

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033019\
 Data File : VV010018.D
 Acq On : 30 Mar 2019 14:32
 Operator : SY/MD
 Sample : K2166-01
 Misc : 6.02G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF103

Quant Time: Mar 30 23:34:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 30 23:31:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	146560	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	147630	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61477	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40289	13.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	54.20%
7) Chloroethane-d5	1.55	69	48625	15.14	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.56%
10) 1,1-Dichloroethene-d2	2.12	63	130421	16.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.12%
20) 2-Butanone-d5	3.93	46	26407	47.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.30%
24) Chloroform-d	4.40	84	97122	26.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.04%
26) 1,2-Dichloroethane-d4	5.08	65	58763	26.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.60%
29) Benzene-d6	5.09	84	192604	24.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.36%
33) 1,2-Dichloropropane-d6	6.11	67	58944	25.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.96%
37) Toluene-d8	7.36	98	163770	22.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.28%
38) trans-1,3-Dichloropropene-	7.66	79	17780	19.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.64%
39) 2-Hexanone-d5	8.13	63	19481	46.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.02%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	51514	22.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.76%
61) 1,2-Dichlorobenzene-d4	11.68	152	63171	26.99	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.96%

Target Compounds

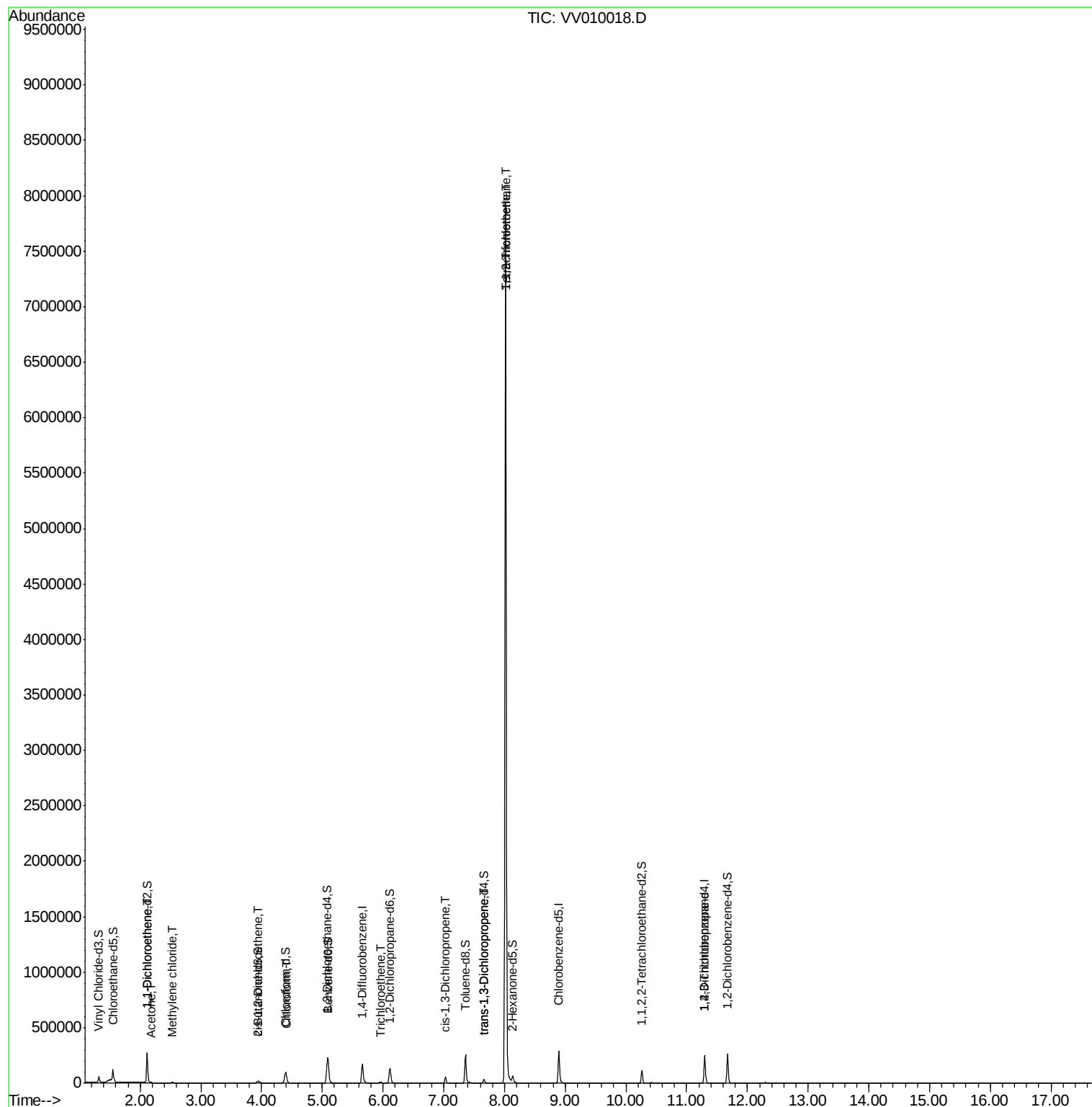
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.13	96	3995	1.114	ug/L #	1
13) Acetone	2.19	43	691	0.824	ug/L	83
16) Methylene chloride	2.53	84	4423	1.833	ug/L	94
22) cis-1,2-Dichloroethene	3.95	96	1422	0.671	ug/L	71
25) Chloroform	4.41	83	2175	0.560	ug/L #	30
35) Trichloroethene	5.96	95	3181	1.488	ug/L	95
42) cis-1,3-Dichloropropene	7.03	75	1612	0.546	ug/L #	63
45) trans-1,3-Dichloropropene	7.67	75	1113	0.460	ug/L	88
46) 1,1,2-Trichloroethane	8.02	97	14911	8.900	ug/L #	1
47) Tetrachloroethene	8.02	164	1460770	865.683	ug/L	95
59) 1,2,3-Trichloropropane	11.30	75	9292	5.701	ug/L	92

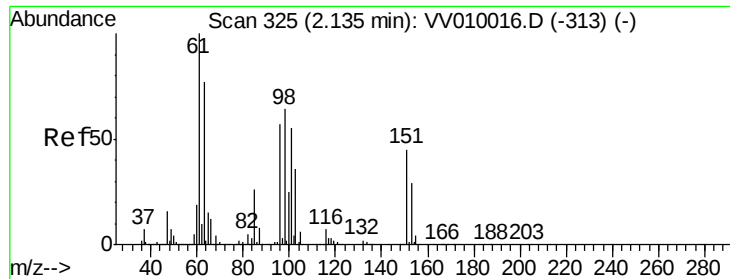
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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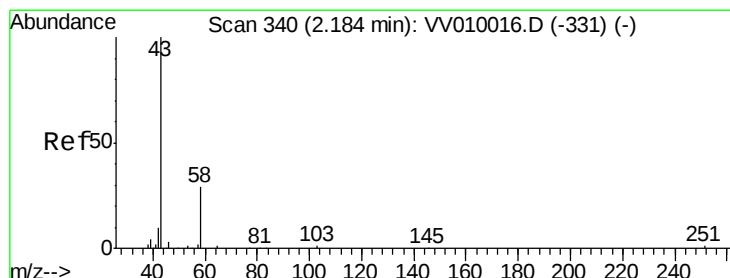
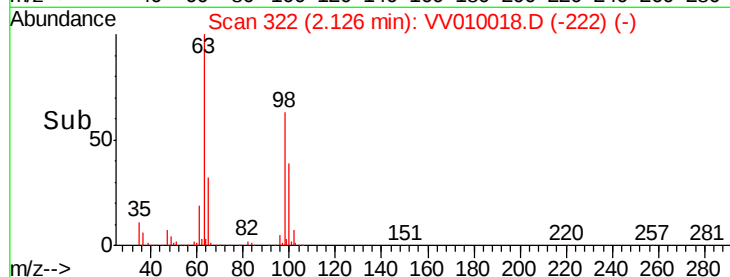
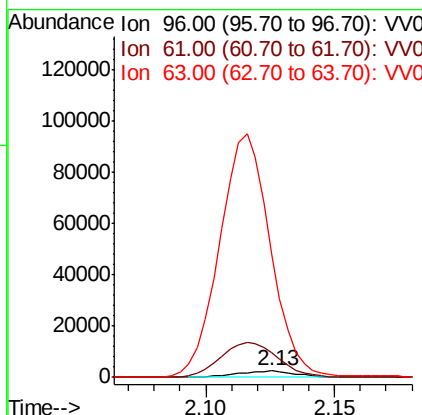
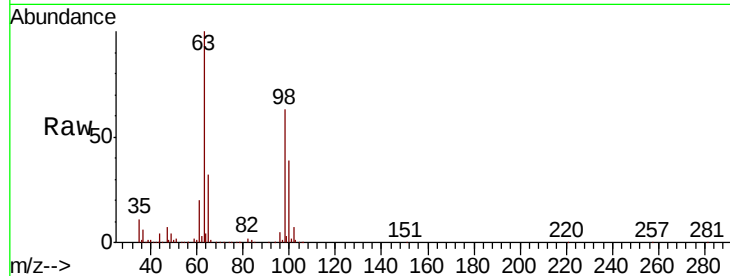




#12
 1,1-Dichloroethene
 Concen: 1.114 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.01 min
 Lab File: VV010018.D
 Acq: 30 Mar 2019 14:32

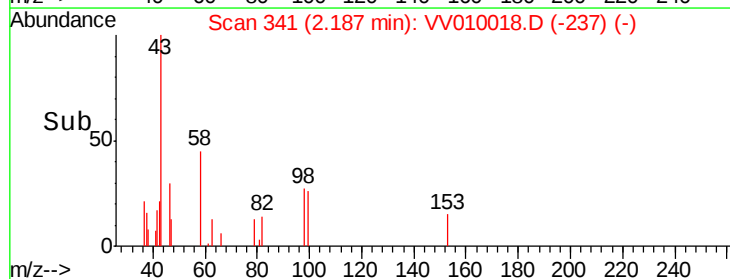
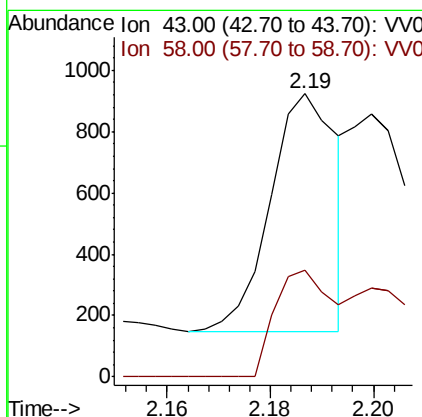
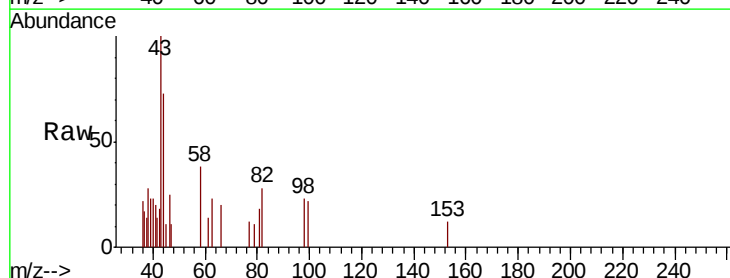
Instrument :
 MSVOA_V
 ClientSampled :
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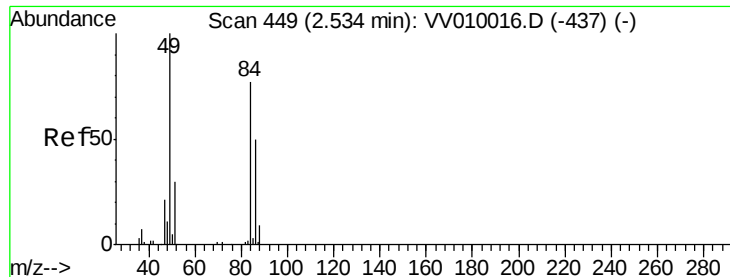
Tgt Ion: 96 Resp: 3995
 Ion Ratio Lower Upper
 96 100
 61 383.8 124.3 230.8#
 63 1949.9 88.2 163.8#



#13
 Acetone
 Concen: 0.824 ug/L
 RT: 2.19 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VV010018.D
 Acq: 30 Mar 2019 14:32

Tgt Ion: 43 Resp: 691
 Ion Ratio Lower Upper
 43 100
 58 38.8 0.0 59.4

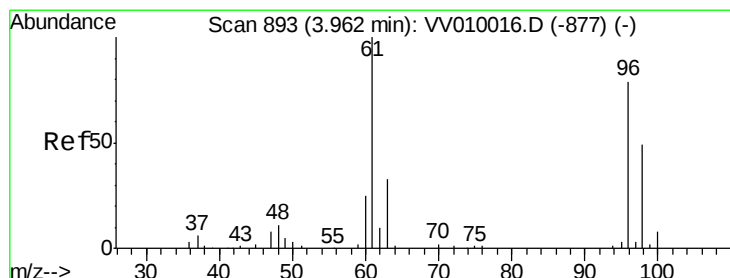
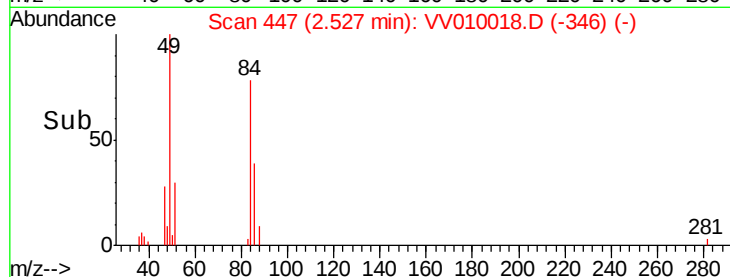
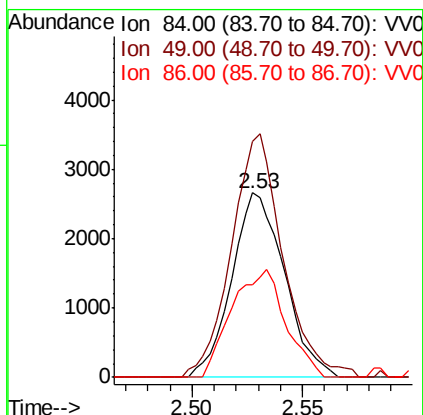
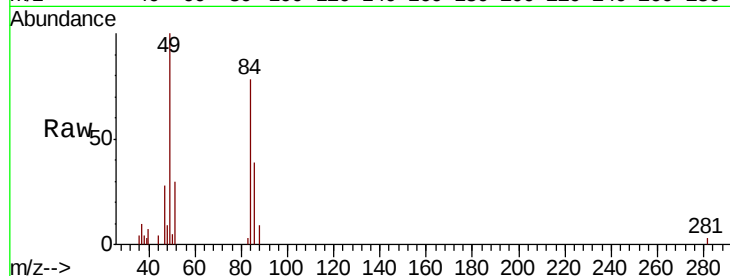




#16
Methylene chloride
Concen: 1.833 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.01 min
Lab File: VV010018.D
Acq: 30 Mar 2019 14:32

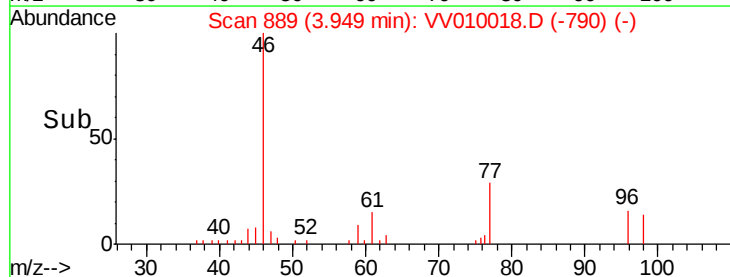
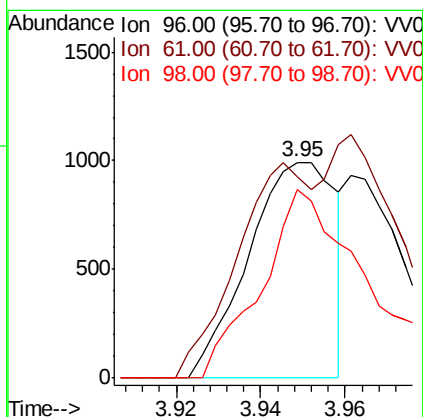
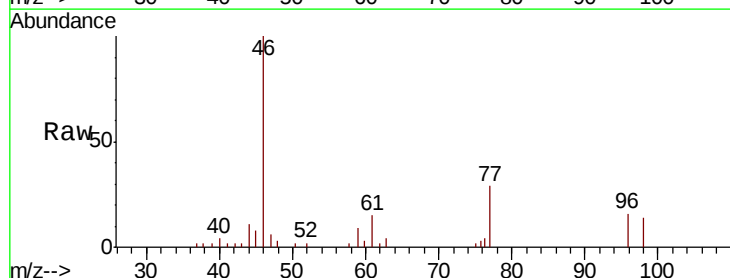
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MSVOA_V
ClientSampleId :
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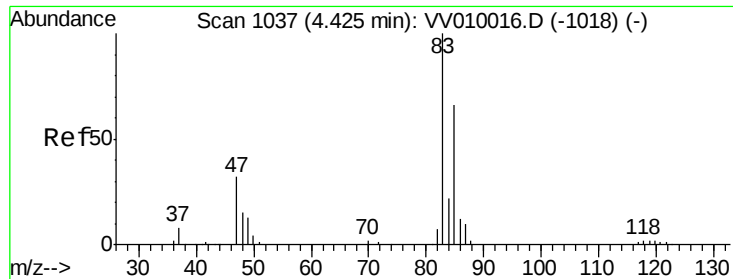
Tgt Ion: 84 Resp: 4423
Ion Ratio Lower Upper
84 100
49 127.6 90.4 167.8
86 50.2 44.0 81.6



#22
cis-1,2-Dichloroethene
Concen: 0.671 ug/L
RT: 3.95 min Scan# 889
Delta R.T. -0.01 min
Lab File: VV010018.D
Acq: 30 Mar 2019 14:32

Tgt Ion: 96 Resp: 1422
Ion Ratio Lower Upper
96 100
61 93.1 91.4 169.8
98 87.2 48.0 89.2

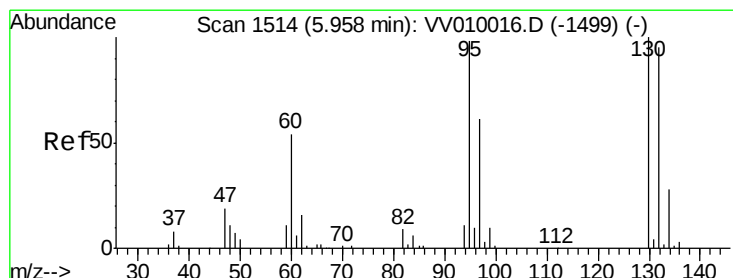
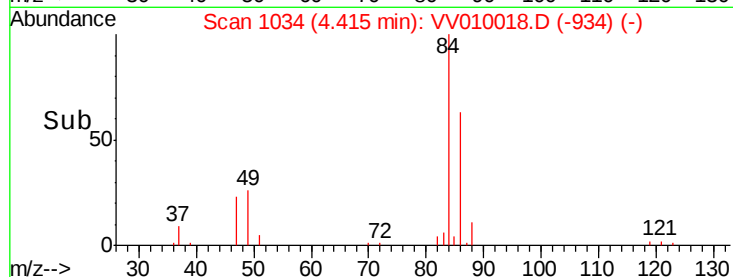
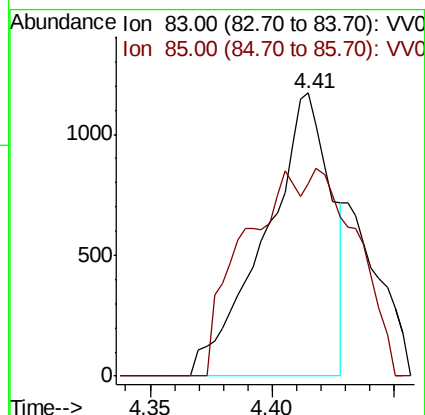
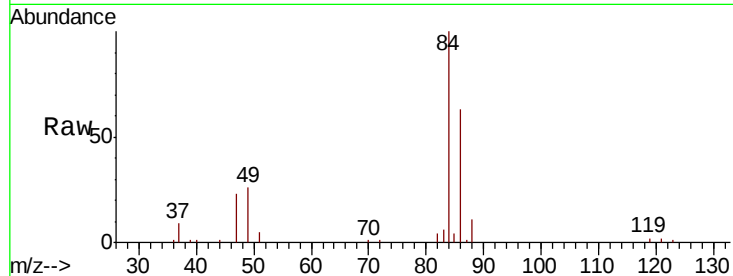




#25
Chloroform
Concen: 0.560 ug/L
RT: 4.41 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VV010018.D
Acq: 30 Mar 2019 14:32

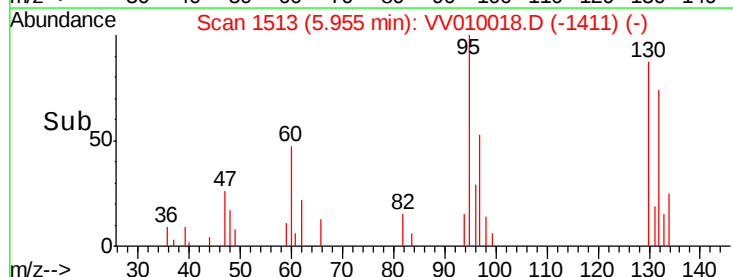
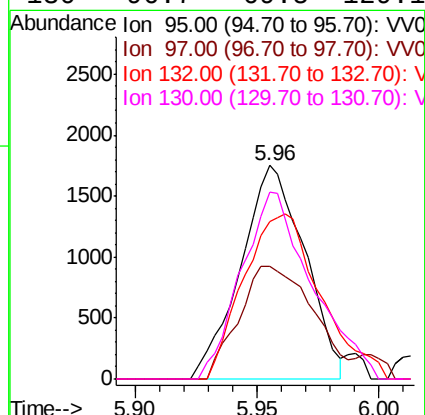
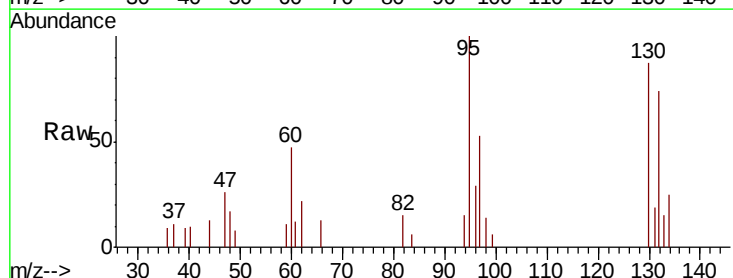
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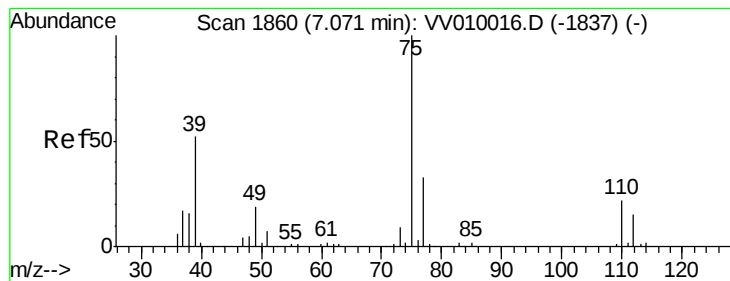
Tgt Ion: 83 Resp: 2175
Ion Ratio Lower Upper
83 100
85 10.3 46.1 85.7#



#35
Trichloroethene
Concen: 1.488 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VV010018.D
Acq: 30 Mar 2019 14:32

Tgt Ion: 95 Resp: 3181
Ion Ratio Lower Upper
95 100
97 61.2 46.3 85.9
132 92.8 69.3 128.7
130 96.7 69.5 129.1



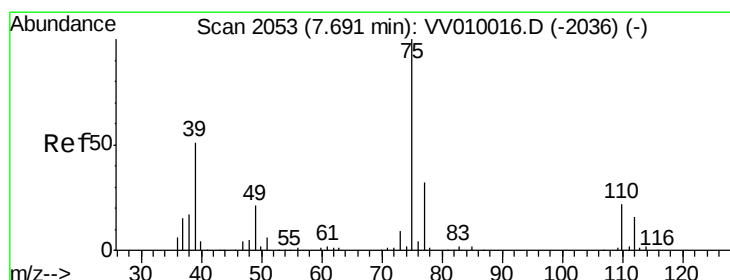
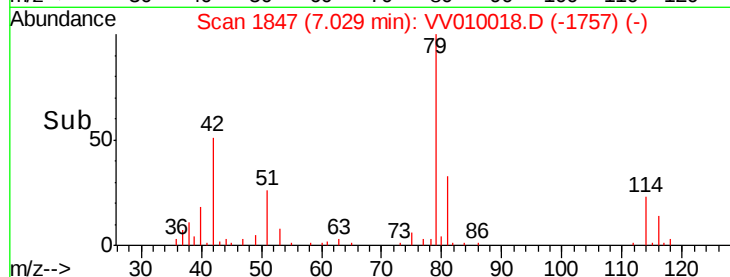
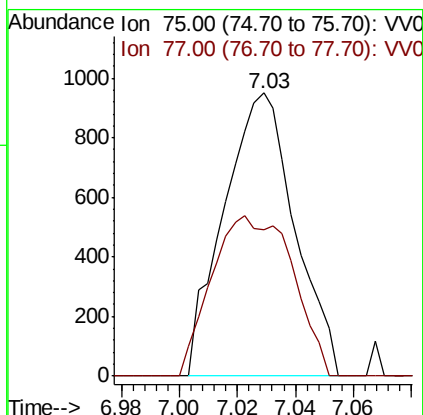
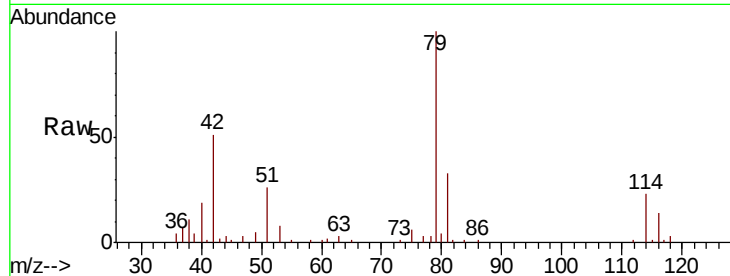


#42

cis-1,3-Dichloropropene
Concen: 0.546 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV010018.D
Acq: 30 Mar 2019 14:32

Instrument :
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ClientSampled :
BF103

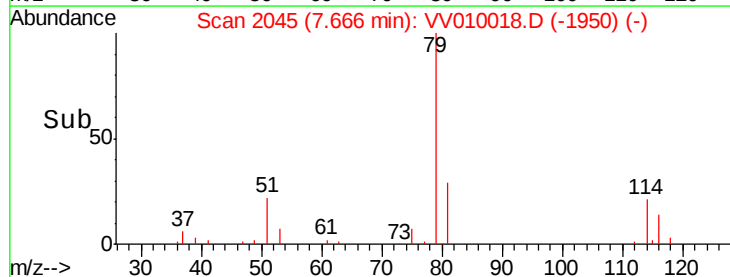
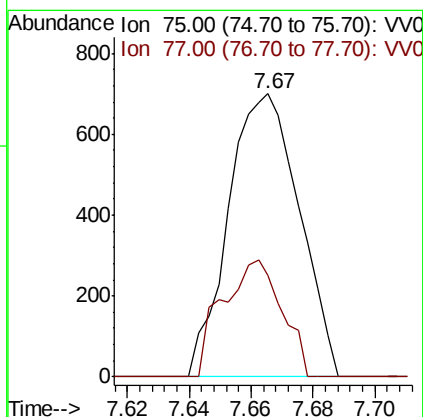
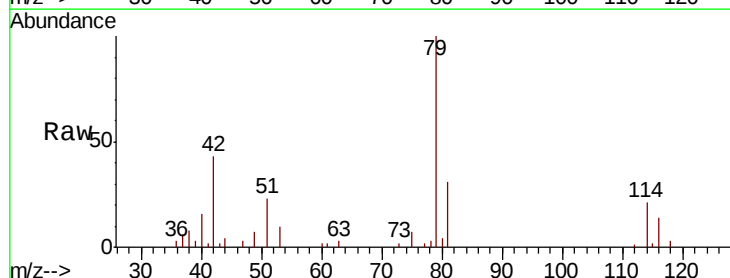
Tgt Ion: 75 Resp: 1612
Ion Ratio Lower Upper
75 100
77 51.7 21.8 40.6#

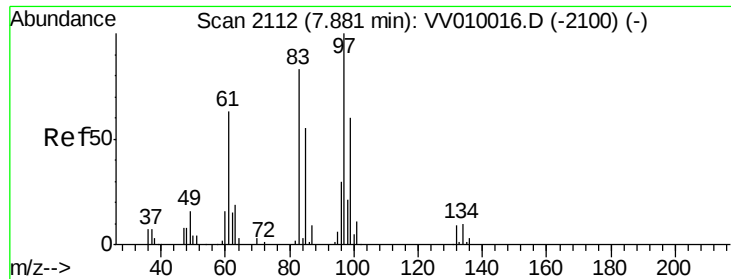


#45

trans-1,3-Dichloropropene
Concen: 0.460 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. -0.03 min
Lab File: VV010018.D
Acq: 30 Mar 2019 14:32

Tgt Ion: 75 Resp: 1113
Ion Ratio Lower Upper
75 100
77 35.9 20.7 38.5

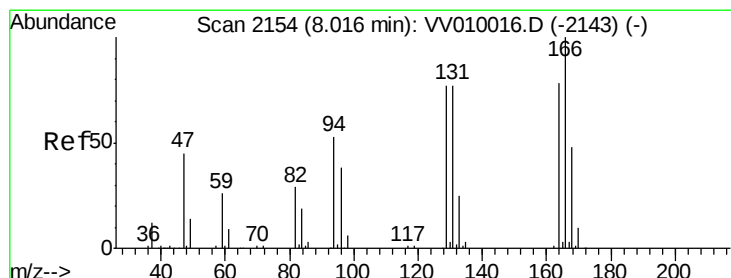
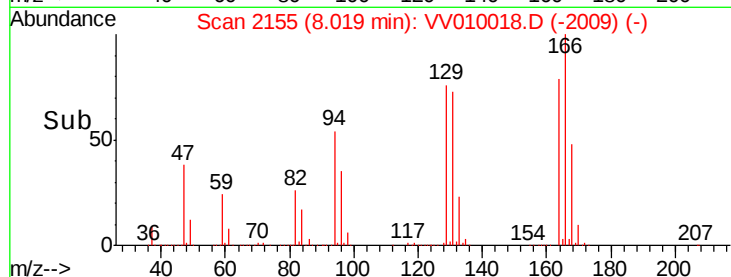
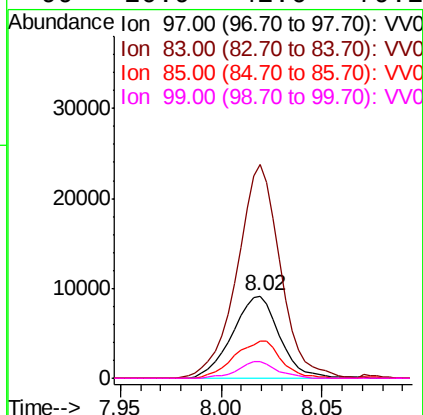
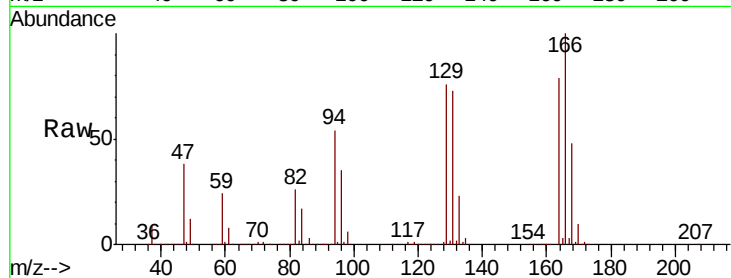




#46
 1,1,2-Trichloroethane
 Concen: 8.900 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.14 min
 Lab File: VV010018.D
 Acq: 30 Mar 2019 14:32

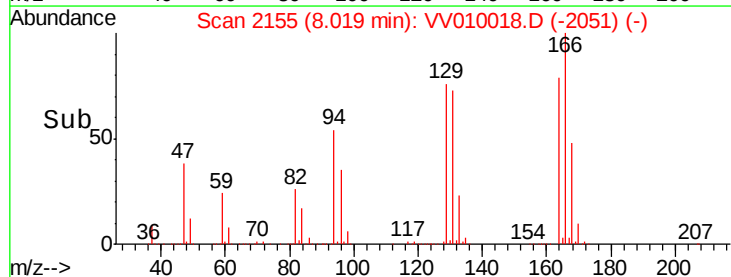
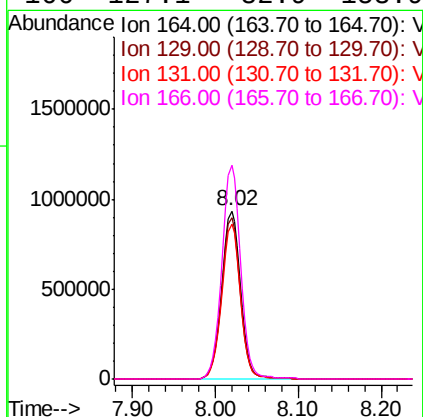
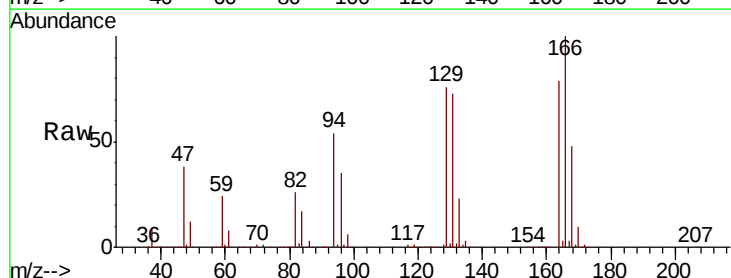
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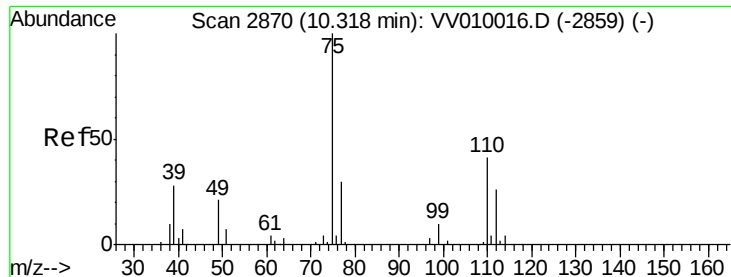
Tgt Ion: 97 Resp: 14911
 Ion Ratio Lower Upper
 97 100
 83 259.7 59.6 110.8#
 85 45.1 39.2 72.8
 99 20.9 42.6 79.2#



#47
 Tetrachloroethene
 Concen: 865.683 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010018.D
 Acq: 30 Mar 2019 14:32

Tgt Ion: 164 Resp: 1460770
 Ion Ratio Lower Upper
 164 100
 129 96.2 64.9 120.5
 131 92.3 62.0 115.2
 166 127.1 82.9 153.9





#59

1,2,3-Trichloropropane

Concen: 5.701 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010018.D

Acq: 30 Mar 2019 14:32

Instrument :

MSVOA_V

ClientSampleId :

BF103

Tgt Ion: 75 Resp: 9292

Ion Ratio Lower Upper

75 100

77 37.2 26.2 39.2

