

Data File : VV010985.D
Acq On : 21 May 2019 05:22
Operator : SY/MD
Sample : K2948-02
Misc : 5.25G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFHA7

Quant Time: May 21 05:48:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Tue May 21 05:28:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	75422	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	71623	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	22264	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	12553	14.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	58.40%
7) Chloroethane-d5	1.56	69	11071	19.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.08%
10) 1,1-Dichloroethene-d2	2.12	63	21745	13.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	52.60%
20) 2-Butanone-d5	3.94	46	7664	25.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	51.66%
24) Chloroform-d	4.40	84	48104	24.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.48%
26) 1,2-Dichloroethane-d4	5.08	65	29528	25.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.60%
29) Benzene-d6	5.09	84	88281	22.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.32%
33) 1,2-Dichloropropane-d6	6.12	67	32896	26.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.92%
37) Toluene-d8	7.36	98	68978	18.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.92%
38) trans-1,3-Dichloropropene-	7.66	79	8557	16.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	67.08%
39) 2-Hexanone-d5	8.13	63	6254	26.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	53.98%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	28896	23.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.20%
61) 1,2-Dichlorobenzene-d4	11.67	152	21796	24.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.44%

Target Compounds

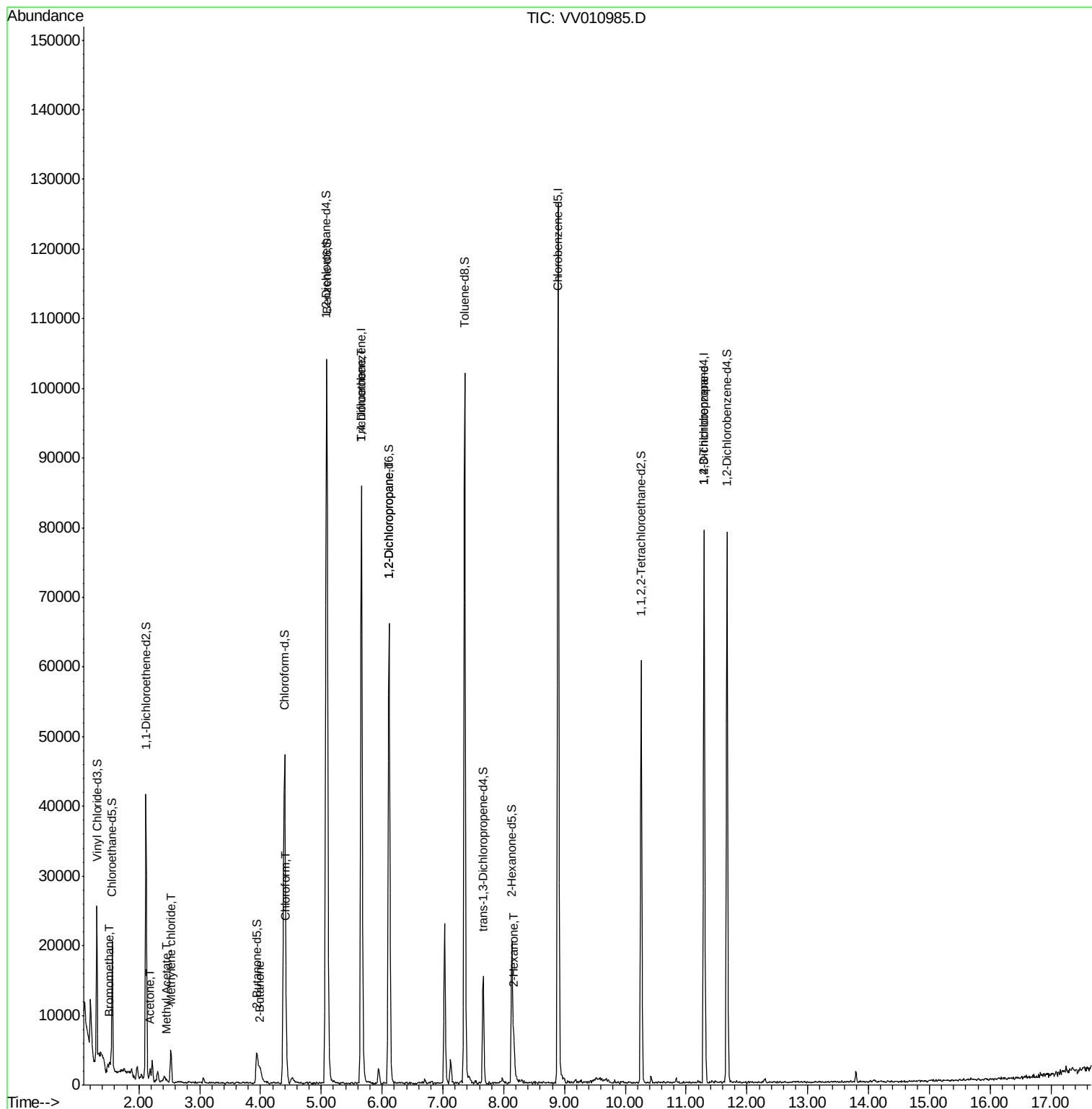
					Qvalue
6) Bromomethane	1.51	94	295	0.835 ug/L	89
13) Acetone	2.19	43	1321	4.617 ug/L	74
15) Methyl Acetate	2.45	43	538	0.979 ug/L #	49
16) Methylene chloride	2.53	84	2032	1.570 ug/L	97
21) 2-Butanone	3.99	43	1537	3.926 ug/L #	49
25) Chloroform	4.43	83	2419	1.069 ug/L	94
35) Trichloroethene	5.66	95	2298	2.014 ug/L #	5
40) 1,2-Dichloropropane	6.11	63	3495	3.221 ug/L #	86
49) 2-Hexanone	8.17	43	2820	4.966 ug/L #	45
59) 1,2,3-Trichloropropane	11.30	75	2841	3.177 ug/L #	71

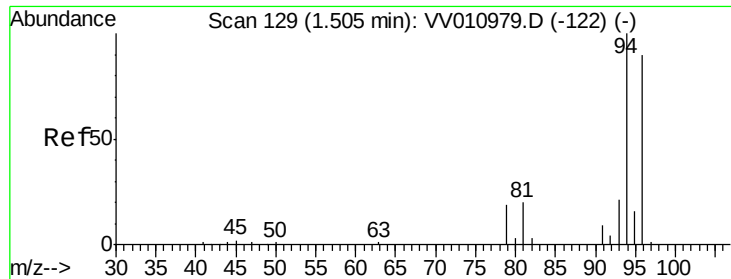
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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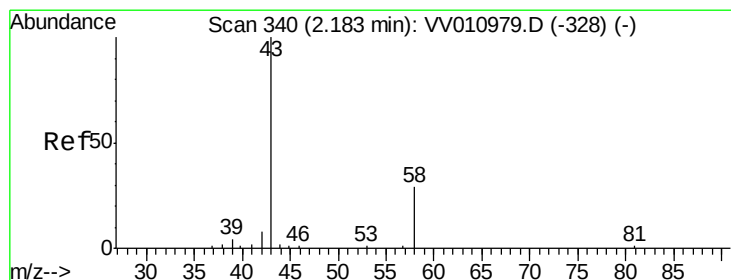
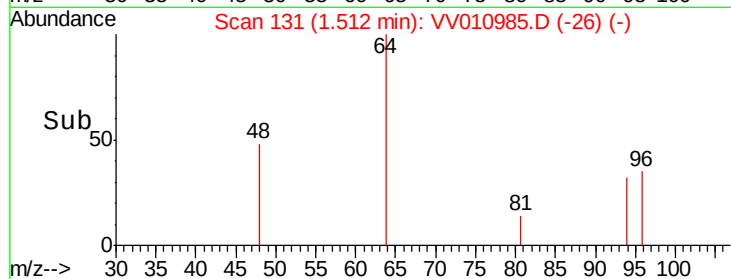
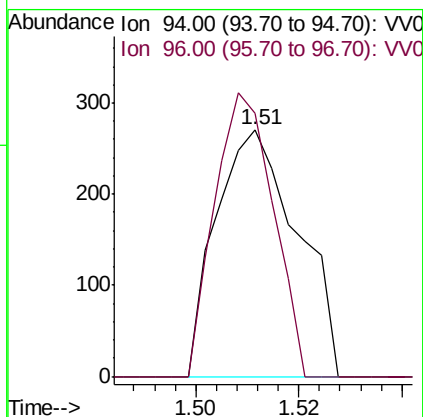
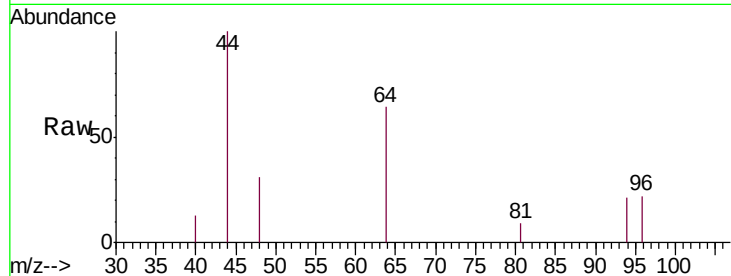




#6
 Bromomethane
 Concen: 0.835 ug/L
 RT: 1.51 min Scan# 131
 Delta R.T. 0.01 min
 Lab File: VV010985.D
 Acq: 21 May 2019 05:22

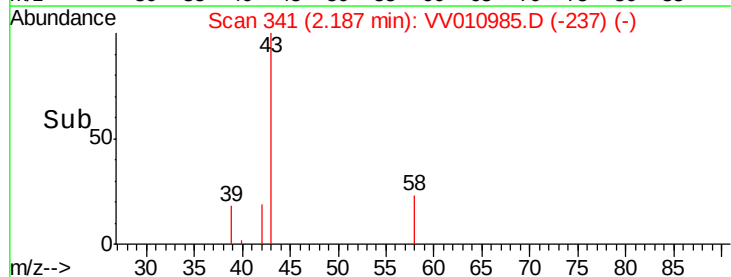
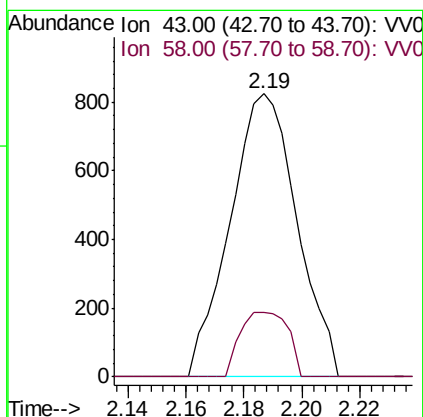
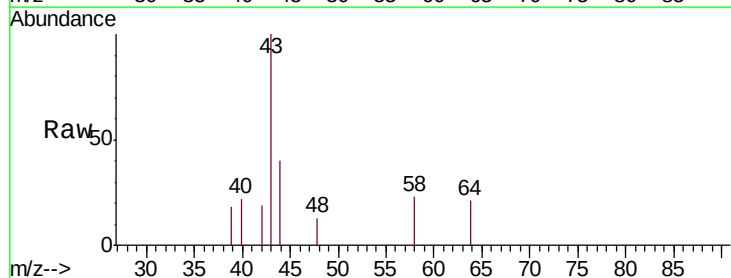
Instrument :
 MSVOA_V
 ClientSampled :
 BFHA7

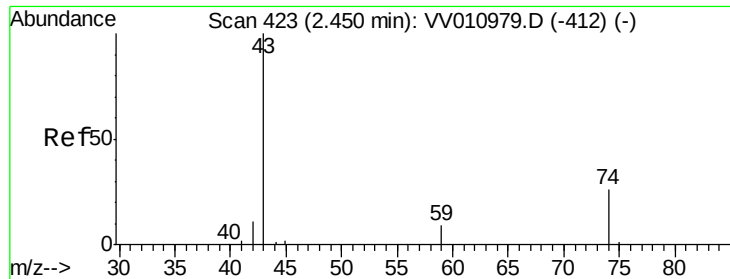
Tgt Ion: 94 Resp: 295
 Ion Ratio Lower Upper
 94 100
 96 83.1 9.3 177.7



#13
 Acetone
 Concen: 4.617 ug/L
 RT: 2.19 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VV010985.D
 Acq: 21 May 2019 05:22

Tgt Ion: 43 Resp: 1321
 Ion Ratio Lower Upper
 43 100
 58 16.3 0.0 60.8

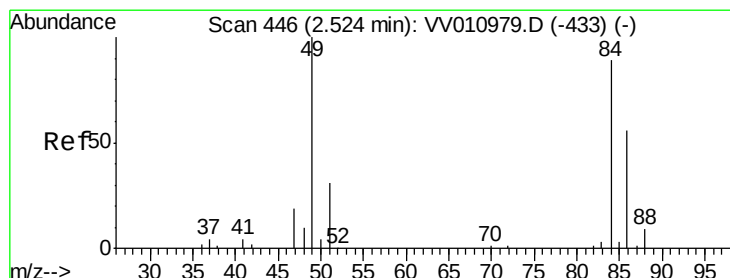
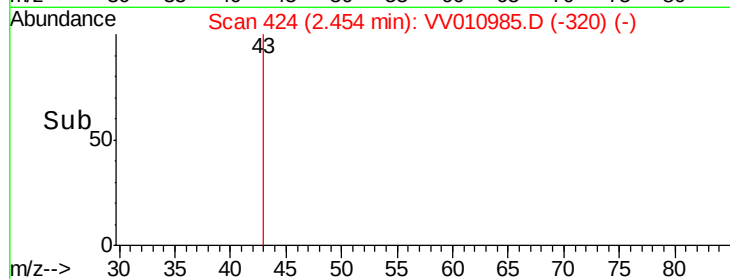
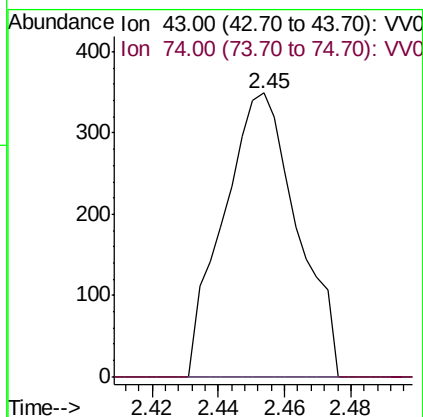
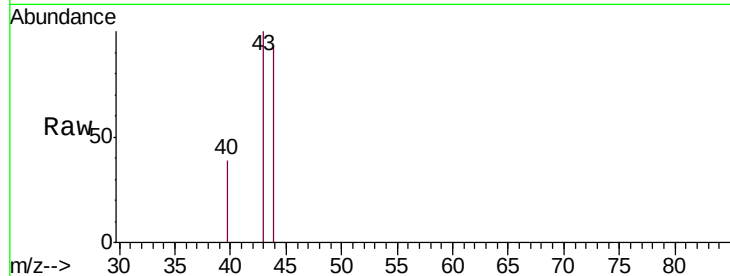




#15
Methyl Acetate
Concen: 0.979 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV010985.D
Acq: 21 May 2019 05:22

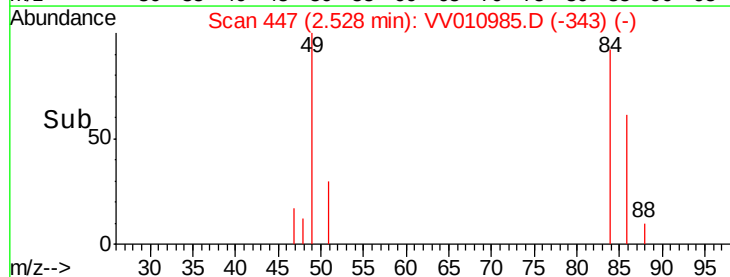
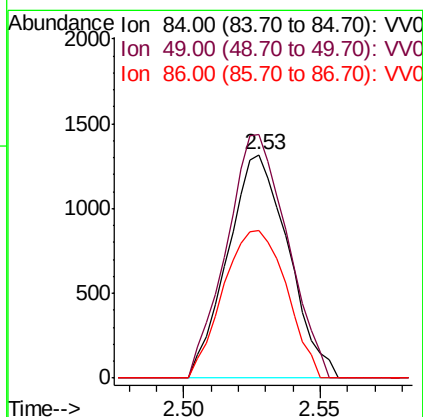
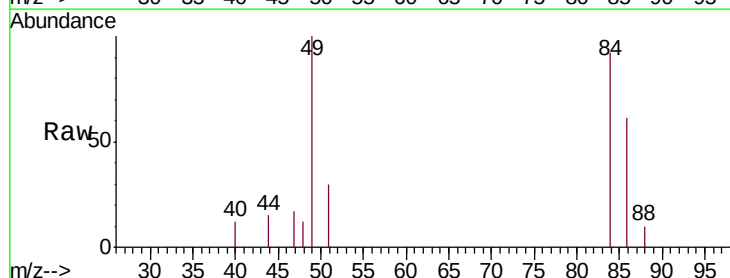
Instrument :
MSVOA_V
ClientSampleId :
BFHA7

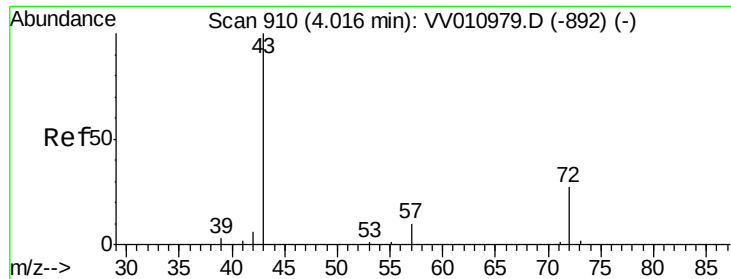
Tgt Ion: 43 Resp: 538
Ion Ratio Lower Upper
43 100
74 0.0 21.1 31.7#



#16
Methylene chloride
Concen: 1.570 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV010985.D
Acq: 21 May 2019 05:22

Tgt Ion: 84 Resp: 2032
Ion Ratio Lower Upper
84 100
49 108.9 77.4 143.8
86 66.2 44.0 81.6





#21

2-Butanone

Concen: 3.926 ug/L

RT: 3.99 min Scan# 903

Delta R.T. -0.02 min

Lab File: VV010985.D

Acq: 21 May 2019 05:22

Instrument :

MSVOA_V

ClientSampled :

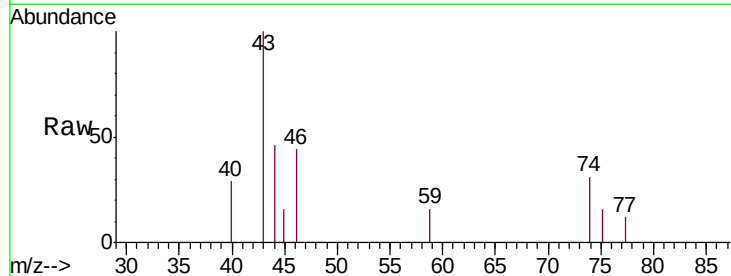
BFHA7

Tgt Ion: 43 Resp: 1537

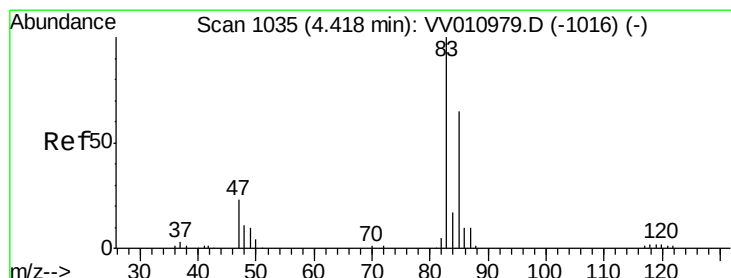
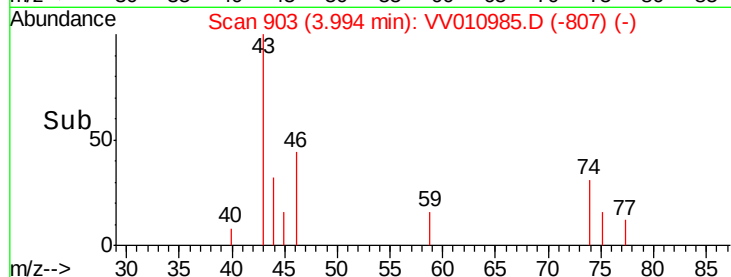
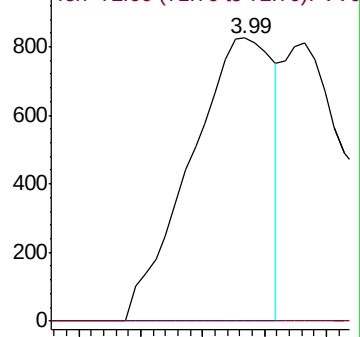
Ion Ratio Lower Upper

43 100

72 0.0 13.1 39.3#



Abundance Ion 43.00 (42.70 to 43.70): VV010979.D (-892) (-)



#25

Chloroform

Concen: 1.069 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VV010985.D

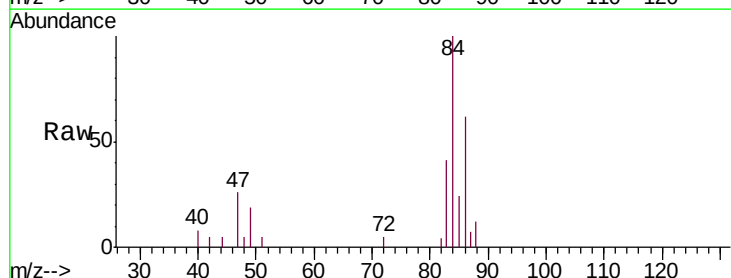
Acq: 21 May 2019 05:22

Tgt Ion: 83 Resp: 2419

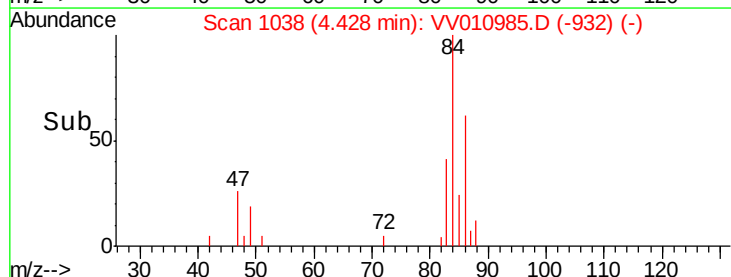
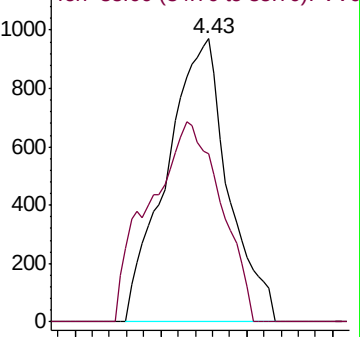
Ion Ratio Lower Upper

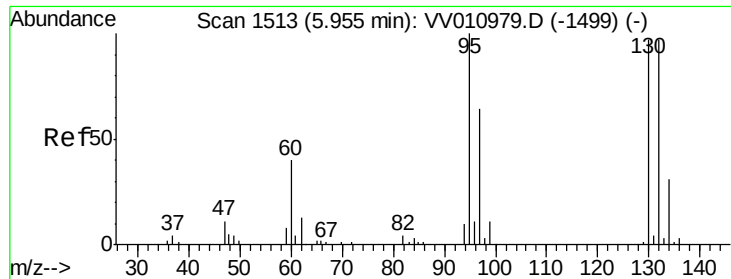
83 100

85 70.1 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VV010979.D (-1016) (-)





#35

Trichloroethene

Concen: 2.014 ug/L

RT: 5.66 min Scan# 1421

Delta R.T. -0.30 min

Lab File: VV010985.D

Acq: 21 May 2019 05:22

Instrument :

MSVOA_V

ClientSampleId :

BFHA7

Tgt Ion: 95 Resp: 2298

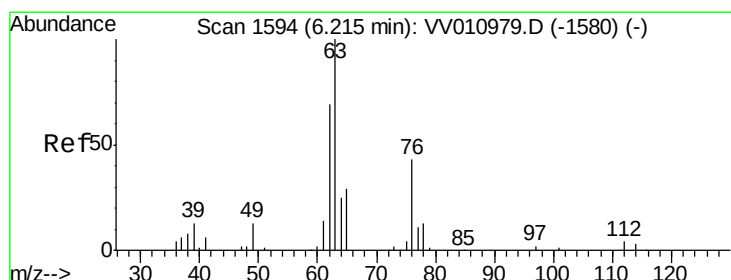
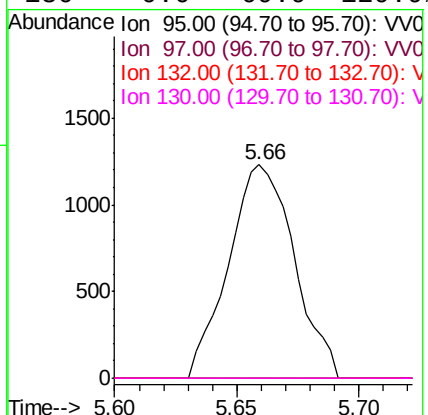
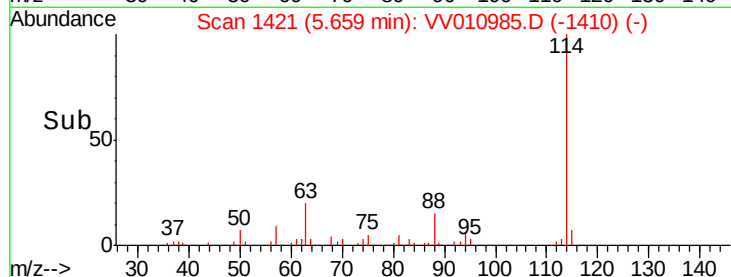
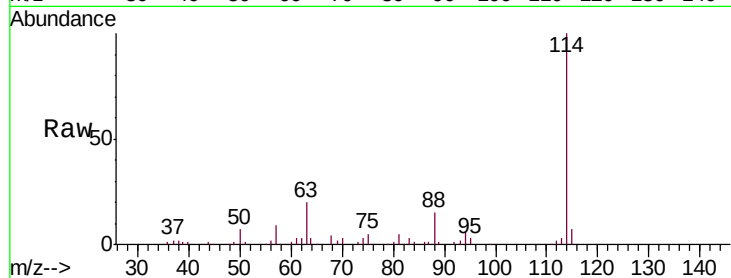
Ion Ratio Lower Upper

95 100

97 0.0 43.4 80.6#

132 0.0 68.8 127.8#

130 0.0 69.9 129.9#



#40

1,2-Dichloropropane

Concen: 3.221 ug/L

RT: 6.11 min Scan# 1561

Delta R.T. -0.11 min

Lab File: VV010985.D

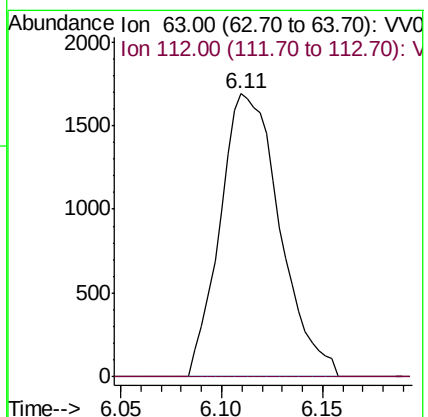
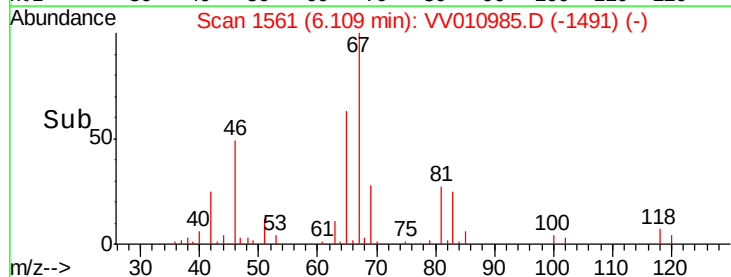
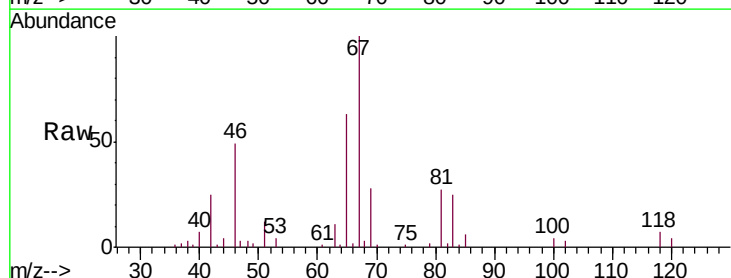
Acq: 21 May 2019 05:22

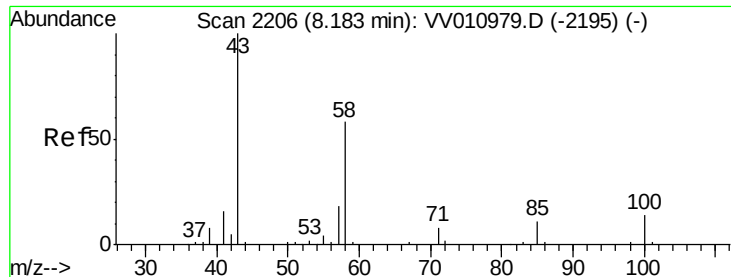
Tgt Ion: 63 Resp: 3495

Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#

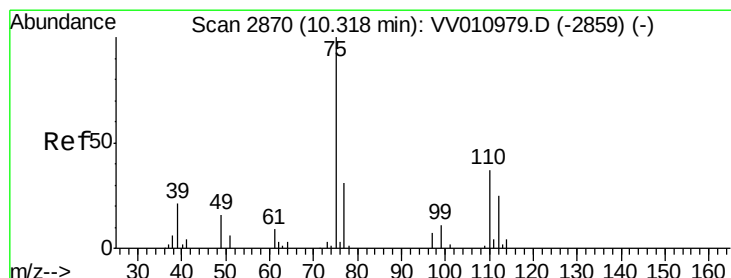
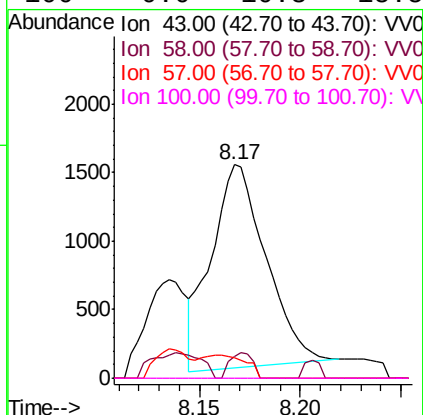
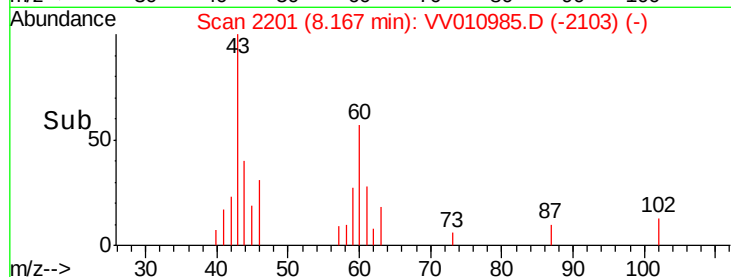
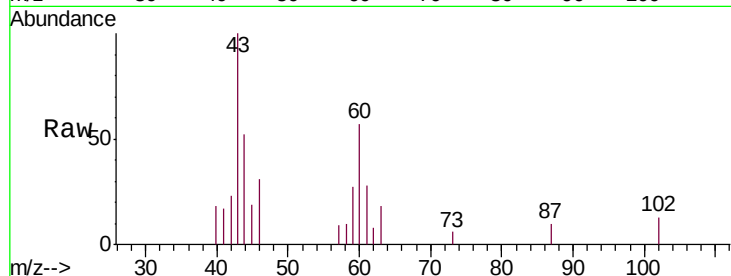




#49
2-Hexanone
Concen: 4.966 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. -0.02 min
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Acq: 21 May 2019 05:22

Instrument :
MSVOA_V
ClientSampleId :
BFHA7

Tgt Ion: 43 Resp: 2820
Ion Ratio Lower Upper
43 100
58 5.2 46.0 69.0#
57 8.9 14.5 21.7#
100 0.0 10.3 15.5#



#59
1,2,3-Trichloropropane
Concen: 3.177 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.98 min
Lab File: VV010985.D
Acq: 21 May 2019 05:22

Tgt Ion: 75 Resp: 2841
Ion Ratio Lower Upper
75 100
77 15.8 25.4 38.2#

