

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050924\
 Data File : VL041257.D
 Acq On : 9 May 2024 14:29
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/10/2024
 Supervised By : Mahesh Dadoda 05/10/2024

Quant Time: May 10 01:27:18 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 : Fri May 10 01:23:08 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	783945	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2073183	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	2080067	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.790 95 1539330 9.803 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	1266673	11.945	ppbv	100
3) Chlorodifluoromethane	2.700	51	1300665	10.924	ppbv	99
4) Chloromethane	2.838	50	488960	10.466	ppbv	96
5) Vinyl Chloride	2.944	62	496172	10.572	ppbv	100
6) Bromomethane	3.144	94	172290	10.061	ppbv	96
7) Chloroethane	3.221	64	173669	10.481	ppbv	100
8) Dichlorotetrafluoroethane	2.883	85	1222494	11.138	ppbv	98
9) Propene	2.719	41	458927	9.849	ppbv	100
10) Heptane	7.594	43	1137411	10.075	ppbv	99
11) Trichlorofluoromethane	3.584	101	1254873	11.644	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.086	101	880601	11.049	ppbv	98
13) Ethanol	3.263	45	102395	9.803	ppbv	100
14) Bromoethene	3.388	108	359431	10.928	ppbv	99
15) Acetone	3.488	43	933854	10.094	ppbv	98
16) 1,3-Butadiene	3.009	39	511302	10.948	ppbv	96
17) tert-Butyl alcohol	3.896	59	909887	9.117	ppbv	99
18) 1,1-Dichloroethene	3.903	96	384291	10.815	ppbv	99
19) Isopropyl Alcohol	3.597	45	648590	10.683	ppbv #	44
20) Methylene Chloride	3.954	84	319784	9.939	ppbv	97
21) Allyl Chloride	4.018	41	614180	10.181	ppbv	97
22) trans-1,2-Dichloroethene	4.465	96	405527	10.974	ppbv	94
23) Vinyl Acetate	4.645	43	1059336	10.398	ppbv #	99
24) 1,1-Dichloroethane	4.584	63	868197	10.959	ppbv	100
25) Ethyl Acetate	5.221	43	1867877	10.115	ppbv	99
26) Hexane	5.230	57	828457	10.053	ppbv	98
27) Carbon Disulfide	4.144	76	1015548	10.410	ppbv	97
28) Methyl tert-Butyl Ether	4.603	73	625647	9.535	ppbv	99
29) Chloroform	5.295	83	1291023	11.356	ppbv	99
30) Cyclohexane	6.616	84	703941	10.791	ppbv	97
31) cis-1,2-Dichloroethene	5.099	61	838786	10.872	ppbv	94
32) 1,1,1-Trichloroethane	6.021	97	1297473	11.438	ppbv	99
34) 2-Butanone	4.806	43	1027867	9.741	ppbv	98
35) Carbon Tetrachloride	6.510	117	1344967	11.560	ppbv	98
36) Benzene	6.388	78	1736944	9.984	ppbv	98
37) 1,2-Dichloroethane	5.825	62	1033372	11.384	ppbv	99
38) Trichloroethene	7.308	130	703706	10.854	ppbv	94
39) 1,2-Dichloropropane	7.089	63	668581	9.972	ppbv	95
40) 1,4-Dioxane	7.301	88	272152	11.362	ppbv	86
41) Tetrahydrofuran	5.574	42	727530	9.524	ppbv	99
42) Bromodichloromethane	7.266	83	1458524	11.203	ppbv	100
43) Methyl Methacrylate	7.488	69	699511	9.941	ppbv	97
44) 2,2,4-Trimethylpentane	7.343	57	2951928	9.841	ppbv	100
45) t-1,3-Dichloropropene	8.725	75	508017	9.963	ppbv	99

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

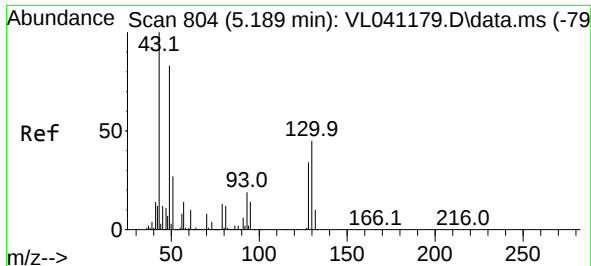
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri May 10 01:23:08 2024

Response via : Initial Calibration

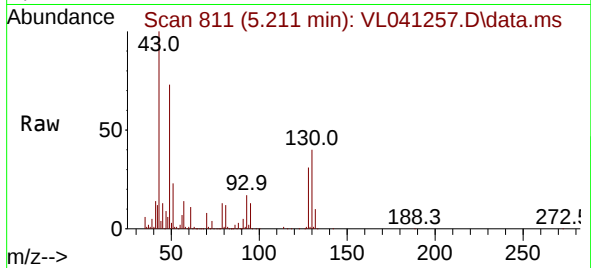
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.160	75	629272	10.080	ppbv	98
47) 1,1,2-Trichloroethane	8.912	97	724208	10.791	ppbv	98
48) Dibromochloromethane	9.725	129	1233210	11.533	ppbv	100
49) Bromoform	12.420	173	1020402	11.218	ppbv	100
50) 4-Methyl-2-Pentanone	8.195	43	1828381	9.655	ppbv	100
51) 2-Hexanone	9.565	43	1306856	9.304	ppbv #	99
52) Tetrachloroethene	10.629	164	622874	10.186	ppbv	97
53) Toluene	9.237	91	2057847	10.201	ppbv	100
54) 1,2-Dibromoethane	10.024	107	996518	10.963	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.526	131	897406	10.640	ppbv	98
57) Chlorobenzene	11.542	112	1533228	10.065	ppbv	97
58) Ethyl Benzene	12.102	91	2771771	9.718	ppbv	99
59) m/p-Xylene	12.384	91	4699238m	19.603	ppbv	
60) o-Xylene	13.073	91	2231099	9.929	ppbv	100
61) Styrene	12.912	104	1199484	10.105	ppbv	98
62) Isopropylbenzene	14.044	105	3306223	9.837	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.060	83	1550745	10.125	ppbv	99
64) n-propylbenzene	14.928	120	872782	10.409	ppbv	97
65) tert-Butylbenzene	16.101	119	2947530	9.791	ppbv	100
66) Benzyl Chloride	16.343	91	186047m	5.460	ppbv	
67) sec-Butylbenzene	16.648	105	4153711	9.802	ppbv	98
69) p-Isopropyltoluene	17.008	119	3451221	9.883	ppbv	99
70) n-Butylbenzene	17.899	91	3636860	9.972	ppbv	100
71) 2-Chlorotoluene	14.812	91	2554203	9.981	ppbv	99
72) 4-Ethyltoluene	15.208	105	2626016	10.318	ppbv	99
73) 1,3,5-Trimethylbenzene	15.365	105	2316926	10.061	ppbv	98
74) 1,2,4-Trimethylbenzene	16.121	105	2531884	10.067	ppbv	98
75) 1,3-Dichlorobenzene	16.346	146	1507498	10.453	ppbv	99
76) 1,4-Dichlorobenzene	16.490	146	1484996	10.707	ppbv	99
77) 1,2-Dichlorobenzene	17.156	146	1470883	10.203	ppbv	99
78) Hexachloro-1,3-Butadiene	22.648	225	1054097	8.227	ppbv	99
79) Naphthalene	21.400	128	2525015	10.543	ppbv	99
80) Naphthalene,2-methyl-	24.387	142	799103	8.294	ppbv	96
81) 1,2,4-Trichlorobenzene	21.156	180	1204451	9.524	ppbv	100

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

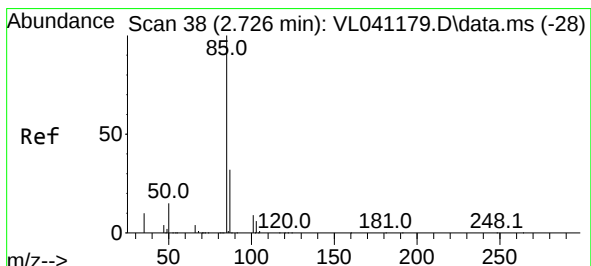
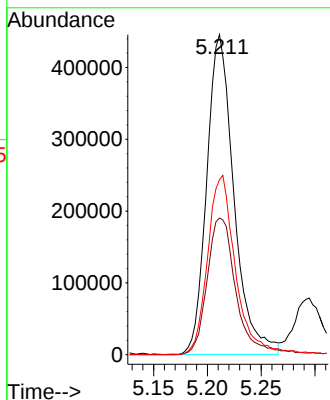
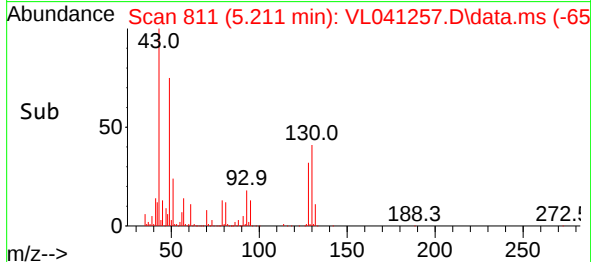
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 49 Resp: 783945
Ion Ratio Lower Upper
49 100
128 46.2 21.5 64.5
130 57.9 27.2 81.6

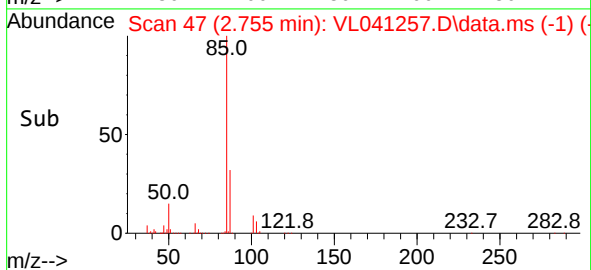
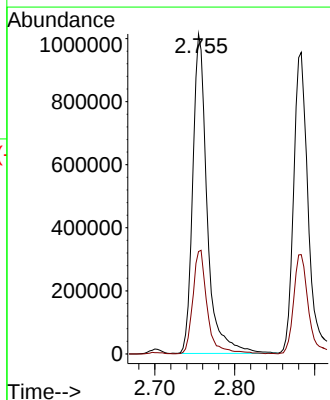
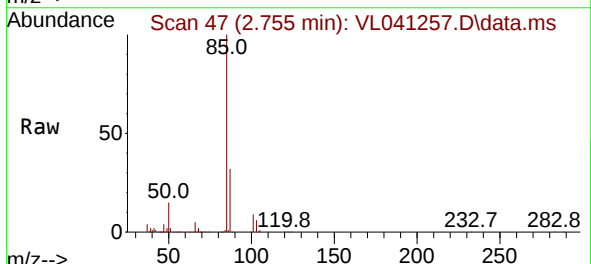
Manual Integrations
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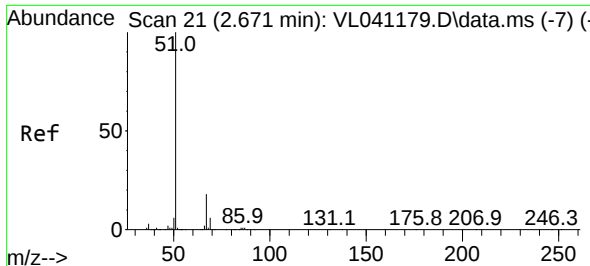
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#2
Dichlorodifluoromethane
Concen: 11.945 ppbv
RT: 2.755 min Scan# 47
Delta R.T. 0.010 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

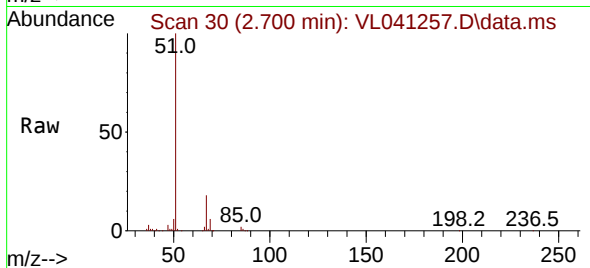
Tgt Ion: 85 Resp: 1266673
Ion Ratio Lower Upper
85 100
87 32.0 25.7 38.5





#3
Chlorodifluoromethane
Concen: 10.924 ppbv
RT: 2.700 min Scan# 30
Delta R.T. 0.010 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

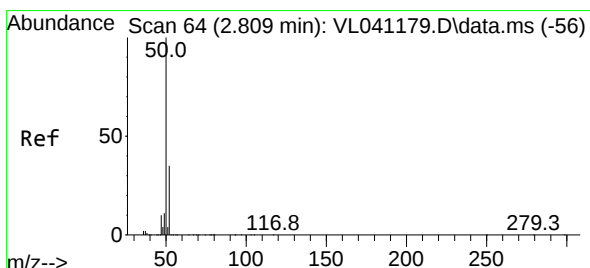
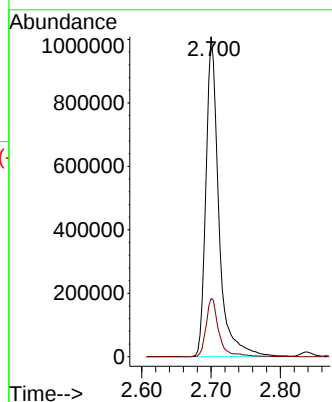
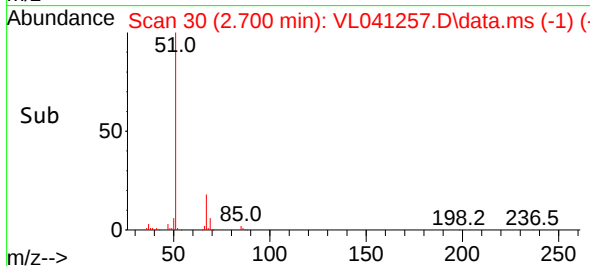
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 51 Resp: 130066
Ion Ratio Lower Upper
51 100
67 18.1 14.0 21.0

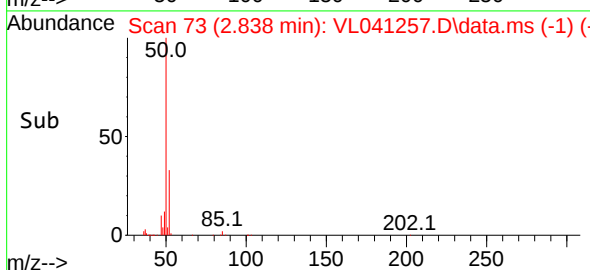
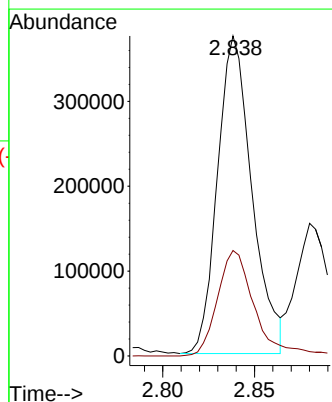
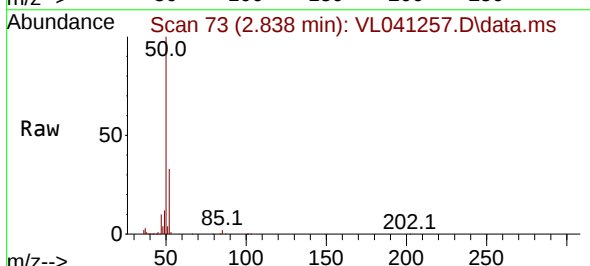
Manual Integrations
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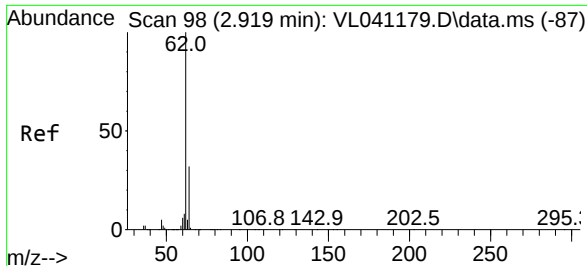
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#4
Chloromethane
Concen: 10.466 ppbv
RT: 2.838 min Scan# 73
Delta R.T. 0.010 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

Tgt Ion: 50 Resp: 488960
Ion Ratio Lower Upper
50 100
52 33.2 28.3 42.5





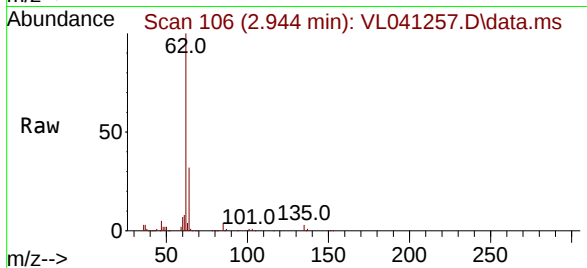
#5
 Vinyl Chloride
 Concen: 10.572 ppbv
 RT: 2.944 min Scan# 106
 Delta R.T. 0.010 min
 Lab File: VL041257.D
 Acq: 9 May 2024 14:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

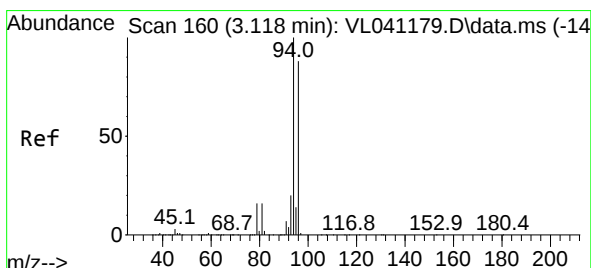
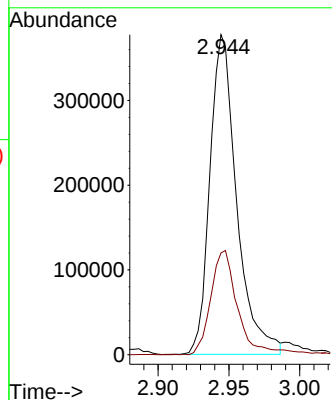
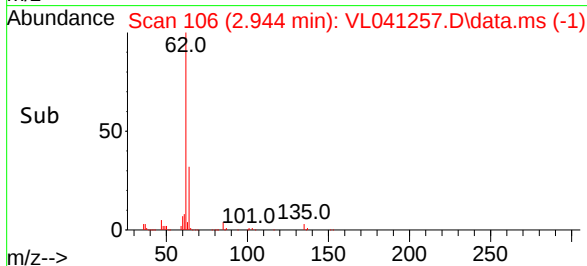


Tgt Ion: 62 Resp: 496172
 Ion Ratio Lower Upper
 62 100
 64 31.9 25.7 38.5

Manual Integrations

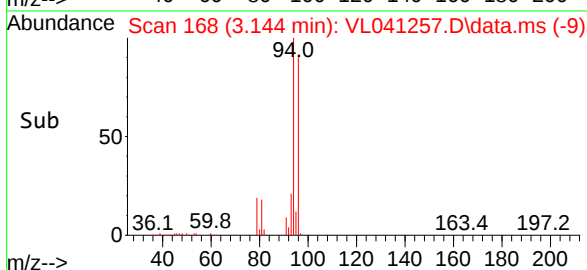
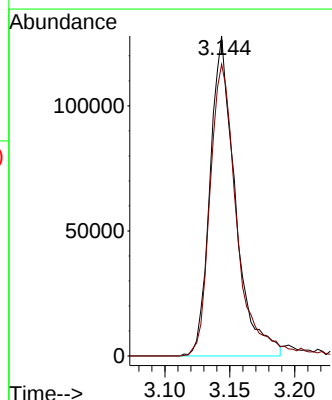
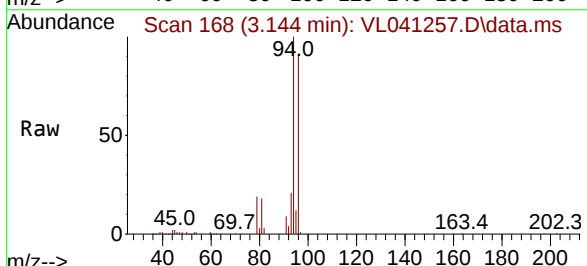
APPROVED

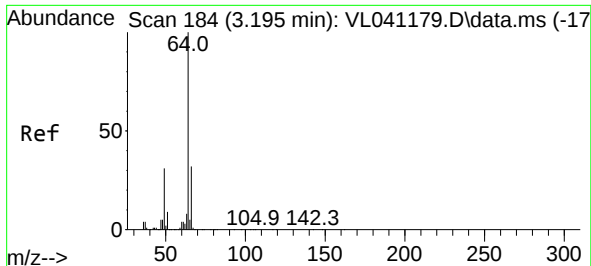
Reviewed By :Semsettin Yesilyurt 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024



#6
 Bromomethane
 Concen: 10.061 ppbv
 RT: 3.144 min Scan# 168
 Delta R.T. 0.010 min
 Lab File: VL041257.D
 Acq: 9 May 2024 14:29

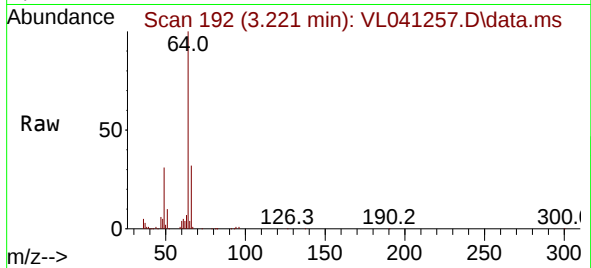
Tgt Ion: 94 Resp: 172290
 Ion Ratio Lower Upper
 94 100
 96 91.1 70.1 105.1





#7
Chloroethane
Concen: 10.481 ppbv
RT: 3.221 min Scan# 192
Delta R.T. 0.007 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

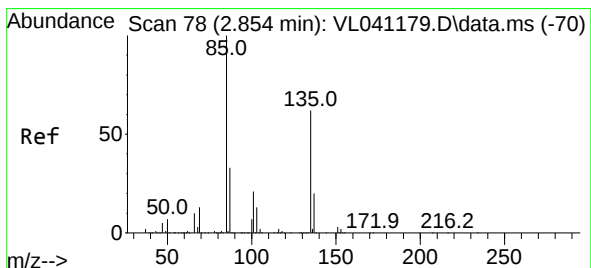
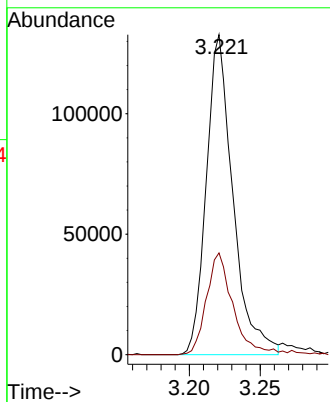
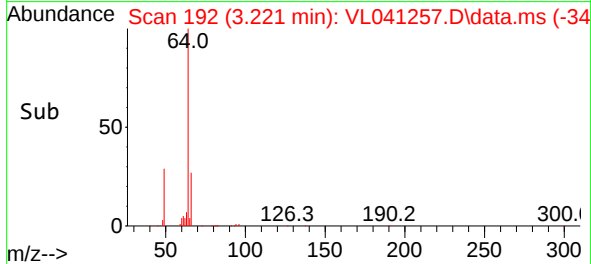
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 64 Resp: 173669
Ion Ratio Lower Upper
64 100
66 31.8 25.4 38.2

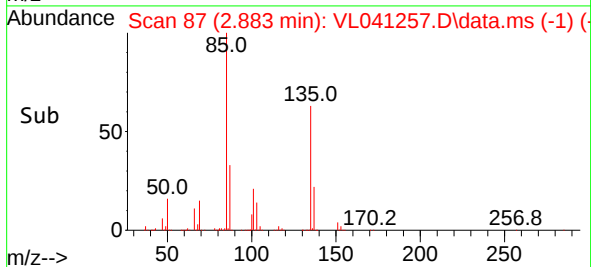
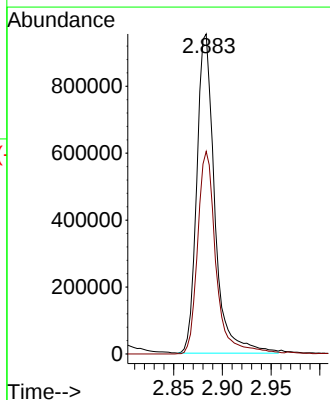
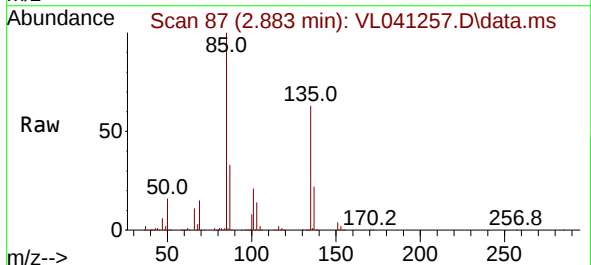
Manual Integrations
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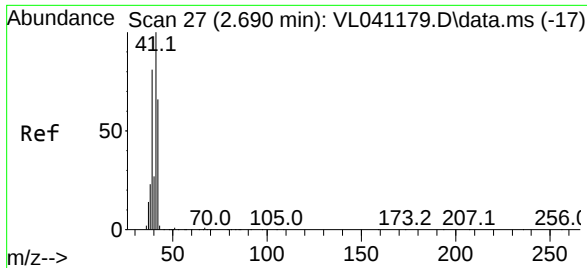
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#8
Dichlorotetrafluoroethane
Concen: 11.138 ppbv
RT: 2.883 min Scan# 87
Delta R.T. 0.010 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

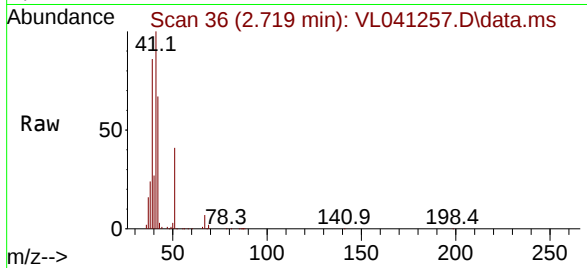
Tgt Ion: 85 Resp: 1222494
Ion Ratio Lower Upper
85 100
135 65.7 51.5 77.3





#9
Propene
Concen: 9.849 ppbv
RT: 2.719 min Scan# 30
Delta R.T. 0.010 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

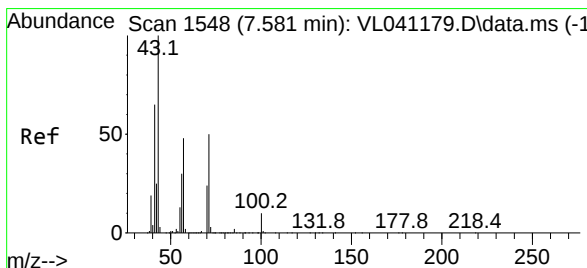
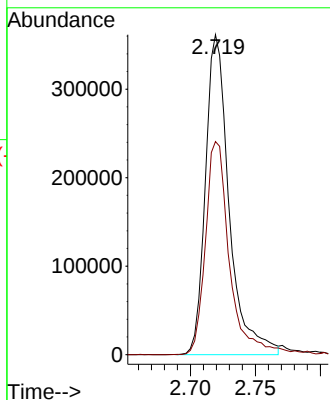
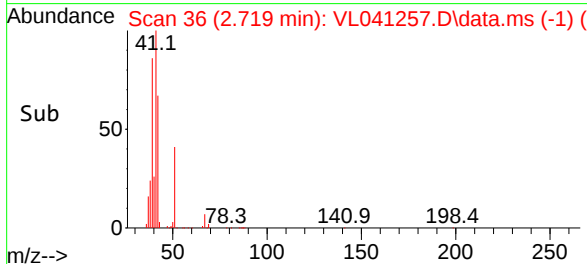
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 41 Resp: 45892
Ion Ratio Lower Upper
41 100
42 68.9 55.3 82.9

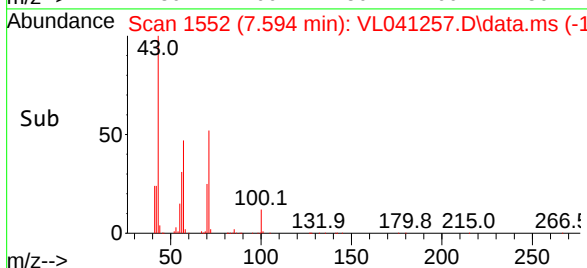
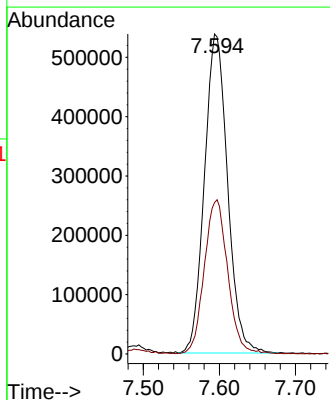
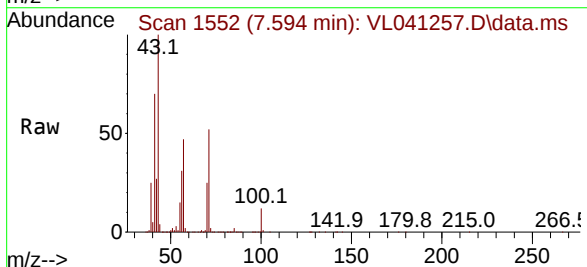
Manual Integrations
APPROVED

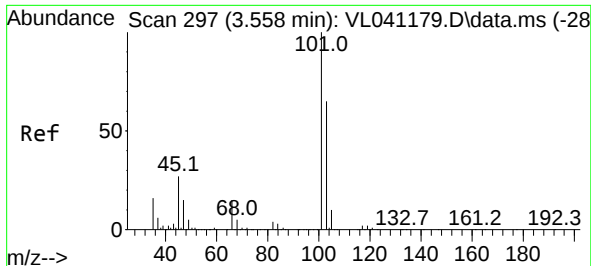
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#10
Heptane
Concen: 10.075 ppbv
RT: 7.594 min Scan# 1552
Delta R.T. -0.003 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

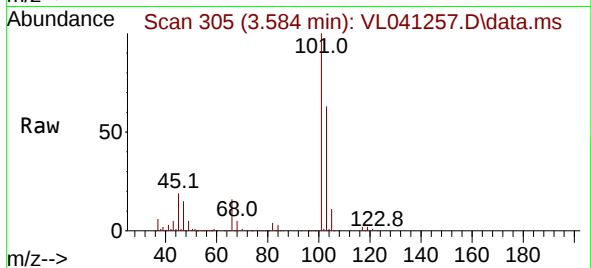
Tgt Ion: 43 Resp: 1137411
Ion Ratio Lower Upper
43 100
57 49.0 38.7 58.1





#11
Trichlorofluoromethane
Concen: 11.644 ppbv
RT: 3.584 min Scan# 305
Delta R.T. 0.007 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

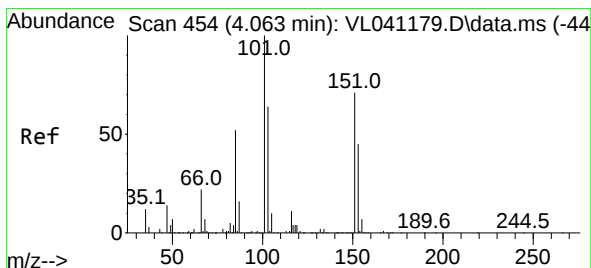
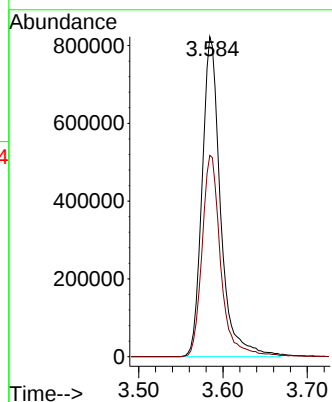
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion:101 Resp: 125487
Ion Ratio Lower Upper
101 100
103 62.9 51.6 77.4

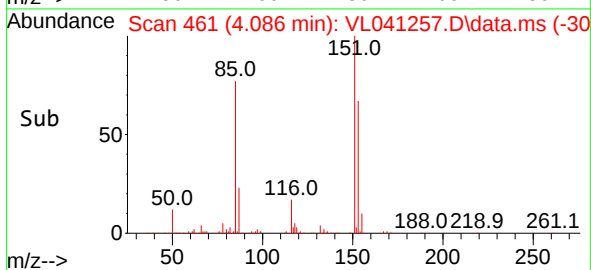
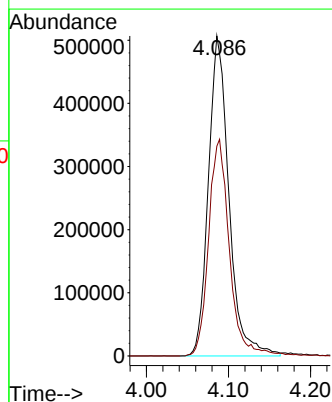
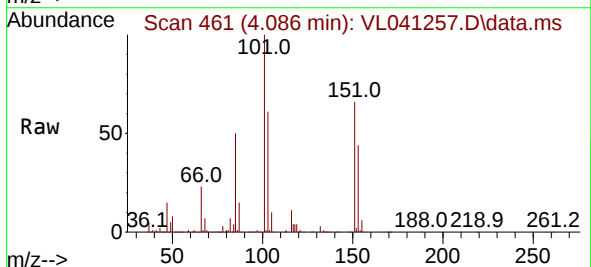
Manual Integrations
APPROVED

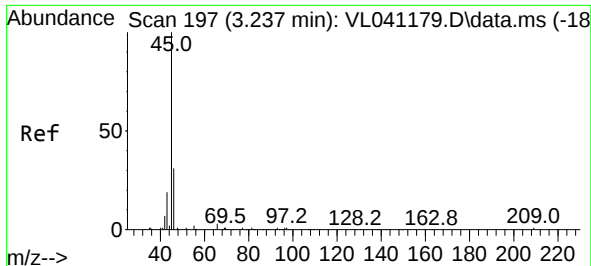
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.049 ppbv
RT: 4.086 min Scan# 461
Delta R.T. 0.007 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

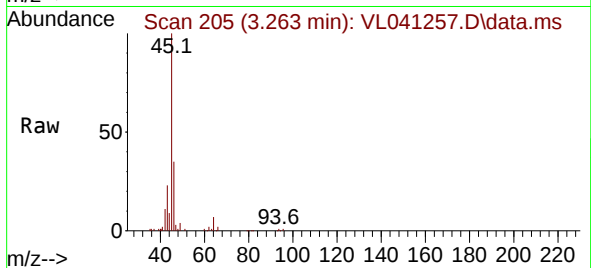
Tgt Ion:101 Resp: 880601
Ion Ratio Lower Upper
101 100
151 68.9 56.8 85.2





#13
Ethanol
Concen: 9.803 ppbv
RT: 3.263 min Scan# 205
Delta R.T. 0.007 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

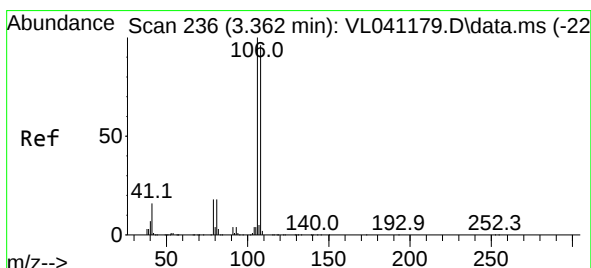
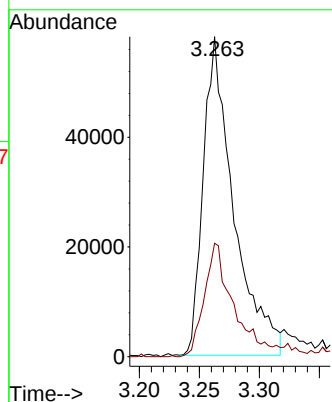
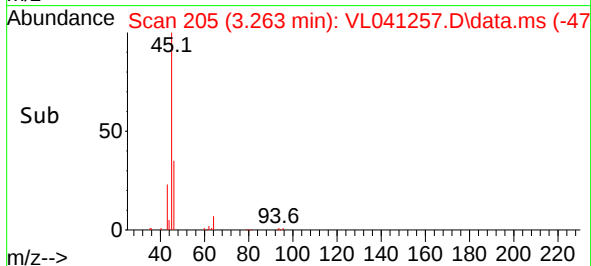
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



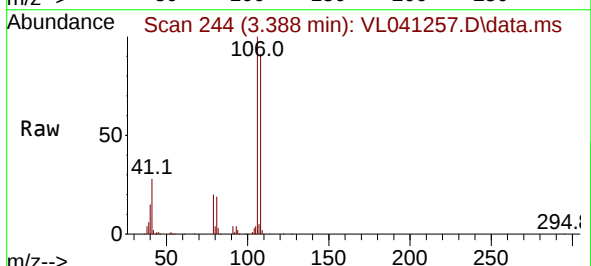
Tgt Ion: 45 Resp: 102395
Ion Ratio Lower Upper
45 100
46 36.6 14.8 59.0

Manual Integrations
APPROVED

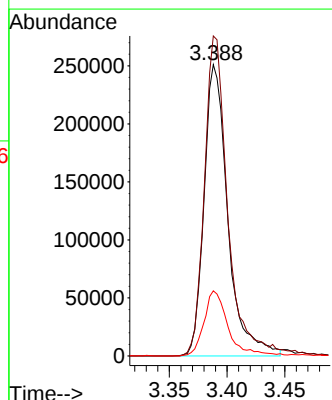
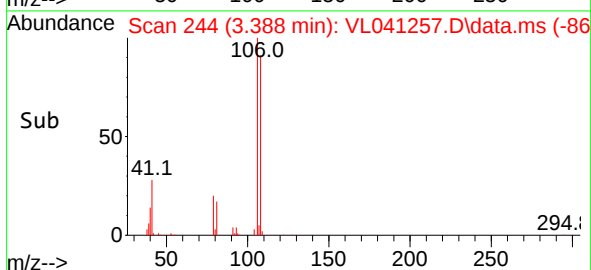
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

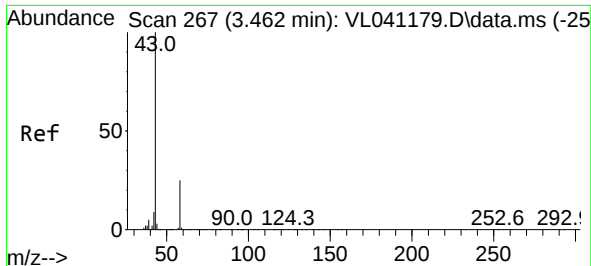


#14
Bromoethene
Concen: 10.928 ppbv
RT: 3.388 min Scan# 244
Delta R.T. 0.007 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29



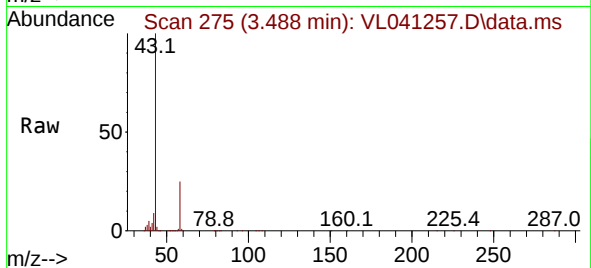
Tgt Ion:108 Resp: 359431
Ion Ratio Lower Upper
108 100
106 109.5 88.2 132.4
79 23.2 17.4 26.0





#15
Acetone
Concen: 10.094 ppbv
RT: 3.488 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

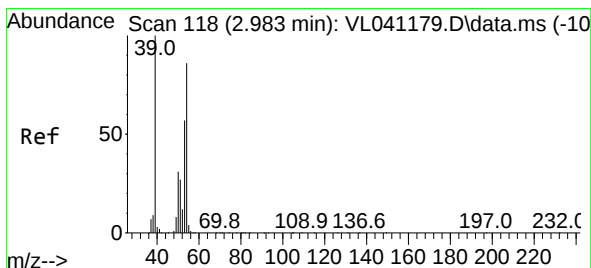
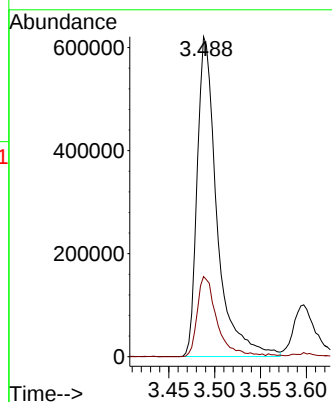
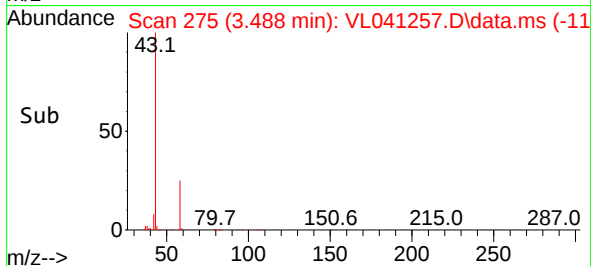
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



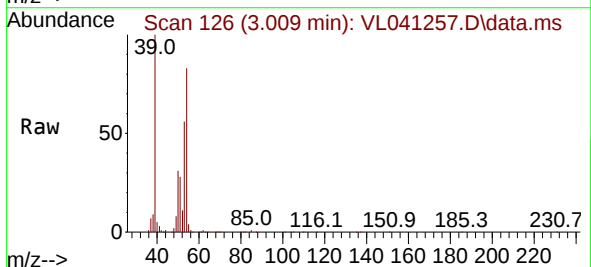
Tgt Ion: 43 Resp: 933854
Ion Ratio Lower Upper
43 100
58 25.5 21.4 32.0

Manual Integrations
APPROVED

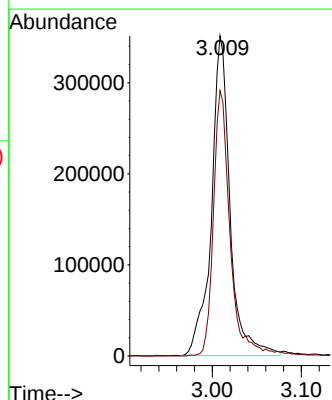
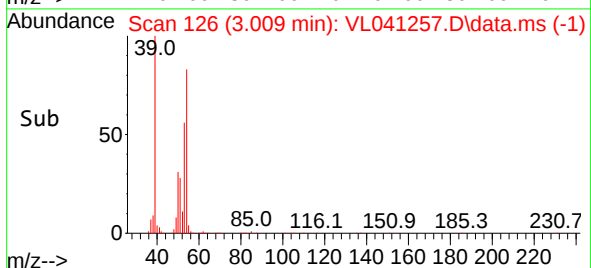
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

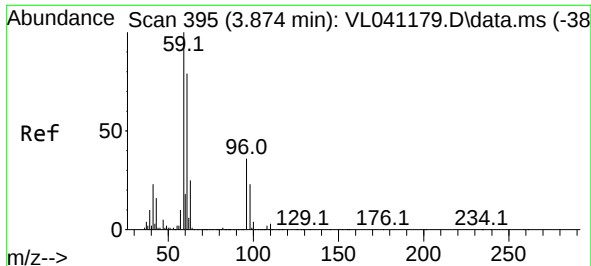


#16
1,3-Butadiene
Concen: 10.948 ppbv
RT: 3.009 min Scan# 126
Delta R.T. 0.010 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29



Tgt Ion: 39 Resp: 511302
Ion Ratio Lower Upper
39 100
54 74.8 62.2 93.4





#17

tert-Butyl alcohol

Concen: 9.117 ppbv

RT: 3.896 min Scan# 401

Delta R.T. 0.007 min

Lab File: VL041257.D

Acq: 9 May 2024 14:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 59 Resp: 90988

Ion Ratio Lower Upper

59 100

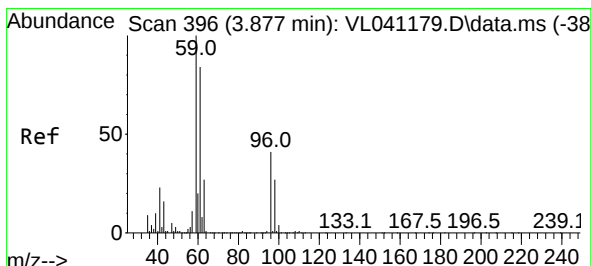
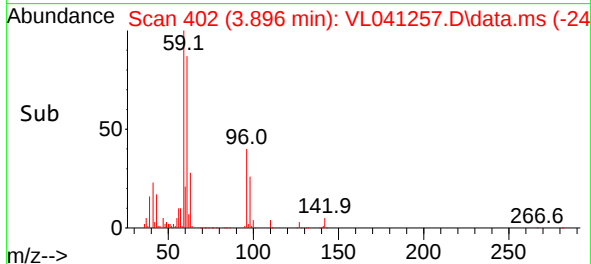
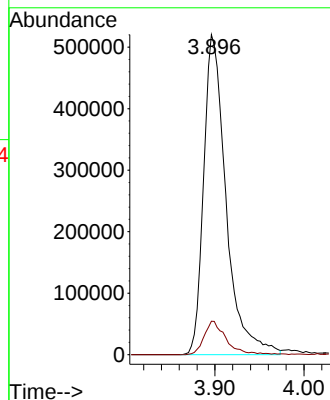
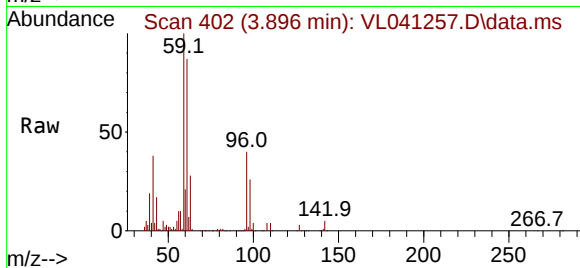
57 10.7 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#18

1,1-Dichloroethene

Concen: 10.815 ppbv

RT: 3.903 min Scan# 404

Delta R.T. 0.007 min

Lab File: VL041257.D

Acq: 9 May 2024 14:29

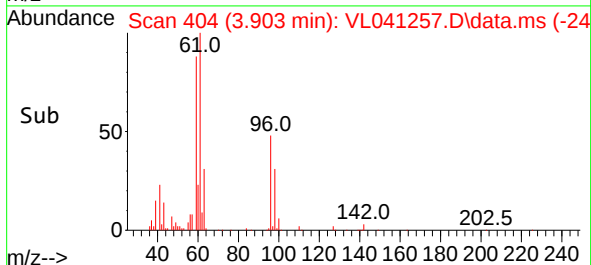
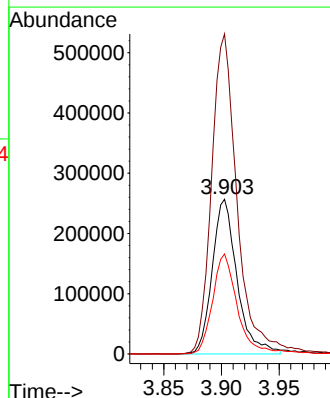
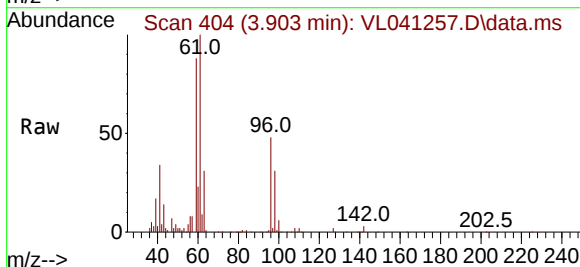
Tgt Ion: 96 Resp: 384291

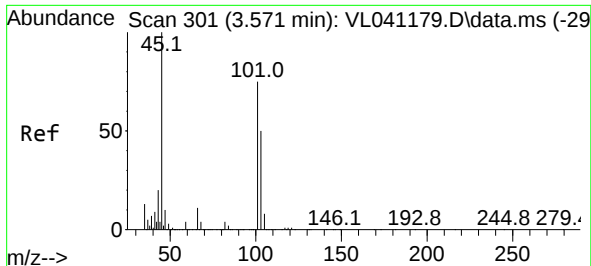
Ion Ratio Lower Upper

96 100

61 206.6 164.4 246.6

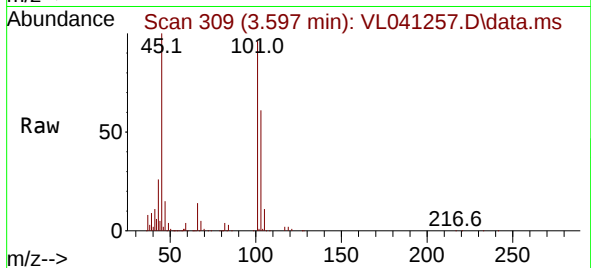
98 64.5 51.8 77.8





#19
Isopropyl Alcohol
Concen: 10.683 ppbv
RT: 3.597 min Scan# 301
Delta R.T. 0.007 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

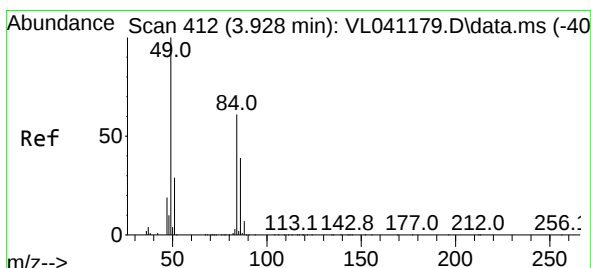
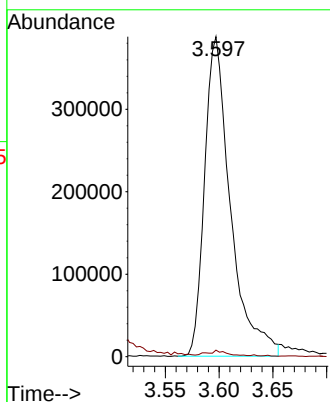
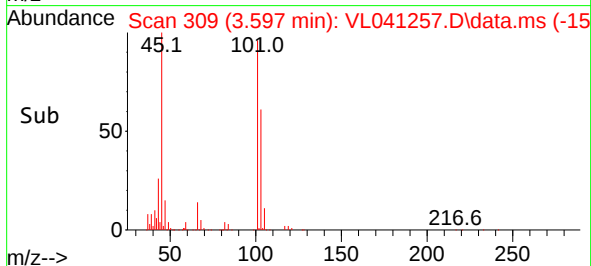
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



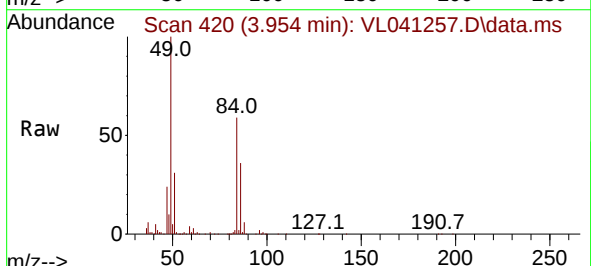
Tgt Ion: 45 Resp: 648590
Ion Ratio Lower Upper
45 100
58 1.8 26.8 40.2

Manual Integrations
APPROVED

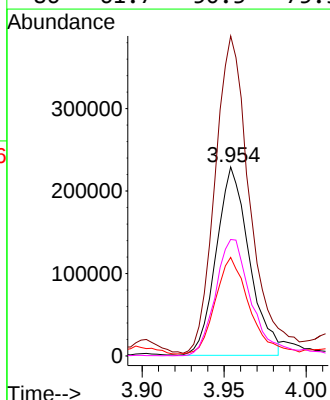
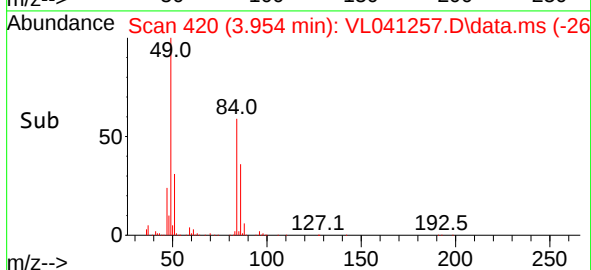
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

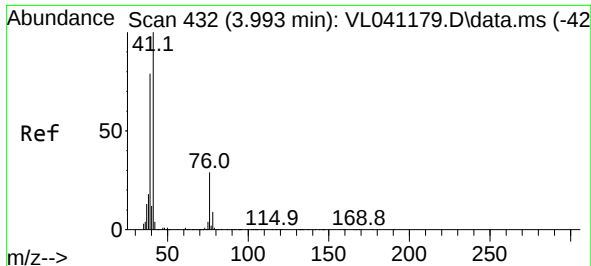


#20
Methylene Chloride
Concen: 9.939 ppbv
RT: 3.954 min Scan# 420
Delta R.T. 0.007 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29



Tgt Ion: 84 Resp: 319784
Ion Ratio Lower Upper
84 100
49 167.7 130.4 195.6
51 51.3 38.0 57.0
86 61.7 50.3 75.5





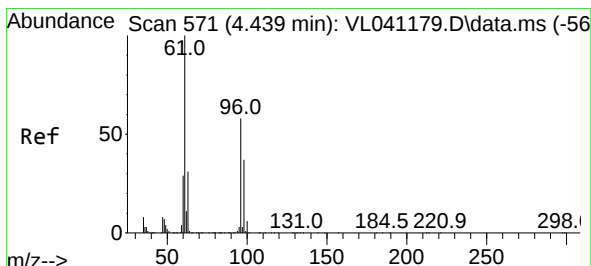
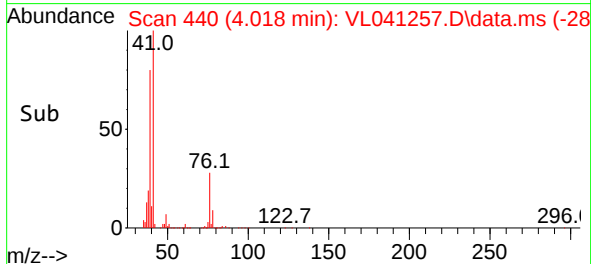
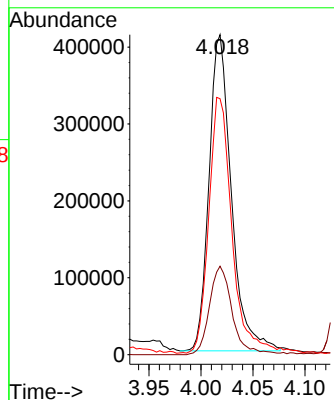
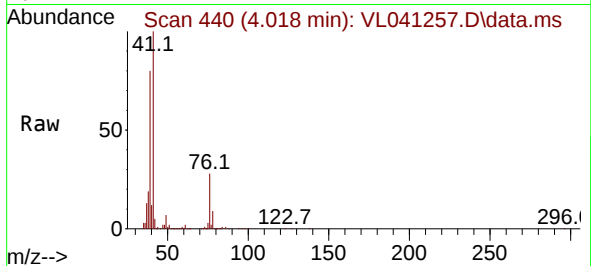
#21
 Allyl Chloride
 Concen: 10.181 ppbv
 RT: 4.018 min Scan# 41
 Delta R.T. 0.007 min
 Lab File: VL041257.D
 Acq: 9 May 2024 14:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 41 Resp: 614180
 Ion Ratio Lower Upper
 41 100
 76 28.9 23.7 35.5
 39 84.3 64.7 97.1

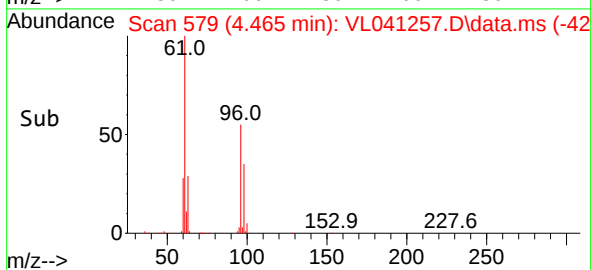
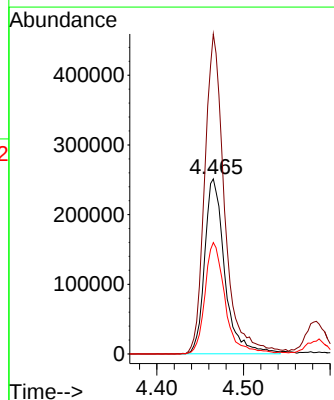
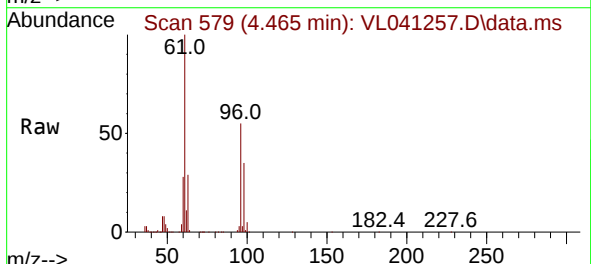
Manual Integrations
 APPROVED

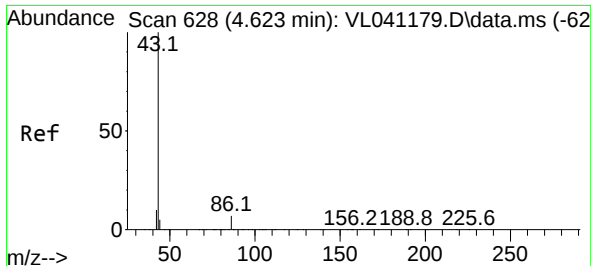
Reviewed By :Semsettin Yesilyurt 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024



#22
 trans-1,2-Dichloroethene
 Concen: 10.974 ppbv
 RT: 4.465 min Scan# 579
 Delta R.T. 0.003 min
 Lab File: VL041257.D
 Acq: 9 May 2024 14:29

Tgt Ion: 96 Resp: 405527
 Ion Ratio Lower Upper
 96 100
 61 182.9 137.6 206.4
 98 63.7 50.6 76.0





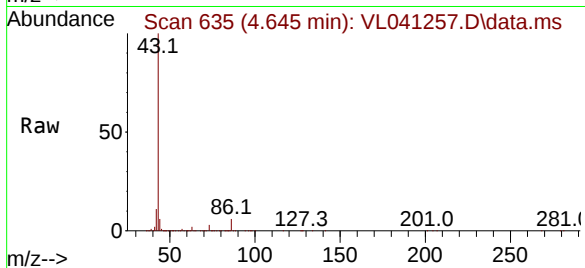
#23
 Vinyl Acetate
 Concen: 10.398 ppbv
 RT: 4.645 min Scan# 616
 Delta R.T. 0.007 min
 Lab File: VL041257.D
 Acq: 9 May 2024 14:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

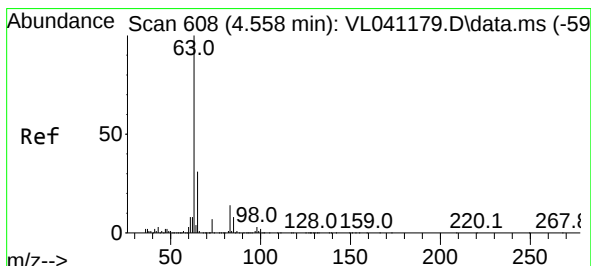
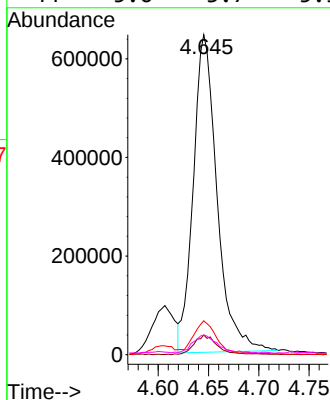
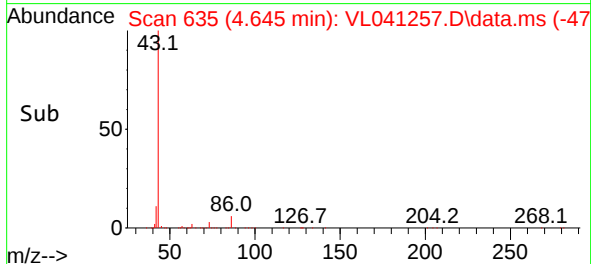


Tgt Ion: 43 Resp: 1059330
 Ion Ratio Lower Upper
 43 100
 86 6.1 4.9 7.3
 42 10.5 8.0 12.0
 44 5.6 3.7 5.5#

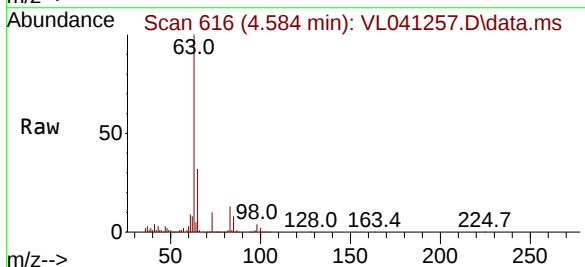
Manual Integrations

APPROVED

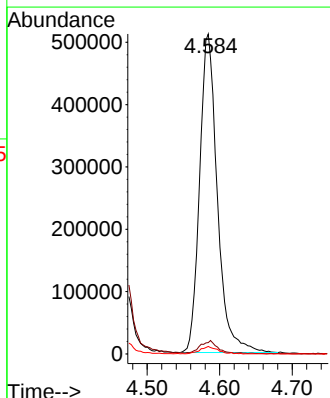
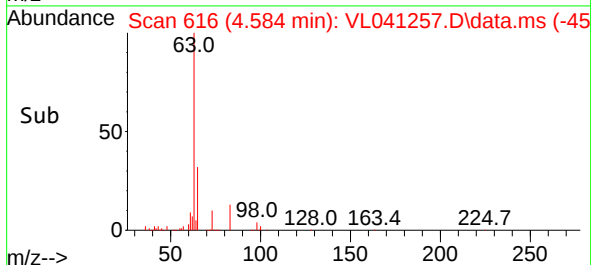
Reviewed By :Semsettin Yesilyurt 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024

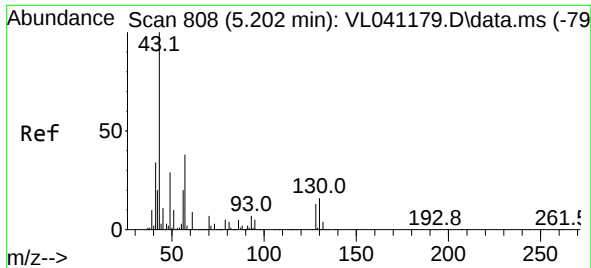


#24
 1,1-Dichloroethane
 Concen: 10.959 ppbv
 RT: 4.584 min Scan# 616
 Delta R.T. 0.007 min
 Lab File: VL041257.D
 Acq: 9 May 2024 14:29



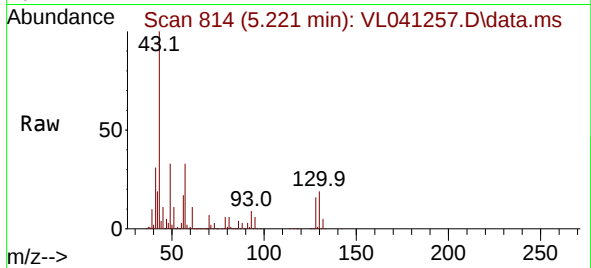
Tgt Ion: 63 Resp: 868197
 Ion Ratio Lower Upper
 63 100
 98 3.4 1.6 4.8
 100 2.3 1.1 3.5





#25
Ethyl Acetate
Concen: 10.115 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.000 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

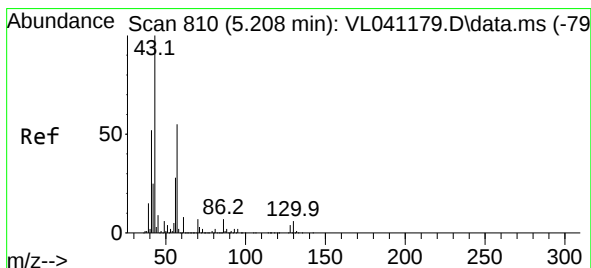
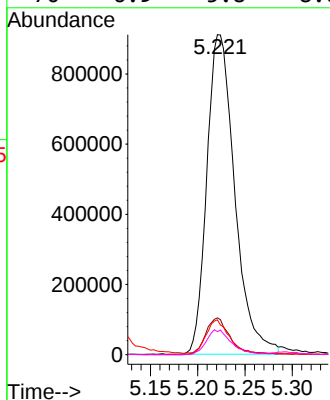
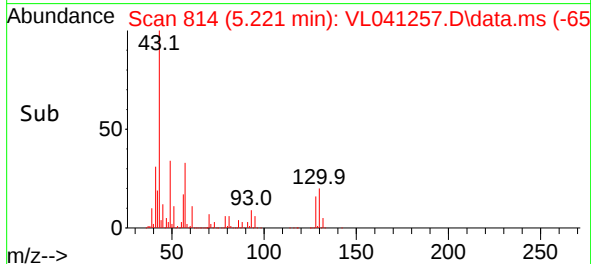
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 43 Resp: 186787
Ion Ratio Lower Upper
43 100
45 10.5 8.2 12.2
61 9.6 7.7 11.5
70 6.9 5.8 8.6

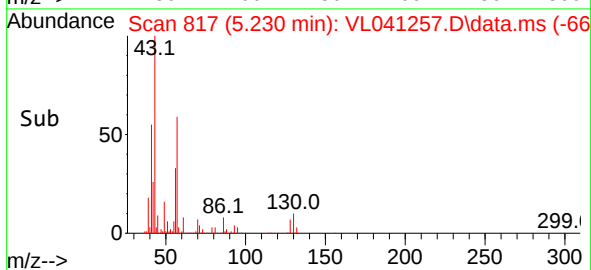
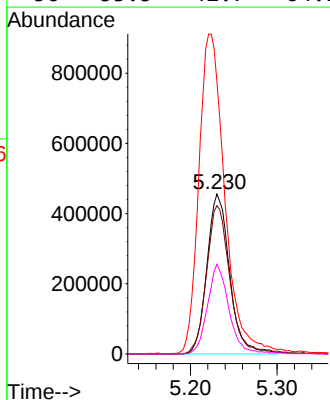
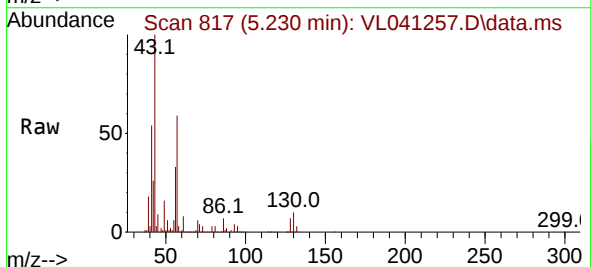
Manual Integrations
APPROVED

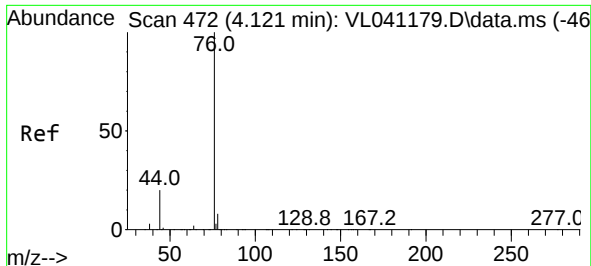
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#26
Hexane
Concen: 10.053 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.003 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

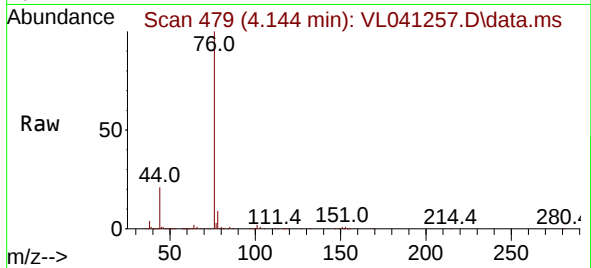
Tgt Ion: 57 Resp: 828457
Ion Ratio Lower Upper
57 100
41 96.7 75.8 113.8
43 230.8 187.0 280.4
56 53.5 42.7 64.1





#27
Carbon Disulfide
Concen: 10.410 ppbv
RT: 4.144 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

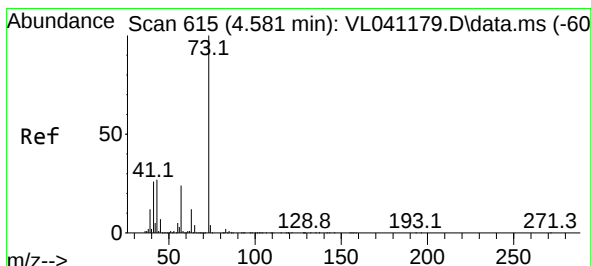
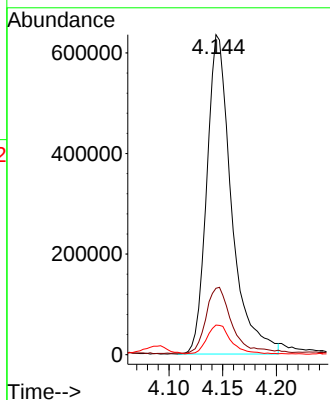
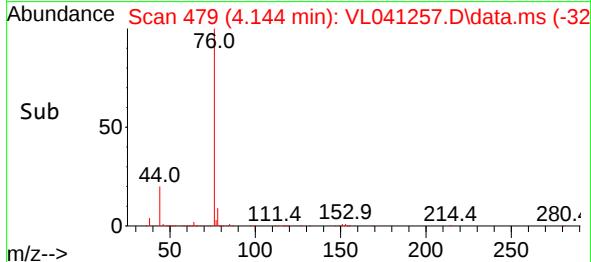
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 76 Resp: 101554
Ion Ratio Lower Upper
76 100
44 22.2 16.3 24.5
78 10.1 7.3 10.9

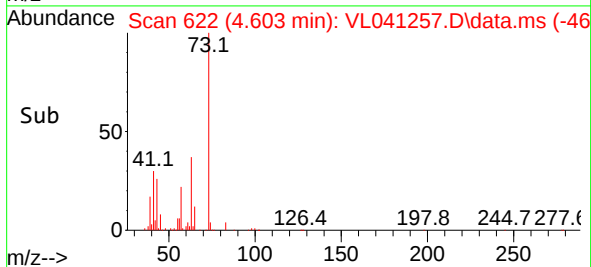
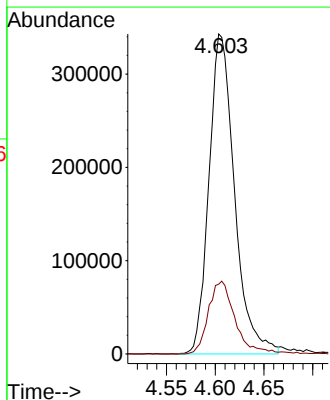
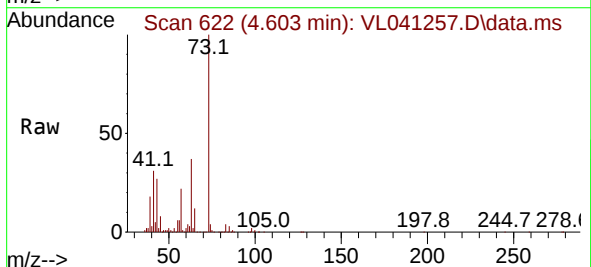
Manual Integrations
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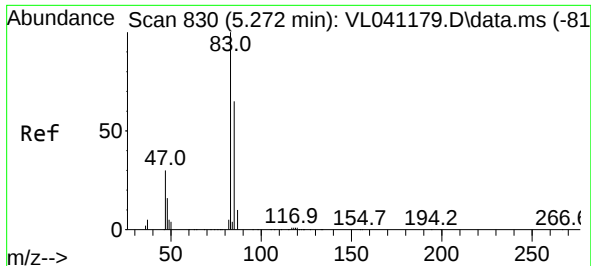
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#28
Methyl tert-Butyl Ether
Concen: 9.535 ppbv
RT: 4.603 min Scan# 622
Delta R.T. 0.003 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

Tgt Ion: 73 Resp: 625647
Ion Ratio Lower Upper
73 100
57 24.2 18.8 28.2





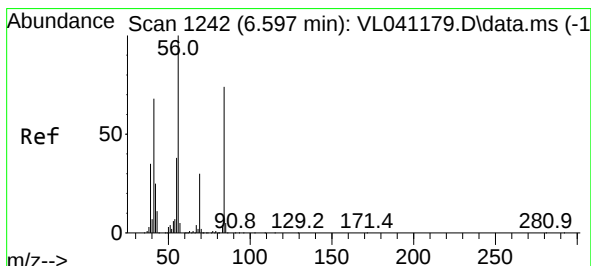
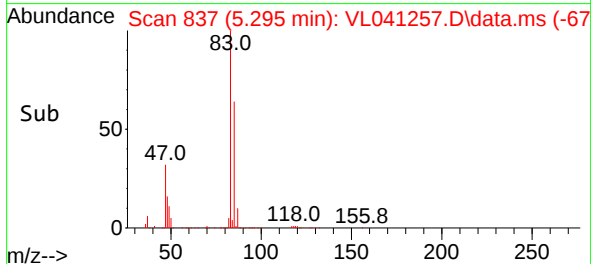
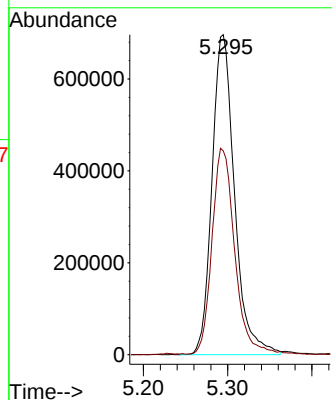
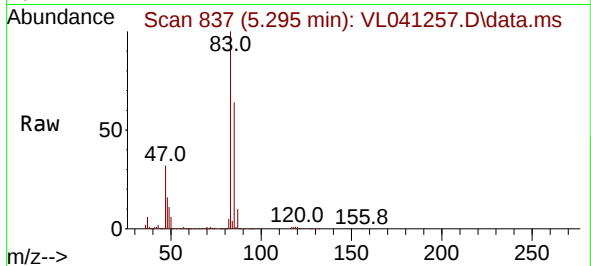
#29
Chloroform
Concen: 11.356 ppbv
RT: 5.295 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 129102
Ion Ratio Lower Upper
83 100
85 63.5 51.7 77.5

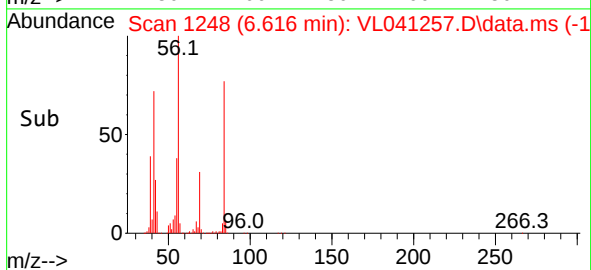
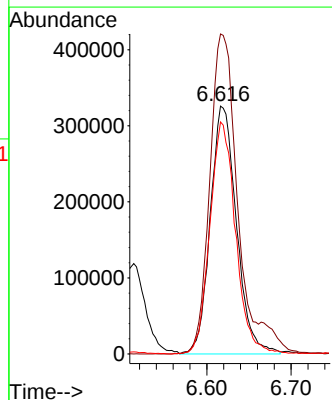
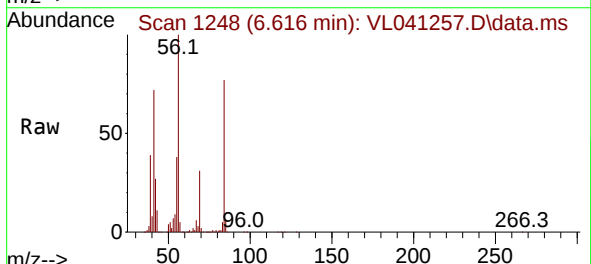
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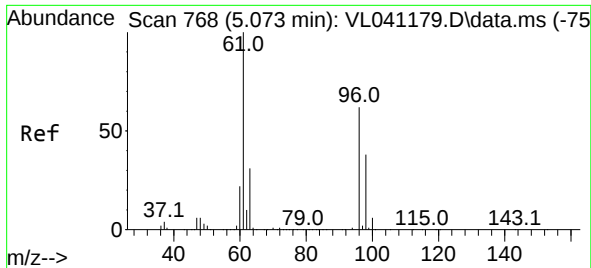
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#30
Cyclohexane
Concen: 10.791 ppbv
RT: 6.616 min Scan# 1248
Delta R.T. 0.000 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

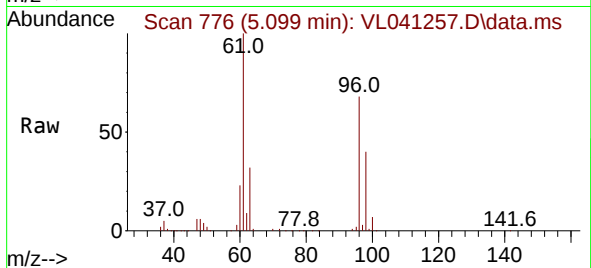
Tgt Ion: 84 Resp: 703941
Ion Ratio Lower Upper
84 100
56 139.6 116.8 175.2
41 92.2 73.8 110.8





#31
 cis-1,2-Dichloroethene
 Concen: 10.872 ppbv
 RT: 5.099 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL041257.D
 Acq: 9 May 2024 14:29

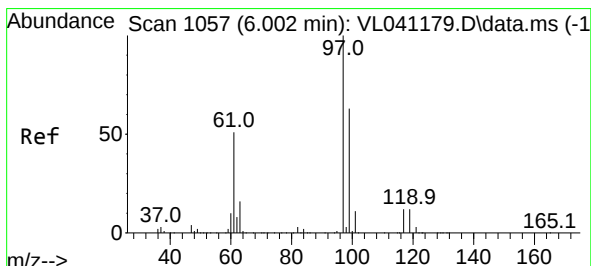
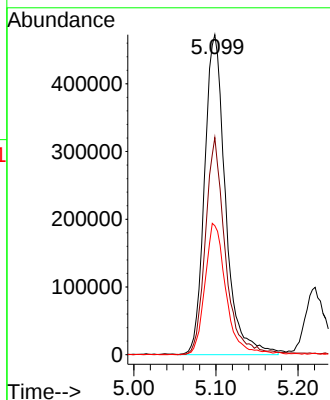
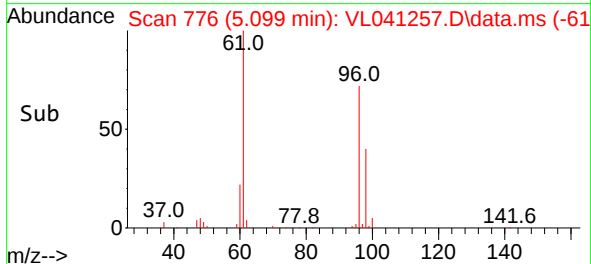
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



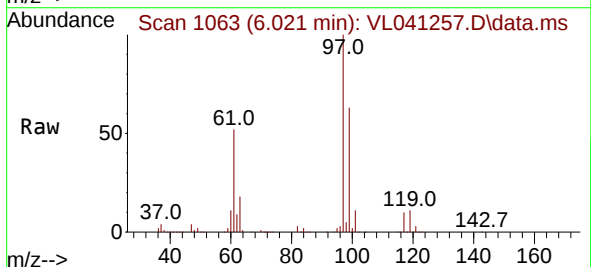
Tgt Ion: 61 Resp: 838780
 Ion Ratio Lower Upper
 61 100
 96 67.7 49.8 74.6
 98 40.3 30.0 45.0

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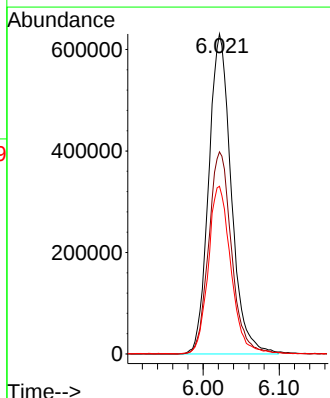
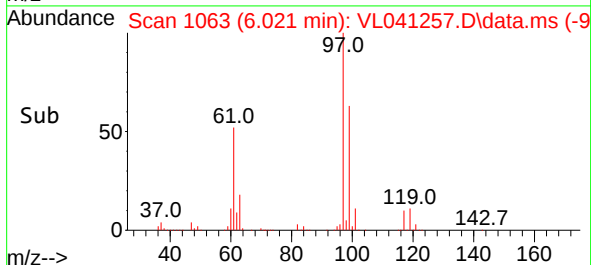
Reviewed By :Semsettin Yesilyurt 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024

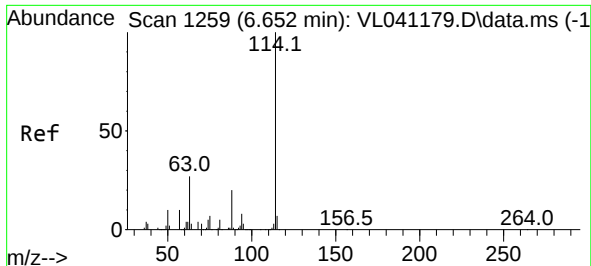


#32
 1,1,1-Trichloroethane
 Concen: 11.438 ppbv
 RT: 6.021 min Scan# 1063
 Delta R.T. 0.003 min
 Lab File: VL041257.D
 Acq: 9 May 2024 14:29



Tgt Ion: 97 Resp: 1297473
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.7 77.5
 61 52.6 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.671 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL041257.D

Acq: 9 May 2024 14:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:114 Resp: 207318

Ion Ratio Lower Upper

114 100

63 26.1 21.8 32.6

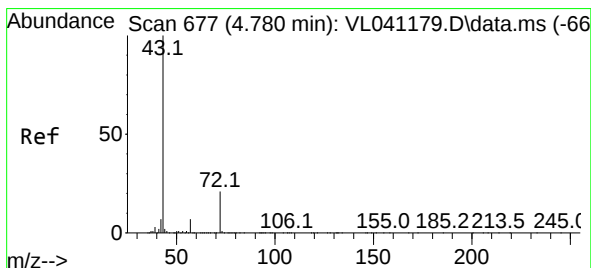
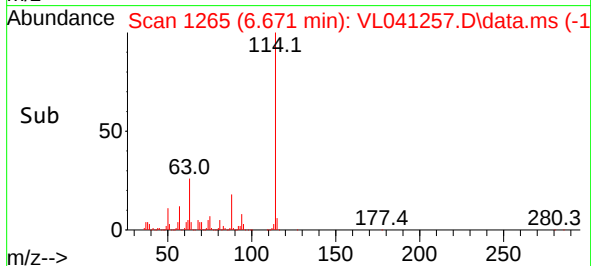
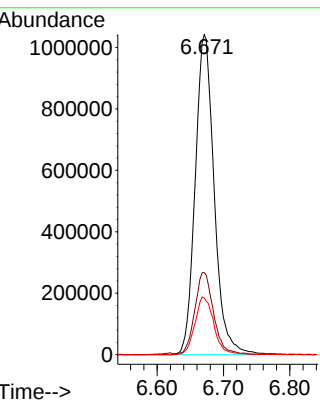
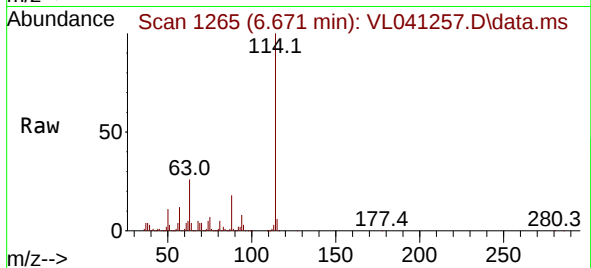
88 18.0 15.2 22.8

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Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#34

2-Butanone

Concen: 9.741 ppbv

RT: 4.806 min Scan# 685

Delta R.T. 0.007 min

Lab File: VL041257.D

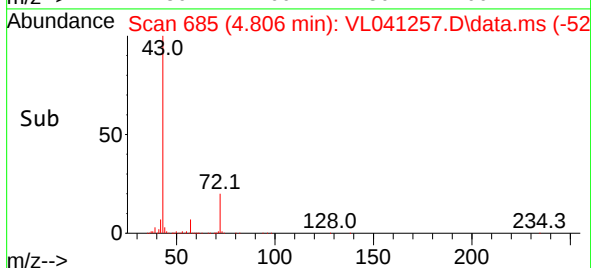
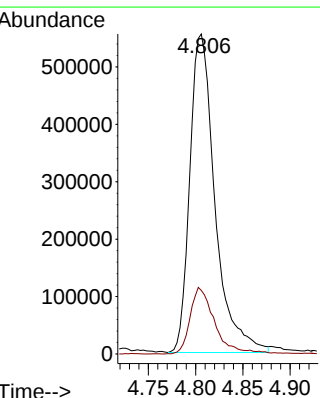
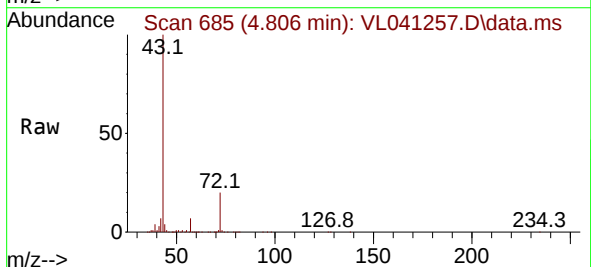
Acq: 9 May 2024 14:29

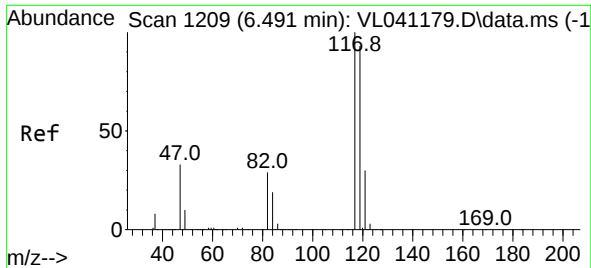
Tgt Ion: 43 Resp: 1027867

Ion Ratio Lower Upper

43 100

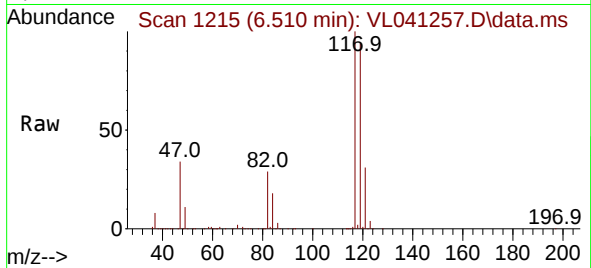
72 20.8 17.3 25.9





#35
Carbon Tetrachloride
Concen: 11.560 ppbv
RT: 6.510 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

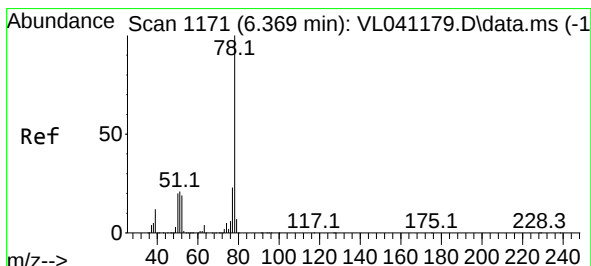
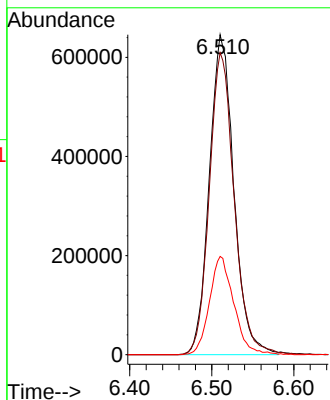
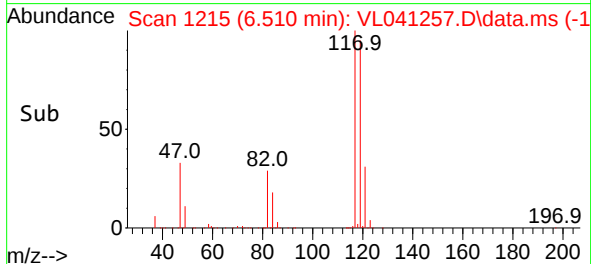
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion:117 Resp: 134496
Ion Ratio Lower Upper
117 100
119 94.4 74.3 111.5
121 30.7 23.8 35.8

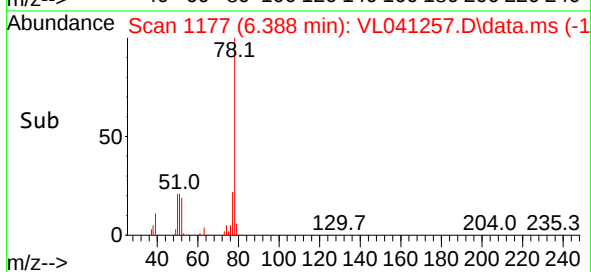
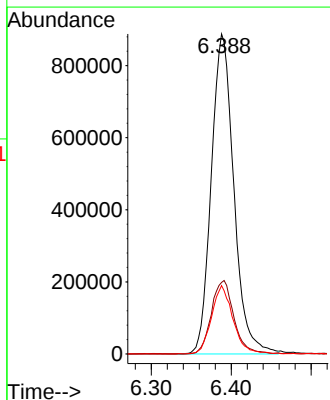
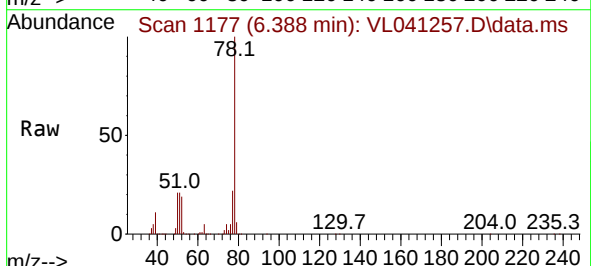
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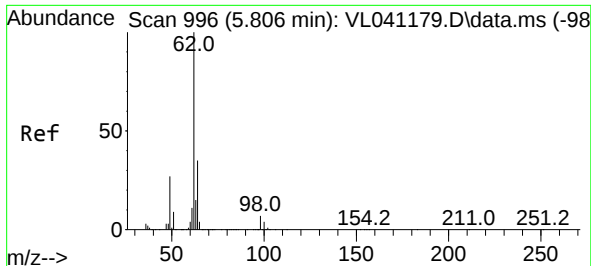
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#36
Benzene
Concen: 9.984 ppbv
RT: 6.388 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

Tgt Ion: 78 Resp: 1736944
Ion Ratio Lower Upper
78 100
77 22.3 18.3 27.5
50 21.3 15.9 23.9





#37

1,2-Dichloroethane

Concen: 11.384 ppbv

RT: 5.825 min Scan# 1002

Delta R.T. 0.003 min

Lab File: VL041257.D

Acq: 9 May 2024 14:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 103337

Ion Ratio Lower Upper

62 100

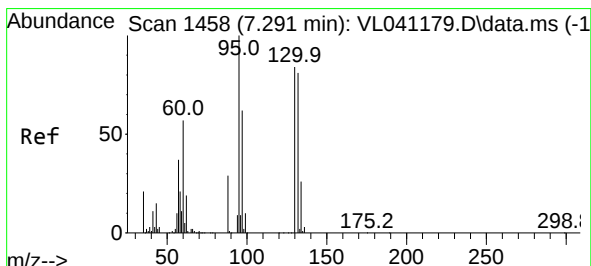
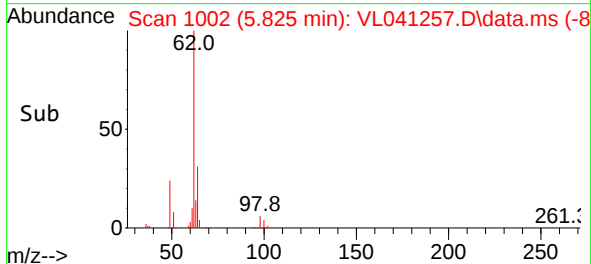
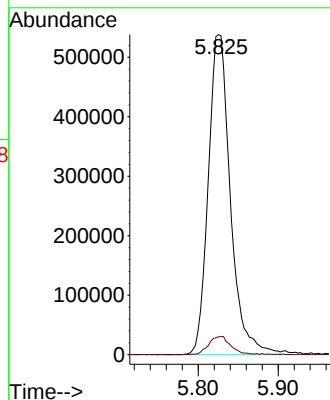
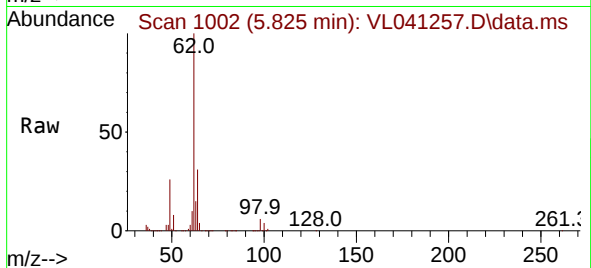
98 6.0 5.0 7.4

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Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#38

Trichloroethene

Concen: 10.854 ppbv

RT: 7.308 min Scan# 1463

Delta R.T. 0.000 min

Lab File: VL041257.D

Acq: 9 May 2024 14:29

Tgt Ion:130 Resp: 703706

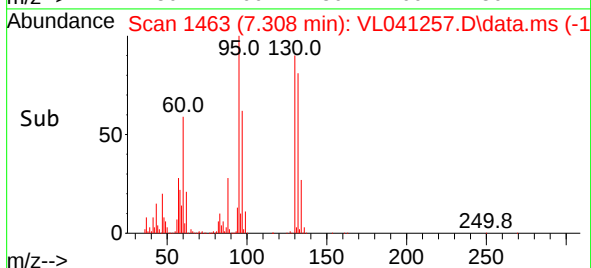
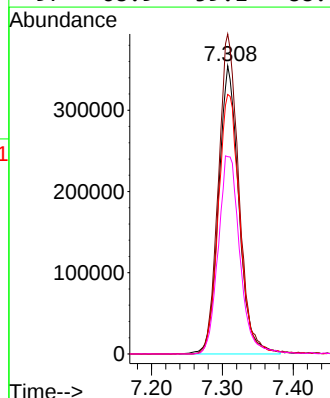
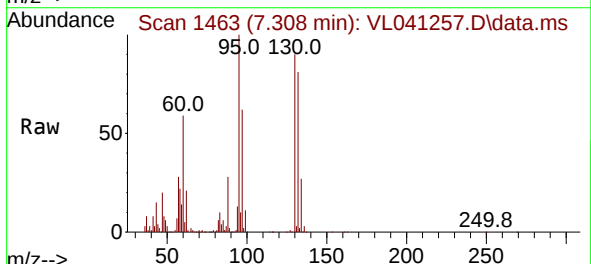
Ion Ratio Lower Upper

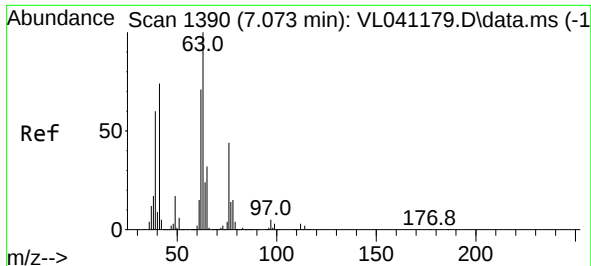
130 100

95 111.8 95.0 142.6

132 90.7 77.0 115.4

97 68.9 59.1 88.7





#39

1,2-Dichloropropane

Concen: 9.972 ppbv

RT: 7.089 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041257.D

Acq: 9 May 2024 14:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 63 Resp: 66858

Ion Ratio Lower Upper

63 100

41 82.6 59.4 89.0

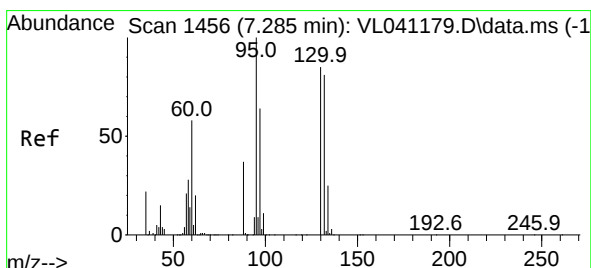
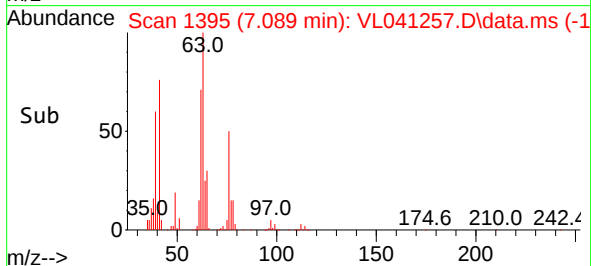
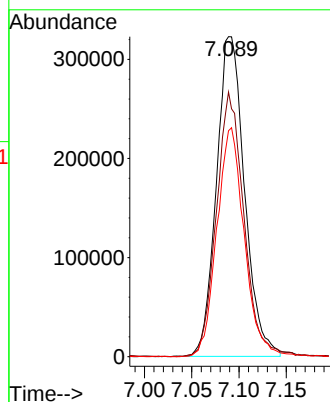
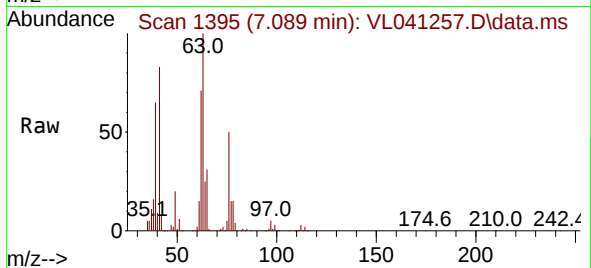
62 70.7 56.8 85.2

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Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#40

1,4-Dioxane

Concen: 11.362 ppbv

RT: 7.301 min Scan# 1461

Delta R.T. 0.003 min

Lab File: VL041257.D

Acq: 9 May 2024 14:29

Tgt Ion: 88 Resp: 272152

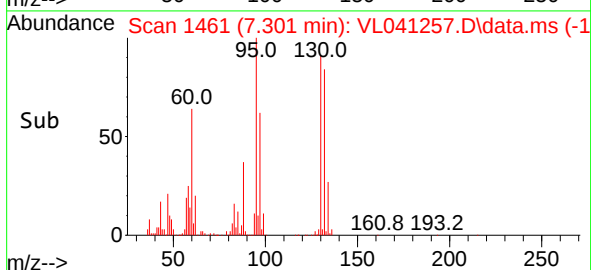
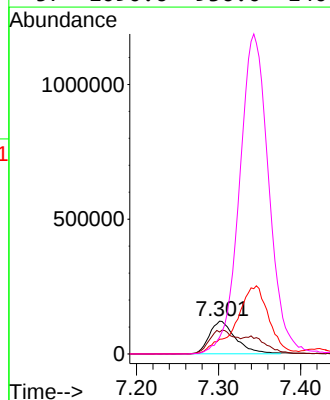
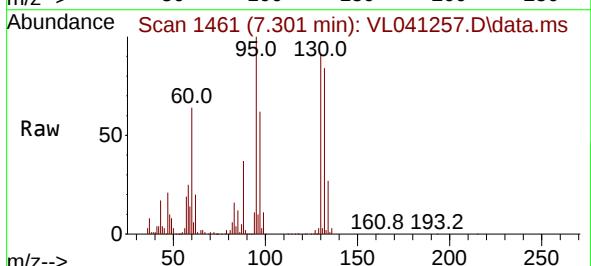
Ion Ratio Lower Upper

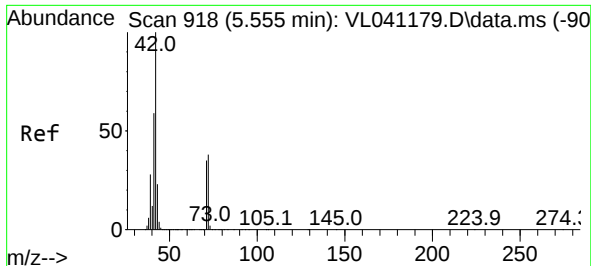
88 100

58 120.9 106.1 159.1

43 258.2 219.8 329.6

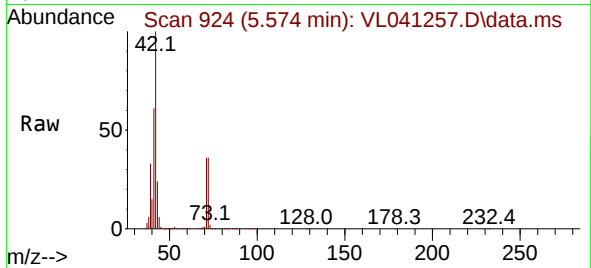
57 1090.6 936.0 1404.0





#41
Tetrahydrofuran
Concen: 9.524 ppbv
RT: 5.574 min Scan# 918
Delta R.T. 0.003 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

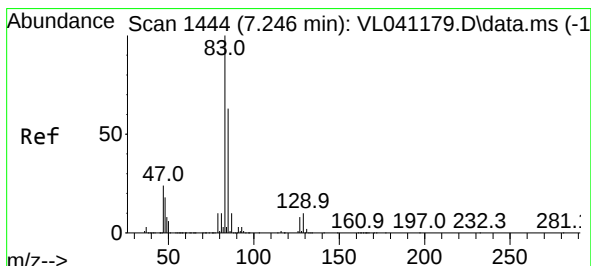
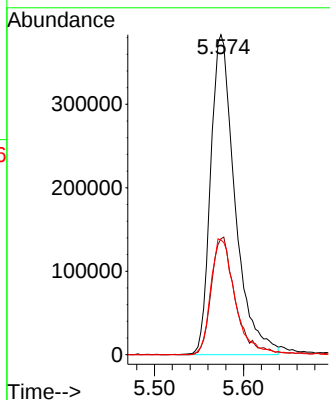
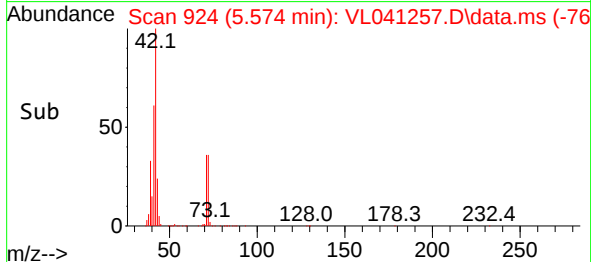
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



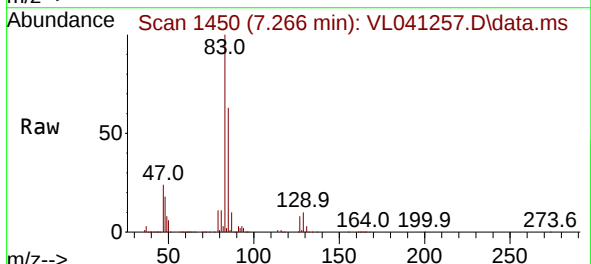
Tgt Ion: 42 Resp: 727530
Ion Ratio Lower Upper
42 100
72 36.8 29.4 44.0
71 36.9 29.1 43.7

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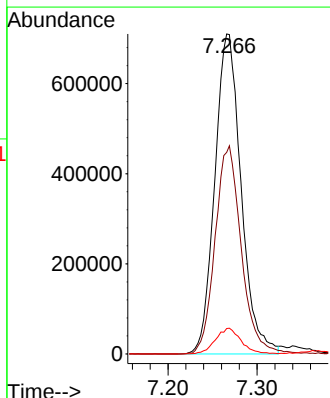
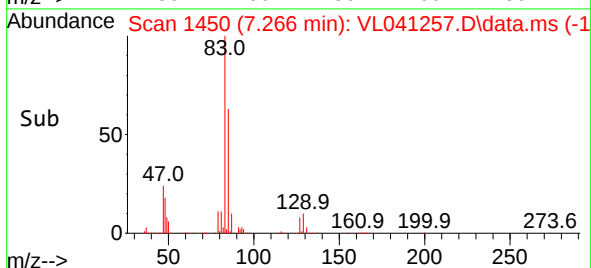
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

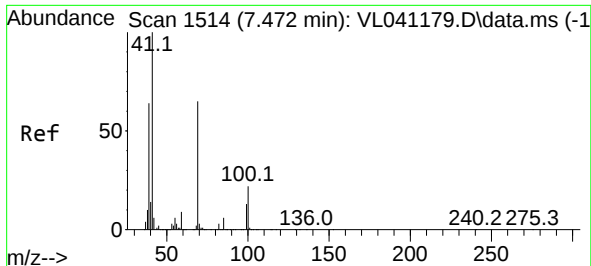


#42
Bromodichloromethane
Concen: 11.203 ppbv
RT: 7.266 min Scan# 1450
Delta R.T. 0.003 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29



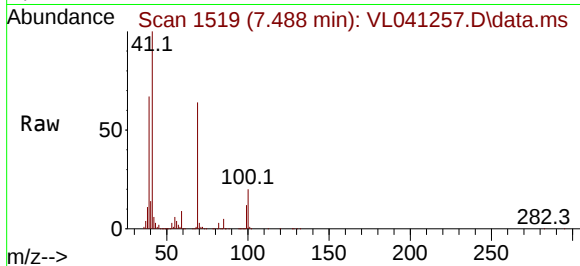
Tgt Ion: 83 Resp: 1458524
Ion Ratio Lower Upper
83 100
85 63.0 50.6 75.8
127 8.0 6.2 9.4





#43
Methyl Methacrylate
Concen: 9.941 ppbv
RT: 7.488 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

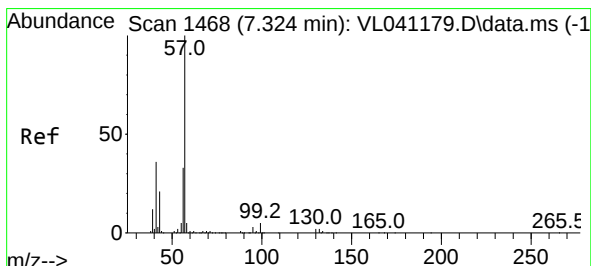
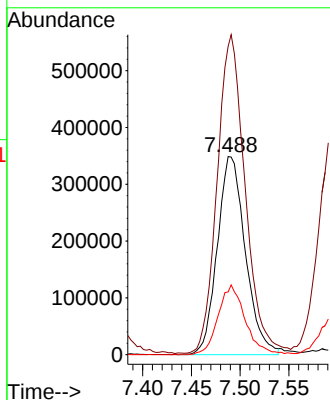
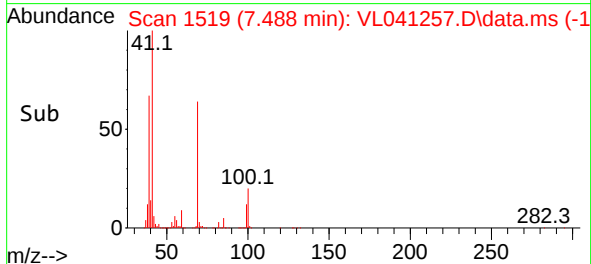
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 69 Resp: 69951
Ion Ratio Lower Upper
69 100
41 161.1 125.2 187.8
100 34.1 26.7 40.1

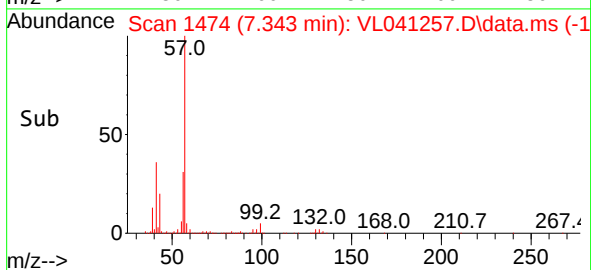
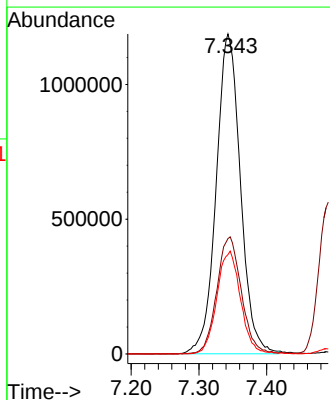
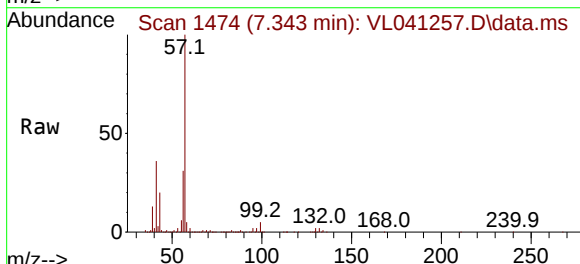
Manual Integrations
APPROVED

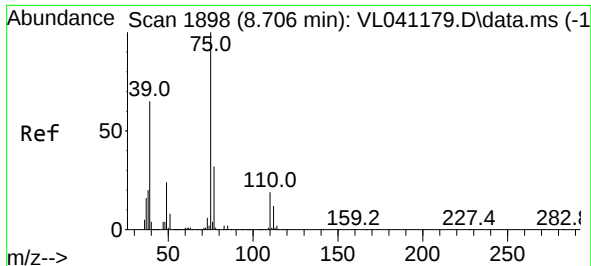
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#44
2,2,4-Trimethylpentane
Concen: 9.841 ppbv
RT: 7.343 min Scan# 1474
Delta R.T. 0.003 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

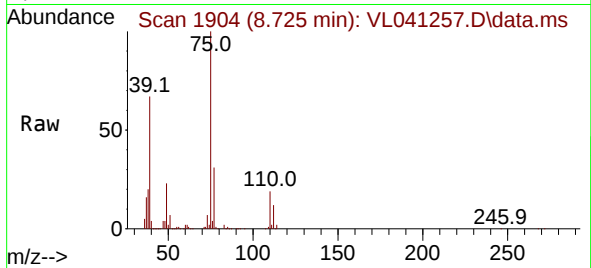
Tgt Ion: 57 Resp: 2951928
Ion Ratio Lower Upper
57 100
41 37.2 29.5 44.3
56 31.5 25.3 37.9





#45
t-1,3-Dichloropropene
Concen: 9.963 ppbv
RT: 8.725 min Scan# 1904
Delta R.T. 0.003 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

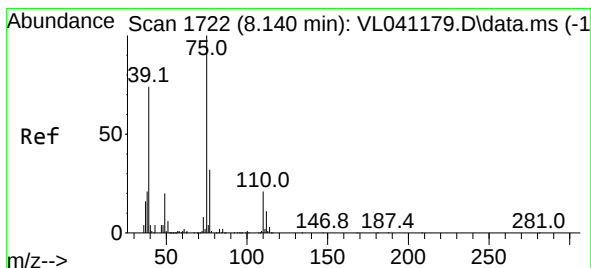
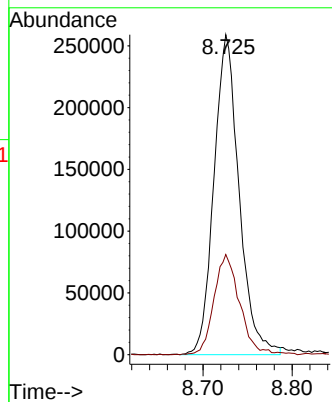
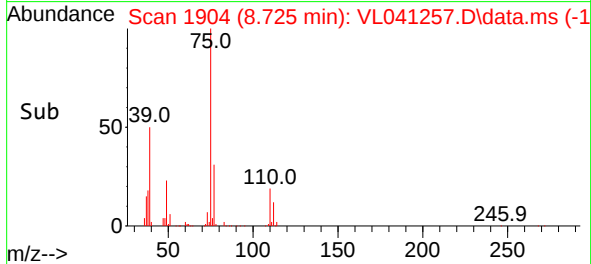
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 75 Resp: 50801
Ion Ratio Lower Upper
75 100
77 31.3 25.6 38.4

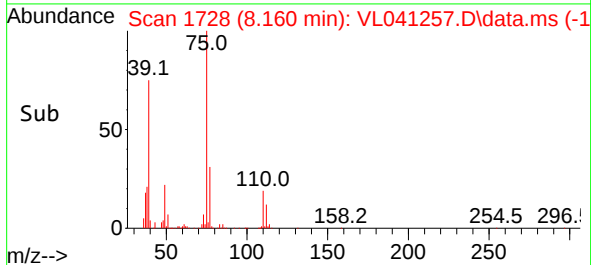
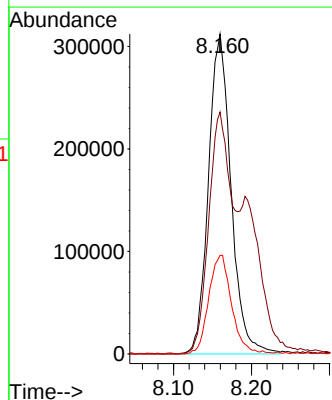
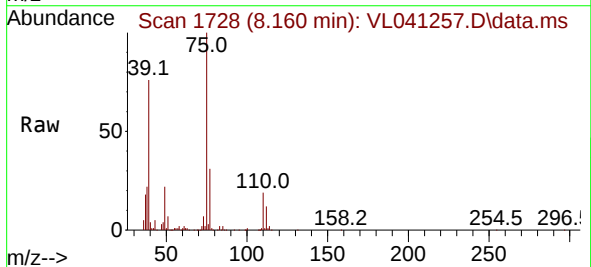
Manual Integrations
APPROVED

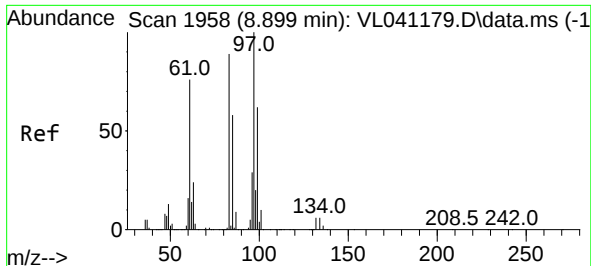
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#46
cis-1,3-Dichloropropene
Concen: 10.080 ppbv
RT: 8.160 min Scan# 1728
Delta R.T. 0.003 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

Tgt Ion: 75 Resp: 629272
Ion Ratio Lower Upper
75 100
39 75.5 59.4 89.2
77 30.8 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 10.791 ppbv

RT: 8.912 min Scan# 1958

Delta R.T. -0.003 min

Lab File: VL041257.D

Acq: 9 May 2024 14:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 724208

Ion Ratio Lower Upper

97 100

83 85.8 71.2 106.8

85 56.3 46.0 69.0

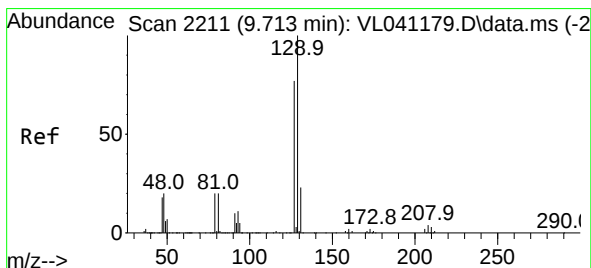
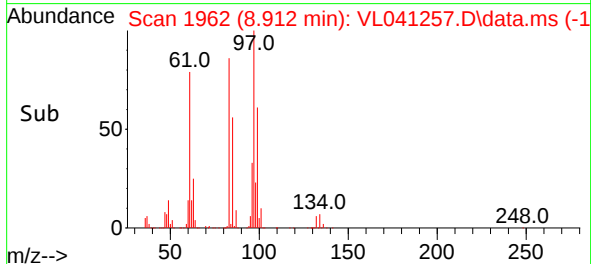
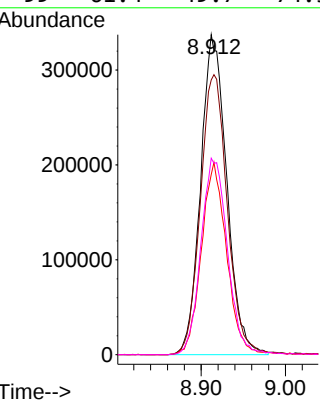
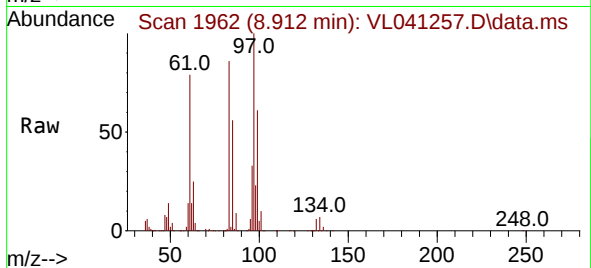
99 61.4 49.7 74.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#48

Dibromochloromethane

Concen: 11.533 ppbv

RT: 9.725 min Scan# 2215

Delta R.T. 0.000 min

Lab File: VL041257.D

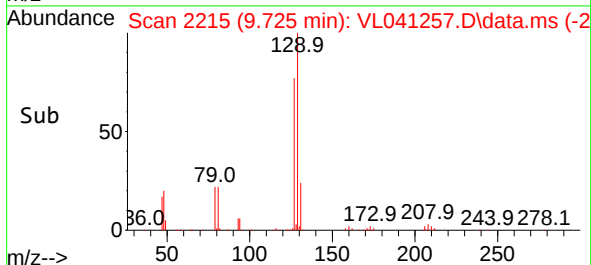
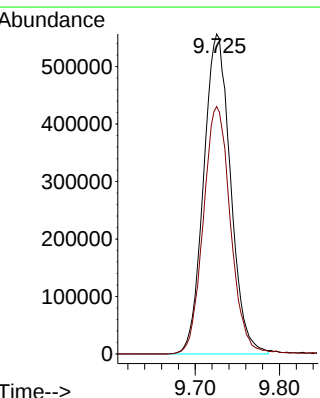
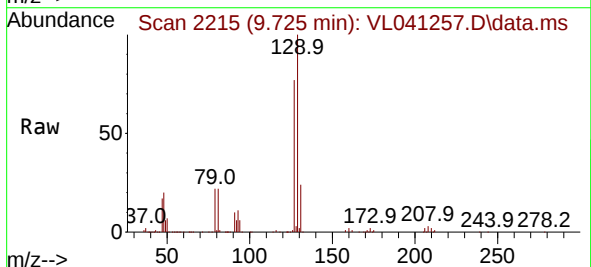
Acq: 9 May 2024 14:29

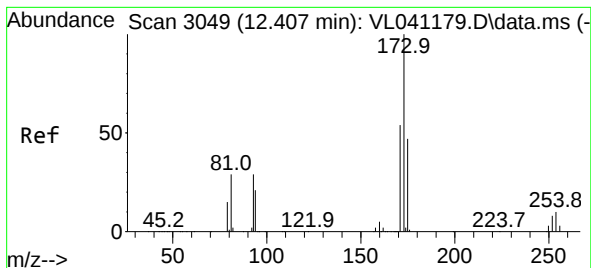
Tgt Ion:129 Resp: 1233210

Ion Ratio Lower Upper

129 100

127 78.6 39.1 117.5





#49

Bromoform

Concen: 11.218 ppbv

RT: 12.420 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VL041257.D

Acq: 9 May 2024 14:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:173 Resp: 102040

Ion Ratio Lower Upper

173 100

175 49.2 39.8 59.8

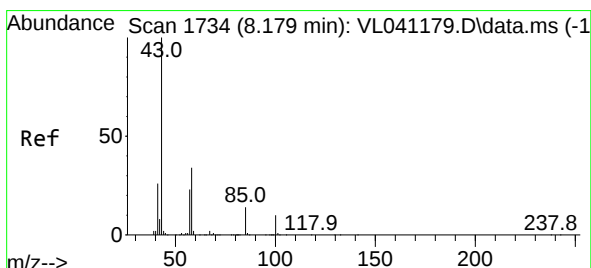
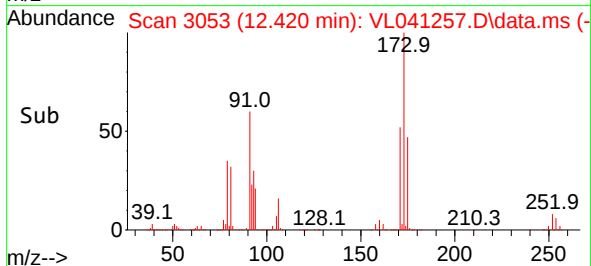
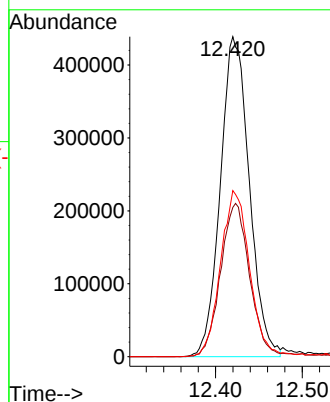
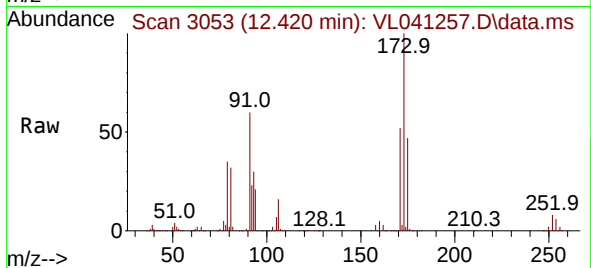
171 52.2 41.8 62.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#50

4-Methyl-2-Pentanone

Concen: 9.655 ppbv

RT: 8.195 min Scan# 1739

Delta R.T. 0.000 min

Lab File: VL041257.D

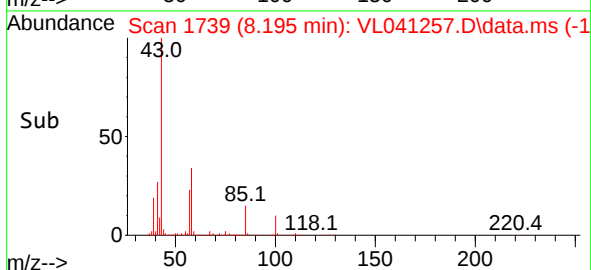
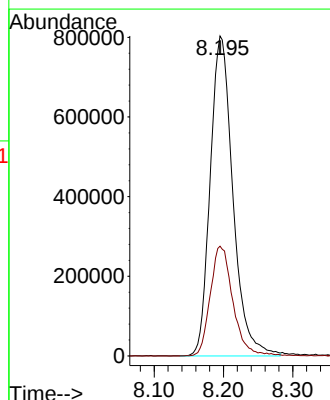
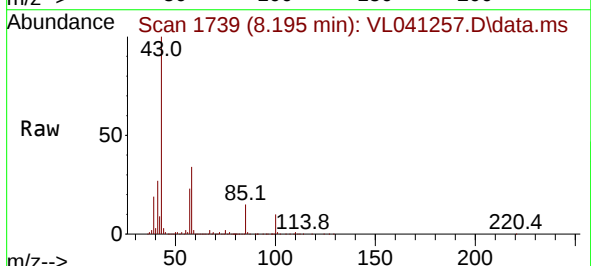
Acq: 9 May 2024 14:29

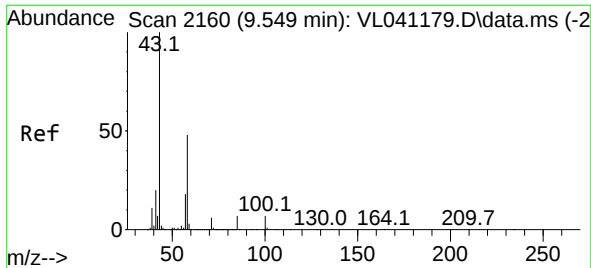
Tgt Ion: 43 Resp: 1828381

Ion Ratio Lower Upper

43 100

58 34.4 27.7 41.5





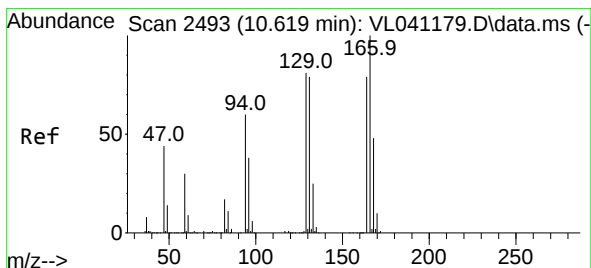
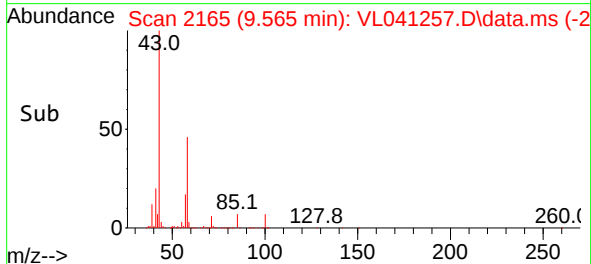
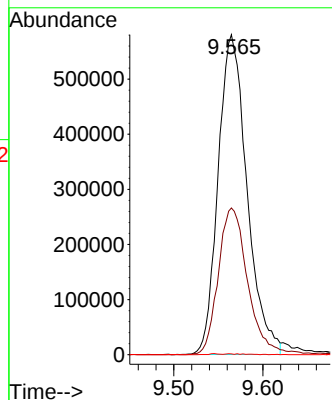
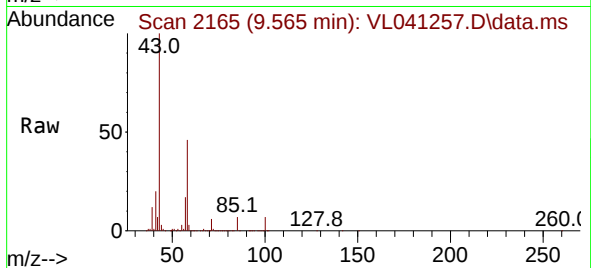
#51
2-Hexanone
Concen: 9.304 ppbv
RT: 9.565 min Scan# 2160
Delta R.T. 0.000 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1306850
Ion Ratio Lower Upper
43 100
58 47.5 38.4 57.6
98 0.3 0.0 0.0

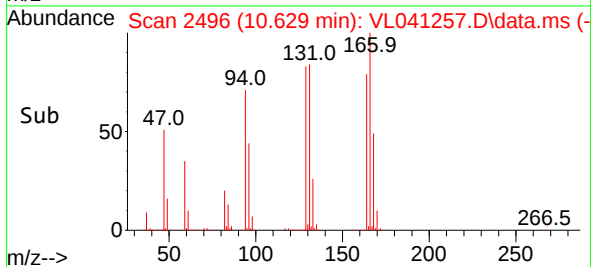
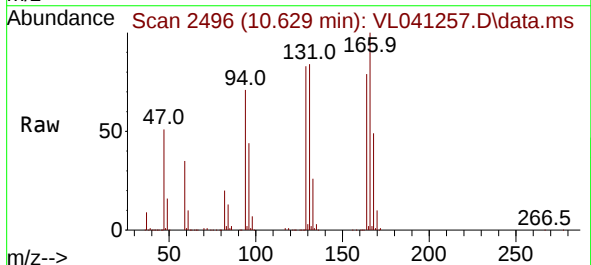
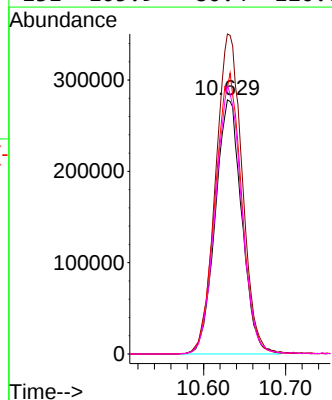
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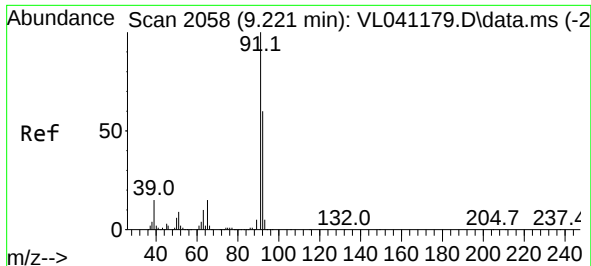
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#52
Tetrachloroethene
Concen: 10.186 ppbv
RT: 10.629 min Scan# 2496
Delta R.T. 0.000 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

Tgt Ion:164 Resp: 622874
Ion Ratio Lower Upper
164 100
166 125.8 101.1 151.7
129 104.8 81.7 122.5
131 105.9 80.4 120.6





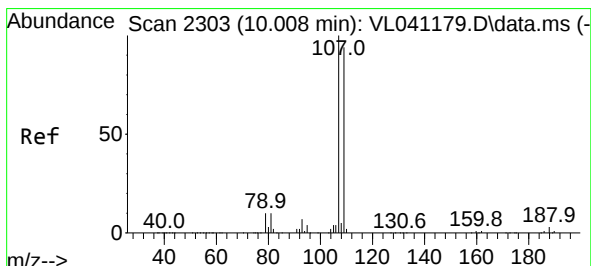
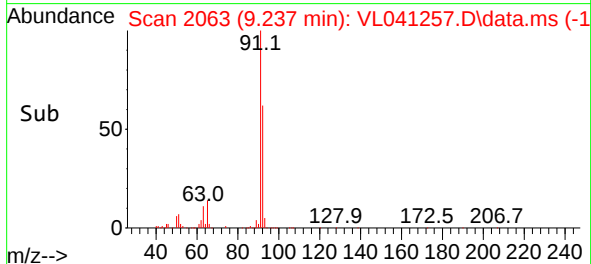
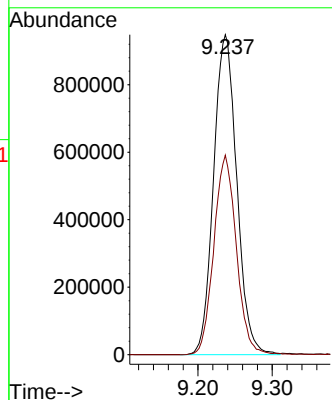
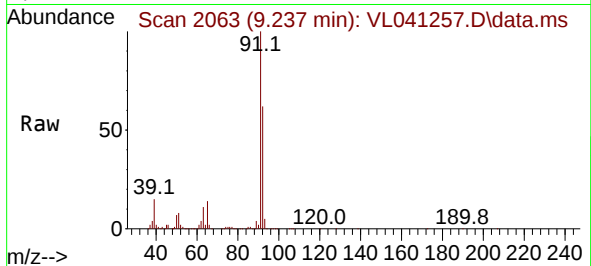
#53
Toluene
Concen: 10.201 ppbv
RT: 9.237 min Scan# 2058
Delta R.T. 0.003 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 205784
Ion Ratio Lower Upper
91 100
92 60.6 48.2 72.4

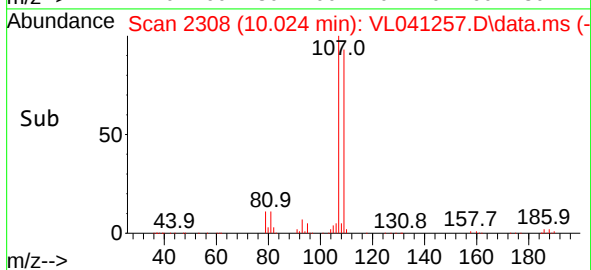
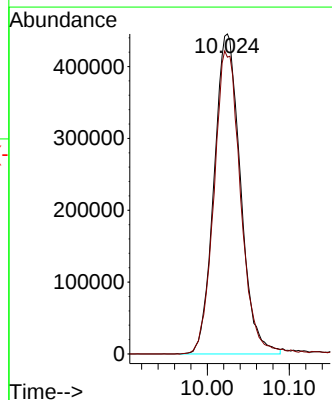
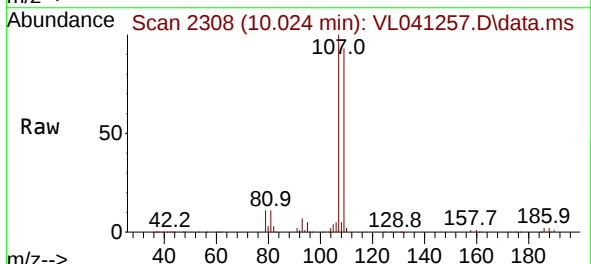
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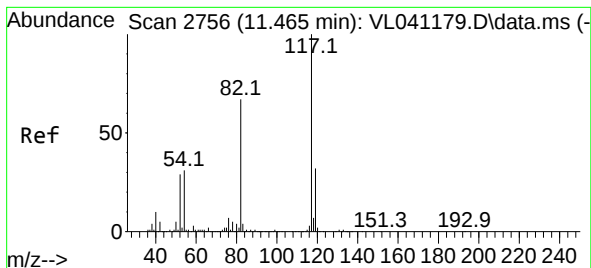
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#54
1,2-Dibromoethane
Concen: 10.963 ppbv
RT: 10.024 min Scan# 2308
Delta R.T. 0.003 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

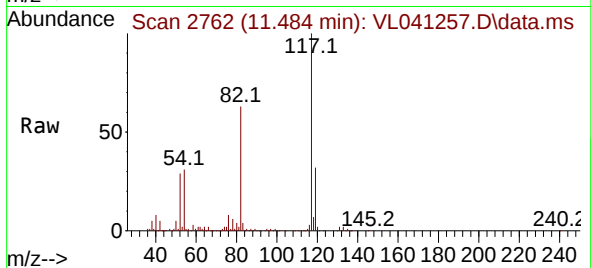
Tgt Ion:107 Resp: 996518
Ion Ratio Lower Upper
107 100
109 92.8 75.2 112.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

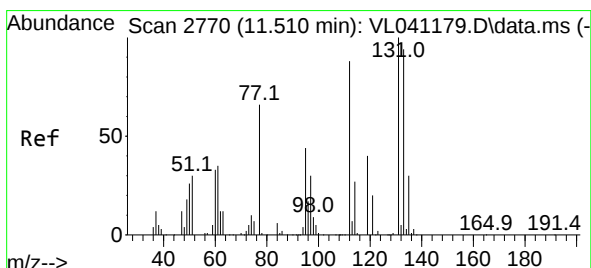
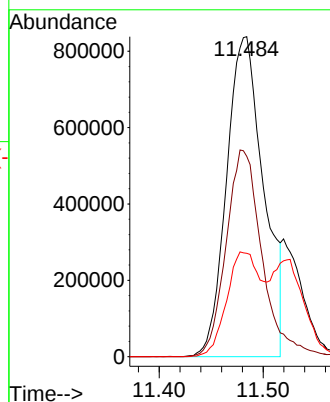
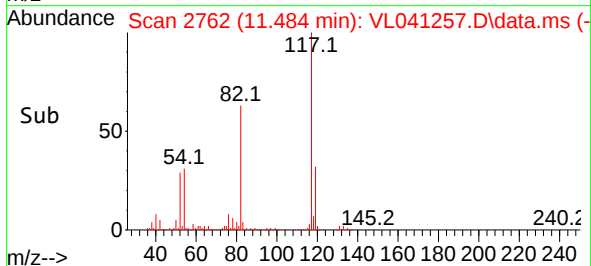
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



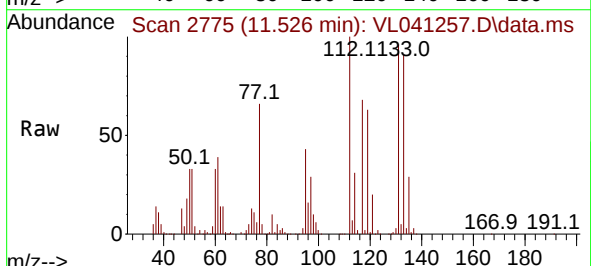
Tgt Ion:117 Resp: 208006
Ion Ratio Lower Upper
117 100
82 63.0 53.6 80.4
119 32.5 27.2 40.8

Manual Integrations
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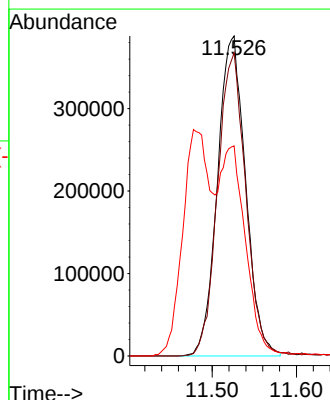
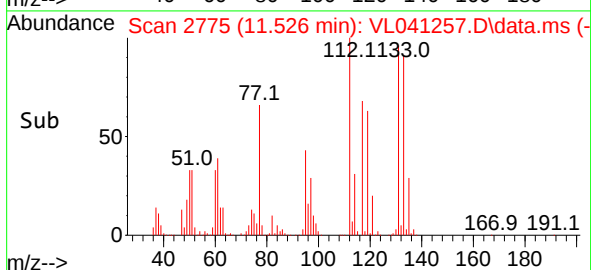
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

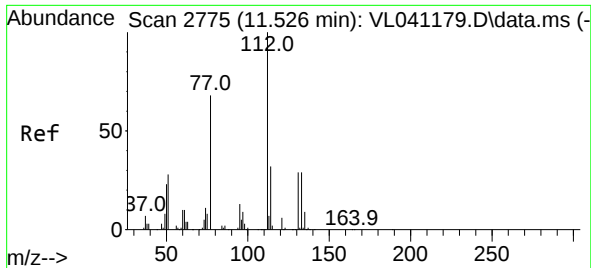


#56
1,1,1,2-Tetrachloroethane
Concen: 10.640 ppbv
RT: 11.526 min Scan# 2775
Delta R.T. 0.003 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29



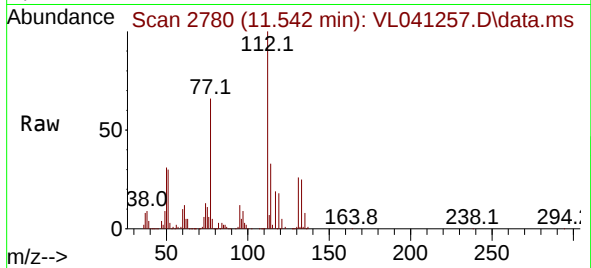
Tgt Ion:131 Resp: 897406
Ion Ratio Lower Upper
131 100
133 95.6 76.3 114.5
119 57.3 49.4 74.2





#57
Chlorobenzene
Concen: 10.065 ppbv
RT: 11.542 min Scan# 211
Delta R.T. 0.000 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

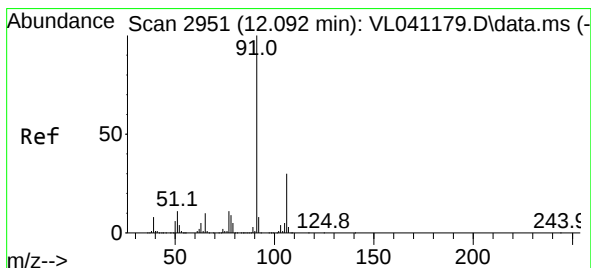
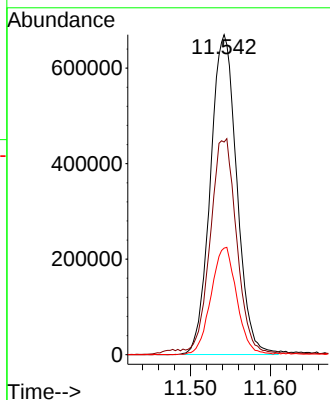
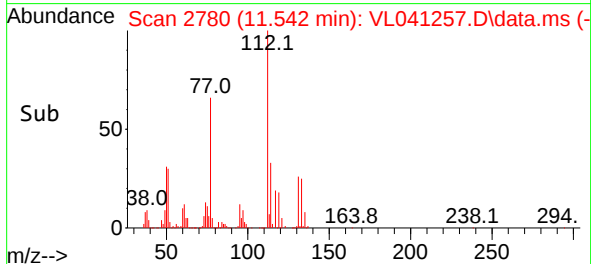
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



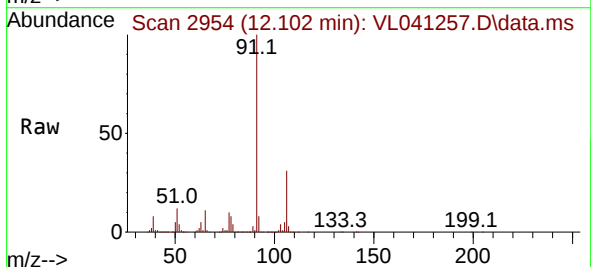
Tgt Ion:112 Resp: 1533228
Ion Ratio Lower Upper
112 100
77 65.6 54.9 82.3
114 33.2 28.7 35.1

Manual Integrations
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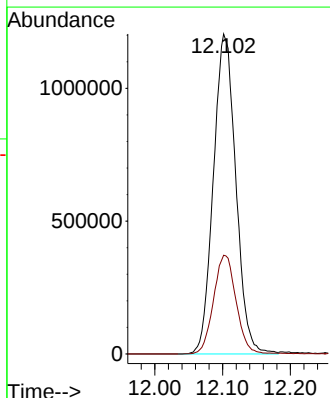
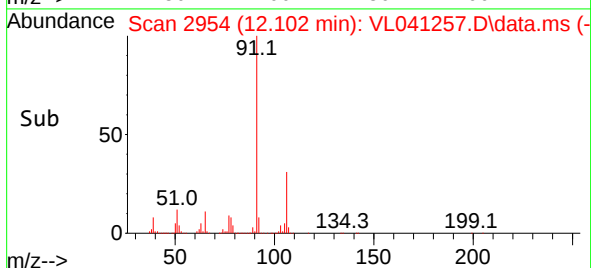
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

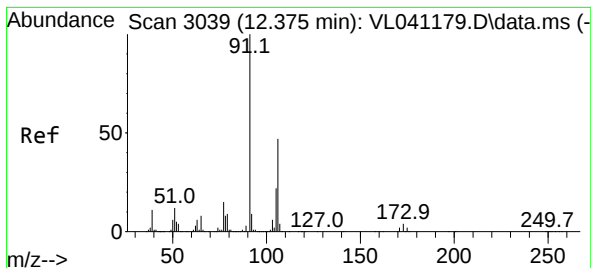


#58
Ethyl Benzene
Concen: 9.718 ppbv
RT: 12.102 min Scan# 2954
Delta R.T. 0.000 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29



Tgt Ion: 91 Resp: 2771771
Ion Ratio Lower Upper
91 100
106 30.9 24.3 36.5





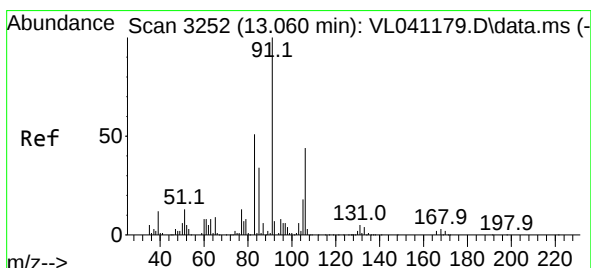
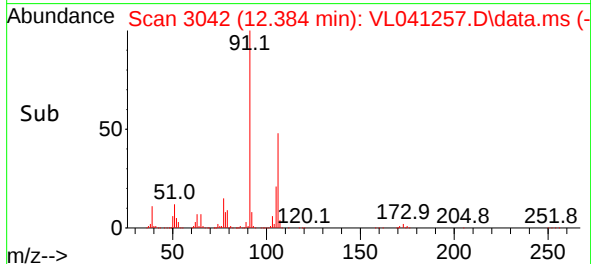
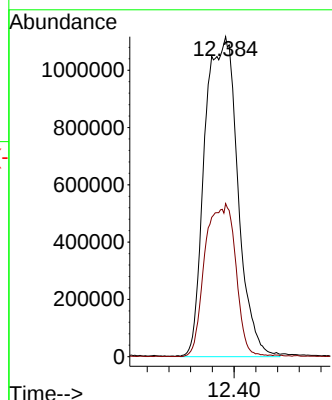
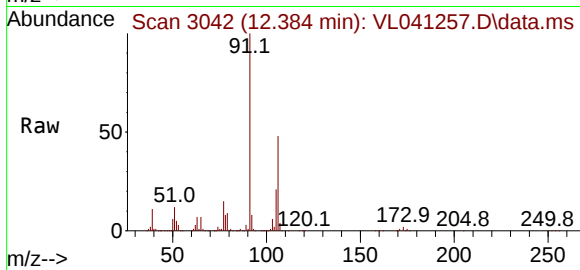
#59
m/p-Xylene
Concen: 19.603 ppbv m
RT: 12.384 min Scan# 3039
Delta R.T. 0.000 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 4699238
Ion Ratio Lower Upper
91 100
106 44.5 35.7 53.5

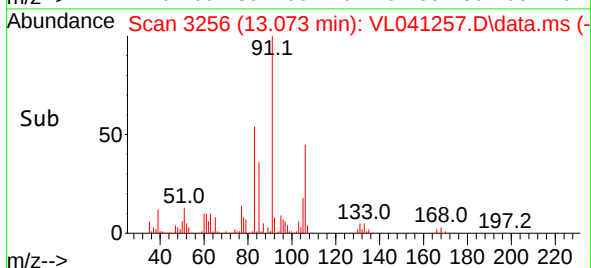
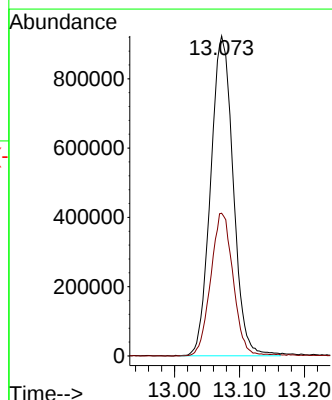
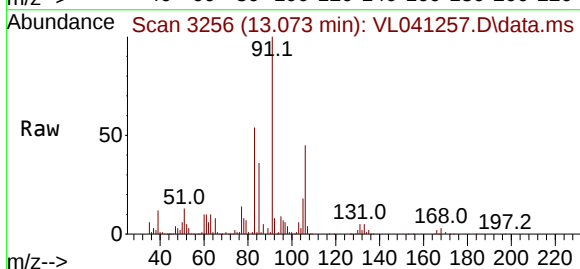
Manual Integrations
APPROVED

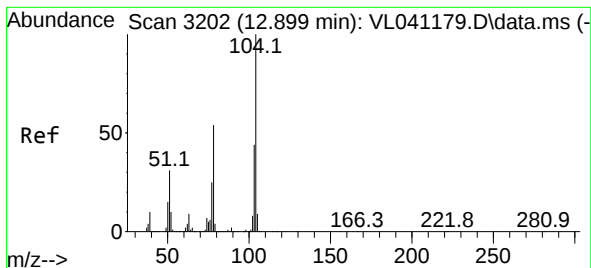
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#60
o-Xylene
Concen: 9.929 ppbv
RT: 13.073 min Scan# 3256
Delta R.T. 0.003 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

Tgt Ion: 91 Resp: 2231099
Ion Ratio Lower Upper
91 100
106 45.0 22.4 67.3





#61

Styrene

Concen: 10.105 ppbv

RT: 12.912 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041257.D

Acq: 9 May 2024 14:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:104 Resp: 1199484

Ion Ratio Lower Upper

104 100

78 51.4 42.6 63.8

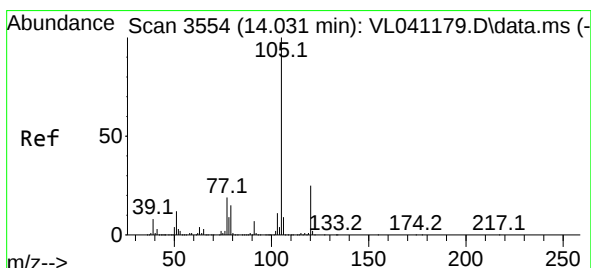
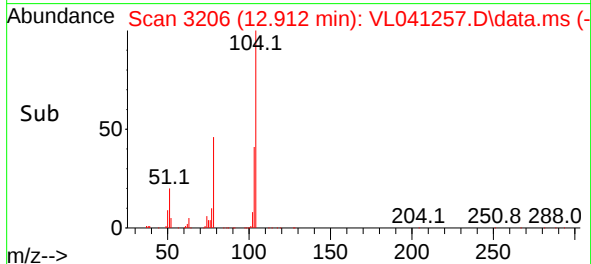
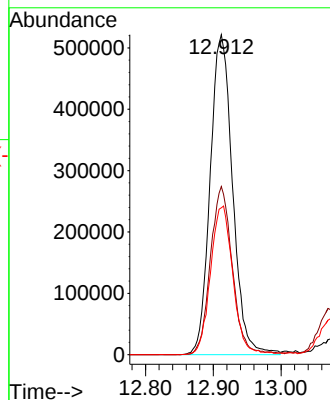
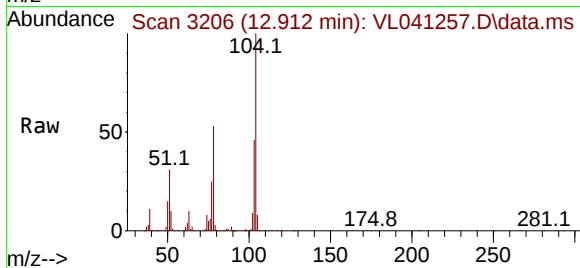
103 46.6 38.4 57.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#62

Isopropylbenzene

Concen: 9.837 ppbv

RT: 14.044 min Scan# 3558

Delta R.T. 0.000 min

Lab File: VL041257.D

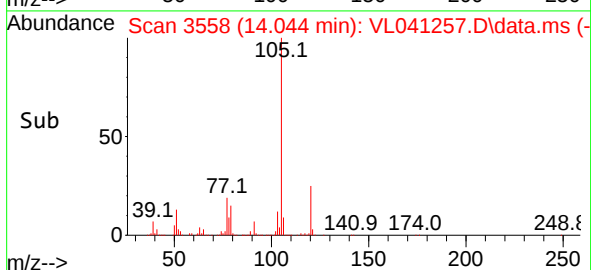
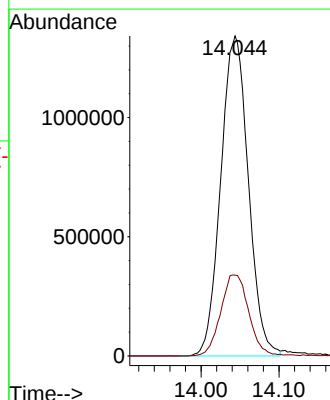
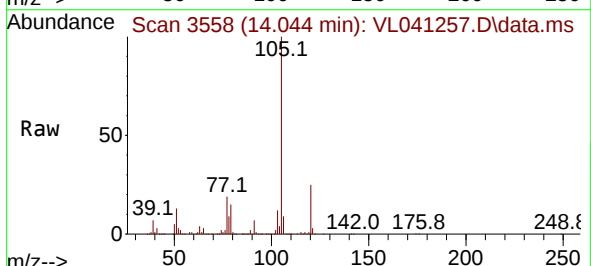
Acq: 9 May 2024 14:29

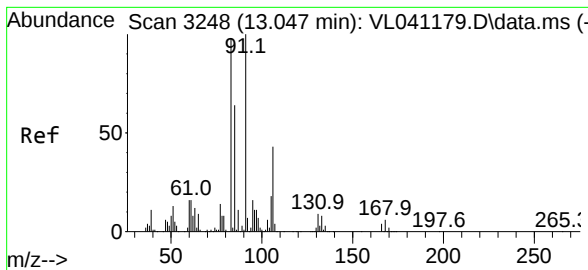
Tgt Ion:105 Resp: 3306223

Ion Ratio Lower Upper

105 100

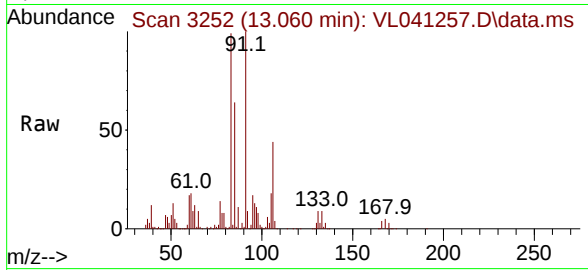
120 26.0 20.2 30.2





#63
1,1,2,2-Tetrachloroethane
Concen: 10.125 ppbv
RT: 13.060 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

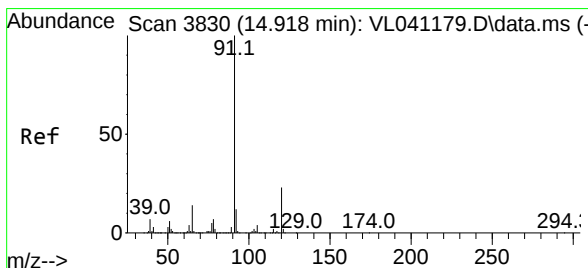
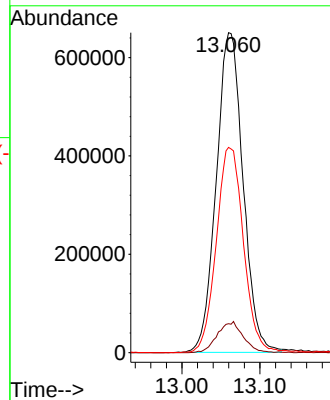
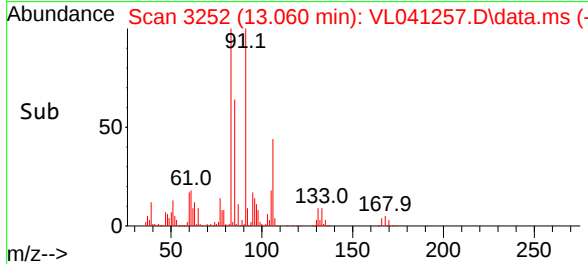
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



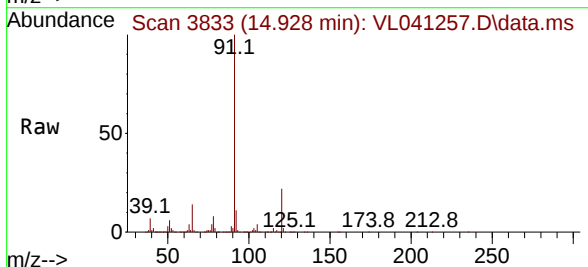
Tgt Ion: 83 Resp: 155074
Ion Ratio Lower Upper
83 100
131 9.5 4.5 13.5
85 65.8 32.7 98.1

Manual Integrations
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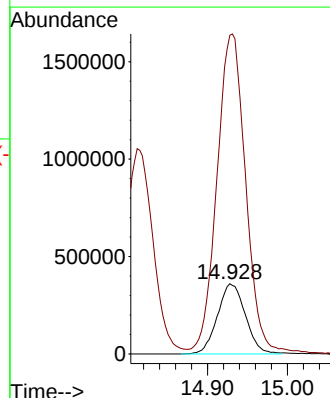
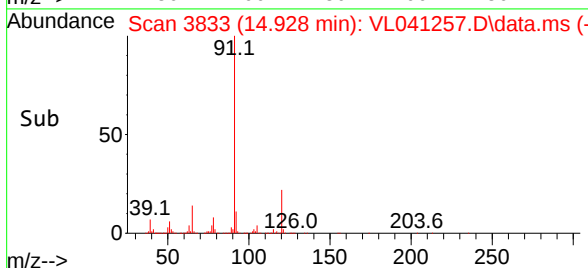
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

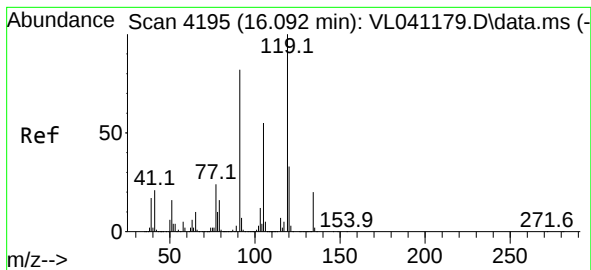


#64
n-propylbenzene
Concen: 10.409 ppbv
RT: 14.928 min Scan# 3833
Delta R.T. -0.003 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29



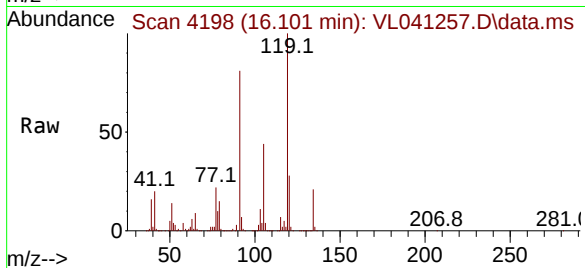
Tgt Ion:120 Resp: 872782
Ion Ratio Lower Upper
120 100
91 474.3 384.8 577.2





#65
tert-Butylbenzene
Concen: 9.791 ppbv
RT: 16.101 min Scan# 4195
Delta R.T. 0.000 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

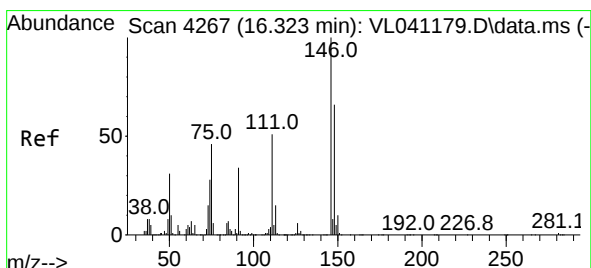
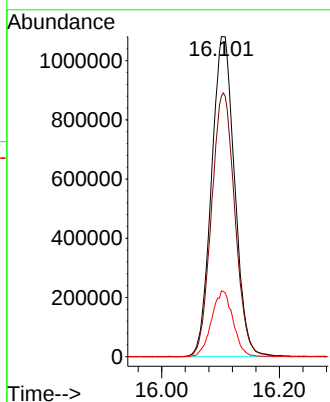
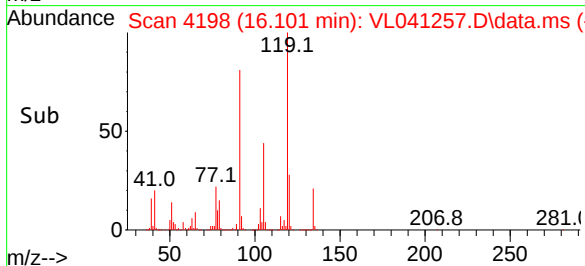
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion:119 Resp: 2947530
Ion Ratio Lower Upper
119 100
91 83.5 67.0 100.4
134 19.2 15.2 22.8

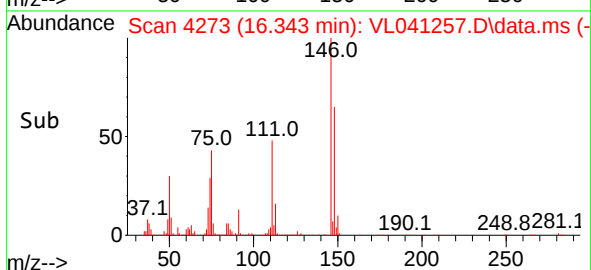
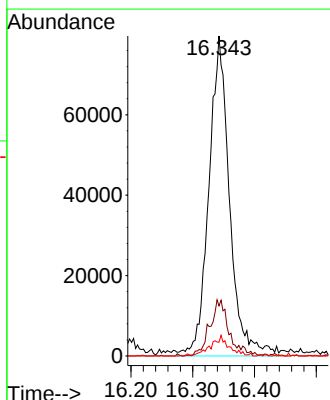
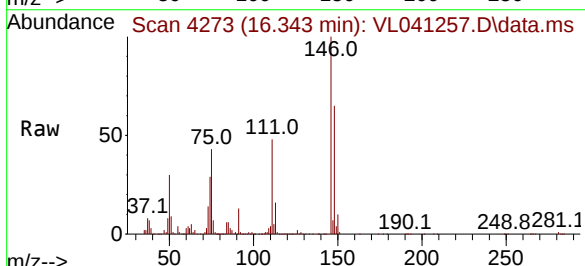
Manual Integrations
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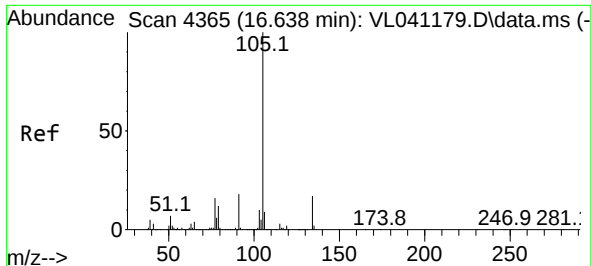
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#66
Benzyl Chloride
Concen: 5.460 ppbv m
RT: 16.343 min Scan# 4273
Delta R.T. -0.003 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

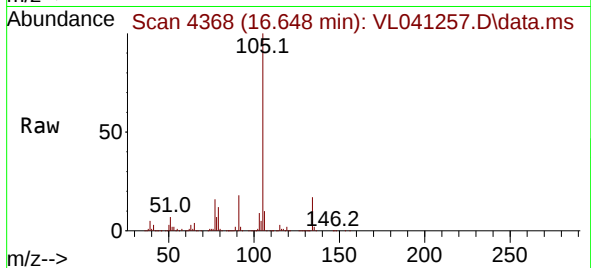
Tgt Ion: 91 Resp: 186047
Ion Ratio Lower Upper
91 100
126 16.7 14.6 21.8
128 5.6 4.7 7.1





#67
 sec-Butylbenzene
 Concen: 9.802 ppbv
 RT: 16.648 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041257.D
 Acq: 9 May 2024 14:29

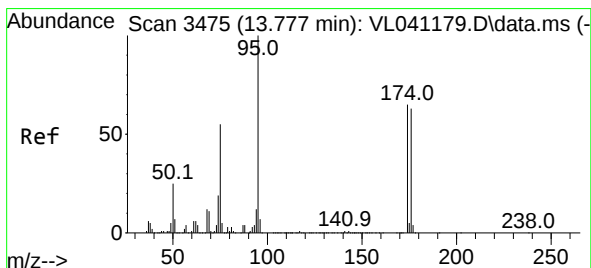
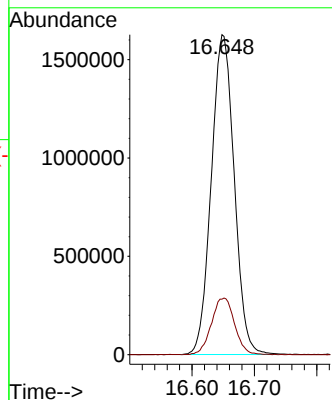
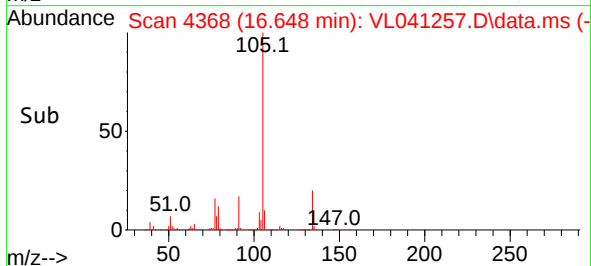
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



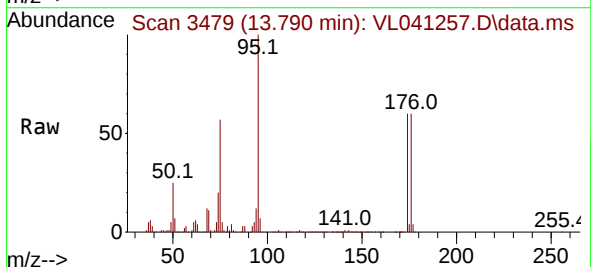
Tgt Ion:105 Resp: 415371
 Ion Ratio Lower Upper
 105 100
 134 18.0 13.8 20.8

Manual Integrations
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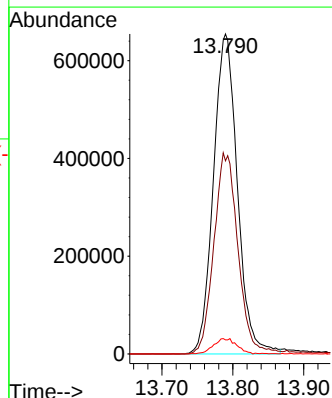
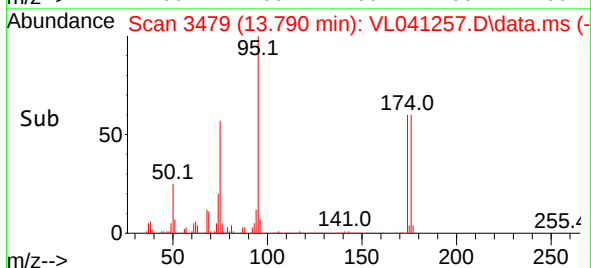
Reviewed By :Semsettin Yesilyurt 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024

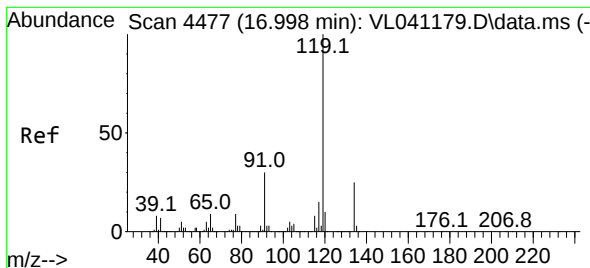


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.803 ppbv
 RT: 13.790 min Scan# 3479
 Delta R.T. 0.003 min
 Lab File: VL041257.D
 Acq: 9 May 2024 14:29



Tgt Ion: 95 Resp: 1539330
 Ion Ratio Lower Upper
 95 100
 174 64.3 53.6 80.4
 175 4.8 4.2 6.4





#69

p-Isopropyltoluene

Concen: 9.883 ppbv

RT: 17.008 min Scan# 4477

Delta R.T. 0.000 min

Lab File: VL041257.D

Acq: 9 May 2024 14:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:119 Resp: 345122

Ion Ratio Lower Upper

119 100

134 25.3 20.1 30.1

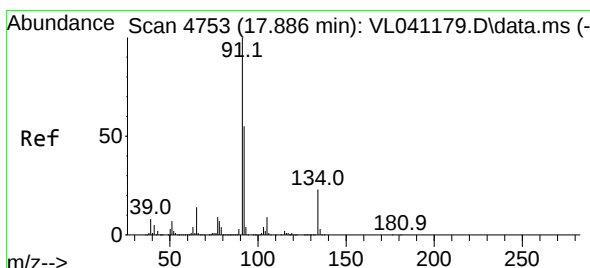
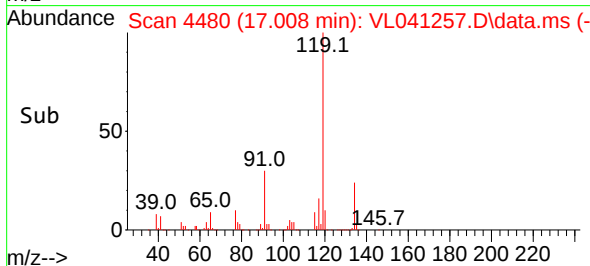
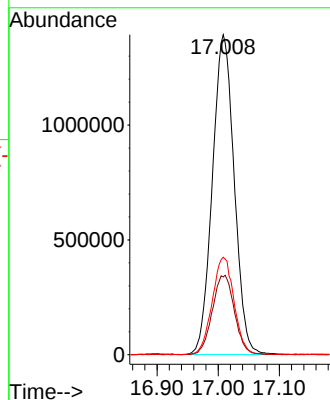
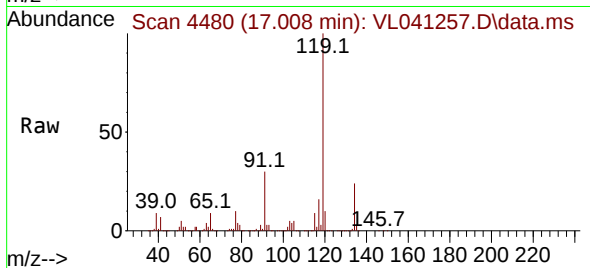
91 30.6 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#70

n-Butylbenzene

Concen: 9.972 ppbv

RT: 17.899 min Scan# 4757

Delta R.T. 0.000 min

Lab File: VL041257.D

Acq: 9 May 2024 14:29

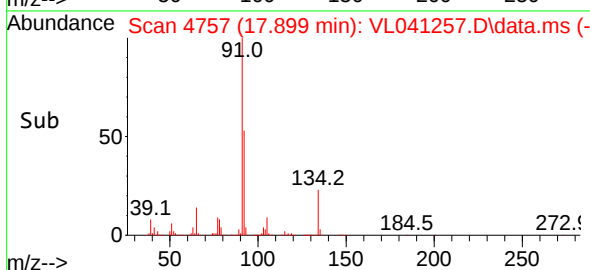
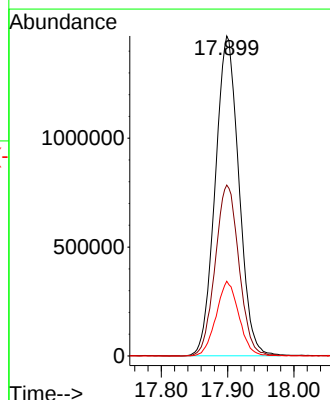
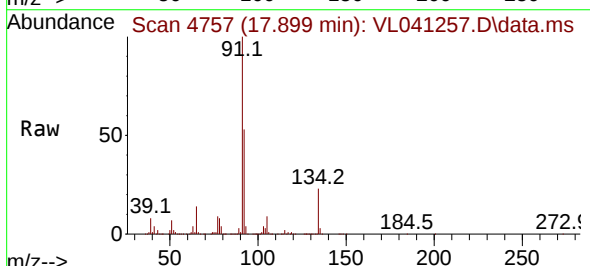
Tgt Ion: 91 Resp: 3636860

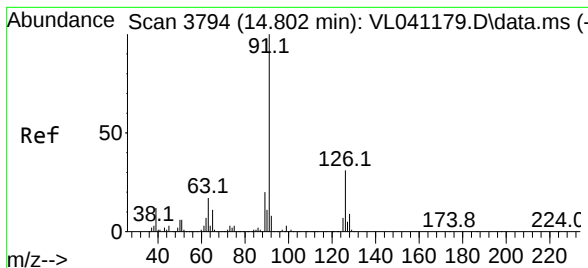
Ion Ratio Lower Upper

91 100

92 53.9 43.3 64.9

134 22.6 17.8 26.8





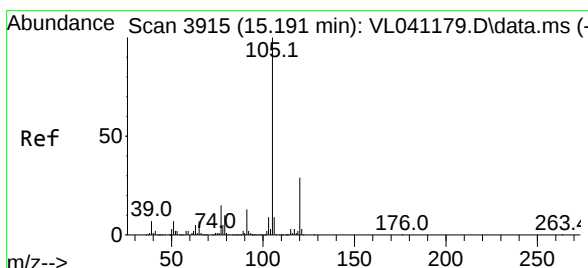
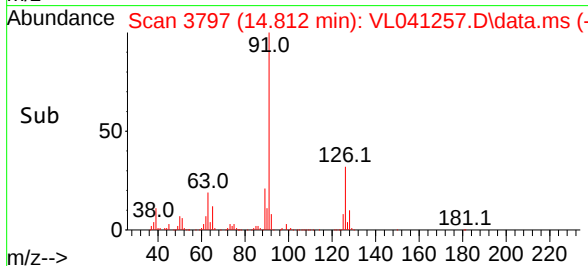
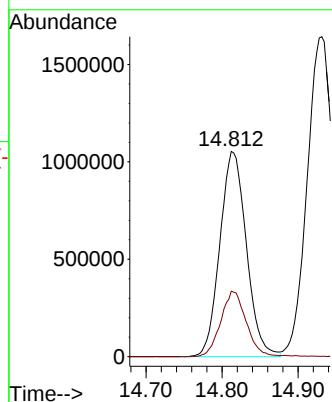
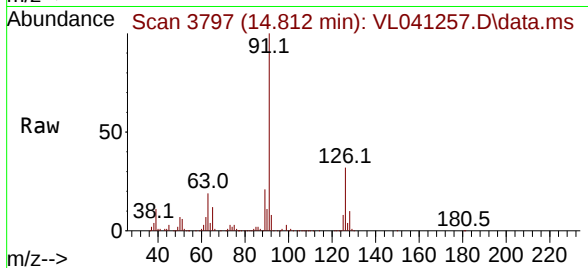
#71
2-Chlorotoluene
Concen: 9.981 ppbv
RT: 14.812 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 255420
Ion Ratio Lower Upper
91 100
126 31.2 12.2 48.8

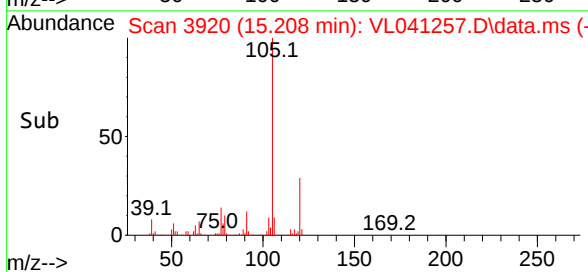
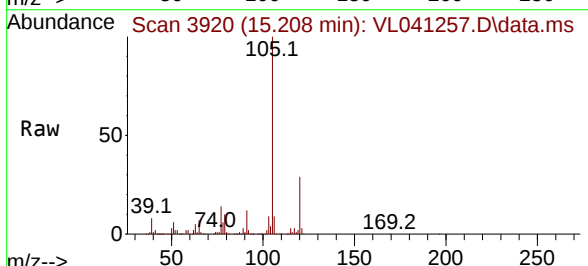
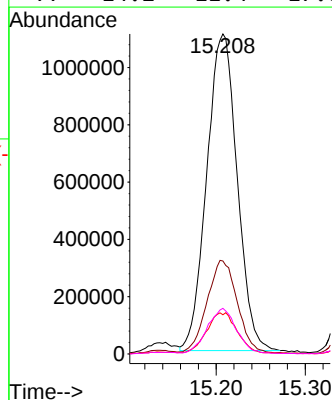
Manual Integrations
APPROVED

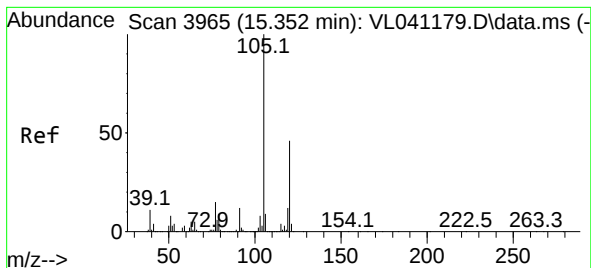
Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024



#72
4-Ethyltoluene
Concen: 10.318 ppbv
RT: 15.208 min Scan# 3920
Delta R.T. 0.000 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

Tgt Ion:105 Resp: 2626016
Ion Ratio Lower Upper
105 100
120 30.0 24.7 37.1
91 13.4 10.3 15.5
77 14.2 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 10.061 ppbv

RT: 15.365 min Scan# 3965

Delta R.T. 0.000 min

Lab File: VL041257.D

Acq: 9 May 2024 14:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 2316920

Ion Ratio Lower Upper

105 100

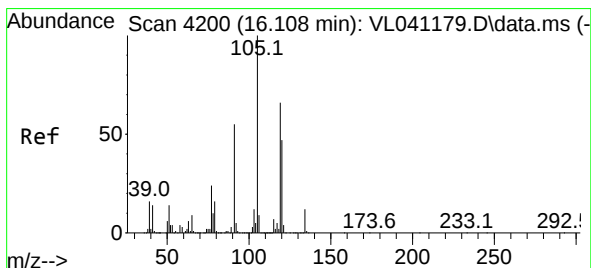
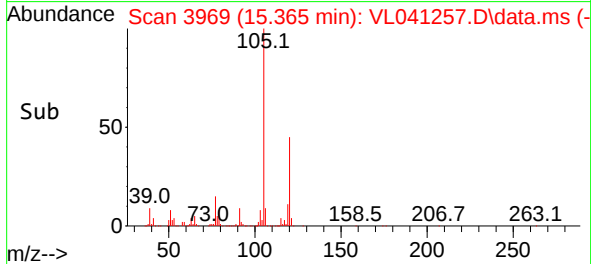
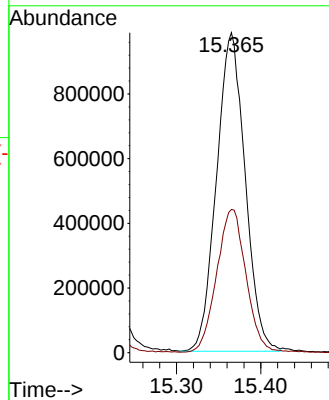
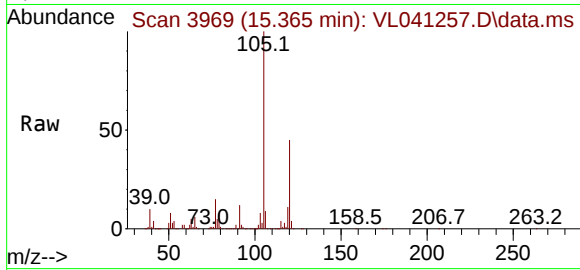
120 44.8 37.0 55.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#74

1,2,4-Trimethylbenzene

Concen: 10.067 ppbv

RT: 16.121 min Scan# 4204

Delta R.T. 0.000 min

Lab File: VL041257.D

Acq: 9 May 2024 14:29

Tgt Ion:105 Resp: 2531884

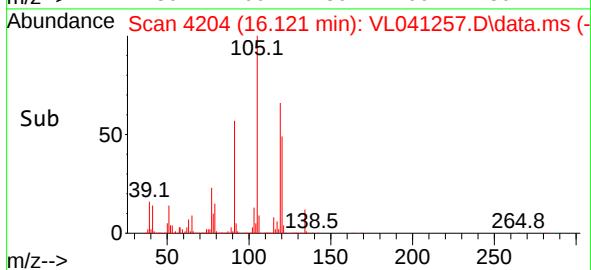
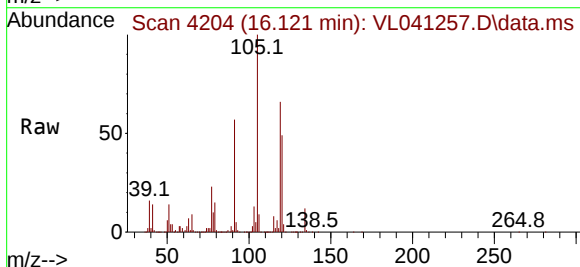
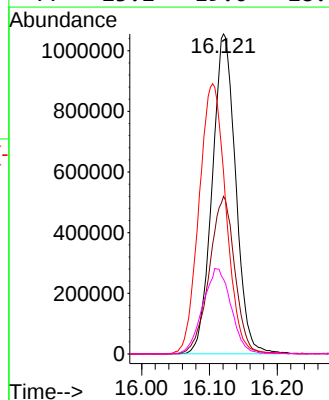
Ion Ratio Lower Upper

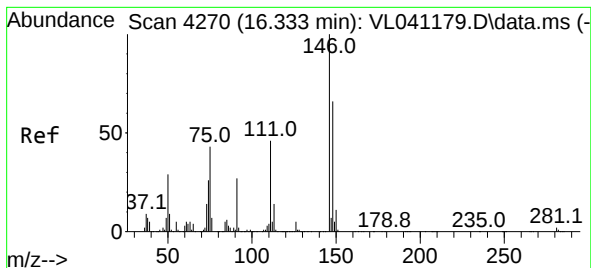
105 100

120 49.0 37.8 56.6

91 56.4 44.3 66.5

77 23.2 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 10.453 ppbv

RT: 16.346 min Scan# 4319

Delta R.T. 0.003 min

Lab File: VL041257.D

Acq: 9 May 2024 14:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:146 Resp: 1507498

Ion Ratio Lower Upper

146 100

111 46.8 23.7 71.1

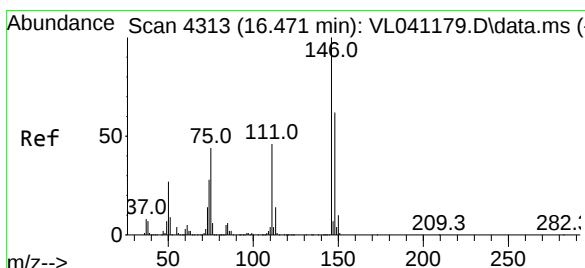
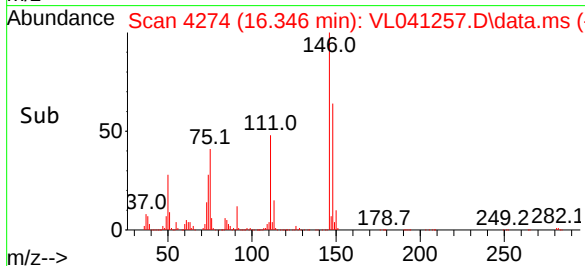
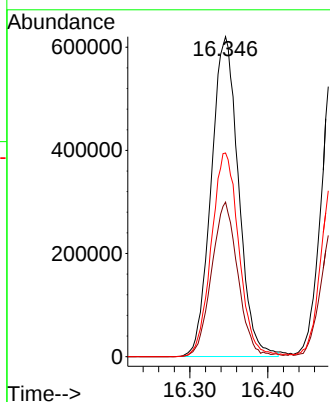
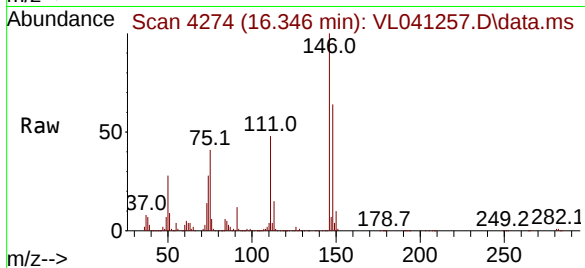
148 64.4 32.5 97.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#76

1,4-Dichlorobenzene

Concen: 10.707 ppbv

RT: 16.490 min Scan# 4319

Delta R.T. 0.007 min

Lab File: VL041257.D

Acq: 9 May 2024 14:29

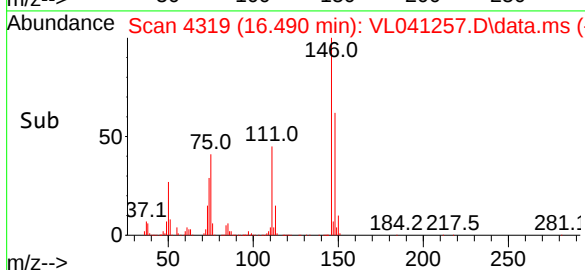
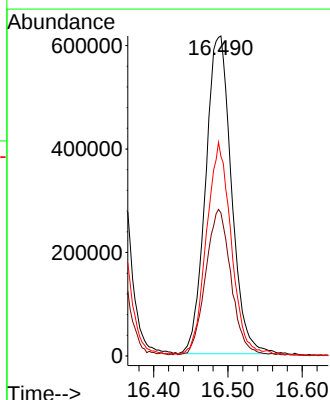
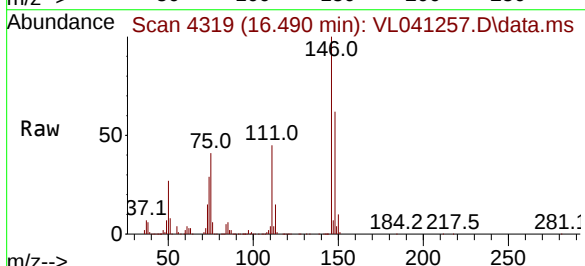
Tgt Ion:146 Resp: 1484996

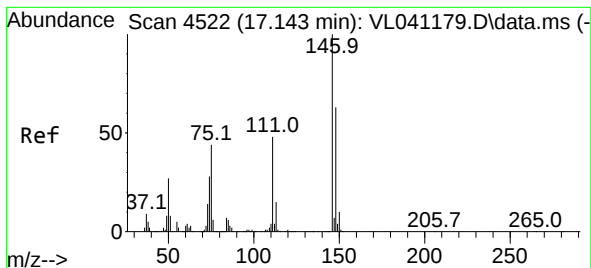
Ion Ratio Lower Upper

146 100

111 45.8 23.3 69.8

148 65.4 32.6 97.7





#77

1,2-Dichlorobenzene

Concen: 10.203 ppbv

RT: 17.156 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041257.D

Acq: 9 May 2024 14:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:146 Resp: 147088

Ion Ratio Lower Upper

146 100

111 48.3 24.5 73.5

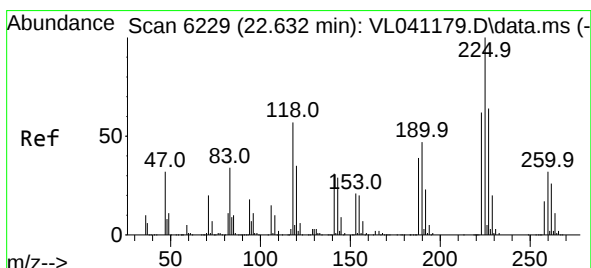
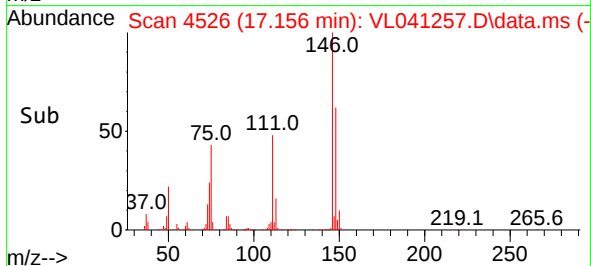
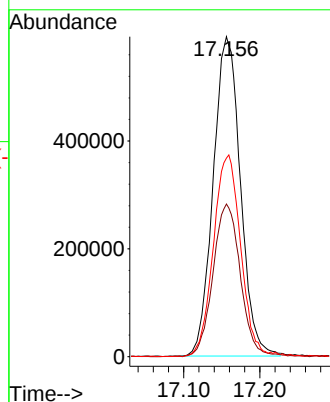
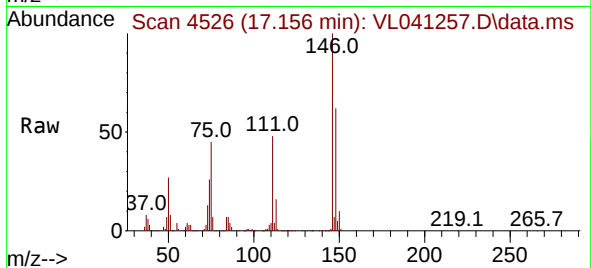
148 63.9 32.6 98.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#78

Hexachloro-1,3-Butadiene

Concen: 8.227 ppbv

RT: 22.648 min Scan# 6234

Delta R.T. 0.000 min

Lab File: VL041257.D

Acq: 9 May 2024 14:29

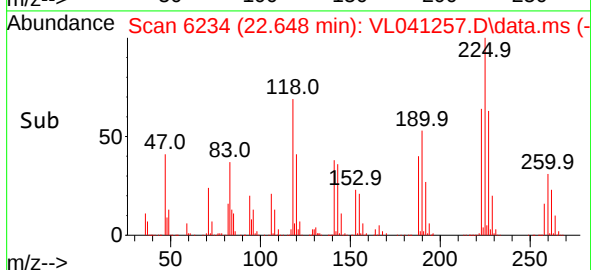
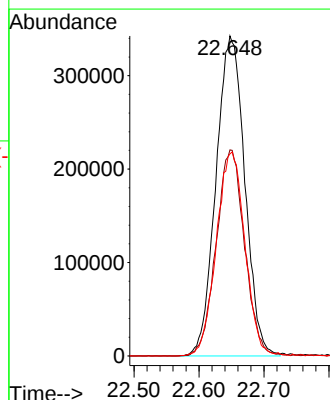
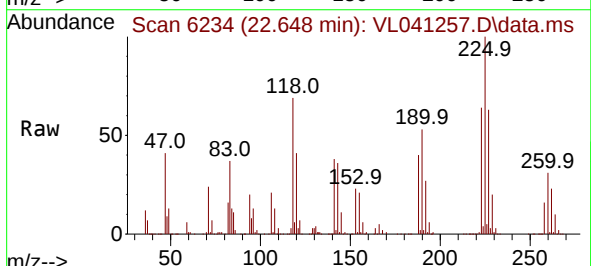
Tgt Ion:225 Resp: 1054097

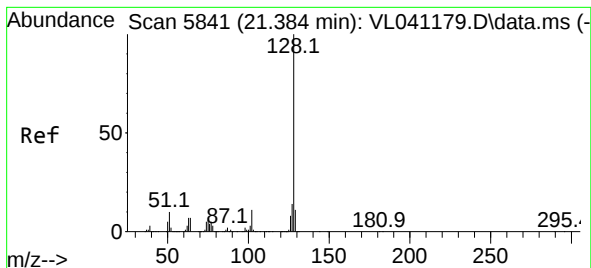
Ion Ratio Lower Upper

225 100

223 63.5 50.9 76.3

227 63.4 52.0 78.0





#79

Naphthalene

Concen: 10.543 ppbv

RT: 21.400 min Scan# 5846

Delta R.T. 0.000 min

Lab File: VL041257.D

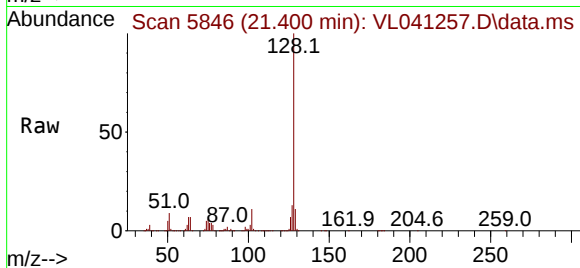
Acq: 9 May 2024 14:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion:128 Resp: 252501

Ion Ratio Lower Upper

128 100

127 13.0 10.8 16.2

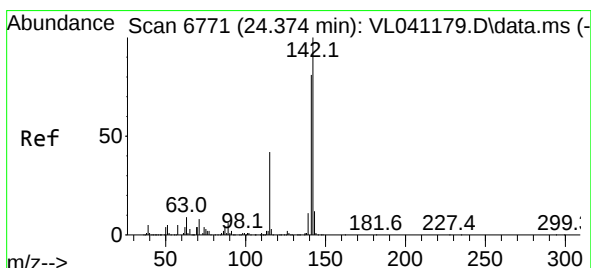
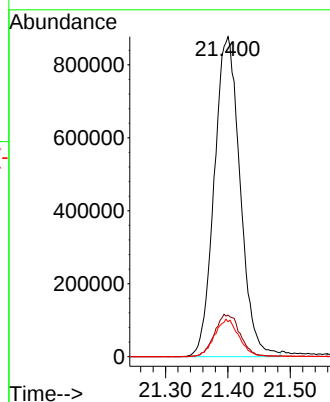
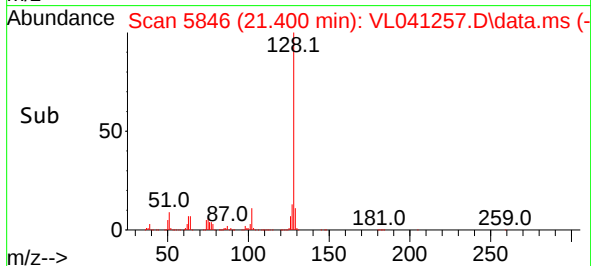
129 11.0 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024

Supervised By :Mahesh Dadoda 05/10/2024



#80

Naphthalene,2-methyl-

Concen: 8.294 ppbv

RT: 24.387 min Scan# 6775

Delta R.T. 0.000 min

Lab File: VL041257.D

Acq: 9 May 2024 14:29

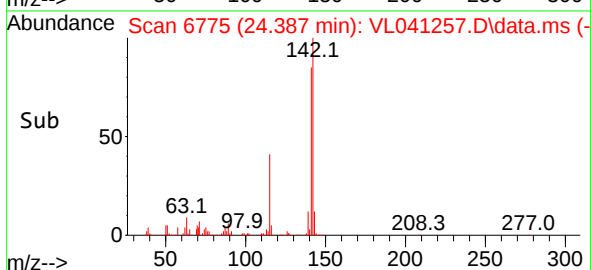
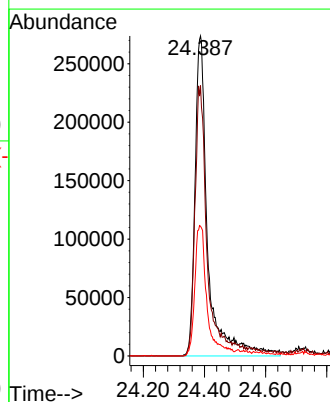
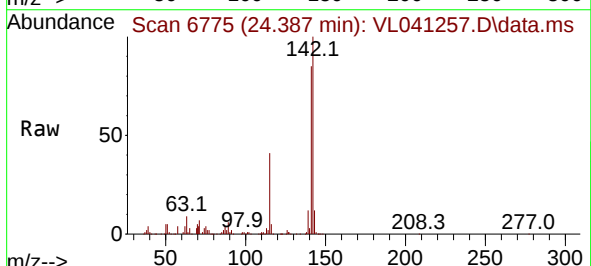
Tgt Ion:142 Resp: 799103

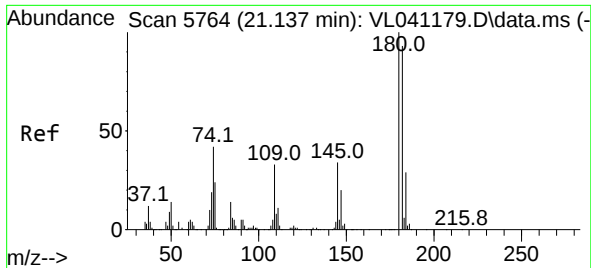
Ion Ratio Lower Upper

142 100

141 80.8 67.9 101.9

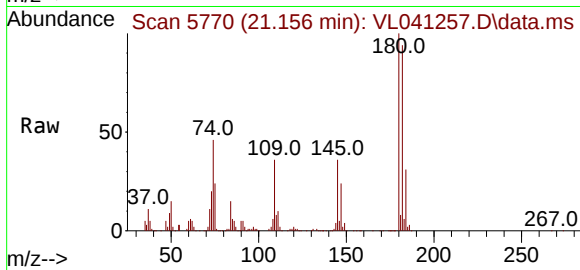
115 40.4 31.4 47.0





#81
1,2,4-Trichlorobenzene
Concen: 9.524 ppbv
RT: 21.156 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL041257.D
Acq: 9 May 2024 14:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion:180 Resp: 120445
Ion Ratio Lower Upper
180 100
182 97.0 77.2 115.8
184 30.6 24.6 36.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024
Supervised By :Mahesh Dadoda 05/10/2024

