

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014952.D
 Acq On : 16 Mar 2020 17:43
 Operator : SY/MD
 Sample : L1890-17
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DH4

Manual Integrations
 APPROVED

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Quant Time: Mar 18 04:24:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 18 03:17:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	374081	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	381089	50.00	ug/L	0.02
60) 1,4-Dichlorobenzene-d4	11.27	152	217422	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	106372	42.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.36%
7) Chloroethane-d5	1.58	69	80226	43.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.68%
11) 1,1-Dichloroethene-d2	2.12	63	130172	34.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.08%
21) 2-Butanone-d5	3.93	46	120874	79.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.55%
24) Chloroform-d	4.38	84	223318	43.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.02%
26) 1,2-Dichloroethane-d4	5.07	65	152671	46.41	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.82%
32) Benzene-d6	5.09	84	468868	44.66	ug/L	0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.32%
36) 1,2-Dichloropropane-d6	6.10	67	135564	43.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.72%
41) Toluene-d8	7.34	98	458513	44.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.32%
43) trans-1,3-Dichloropropene-	7.64	79	68285	41.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.16%
47) 2-Hexanone-d5	8.12	63	122046	86.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.49%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	193766	42.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.68%
64) 1,2-Dichlorobenzene-d4	11.65	152	214103m	44.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.90%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) cis-1,2-Dichloroethene	3.94	96	6827	2.429	ug/L	97
29) Cyclohexane	4.71	56	6671	1.695	ug/L #	90
33) Benzene	5.12	78	43042106m	4150.711	ug/L	
34) Trichloroethene	5.95	95	2156	0.775	ug/L	88
42) Toluene	7.41	91	12353	1.059	ug/L	96
46) Tetrachloroethene	8.00	164	1347	0.518	ug/L	82
51) Chlorobenzene	8.90	112	35913490m	4469.451	ug/L	
62) 1,3-Dichlorobenzene	11.20	146	717413	100.129	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	14513349	2010.884	ug/L	90
65) 1,2-Dichlorobenzene	11.67	146	7663995	1070.831	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	271666	54.258	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	21372	4.312	ug/L	97

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

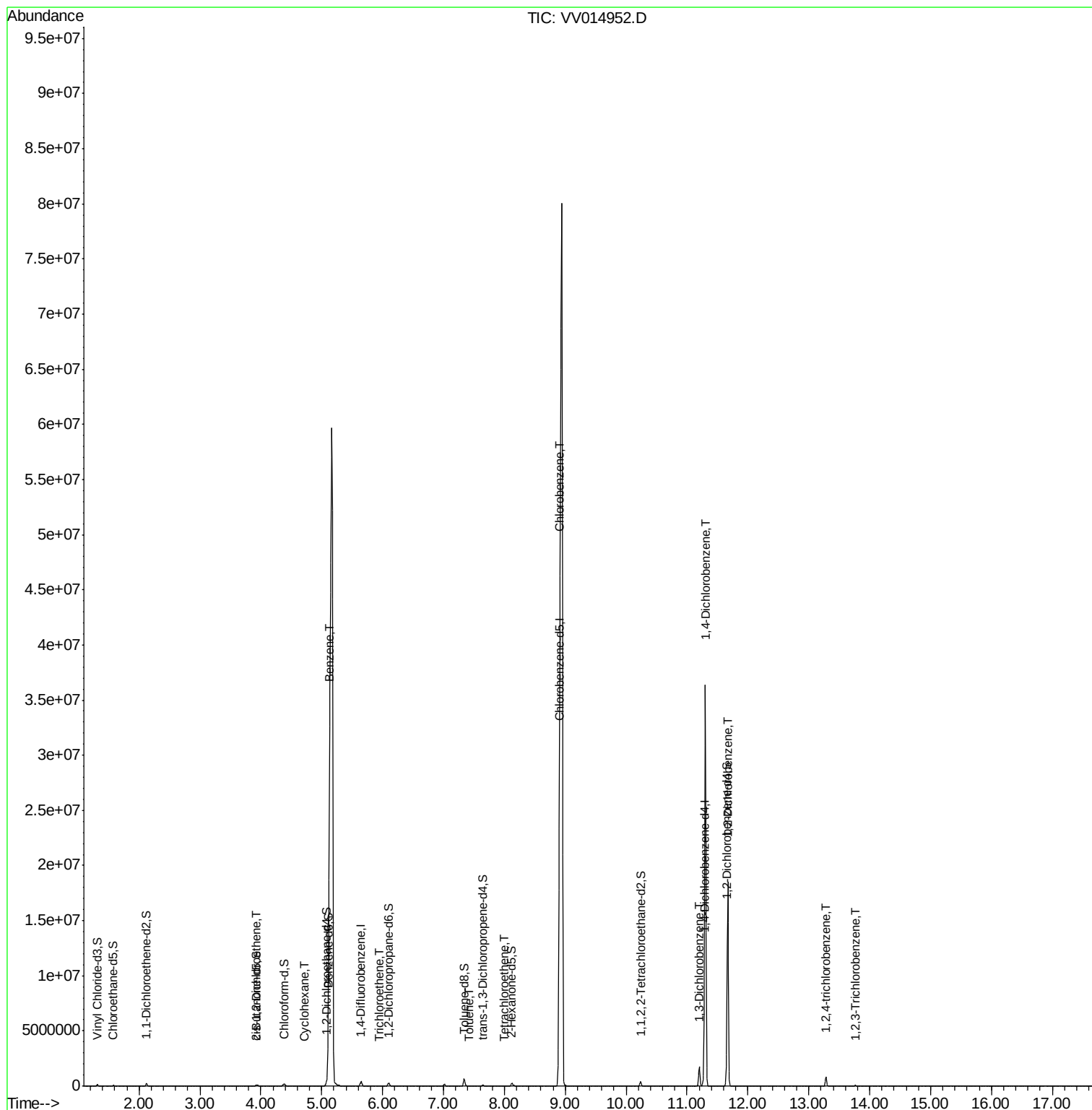
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
Data File : VV014952.D
Acq On : 16 Mar 2020 17:43
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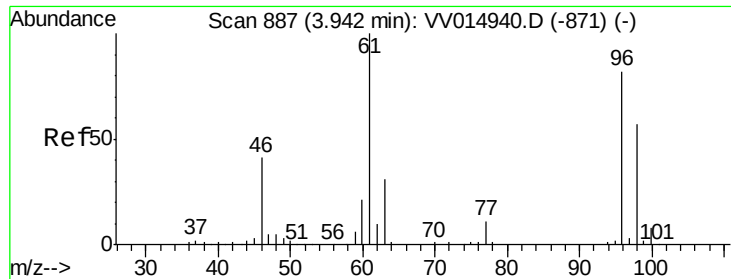
Instrument :
MSVOA_V
ClientSampleId :
C0DH4

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Quant Time: Mar 18 04:24:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 18 03:17:46 2020
Response via : Initial Calibration





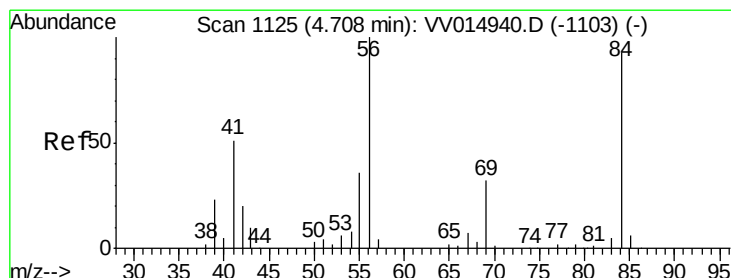
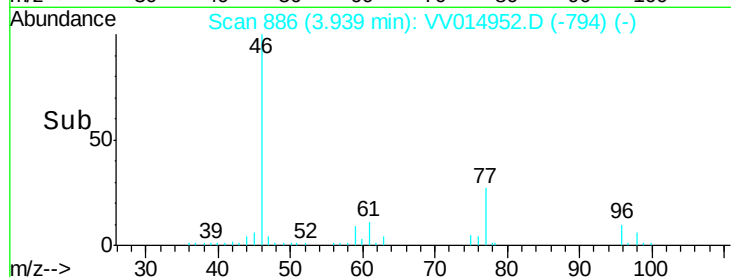
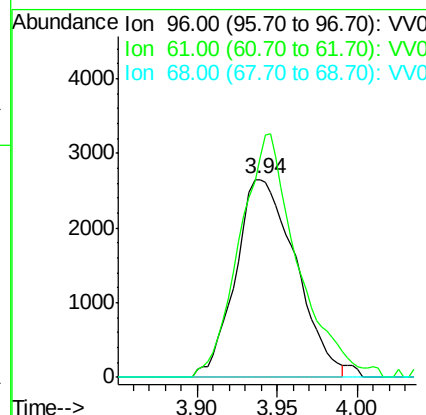
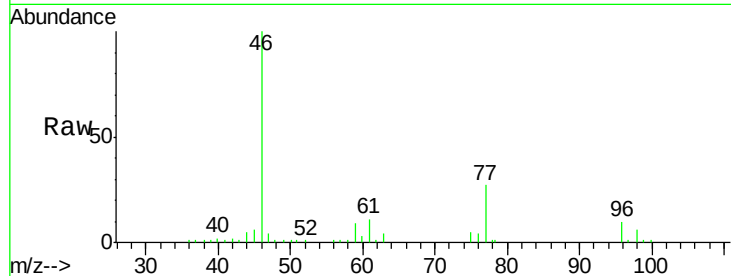
#20
 cis-1,2-Dichloroethene
 Concen: 2.429 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV014952.D
 Acq: 16 Mar 2020 17:43

Instrument :
 MSVOA_V
 ClientSampled :
 C0DH4

Tot Ion	Ratio	Lower	Upper
96	100		
61	111.5	80.2	149.0
68	0.0	0.0	0.0

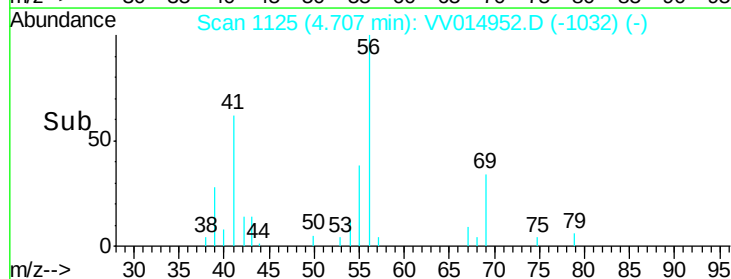
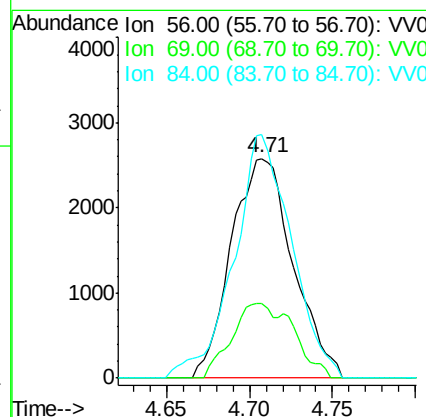
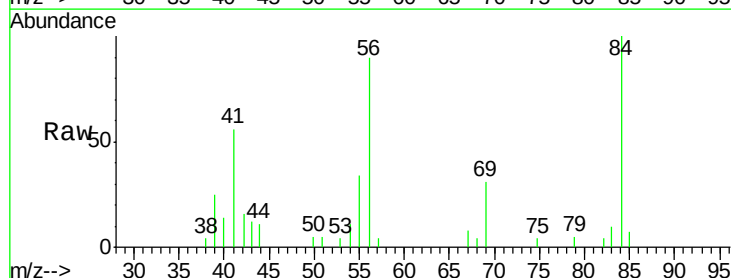
Manual Integrations
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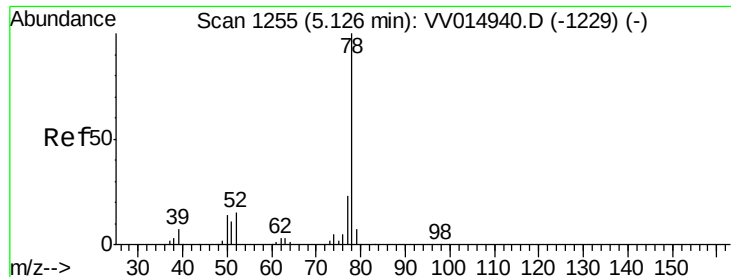
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#29
 Cyclohexane
 Concen: 1.695 ug/L
 RT: 4.71 min Scan# 1125
 Delta R.T. -0.00 min
 Lab File: VV014952.D
 Acq: 16 Mar 2020 17:43

Tgt Ion	Ratio	Lower	Upper
56	100		
69	22.1	25.2	37.8#
84	103.3	76.4	114.6





#33

Benzene

Concen: 4150.711 ug/L m

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV014952.D

Acq: 16 Mar 2020 17:43

Instrument :

MSVOA_V

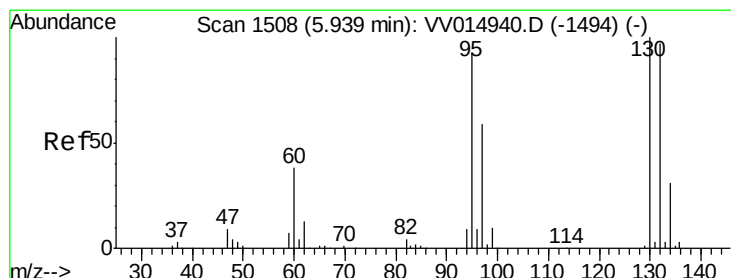
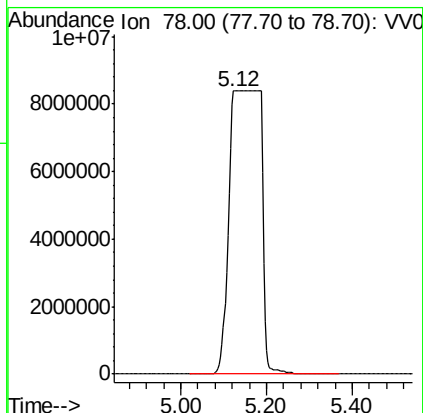
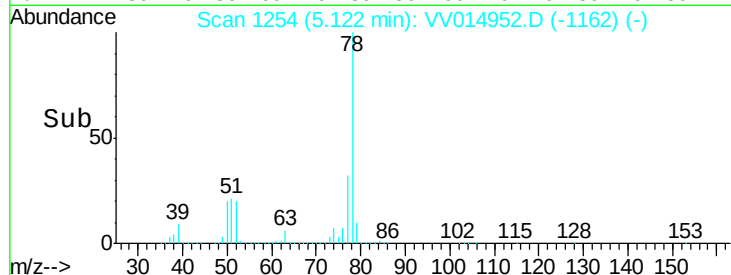
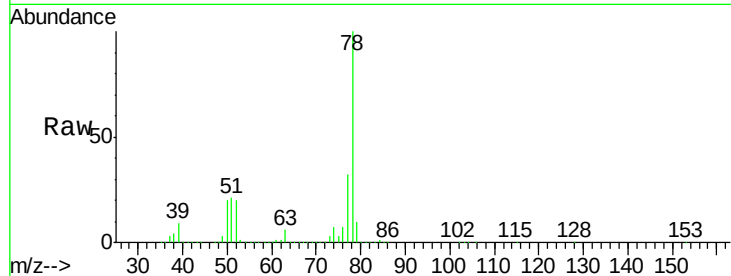
ClientSampleId :

C0DH4

Tgt Ion: 78 Resp:43042106

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#34

Trichloroethene

Concen: 0.775 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. 0.01 min

Lab File: VV014952.D

Acq: 16 Mar 2020 17:43

Tgt Ion: 95 Resp: 2156

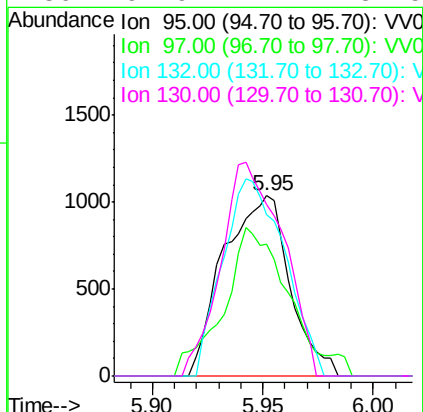
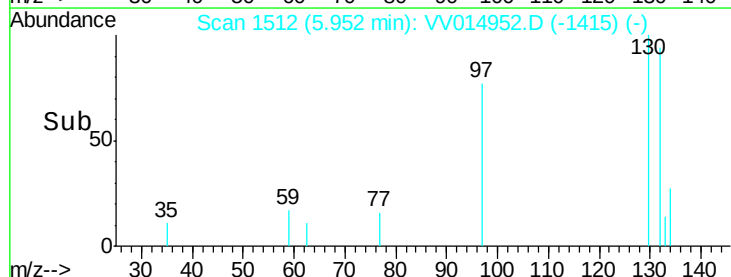
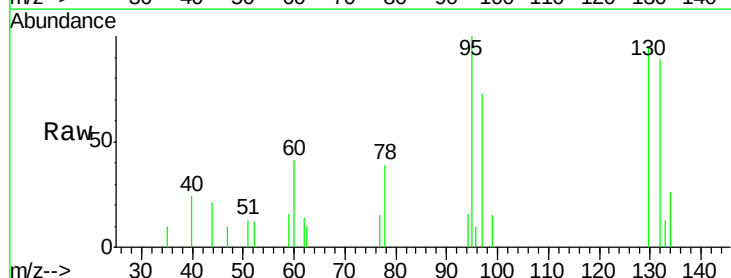
Ion	Ratio	Lower	Upper
95	100		
97	72.8	44.4	82.4
132	89.5	72.4	134.4
130	94.9	74.1	137.5

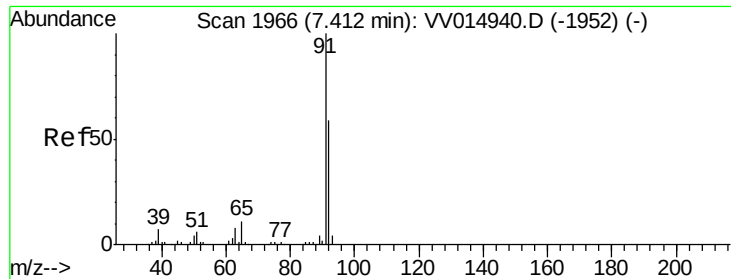
Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#42

Toluene

Concen: 1.059 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.00 min

Lab File: VV014952.D

Acq: 16 Mar 2020 17:43

Instrument :

MSVOA_V

ClientSampleId :

C0DH4

Tot Ion: 91 Resp: 12353

Ion Ratio Lower Upper

91 100

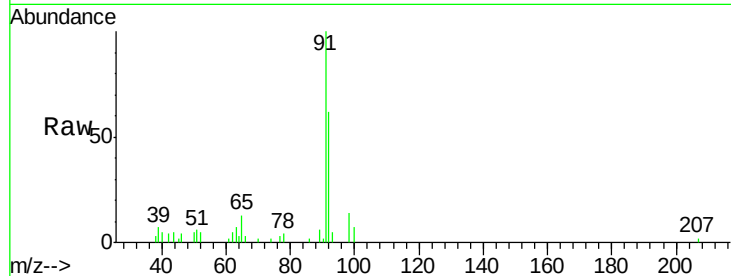
92 62.4 41.4 76.8

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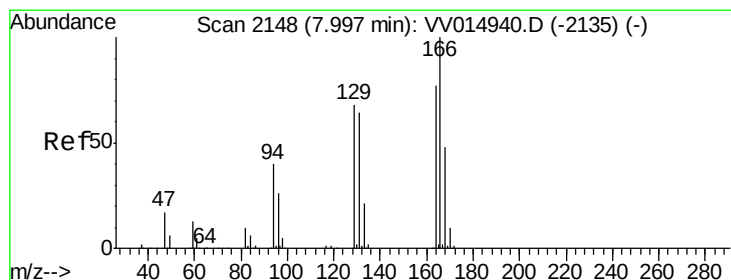
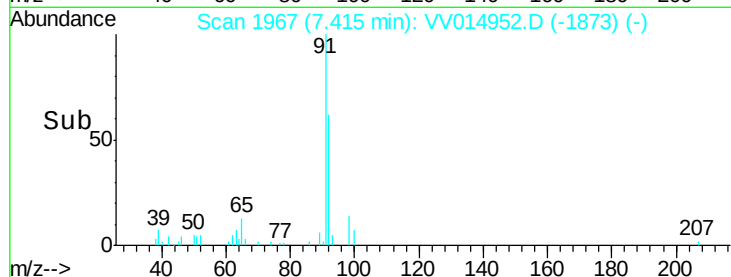
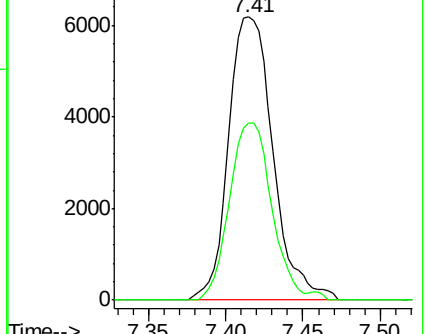
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Abundance Ion 91.00 (90.70 to 91.70): VV014940.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV014940.D (-1952) (-)



#46

Tetrachloroethene

Concen: 0.518 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV014952.D

Acq: 16 Mar 2020 17:43

Tgt Ion: 164 Resp: 1347

Ion Ratio Lower Upper

164 100

129 91.0 62.0 115.2

131 105.8 59.5 110.5

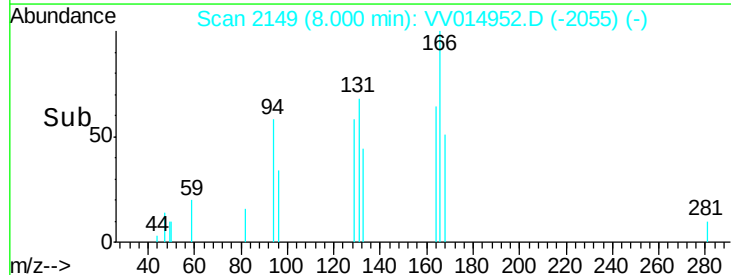
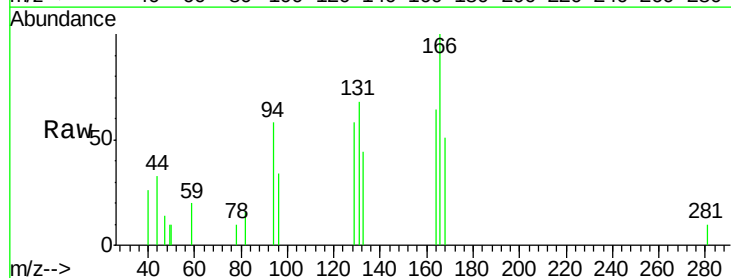
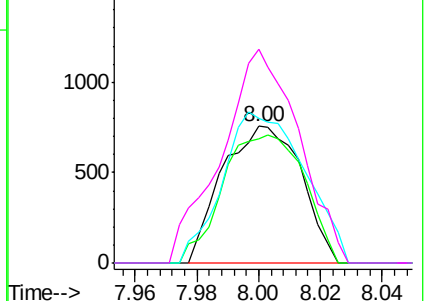
166 156.3 88.5 164.4

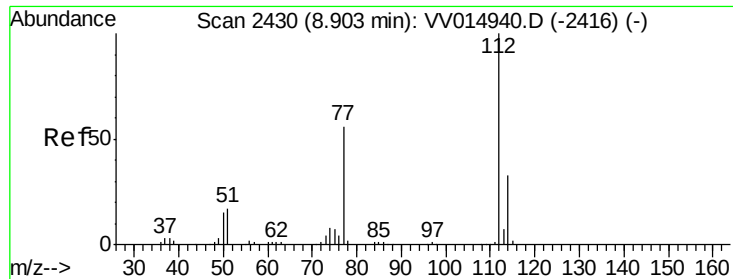
Abundance Ion 164.00 (163.70 to 164.70): VV014940.D (-2135) (-)

Ion 129.00 (128.70 to 129.70): VV014940.D (-2135) (-)

Ion 131.00 (130.70 to 131.70): VV014940.D (-2135) (-)

Ion 166.00 (165.70 to 166.70): VV014940.D (-2135) (-)





#51

Chlorobenzene

Concen: 4469.451 ug/L m

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV014952.D

Acq: 16 Mar 2020 17:43

Instrument :

MSVOA_V

ClientSampleId :

C0DH4

Tot Ion:112 Resp:35913490

Ion Ratio Lower Upper

112 100

114 39.9 22.8 42.4

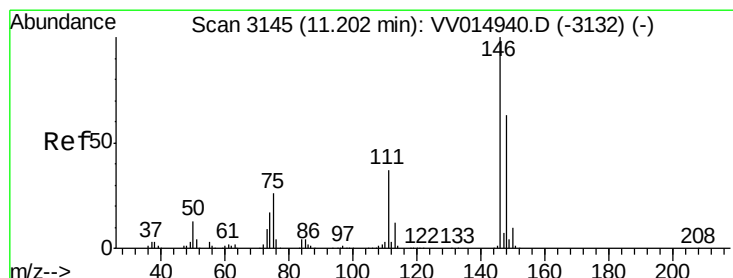
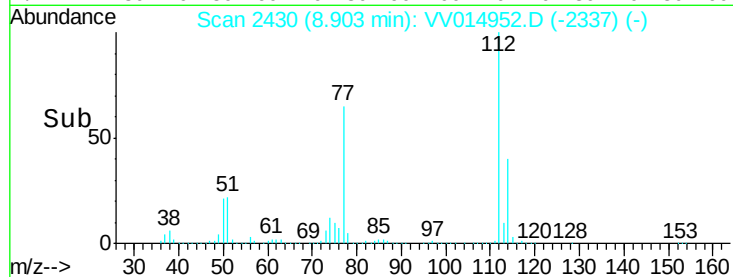
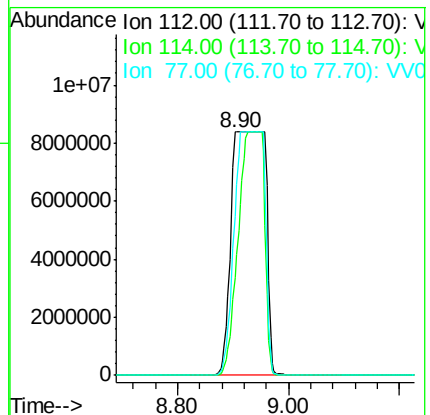
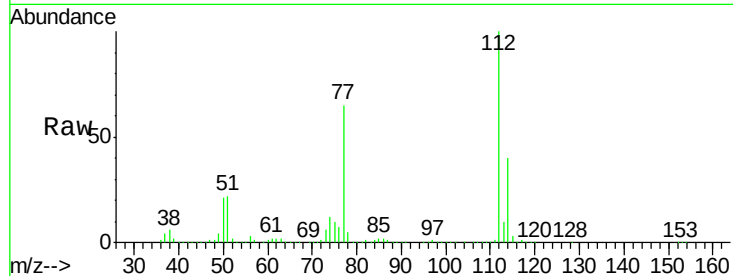
77 65.2 44.5 66.7

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#62

1,3-Dichlorobenzene

Concen: 100.129 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV014952.D

Acq: 16 Mar 2020 17:43

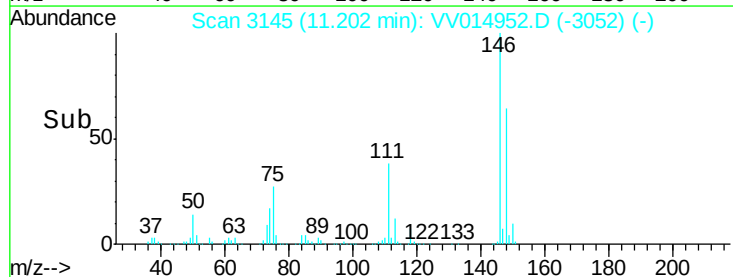
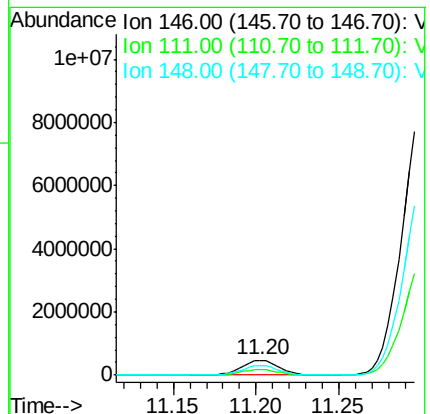
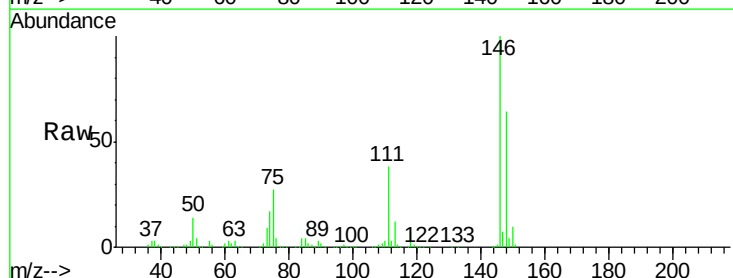
Tgt Ion:146 Resp: 717413

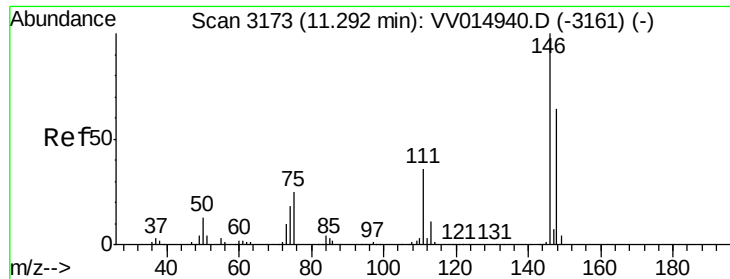
Ion Ratio Lower Upper

146 100

111 37.7 26.5 49.3

148 63.6 45.4 84.2





#63

1,4-Dichlorobenzene

Concen: 2010.884 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.01 min

Lab File: VV014952.D

Acq: 16 Mar 2020 17:43

Instrument :

MSVOA_V

ClientSampled :

C0DH4

Tot Ion:146 Resp:14513349

Ion Ratio Lower Upper

146 100

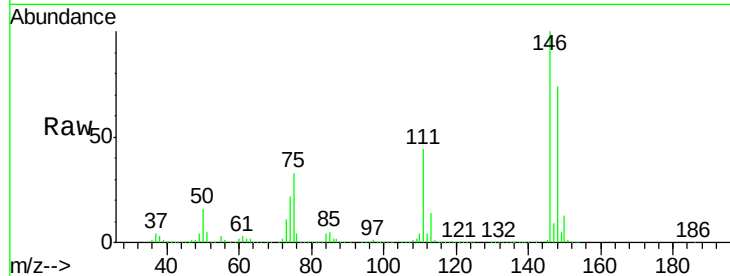
111 44.0 26.0 48.2

148 73.5 46.1 85.5

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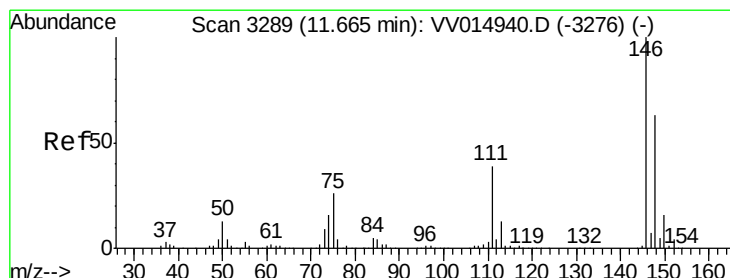
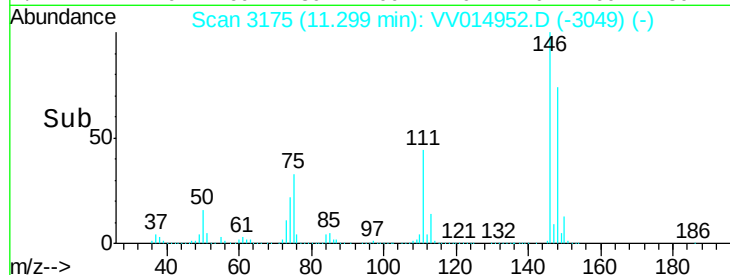
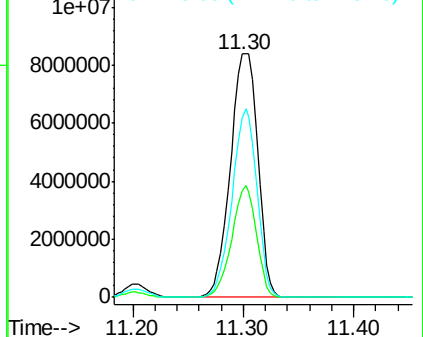
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 1070.831 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV014952.D

Acq: 16 Mar 2020 17:43

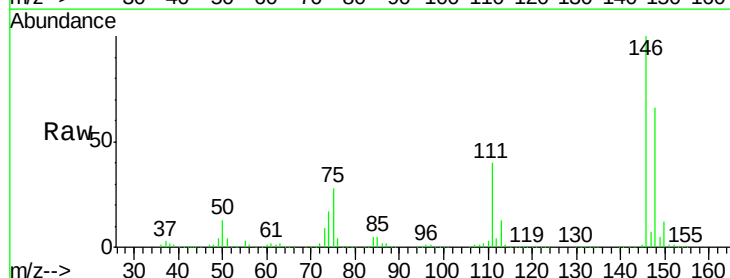
Tgt Ion:146 Resp: 7663995

Ion Ratio Lower Upper

146 100

111 40.3 31.6 47.4

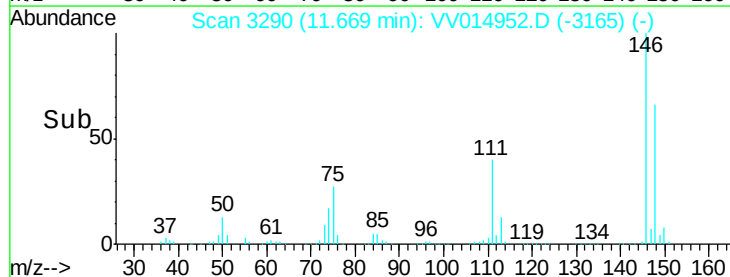
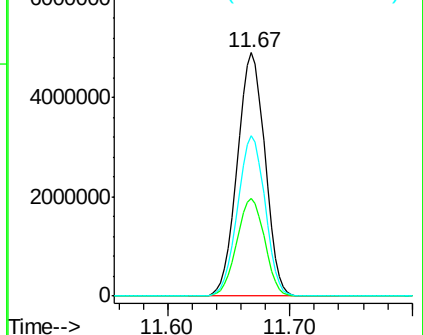
148 66.1 52.2 78.4

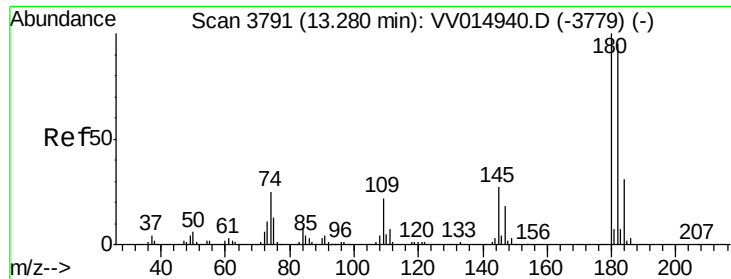


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68

1,2,4-trichlorobenzene

Concen: 54.258 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.00 min

Lab File: VV014952.D

Acq: 16 Mar 2020 17:43

Instrument :

MSVOA_V

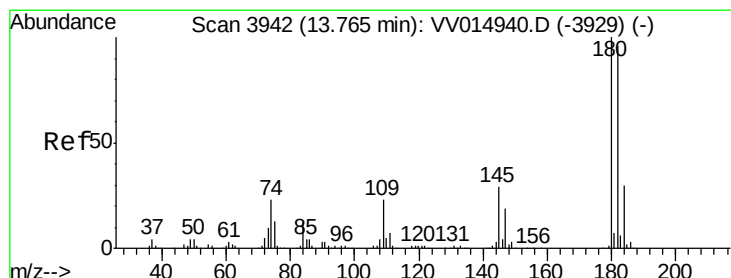
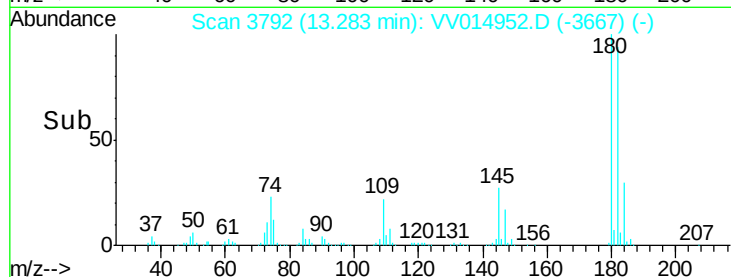
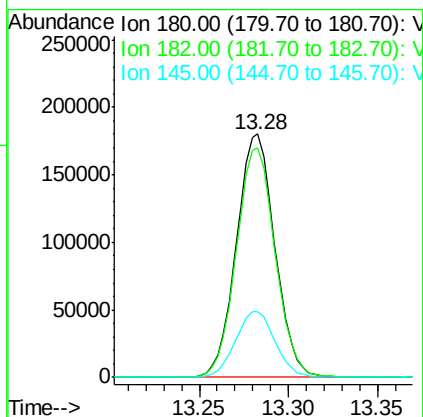
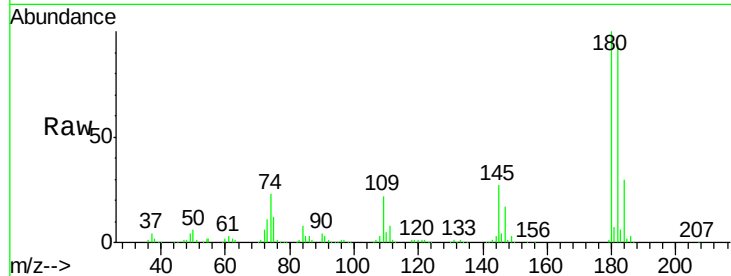
ClientSampleId :

C0DH4

Tot Ion:	180	Resp:	271666
Ion Ratio	Lower	Upper	
180	100		
182	95.5	76.3	114.5
145	28.0	23.1	34.7

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#70

1,2,3-Trichlorobenzene

Concen: 4.312 ug/L

RT: 13.76 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV014952.D

Acq: 16 Mar 2020 17:43

Tgt Ion:	180	Resp:	21372
Ion Ratio	Lower	Upper	
180	100		
182	91.8	76.2	114.4
145	30.8	24.1	36.1

