

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040819\
 Data File : VV010197.D
 Acq On : 09 Apr 2019 01:56
 Operator : SY/MD
 Sample : K2254-11
 Misc : 5.11G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFC31

Quant Time: Apr 09 07:39:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 09 07:35:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	250926	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	190778	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	58910	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	53384	15.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.56%
7) Chloroethane-d5	1.56	69	71619	17.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.64%
10) 1,1-Dichloroethene-d2	2.12	63	109995	12.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	51.92%
20) 2-Butanone-d5	3.94	46	53313	55.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.54%
24) Chloroform-d	4.40	84	128960	20.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.60%
26) 1,2-Dichloroethane-d4	5.08	65	83271	23.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.16%
29) Benzene-d6	5.10	84	254583	25.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.92%
33) 1,2-Dichloropropane-d6	6.12	67	81134	27.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.16%
37) Toluene-d8	7.36	98	209072	21.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.72%
38) trans-1,3-Dichloropropene-	7.66	79	23147	18.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.20%
39) 2-Hexanone-d5	8.13	63	35224	60.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.30%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	68034	23.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.52%
61) 1,2-Dichlorobenzene-d4	11.67	152	47129	20.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.16%

Target Compounds

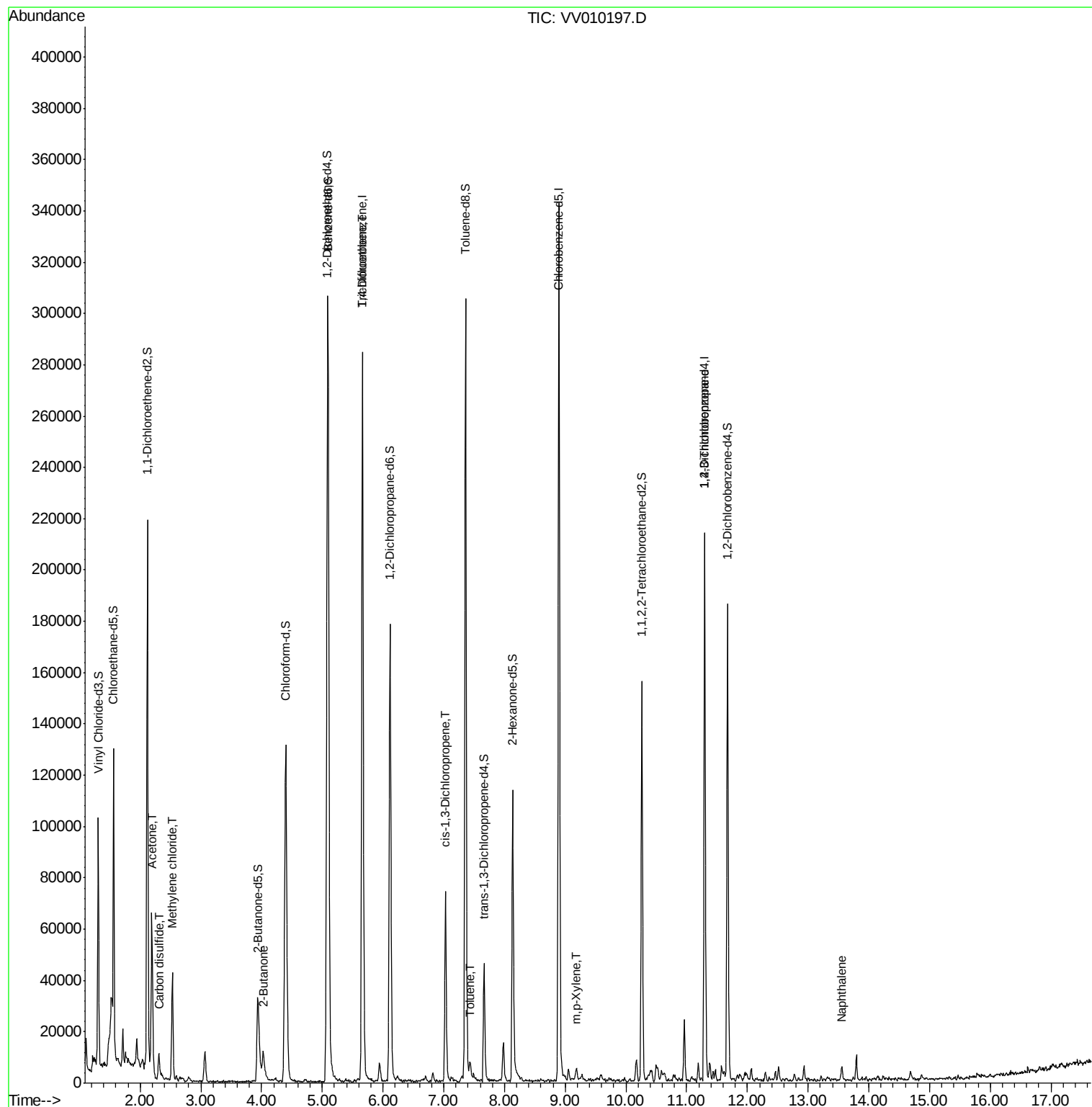
					Ovalue
13) Acetone	2.19	43	70097	74.170	ug/L 97
14) Carbon disulfide	2.31	76	11282	1.585	ug/L 99
16) Methylene chloride	2.53	84	17661	4.006	ug/L 91
21) 2-Butanone	4.03	43	16504	15.946	ug/L 83
35) Trichloroethene	5.67	95	6514	2.426	ug/L # 3
42) cis-1,3-Dichloropropene	7.03	75	2270	0.665	ug/L # 67
44) Toluene	7.43	91	4256	0.406	ug/L 92
54) m,p-Xylene	9.19	106	1643	0.368	ug/L 85
59) 1,2,3-Trichloropropane	11.29	75	7563	3.929	ug/L 94
69) Naphthalene	13.56	128	4915	1.502	ug/L # 86

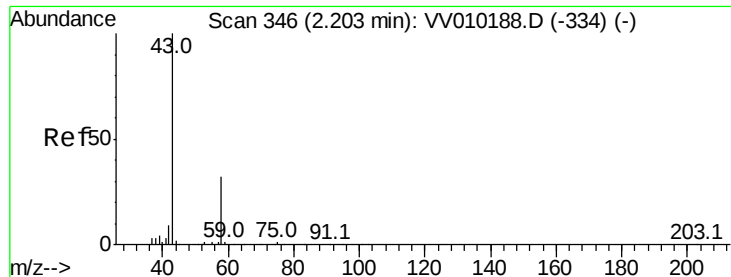
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 74.170 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.01 min

Lab File: VV010197.D

Acq: 09 Apr 2019 01:56

Instrument :

MSVOA_V

ClientSampleId :

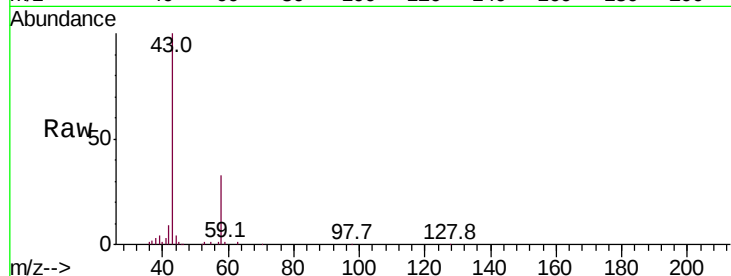
BFC31

Tot Ion: 43 Resp: 70097

Ion Ratio Lower Upper

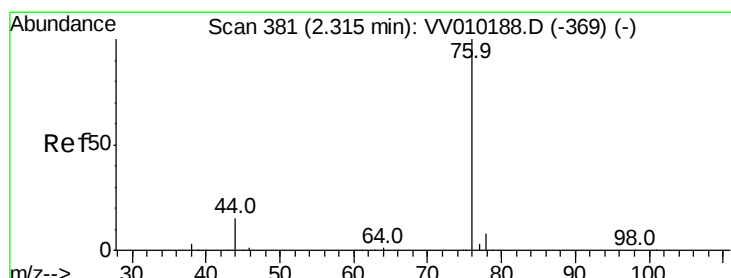
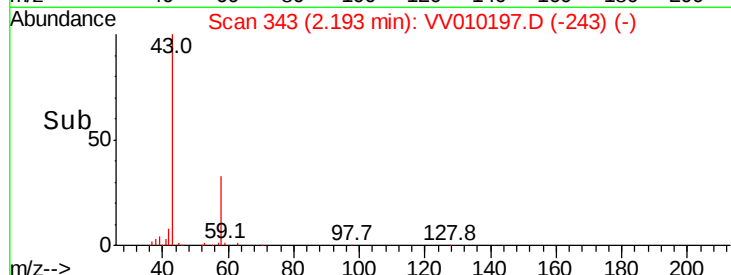
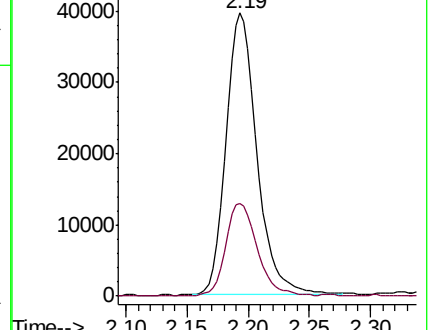
43 100

58 34.0 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV010188.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VV010188.D (-334) (-)



#14

Carbon disulfide

Concen: 1.585 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

Lab File: VV010197.D

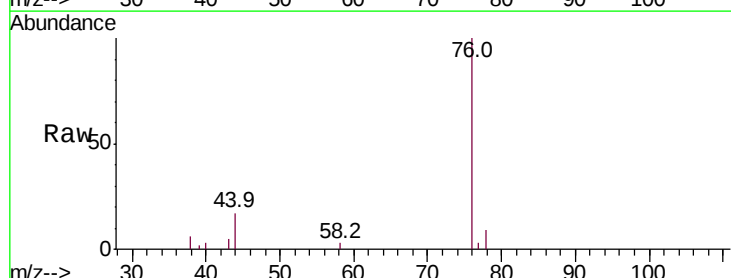
Acq: 09 Apr 2019 01:56

Tgt Ion: 76 Resp: 11282

Ion Ratio Lower Upper

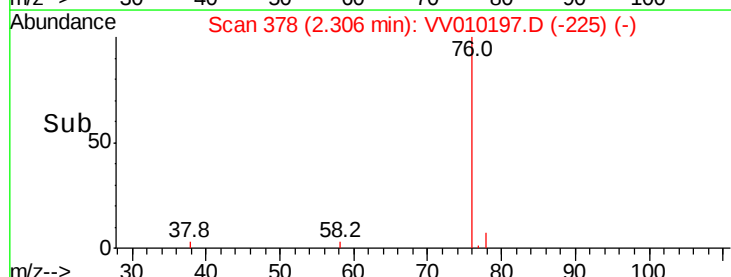
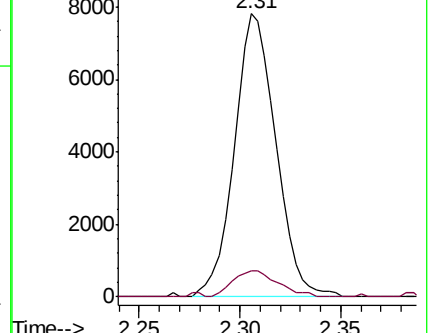
76 100

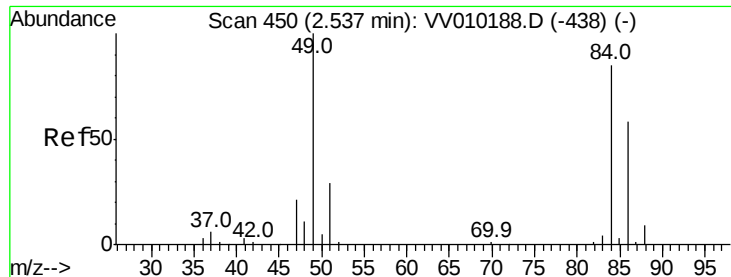
78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV010188.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV010188.D (-369) (-)

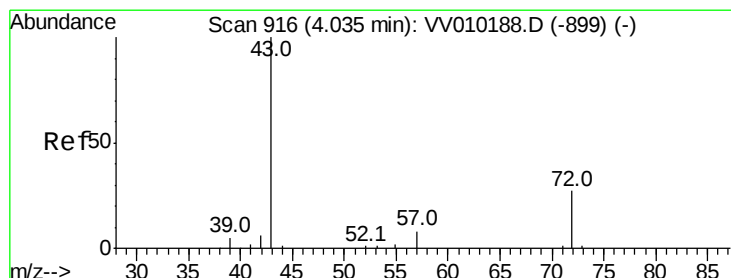
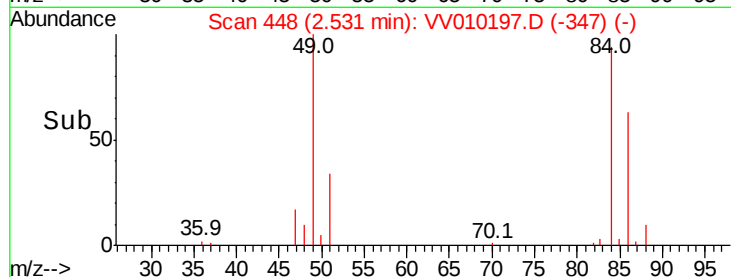
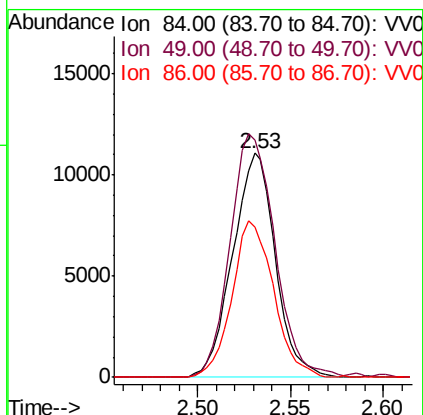
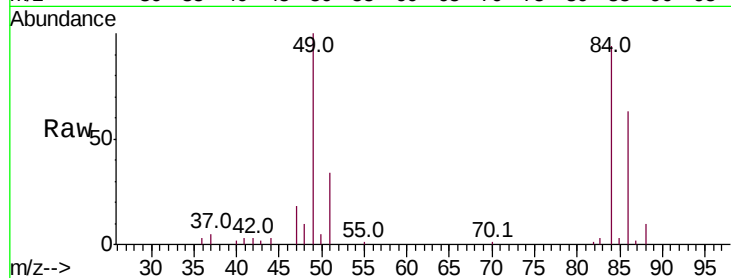




#16
Methvlene chloride
Concen: 4.006 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.01 min
Lab File: VV010197.D
Acq: 09 Apr 2019 01:56

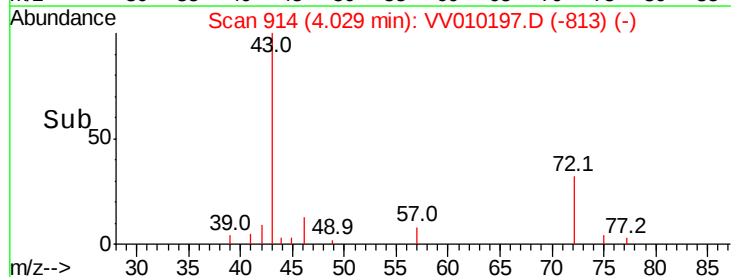
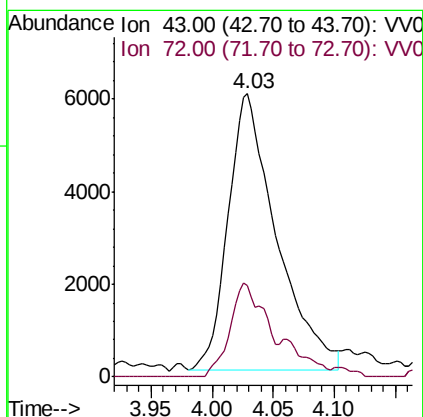
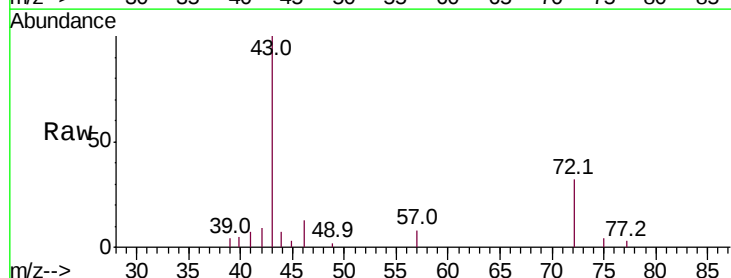
Instrument :
MSVOA_V
ClientSampleId :
BFC31

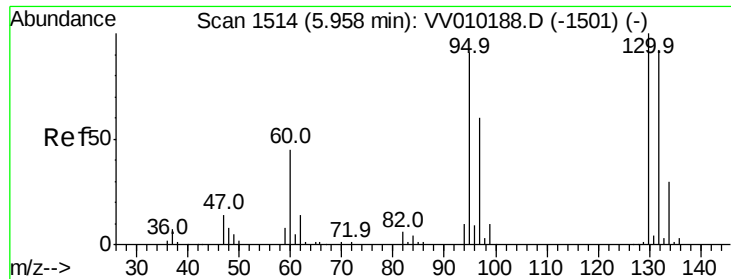
Tot Ion: 84 Resp: 17661
Ion Ratio Lower Upper
84 100
49 106.0 84.3 156.5
86 67.0 45.4 84.2



#21
2-Butanone
Concen: 15.946 ug/L
RT: 4.03 min Scan# 914
Delta R.T. -0.01 min
Lab File: VV010197.D
Acq: 09 Apr 2019 01:56

Tgt Ion: 43 Resp: 16504
Ion Ratio Lower Upper
43 100
72 17.0 12.8 38.4

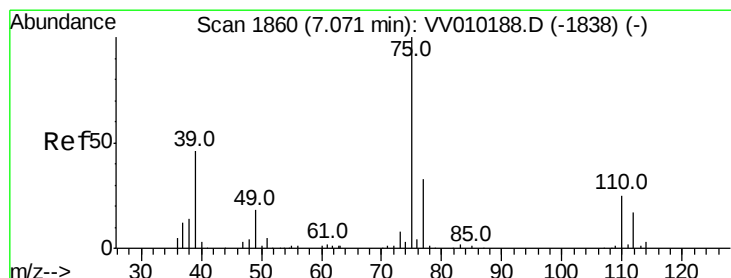
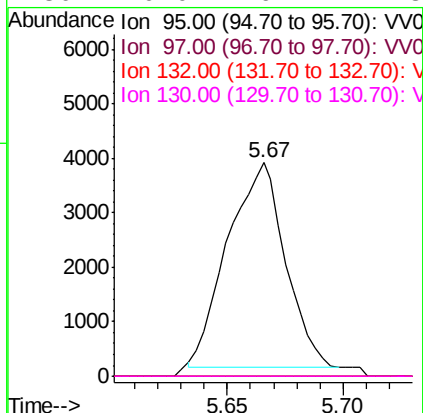
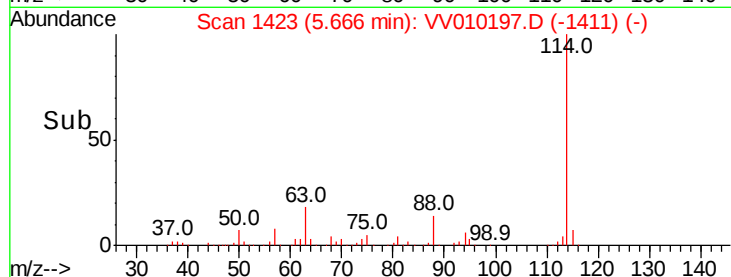
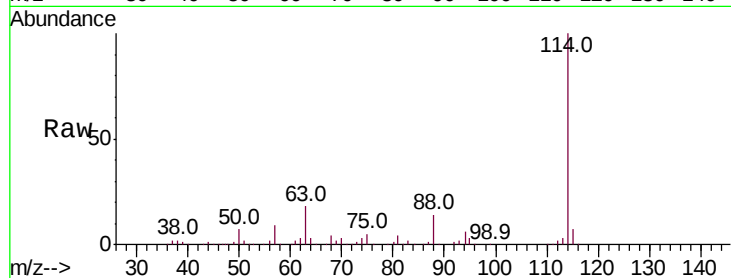




#35
 Trichloroethene
 Concen: 2.426 ug/L
 RT: 5.67 min Scan# 1423
 Delta R.T. -0.29 min
 Lab File: VV010197.D
 Acq: 09 Apr 2019 01:56

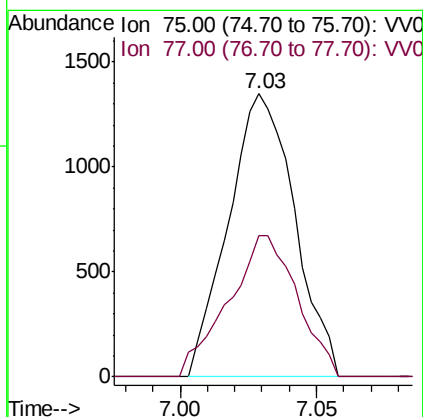
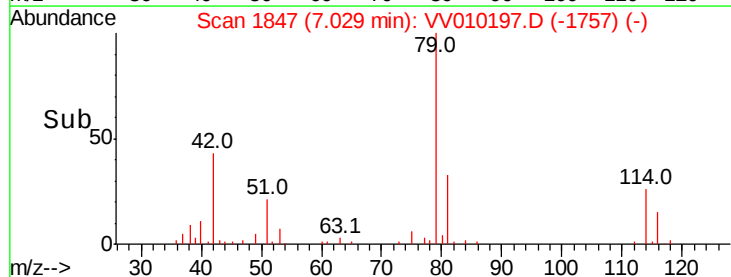
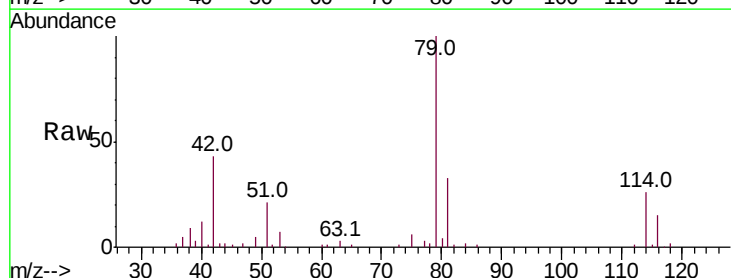
Instrument :
 MSVOA_V
 ClientSampleId :
 BFC31

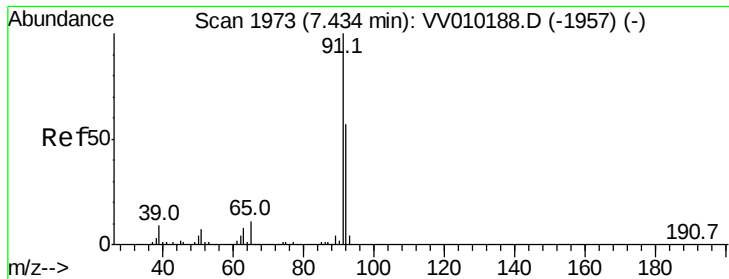
Tot Ion: 95 Resp: 6514
 Ion Ratio Lower Upper
 95 100
 97 0.0 45.8 85.2#
 132 0.0 70.6 131.0#
 130 0.0 76.1 141.3#



#42
 cis-1,3-Dichloropropene
 Concen: 0.665 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV010197.D
 Acq: 09 Apr 2019 01:56

Tgt Ion: 75 Resp: 2270
 Ion Ratio Lower Upper
 75 100
 77 50.1 22.1 41.1#





#44

Toluene

Concen: 0.406 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV010197.D

Acq: 09 Apr 2019 01:56

Instrument :

MSVOA_V

ClientSampled :

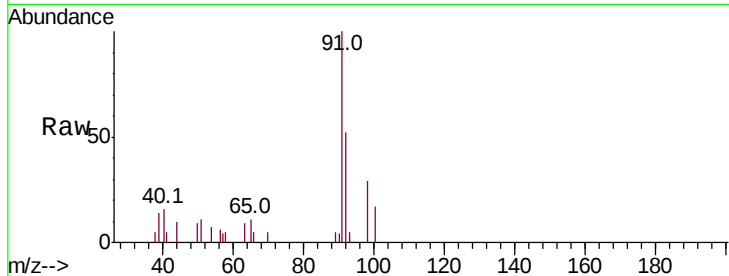
BFC31

Tot Ion: 91 Resp: 4256

Ion Ratio Lower Upper

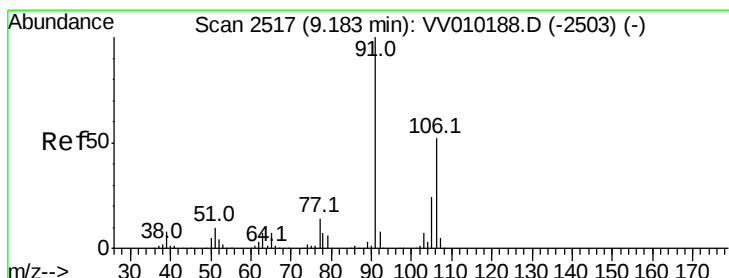
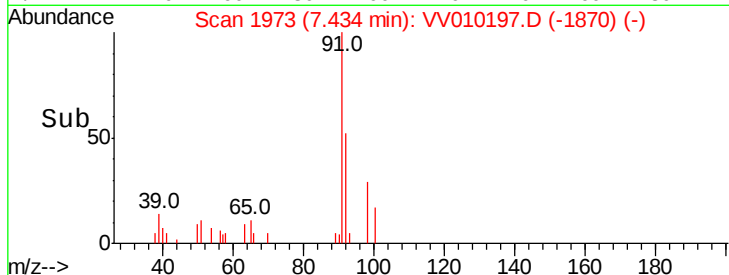
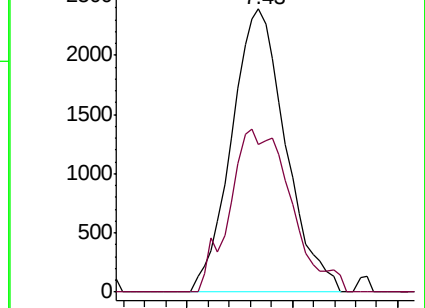
91 100

92 52.3 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV010188.D (-1957) (-)

Ion 92.00 (91.70 to 92.70): VV010188.D (-1957) (-)



#54

m,p-Xylene

Concen: 0.368 ug/L

RT: 9.19 min Scan# 2519

Delta R.T. 0.01 min

Lab File: VV010197.D

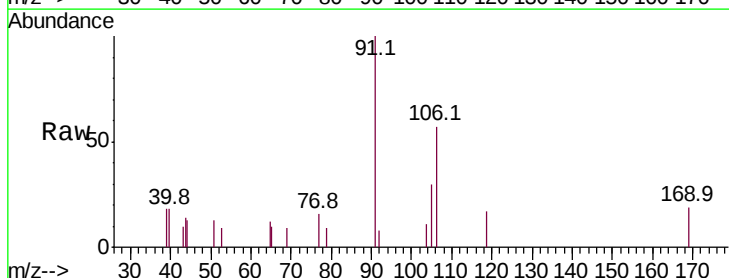
Acq: 09 Apr 2019 01:56

Tgt Ion: 106 Resp: 1643

Ion Ratio Lower Upper

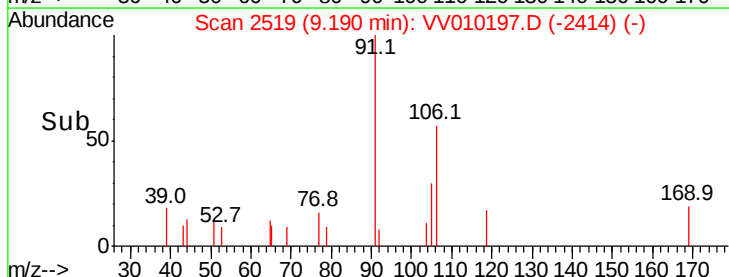
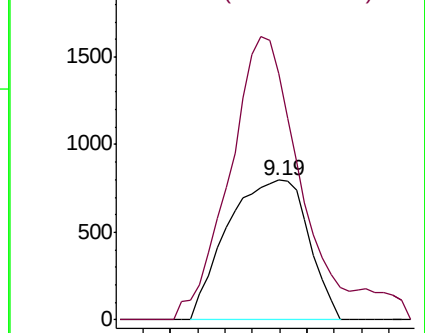
106 100

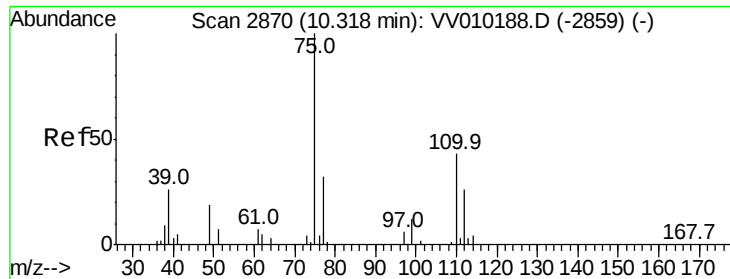
91 176.7 139.3 258.7



Abundance Ion 106.00 (105.70 to 106.70): VV010188.D (-2503) (-)

Ion 91.00 (90.70 to 91.70): VV010188.D (-2503) (-)

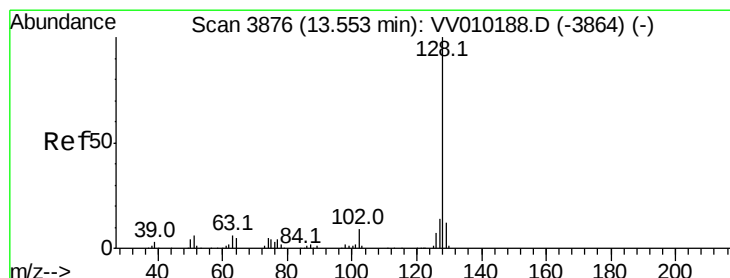
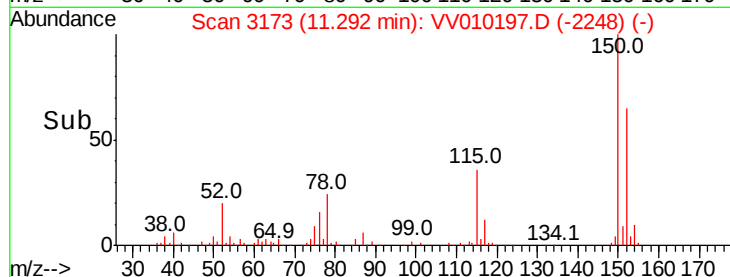
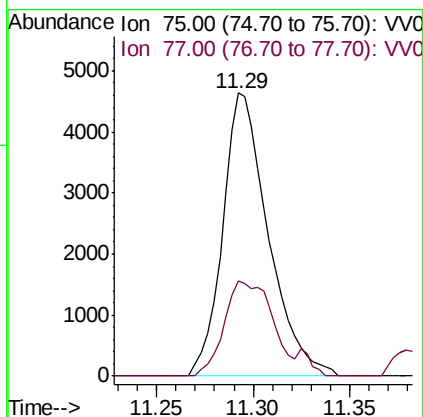
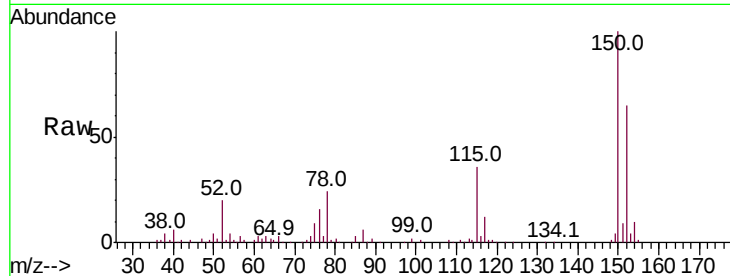




#59
 1,2,3-Trichloropropane
 Concen: 3.929 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.97 min
 Lab File: VV010197.D
 Acq: 09 Apr 2019 01:56

Instrument :
 MSVOA_V
 ClientSampleId :
 BFC31

Tot Ion: 75 Resp: 7563
 Ion Ratio Lower Upper
 75 100
 77 35.8 25.8 38.8



#69
 Naphthalene
 Concen: 1.502 ug/L
 RT: 13.56 min Scan# 3878
 Delta R.T. 0.01 min
 Lab File: VV010197.D
 Acq: 09 Apr 2019 01:56

Tgt Ion: 128 Resp: 4915
 Ion Ratio Lower Upper
 128 100
 129 6.3 9.0 13.4#
 127 8.0 11.0 16.4#

