

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112224\
 Data File : VV038275.D
 Acq On : 22 Nov 2024 17:30
 Operator : SY/MD
 Sample : P4884-18
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3P3

Manual Integrations
 APPROVED

Reviewed By :Mahesh

Dadoda

11/25/2024

Supervised By :Semsettin

Yesilyurt

11/25/2024

Quant Time: Nov 23 01:20:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 22 23:57:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	242497	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	265509	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	112199	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	65264	3.511	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.200%
7) Chloroethane-d5	1.529	69	66083	4.395	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.000%
11) 1,1-Dichloroethene-d2	2.053	65	32227	4.029	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.600%
20) 2-Butanone-d5	3.780	46	211051	56.761	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.520%
24) Chloroform-d	4.239	84	170640	4.730	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	4.934	65	85296	5.270	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.400%
32) Benzene-d6	4.953	84	293024	4.270	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.400%
36) 1,2-Dichloropropane-d6	5.982	67	102218	4.841	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.800%
41) Toluene-d8	7.236	98	225410	3.550	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.000%
43) trans-1,3-Dichloroprop...	7.558	79	30973	3.945	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.000%
46) 2-Hexanone-d5	8.017	63	192407	63.049	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.100%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	85914	4.793	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.800%
66) 1,2-Dichlorobenzene-d4	11.554	152	94965	4.968	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.400%
Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.105	85	101874	4.440	ug/L	98
5) Vinyl chloride	1.278	62	10939	0.489	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	11062	0.608	ug/L	91
12) 1,1-Dichloroethene	2.063	96	183144	10.574	ug/L #	78
16) Methylene chloride	2.442	84	38290	1.939	ug/L	98
17) Methyl tert-butyl Ether	2.706	73	4154	0.106	ug/L #	88
18) trans-1,2-Dichloroethene	2.696	96	3457	0.189	ug/L	91
19) 1,1-Dichloroethane	3.104	63	44582	1.346	ug/L	96
22) cis-1,2-Dichloroethene	3.802	96	275795	14.618	ug/L	97
25) Chloroform	4.265	83	22363	0.631	ug/L	97
29) 1,1,1-Trichloroethane	4.503	97	169651	5.328	ug/L	98
31) Carbon tetrachloride	4.725	117	3270	0.116	ug/L	94
34) Trichloroethene	5.818	95	4815843	236.877	ug/L	99
42) Toluene	7.320	91	39808	0.504	ug/L	99
45) 1,1,2-Trichloroethane	7.780	97	5522	0.364	ug/L	96
47) Tetrachloroethene	7.902	164	17687816m	1082.703	ug/L	
51) Chlorobenzene	8.815	112	18656	0.343	ug/L	95
52) Ethylbenzene	8.953	91	12332	0.147	ug/L	92
53) m,p-Xylene	9.075	106	7650	0.242	ug/L	95

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Reviewed By :Mahesh
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11/25/2024

Supervised By :Semsettin
Yesilyurt
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QLast Update : Fri Nov 22 23:57:44 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.574	146	7239	0.225	ug/L	93

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

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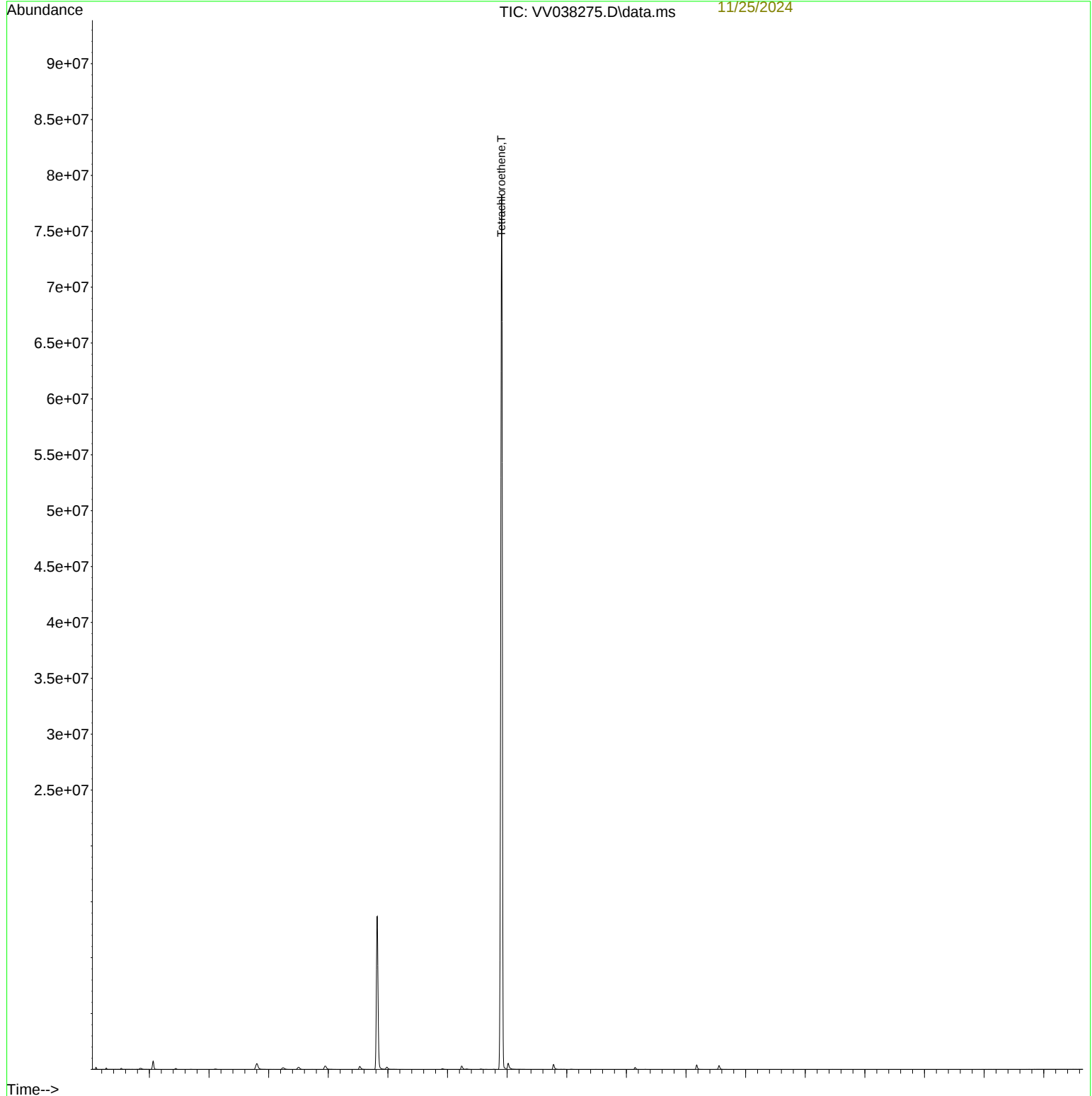
Manual Integrations
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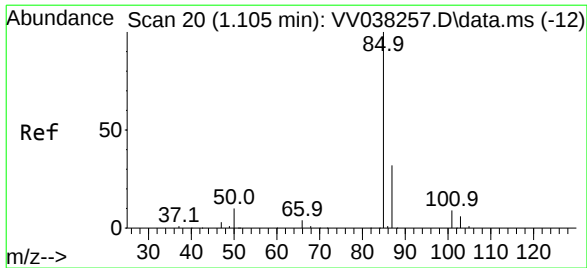
Reviewed By :Mahesh
Dadoda

11/25/2024

Supervised By :Semsettin
Yesilyurt

11/25/2024





#2
Dichlorodifluoromethane
Concen: 4.440 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV038275.D
Acq: 22 Nov 2024 17:30

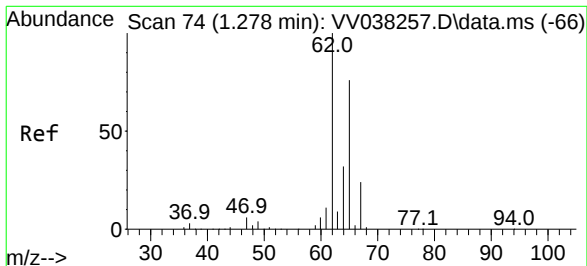
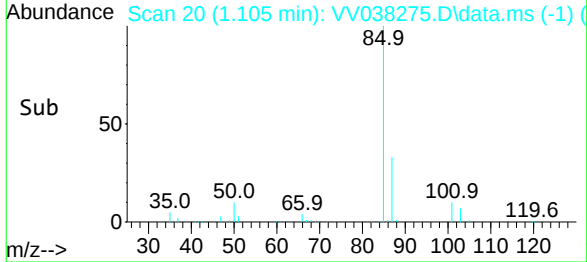
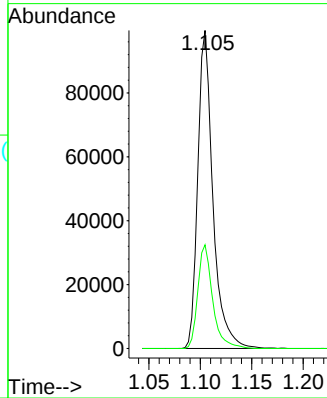
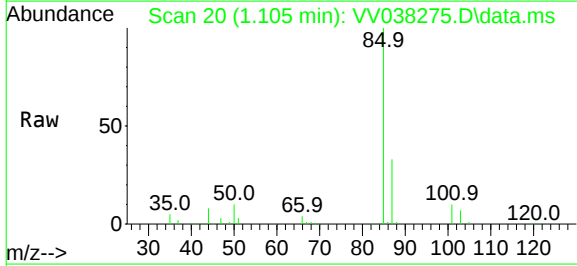
Instrument :
MSVOA_V
ClientSampleId :
BG3P3

Tgt Ion: 85 Resp: 101874
Ion Ratio Lower Upper
85 100
87 32.0 26.5 39.7

Manual Integrations
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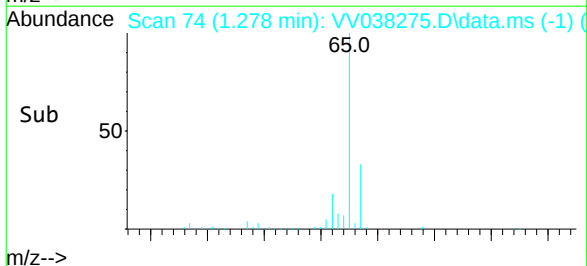
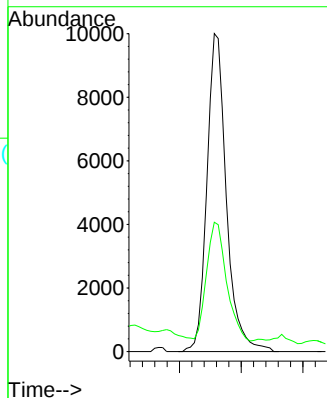
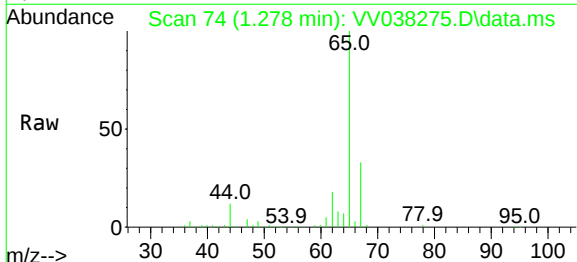
Reviewed By :Mahesh
Dadoda
11/25/2024

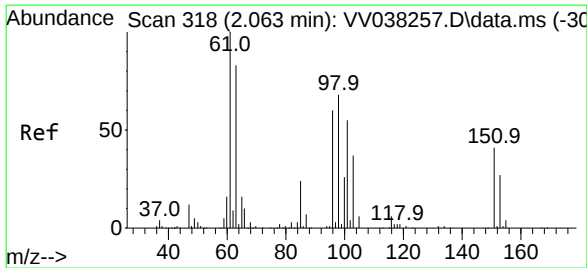
Supervised By :Semsettin
Yesilyurt
11/25/2024



#5
Vinyl chloride
Concen: 0.489 ug/L
RT: 1.278 min Scan# 74
Delta R.T. -0.000 min
Lab File: VV038275.D
Acq: 22 Nov 2024 17:30

Tgt Ion: 62 Resp: 10939
Ion Ratio Lower Upper
62 100
64 40.7 24.4 45.4





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.608 ug/L
RT: 2.063 min Scan# 318
Delta R.T. -0.000 min
Lab File: VV038275.D
Acq: 22 Nov 2024 17:30

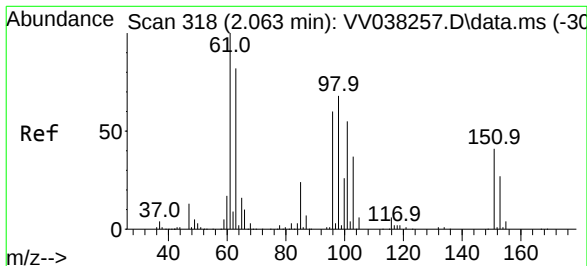
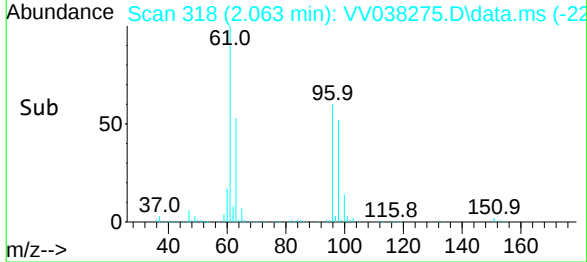
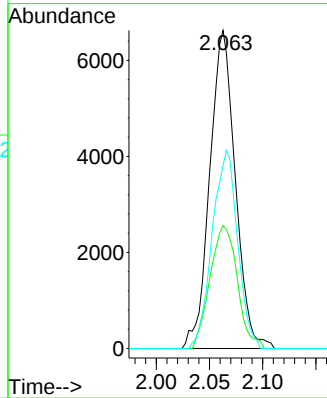
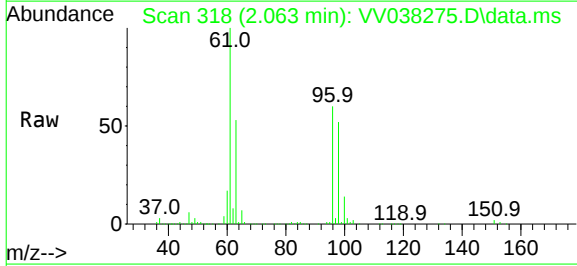
Instrument :
MSVOA_V
ClientSampleId :
BG3P3

Tgt Ion:	101	Resp:	11062
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.4	50.0
151	61.9	58.8	88.2

Manual Integrations
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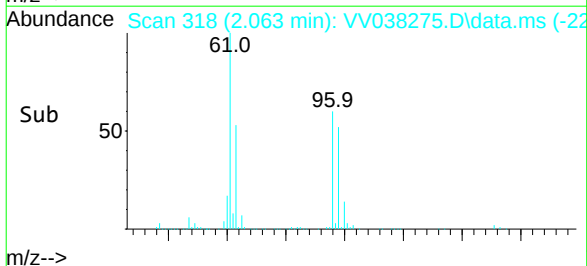
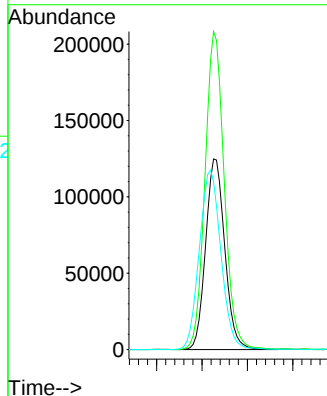
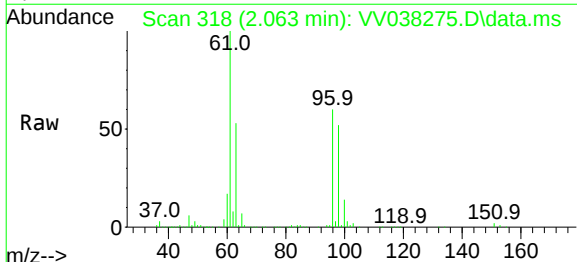
Reviewed By :Mahesh
Dadoda
11/25/2024

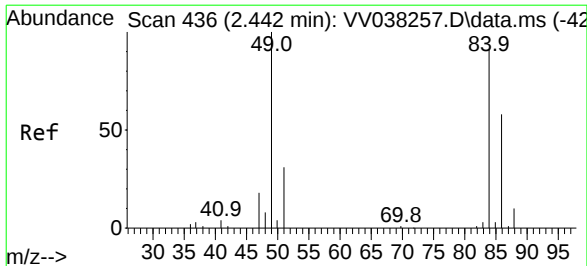
Supervised By :Semsettin
Yesilyurt
11/25/2024



#12
1,1-Dichloroethene
Concen: 10.574 ug/L
RT: 2.063 min Scan# 318
Delta R.T. -0.000 min
Lab File: VV038275.D
Acq: 22 Nov 2024 17:30

Tgt Ion:	96	Resp:	183144
Ion Ratio	Lower	Upper	
96	100		
61	166.8	115.7	214.9
63	87.9	101.1	187.7





#16

Methylene chloride

Concen: 1.939 ug/L

RT: 2.442 min Scan# 43

Delta R.T. -0.000 min

Lab File: VV038275.D

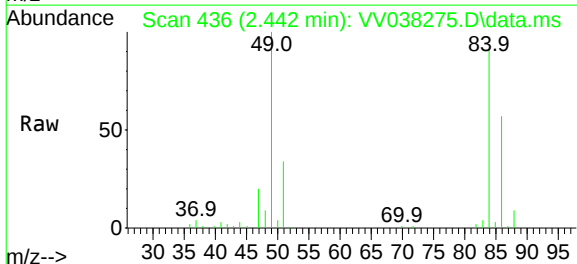
Acq: 22 Nov 2024 17:30

Instrument :

MSVOA_V

ClientSampleId :

BG3P3



Tgt Ion:	84	Resp:	38290
Ion	Ratio	Lower	Upper
84	100		
86	63.2	44.2	82.2
49	110.1	74.9	139.1

Manual Integrations
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Reviewed By :Mahesh

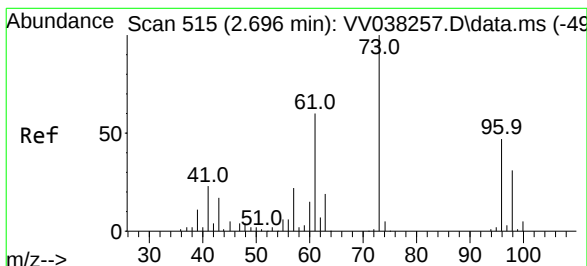
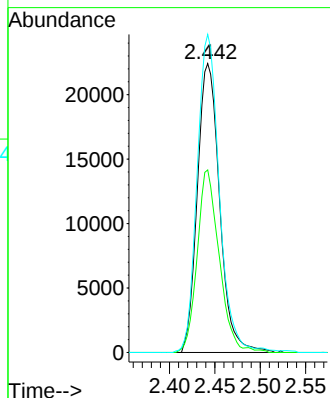
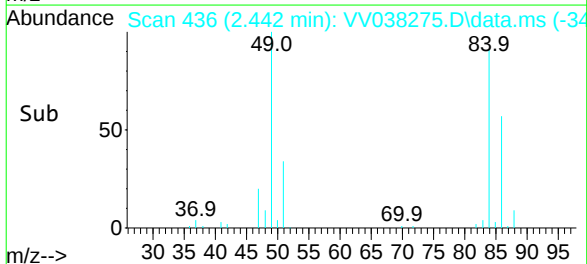
Dadoda

11/25/2024

Supervised By :Semsettin

Yesilyurt

11/25/2024



#17

Methyl tert-butyl Ether

Concen: 0.106 ug/L

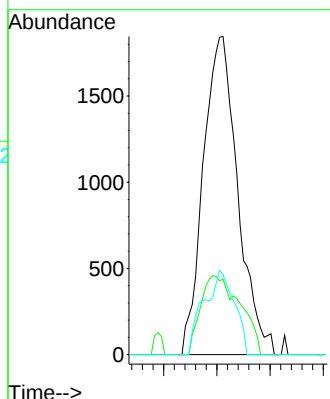
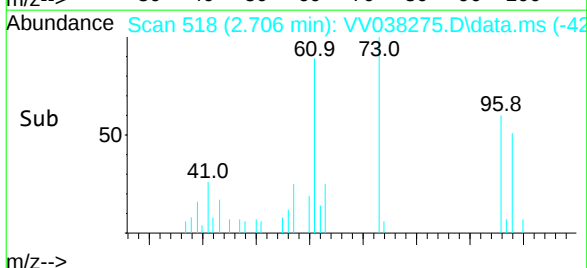
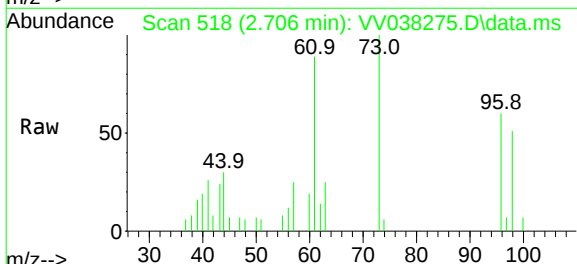
RT: 2.706 min Scan# 518

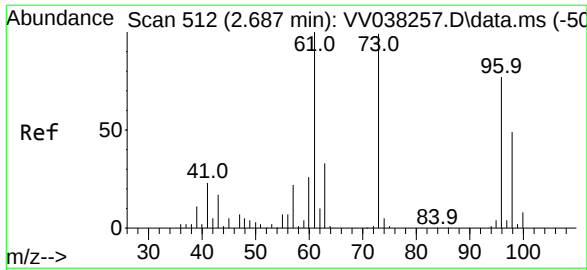
Delta R.T. 0.009 min

Lab File: VV038275.D

Acq: 22 Nov 2024 17:30

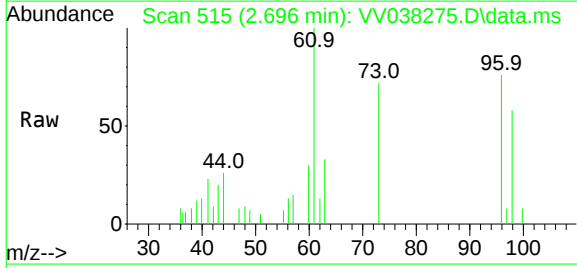
Tgt Ion:	73	Resp:	4154
Ion	Ratio	Lower	Upper
73	100		
43	28.5	14.2	21.2
57	23.4	17.6	26.4





#18
trans-1,2-Dichloroethene
Concen: 0.189 ug/L
RT: 2.696 min Scan# 512
Delta R.T. 0.009 min
Lab File: VV038275.D
Acq: 22 Nov 2024 17:30

Instrument :
MSVOA_V
ClientSampleId :
BG3P3

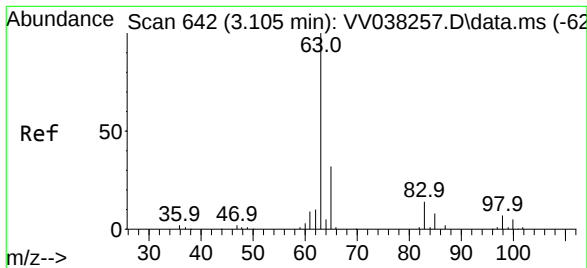
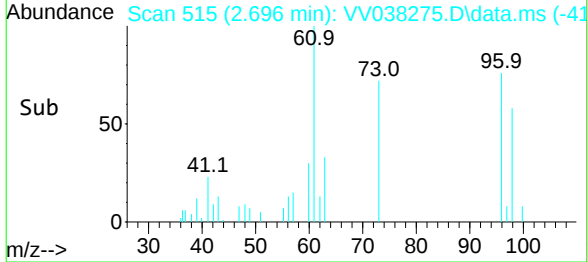
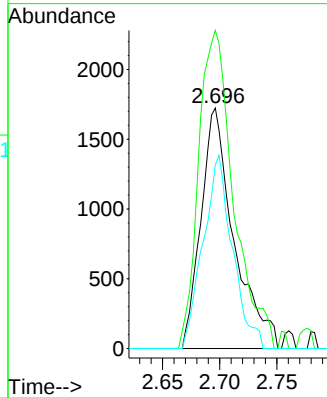


Tgt Ion: 96 Resp: 3457
Ion Ratio Lower Upper
96 100
61 132.3 88.5 164.4
98 76.3 43.9 81.5

Manual Integrations
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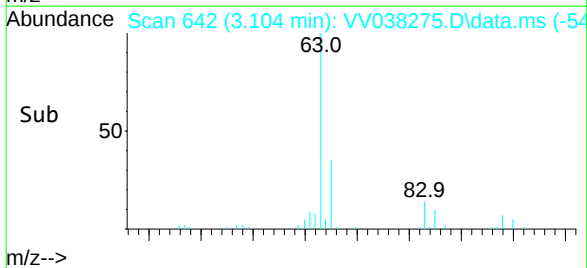
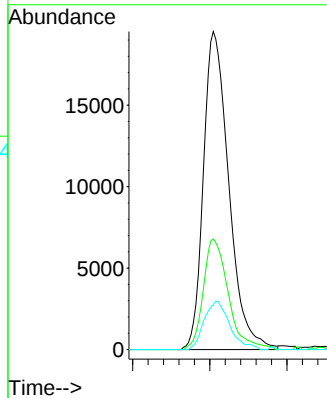
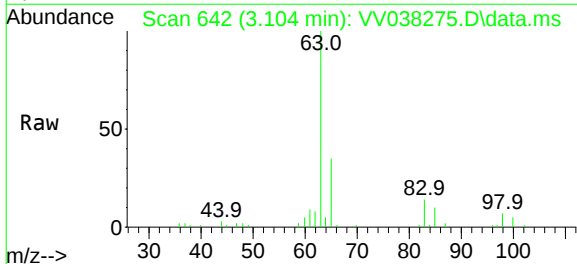
Reviewed By :Mahesh
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11/25/2024

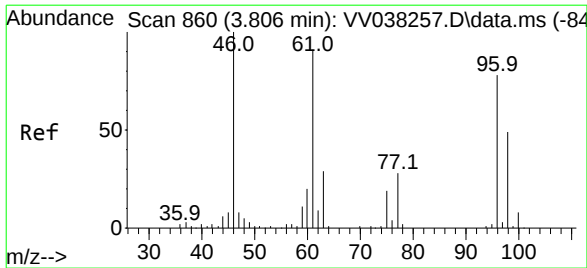
Supervised By :Semsettin
Yesilyurt
11/25/2024



#19
1,1-Dichloroethane
Concen: 1.346 ug/L
RT: 3.104 min Scan# 642
Delta R.T. -0.000 min
Lab File: VV038275.D
Acq: 22 Nov 2024 17:30

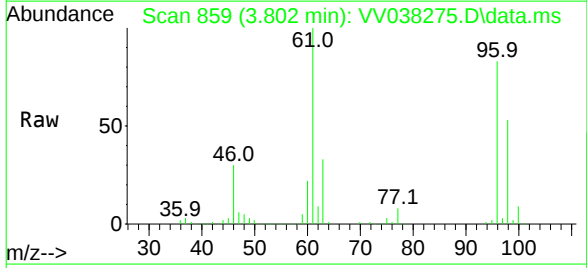
Tgt Ion: 63 Resp: 44582
Ion Ratio Lower Upper
63 100
65 34.8 22.5 41.7
83 14.1 10.1 18.9





#22
cis-1,2-Dichloroethene
Concen: 14.618 ug/L
RT: 3.802 min Scan# 859
Delta R.T. -0.003 min
Lab File: VV038275.D
Acq: 22 Nov 2024 17:30

Instrument :
MSVOA_V
ClientSampleId :
BG3P3

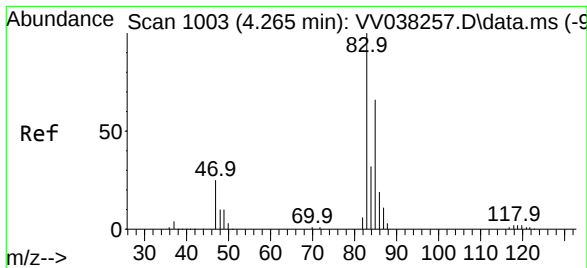
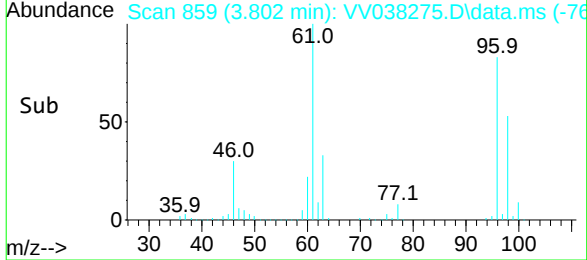
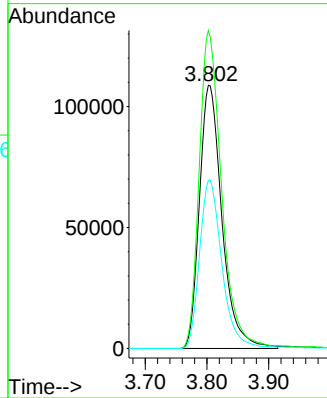


Tgt Ion: 96 Resp: 275795
Ion Ratio Lower Upper
96 100
61 120.8 82.7 153.5
98 64.0 46.3 85.9

Manual Integrations
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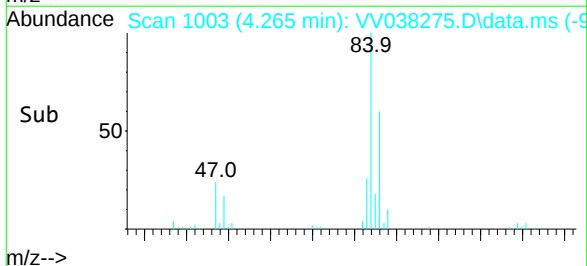
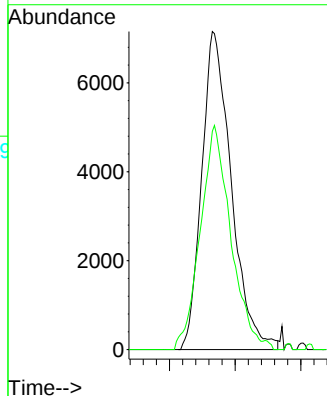
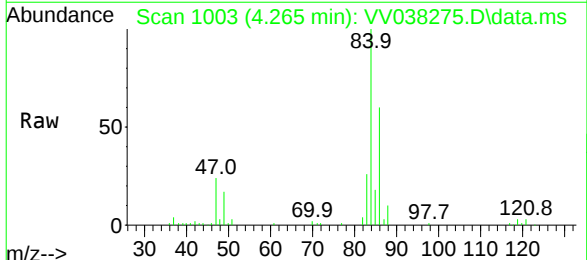
Reviewed By :Mahesh
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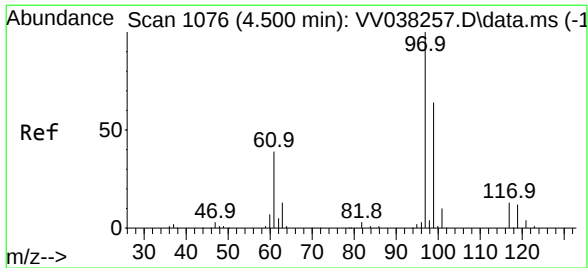
Supervised By :Semsettin
Yesilyurt
11/25/2024



#25
Chloroform
Concen: 0.631 ug/L
RT: 4.265 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VV038275.D
Acq: 22 Nov 2024 17:30

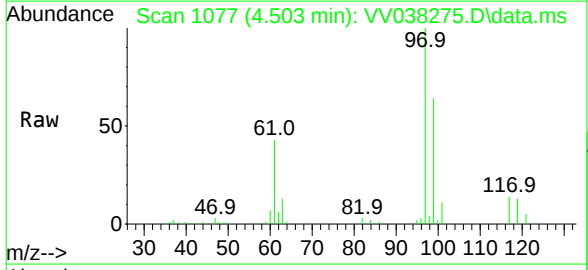
Tgt Ion: 83 Resp: 22363
Ion Ratio Lower Upper
83 100
85 68.6 46.5 86.3





#29
 1,1,1-Trichloroethane
 Concen: 5.328 ug/L
 RT: 4.503 min Scan# 1076
 Delta R.T. 0.003 min
 Lab File: VV038275.D
 Acq: 22 Nov 2024 17:30

Instrument : MSVOA_V
 ClientSampleId : BG3P3

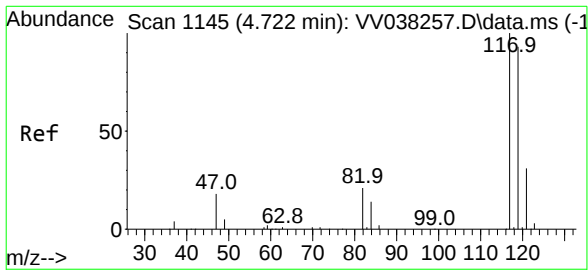
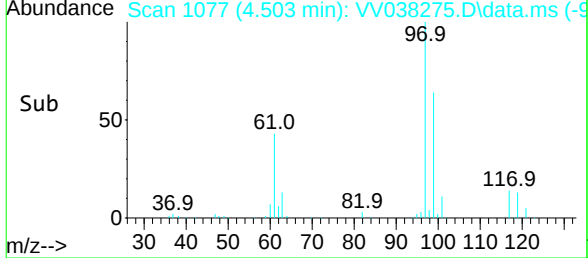
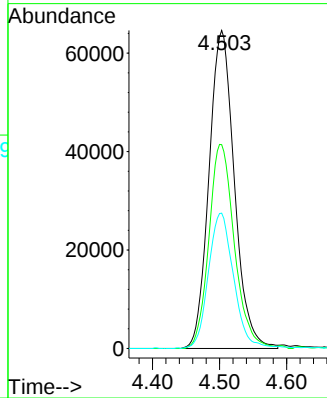


Tgt Ion:	97	Resp:	169651
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.8
61	42.2	32.2	48.2

Manual Integrations
 APPROVED

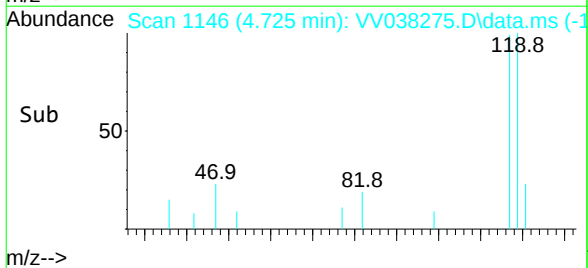
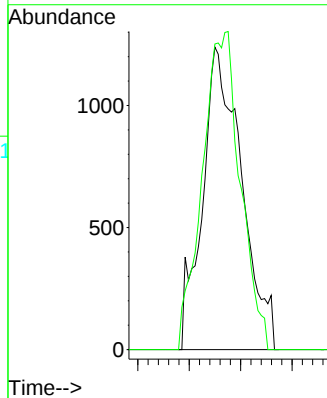
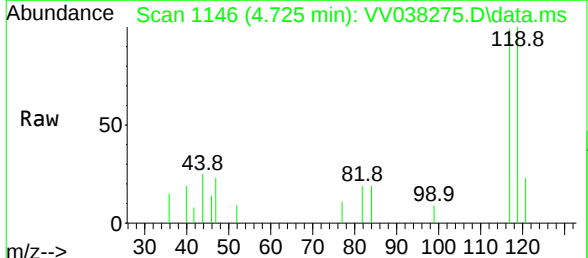
Reviewed By :Mahesh
 Dadoda
 11/25/2024

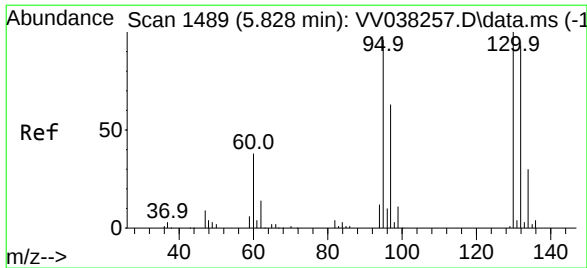
Supervised By :Semsettin
 Yesilyurt
 11/25/2024



#31
 Carbon tetrachloride
 Concen: 0.116 ug/L
 RT: 4.725 min Scan# 1146
 Delta R.T. 0.003 min
 Lab File: VV038275.D
 Acq: 22 Nov 2024 17:30

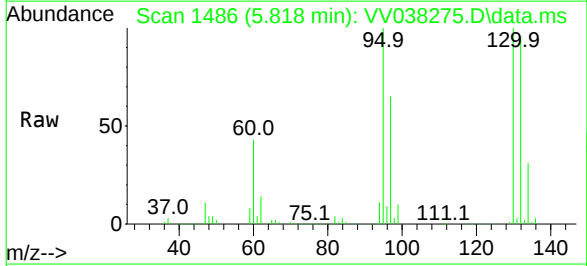
Tgt Ion:	117	Resp:	3270
Ion	Ratio	Lower	Upper
117	100		
119	102.2	77.4	116.2





#34
Trichloroethene
Concen: 236.877 ug/L
RT: 5.818 min Scan# 1489
Delta R.T. -0.010 min
Lab File: VV038275.D
Acq: 22 Nov 2024 17:30

Instrument :
MSVOA_V
ClientSampleId :
BG3P3

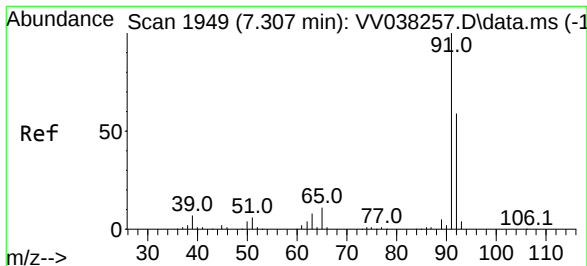
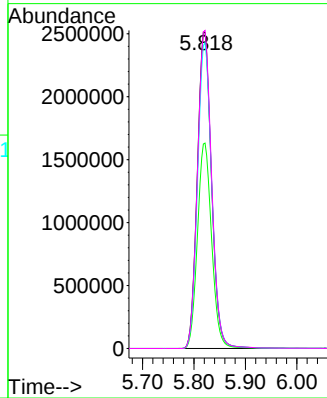


Tgt Ion: 95 Resp: 4815843
Ion Ratio Lower Upper
95 100
97 64.6 44.8 83.2
132 95.7 68.3 126.8
130 100.1 70.2 130.4

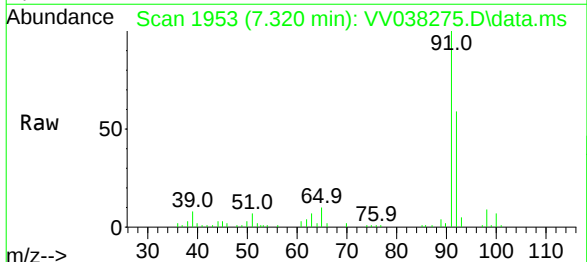
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Reviewed By :Mahesh
Dadoda
11/25/2024

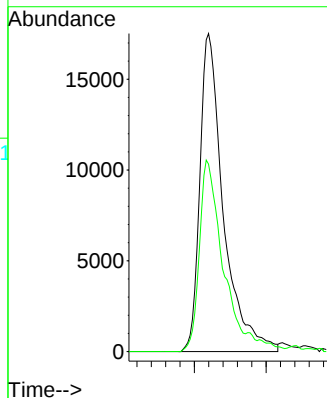
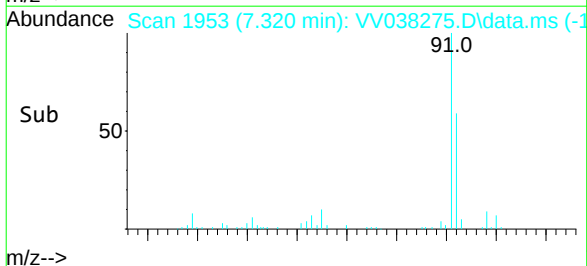
Supervised By :Semsettin
Yesilyurt
11/25/2024

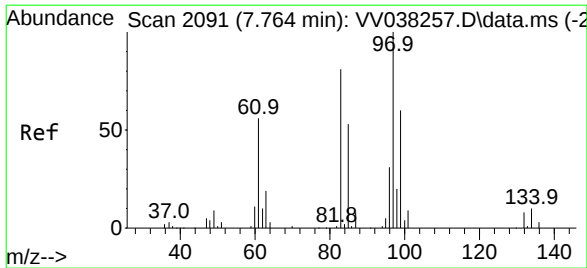


#42
Toluene
Concen: 0.504 ug/L
RT: 7.320 min Scan# 1953
Delta R.T. 0.013 min
Lab File: VV038275.D
Acq: 22 Nov 2024 17:30



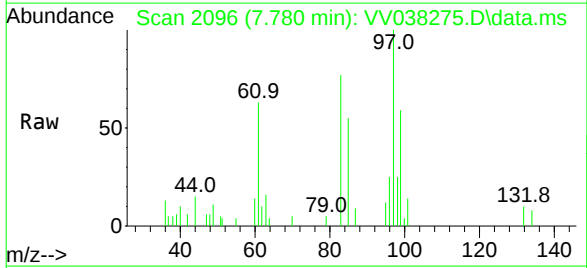
Tgt Ion: 91 Resp: 39808
Ion Ratio Lower Upper
91 100
92 58.9 40.8 75.8





#45
1,1,2-Trichloroethane
Concen: 0.364 ug/L
RT: 7.780 min Scan# 2091
Delta R.T. 0.016 min
Lab File: VV038275.D
Acq: 22 Nov 2024 17:30

Instrument :
MSVOA_V
ClientSampleId :
BG3P3

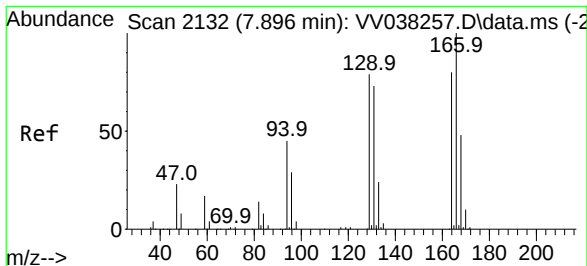
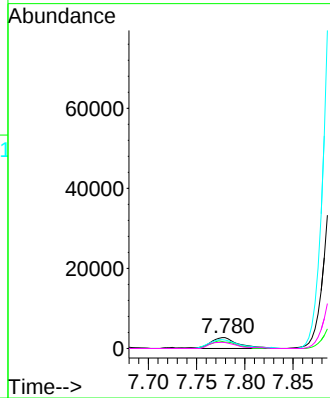
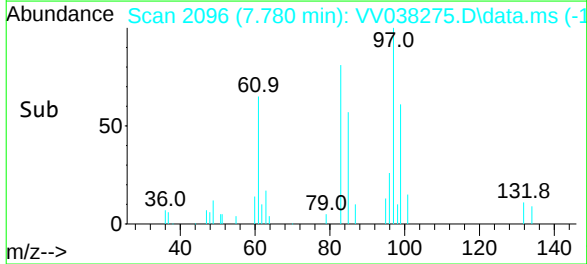


Tgt Ion: 97 Resp: 5522
Ion Ratio Lower Upper
97 100
99 58.5 41.9 77.7
83 77.3 57.7 107.1
85 55.0 36.2 67.2

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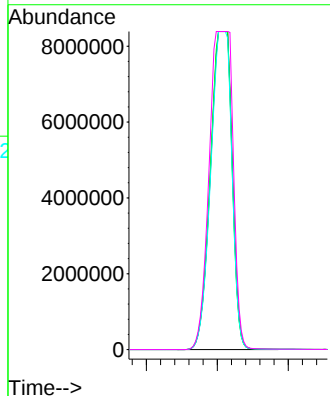
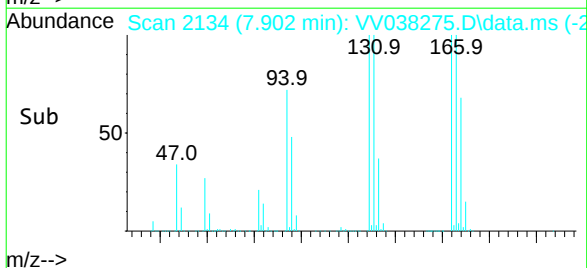
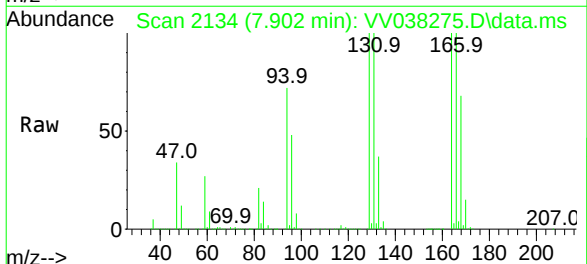
Reviewed By :Mahesh
Dadoda
11/25/2024

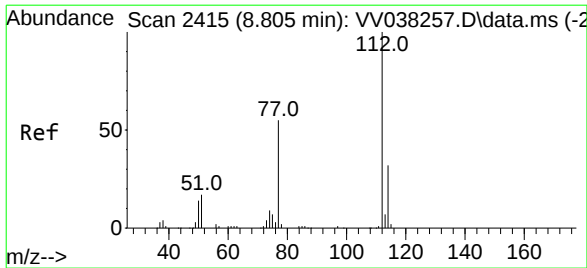
Supervised By :Semsettin
Yesilyurt
11/25/2024



#47
Tetrachloroethene
Concen: 1082.703 ug/L m
RT: 7.902 min Scan# 2134
Delta R.T. 0.006 min
Lab File: VV038275.D
Acq: 22 Nov 2024 17:30

Tgt Ion:164 Resp:17687816
Ion Ratio Lower Upper
164 100
129 100.0 68.5 127.1
131 100.0 64.8 120.4
166 100.0 88.3 163.9





#51

Chlorobenzene

Concen: 0.343 ug/L

RT: 8.815 min Scan# 2415

Delta R.T. 0.009 min

Lab File: VV038275.D

Acq: 22 Nov 2024 17:30

Instrument :

MSVOA_V

ClientSampleId :

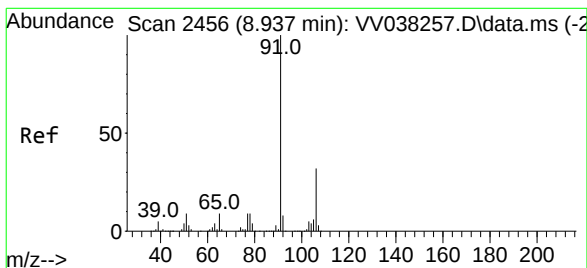
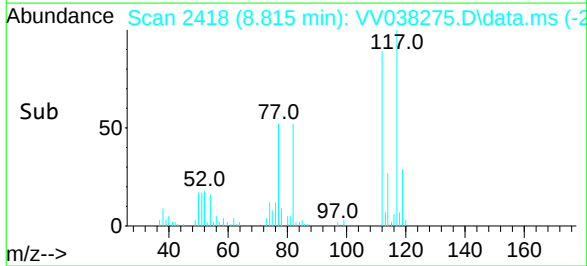
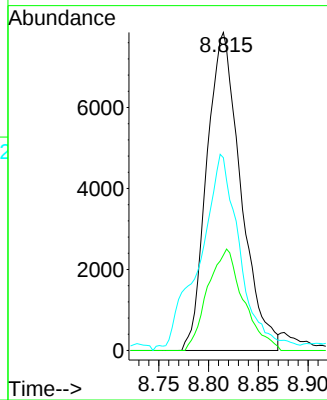
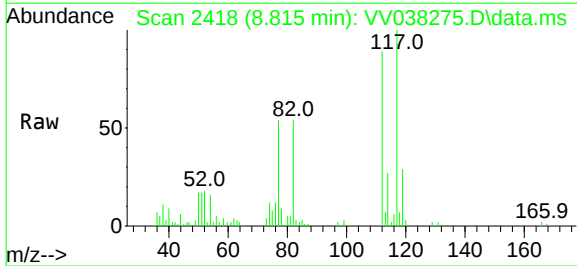
BG3P3

Tgt Ion:	112	Resp:	18656
Ion Ratio	Lower	Upper	
112	100		
114	30.0	22.0	40.8
77	60.6	45.0	67.4

Manual Integrations
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Reviewed By :Mahesh
Dadoda
11/25/2024

Supervised By :Semsettin
Yesilyurt
11/25/2024



#52

Ethylbenzene

Concen: 0.147 ug/L

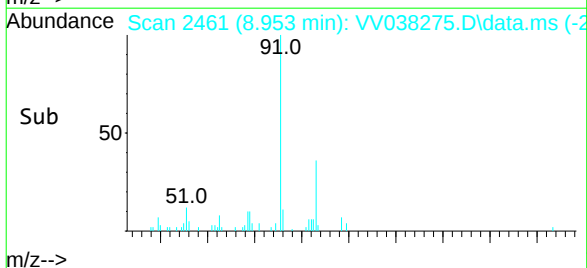
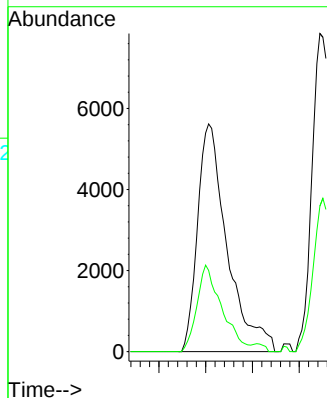
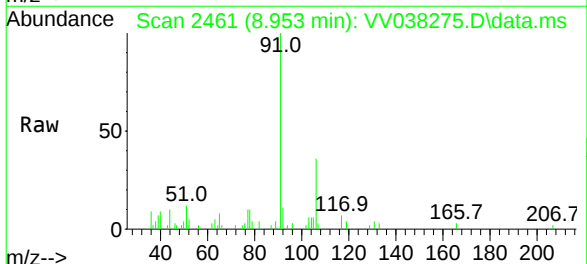
RT: 8.953 min Scan# 2461

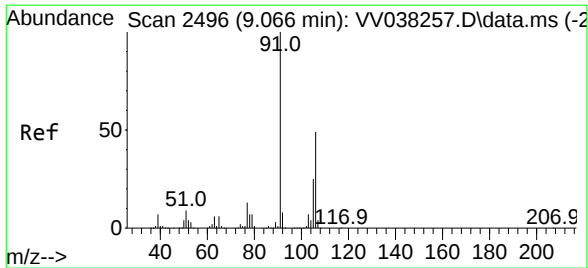
Delta R.T. 0.016 min

Lab File: VV038275.D

Acq: 22 Nov 2024 17:30

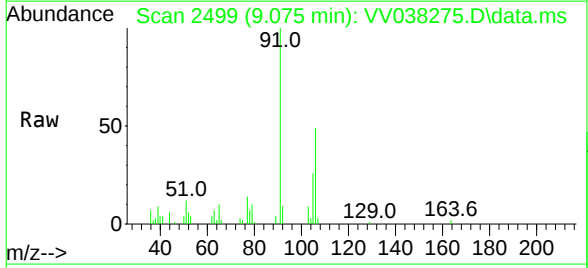
Tgt Ion:	91	Resp:	12332
Ion Ratio	Lower	Upper	
91	100		
106	35.6	21.8	40.4





#53
m,p-Xylene
Concen: 0.242 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.009 min
Lab File: VV038275.D
Acq: 22 Nov 2024 17:30

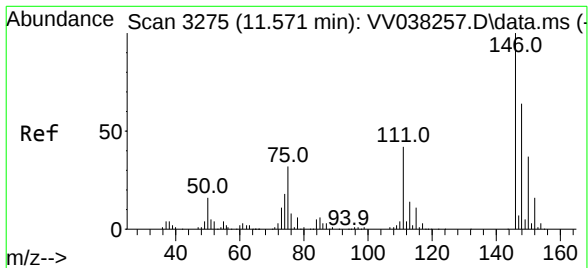
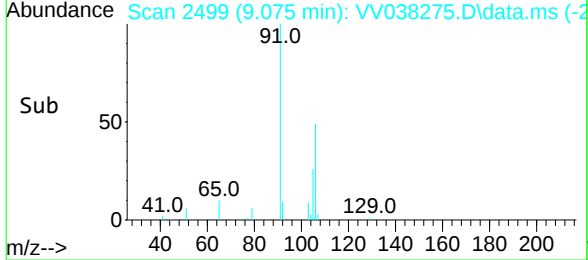
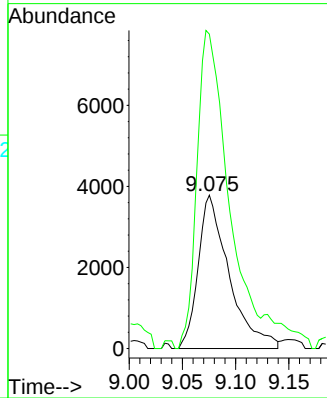
Instrument :
MSVOA_V
ClientSampleId :
BG3P3



Tgt Ion:106 Resp: 7650
Ion Ratio Lower Upper
106 100
91 205.0 138.7 257.5

Manual Integrations
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Reviewed By :Mahesh
Dadoda
11/25/2024
Supervised By :Semsetin
Yesilyurt
11/25/2024



#67
1,2-Dichlorobenzene
Concen: 0.225 ug/L
RT: 11.574 min Scan# 3276
Delta R.T. 0.003 min
Lab File: VV038275.D
Acq: 22 Nov 2024 17:30

Tgt Ion:146 Resp: 7239
Ion Ratio Lower Upper
146 100
111 47.7 34.2 51.2
148 69.1 51.0 76.4

