

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110921\
 Data File : VW023346.D
 Acq On : 10 Nov 2021 20:47
 Operator : SY/MD
 Sample : M4542-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGGE8

Quant Time: Nov 11 00:46:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 11 00:38:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	134567	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	131762	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	74555	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	25609	3.038	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.800%
7) Chloroethane-d5	1.568	69	24171	3.518	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.400%
11) 1,1-Dichloroethene-d2	2.108	63	37606	2.383	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	47.600%#
20) 2-Butanone-d5	3.886	46	101687	70.015	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	140.040%#
24) Chloroform-d	4.352	84	73907	4.114	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
26) 1,2-Dichloroethane-d4	5.034	65	36084	4.466	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
32) Benzene-d6	5.053	84	131670	3.895	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.800%
36) 1,2-Dichloropropane-d6	6.069	67	42870	4.308	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.200%
41) Toluene-d8	7.317	98	112387	3.547	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.000%
43) trans-1,3-Dichloroprop...	7.625	79	16327	4.327	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.600%
46) 2-Hexanone-d5	8.088	63	78209	56.329	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.660%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	34997	4.890	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	55832	4.497	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.000%
Target Compounds						
						Qvalue
3) Chloromethane	1.240	50	7386	0.662	ug/L	94
5) Vinyl chloride	1.307	62	4958	0.445	ug/L	91
12) 1,1-Dichloroethene	2.117	96	961	0.120	ug/L #	1
13) Acetone	2.179	43	8331	9.388	ug/L	93
14) Carbon disulfide	2.294	76	1892	0.062	ug/L #	83
19) 1,1-Dichloroethane	3.191	63	13333	0.801	ug/L	99
22) cis-1,2-Dichloroethene	3.915	96	26238	2.764	ug/L #	87
25) Chloroform	4.381	83	17377	0.979	ug/L	100
29) 1,1,1-Trichloroethane	4.606	97	24947	1.559	ug/L	98
31) Carbon tetrachloride	4.838	117	1336m	0.093	ug/L	
33) Benzene	5.111	78	4508	0.122	ug/L	100
34) Trichloroethene	5.915	95	94865	9.686	ug/L	97
35) Methylcyclohexane	6.130	83	3245	0.210	ug/L	90
42) Toluene	7.391	91	99062	2.515	ug/L	100
47) Tetrachloroethene	7.979	164	3240	0.382	ug/L	92
51) Chlorobenzene	8.882	112	124601	4.759	ug/L	97
52) Ethylbenzene	9.021	91	6569	0.158	ug/L	99
53) m,p-xylene	9.146	106	2803	0.172	ug/L	99
54) o-xylene	9.545	106	9821	0.642	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	9.934	105	42194	0.986	ug/L	97
62) 1,3,5-Trimethylbenzene	10.545	105	6203m	0.175	ug/L	97
63) 1,2,4-Trimethylbenzene	10.915	105	625247	17.708	ug/L	99
64) 1,3-Dichlorobenzene	11.188	146	1918	0.088	ug/L	88
65) 1,4-Dichlorobenzene	11.275	146	15160	0.679	ug/L	97
67) 1,2-Dichlorobenzene	11.644	146	13003	0.665	ug/L	95

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

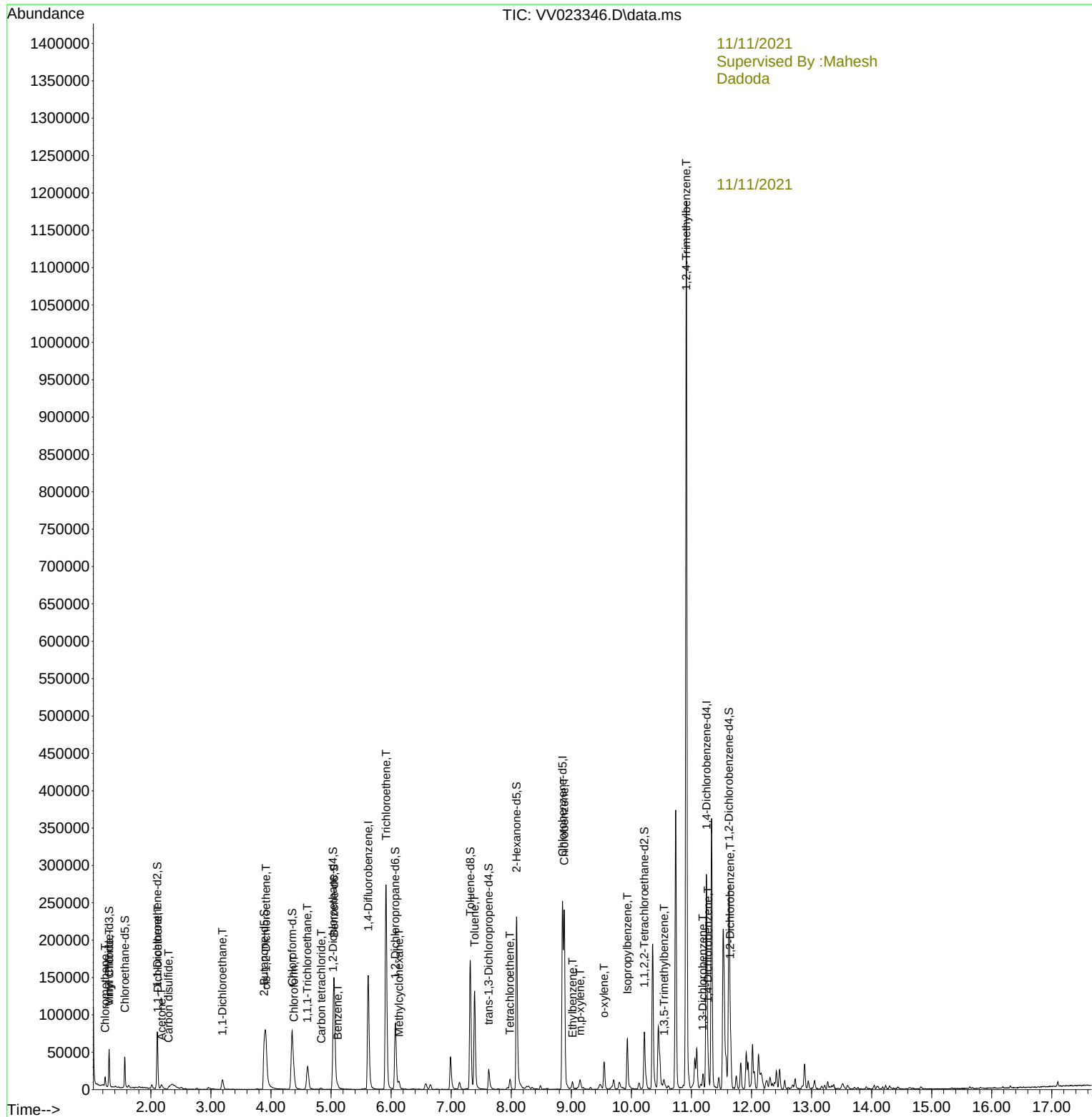
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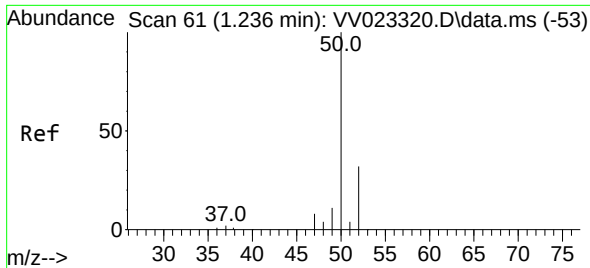
Instrument :
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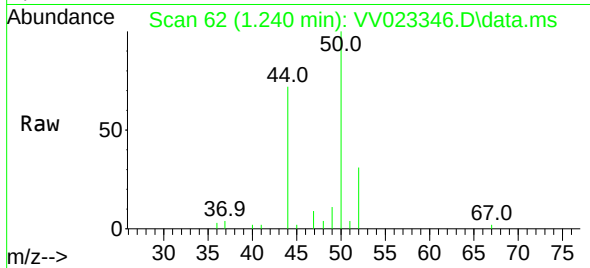
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#3
Chloromethane
Concen: 0.662 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV023346.D
Acq: 10 Nov 2021 20:47

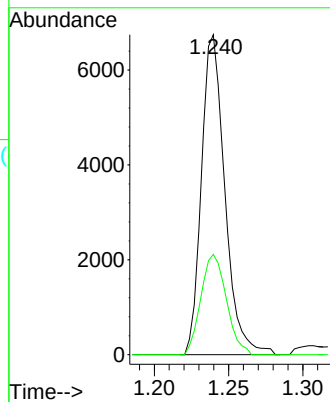
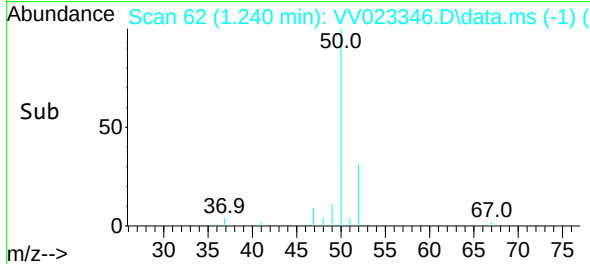
Instrument :
MSVOA_V
ClientSampleId :
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Tgt Ion: 50 Resp: 7380
Ion Ratio Lower Upper
50 100
52 31.4 24.3 45.1

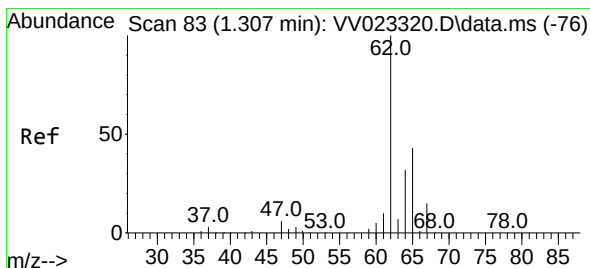
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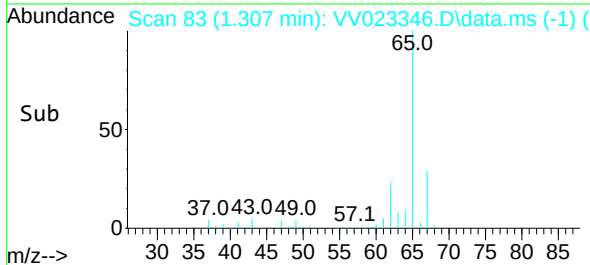
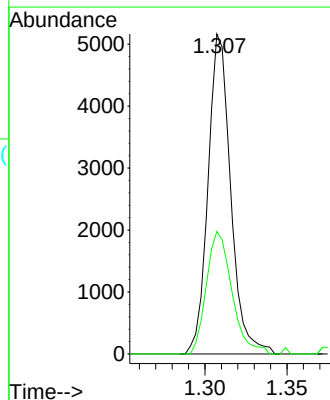
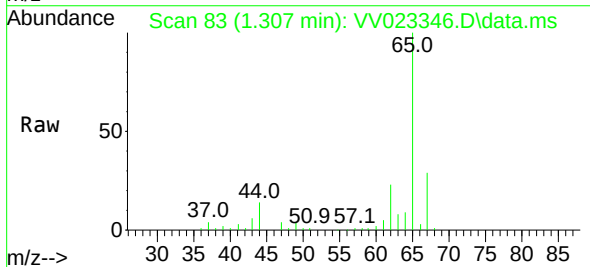
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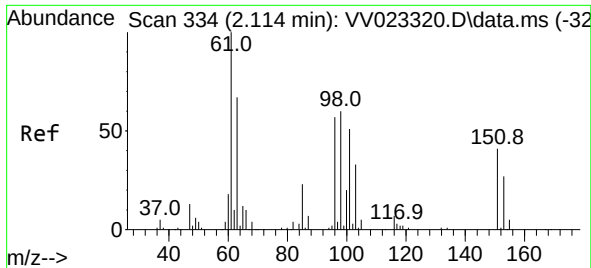
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#5
Vinyl chloride
Concen: 0.445 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.000 min
Lab File: VV023346.D
Acq: 10 Nov 2021 20:47

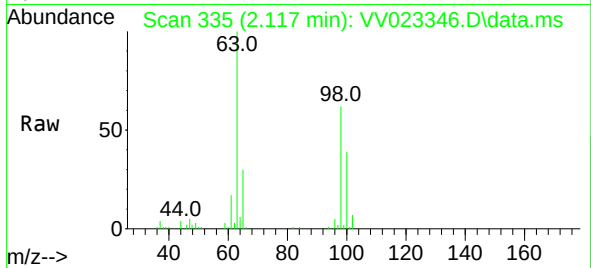
Tgt Ion: 62 Resp: 4958
Ion Ratio Lower Upper
62 100
64 38.3 23.1 42.9





#12
1,1-Dichloroethene
Concen: 0.120 ug/L
RT: 2.117 min Scan# 311
Delta R.T. 0.003 min
Lab File: VV023346.D
Acq: 10 Nov 2021 20:47

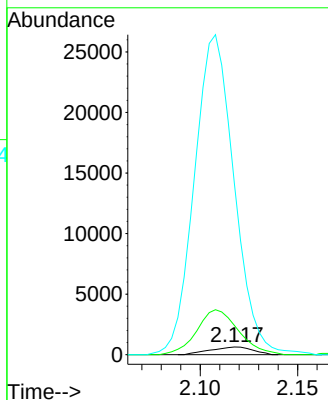
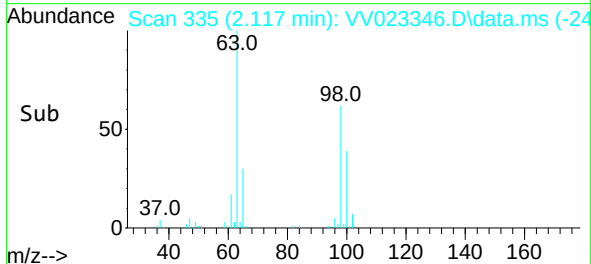
Instrument :
MSVOA_V
ClientSampleId :
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Tgt Ion: 96 Resp: 96
Ion Ratio Lower Upper
96 100
61 379.3 121.5 225.7
63 2222.0 99.6 185.0

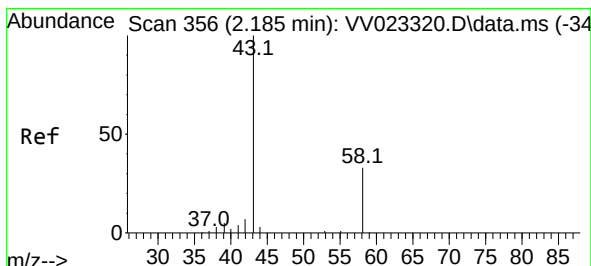
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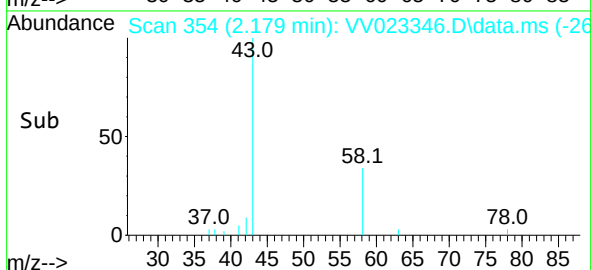
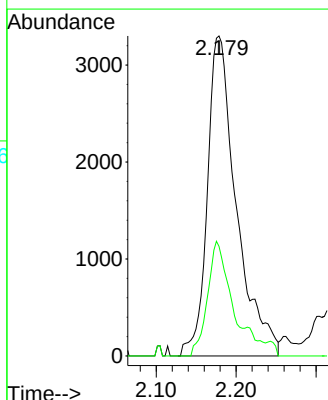
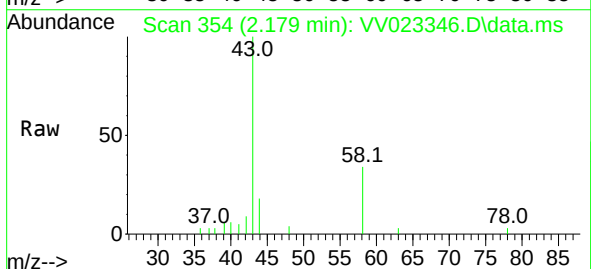
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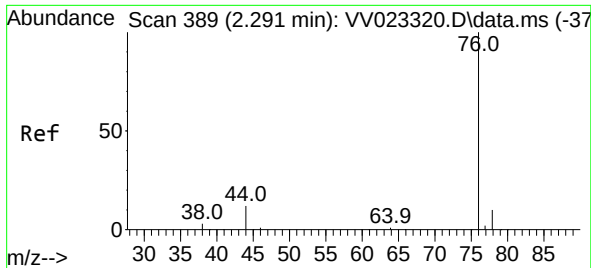
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#13
Acetone
Concen: 9.388 ug/L
RT: 2.179 min Scan# 354
Delta R.T. -0.006 min
Lab File: VV023346.D
Acq: 10 Nov 2021 20:47

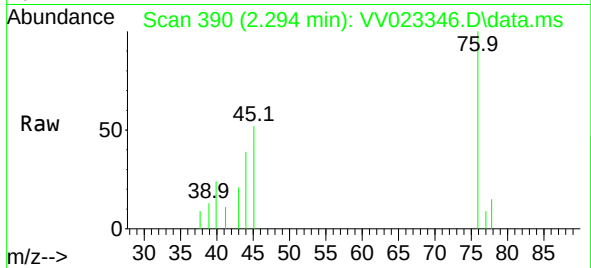
Tgt Ion: 43 Resp: 8331
Ion Ratio Lower Upper
43 100
58 31.5 0.0 55.4





#14
Carbon disulfide
Concen: 0.062 ug/L
RT: 2.294 min Scan# 389
Delta R.T. 0.003 min
Lab File: VV023346.D
Acq: 10 Nov 2021 20:47

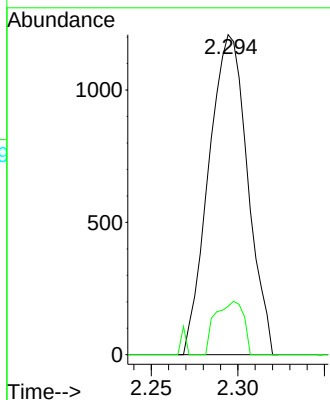
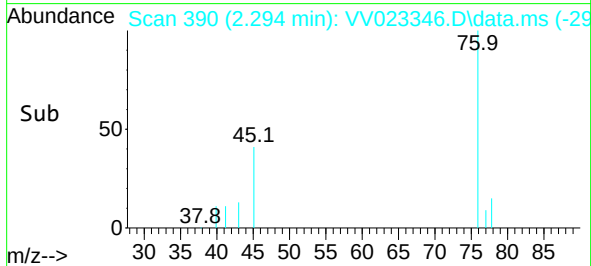
Instrument :
MSVOA_V
ClientSampleId :
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Tgt Ion: 76 Resp: 1892
Ion Ratio Lower Upper
76 100
78 15.1 7.2 10.8

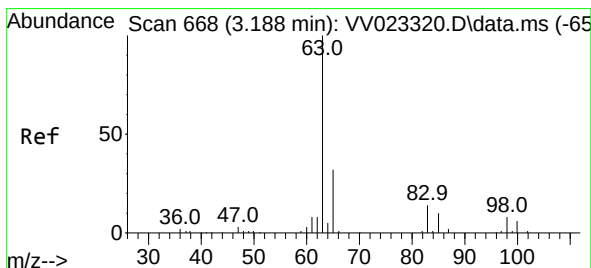
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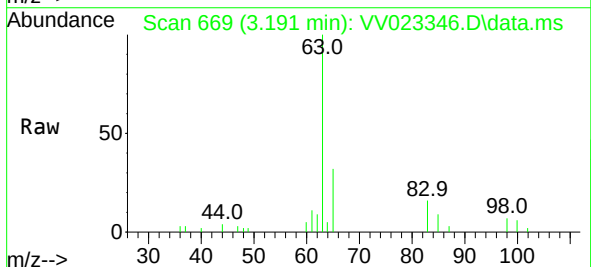


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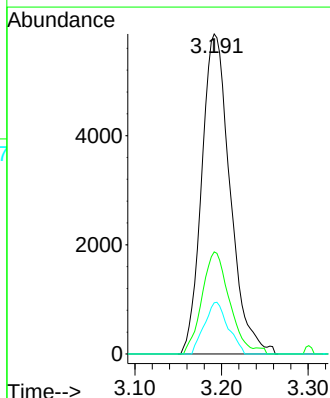
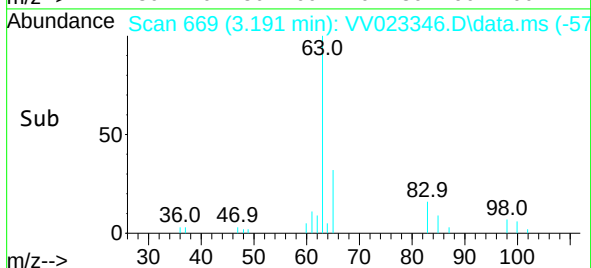
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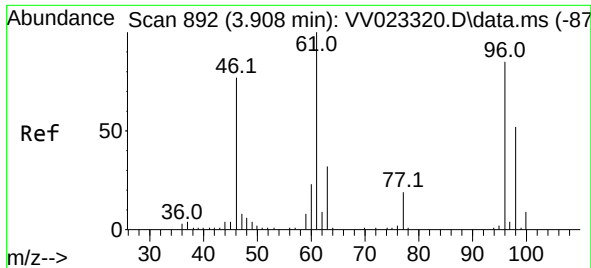


#19
1,1-Dichloroethane
Concen: 0.801 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.003 min
Lab File: VV023346.D
Acq: 10 Nov 2021 20:47



Tgt Ion: 63 Resp: 13333
Ion Ratio Lower Upper
63 100
65 31.9 22.6 42.0
83 16.0 11.1 20.7





#22

cis-1,2-Dichloroethene

Concen: 2.764 ug/L

RT: 3.915 min Scan# 892

Delta R.T. 0.006 min

Lab File: VV023346.D

Acq: 10 Nov 2021 20:47

Instrument :

MSVOA_V

ClientSampleId :

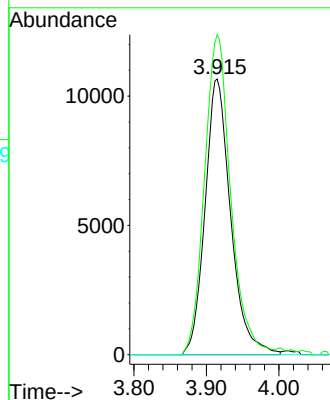
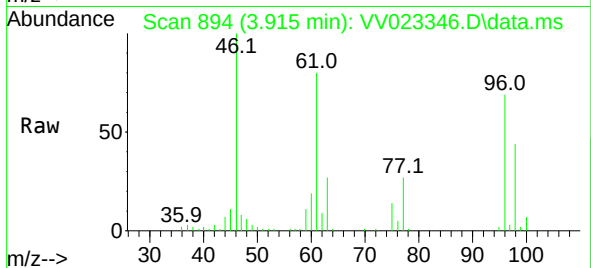
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Tgt Ion: 96 Resp: 26238

Ion	Ratio	Lower	Upper
96	100		
61	116.1	92.3	171.3
68	0.0	0.4	0.8

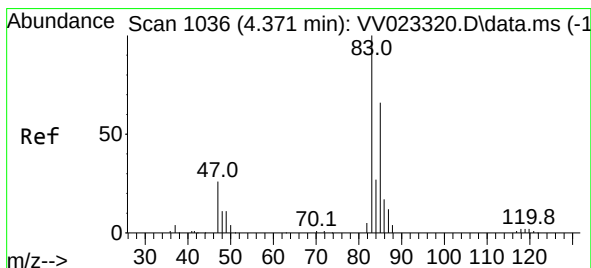
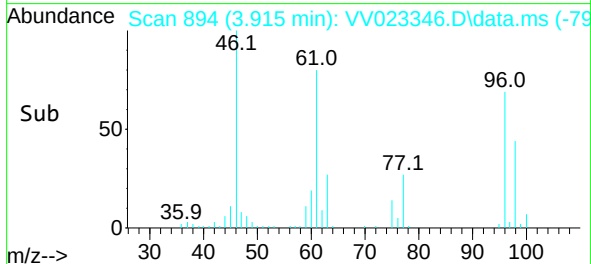
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#25

Chloroform

Concen: 0.979 ug/L

RT: 4.381 min Scan# 1039

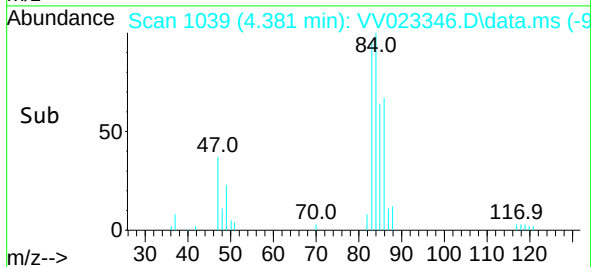
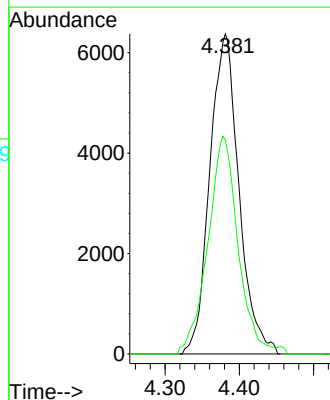
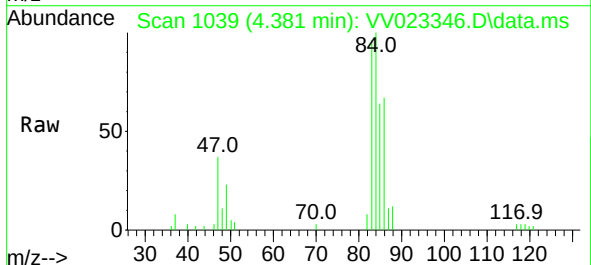
Delta R.T. 0.010 min

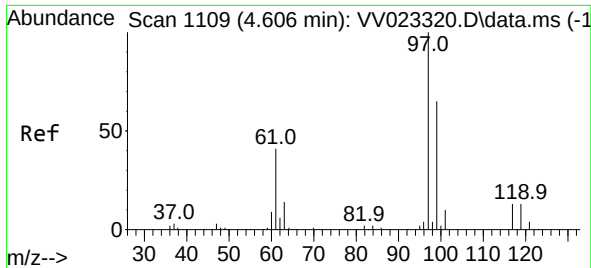
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Tgt Ion: 83 Resp: 17377

Ion	Ratio	Lower	Upper
83	100		
85	66.8	46.8	86.8





#29

1,1,1-Trichloroethane

Concen: 1.559 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. -0.000 min

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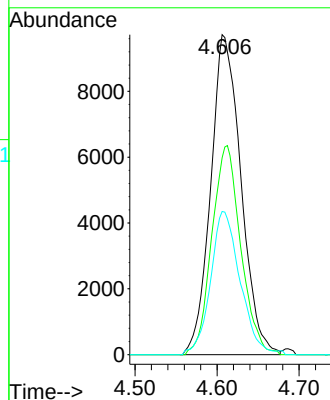
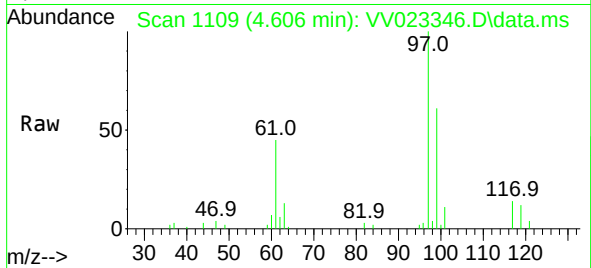
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Tgt Ion: 97	Resp: 2494
Ion Ratio	Lower Upper
97 100	
99 62.4	51.0 76.4
61 43.5	34.1 51.1

Manual Integrations

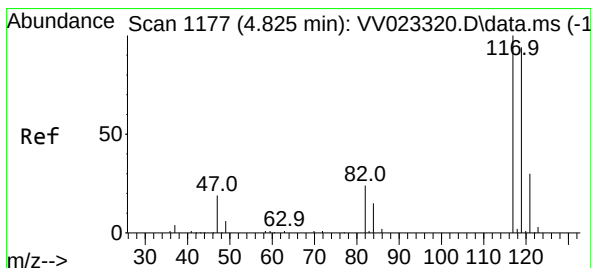
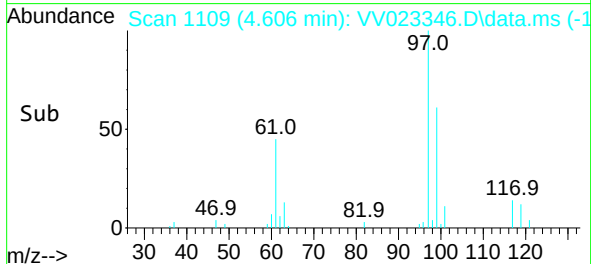
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#31

Carbon tetrachloride

Concen: 0.093 ug/L m

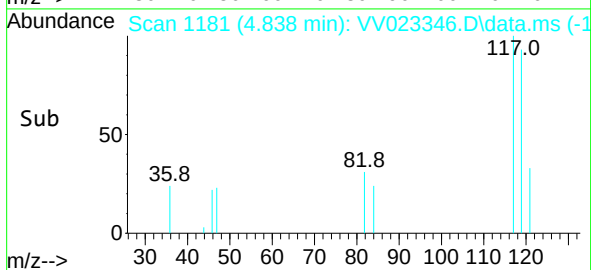
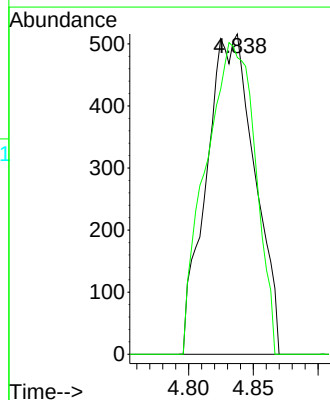
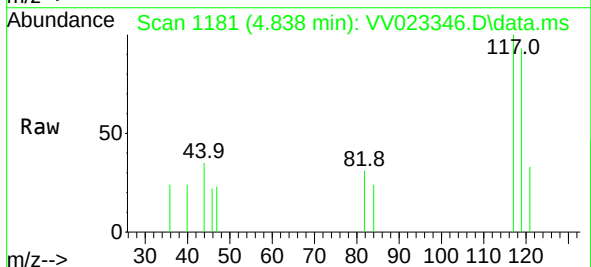
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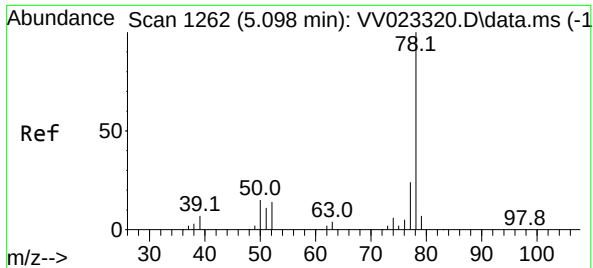
Delta R.T. 0.013 min

Lab File: VV023346.D

Acq: 10 Nov 2021 20:47

Tgt Ion: 117	Resp: 1336
Ion Ratio	Lower Upper
117 100	
119 222.3	78.8 118.2#





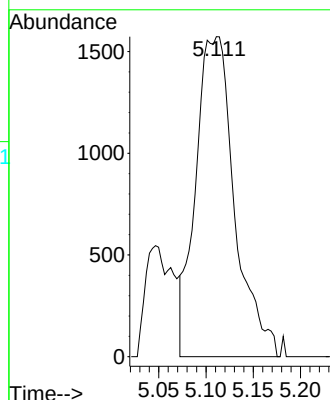
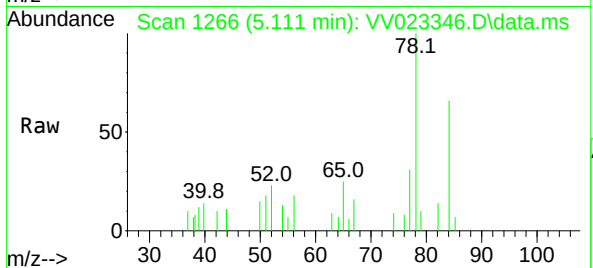
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Benzene
Concen: 0.122 ug/L
RT: 5.111 min Scan# 1266
Delta R.T. 0.013 min
Lab File: VV023346.D
Acq: 10 Nov 2021 20:47

Instrument :
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Tgt Ion: 78 Resp: 4508

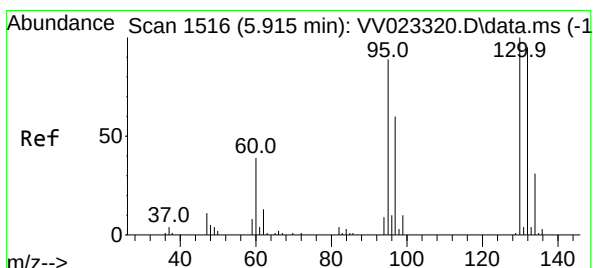
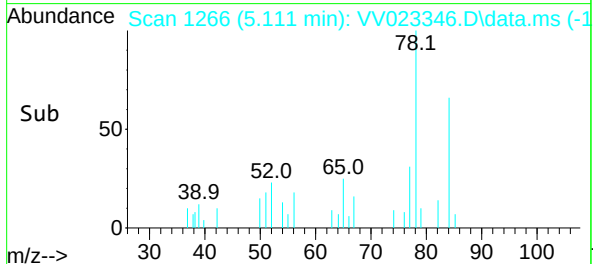
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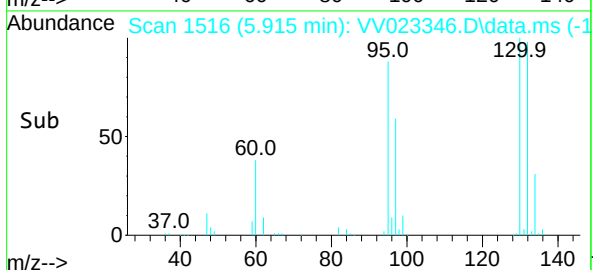
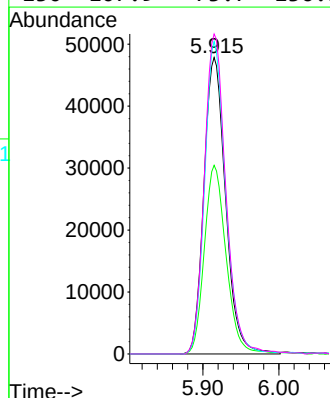
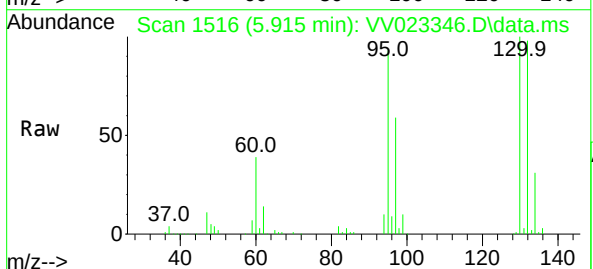
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Dadoda

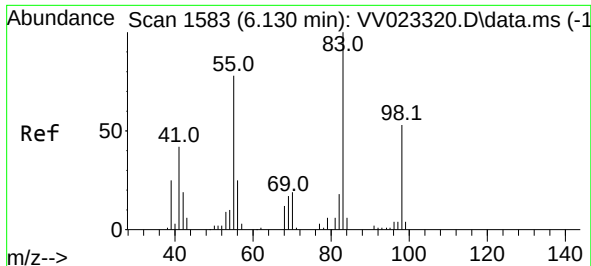
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#34
Trichloroethene
Concen: 9.686 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VV023346.D
Acq: 10 Nov 2021 20:47

Tgt Ion: 95 Resp: 94865
Ion Ratio Lower Upper
95 100
97 63.6 45.0 83.6
132 105.3 69.7 129.4
130 107.9 73.7 136.9





#35

Methylcyclohexane

Concen: 0.210 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. -0.000 min

Lab File: VV023346.D

Acq: 10 Nov 2021 20:47

Instrument :

MSVOA_V

ClientSampleId :

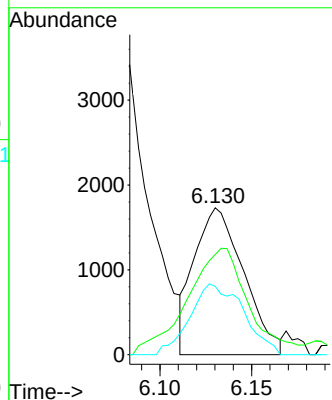
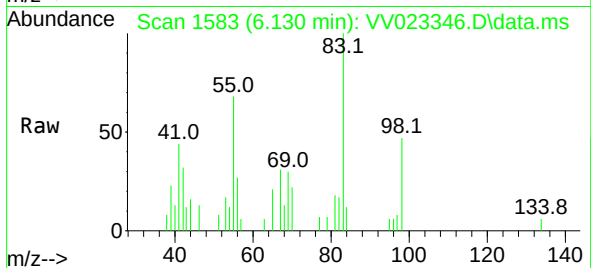
BGGE8

Tgt Ion: 83 Resp: 3249

Ion	Ratio	Lower	Upper
83	100		
55	89.2	62.8	94.2
98	52.1	37.9	56.9

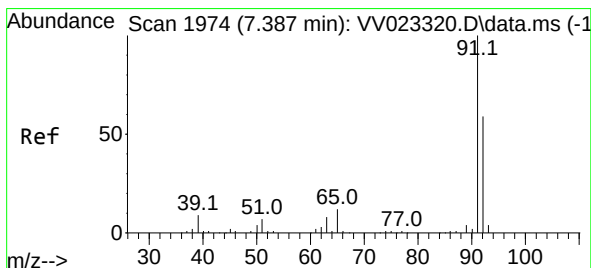
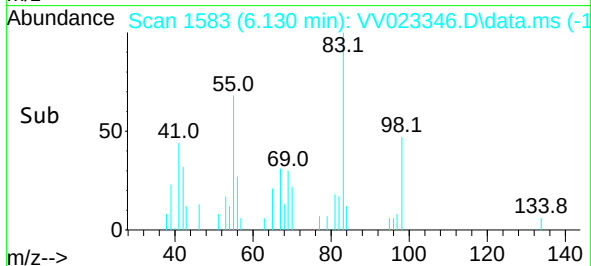
Manual Integrations
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Reviewed By :John
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Supervised By :Mahesh
Dadoda

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#42

Toluene

Concen: 2.515 ug/L

RT: 7.391 min Scan# 1975

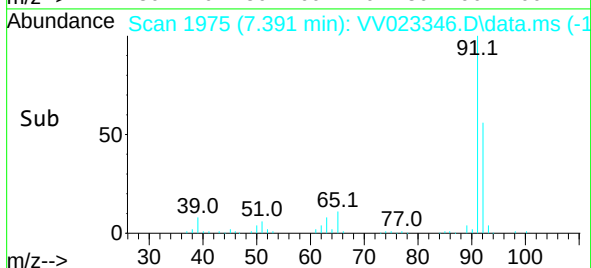
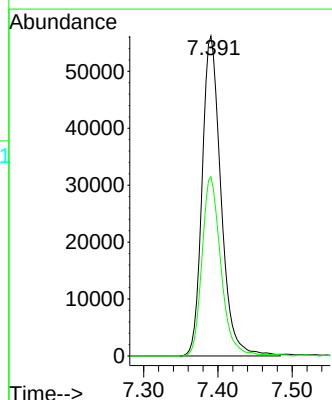
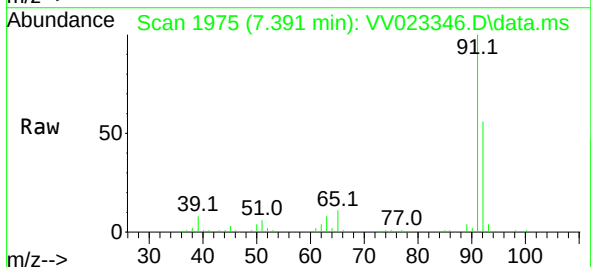
Delta R.T. 0.003 min

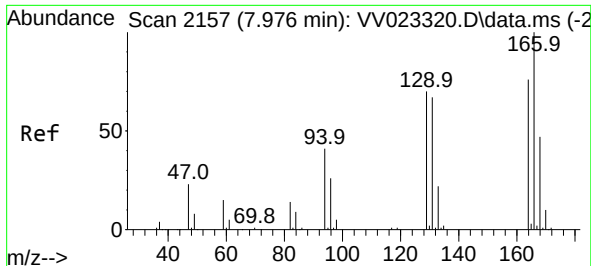
Lab File: VV023346.D

Acq: 10 Nov 2021 20:47

Tgt Ion: 91 Resp: 99062

Ion	Ratio	Lower	Upper
91	100		
92	56.0	39.3	72.9





#47

Tetrachloroethene

Concen: 0.382 ug/L

RT: 7.979 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV023346.D

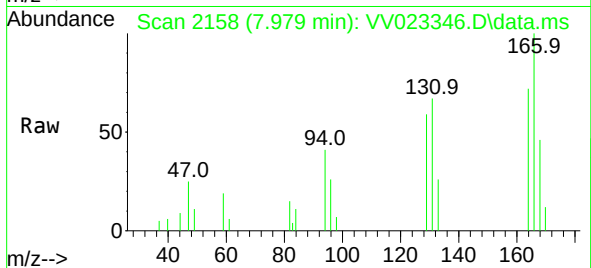
Acq: 10 Nov 2021 20:47

Instrument :

MSVOA_V

ClientSampleId :

BGGE8



Tgt Ion:164 Resp: 3240

Ion Ratio Lower Upper

164 100

129 81.7 64.0 119.0

131 93.1 63.4 117.8

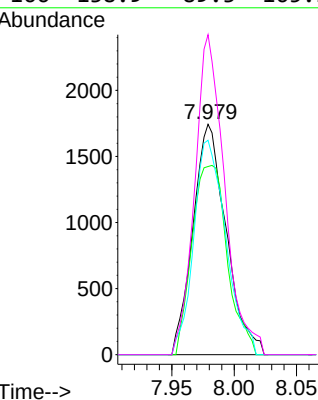
166 138.9 89.3 165.9

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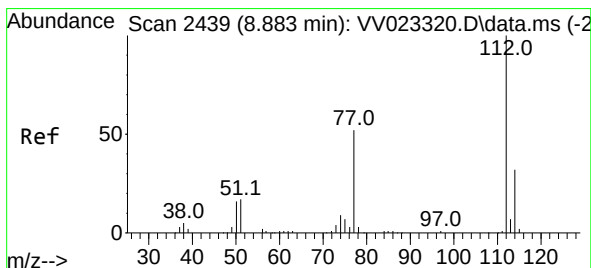


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Supervised By :Mahesh

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#51

Chlorobenzene

Concen: 4.759 ug/L

RT: 8.882 min Scan# 2439

Delta R.T. -0.000 min

Lab File: VV023346.D

Acq: 10 Nov 2021 20:47

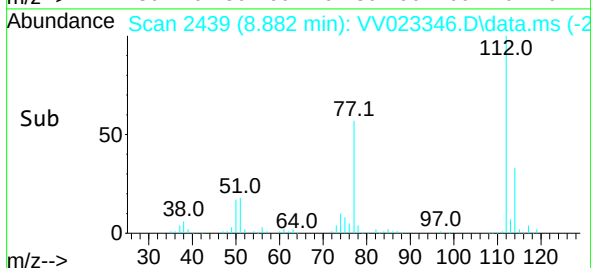
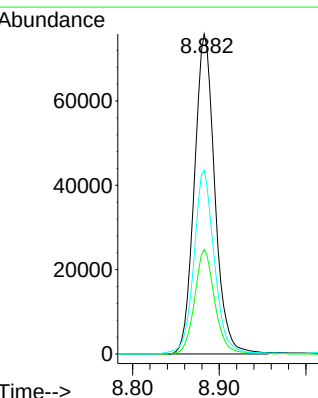
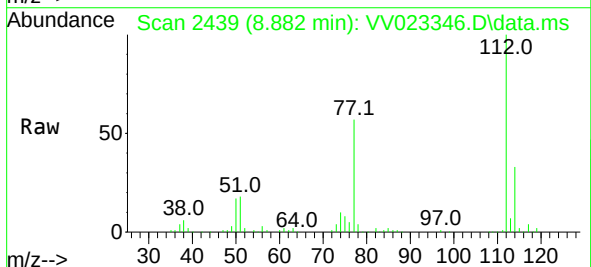
Tgt Ion:112 Resp: 124601

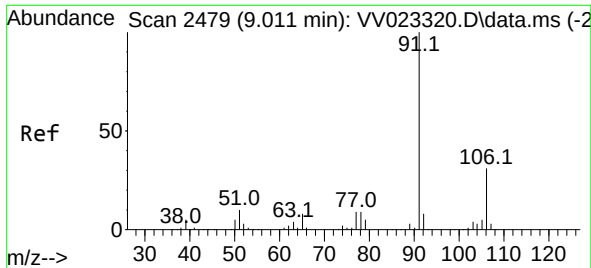
Ion Ratio Lower Upper

112 100

114 32.6 22.0 40.8

77 57.4 44.4 66.6





#52

Ethylbenzene

Concen: 0.158 ug/L

RT: 9.021 min Scan# 2479

Delta R.T. 0.010 min

Lab File: VV023346.D

Acq: 10 Nov 2021 20:47

Instrument :

MSVOA_V

ClientSampleId :

BGGE8

Tgt Ion: 91 Resp: 6569

Ion Ratio Lower Upper

91 100

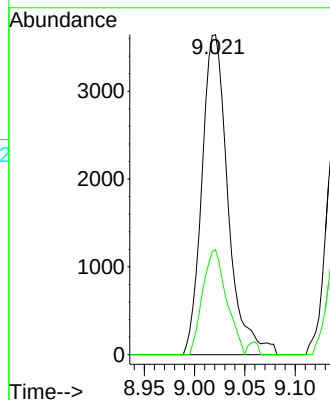
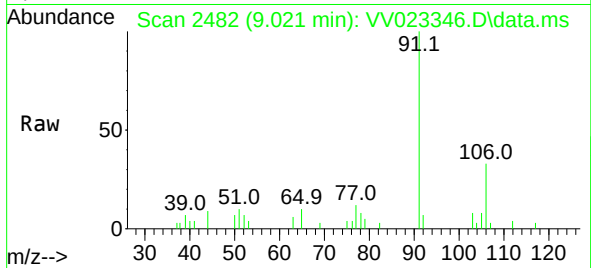
106 32.8 22.5 41.9

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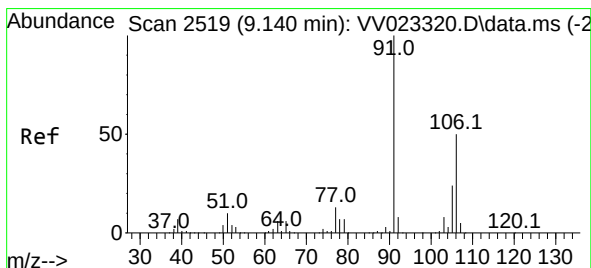
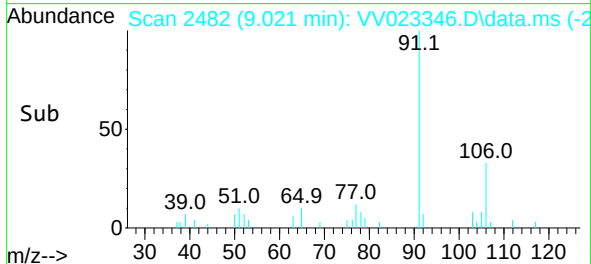


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#53

m,p-xylene

Concen: 0.172 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.006 min

Lab File: VV023346.D

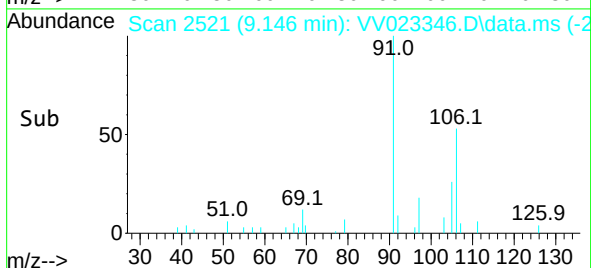
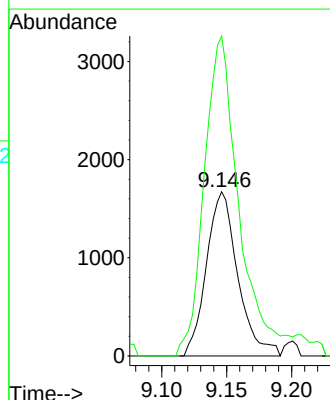
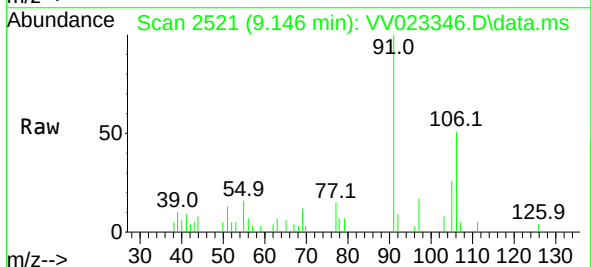
Acq: 10 Nov 2021 20:47

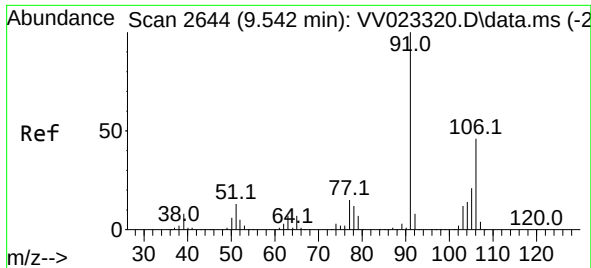
Tgt Ion:106 Resp: 2803

Ion Ratio Lower Upper

106 100

91 195.0 137.2 254.8





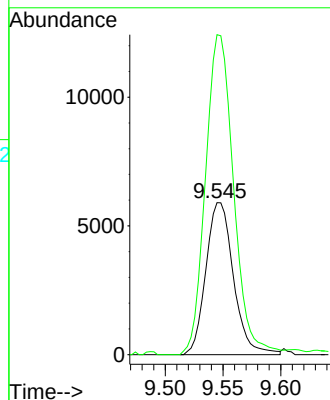
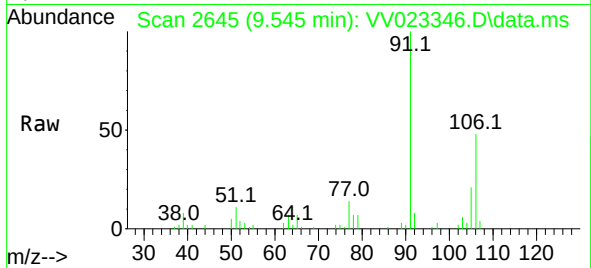
#54
o-xylene
Concen: 0.642 ug/L
RT: 9.545 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV023346.D
Acq: 10 Nov 2021 20:47

Instrument :
MSVOA_V
ClientSampleId :
BGGE8

Tgt Ion:106 Resp: 982
Ion Ratio Lower Upper
106 100
91 210.4 148.3 275.5

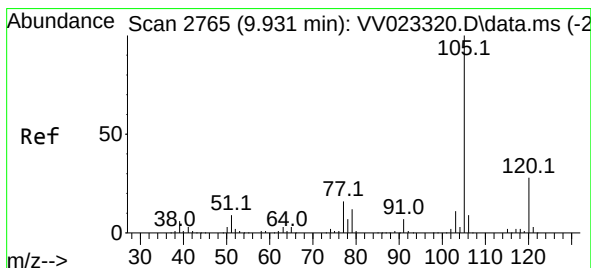
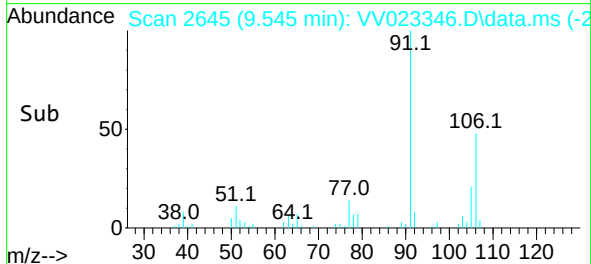
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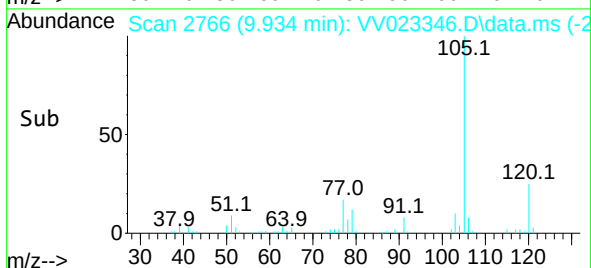
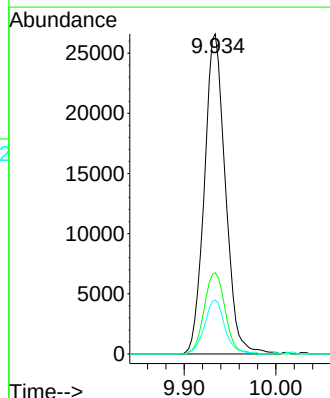
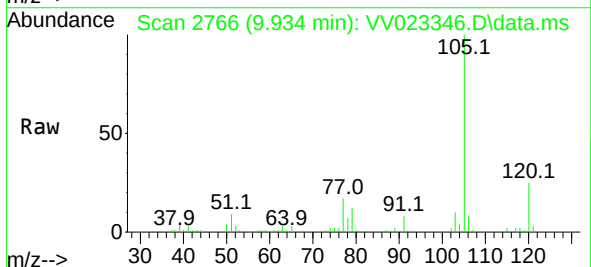
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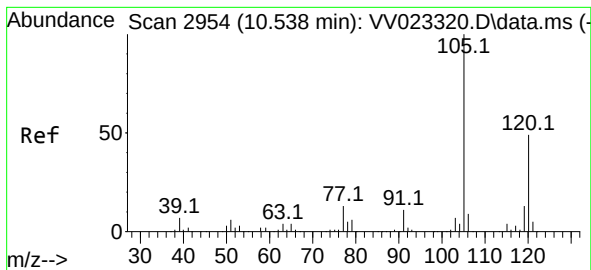
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#60
Isopropylbenzene
Concen: 0.986 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV023346.D
Acq: 10 Nov 2021 20:47

Tgt Ion:105 Resp: 42194
Ion Ratio Lower Upper
105 100
120 25.3 21.7 32.5
77 16.4 12.6 19.0





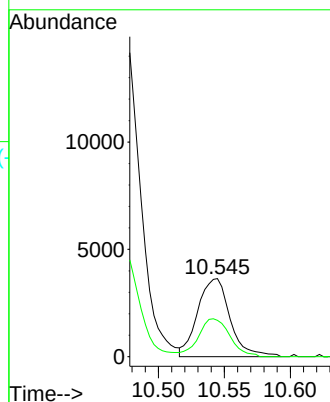
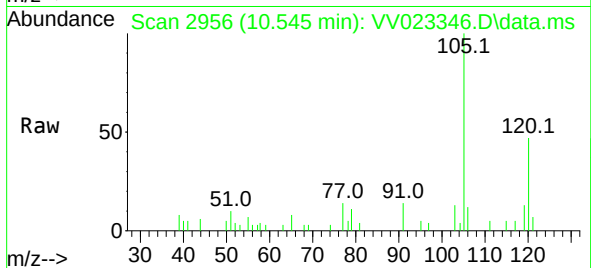
#62
1,3,5-Trimethylbenzene
Concen: 0.175 ug/L m
RT: 10.545 min Scan# 2954
Delta R.T. 0.006 min
Lab File: VV023346.D
Acq: 10 Nov 2021 20:47

Instrument :
MSVOA_V
ClientSampleId :
BGGE8

Tgt Ion:105 Resp: 620
Ion Ratio Lower Upper
105 100
120 4654.7 39.7 59.1

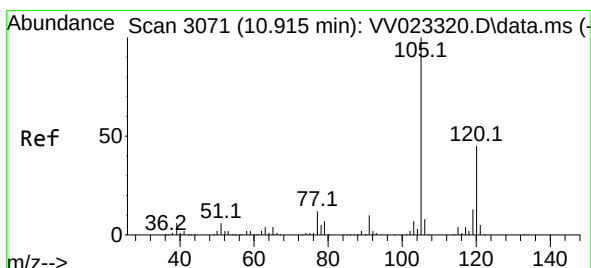
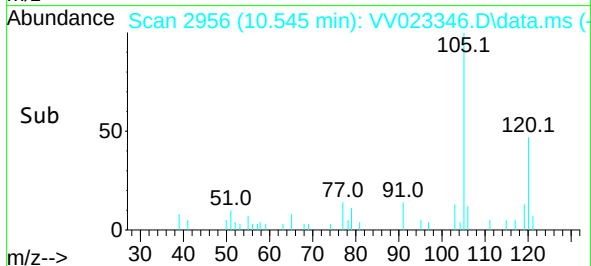
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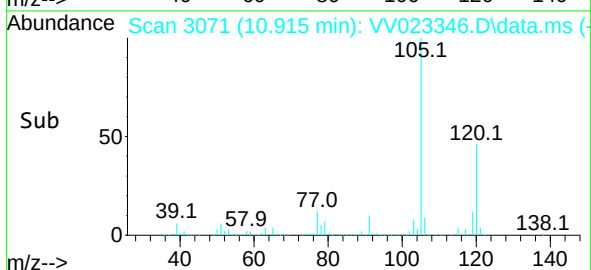
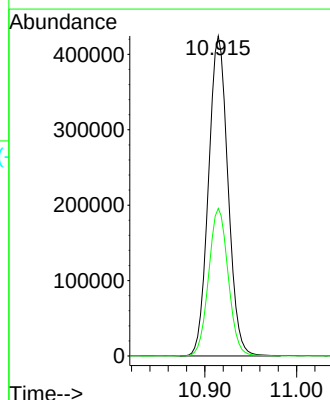
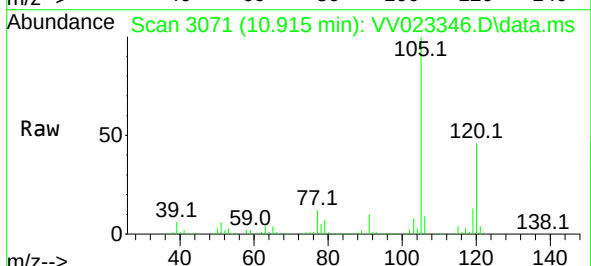
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Supervised By :Mahesh
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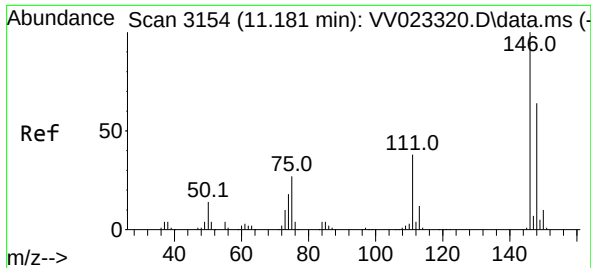
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#63
1,2,4-Trimethylbenzene
Concen: 17.708 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. -0.000 min
Lab File: VV023346.D
Acq: 10 Nov 2021 20:47

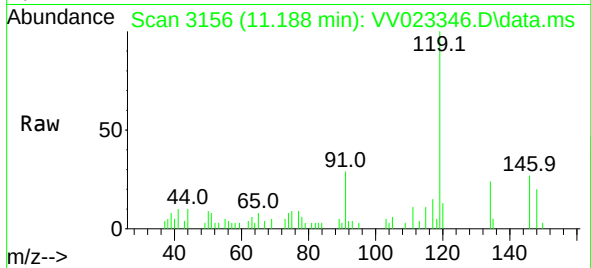
Tgt Ion:105 Resp: 625247
Ion Ratio Lower Upper
105 100
120 46.2 37.4 56.2





#64
1,3-Dichlorobenzene
Concen: 0.088 ug/L
RT: 11.188 min Scan# 3154
Delta R.T. 0.006 min
Lab File: VV023346.D
Acq: 10 Nov 2021 20:47

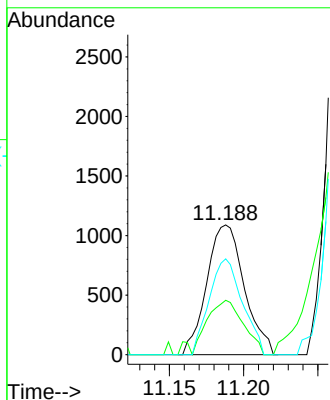
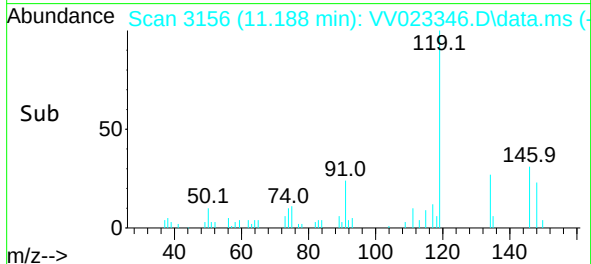
Instrument :
MSVOA_V
ClientSampleId :
BGGE8



Tgt Ion:146 Resp: 1918
Ion Ratio Lower Upper
146 100
111 41.9 26.7 49.7
148 73.9 42.9 79.7

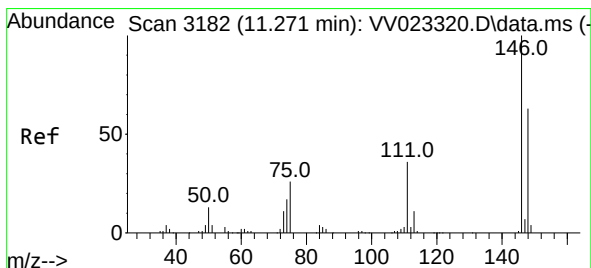
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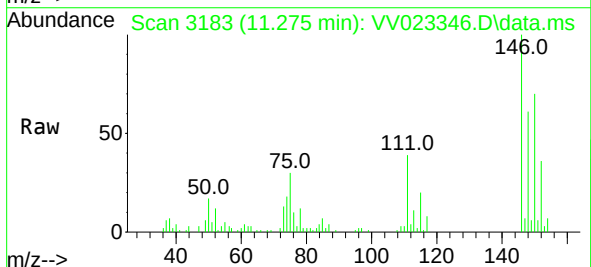


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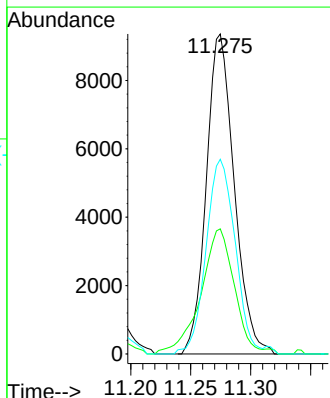
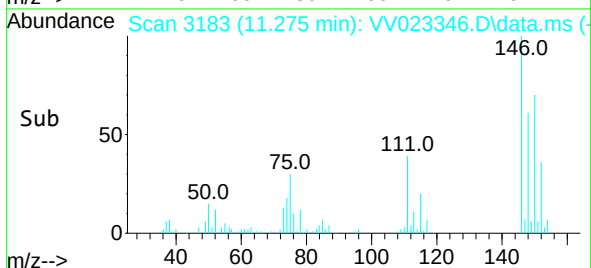
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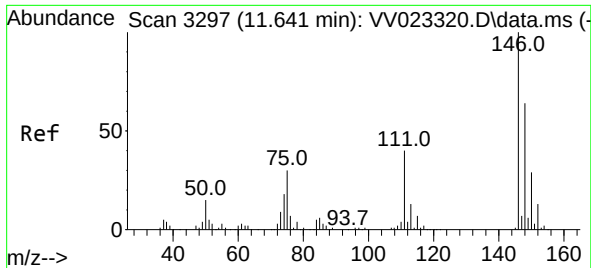


#65
1,4-Dichlorobenzene
Concen: 0.679 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.003 min
Lab File: VV023346.D
Acq: 10 Nov 2021 20:47



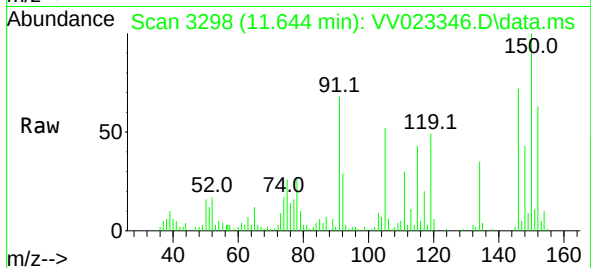
Tgt Ion:146 Resp: 15160
Ion Ratio Lower Upper
146 100
111 39.1 26.2 48.8
148 60.9 44.4 82.5





#67
 1,2-Dichlorobenzene
 Concen: 0.665 ug/L
 RT: 11.644 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV023346.D
 Acq: 10 Nov 2021 20:47

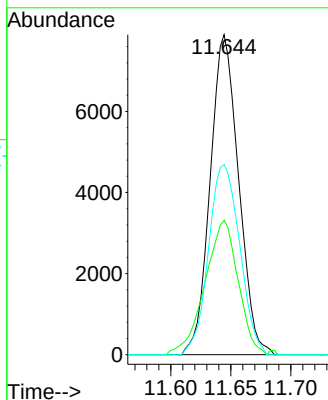
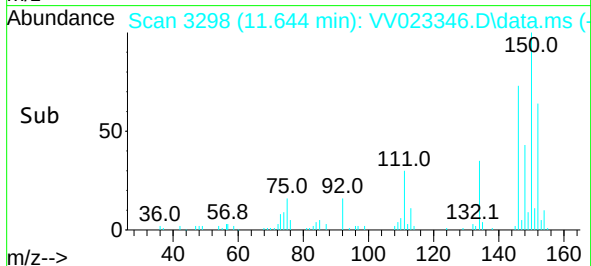
Instrument :
 MSVOA_V
 ClientSampleId :
 BGGE8



Tgt Ion:146 Resp: 1300
 Ion Ratio Lower Upper
 146 100
 111 42.0 31.6 47.4
 148 59.4 51.0 76.6

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