

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071620\
 Data File : VU039523.D
 Acq On : 16 Jul 2020 14:56
 Operator : SY/MD
 Sample : L3292-19
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT96

Quant Time: Jul 17 01:10:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 17 01:06:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	90999	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	85791	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	39606	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	23900	4.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.60%
7) Chloroethane-d5	1.93	69	27608	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.40%
11) 1,1-Dichloroethene-d2	2.58	63	35197	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	4.65	46	102282	42.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.76%
24) Chloroform-d	5.09	84	50159	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.72	65	34166	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.74	84	100750	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.71	67	34672	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.91	98	89499	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	8.19	79	13310	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.64	63	75269	39.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.20%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	29166	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	35856	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

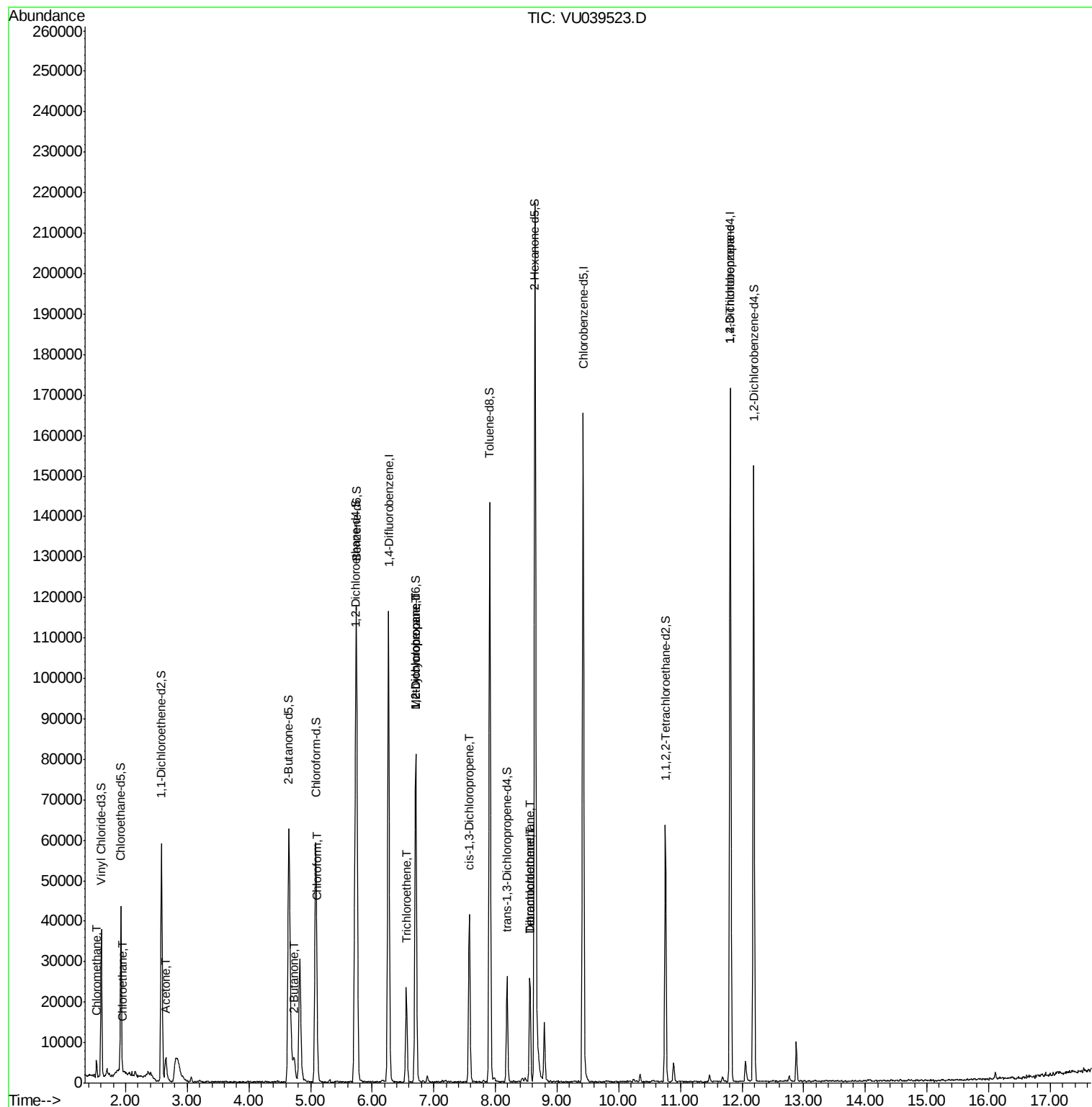
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	2568	0.384	ug/L	97
8) Chloroethane	1.96	64	452	0.084	ug/L #	41
13) Acetone	2.65	43	9229	7.085	ug/L	95
21) 2-Butanone	4.73	43	8549	3.677	ug/L	93
25) Chloroform	5.11	83	3430	0.290	ug/L	94
34) Trichloroethene	6.56	95	7278	1.098	ug/L	94
35) Methylcyclohexane	6.71	83	7843	0.738	ug/L #	23
37) 1,2-Dichloropropane	6.71	63	3770	0.539	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1111	0.105	ug/L #	22
47) Tetrachloroethene	8.56	164	4675	1.014	ug/L	97
49) Dibromochloromethane	8.56	129	4758	0.782	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6595	1.280	ug/L	90

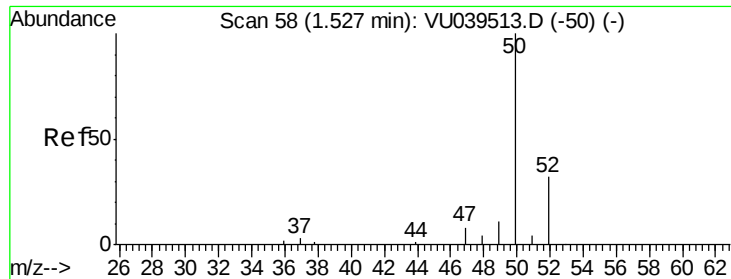
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.384 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039523.D

Acq: 16 Jul 2020 14:56

Instrument :

MSVOA_U

ClientSampleId :

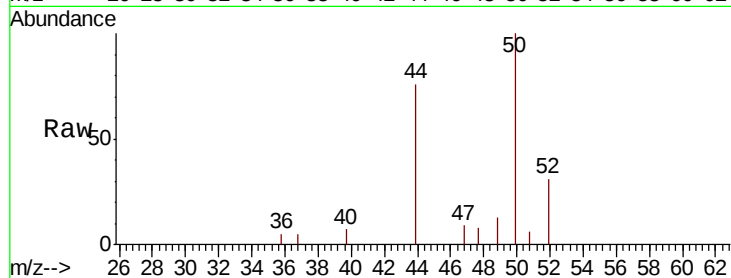
BFT96

Tot Ion: 50 Resp: 2568

Ion Ratio Lower Upper

50 100

52 31.3 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU039523.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039523.D (-50) (-)

2500

2000

1500

1000

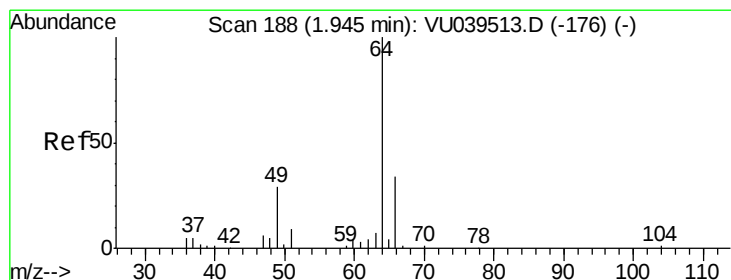
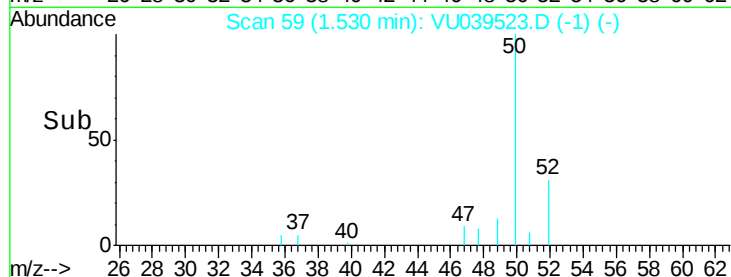
500

0

1.50 1.52 1.54 1.56

1.53

Time-->



#8

Chloroethane

Concen: 0.084 ug/L

RT: 1.96 min Scan# 192

Delta R.T. 0.01 min

Lab File: VU039523.D

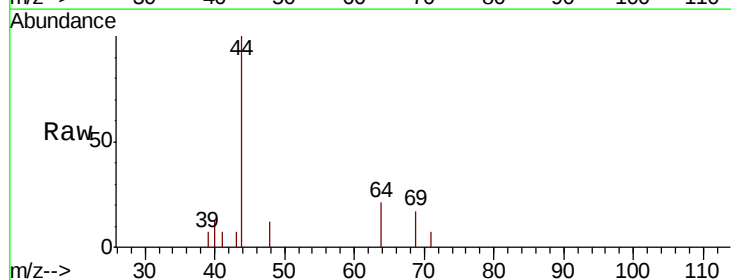
Acq: 16 Jul 2020 14:56

Tgt Ion: 64 Resp: 452

Ion Ratio Lower Upper

64 100

66 0.0 23.5 43.7#



Abundance Ion 64.10 (63.80 to 64.80): VU039523.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU039523.D (-176) (-)

400

300

200

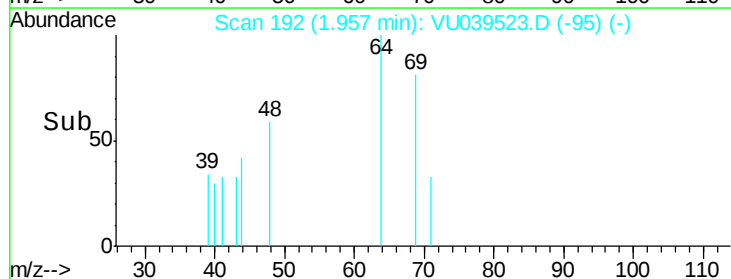
100

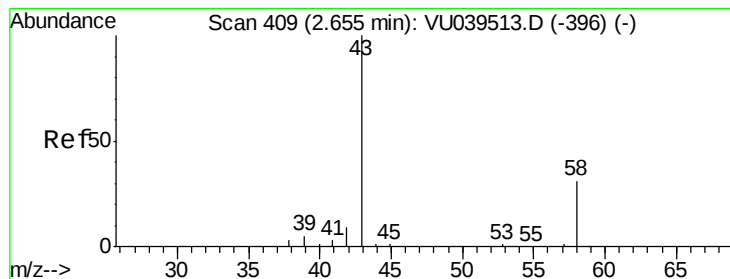
0

1.93 1.94 1.95 1.96 1.97

1.96

Time-->





#13

Acetone

Concen: 7.085 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU039523.D

Acq: 16 Jul 2020 14:56

Instrument :

MSVOA_U

ClientSampled :

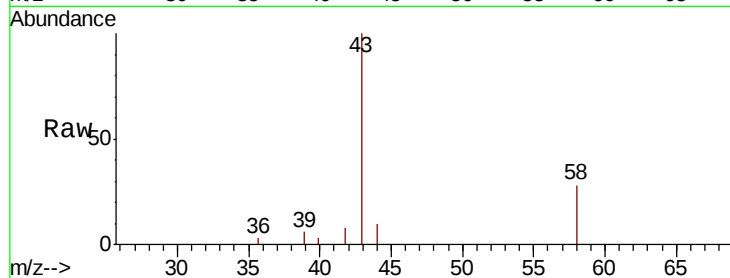
BFT96

Tot Ion: 43 Resp: 9229

Ion Ratio Lower Upper

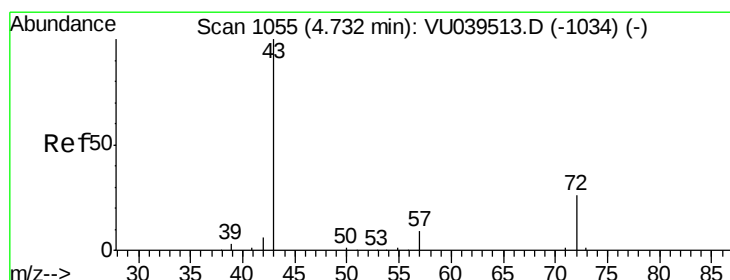
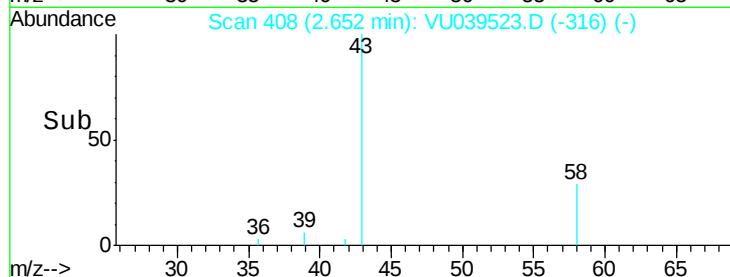
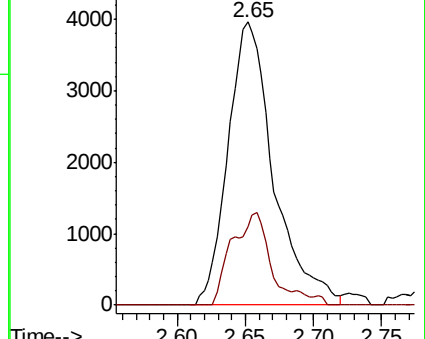
43 100

58 28.7 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039523.D (-316) (-)

Ion 58.05 (57.75 to 58.75): VU039523.D (-316) (-)



#21

2-Butanone

Concen: 3.677 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VU039523.D

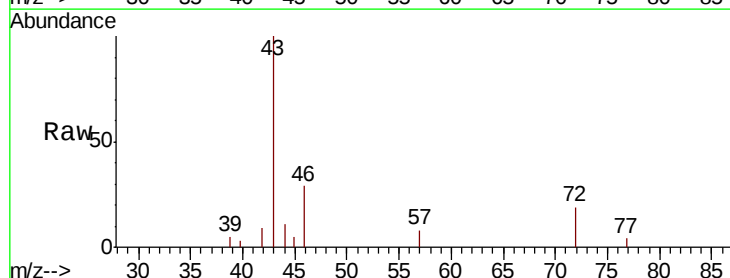
Acq: 16 Jul 2020 14:56

Tgt Ion: 43 Resp: 8549

Ion Ratio Lower Upper

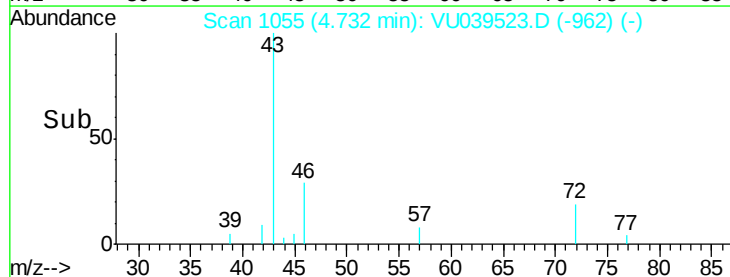
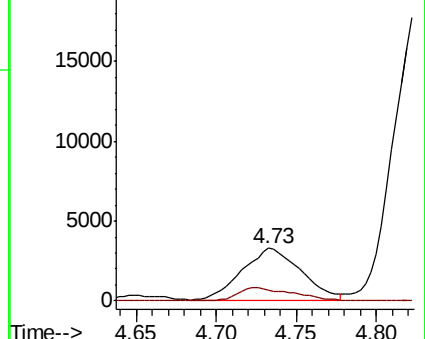
43 100

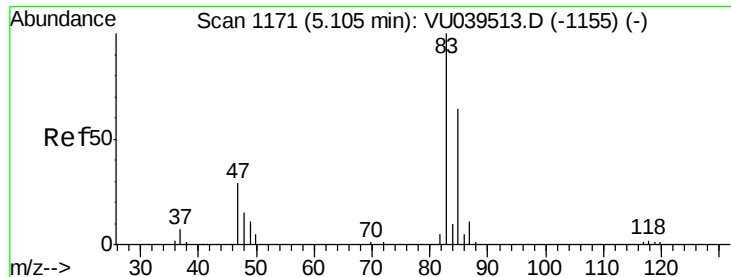
72 22.8 13.2 39.5



Abundance Ion 43.05 (42.75 to 43.75): VU039523.D (-962) (-)

Ion 72.10 (71.80 to 72.80): VU039523.D (-962) (-)

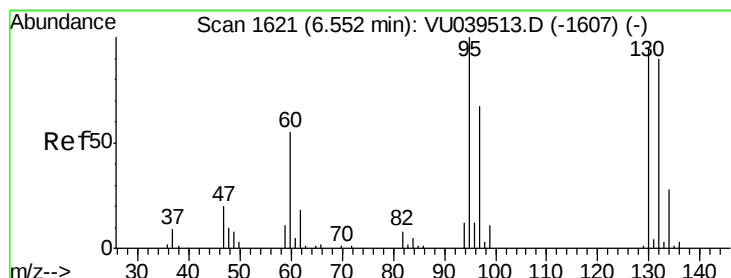
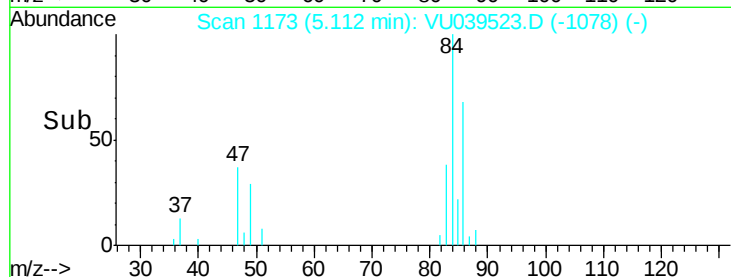
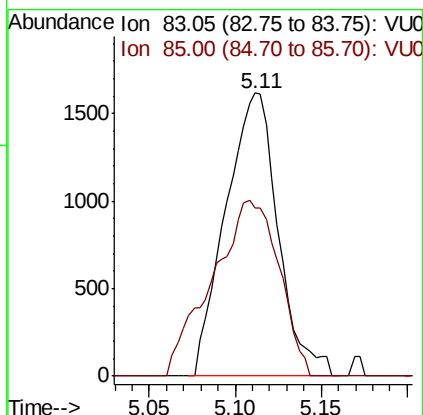
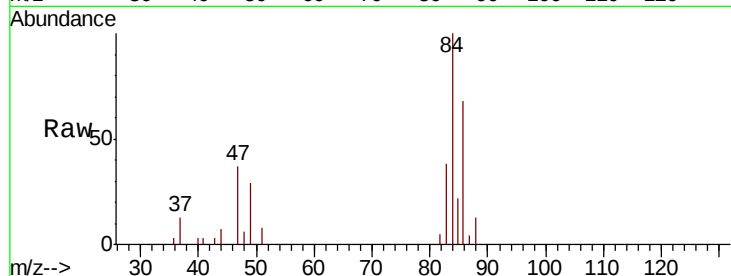




#25
Chloroform
Concen: 0.290 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU039523.D
Acq: 16 Jul 2020 14:56

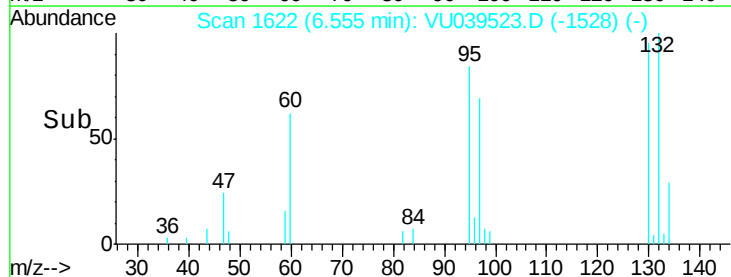
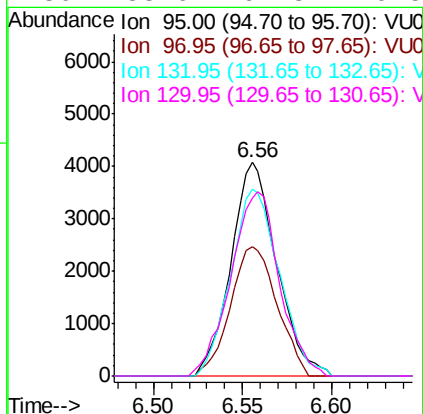
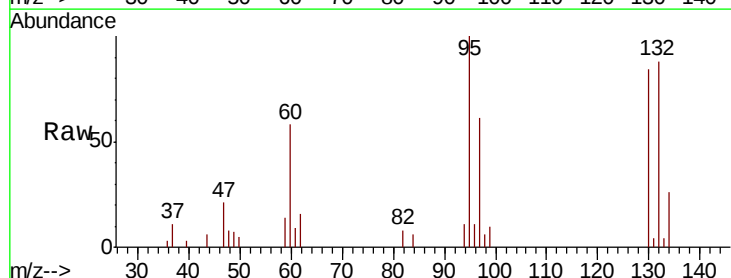
Instrument :
MSVOA_U
ClientSampled :
BFT96

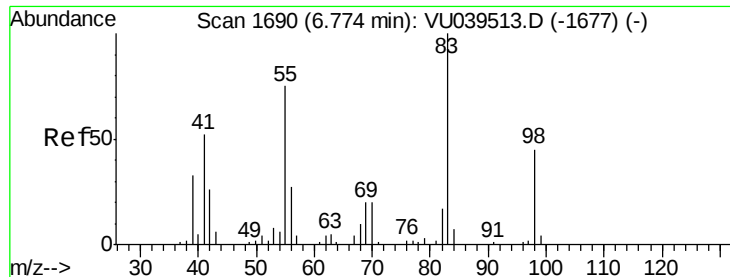
Tot Ion: 83 Resp: 3430
Ion Ratio Lower Upper
83 100
85 59.6 44.9 83.5



#34
Trichloroethene
Concen: 1.098 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU039523.D
Acq: 16 Jul 2020 14:56

Tgt Ion: 95 Resp: 7278
Ion Ratio Lower Upper
95 100
97 60.7 46.3 85.9
132 87.7 64.0 118.8
130 83.6 64.3 119.5

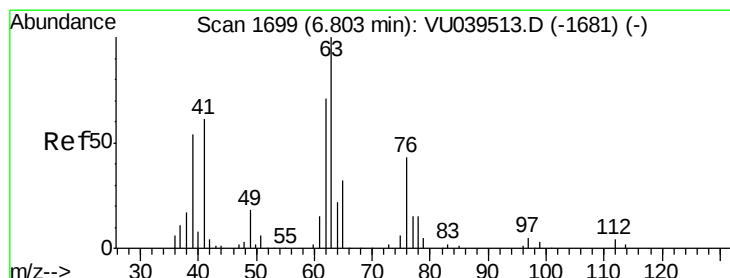
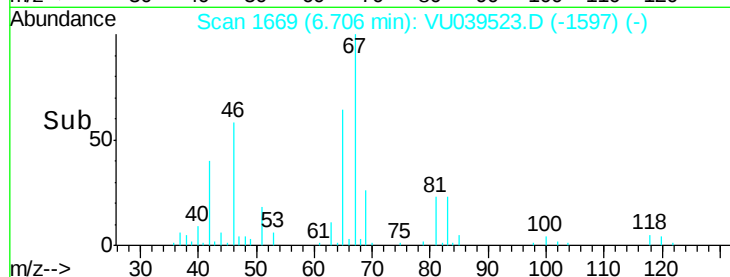
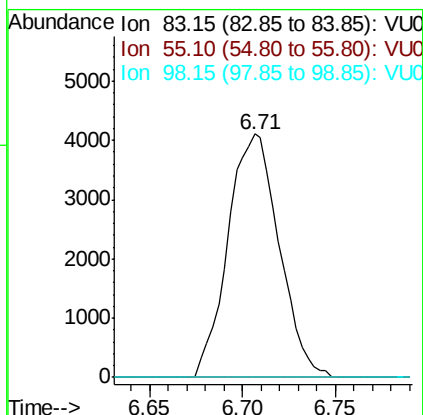
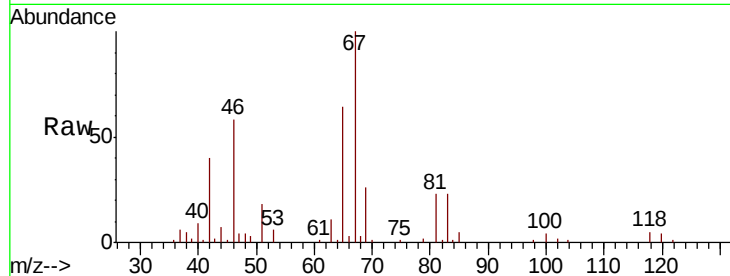




#35
Methvlcvclohexane
Concen: 0.738 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039523.D
Acq: 16 Jul 2020 14:56

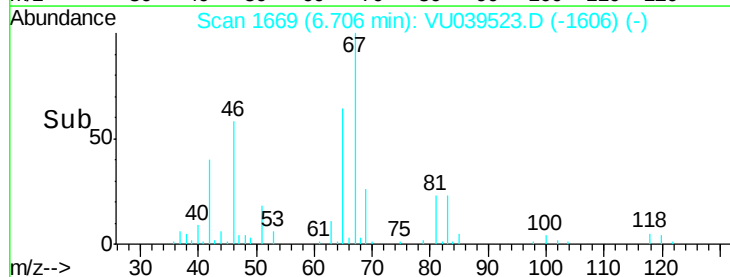
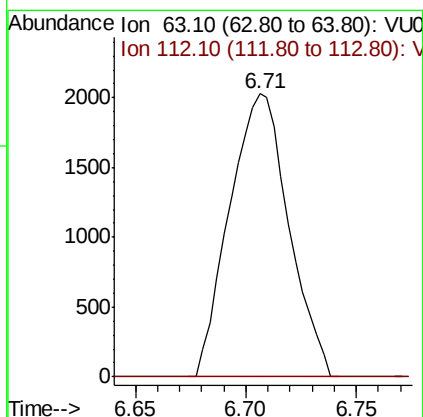
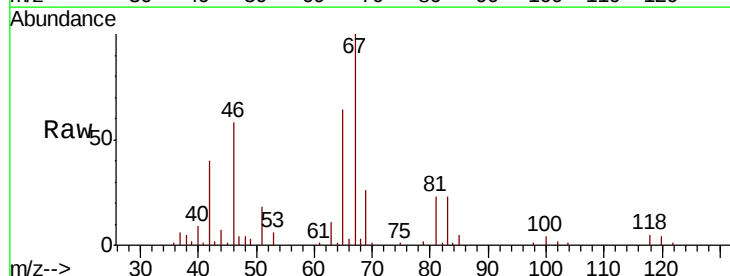
Instrument :
MSVOA_U
ClientSampled :
BFT96

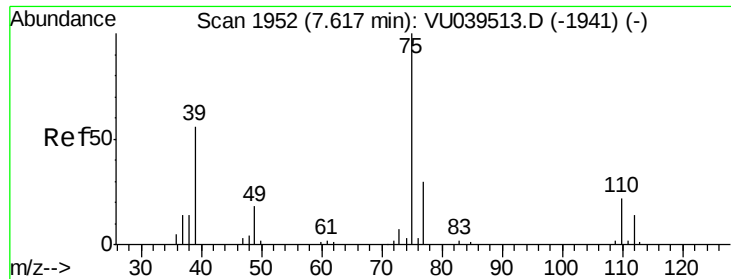
Tot Ion: 83 Resp: 7843
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 8.7 35.9 53.9#



#37
1,2-Dichloropropane
Concen: 0.539 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU039523.D
Acq: 16 Jul 2020 14:56

Tgt Ion: 63 Resp: 3770
Ion Ratio Lower Upper
63 100
112 0.0 2.5 3.7#

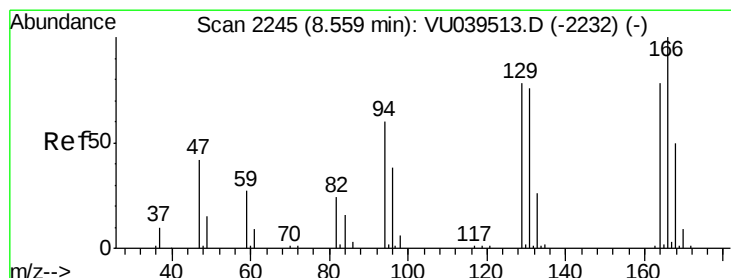
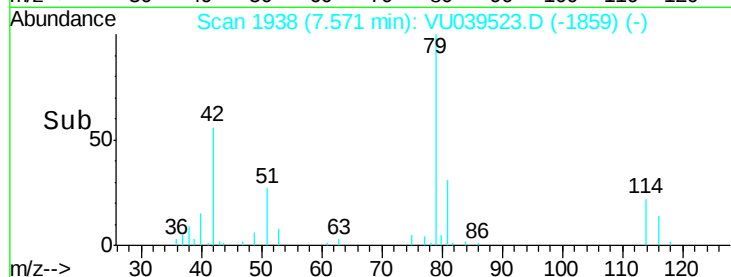
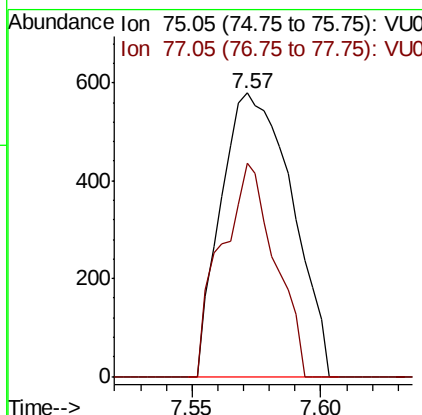
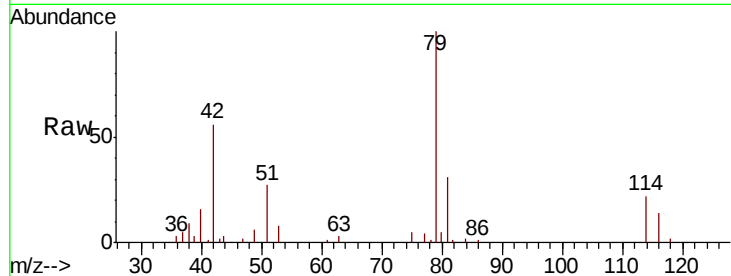




#39
 cis-1,3-Dichloropropene
 Concen: 0.105 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.05 min
 Lab File: VU039523.D
 Acq: 16 Jul 2020 14:56

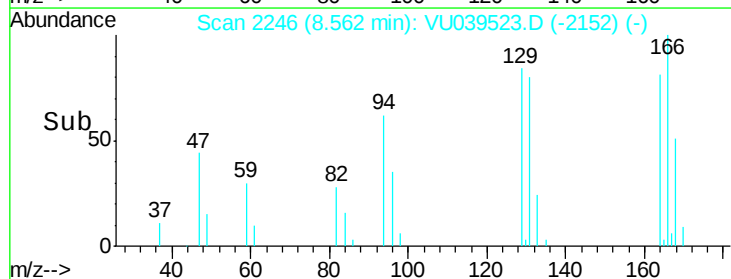
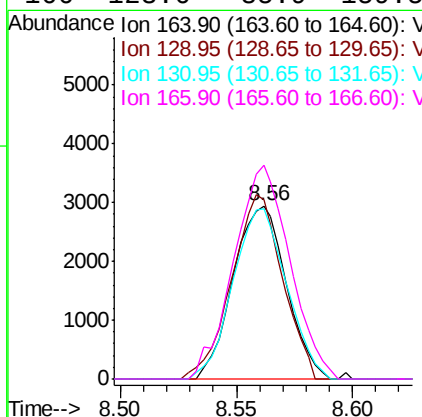
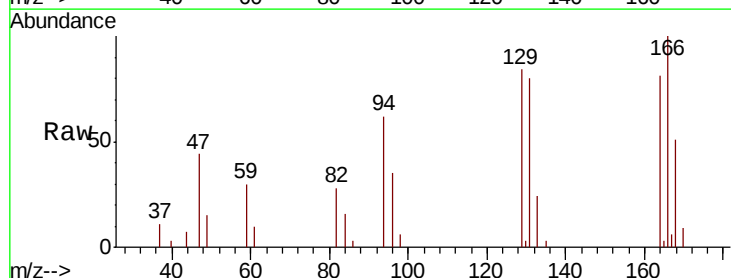
Instrument :
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 ClientSampleId :
 BFT96

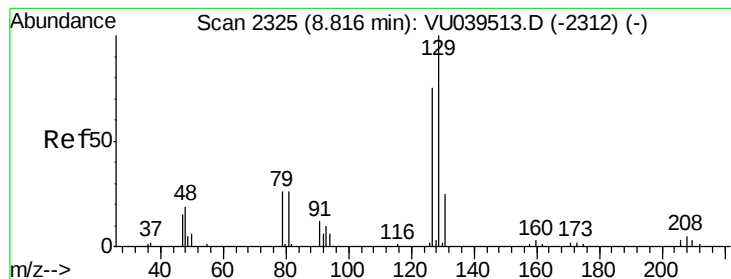
Tot Ion: 75 Resp: 1111
 Ion Ratio Lower Upper
 75 100
 77 75.3 22.3 41.3#



#47
 Tetrachloroethene
 Concen: 1.014 ug/L
 RT: 8.56 min Scan# 2246
 Delta R.T. 0.00 min
 Lab File: VU039523.D
 Acq: 16 Jul 2020 14:56

Tgt Ion:164 Resp: 4675
 Ion Ratio Lower Upper
 164 100
 129 104.1 68.6 127.4
 131 98.3 66.4 123.4
 166 123.6 85.9 159.5





#49

Dibromochloromethane

Concen: 0.782 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU039523.D

Acq: 16 Jul 2020 14:56

Instrument :

MSVOA_U

ClientSampleId :

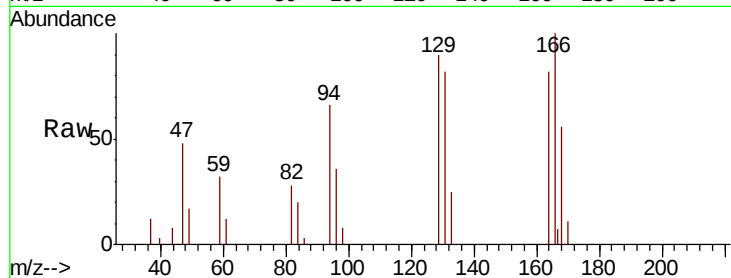
BFT96

Tot Ion:129 Resp: 4758

Ion Ratio Lower Upper

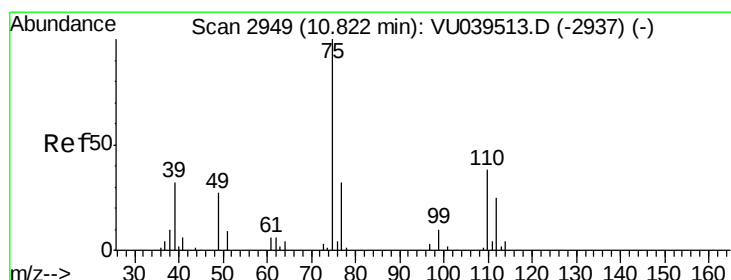
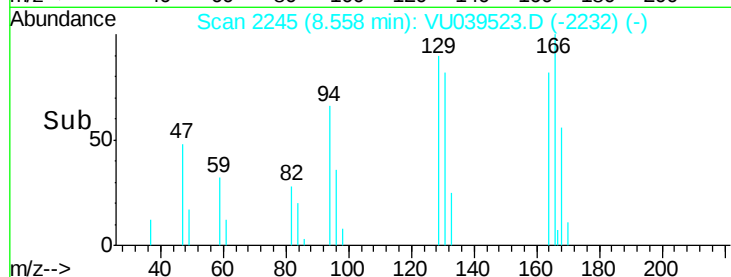
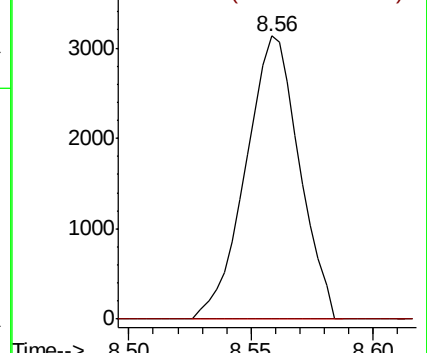
129 100

127 0.0 55.4 102.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 1.280 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039523.D

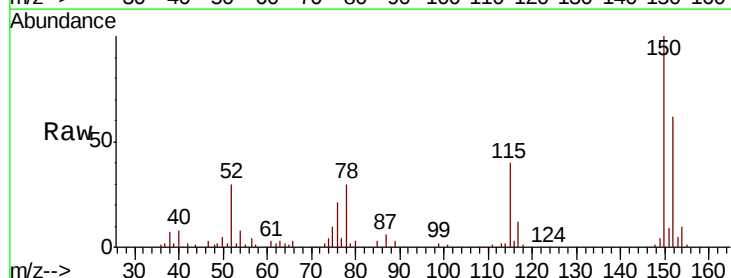
Acq: 16 Jul 2020 14:56

Tgt Ion: 75 Resp: 6595

Ion Ratio Lower Upper

75 100

77 39.1 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

