

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052020\
 Data File : VV016130.D
 Acq On : 20 May 2020 14:43
 Operator : SY/MD
 Sample : L2725-02
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9B01

Manual Integrations
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 5/22/2020 11:27:11 AM

Quant Time: May 21 03:08:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 21 01:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	142878	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	140363	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	69987	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34107	4.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	1.58	69	37101	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.00%
11) 1,1-Dichloroethene-d2	2.13	63	61001	3.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.20%
20) 2-Butanone-d5	3.91	46	122785	55.53	ug/L	-0.08
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.06%
24) Chloroform-d	4.38	84	74419	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	5.06	65	49633	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.08	84	164817	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.10	67	54097	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.20%
41) Toluene-d8	7.34	98	144156	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
45) trans-1,3-Dichloropropene-	7.65	79	17051	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
48) 2-Hexanone-d5	8.11	63	94362	53.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.36%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38858	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	57803	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	166873	15.744	ug/L	100
12) 1,1-Dichloroethene	2.14	96	7291	0.927	ug/L #	1
13) Acetone	2.20	43	2686m	1.842	ug/L	
18) trans-1,2-Dichloroethene	2.78	96	26829	3.088	ug/L	100
19) 1,1-Dichloroethane	3.23	63	2049	0.122	ug/L #	88
22) cis-1,2-Dichloroethene	3.94	96	842112	92.578	ug/L	99
25) Chloroform	4.41	83	16187	0.878	ug/L	92
27) 1,2-Dichloroethane	5.16	62	77665	6.858	ug/L	99
30) Cyclohexane	4.71	56	1875	0.121	ug/L	94
33) Benzene	5.13	78	41174	1.166	ug/L	100
34) Trichloroethene	5.94	95	321834	31.929	ug/L	94
47) 1,1,2-Trichloroethane	7.86	97	9234	1.541	ug/L	93
49) Tetrachloroethene	8.00	164	10621	1.510	ug/L	97
53) Chlorobenzene	8.90	112	148477	6.168	ug/L	98
56) o-xylene	9.57	106	3749	0.249	ug/L	76
63) 1,3-Dichlorobenzene	11.21	146	5275	0.280	ug/L	96
64) 1,4-Dichlorobenzene	11.30	146	29341	1.549	ug/L	100

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 21 01:36:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dichlorobenzene	11.67	146	107179	6.280	ug/L	98

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

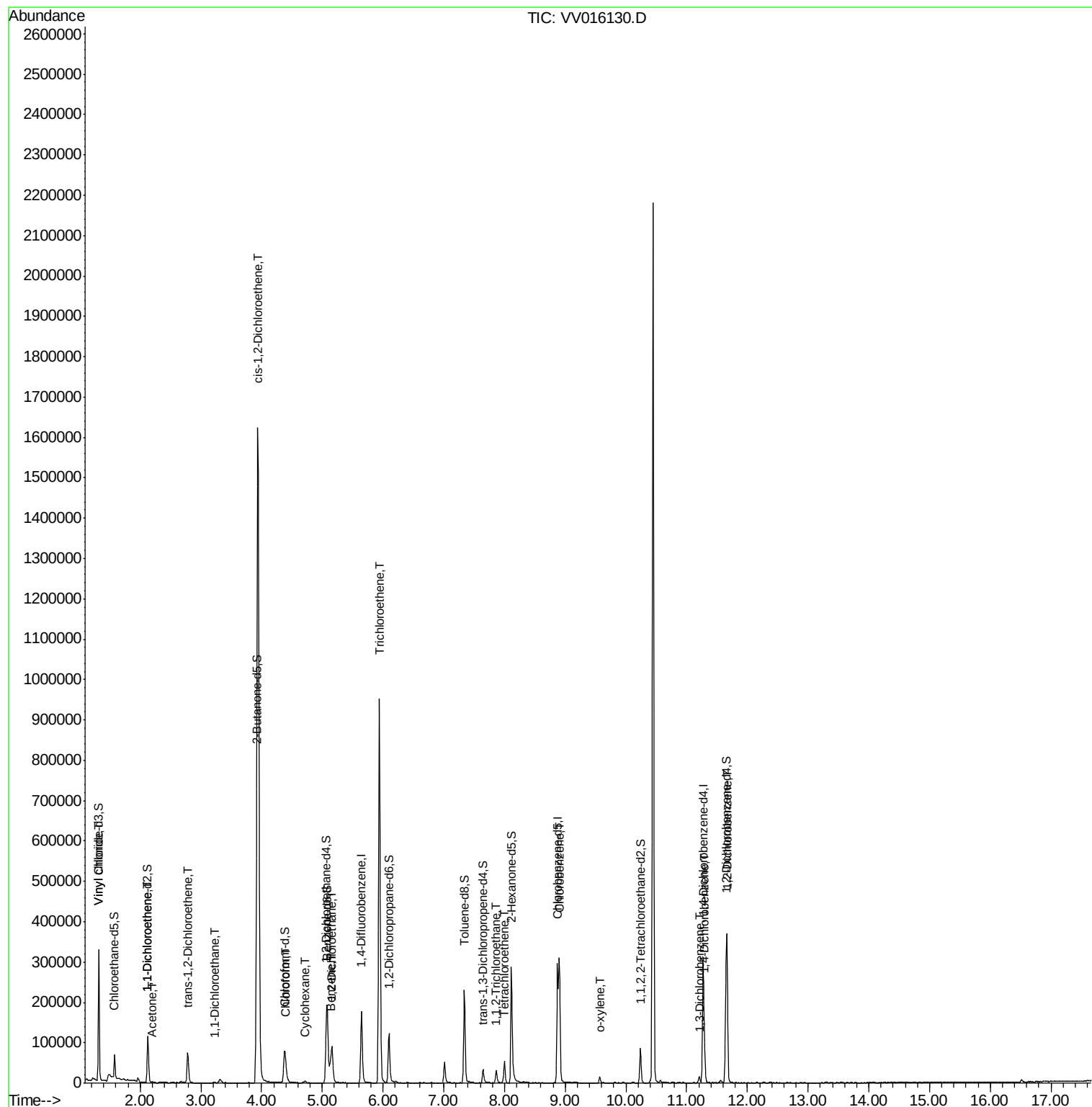
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Data File : VV016130.D
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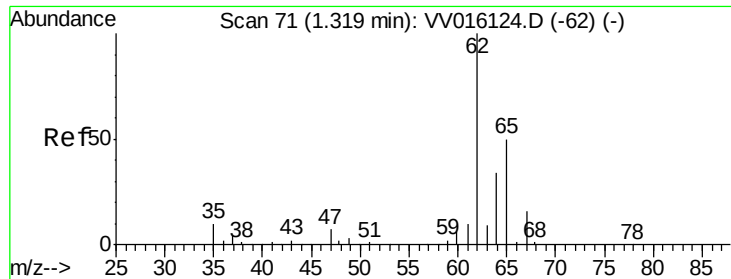
Instrument :
MSVOA_V
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Manual Integrations
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QLast Update : Thu May 21 01:36:12 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 15.744 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016130.D

Acq: 20 May 2020 14:43

Instrument :

MSVOA_V

ClientSampled :

F9B01

Tot Ion: 62 Resp: 166873

Ion Ratio Lower Upper

62 100

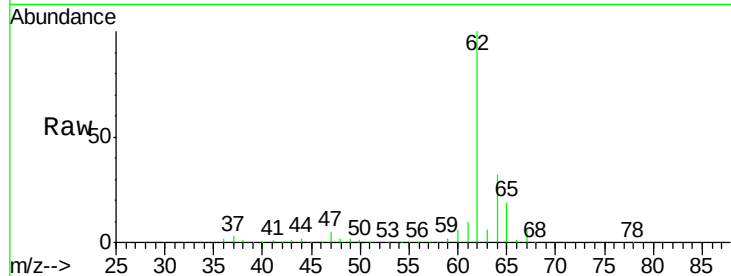
64 32.1 22.4 41.6

Manual Integrations

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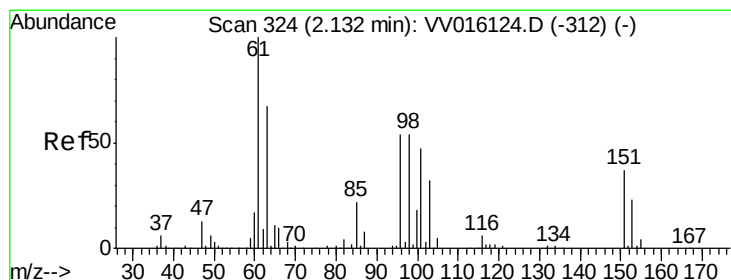
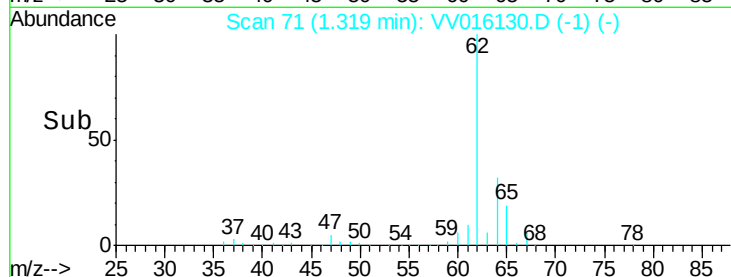
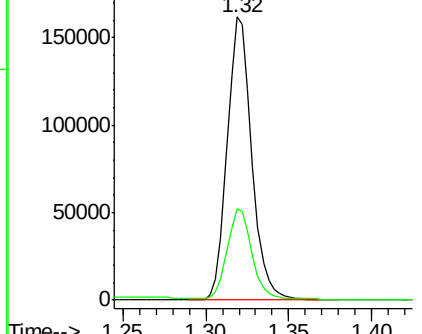
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Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#12

1,1-Dichloroethene

Concen: 0.927 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016130.D

Acq: 20 May 2020 14:43

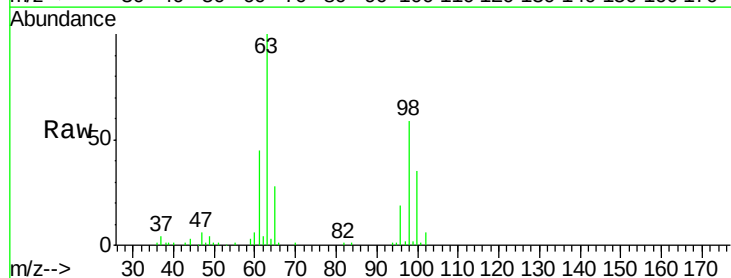
Tgt Ion: 96 Resp: 7291

Ion Ratio Lower Upper

96 100

61 233.1 139.9 259.7

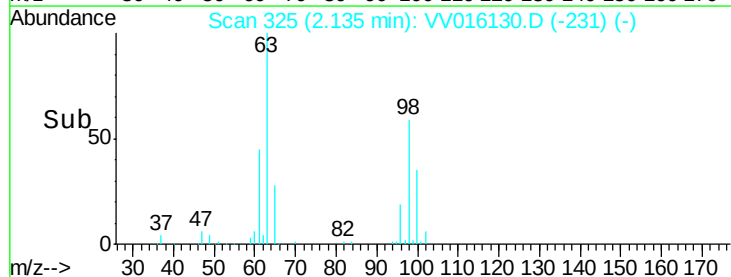
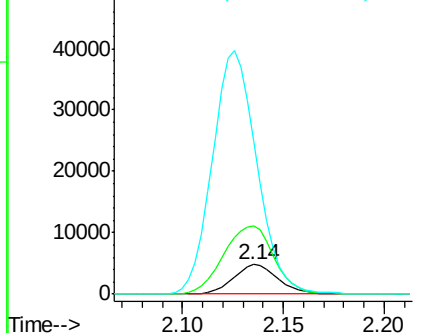
63 519.9 106.4 197.6#

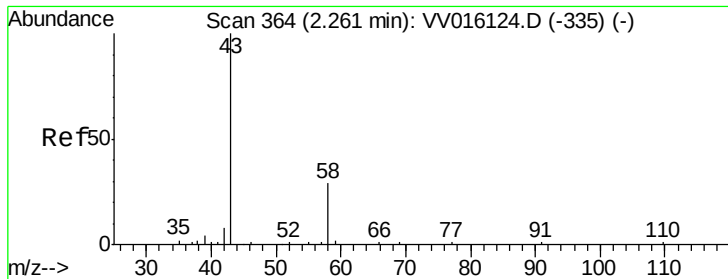


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.842 ug/L m

RT: 2.20 min Scan# 345

Delta R.T. -0.06 min

Lab File: VV016130.D

Acq: 20 May 2020 14:43

Instrument :

MSVOA_V

ClientSampled :

F9B01

Tot Ion: 43 Resp: 2686

Ion Ratio Lower Upper

43 100

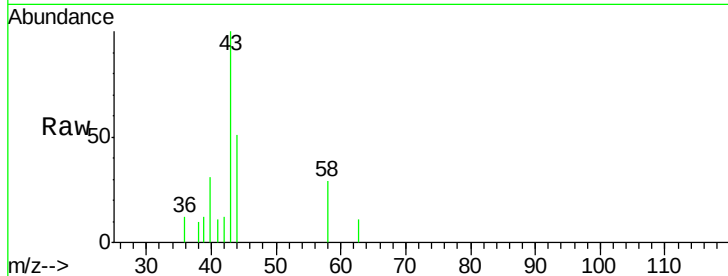
58 1.7 0.0 30.8

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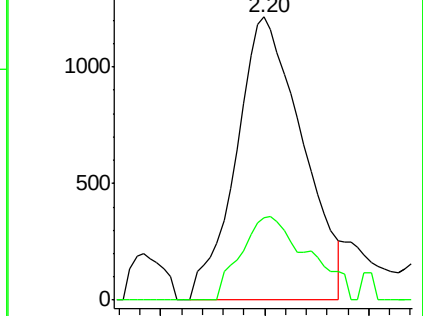
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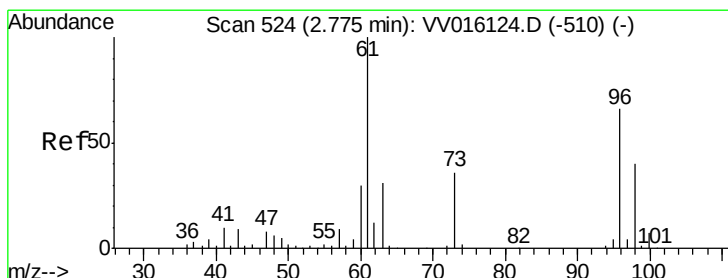
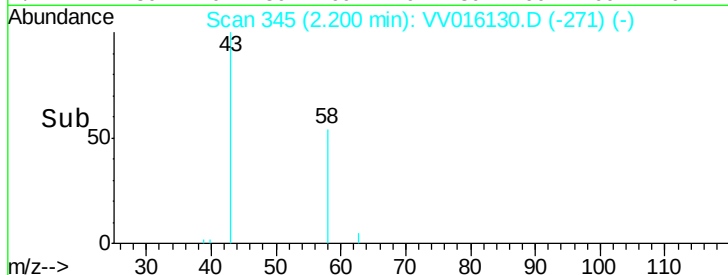


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



Time-->



#18

trans-1,2-Dichloroethene

Concen: 3.088 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV016130.D

Acq: 20 May 2020 14:43

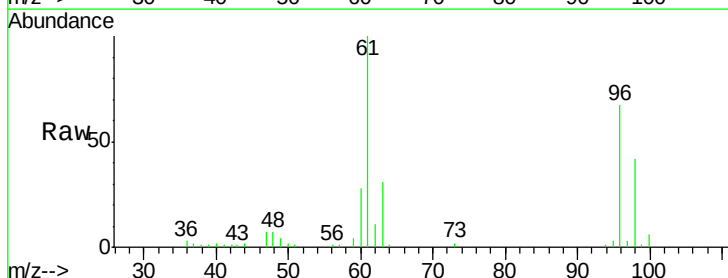
Tgt Ion: 96 Resp: 26829

Ion Ratio Lower Upper

96 100

61 150.3 105.3 195.5

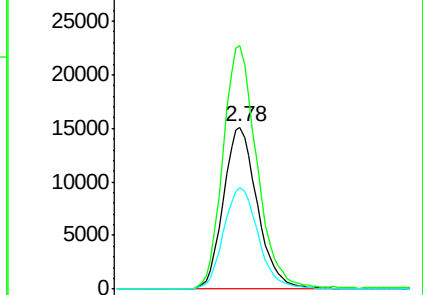
98 62.7 44.0 81.6



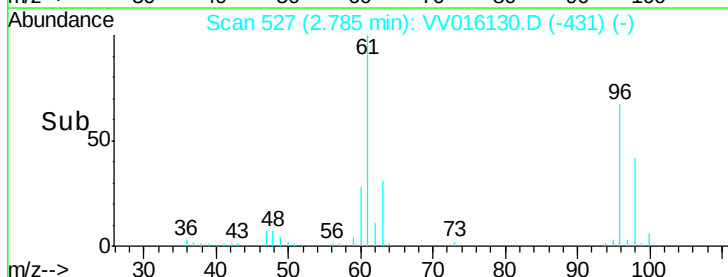
Abundance Ion 96.00 (95.70 to 96.70): VV0

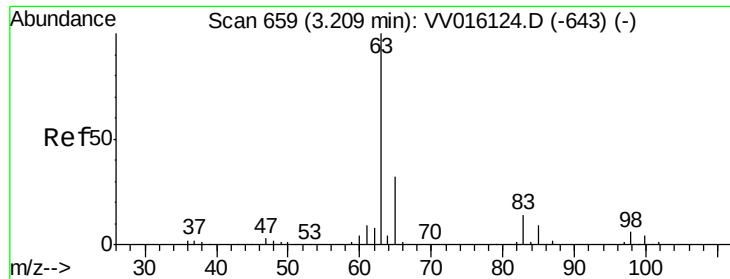
Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



Time-->





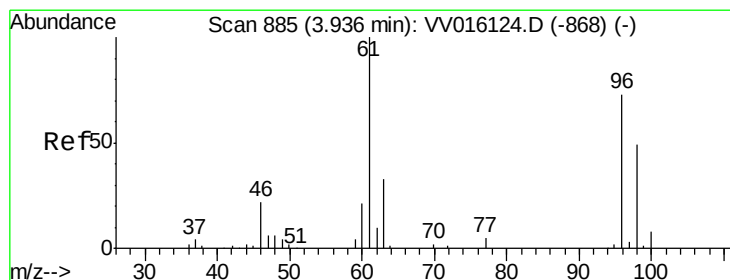
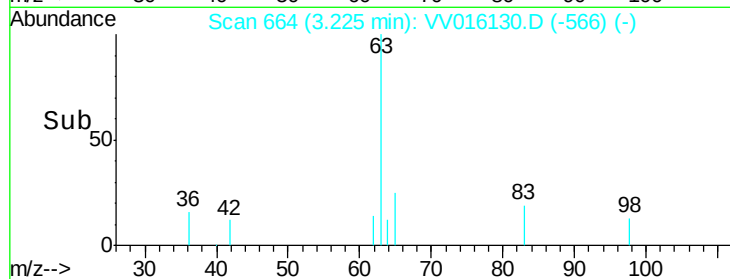
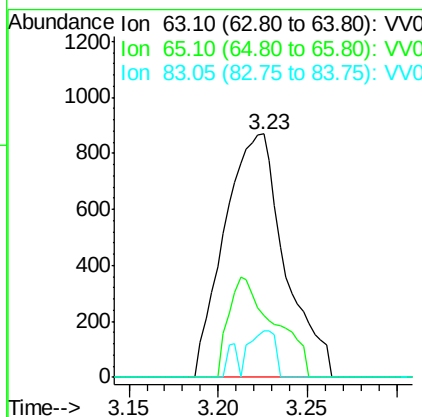
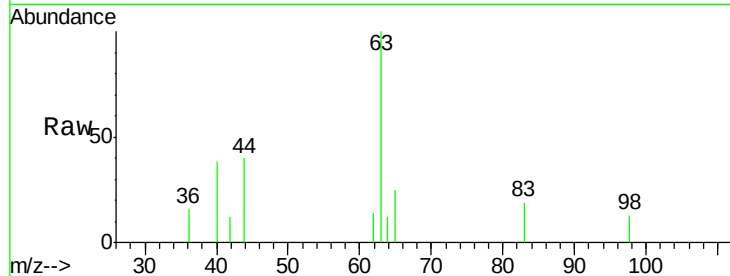
#19
 1,1-Dichloroethane
 Concen: 0.122 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.02 min
 Lab File: VV016130.D
 Acq: 20 May 2020 14:43

Instrument :
 MSVOA_V
 ClientSampled :
 F9B01

Tot Ion	63	Resp	2049
Ion	Ratio	Lower	Upper
63	100		
65	25.2	22.0	41.0
83	19.3	9.8	18.2#

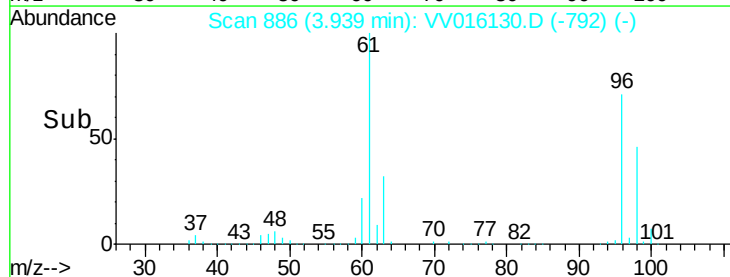
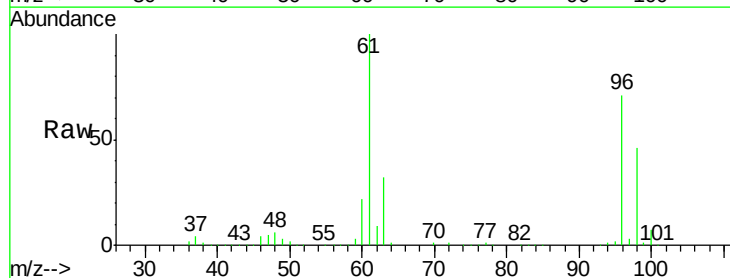
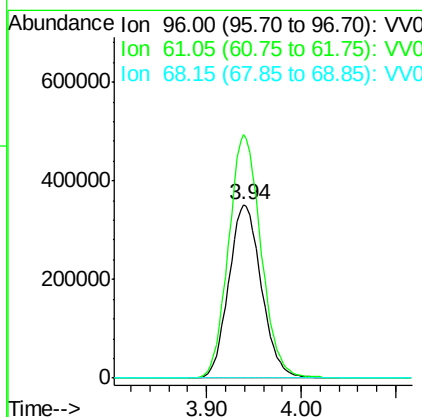
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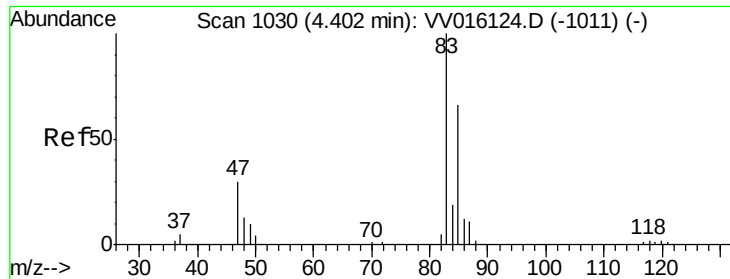
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#22
 cis-1,2-Dichloroethene
 Concen: 92.578 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV016130.D
 Acq: 20 May 2020 14:43

Tgt Ion	96	Resp	842112
Ion	Ratio	Lower	Upper
96	100		
61	140.3	97.2	180.6
68	0.0	0.0	0.0





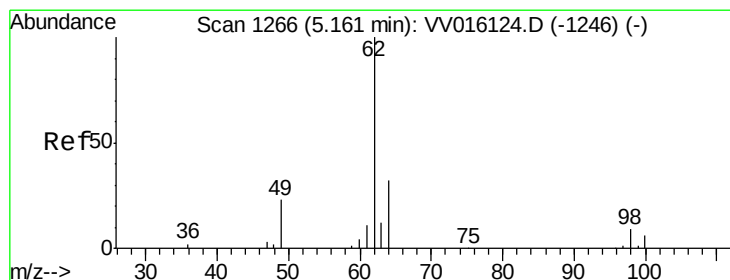
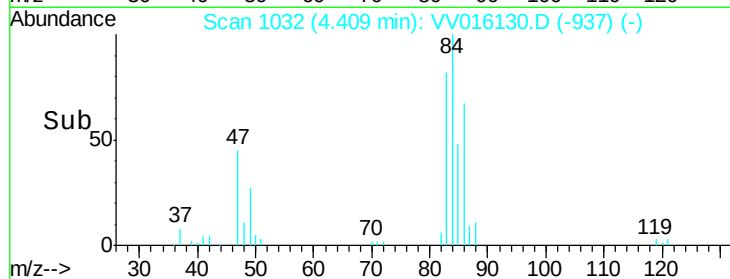
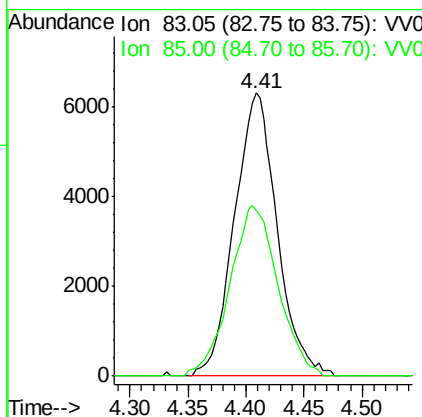
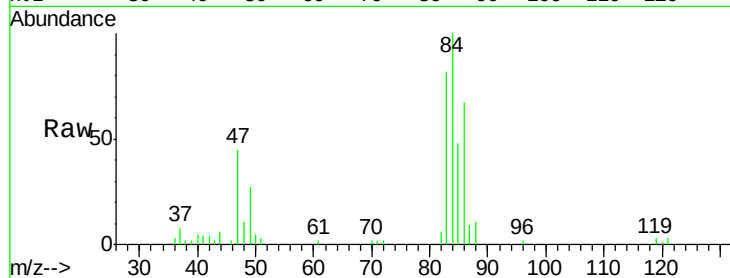
#25
Chloroform
Concen: 0.878 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV016130.D
Acq: 20 May 2020 14:43

Instrument :
MSVOA_V
ClientSampled :
F9B01

Tot Ion	83	Resp	16187
Ion Ratio	100	Lower	Upper
85	58.7	45.7	84.9

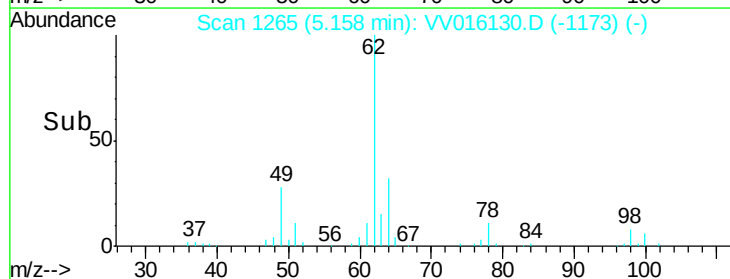
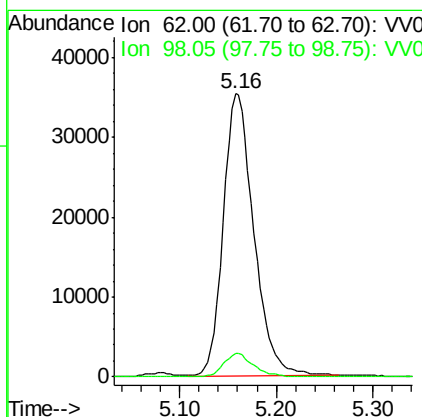
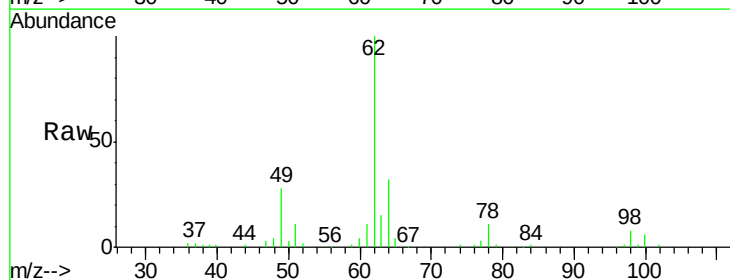
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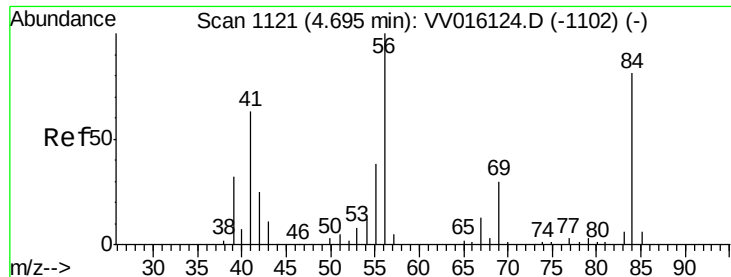
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#27
1,2-Dichloroethane
Concen: 6.858 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV016130.D
Acq: 20 May 2020 14:43

Tgt Ion	62	Resp	77665
Ion Ratio	100	Lower	Upper
98	8.2	6.7	10.1





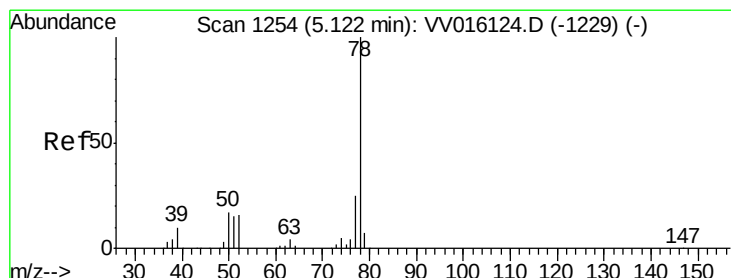
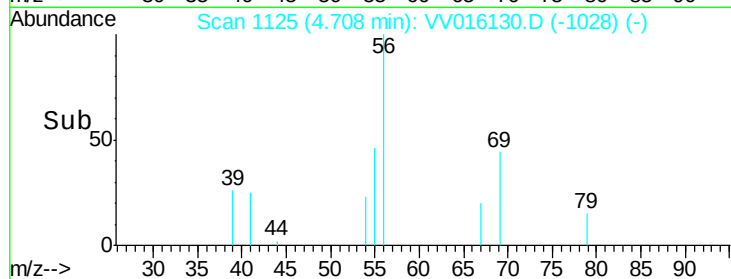
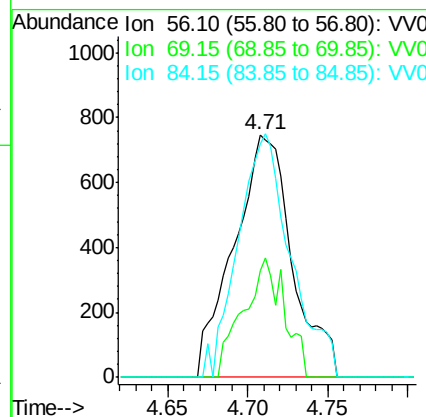
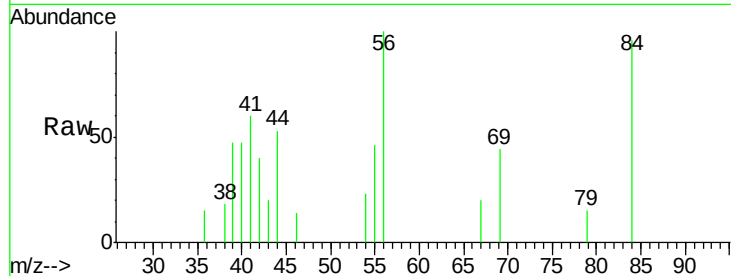
#30
Cyclohexane
Concen: 0.121 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VV016130.D
Acq: 20 May 2020 14:43

Instrument :
MSVOA_V
ClientSampled :
F9B01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.5	24.2	36.2
84	90.1	68.3	102.5

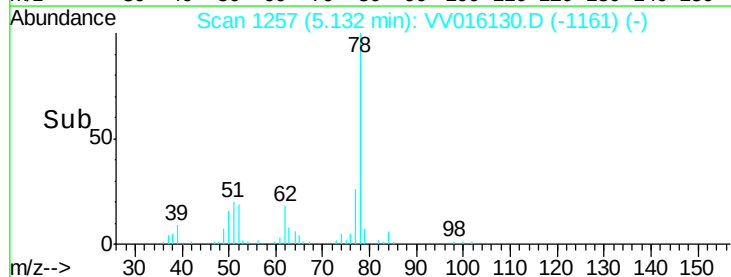
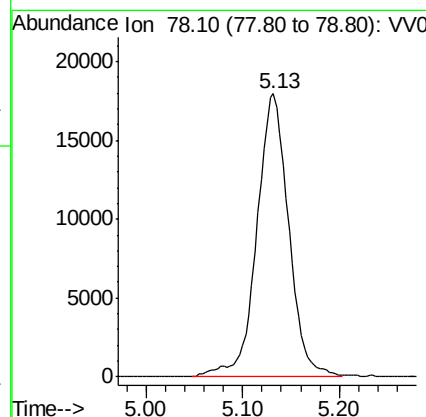
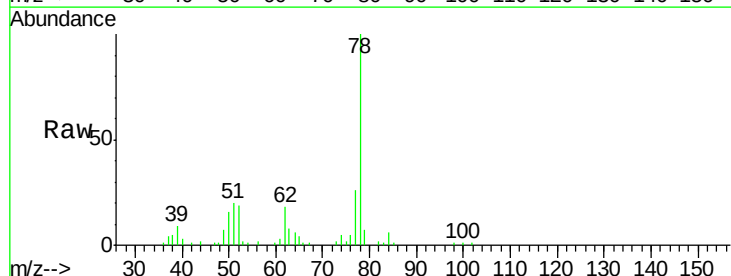
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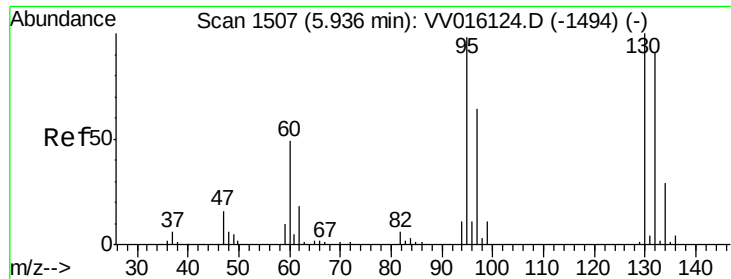
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#33
Benzene
Concen: 1.166 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VV016130.D
Acq: 20 May 2020 14:43

Tgt Ion: 78 Resp: 41174





#34

Trichloroethene

Concen: 31.929 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016130.D

Acq: 20 May 2020 14:43

Instrument :

MSVOA_V

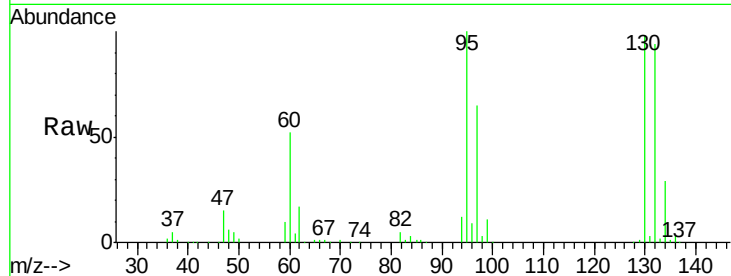
ClientSampled :

F9B01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		321834		
97	64.7	43.3	80.5		
132	94.5	60.3	112.1		
130	98.3	66.0	122.6		

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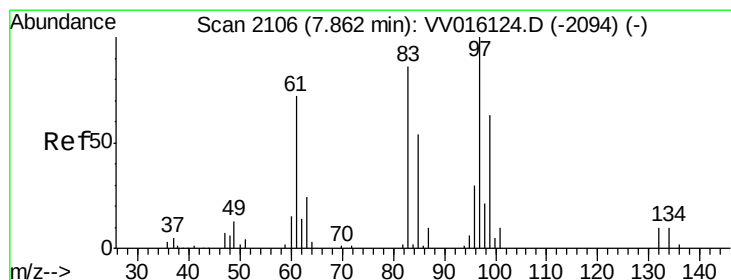
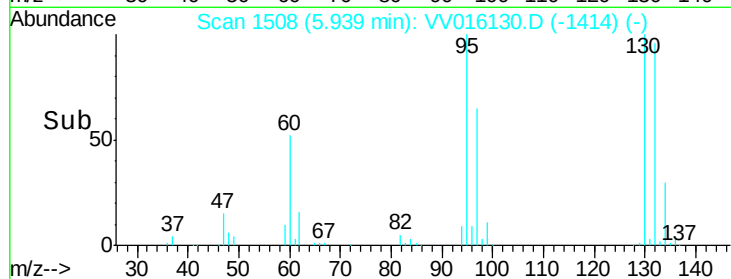
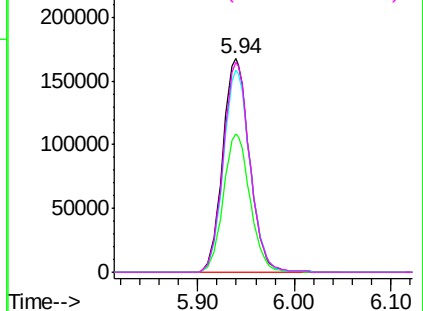
Abundance

Ion 95.00 (94.70 to 95.70): VV016130.D (-1414) (-)

Ion 96.95 (96.65 to 97.65): VV016130.D (-1414) (-)

Ion 131.95 (131.65 to 132.65): VV016130.D (-1414) (-)

Ion 129.95 (129.65 to 130.65): VV016130.D (-1414) (-)



#47

1,1,2-Trichloroethane

Concen: 1.541 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VV016130.D

Acq: 20 May 2020 14:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		9234		
99	55.7	42.1	78.1		
83	77.1	59.2	110.0		
85	49.7	38.6	71.8		

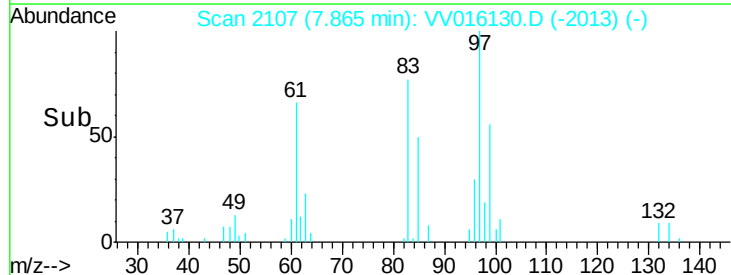
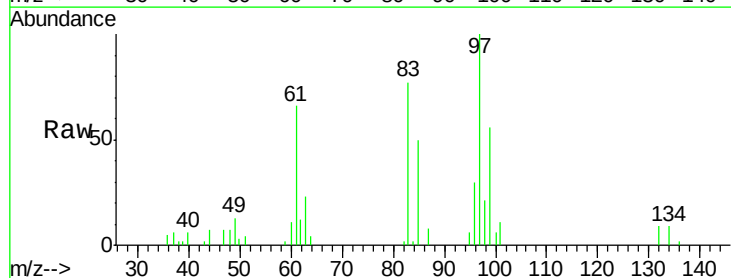
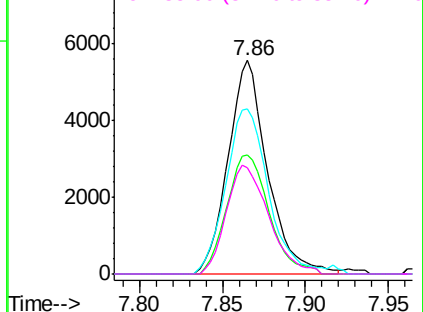
Abundance

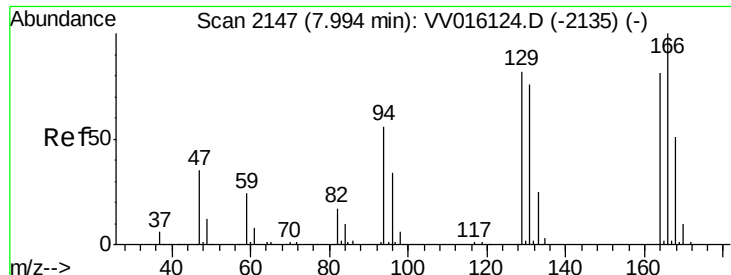
Ion 96.95 (96.65 to 97.65): VV016130.D (-2013) (-)

Ion 99.05 (98.75 to 99.75): VV016130.D (-2013) (-)

Ion 82.95 (82.65 to 83.65): VV016130.D (-2013) (-)

Ion 85.00 (84.70 to 85.70): VV016130.D (-2013) (-)





#49

Tetrachloroethene

Concen: 1.510 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV016130.D

Acq: 20 May 2020 14:43

Instrument :

MSVOA_V

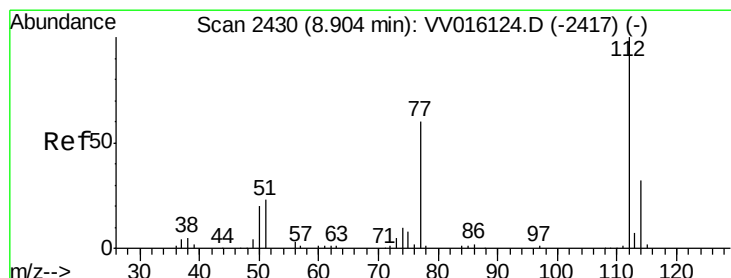
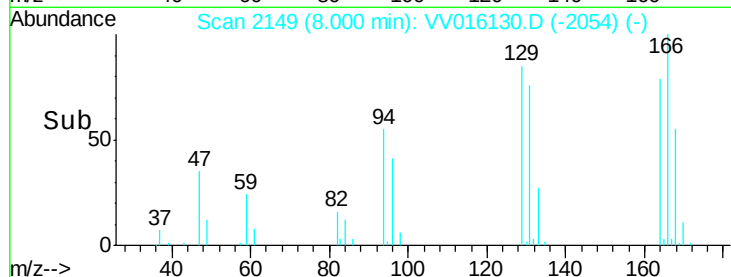
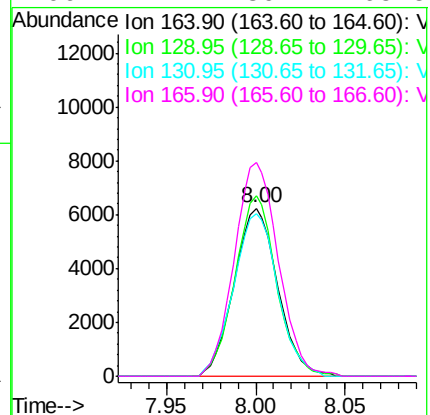
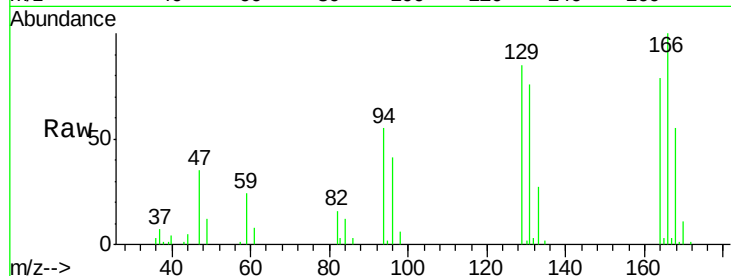
ClientSampled :

F9B01

Tot Ion	164	Resp:	10621
Ion	Ratio	Lower	Upper
164	100		
129	107.7	69.7	129.4
131	96.4	66.8	124.2
166	127.1	89.1	165.5

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#53

Chlorobenzene

Concen: 6.168 ug/L

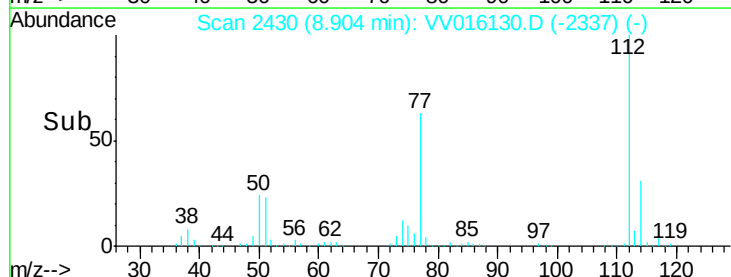
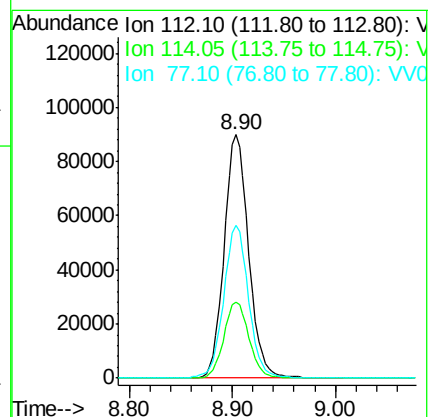
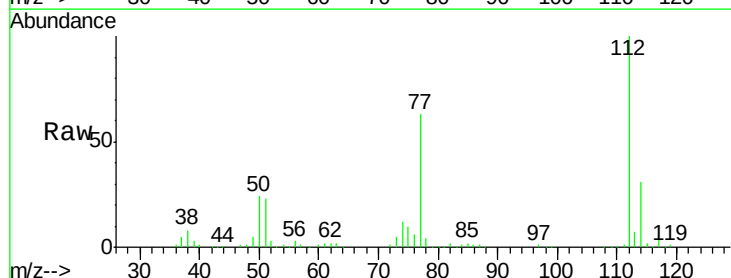
RT: 8.90 min Scan# 2430

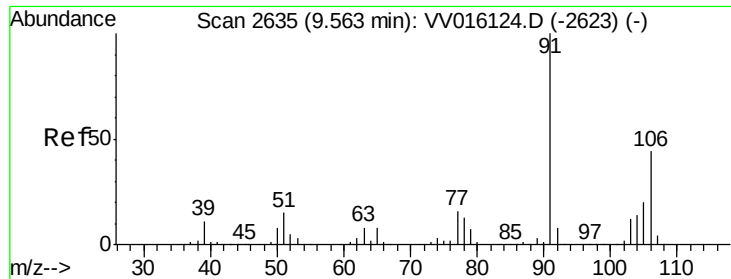
Delta R.T. -0.00 min

Lab File: VV016130.D

Acq: 20 May 2020 14:43

Tgt Ion	112	Resp:	148477
Ion	Ratio	Lower	Upper
112	100		
114	31.4	21.6	40.0
77	62.5	48.6	73.0





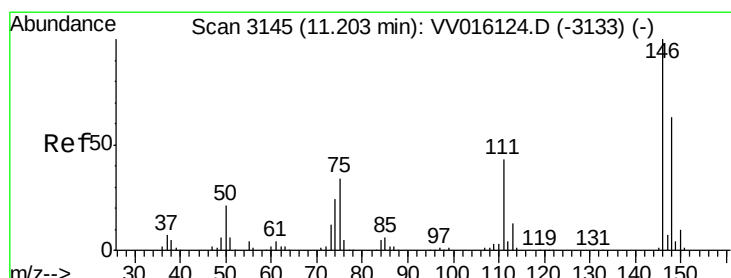
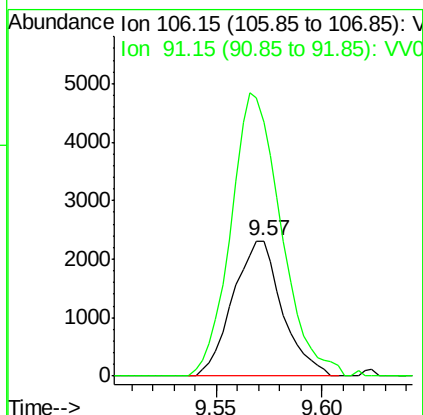
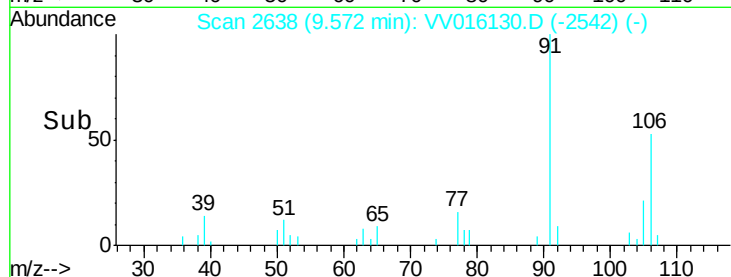
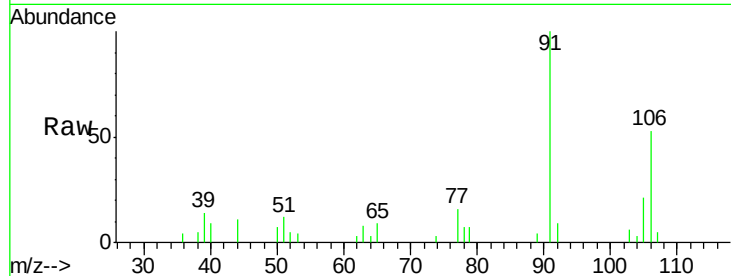
#56
o-xylene
Concen: 0.249 ug/L
RT: 9.57 min Scan# 2638
Delta R.T. 0.01 min
Lab File: VV016130.D
Acq: 20 May 2020 14:43

Instrument :
MSVOA_V
ClientSampled :
F9B01

Tot Ion:106 Resp: 3749
Ion Ratio Lower Upper
106 100
91 188.2 159.7 296.5

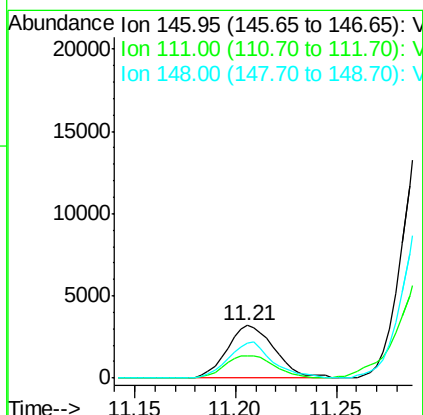
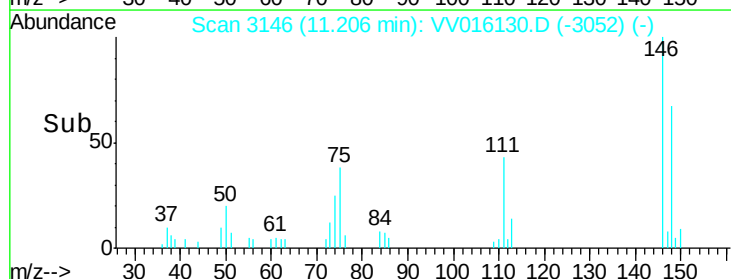
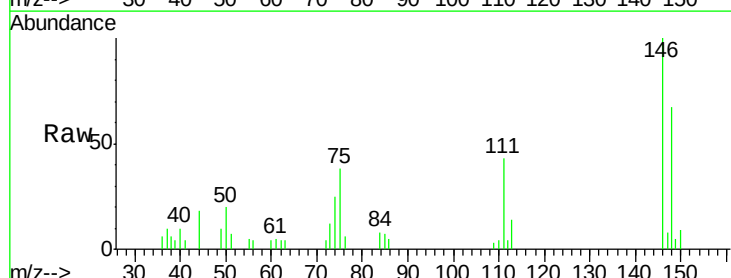
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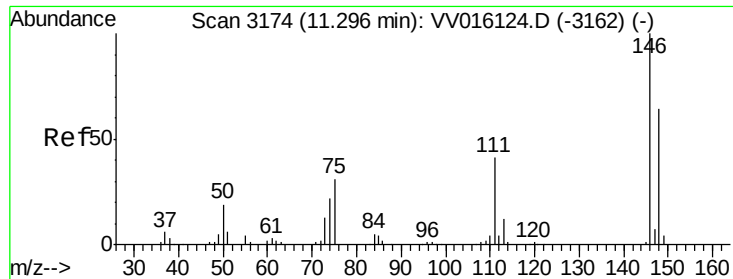
apatel
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#63
1,3-Dichlorobenzene
Concen: 0.280 ug/L
RT: 11.21 min Scan# 3146
Delta R.T. 0.00 min
Lab File: VV016130.D
Acq: 20 May 2020 14:43

Tgt Ion:146 Resp: 5275
Ion Ratio Lower Upper
146 100
111 42.5 28.7 53.3
148 67.0 44.0 81.8





#64

1,4-Dichlorobenzene

Concen: 1.549 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV016130.D

Acq: 20 May 2020 14:43

Instrument :

MSVOA_V

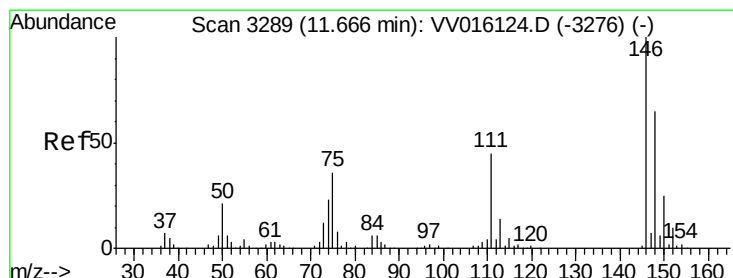
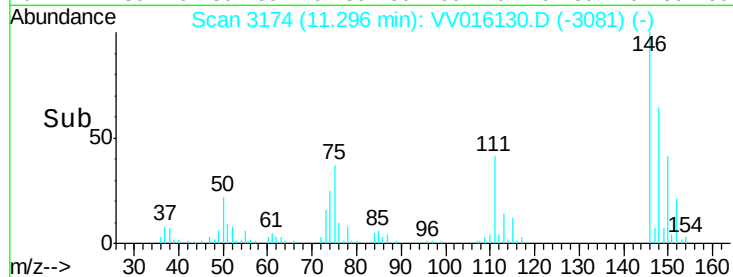
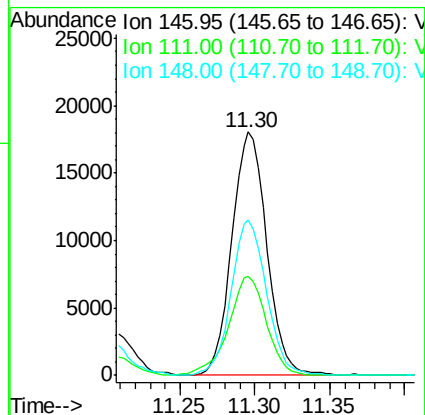
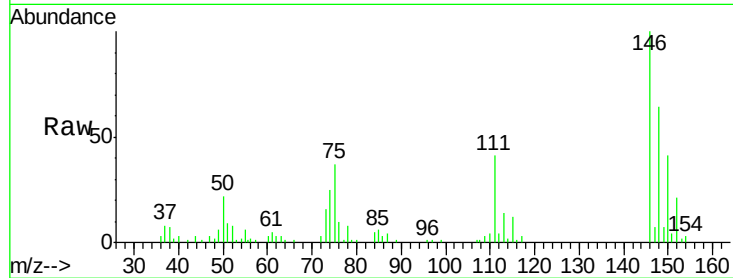
ClientSampled :

F9B01

Tot Ion:	146	Resp:	29341
Ion Ratio	Lower	Upper	
146	100		
111	40.9	28.9	53.7
148	63.9	44.6	82.8

Manual Integrations
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apatel
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#66

1,2-Dichlorobenzene

Concen: 6.280 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV016130.D

Acq: 20 May 2020 14:43

Tgt Ion:	146	Resp:	107179
Ion Ratio	Lower	Upper	
146	100		
111	45.8	37.0	55.4
148	64.3	49.8	74.6

