

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052524\
 Data File : VW035829.D
 Acq On : 26 May 2024 03:58
 Operator : SY/MD
 Sample : P2586-07MSD
 Misc : 5.66g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4D18MSD

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/28/2024
 Supervised By :Mahesh Dadoda 05/28/2024

Quant Time: May 27 05:36:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 27 05:15:54 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	223360	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	128164	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	29399	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	161651	46.824	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	187.280%#
7) Chloroethane-d5	1.529	69	128326	46.076	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	184.320%#
11) 1,1-Dichloroethene-d2	2.053	65	59327	38.817	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	155.280%#
21) 2-Butanone-d5	3.870	46	17232m	17.588	ug/L	0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	=	35.180%
24) Chloroform-d	4.246	84	233182	35.116	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	140.480%
26) 1,2-Dichloroethane-d4	4.940	65	114690	34.937	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	139.760%#
32) Benzene-d6	4.956	84	419975	59.863	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	239.440%#
36) 1,2-Dichloropropane-d6	5.985	67	131067	60.537	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	242.160%#
41) Toluene-d8	7.243	98	263485	42.199	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	168.800%#
43) trans-1,3-Dichloroprop...	7.561	79	13703	14.799	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	59.200%
47) 2-Hexanone-d5	8.059	63	2720	6.987	ug/L	0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	=	13.980%#
56) 1,1,2,2-Tetrachloroeth...	10.152	84	58684	28.128	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.520%
66) 1,2-Dichlorobenzene-d4	11.561	152	27567	27.019	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	140324	30.901	ug/L	99
3) Chloromethane	1.211	50	77714	17.045	ug/L	99
5) Vinyl chloride	1.278	62	146420	31.085	ug/L	99
6) Bromomethane	1.484	94	23774	7.971	ug/L	100
8) Chloroethane	1.545	64	96318	33.172	ug/L	98
9) Trichlorofluoromethane	1.709	101	199444	32.440	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	120159	30.976	ug/L	99
12) 1,1-Dichloroethene	2.063	96	108028	30.832	ug/L #	85
13) Acetone	2.153	43	35069	24.452	ug/L #	37
14) Carbon disulfide	2.236	76	189318	17.059	ug/L	100
15) Methyl Acetate	2.397	43	10698m	4.923	ug/L	
16) Methylene chloride	2.442	84	137037	26.606	ug/L	96
17) trans-1,2-Dichloroethene	2.690	96	100704	25.890	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	312219	33.276	ug/L	98
19) 1,1-Dichloroethane	3.108	63	247479	33.937	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	108366	25.699	ug/L	99
22) 2-Butanone	3.921	43	39841m	29.914	ug/L	
23) Bromochloromethane	4.146	128	59031	28.944	ug/L	98
25) Chloroform	4.272	83	243680	32.361	ug/L	99

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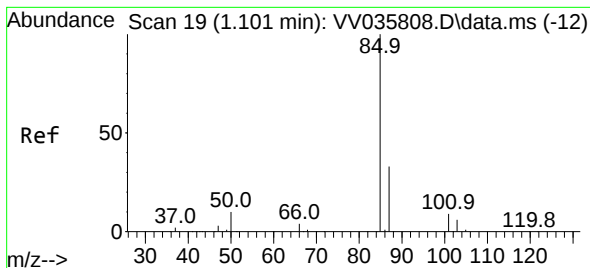
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/28/2024
 Supervised By :Mahesh Dadoda 05/28/2024

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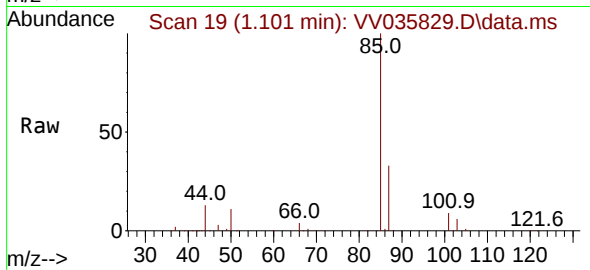
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	140235	29.907	ug/L	98
29) Cyclohexane	4.577	56	94009	30.673	ug/L	98
30) 1,1,1-Trichloroethane	4.506	97	195202	54.930	ug/L	99
31) Carbon tetrachloride	4.731	117	153141	49.115	ug/L	97
33) Benzene	5.008	78	420724	49.600	ug/L	100
34) Trichloroethene	5.831	95	95403	39.762	ug/L	99
35) Methylcyclohexane	6.046	83	79012	21.690	ug/L	93
37) 1,2-Dichloropropane	6.088	63	122182	55.210	ug/L	100
38) Bromodichloromethane	6.429	83	141780	47.292	ug/L	99
39) cis-1,3-Dichloropropene	6.963	75	35451	10.242	ug/L	93
40) 4-Methyl-2-pentanone	7.165	43	48110	36.299	ug/L	93
42) Toluene	7.313	91	314559	35.042	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	35737	11.802	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	86155	45.818	ug/L	99
46) Tetrachloroethene	7.905	164	54500	27.959	ug/L	97
48) 2-Hexanone	8.098	43	12166	12.242	ug/L #	72
49) Dibromochloromethane	8.175	129	76388	36.002	ug/L	99
50) 1,2-Dibromoethane	8.284	107	46613	25.163	ug/L	98
51) Chlorobenzene	8.815	112	145857	23.417	ug/L	98
52) Ethylbenzene	8.947	91	224049	22.606	ug/L	99
53) m,p-Xylene	9.072	106	79107	21.038	ug/L	98
54) o-Xylene	9.477	106	75899	21.297	ug/L	98
55) Styrene	9.496	104	71068	11.433	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	61425	26.817	ug/L	96
59) Bromoform	9.664	173	34400	59.541	ug/L #	96
60) Isopropylbenzene	9.866	105	184136	47.020	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	59626	86.551	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	99361	32.343	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	85963	27.229	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	52483	25.537	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	51570	24.239	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	48243	24.937	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	7785	48.725	ug/L	89
69) 1,3,5-Trichlorobenzene	12.583	180	20196	12.575	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	10987	8.193	ug/L	94
71) Naphthalene	13.445	128	22590	9.595	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	8570	7.104	ug/L	100

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



#2
Dichlorodifluoromethane
Concen: 30.901 ug/L
RT: 1.101 min Scan# 19
Delta R.T. -0.000 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

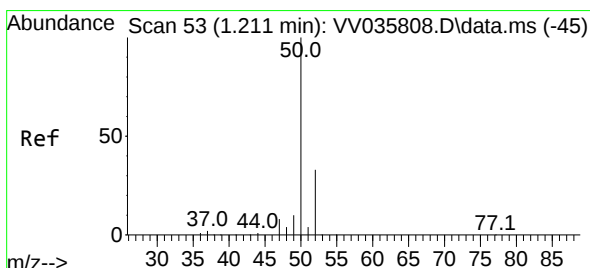
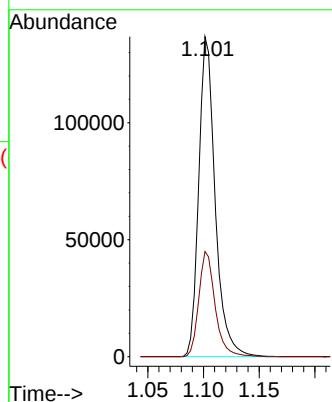
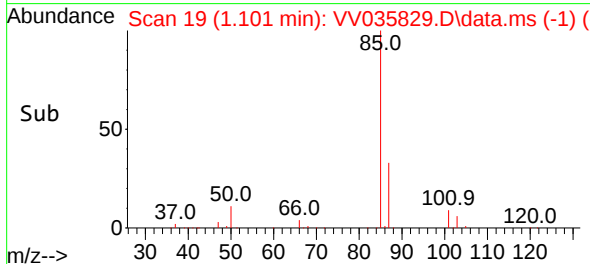
Instrument :
MSVOA_V
ClientSampleId :
A4D18MSD



Tgt Ion: 85 Resp: 140324
Ion Ratio Lower Upper
85 100
87 32.7 25.8 38.6

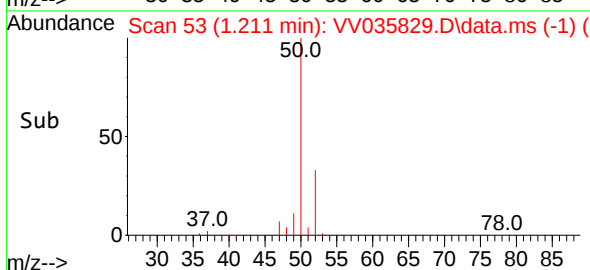
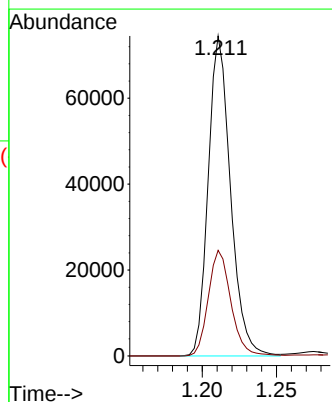
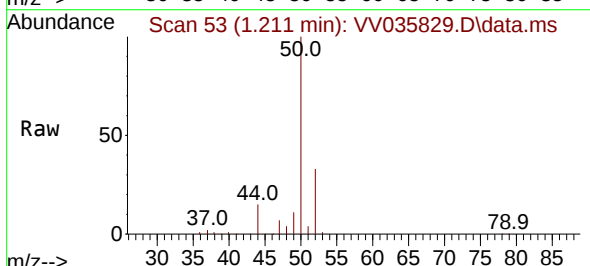
Manual Integrations
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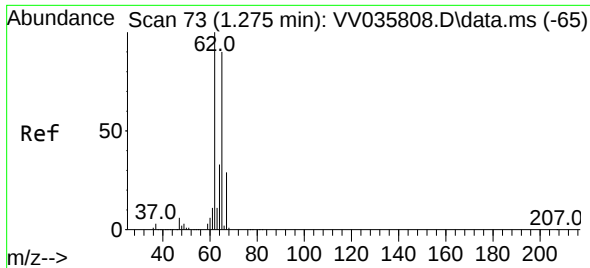
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#3
Chloromethane
Concen: 17.045 ug/L
RT: 1.211 min Scan# 53
Delta R.T. -0.000 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

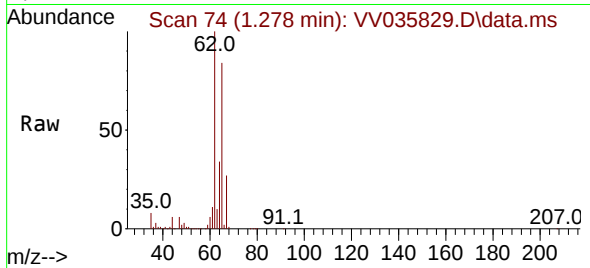
Tgt Ion: 50 Resp: 77714
Ion Ratio Lower Upper
50 100
52 33.0 22.7 42.1





#5
 Vinyl chloride
 Concen: 31.085 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. 0.003 min
 Lab File: VV035829.D
 Acq: 26 May 2024 03:58

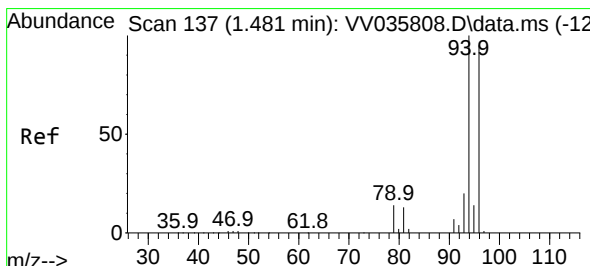
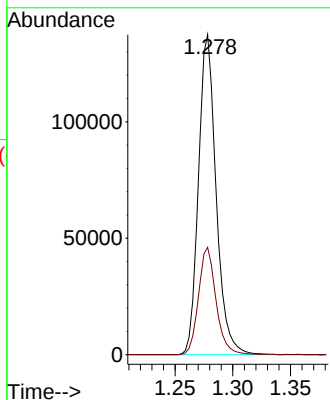
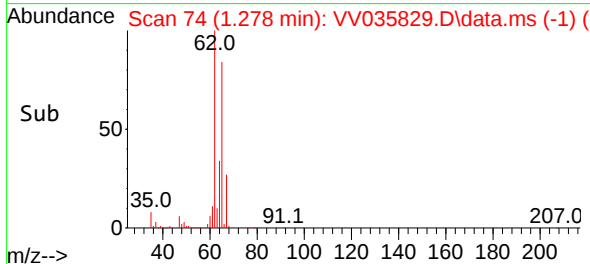
Instrument :
 MSVOA_V
 ClientSampleId :
 A4D18MSD



Tgt Ion: 62 Resp: 146420
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.0 42.6

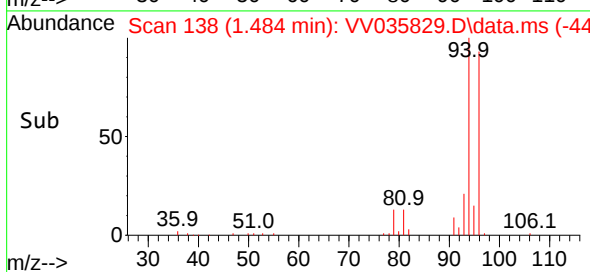
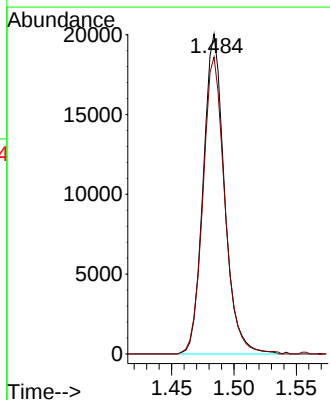
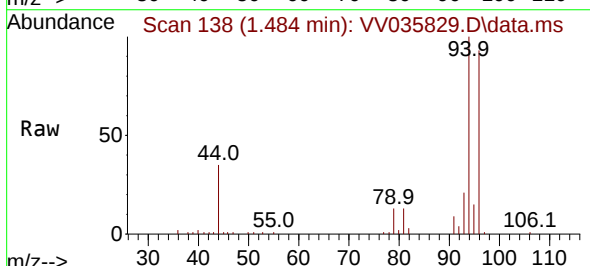
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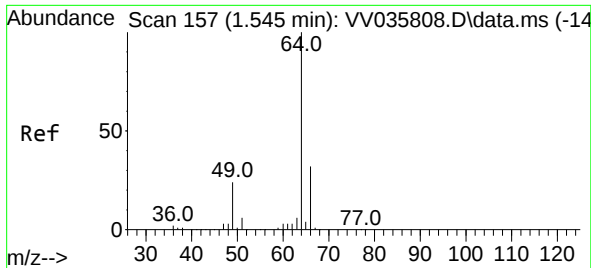
Reviewed By :Semsettin Yesilyurt 05/28/2024
 Supervised By :Mahesh Dadoda 05/28/2024



#6
 Bromomethane
 Concen: 7.971 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.003 min
 Lab File: VV035829.D
 Acq: 26 May 2024 03:58

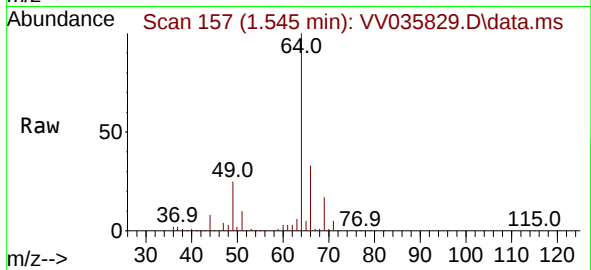
Tgt Ion: 94 Resp: 23774
 Ion Ratio Lower Upper
 94 100
 96 92.8 65.2 121.0





#8
Chloroethane
Concen: 33.172 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

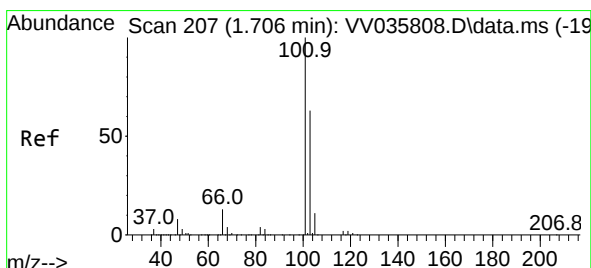
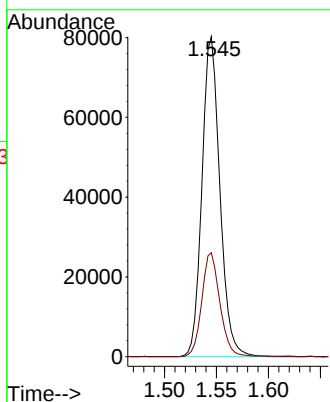
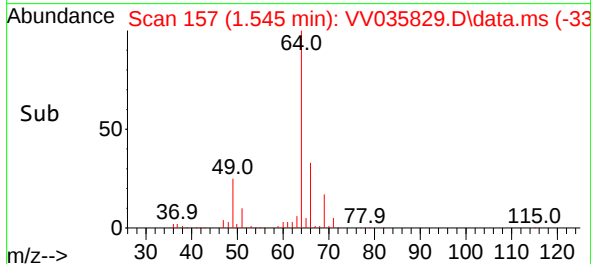
Instrument :
MSVOA_V
ClientSampleId :
A4D18MSD



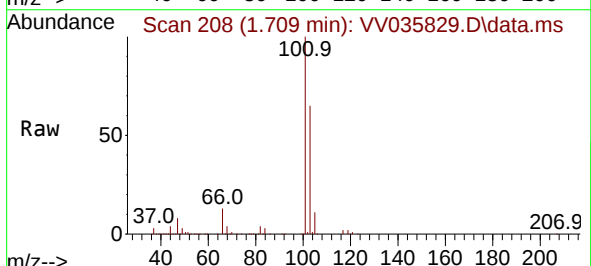
Tgt Ion: 64 Resp: 96318
Ion Ratio Lower Upper
64 100
66 32.5 22.0 40.8

Manual Integrations
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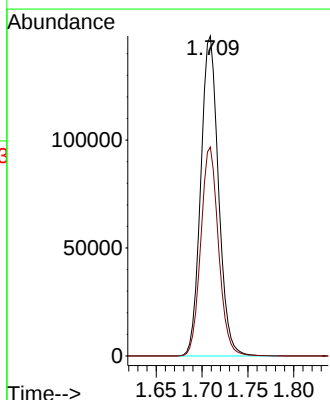
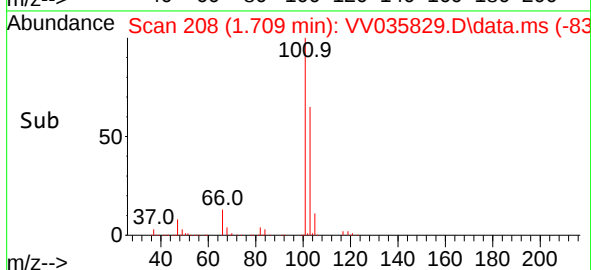
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024

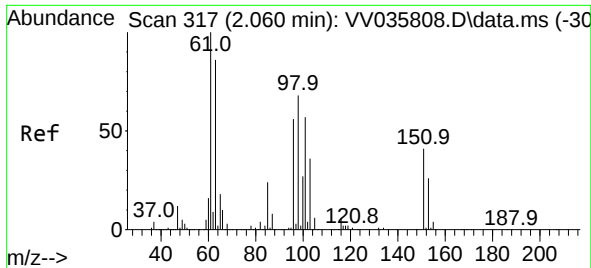


#9
Trichlorofluoromethane
Concen: 32.440 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.003 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58



Tgt Ion:101 Resp: 199444
Ion Ratio Lower Upper
101 100
103 65.3 51.5 77.3





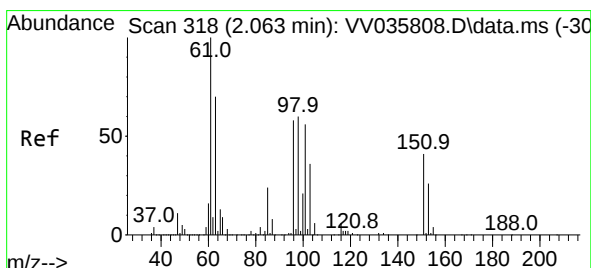
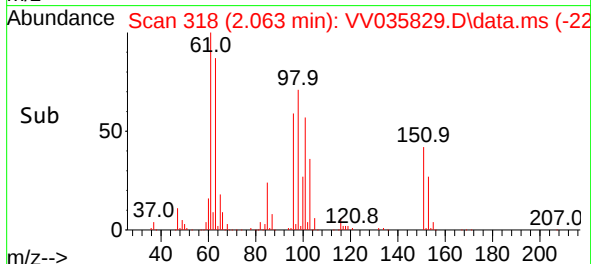
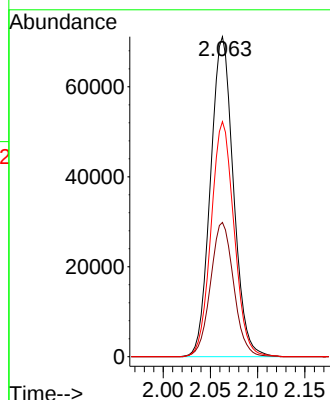
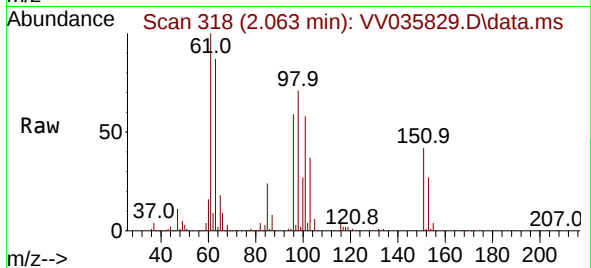
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 30.976 ug/L
RT: 2.063 min Scan# 317
Delta R.T. 0.003 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

Instrument :
MSVOA_V
ClientSampleId :
A4D18MSD

Tgt Ion:101 Resp: 120159
Ion Ratio Lower Upper
101 100
85 42.4 34.2 51.4
151 73.7 59.5 89.3

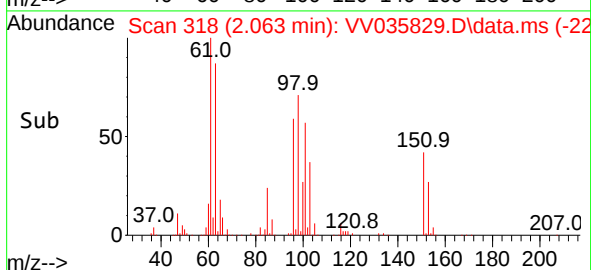
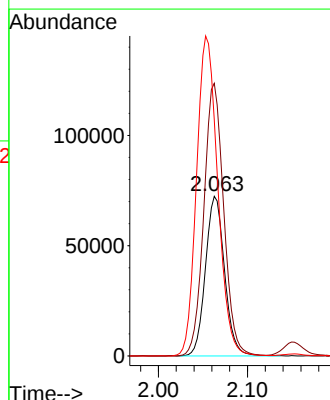
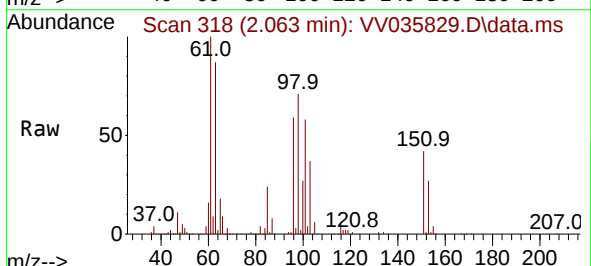
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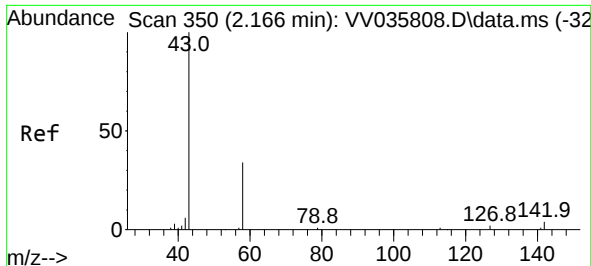
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#12
1,1-Dichloroethene
Concen: 30.832 ug/L
RT: 2.063 min Scan# 318
Delta R.T. -0.000 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

Tgt Ion: 96 Resp: 108028
Ion Ratio Lower Upper
96 100
61 170.8 119.8 222.4
63 147.8 75.6 140.4#





#13

Acetone

Concen: 24.452 ug/L

RT: 2.153 min Scan# 34

Delta R.T. -0.013 min

Lab File: VV035829.D

Acq: 26 May 2024 03:58

Instrument :

MSVOA_V

ClientSampleId :

A4D18MSD

Tgt Ion: 43 Resp: 35069

Ion Ratio Lower Upper

43 100

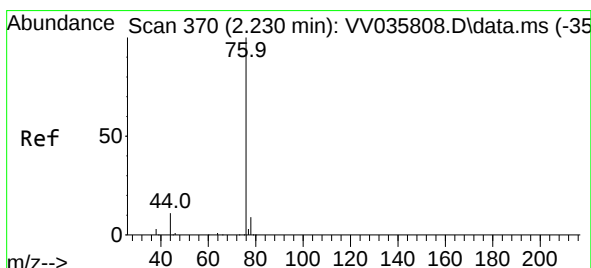
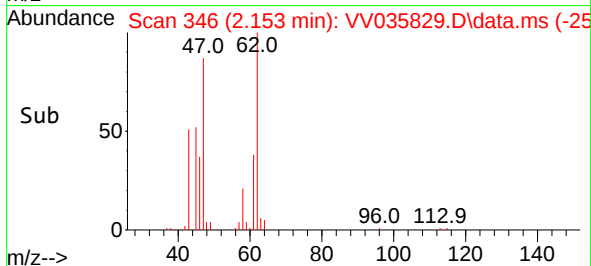
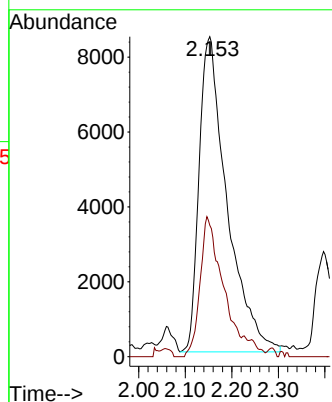
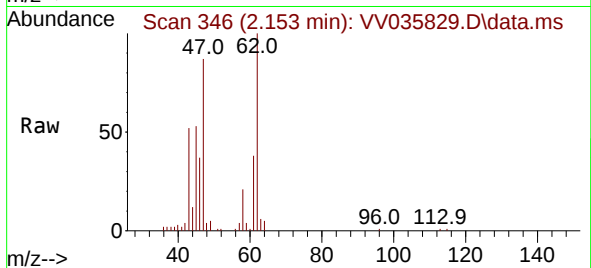
58 35.4 0.0 22.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/28/2024

Supervised By :Mahesh Dadoda 05/28/2024



#14

Carbon disulfide

Concen: 17.059 ug/L

RT: 2.236 min Scan# 372

Delta R.T. 0.006 min

Lab File: VV035829.D

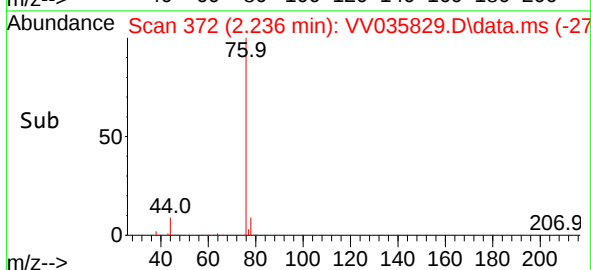
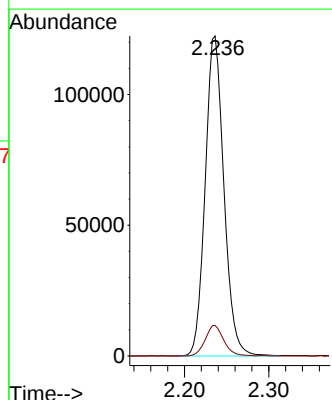
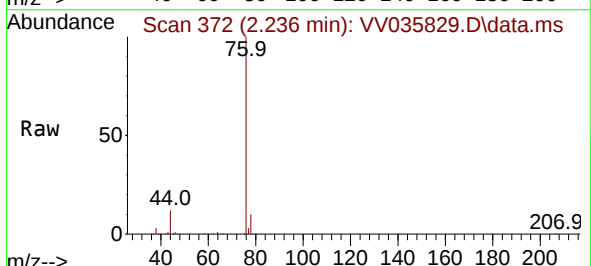
Acq: 26 May 2024 03:58

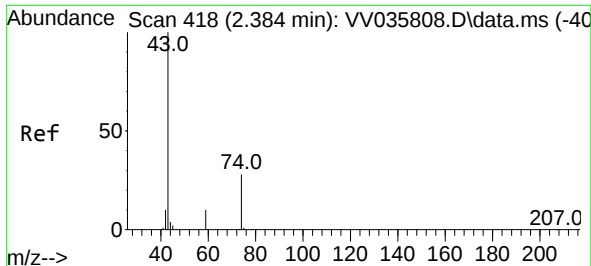
Tgt Ion: 76 Resp: 189318

Ion Ratio Lower Upper

76 100

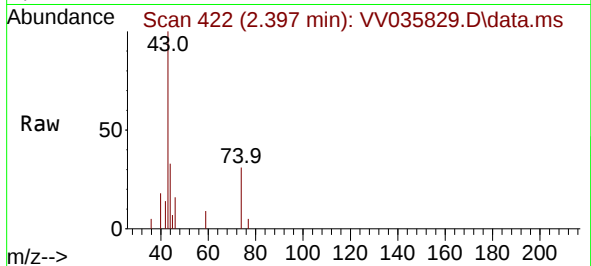
78 9.6 7.5 11.3





#15
Methyl Acetate
Concen: 4.923 ug/L m
RT: 2.397 min Scan# 418
Delta R.T. 0.013 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

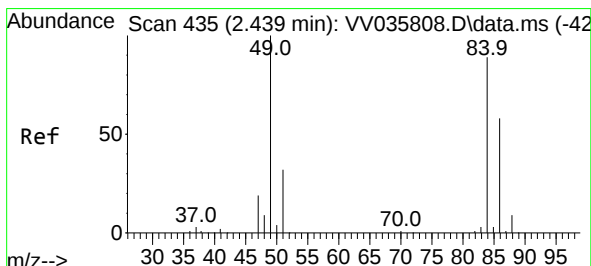
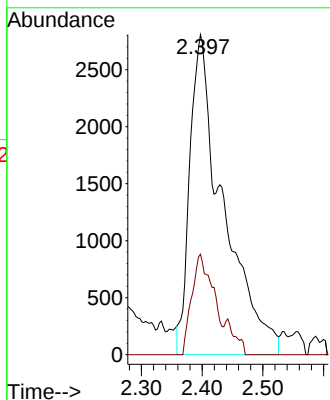
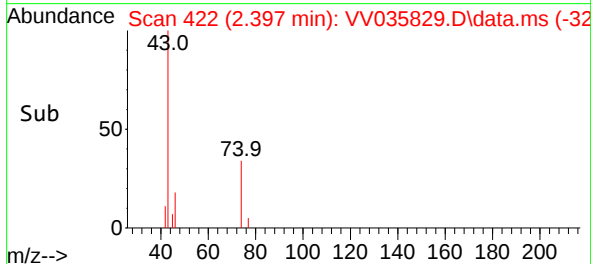
Instrument :
MSVOA_V
ClientSampleId :
A4D18MSD



Tgt Ion: 43 Resp: 10698
Ion Ratio Lower Upper
43 100
74 12.9 18.6 27.8

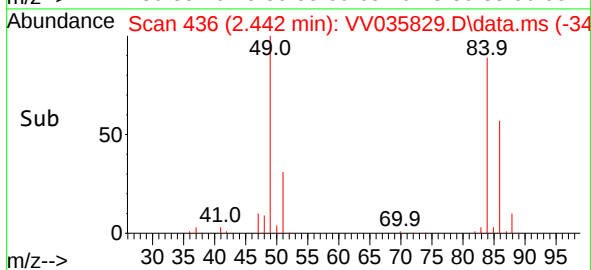
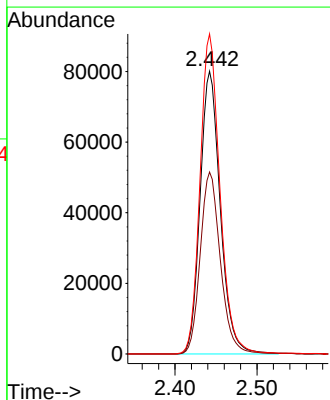
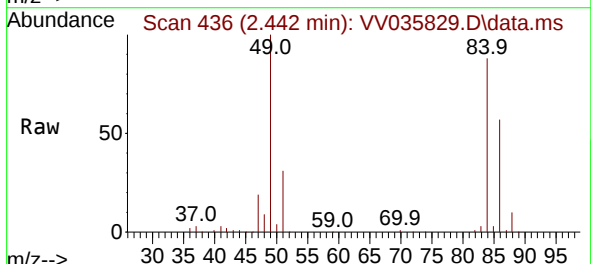
Manual Integrations
APPROVED

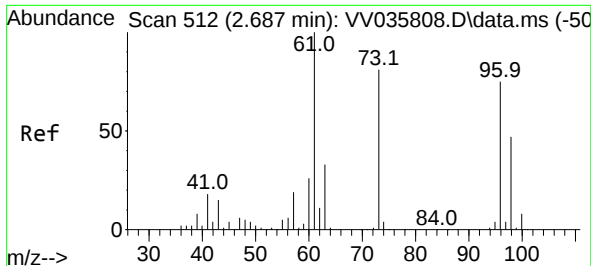
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#16
Methylene chloride
Concen: 26.606 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.003 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

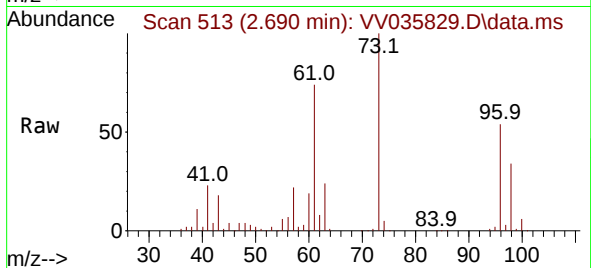
Tgt Ion: 84 Resp: 137037
Ion Ratio Lower Upper
84 100
86 64.4 43.8 81.3
49 113.2 75.3 139.9





#17
trans-1,2-Dichloroethene
Concen: 25.890 ug/L
RT: 2.690 min Scan# 512
Delta R.T. 0.003 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

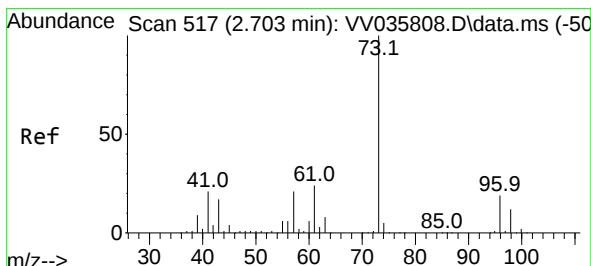
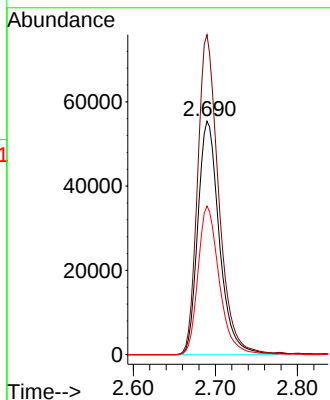
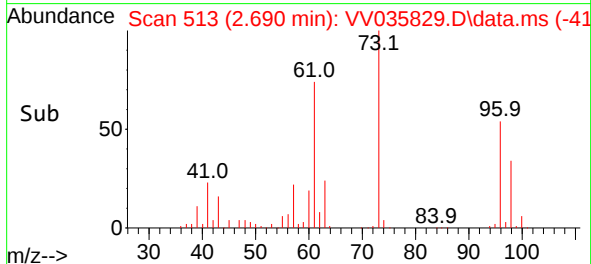
Instrument :
MSVOA_V
ClientSampleId :
A4D18MSD



Tgt Ion: 96 Resp: 100704
Ion Ratio Lower Upper
96 100
61 137.1 95.5 177.4
98 63.7 46.0 85.4

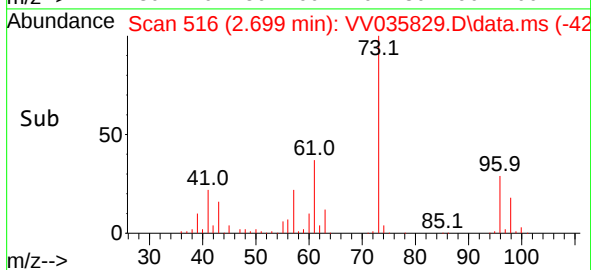
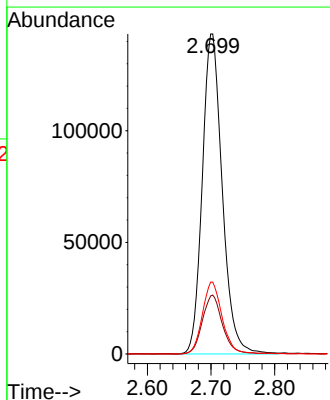
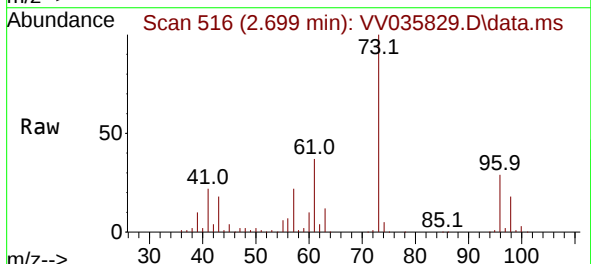
Manual Integrations
APPROVED

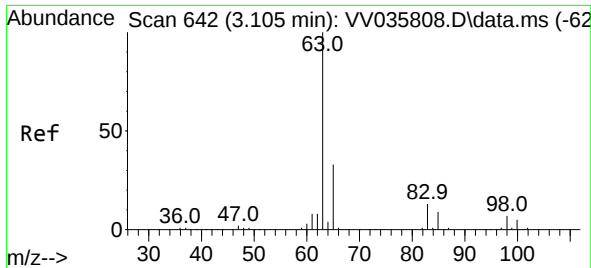
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#18
Methyl tert-butyl Ether
Concen: 33.276 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.003 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

Tgt Ion: 73 Resp: 312219
Ion Ratio Lower Upper
73 100
43 18.4 13.3 19.9
57 22.3 17.4 26.2





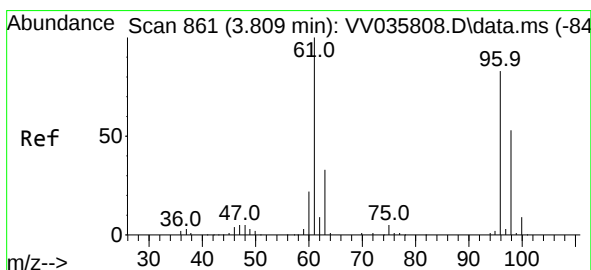
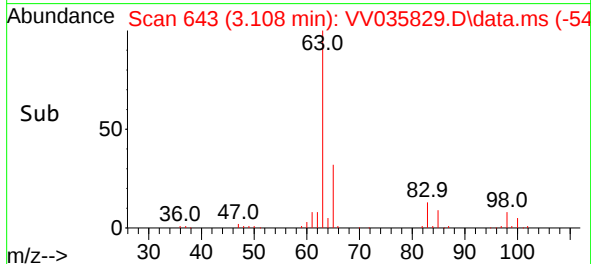
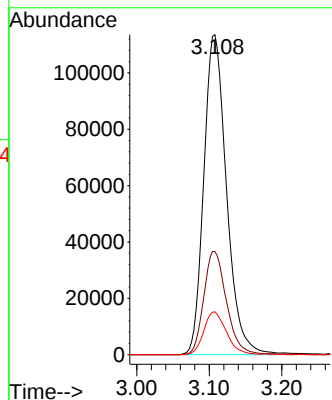
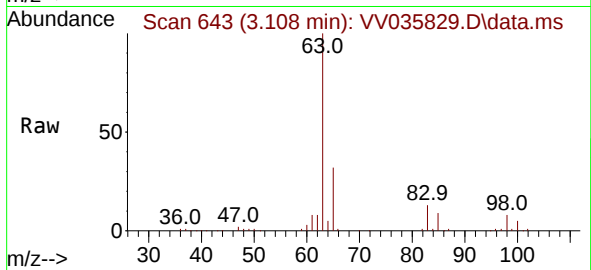
#19
1,1-Dichloroethane
Concen: 33.937 ug/L
RT: 3.108 min Scan# 642
Delta R.T. 0.003 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

Instrument :
MSVOA_V
ClientSampleId :
A4D18MSD

Tgt Ion: 63 Resp: 247479
Ion Ratio Lower Upper
63 100
65 32.2 22.7 42.3
83 13.4 9.7 17.9

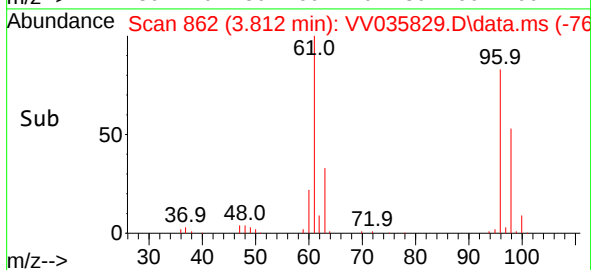
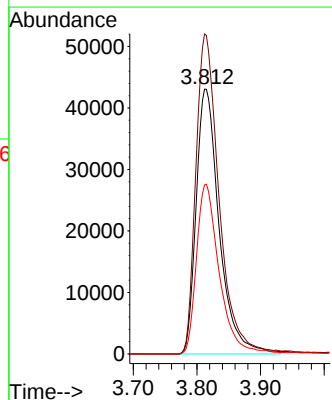
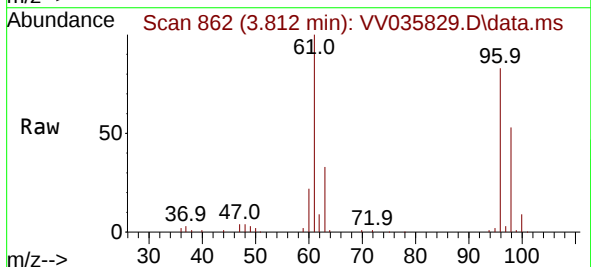
Manual Integrations
APPROVED

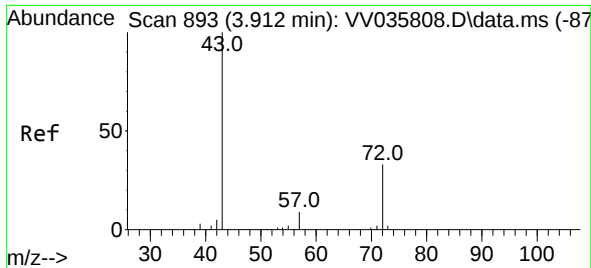
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#20
cis-1,2-Dichloroethene
Concen: 25.699 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.003 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

Tgt Ion: 96 Resp: 108366
Ion Ratio Lower Upper
96 100
61 120.8 83.9 155.9
98 63.8 44.0 81.8





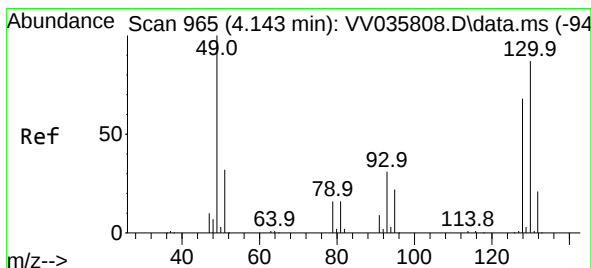
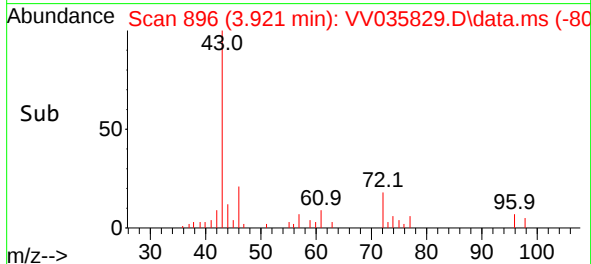
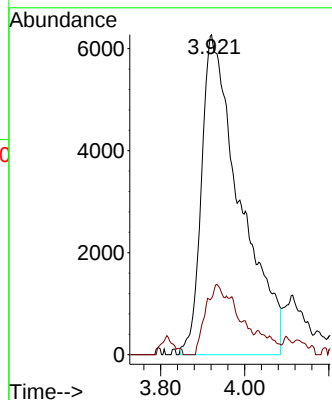
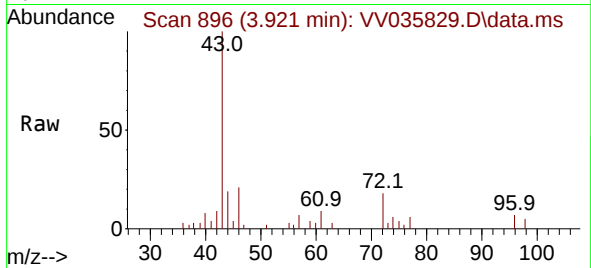
#22
2-Butanone
Concen: 29.914 ug/L m
RT: 3.921 min Scan# 894
Delta R.T. 0.010 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

Instrument :
MSVOA_V
ClientSampleId :
A4D18MSD

Tgt Ion: 43 Resp: 3984
Ion Ratio Lower Upper
43 100
72 3.6 12.3 36.9

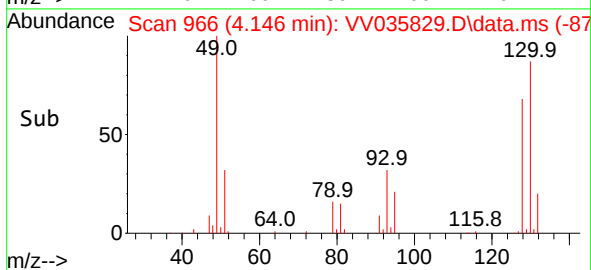
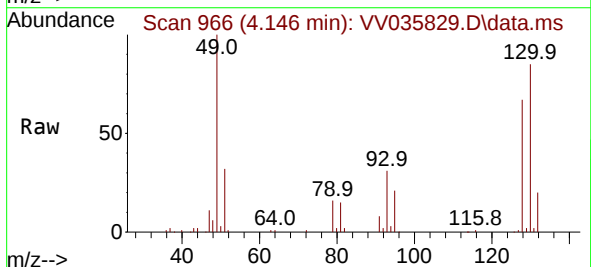
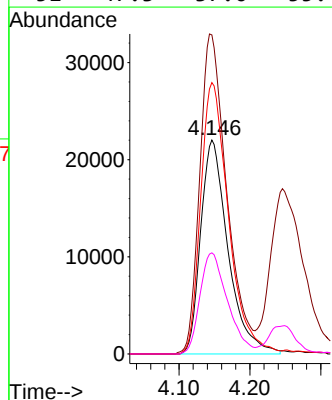
Manual Integrations
APPROVED

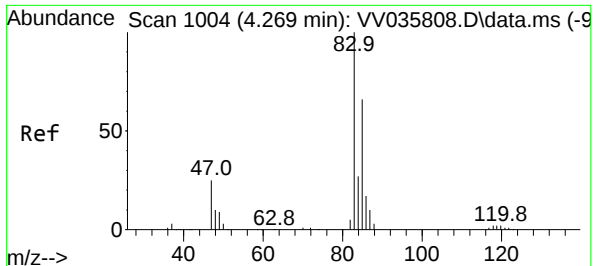
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#23
Bromochloromethane
Concen: 28.944 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.003 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

Tgt Ion:128 Resp: 59031
Ion Ratio Lower Upper
128 100
49 149.2 103.1 191.5
130 126.9 91.8 170.4
51 47.3 37.0 55.4





#25

Chloroform

Concen: 32.361 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV035829.D

Acq: 26 May 2024 03:58

Instrument :

MSVOA_V

ClientSampleId :

A4D18MSD

Tgt Ion: 83 Resp: 243680

Ion Ratio Lower Upper

83 100

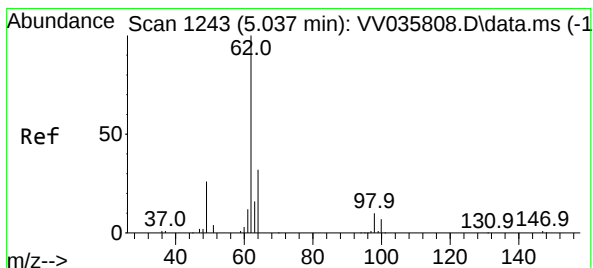
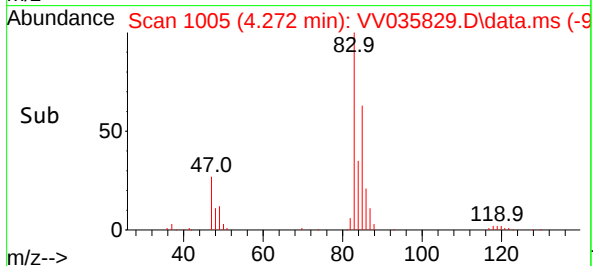
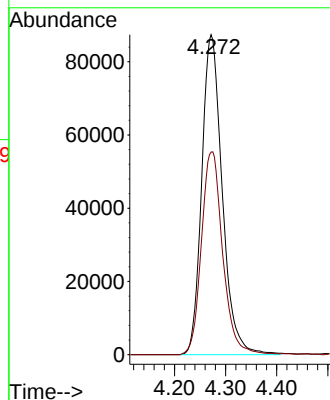
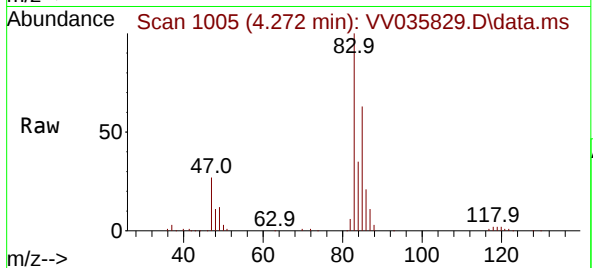
85 63.3 44.7 82.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/28/2024

Supervised By :Mahesh Dadoda 05/28/2024



#27

1,2-Dichloroethane

Concen: 29.907 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV035829.D

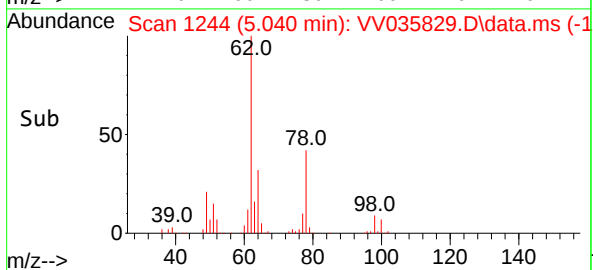
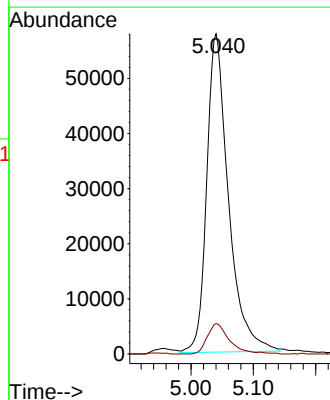
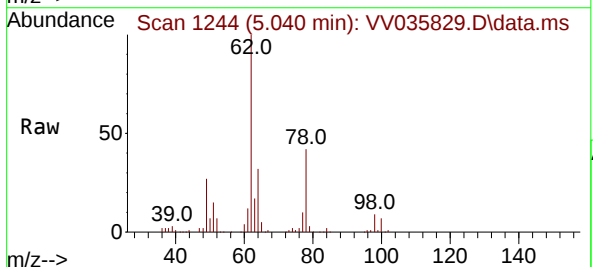
Acq: 26 May 2024 03:58

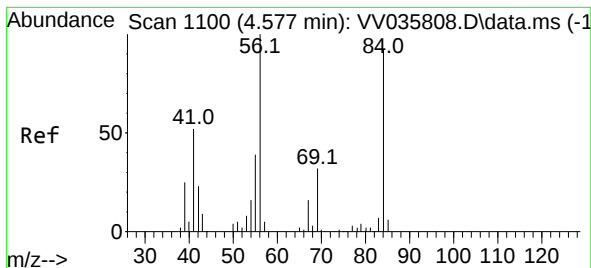
Tgt Ion: 62 Resp: 140235

Ion Ratio Lower Upper

62 100

98 9.5 8.2 12.2





#29

Cyclohexane

Concen: 30.673 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. -0.000 min

Lab File: VV035829.D

Acq: 26 May 2024 03:58

Instrument :

MSVOA_V

ClientSampleId :

A4D18MSD

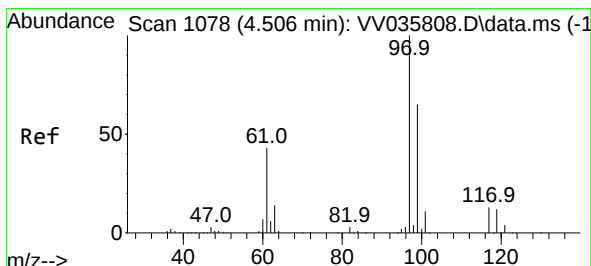
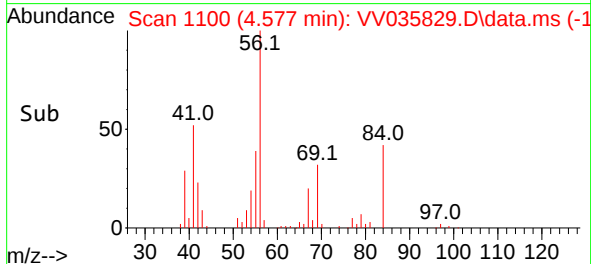
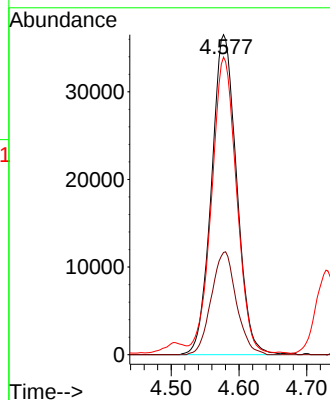
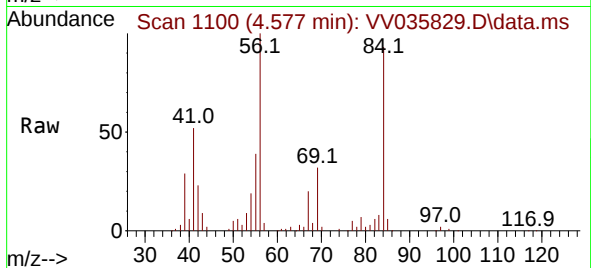
Tgt Ion: 56 Resp: 94009

Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.6	38.4
84	90.8	74.8	112.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#30

1,1,1-Trichloroethane

Concen: 54.930 ug/L

RT: 4.506 min Scan# 1078

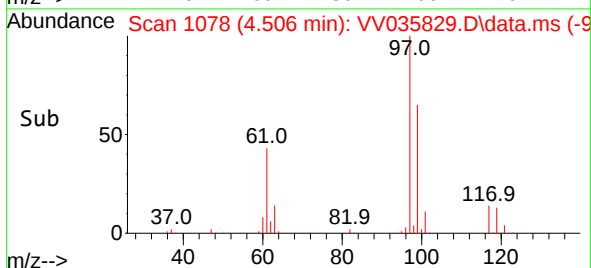
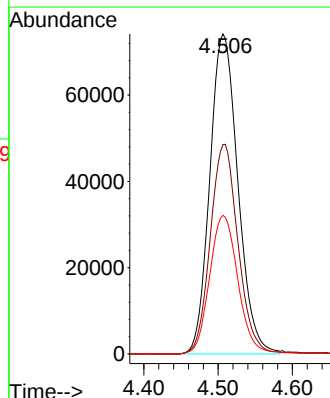
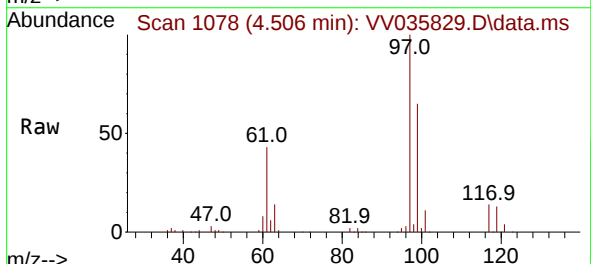
Delta R.T. -0.000 min

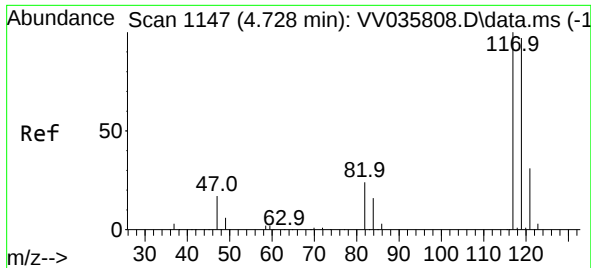
Lab File: VV035829.D

Acq: 26 May 2024 03:58

Tgt Ion: 97 Resp: 195202

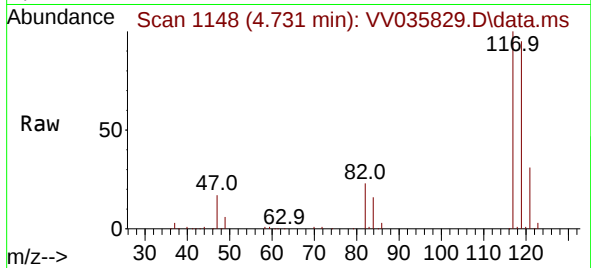
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	43.9	33.5	50.3





#31
Carbon tetrachloride
Concen: 49.115 ug/L
RT: 4.731 min Scan# 1147
Delta R.T. 0.003 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

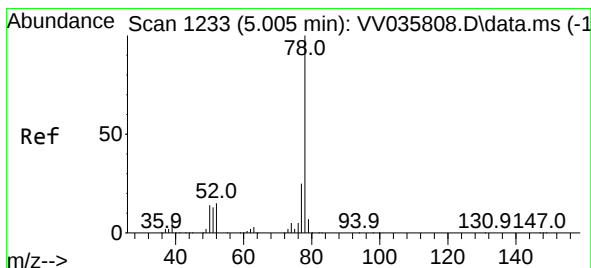
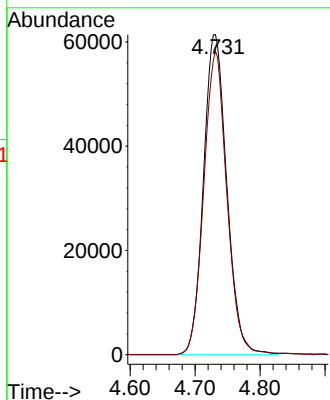
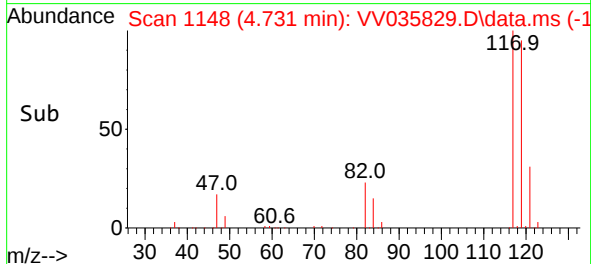
Instrument :
MSVOA_V
ClientSampleId :
A4D18MSD



Tgt Ion:117 Resp: 15314
Ion Ratio Lower Upper
117 100
119 94.0 77.3 115.9

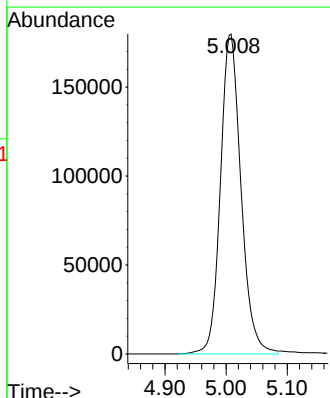
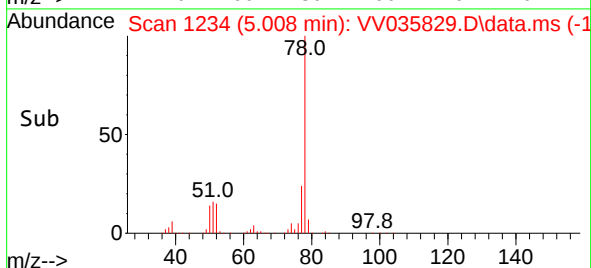
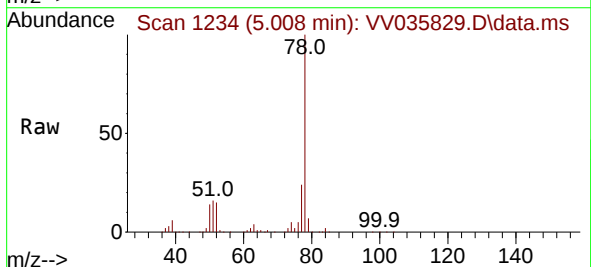
Manual Integrations
APPROVED

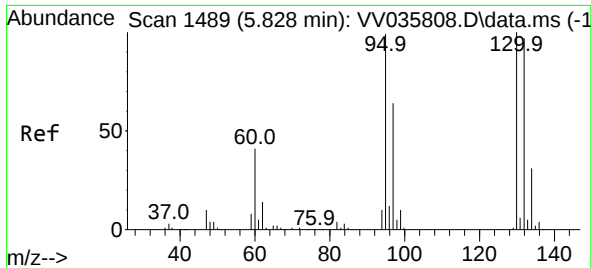
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#33
Benzene
Concen: 49.600 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.003 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

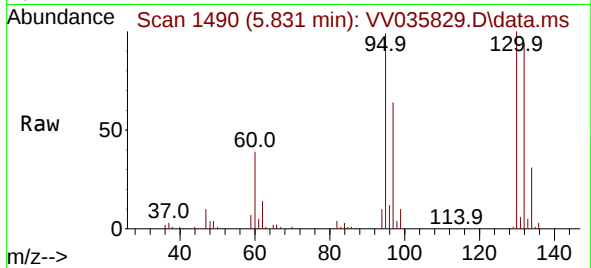
Tgt Ion: 78 Resp: 420724





#34
Trichloroethene
Concen: 39.762 ug/L
RT: 5.831 min Scan# 1489
Delta R.T. 0.003 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

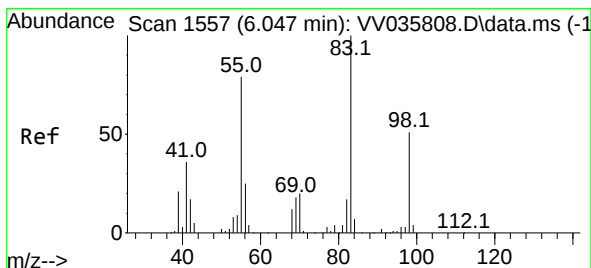
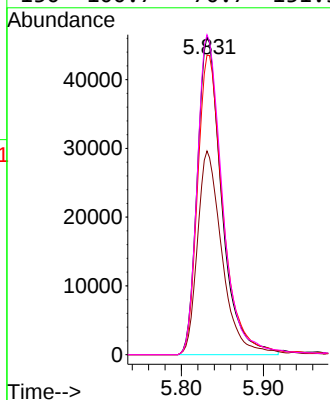
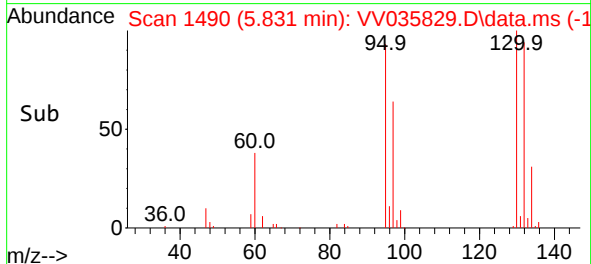
Instrument :
MSVOA_V
ClientSampleId :
A4D18MSD



Tgt Ion: 95 Resp: 9540
Ion Ratio Lower Upper
95 100
97 64.1 43.8 81.4
132 94.3 67.1 124.7
130 100.7 70.7 131.3

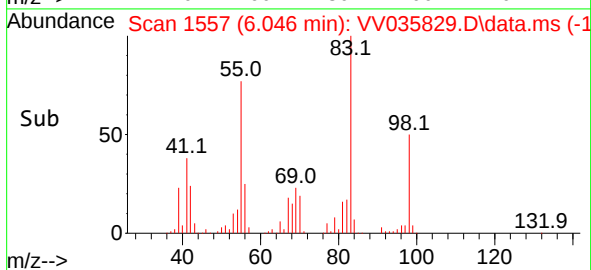
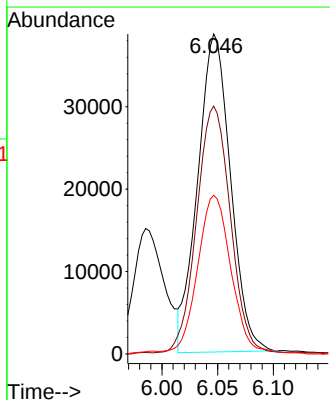
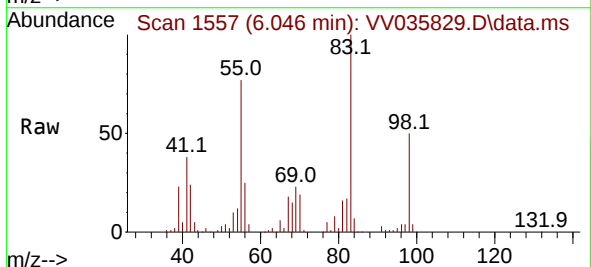
Manual Integrations
APPROVED

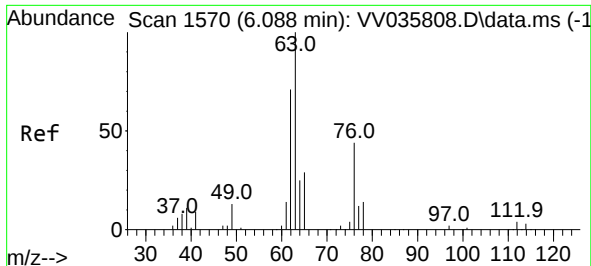
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#35
Methylcyclohexane
Concen: 21.690 ug/L
RT: 6.046 min Scan# 1557
Delta R.T. -0.000 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

Tgt Ion: 83 Resp: 79012
Ion Ratio Lower Upper
83 100
55 80.3 57.5 86.3
98 50.3 38.6 58.0





#37

1,2-Dichloropropane

Concen: 55.210 ug/L

RT: 6.088 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV035829.D

Acq: 26 May 2024 03:58

Instrument :

MSVOA_V

ClientSampleId :

A4D18MSD

Tgt Ion: 63 Resp: 12218

Ion Ratio Lower Upper

63 100

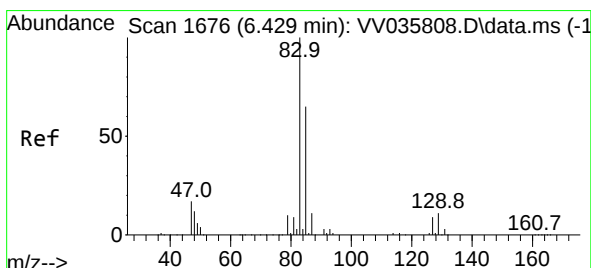
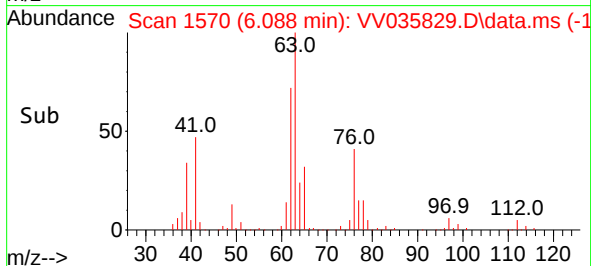
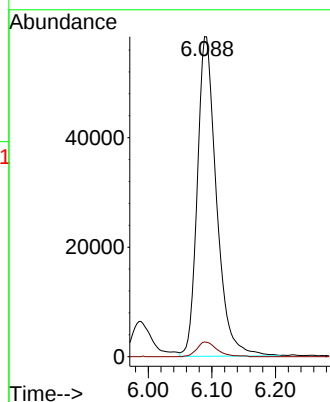
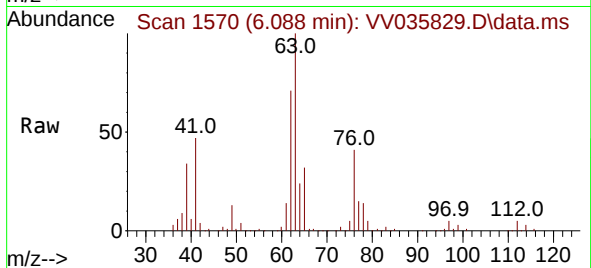
112 4.8 3.8 5.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/28/2024

Supervised By :Mahesh Dadoda 05/28/2024



#38

Bromodichloromethane

Concen: 47.292 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VV035829.D

Acq: 26 May 2024 03:58

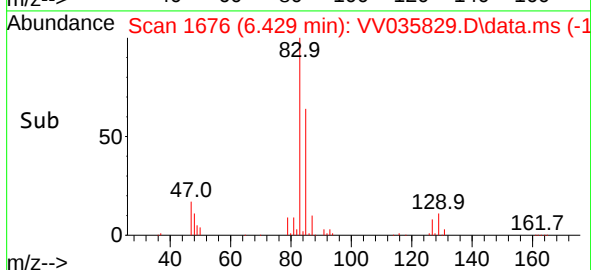
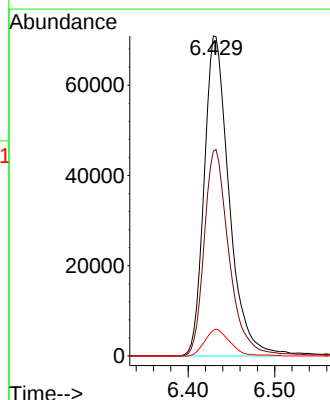
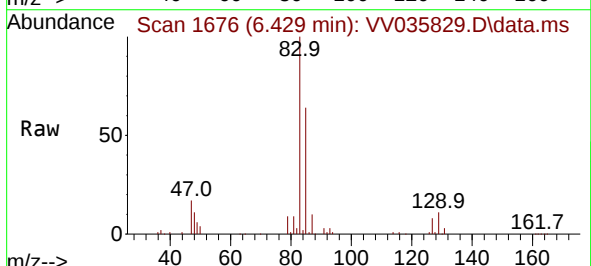
Tgt Ion: 83 Resp: 141780

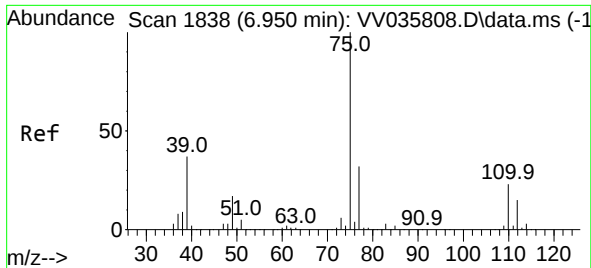
Ion Ratio Lower Upper

83 100

85 64.0 45.1 83.9

127 9.1 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 10.242 ug/L

RT: 6.963 min Scan# 1842

Delta R.T. 0.013 min

Lab File: VV035829.D

Acq: 26 May 2024 03:58

Instrument :

MSVOA_V

ClientSampleId :

A4D18MSD

Tgt Ion: 75 Resp: 3545

Ion Ratio Lower Upper

75 100

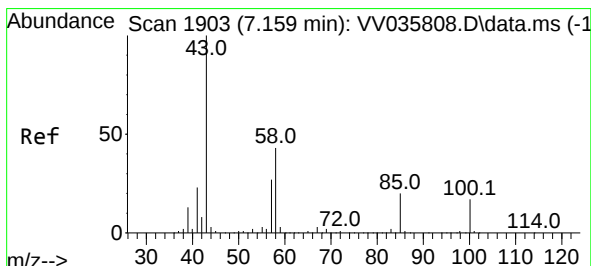
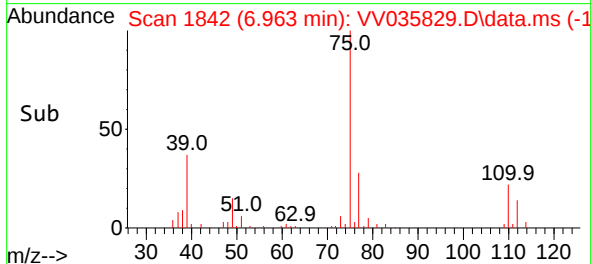
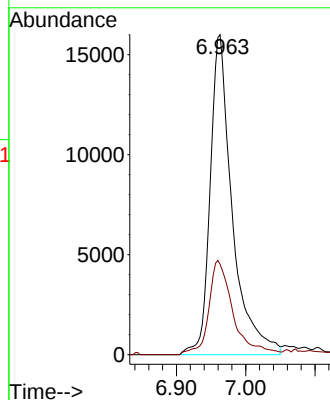
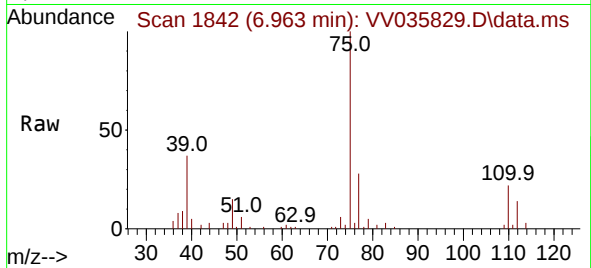
77 28.2 22.5 41.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/28/2024

Supervised By :Mahesh Dadoda 05/28/2024



#40

4-Methyl-2-pentanone

Concen: 36.299 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VV035829.D

Acq: 26 May 2024 03:58

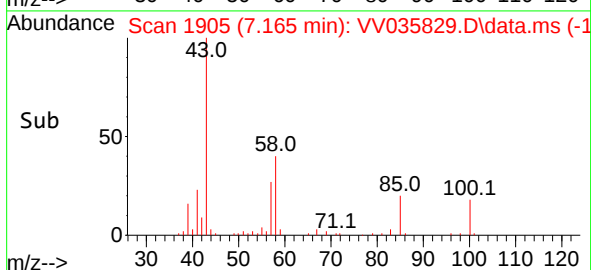
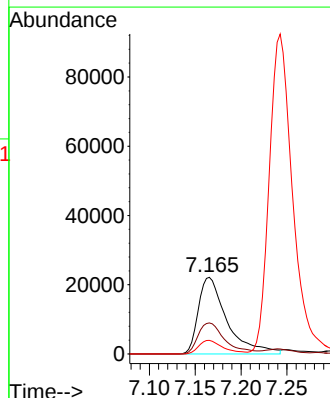
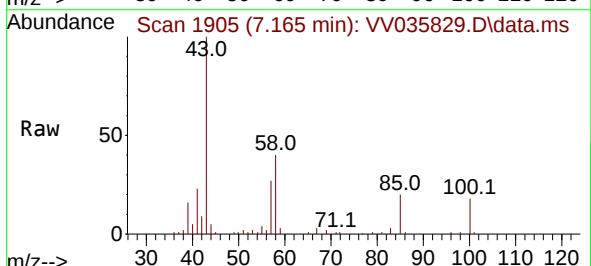
Tgt Ion: 43 Resp: 48110

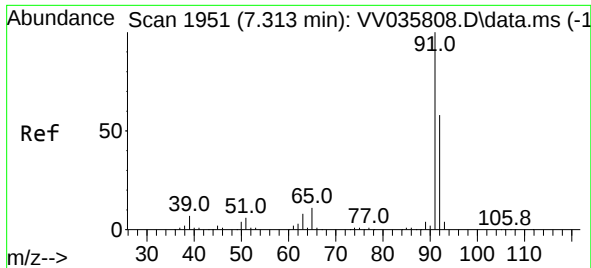
Ion Ratio Lower Upper

43 100

58 38.5 34.8 52.2

100 15.3 13.9 20.9





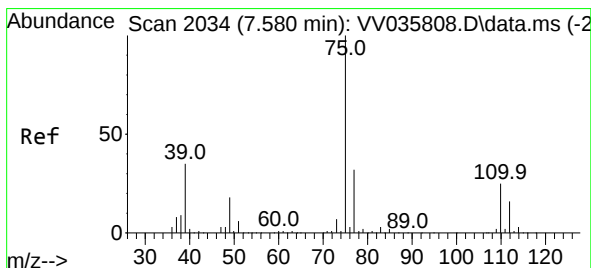
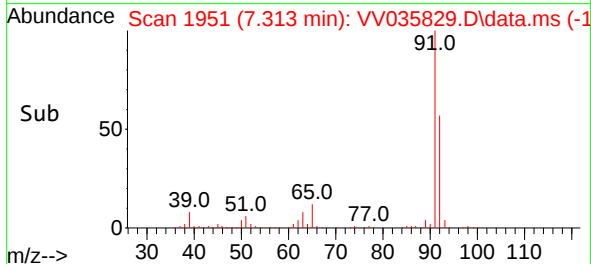
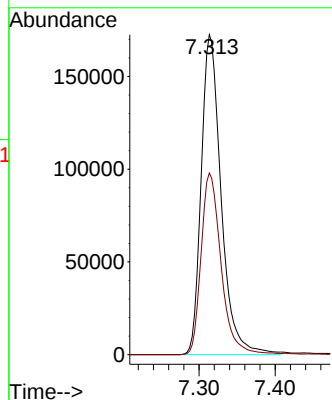
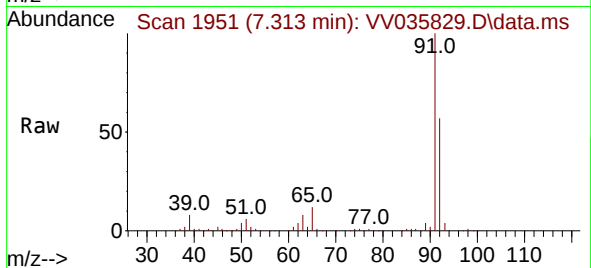
#42
Toluene
Concen: 35.042 ug/L
RT: 7.313 min Scan# 1951
Delta R.T. -0.000 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

Instrument :
MSVOA_V
ClientSampleId :
A4D18MSD

Tgt Ion: 91 Resp: 314559
Ion Ratio Lower Upper
91 100
92 56.8 40.2 74.6

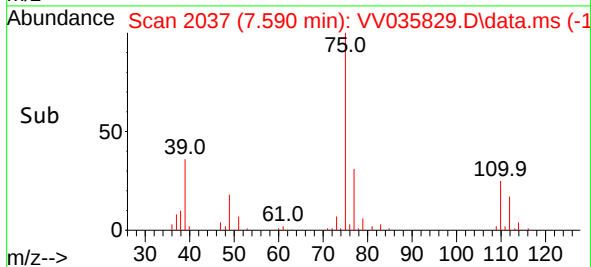
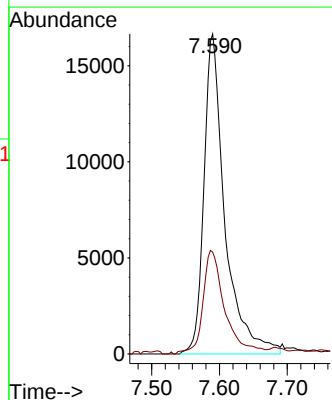
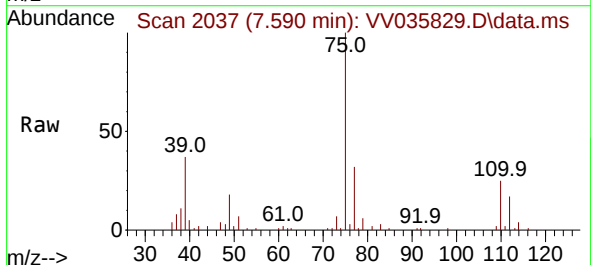
Manual Integrations
APPROVED

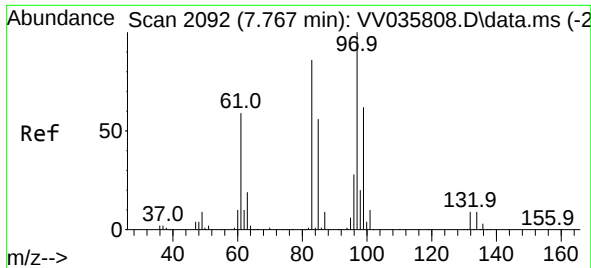
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#44
trans-1,3-Dichloropropene
Concen: 11.802 ug/L
RT: 7.590 min Scan# 2037
Delta R.T. 0.010 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

Tgt Ion: 75 Resp: 35737
Ion Ratio Lower Upper
75 100
77 31.9 22.4 41.6





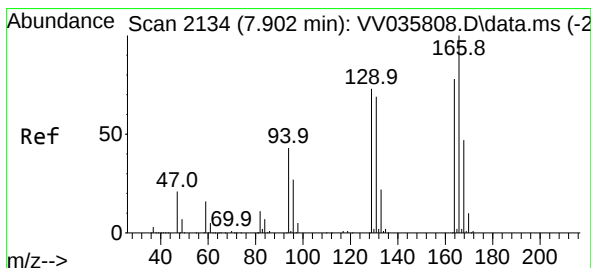
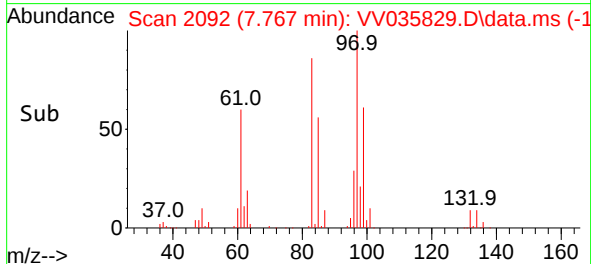
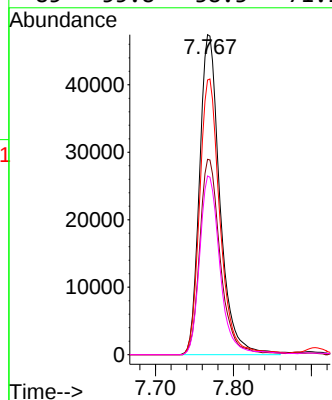
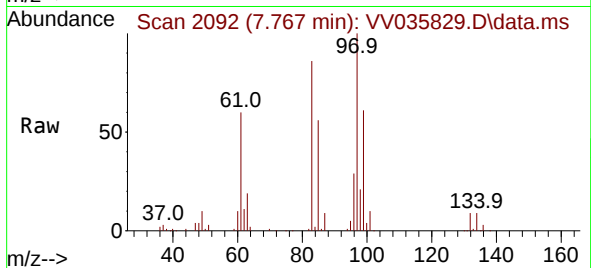
#45
1,1,2-Trichloroethane
Concen: 45.818 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.000 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

Instrument : MSVOA_V
ClientSampleId : A4D18MSD

Tgt Ion: 97	Resp: 8615
Ion Ratio	Lower Upper
97 100	
99 61.1	43.3 80.3
83 85.8	60.3 111.9
85 55.8	38.3 71.1

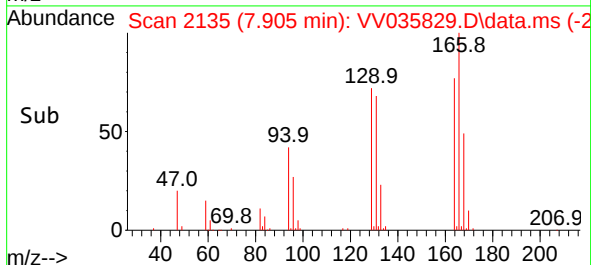
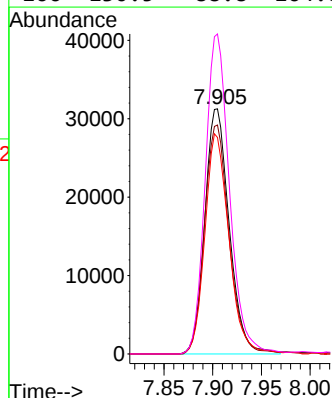
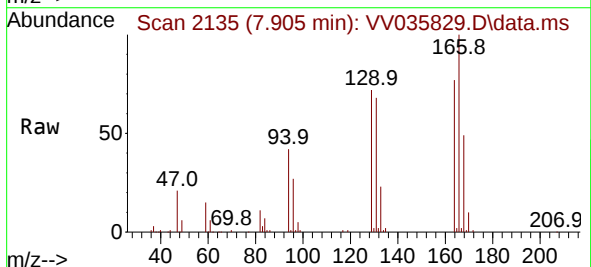
Manual Integrations
APPROVED

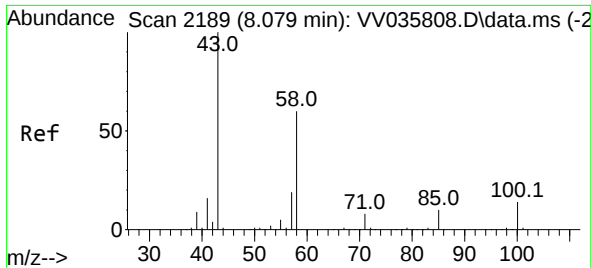
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#46
Tetrachloroethene
Concen: 27.959 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

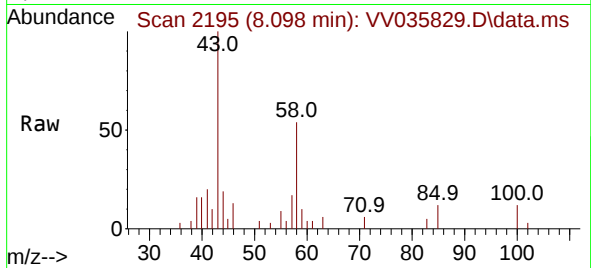
Tgt Ion:164	Resp: 54500
Ion Ratio	Lower Upper
164 100	
129 93.4	63.4 117.8
131 88.3	61.0 113.4
166 130.5	88.8 164.8





#48
2-Hexanone
Concen: 12.242 ug/L
RT: 8.098 min Scan# 2189
Delta R.T. 0.019 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

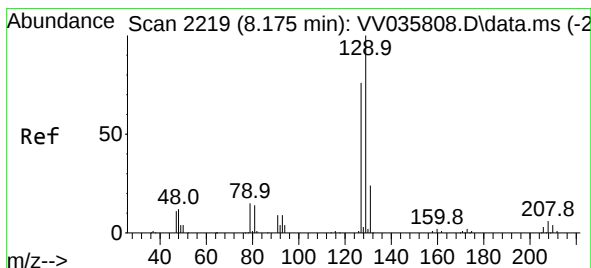
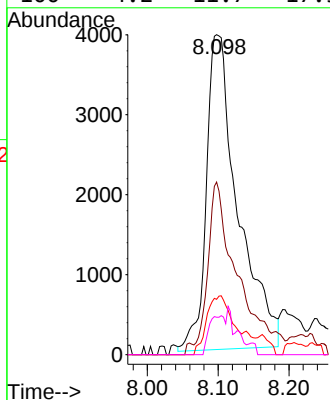
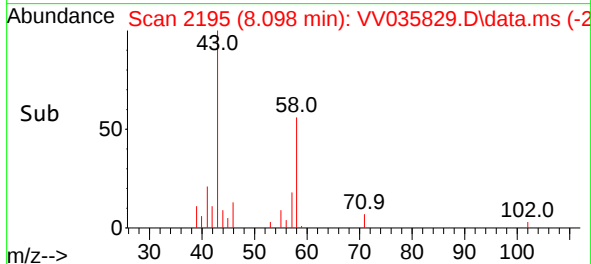
Instrument :
MSVOA_V
ClientSampleId :
A4D18MSD



Tgt Ion: 43 Resp: 12160
Ion Ratio Lower Upper
43 100
58 43.1 48.8 73.2
57 0.0 16.9 25.3
100 4.2 11.7 17.5

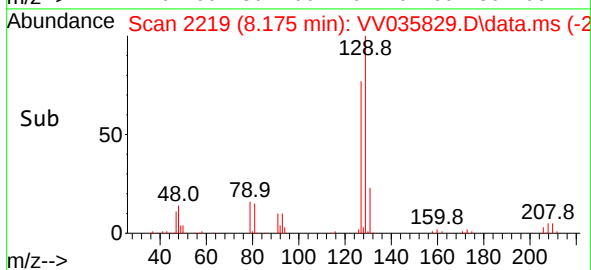
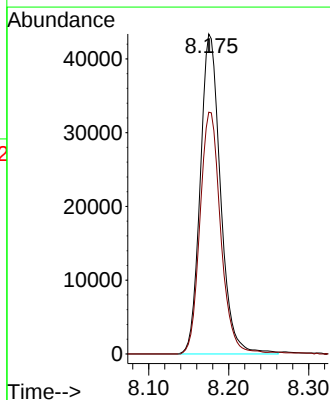
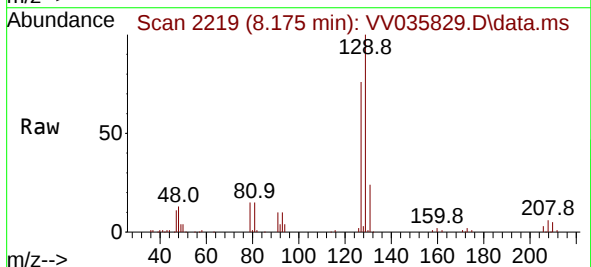
Manual Integrations
APPROVED

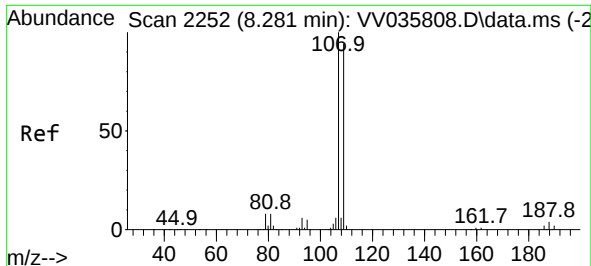
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#49
Dibromochloromethane
Concen: 36.002 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.000 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

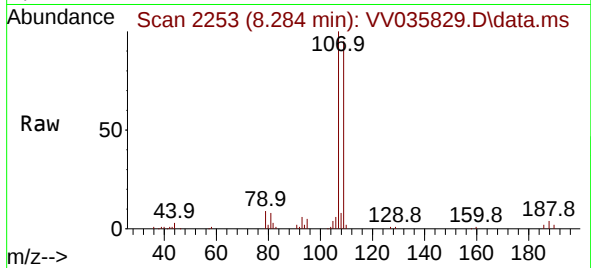
Tgt Ion:129 Resp: 76388
Ion Ratio Lower Upper
129 100
127 75.5 53.8 99.8





#50
1,2-Dibromoethane
Concen: 25.163 ug/L
RT: 8.284 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

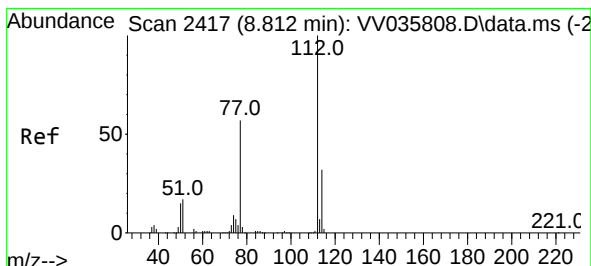
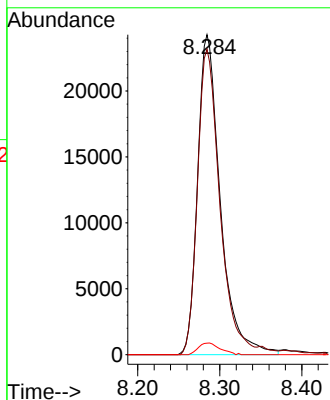
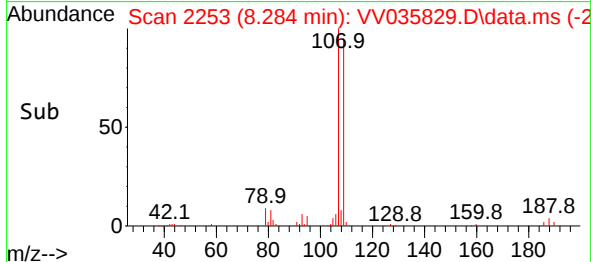
Instrument :
MSVOA_V
ClientSampleId :
A4D18MSD



Tgt Ion:107 Resp: 4661
Ion Ratio Lower Upper
107 100
109 95.4 65.4 121.4
188 3.6 2.9 4.3

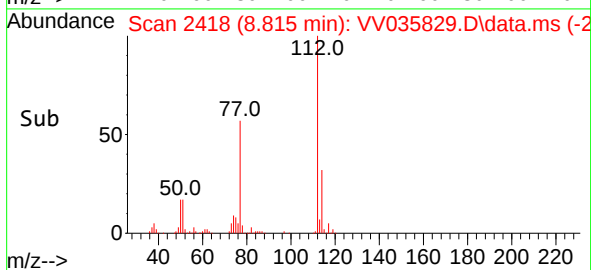
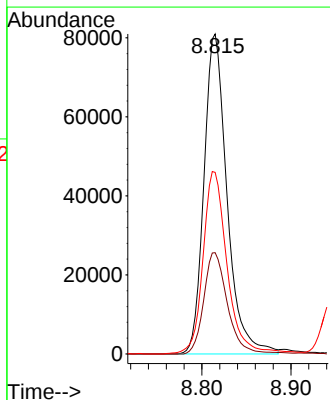
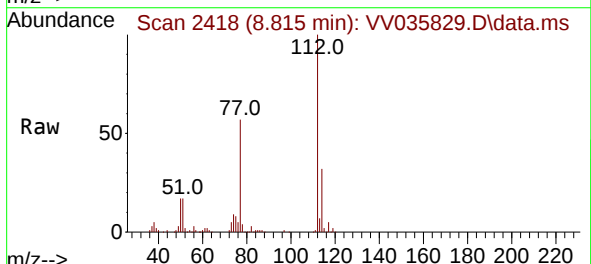
Manual Integrations
APPROVED

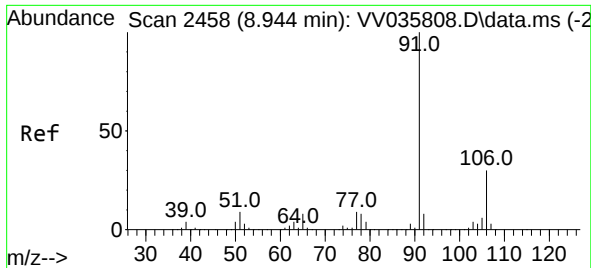
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#51
Chlorobenzene
Concen: 23.417 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.003 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

Tgt Ion:112 Resp: 145857
Ion Ratio Lower Upper
112 100
114 31.6 22.5 41.7
77 56.8 46.6 69.8





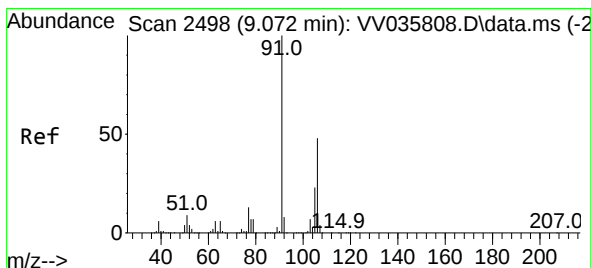
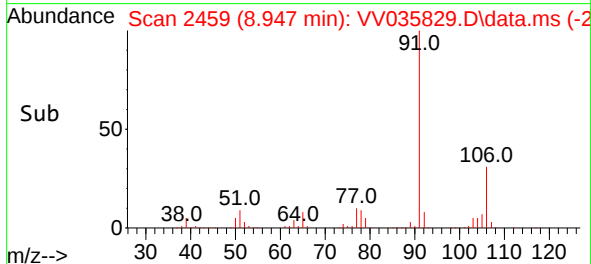
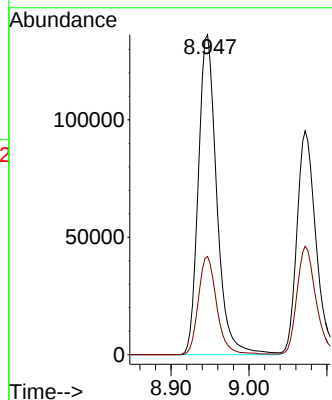
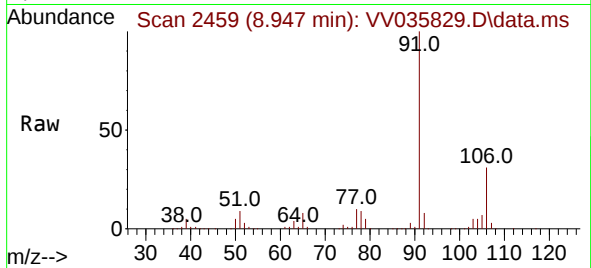
#52
Ethylbenzene
Concen: 22.606 ug/L
RT: 8.947 min Scan# 2458
Delta R.T. 0.003 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

Instrument :
MSVOA_V
ClientSampleId :
A4D18MSD

Tgt Ion: 91 Resp: 224049
Ion Ratio Lower Upper
91 100
106 30.7 21.7 40.3

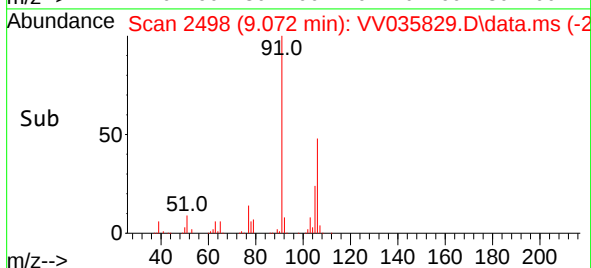
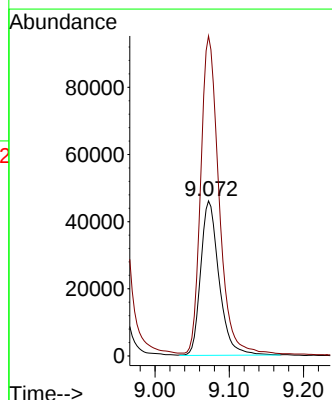
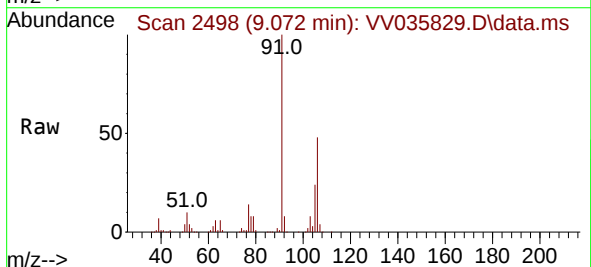
Manual Integrations
APPROVED

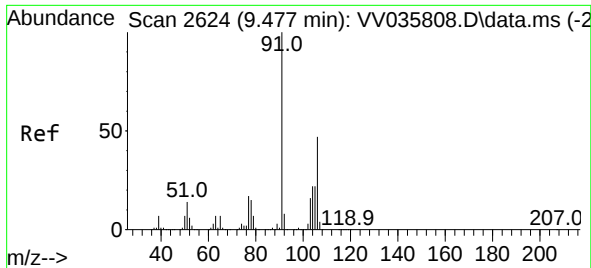
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#53
m,p-Xylene
Concen: 21.038 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

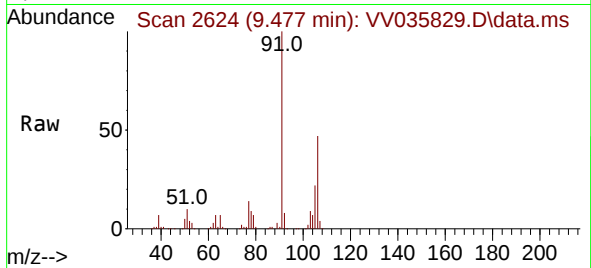
Tgt Ion:106 Resp: 79107
Ion Ratio Lower Upper
106 100
91 206.4 142.7 264.9





#54
o-Xylene
Concen: 21.297 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

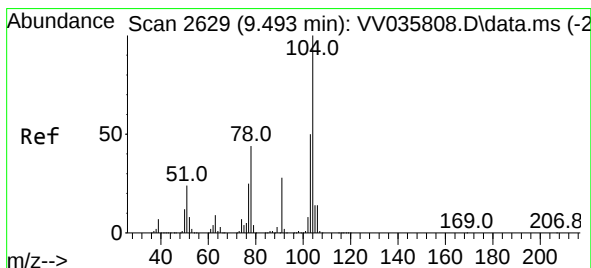
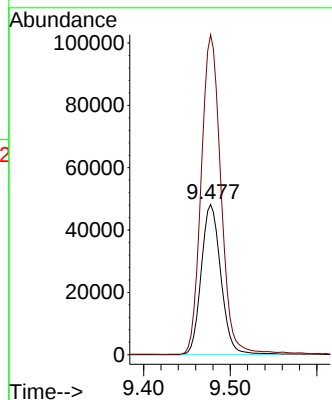
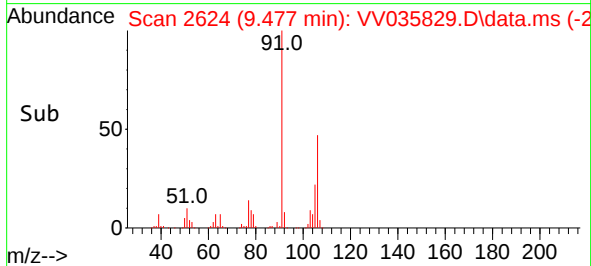
Instrument :
MSVOA_V
ClientSampleId :
A4D18MSD



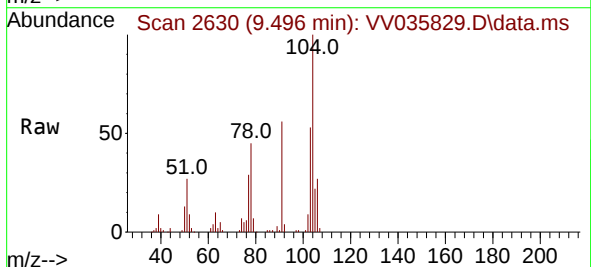
Tgt Ion:106 Resp: 7589
Ion Ratio Lower Upper
106 100
91 212.9 150.9 280.3

Manual Integrations
APPROVED

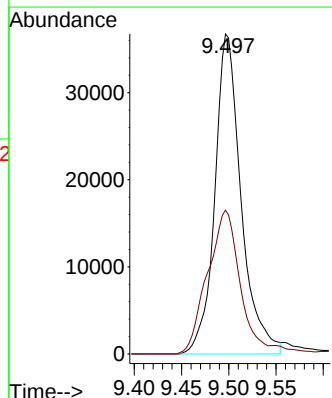
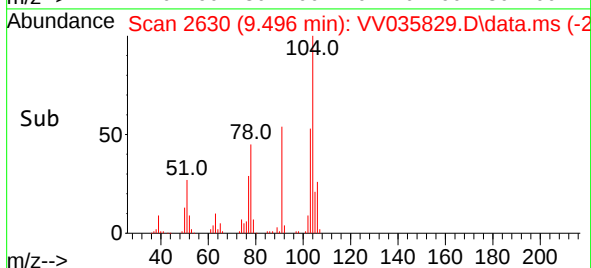
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024

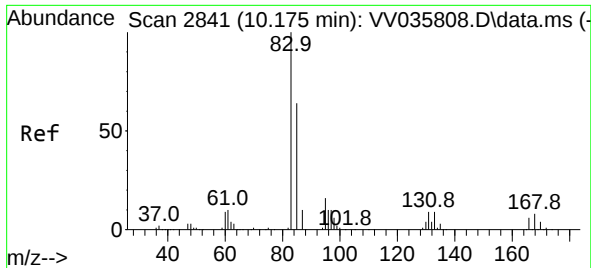


#55
Styrene
Concen: 11.433 ug/L
RT: 9.496 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58



Tgt Ion:104 Resp: 71068
Ion Ratio Lower Upper
104 100
78 45.0 30.0 55.6





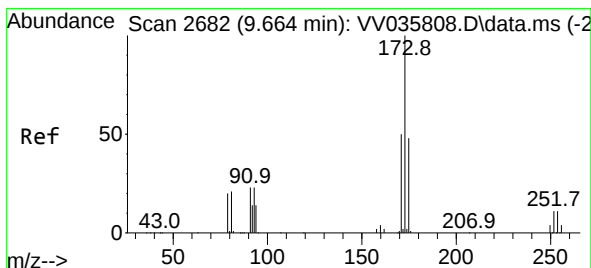
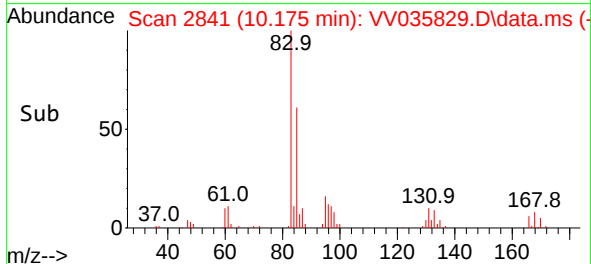
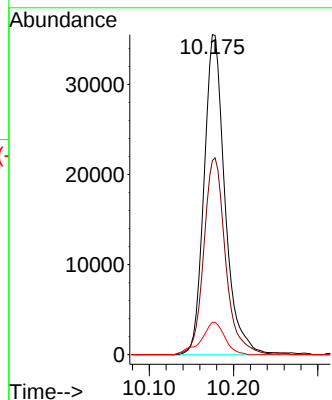
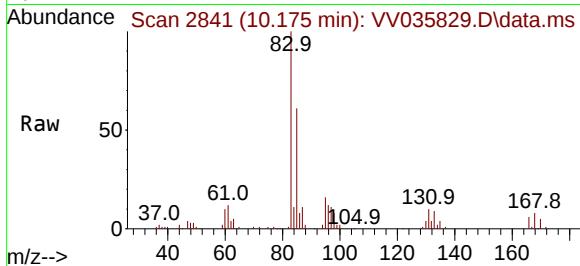
#57
1,1,2,2-Tetrachloroethane
Concen: 26.817 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. -0.000 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

Instrument : MSVOA_V
ClientSampleId : A4D18MSD

Tgt Ion: 83 Resp: 61425
Ion Ratio Lower Upper
83 100
85 60.6 44.7 83.1
131 10.1 8.0 12.0

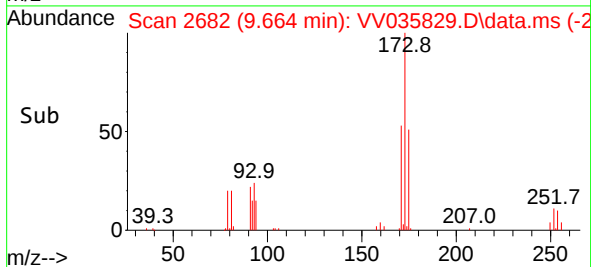
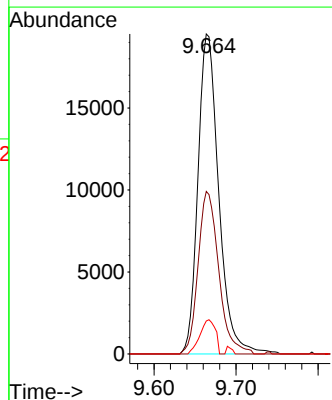
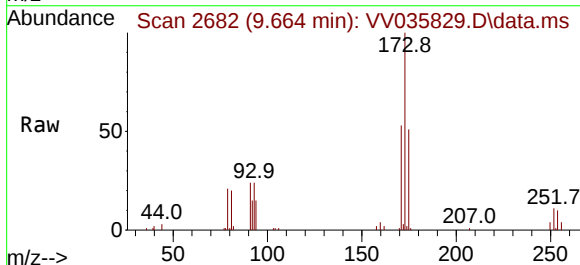
Manual Integrations
APPROVED

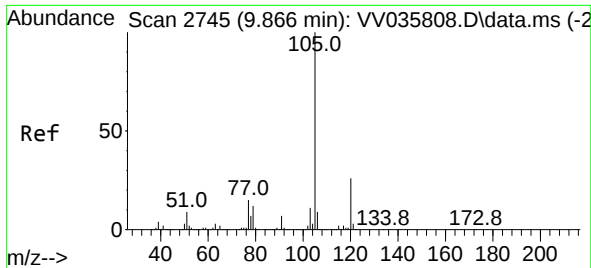
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#59
Bromoform
Concen: 59.541 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. -0.000 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

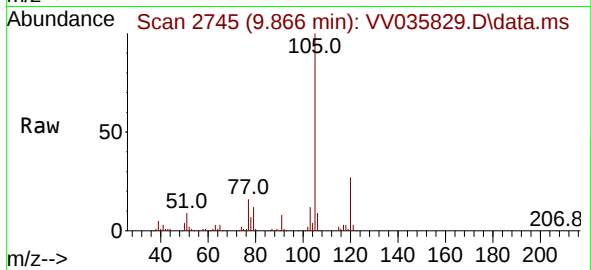
Tgt Ion:173 Resp: 34400
Ion Ratio Lower Upper
173 100
175 50.3 38.7 58.1
254 7.9 8.3 12.5





#60
Isopropylbenzene
Concen: 47.020 ug/L
RT: 9.866 min Scan# 2745
Delta R.T. -0.000 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

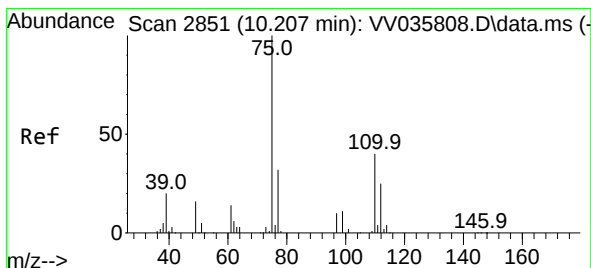
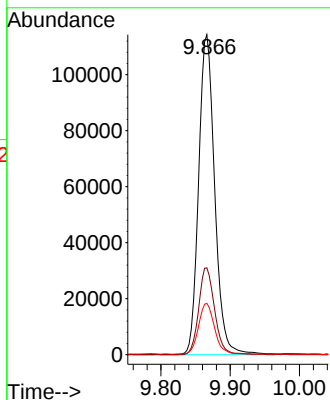
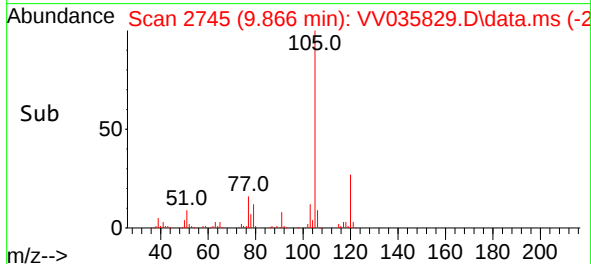
Instrument :
MSVOA_V
ClientSampleId :
A4D18MSD



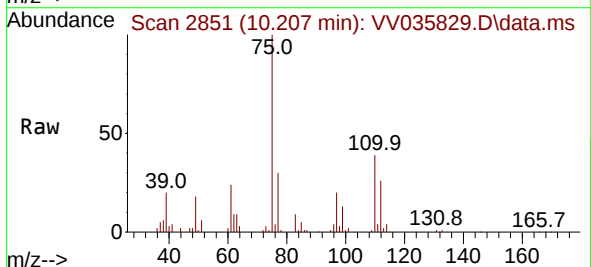
Tgt Ion:105 Resp: 184130
Ion Ratio Lower Upper
105 100
120 26.8 21.3 31.9
77 15.7 12.2 18.2

Manual Integrations
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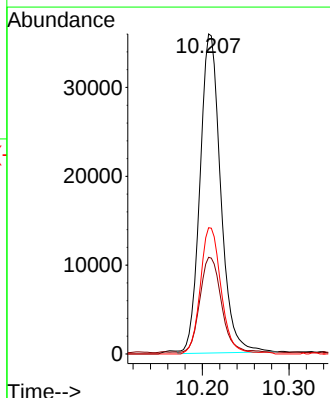
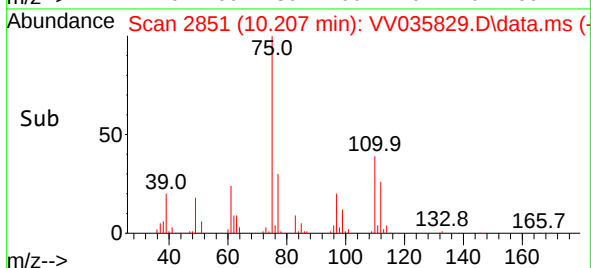
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024

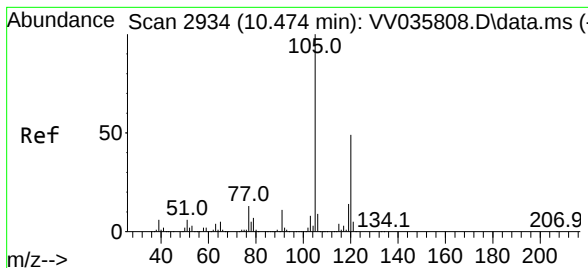


#61
1,2,3-Trichloropropane
Concen: 86.551 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58



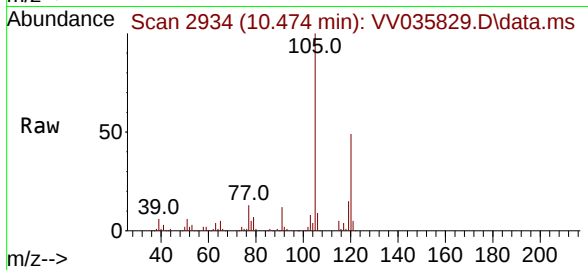
Tgt Ion: 75 Resp: 59626
Ion Ratio Lower Upper
75 100
77 30.5 25.7 38.5
110 39.7 31.8 47.8





#62
 1,3,5-Trimethylbenzene
 Concen: 32.343 ug/L
 RT: 10.474 min Scan# 2934
 Delta R.T. -0.000 min
 Lab File: VV035829.D
 Acq: 26 May 2024 03:58

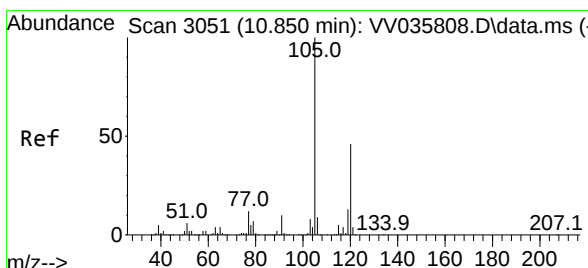
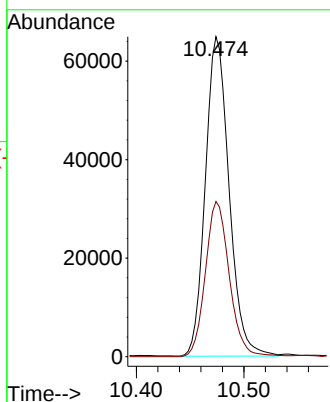
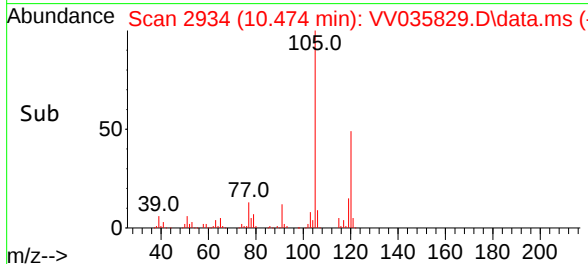
Instrument :
 MSVOA_V
 ClientSampleId :
 A4D18MSD



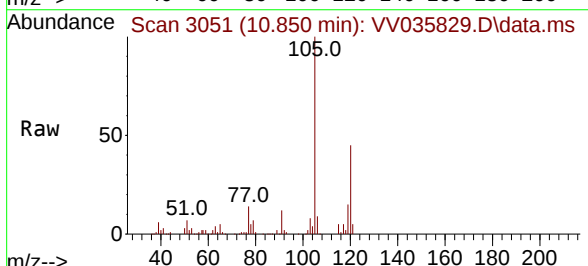
Tgt Ion:105 Resp: 9936
 Ion Ratio Lower Upper
 105 100
 120 49.0 39.4 59.0

Manual Integrations
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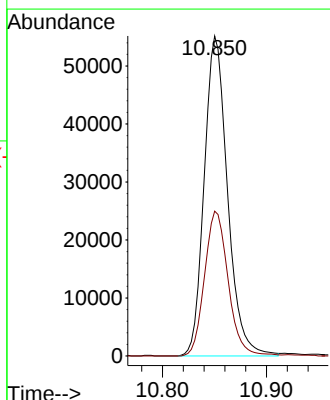
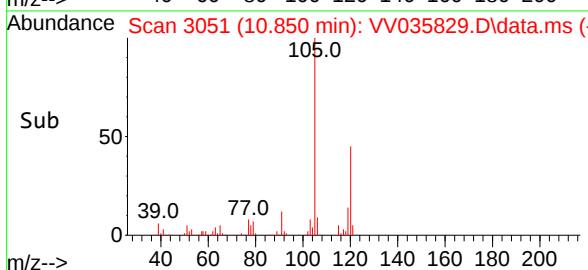
Reviewed By :Semsettin Yesilyurt 05/28/2024
 Supervised By :Mahesh Dadoda 05/28/2024

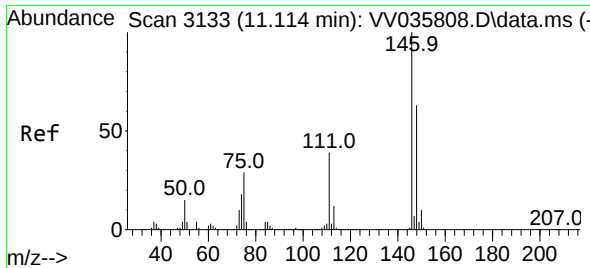


#63
 1,2,4-Trimethylbenzene
 Concen: 27.229 ug/L
 RT: 10.850 min Scan# 3051
 Delta R.T. -0.000 min
 Lab File: VV035829.D
 Acq: 26 May 2024 03:58



Tgt Ion:105 Resp: 85963
 Ion Ratio Lower Upper
 105 100
 120 45.8 36.6 55.0





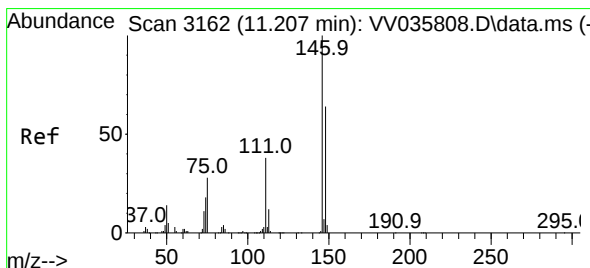
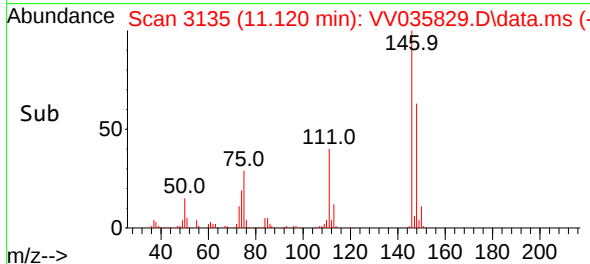
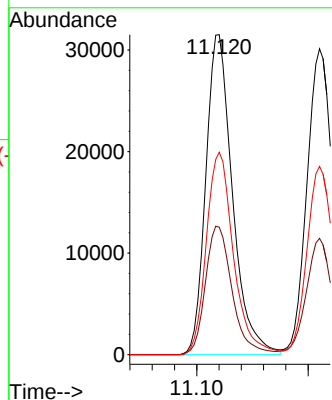
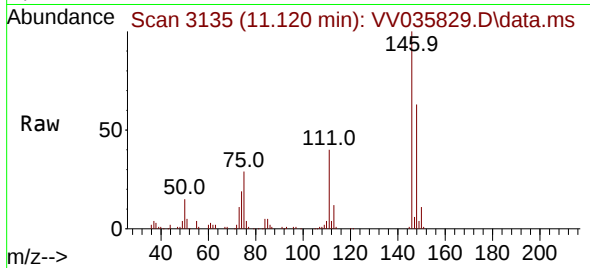
#64
1,3-Dichlorobenzene
Concen: 25.537 ug/L
RT: 11.120 min Scan# 3113
Delta R.T. 0.006 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

Instrument :
MSVOA_V
ClientSampleId :
A4D18MSD

Tgt Ion:146 Resp: 5248
Ion Ratio Lower Upper
146 100
111 39.9 27.0 50.2
148 63.2 44.3 82.3

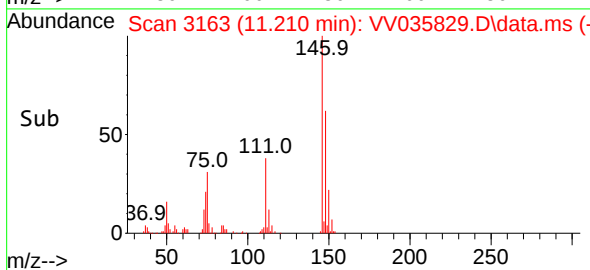
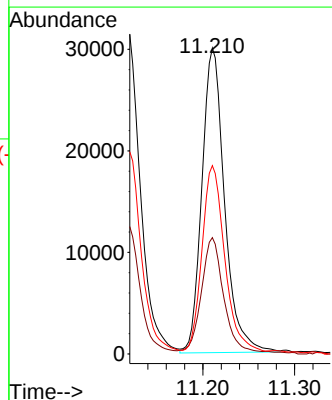
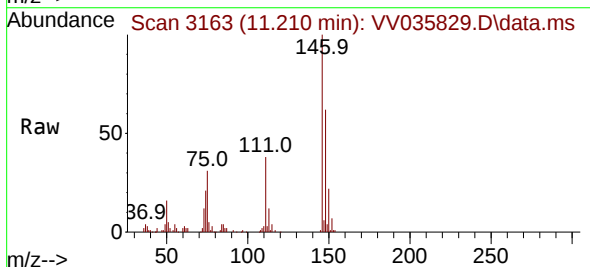
Manual Integrations
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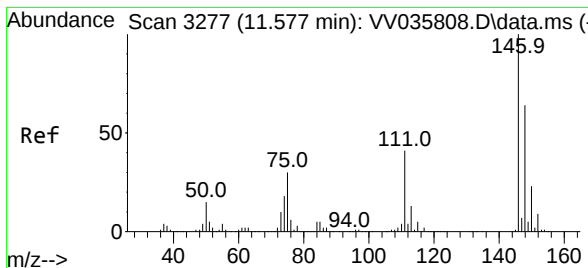
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#65
1,4-Dichlorobenzene
Concen: 24.239 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

Tgt Ion:146 Resp: 51570
Ion Ratio Lower Upper
146 100
111 38.0 26.2 48.6
148 61.6 44.9 83.3





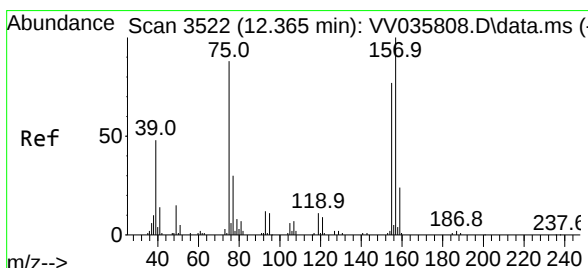
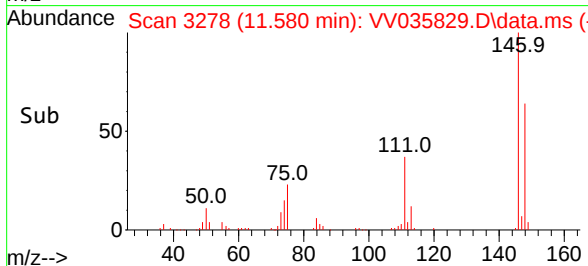
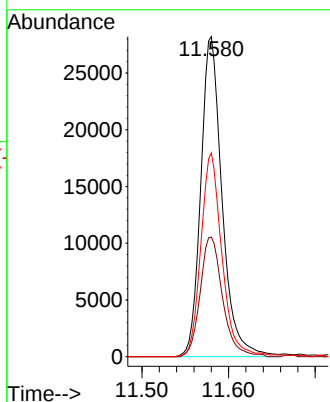
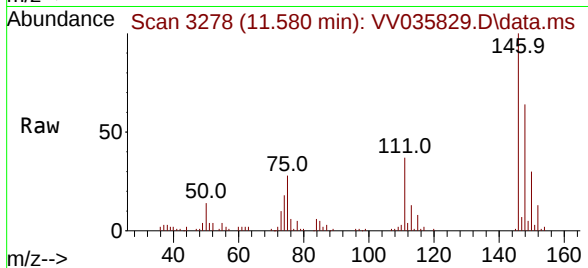
#67
1,2-Dichlorobenzene
Concen: 24.937 ug/L
RT: 11.580 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

Instrument :
MSVOA_V
ClientSampleId :
A4D18MSD

Tgt Ion:146 Resp: 4824
Ion Ratio Lower Upper
146 100
111 37.4 32.6 48.8
148 63.7 51.1 76.7

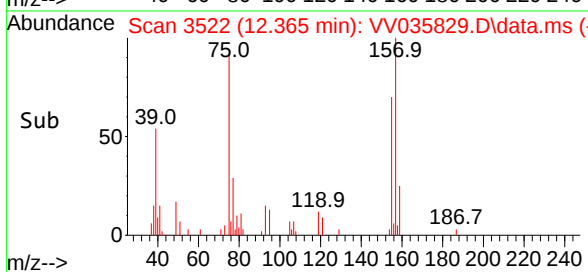
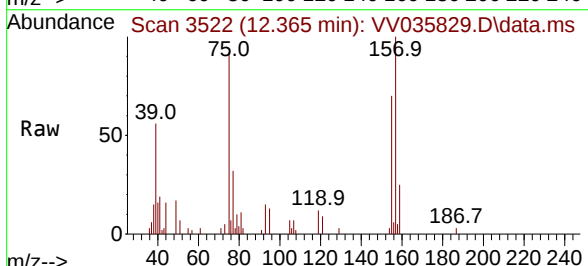
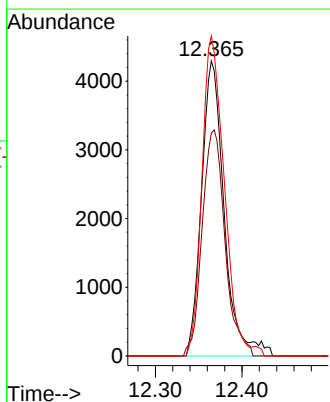
Manual Integrations
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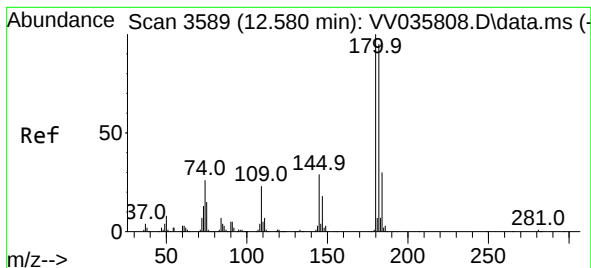
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#68
1,2-Dibromo-3-chloropropane
Concen: 48.725 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. -0.000 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

Tgt Ion: 75 Resp: 7785
Ion Ratio Lower Upper
75 100
155 75.6 69.8 104.6
157 108.4 95.0 142.6





#69

1,3,5-Trichlorobenzene

Concen: 12.575 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.003 min

Lab File: VV035829.D

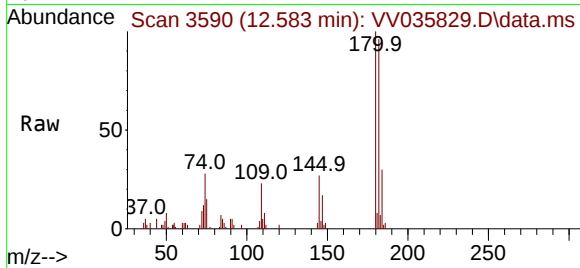
Acq: 26 May 2024 03:58

Instrument :

MSVOA_V

ClientSampleId :

A4D18MSD



Tgt Ion:180 Resp: 20190

Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.2

184 29.4 24.1 36.1

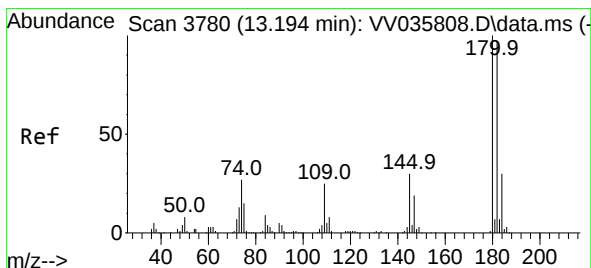
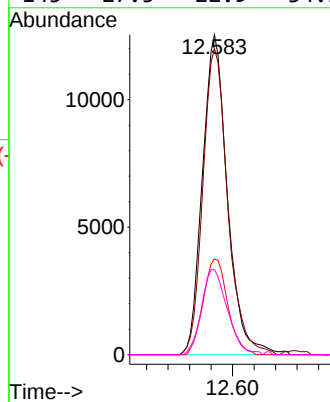
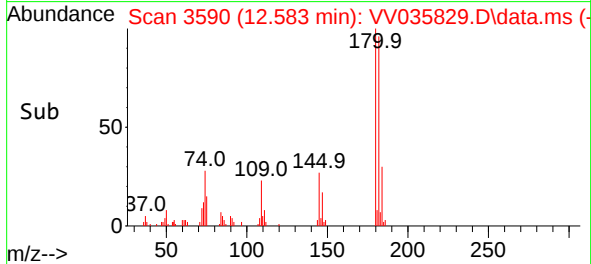
145 27.5 22.9 34.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/28/2024

Supervised By :Mahesh Dadoda 05/28/2024



#70

1,2,4-trichlorobenzene

Concen: 8.193 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.006 min

Lab File: VV035829.D

Acq: 26 May 2024 03:58

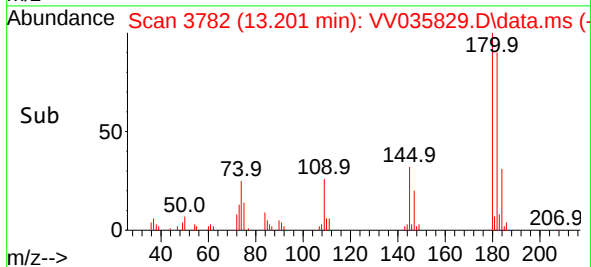
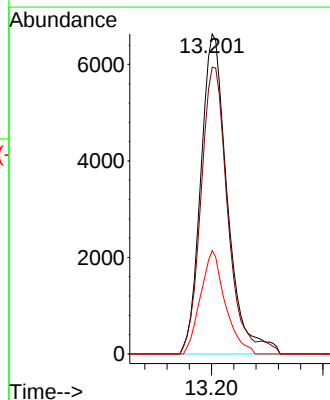
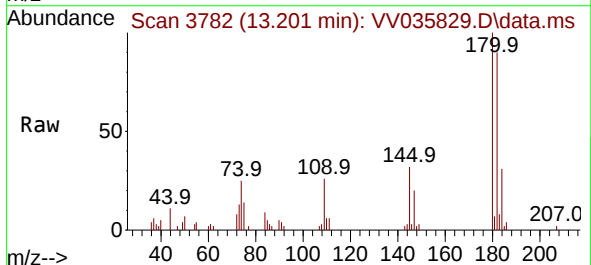
Tgt Ion:180 Resp: 10987

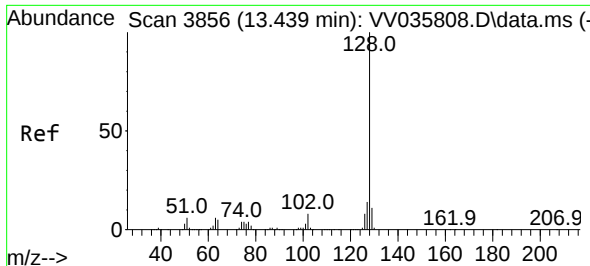
Ion Ratio Lower Upper

180 100

182 88.6 76.6 114.8

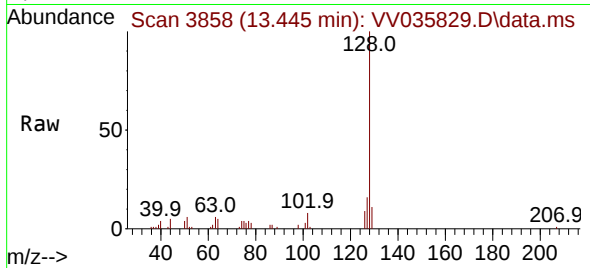
145 30.0 23.2 34.8





#71
Naphthalene
Concen: 9.595 ug/L
RT: 13.445 min Scan# 3856
Delta R.T. 0.006 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

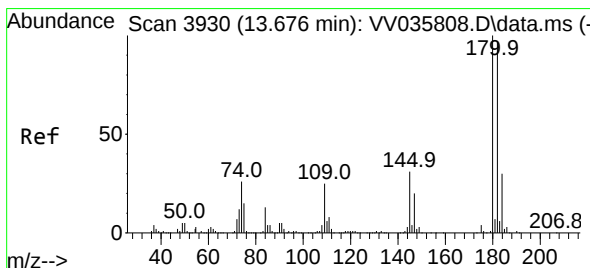
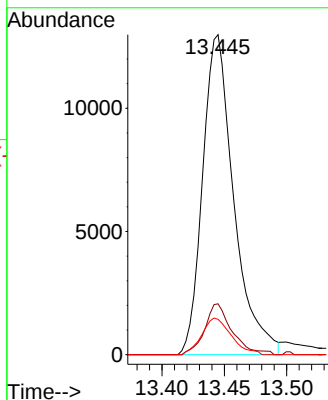
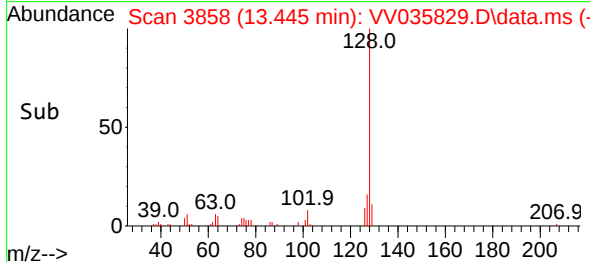
Instrument :
MSVOA_V
ClientSampleId :
A4D18MSD



Tgt Ion:128 Resp: 22590
Ion Ratio Lower Upper
128 100
127 13.9 10.4 15.6
129 10.9 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#72
1,2,3-Trichlorobenzene
Concen: 7.104 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. 0.006 min
Lab File: VV035829.D
Acq: 26 May 2024 03:58

Tgt Ion:180 Resp: 8570
Ion Ratio Lower Upper
180 100
182 94.9 75.8 113.6
145 32.2 25.2 37.8

