

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100121\
 Data File : VW022500.D
 Acq On : 02 Oct 2021 06:25
 Operator : SY/MD
 Sample : M4023-10
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AJ9

Manual Integrations
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10/6/2021 2:24:55 PM

Quant Time: Oct 02 06:46:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 02 01:27:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.625	114	247151	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	250066	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	130633	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	67968	44.466	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.940%
7) Chloroethane-d5	1.568	69	59656	49.650	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.300%
11) 1,1-Dichloroethene-d2	2.114	63	5208681	1728.211	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	3456.420%#
21) 2-Butanone-d5	3.895	46	68588	81.519	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.520%
24) Chloroform-d	4.352	84	128747	46.102	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.200%
26) 1,2-Dichloroethane-d4	5.040	65	77575	47.885	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.780%
32) Benzene-d6	5.059	84	266451	45.994	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.980%
36) 1,2-Dichloropropane-d6	6.104	67	85687	48.046	ug/L	0.04
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.100%
41) Toluene-d8	7.320	98	248411	46.746	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.500%
43) trans-1,3-Dichloroprop...	7.625	79	40035	47.446	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.900%
47) 2-Hexanone-d5	8.091	63	65783	89.041	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.040%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	110676	44.629	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.260%
66) 1,2-Dichlorobenzene-d4	11.625	152	98944	46.446	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.900%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.307	62	30723	13.187	ug/L	92
12) 1,1-Dichloroethene	2.117	96	8707173	5043.439	ug/L #	67
16) Methylene chloride	2.506	84	103024	47.496	ug/L	98
17) trans-1,2-Dichloroethene	2.764	96	14681	7.747	ug/L	99
19) 1,1-Dichloroethane	3.191	63	336304	100.289	ug/L	99
20) cis-1,2-Dichloroethene	3.915	96	4442204	2200.181	ug/L	96
25) Chloroform	4.381	83	30915	9.162	ug/L	97
27) 1,2-Dichloroethane	5.143	62	22962	9.397	ug/L	98
30) 1,1,1-Trichloroethane	4.625	97	20268880	6488.539	ug/L	95
33) Benzene	5.114	78	7466	0.967	ug/L	100
34) Trichloroethene	5.931	95	62215855m	30860.963	ug/L	
42) Toluene	7.394	91	63096	7.758	ug/L	98
45) 1,1,2-Trichloroethane	7.841	97	128243	62.668	ug/L	99
46) Tetrachloroethene	7.979	164	26639	15.784	ug/L	98
52) Ethylbenzene	9.021	91	21070	2.489	ug/L	97
53) m,p-Xylene	9.140	106	37548	11.196	ug/L	98
54) o-Xylene	9.548	106	1070663	327.668	ug/L	99
60) Isopropylbenzene	9.934	105	53554	6.443	ug/L	100
61) 1,2,3-Trichloropropane	10.278	75	4195	1.689	ug/L	97

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

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

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Data File : VV022500.D
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Operator : SY/MD
Sample : M4023-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

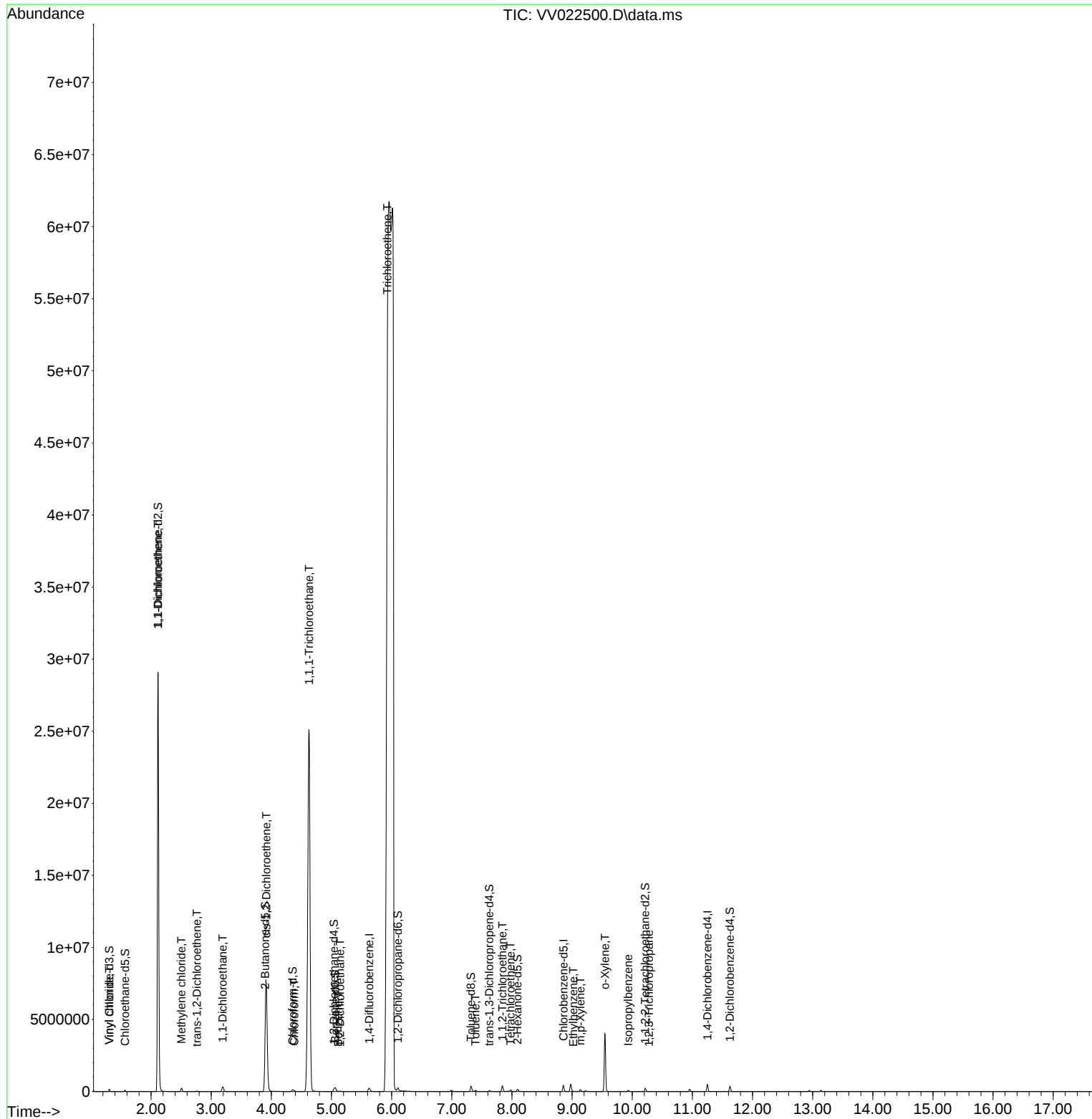
Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

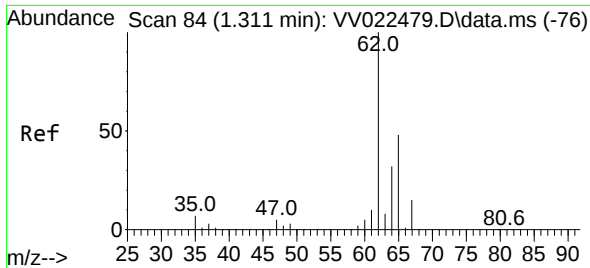
Manual Integrations
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100121WMA.M
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#5
 Vinyl chloride
 Concen: 13.187 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.003 min
 Lab File: VV022500.D
 Acq: 02 Oct 2021 06:25

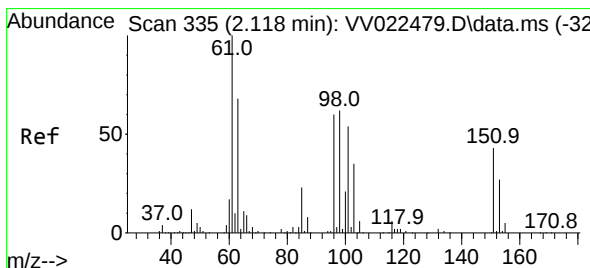
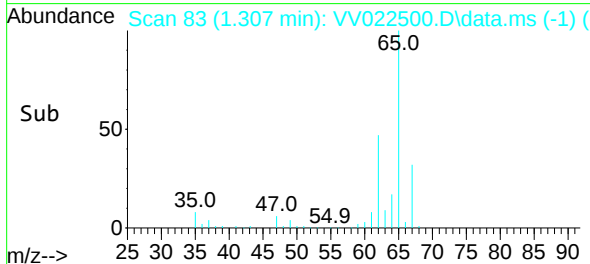
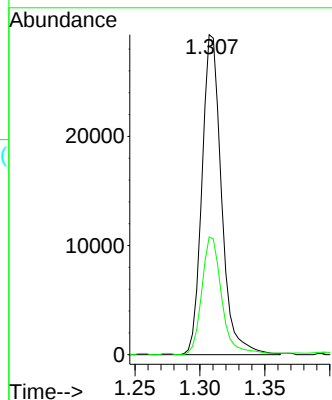
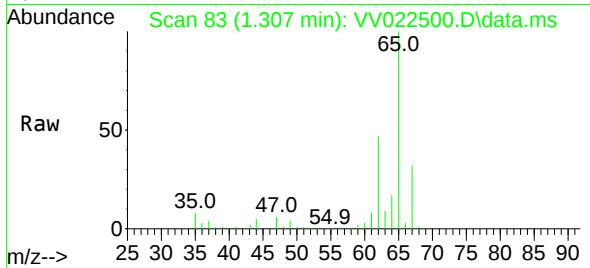
Tgt Ion: 62 Resp: 30723
 Ion Ratio Lower Upper
 62 100
 64 36.8 22.5 41.9

Instrument :
 MSVOA_V
 ClientSampled :
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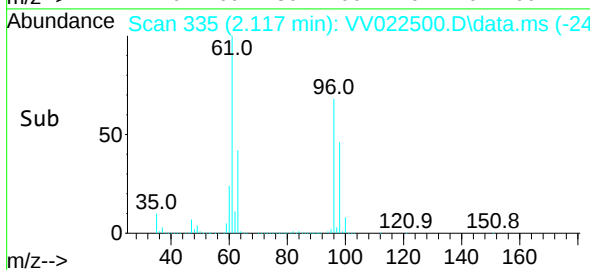
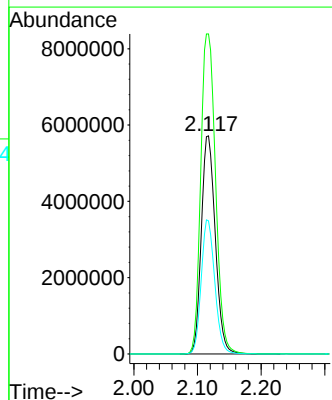
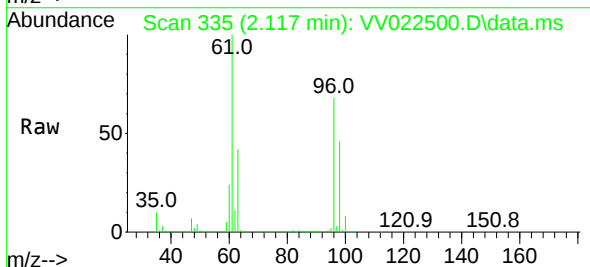
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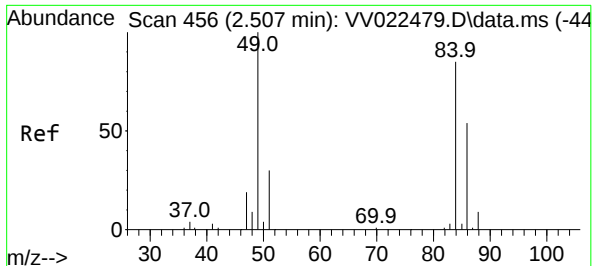
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#12
 1,1-Dichloroethene
 Concen: 5043.439 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. -0.000 min
 Lab File: VV022500.D
 Acq: 02 Oct 2021 06:25

Tgt Ion: 96 Resp: 8707173
 Ion Ratio Lower Upper
 96 100
 61 146.7 118.0 219.2
 63 61.0 86.4 160.4#





#16
Methylene chloride
Concen: 47.496 ug/L
RT: 2.506 min Scan# 456
Delta R.T. -0.000 min
Lab File: VV022500.D
Acq: 02 Oct 2021 06:25

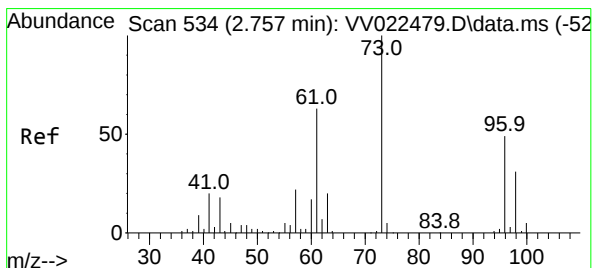
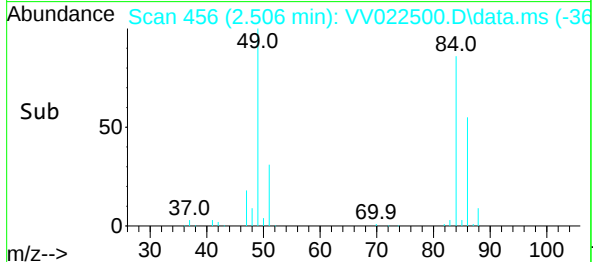
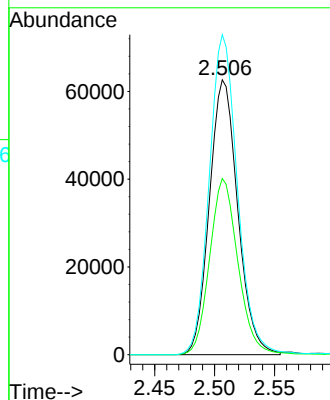
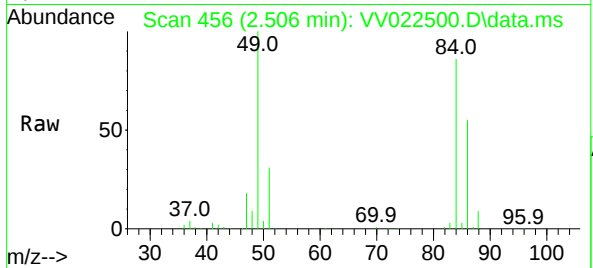
Tgt Ion: 84 Resp: 103024
Ion Ratio Lower Upper
84 100
86 64.1 45.6 84.6
49 116.4 82.7 153.7

Instrument :
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ClientSampled :
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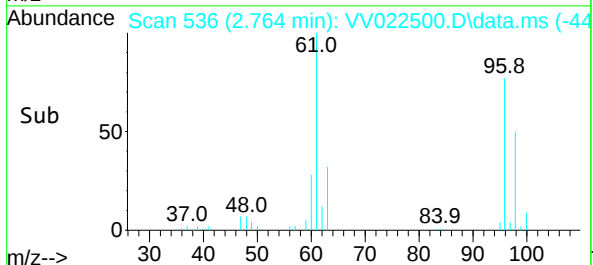
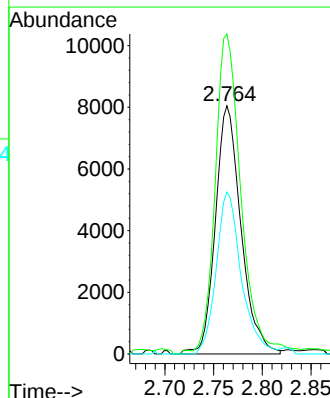
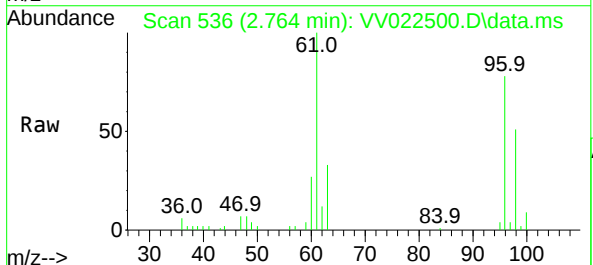
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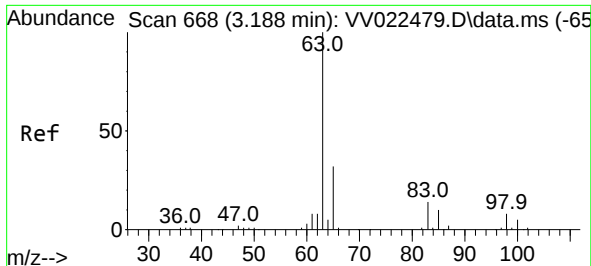
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#17
trans-1,2-Dichloroethene
Concen: 7.747 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.006 min
Lab File: VV022500.D
Acq: 02 Oct 2021 06:25

Tgt Ion: 96 Resp: 14681
Ion Ratio Lower Upper
96 100
61 128.9 90.8 168.6
98 65.3 44.0 81.8





#19

1,1-Dichloroethane

Concen: 100.289 ug/L

RT: 3.191 min Scan# 669

Delta R.T. 0.003 min

Lab File: VV022500.D

Acq: 02 Oct 2021 06:25

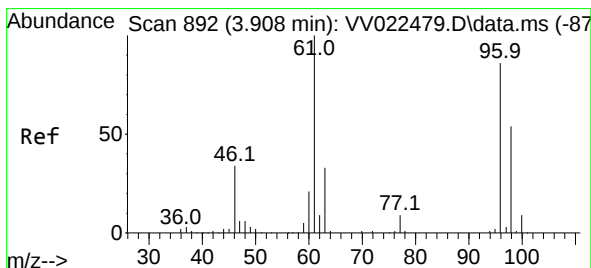
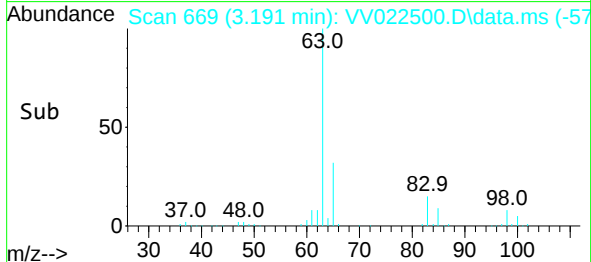
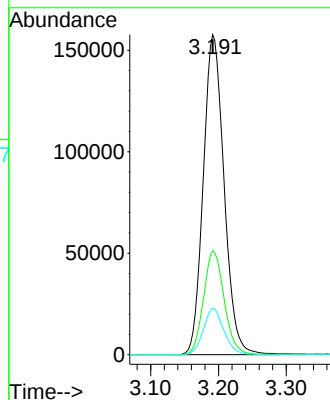
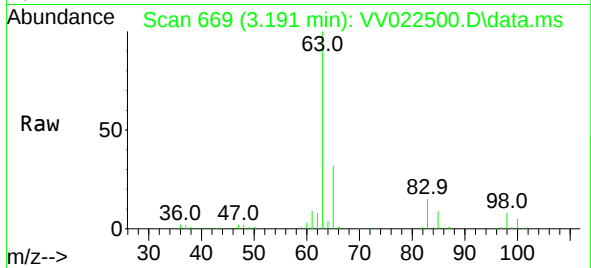
Tgt Ion: 63	Resp: 336304		
Ion Ratio	Lower	Upper	
63	100		
65	32.4	22.9	42.5
83	14.5	9.4	17.4

Instrument :
MSVOA_V
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#20

cis-1,2-Dichloroethene

Concen: 2200.181 ug/L

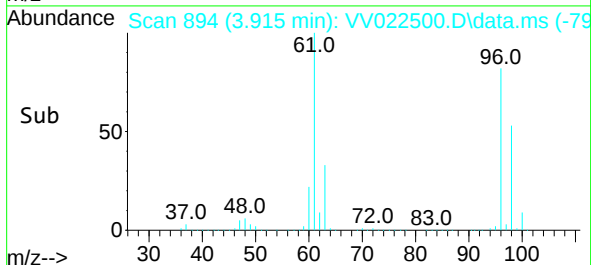
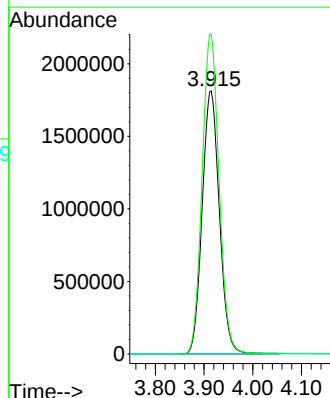
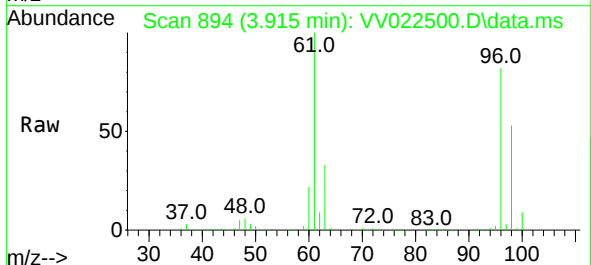
RT: 3.915 min Scan# 894

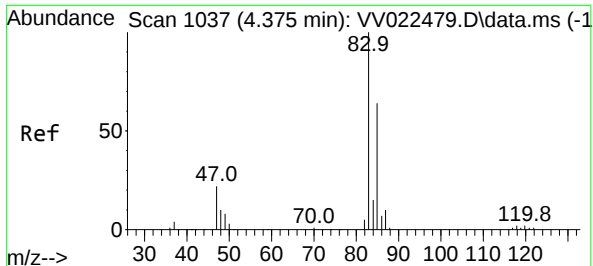
Delta R.T. 0.006 min

Lab File: VV022500.D

Acq: 02 Oct 2021 06:25

Tgt Ion: 96	Resp: 4442204		
Ion	Ratio	Lower	Upper
96	100		
61	121.4	81.9	152.1
68	0.0	0.0	0.0





#25

Chloroform

Concen: 9.162 ug/L

RT: 4.381 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VV022500.D

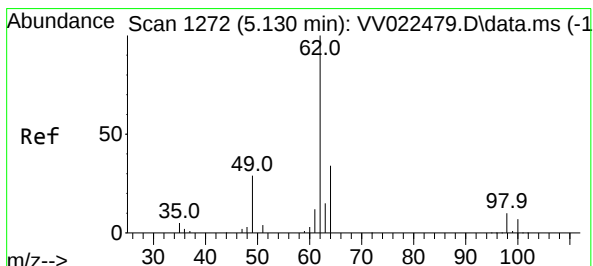
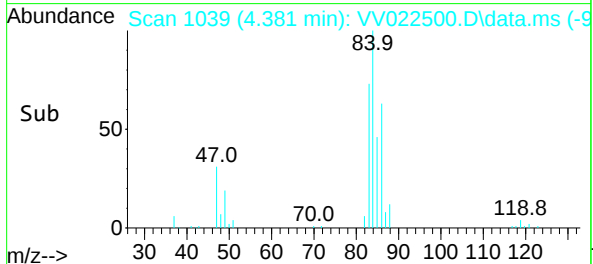
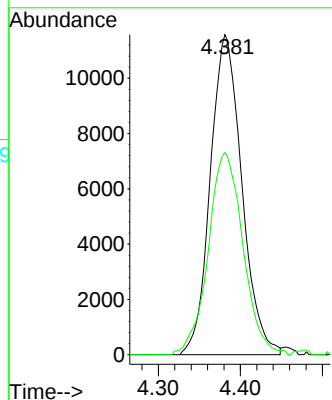
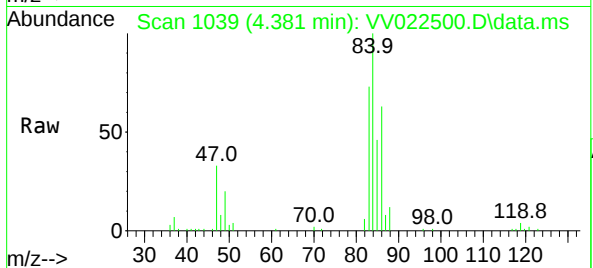
Acq: 02 Oct 2021 06:25

Tgt Ion: 83 Resp: 30915

Ion Ratio Lower Upper

83 100

85 63.2 45.8 85.0



#27

1,2-Dichloroethane

Concen: 9.397 ug/L

RT: 5.143 min Scan# 1276

Delta R.T. 0.013 min

Lab File: VV022500.D

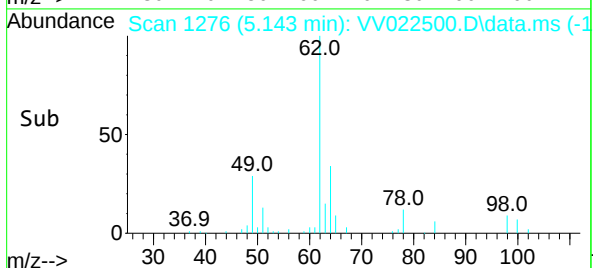
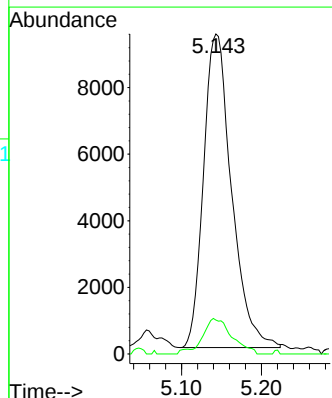
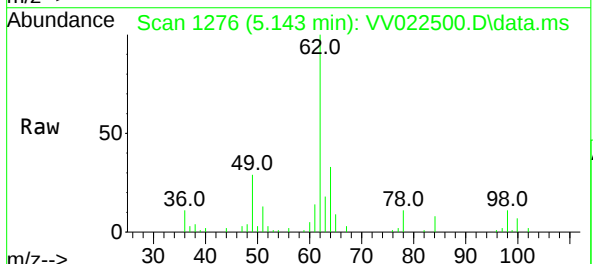
Acq: 02 Oct 2021 06:25

Tgt Ion: 62 Resp: 22962

Ion Ratio Lower Upper

62 100

98 10.6 9.0 13.4



Instrument :

MSVOA_V

ClientSampled :

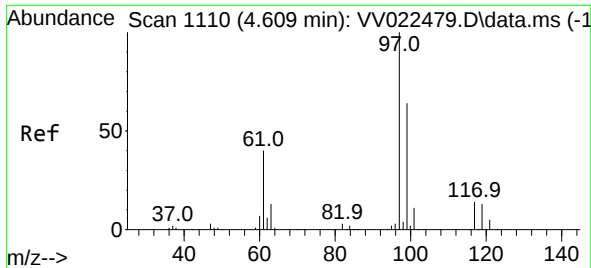
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#30
1,1,1-Trichloroethane
Concen: 6488.539 ug/L
RT: 4.625 min Scan# 1115
Delta R.T. 0.016 min
Lab File: VV022500.D
Acq: 02 Oct 2021 06:25

Tgt Ion: 97 Resp: 20268880

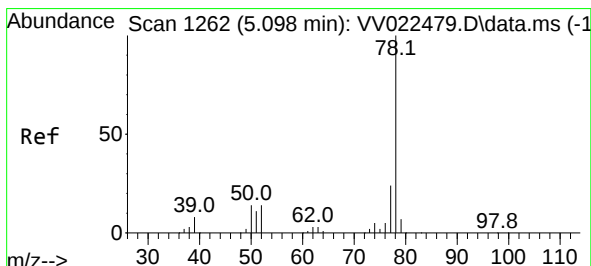
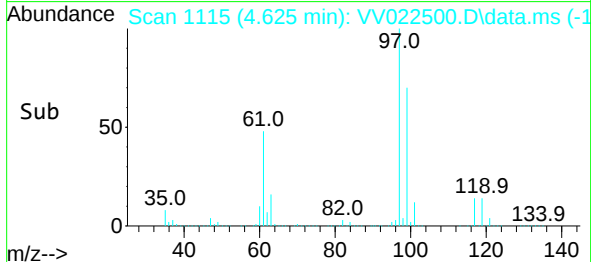
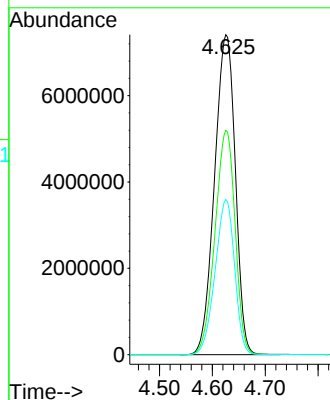
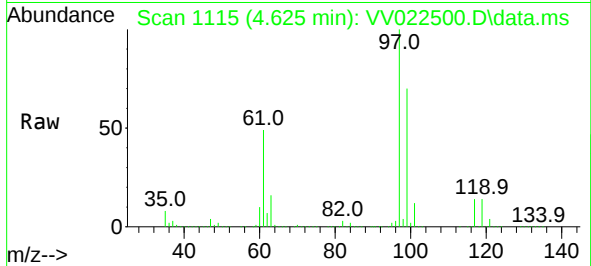
Ion	Ratio	Lower	Upper
97	100		
99	68.0	51.7	77.5
61	45.5	32.9	49.3

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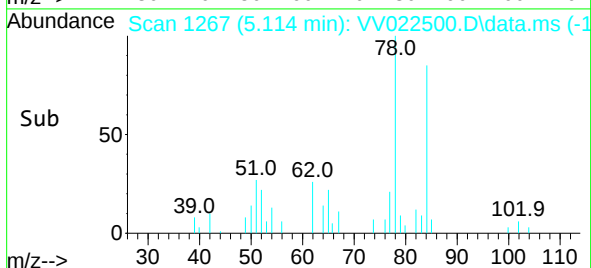
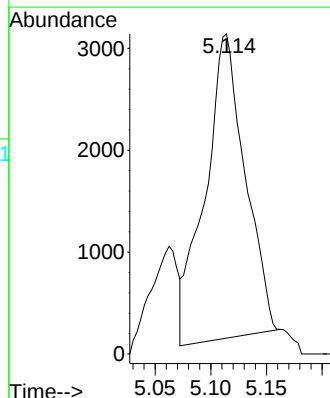
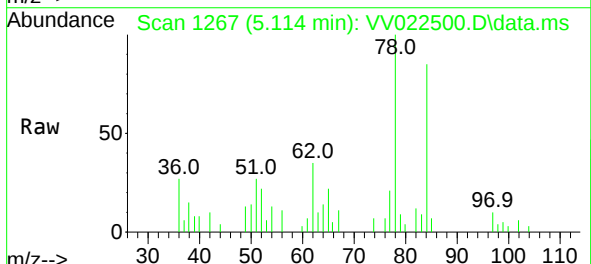
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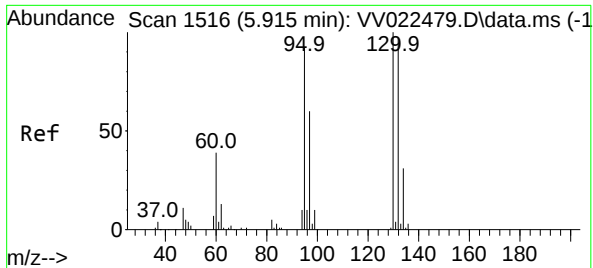
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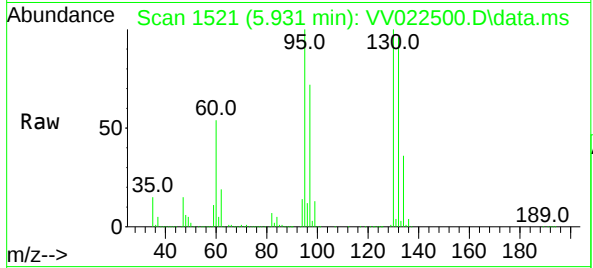
#33
Benzene
Concen: 0.967 ug/L
RT: 5.114 min Scan# 1267
Delta R.T. 0.016 min
Lab File: VV022500.D
Acq: 02 Oct 2021 06:25

Tgt Ion: 78 Resp: 7466



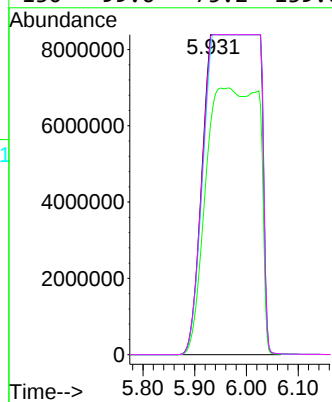


#34
Trichloroethene
Concen: 30860.963 ug/L m
RT: 5.931 min Scan# 1521
Delta R.T. 0.016 min
Lab File: VV022500.D
Acq: 02 Oct 2021 06:25



Tgt Ion: 95 Resp: 62215855

Ion	Ratio	Lower	Upper
95	100		
97	72.1	45.4	84.4
132	95.6	71.5	132.9
130	99.6	75.2	139.6

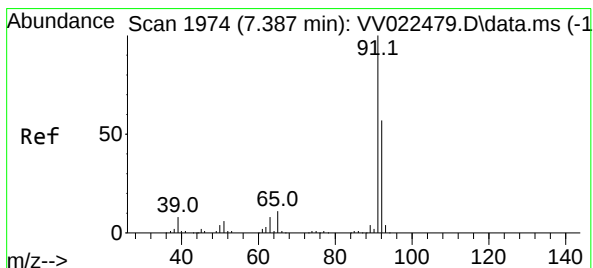


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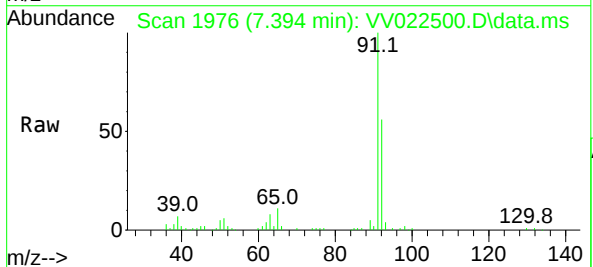
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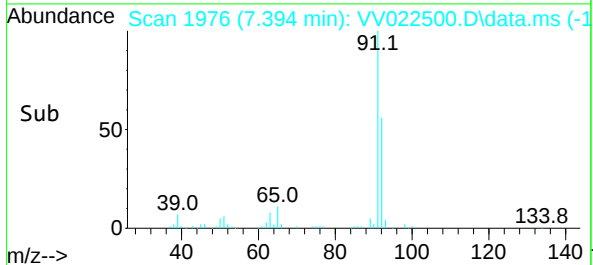
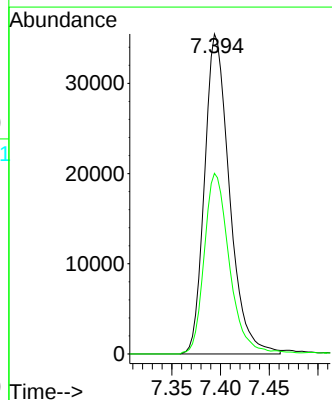


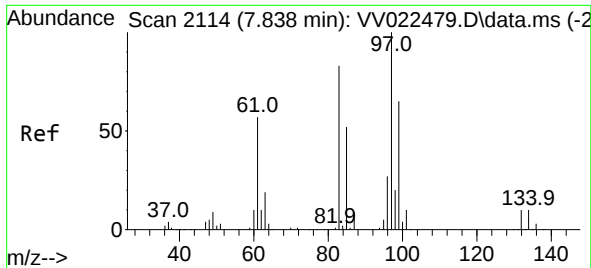
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Toluene
Concen: 7.758 ug/L
RT: 7.394 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VV022500.D
Acq: 02 Oct 2021 06:25



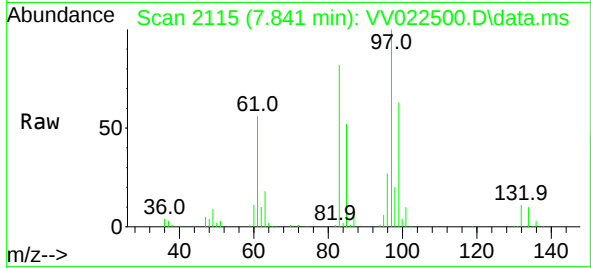
Tgt Ion: 91 Resp: 63096

Ion	Ratio	Lower	Upper
91	100		
92	56.4	40.6	75.4

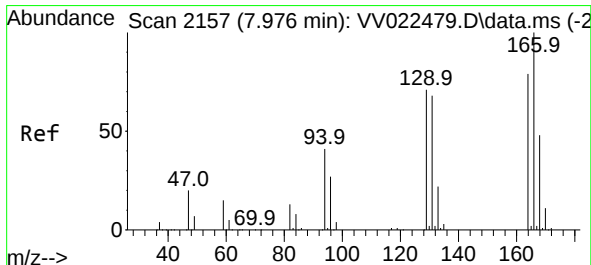
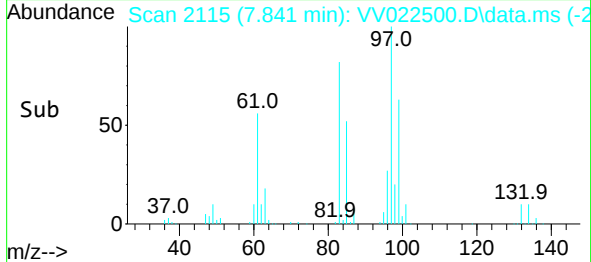
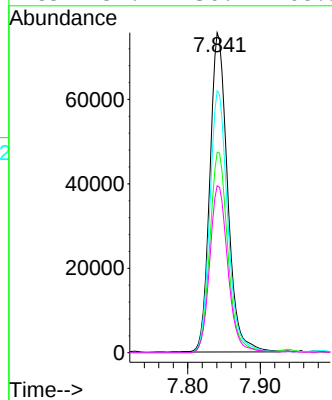




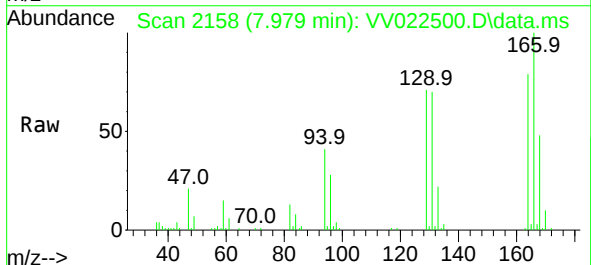
#45
1,1,2-Trichloroethane
Concen: 62.668 ug/L
RT: 7.841 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VV022500.D
Acq: 02 Oct 2021 06:25



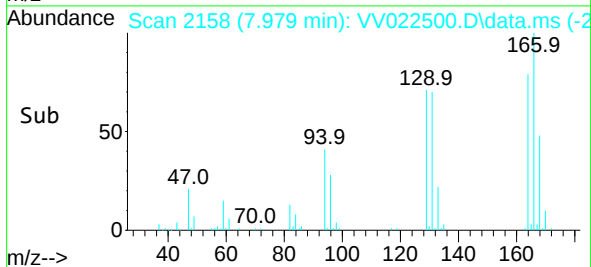
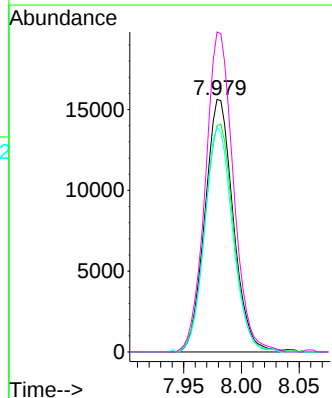
Tgt Ion:	97	Resp:	128243
Ion Ratio	100	Lower	Upper
99	62.7	43.1	80.1
83	81.9	58.6	108.8
85	52.2	36.9	68.5



#46
Tetrachloroethene
Concen: 15.784 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.003 min
Lab File: VV022500.D
Acq: 02 Oct 2021 06:25



Tgt Ion:	164	Resp:	26639
Ion Ratio	100	Lower	Upper
129	89.6	64.6	120.0
131	88.9	59.9	111.3
166	126.7	88.0	163.4

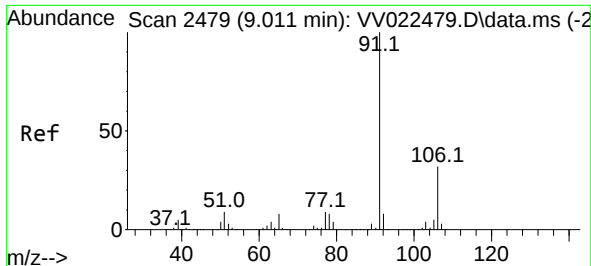


Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

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#52
Ethylbenzene
Concen: 2.489 ug/L
RT: 9.021 min Scan# 2482
Delta R.T. 0.009 min
Lab File: VV022500.D
Acq: 02 Oct 2021 06:25

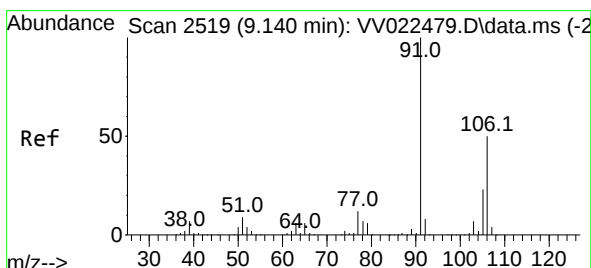
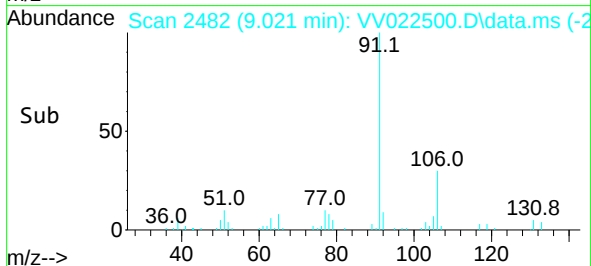
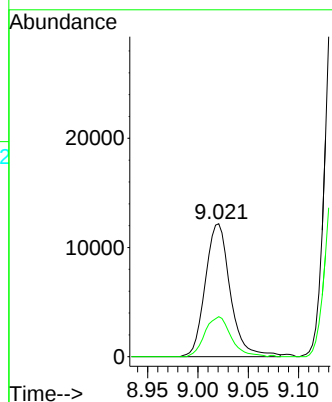
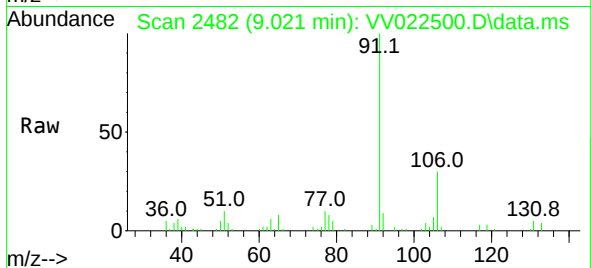
Tgt Ion: 91 Resp: 21070
Ion Ratio Lower Upper
91 100
106 30.0 22.0 41.0

Instrument :
MSVOA_V
ClientSampled :
C0AJ9

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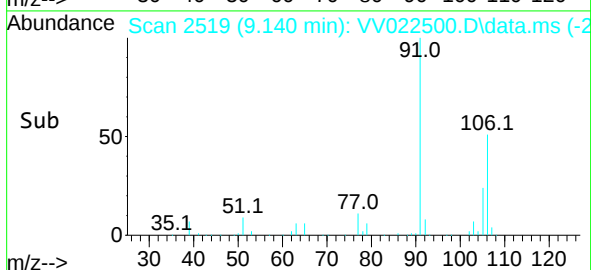
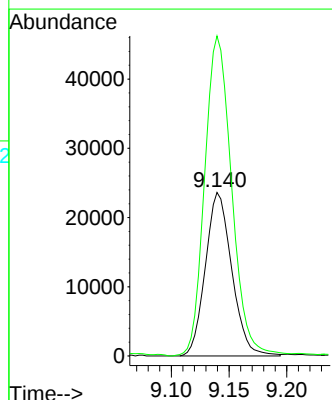
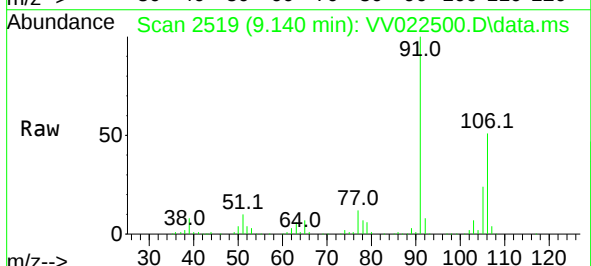
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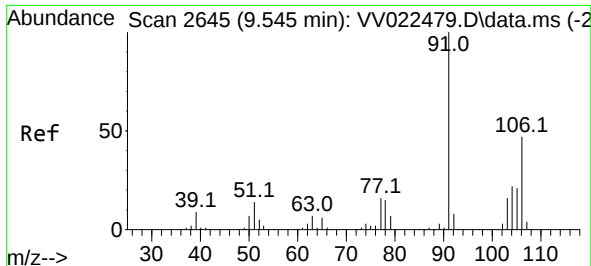
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#53
m,p-Xylene
Concen: 11.196 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. -0.000 min
Lab File: VV022500.D
Acq: 02 Oct 2021 06:25

Tgt Ion: 106 Resp: 37548
Ion Ratio Lower Upper
106 100
91 195.6 139.4 258.8





#54
o-Xylene
Concen: 327.668 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.003 min
Lab File: VV022500.D
Acq: 02 Oct 2021 06:25

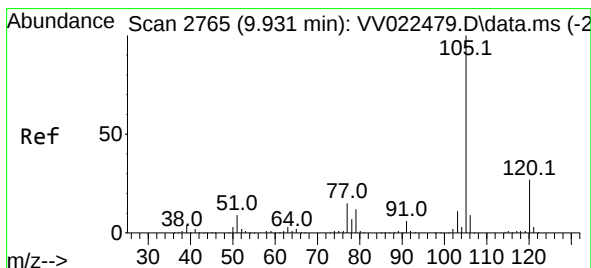
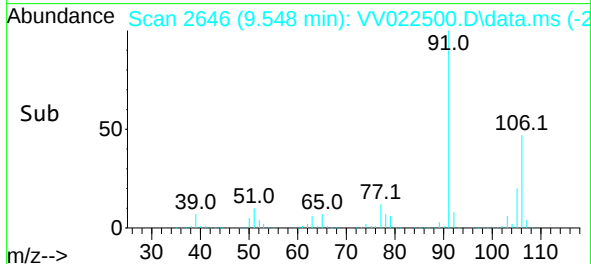
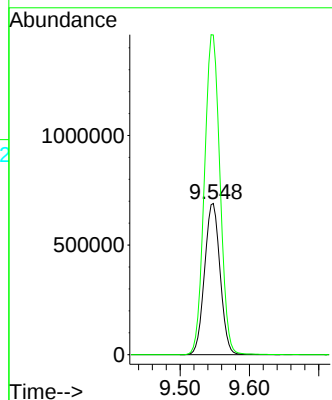
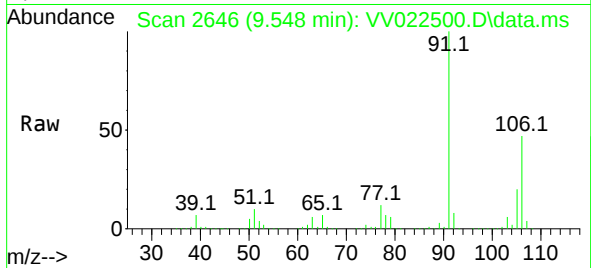
Tgt Ion:106 Resp: 1070663
Ion Ratio Lower Upper
106 100
91 211.3 148.7 276.1

Instrument :
MSVOA_V
ClientSampled :
C0AJ9

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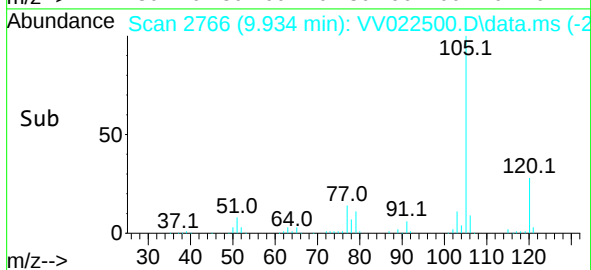
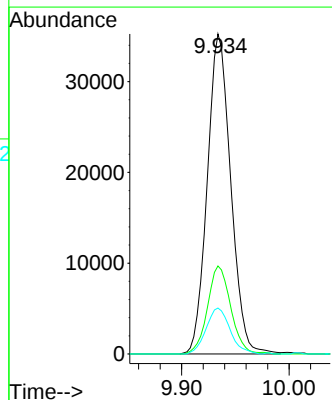
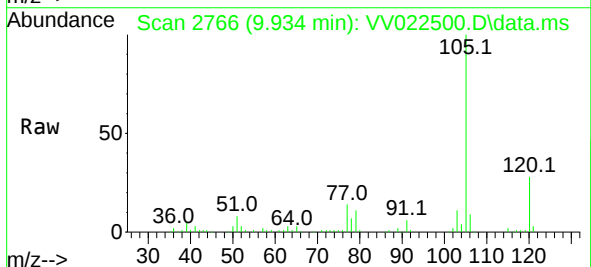
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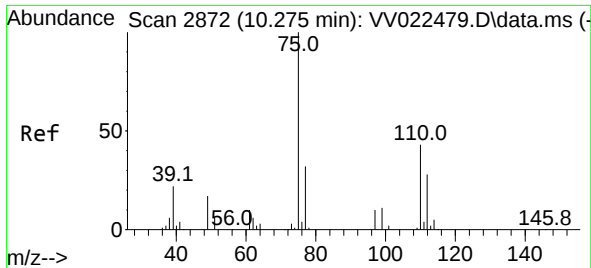
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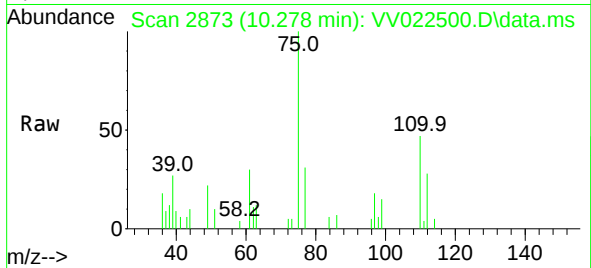
#60
Isopropylbenzene
Concen: 6.443 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV022500.D
Acq: 02 Oct 2021 06:25

Tgt Ion:105 Resp: 53554
Ion Ratio Lower Upper
105 100
120 27.1 21.6 32.4
77 14.6 12.0 18.0

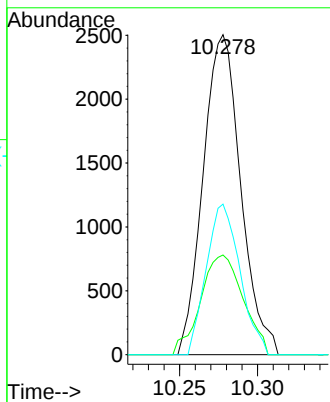
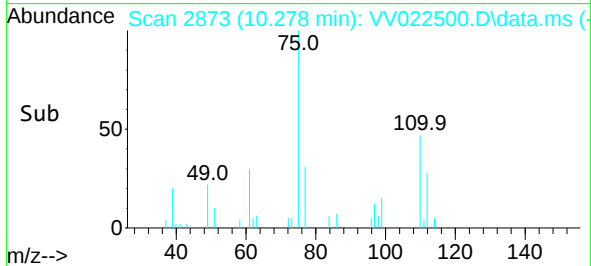




#61
 1,2,3-Trichloropropane
 Concen: 1.689 ug/L
 RT: 10.278 min Scan# 2873
 Delta R.T. 0.003 min
 Lab File: VV022500.D
 Acq: 02 Oct 2021 06:25



Tgt Ion:	75	Resp:	4195
Ion	Ratio	Lower	Upper
75	100		
77	35.3	26.0	39.0
110	42.3	34.3	51.5



Instrument :
 MSVOA_V
 ClientSampleId :
 C0AJ9

Manual Integrations
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