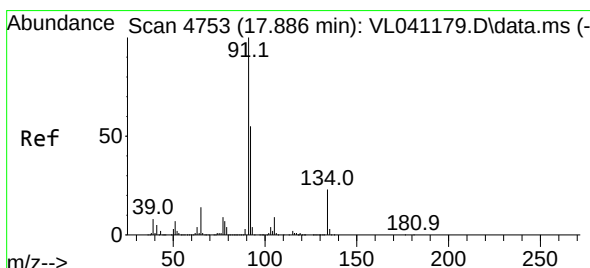
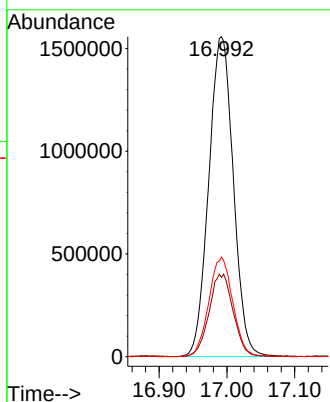
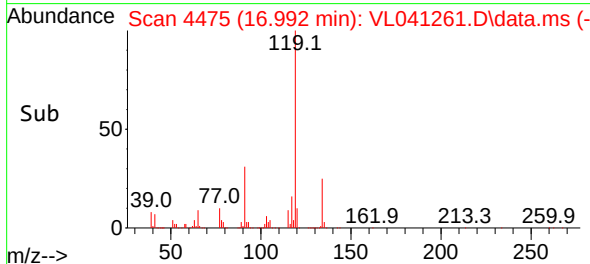
Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01



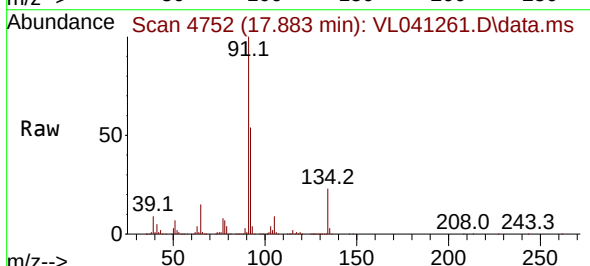
Tgt Ion:119 Resp: 3917549
Ion Ratio Lower Upper
119 100
134 25.5 20.1 30.1
91 30.4 24.2 36.2

Manual Integrations
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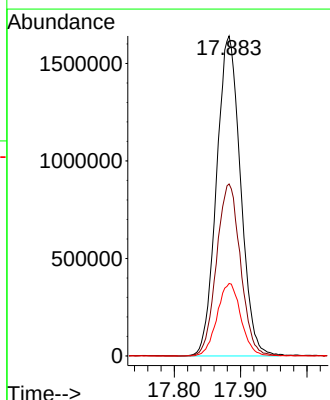
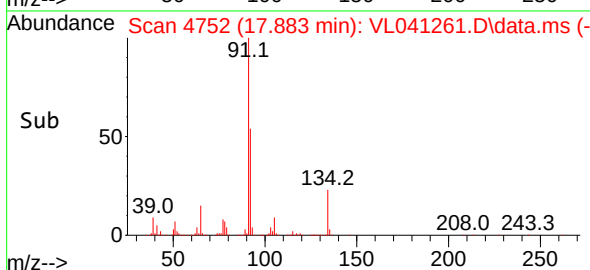
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024

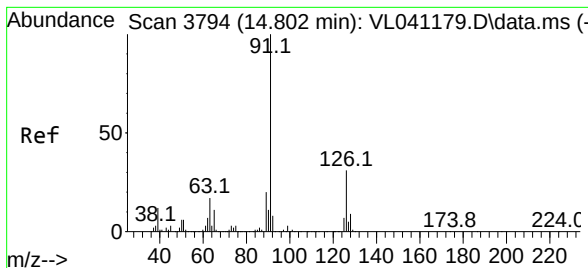


#70
n-Butylbenzene
Concen: 9.712 ppbv
RT: 17.883 min Scan# 4752
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15



Tgt Ion: 91 Resp: 4117516
Ion Ratio Lower Upper
91 100
92 53.7 43.3 64.9
134 22.6 17.8 26.8





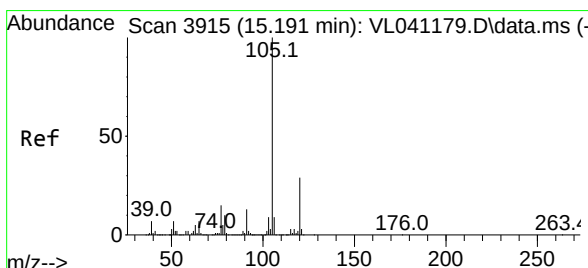
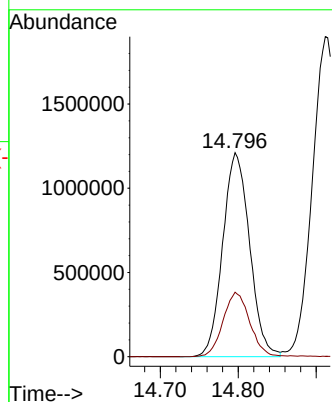
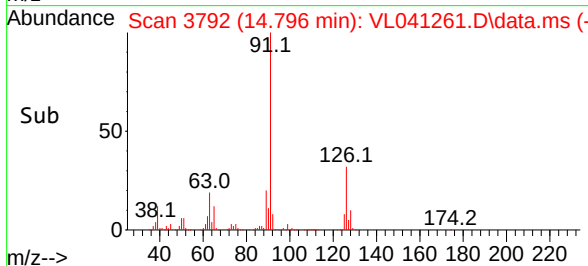
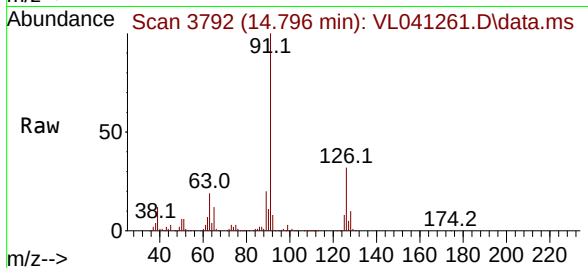
#71
2-Chlorotoluene
Concen: 9.748 ppbv
RT: 14.796 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

Instrument :
MSVOA_L
ClientSampleId :
VL0521ABS01

Tgt Ion: 91 Resp: 289979
Ion Ratio Lower Upper
91 100
126 31.9 12.2 48.8

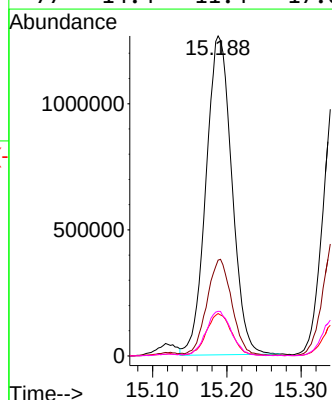
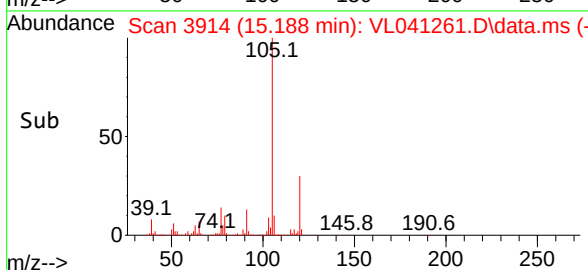
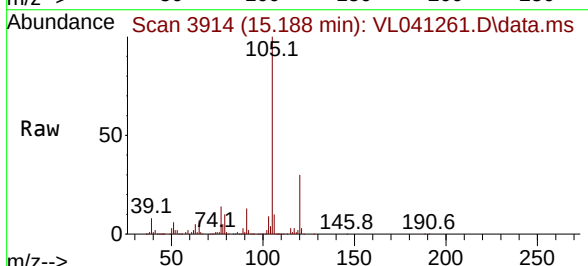
Manual Integrations
APPROVED

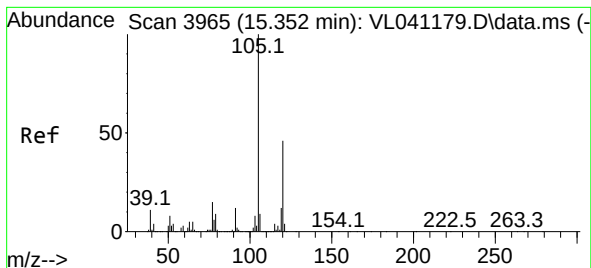
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#72
4-Ethyltoluene
Concen: 10.317 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. -0.000 min
Lab File: VL041261.D
Acq: 21 May 2024 12:15

Tgt Ion:105 Resp: 3052390
Ion Ratio Lower Upper
105 100
120 29.8 24.7 37.1
91 13.6 10.3 15.5
77 14.4 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 9.924 ppbv

RT: 15.349 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VL041261.D

Acq: 21 May 2024 12:15

Instrument :

MSVOA_L

ClientSampleId :

VL0521ABS01

Tgt Ion:105 Resp: 2656414

Ion Ratio Lower Upper

105 100

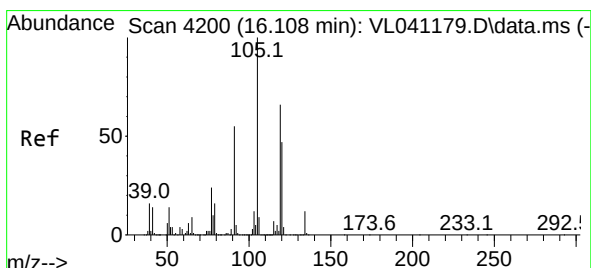
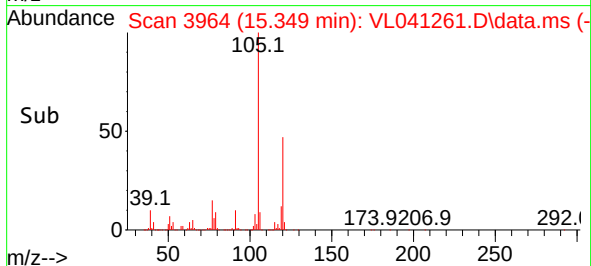
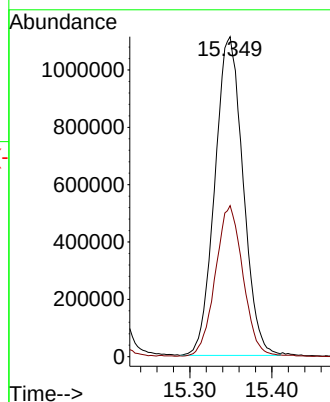
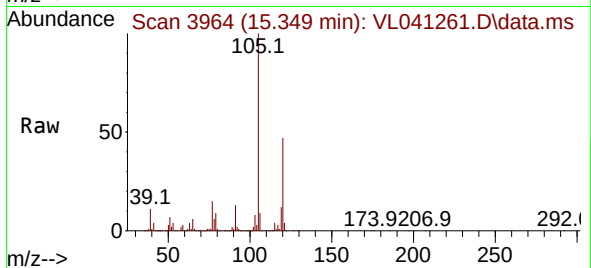
120 47.1 37.0 55.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2024

Supervised By :Mahesh Dadoda 05/22/2024



#74

1,2,4-Trimethylbenzene

Concen: 9.838 ppbv

RT: 16.108 min Scan# 4200

Delta R.T. 0.003 min

Lab File: VL041261.D

Acq: 21 May 2024 12:15

Tgt Ion:105 Resp: 2876142

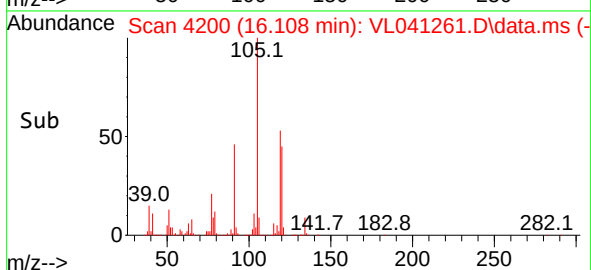
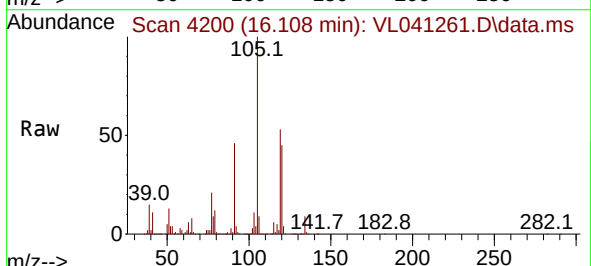
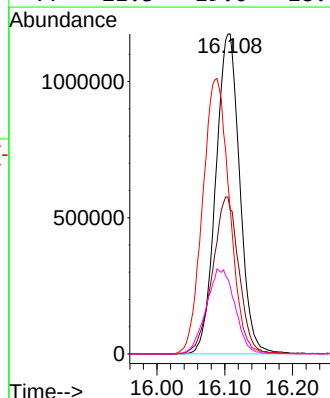
Ion Ratio Lower Upper

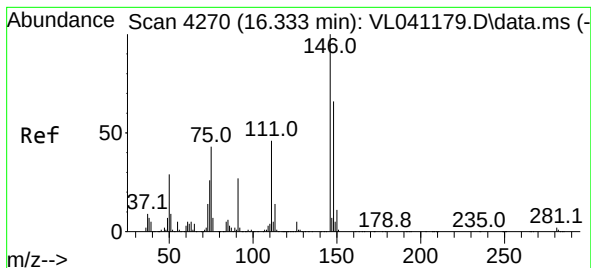
105 100

120 45.0 37.8 56.6

91 45.5 44.3 66.5

77 21.3 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 10.206 ppbv

RT: 16.330 min Scan# 4270

Delta R.T. 0.003 min

Lab File: VL041261.D

Acq: 21 May 2024 12:15

Instrument :

MSVOA_L

ClientSampleId :

VL0521ABS01

Tgt Ion:146 Resp: 1710958

Ion Ratio Lower Upper

146 100

111 47.5 23.7 71.1

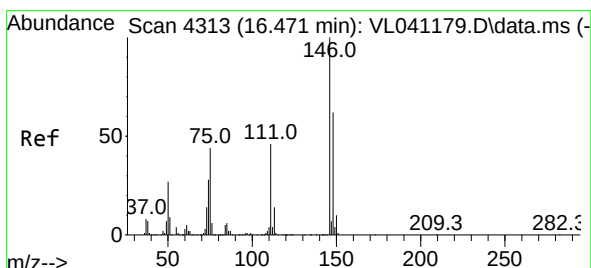
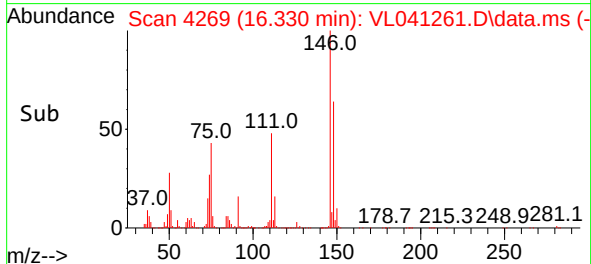
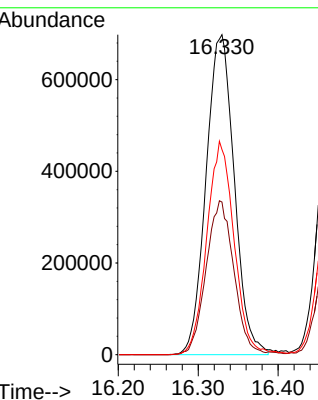
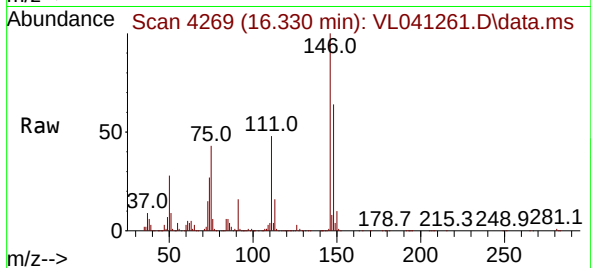
148 64.6 32.5 97.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2024

Supervised By :Mahesh Dadoda 05/22/2024



#76

1,4-Dichlorobenzene

Concen: 10.524 ppbv

RT: 16.474 min Scan# 4314

Delta R.T. 0.006 min

Lab File: VL041261.D

Acq: 21 May 2024 12:15

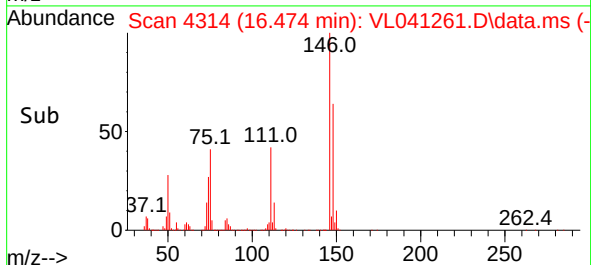
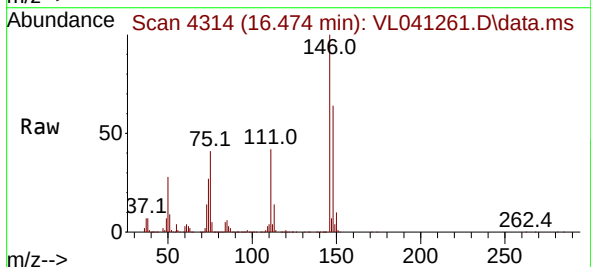
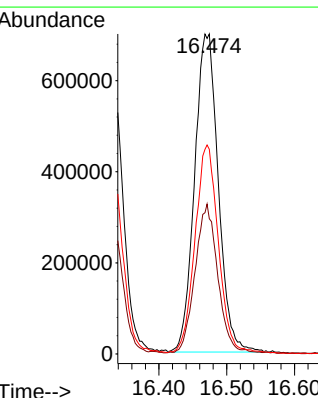
Tgt Ion:146 Resp: 1696583

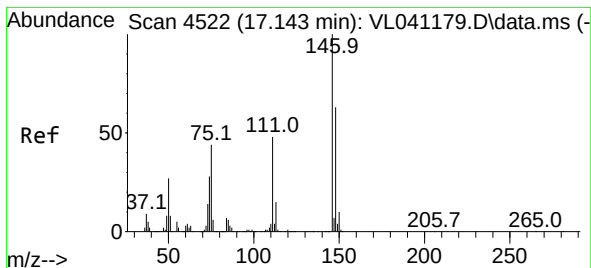
Ion Ratio Lower Upper

146 100

111 45.7 23.3 69.8

148 65.4 32.6 97.7





#77

1,2-Dichlorobenzene

Concen: 9.960 ppbv

RT: 17.140 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041261.D

Acq: 21 May 2024 12:15

Instrument :

MSVOA_L

ClientSampleId :

VL0521ABS01

Tgt Ion:146 Resp: 166889

Ion Ratio Lower Upper

146 100

111 48.1 24.5 73.5

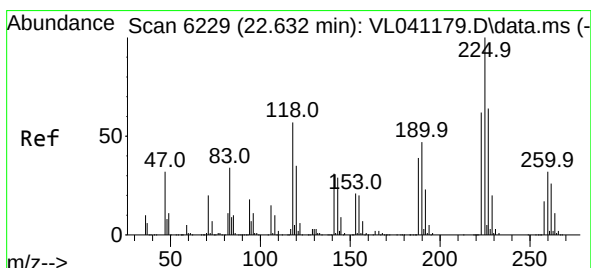
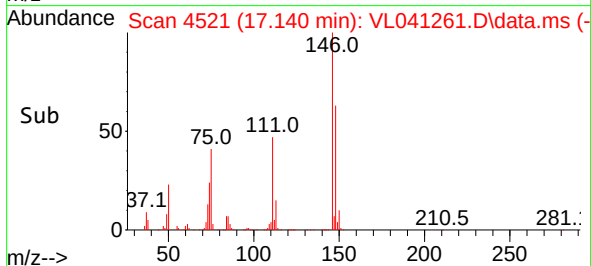
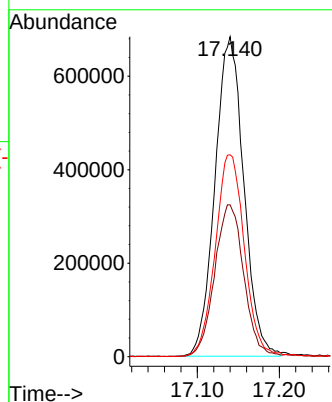
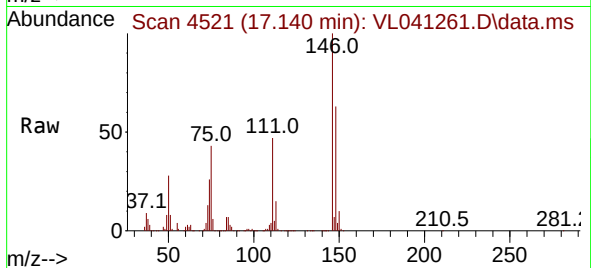
148 64.3 32.6 98.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2024

Supervised By :Mahesh Dadoda 05/22/2024



#78

Hexachloro-1,3-Butadiene

Concen: 7.949 ppbv

RT: 22.625 min Scan# 6227

Delta R.T. -0.003 min

Lab File: VL041261.D

Acq: 21 May 2024 12:15

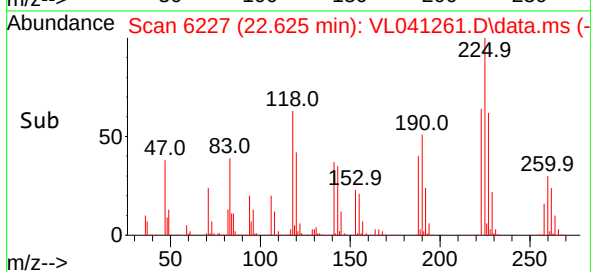
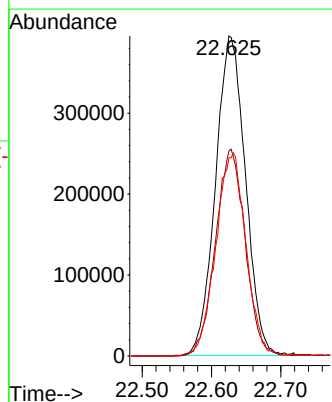
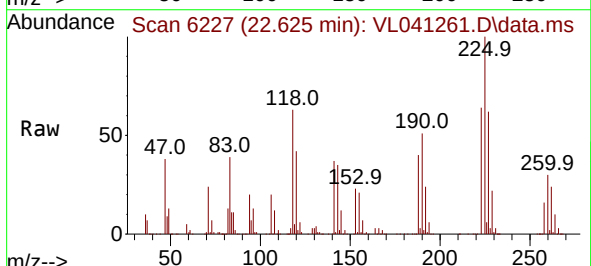
Tgt Ion:225 Resp: 1183846

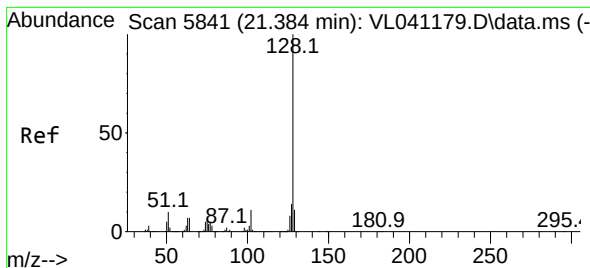
Ion Ratio Lower Upper

225 100

223 64.5 50.9 76.3

227 64.3 52.0 78.0





#79

Naphthalene

Concen: 10.366 ppbv

RT: 21.378 min Scan# 5839

Delta R.T. -0.000 min

Lab File: VL041261.D

Acq: 21 May 2024 12:15

Instrument :

MSVOA_L

ClientSampleId :

VL0521ABS01

Tgt Ion:128 Resp: 288584

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

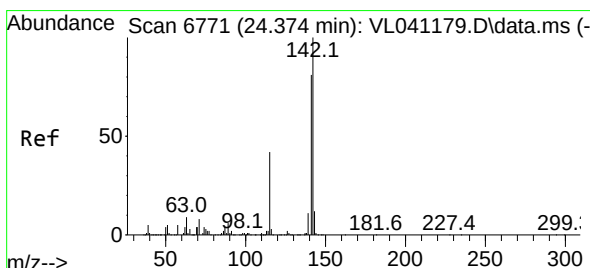
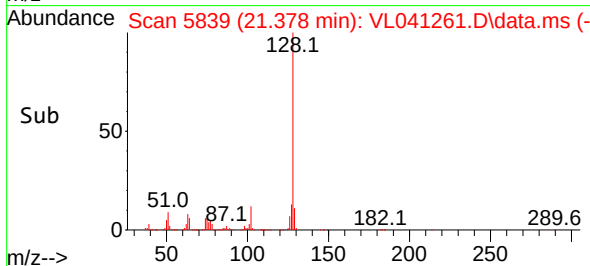
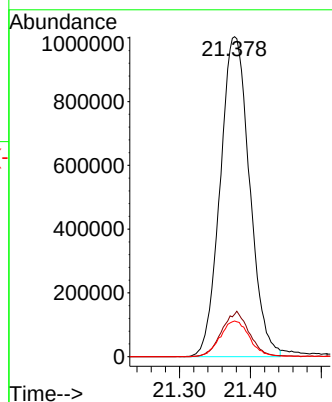
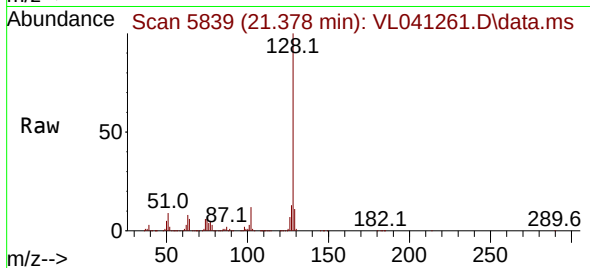
129 11.1 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2024

Supervised By :Mahesh Dadoda 05/22/2024



#80

Naphthalene,2-methyl-

Concen: 8.267 ppbv

RT: 24.371 min Scan# 6770

Delta R.T. -0.000 min

Lab File: VL041261.D

Acq: 21 May 2024 12:15

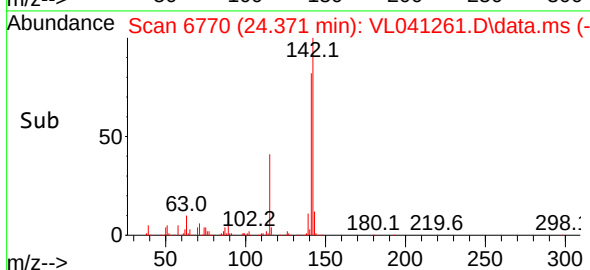
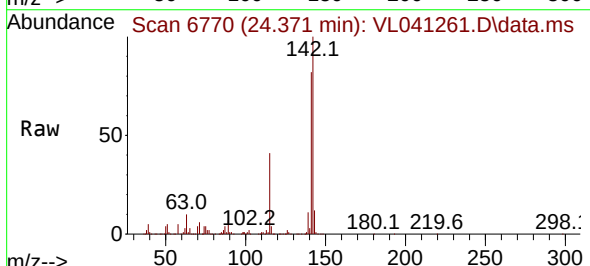
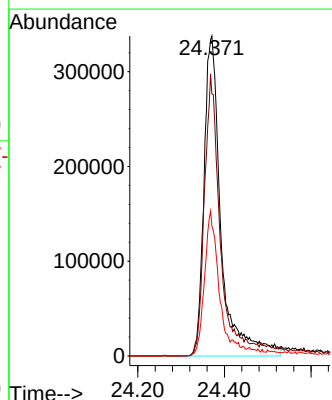
Tgt Ion:142 Resp: 925888

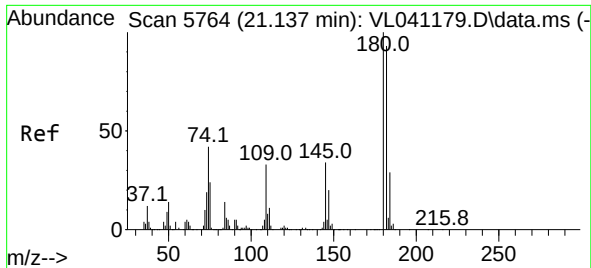
Ion Ratio Lower Upper

142 100

141 84.5 67.9 101.9

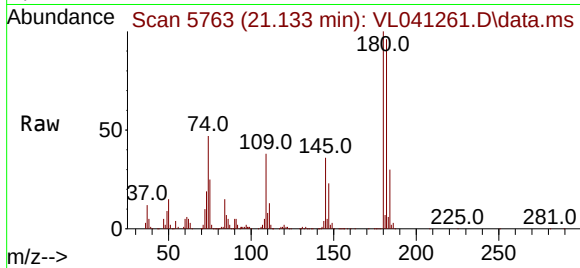
115 41.1 31.4 47.0





#81
 1,2,4-Trichlorobenzene
 Concen: 9.465 ppbv
 RT: 21.133 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VL041261.D
 Acq: 21 May 2024 12:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0521ABS01



Tgt Ion:180 Resp: 1391398
 Ion Ratio Lower Upper
 180 100
 182 97.3 77.2 115.8
 184 31.3 24.6 36.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2024
 Supervised By :Mahesh Dadoda 05/22/2024

