

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR092818\
 Data File : VR025897.D
 Acq On : 28 Sep 2018 13:03
 Operator : SY/MD
 Sample : J5062-14
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Sep 29 05:15:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 29 05:14:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	497018	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	399292	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	137043	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	175838	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	2.63	69	153679	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	3.63	63	338788	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	6.59	46	232507	53.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.42%
24) Chloroform-d	7.20	84	333801	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	7.90	65	142965	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	7.85	84	660217	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	8.89	67	182373	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	9.97	98	591967	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	10.24	79	37619	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
46) 2-Hexanone-d5	10.59	63	173646	56.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.04%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	72695	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	110538	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

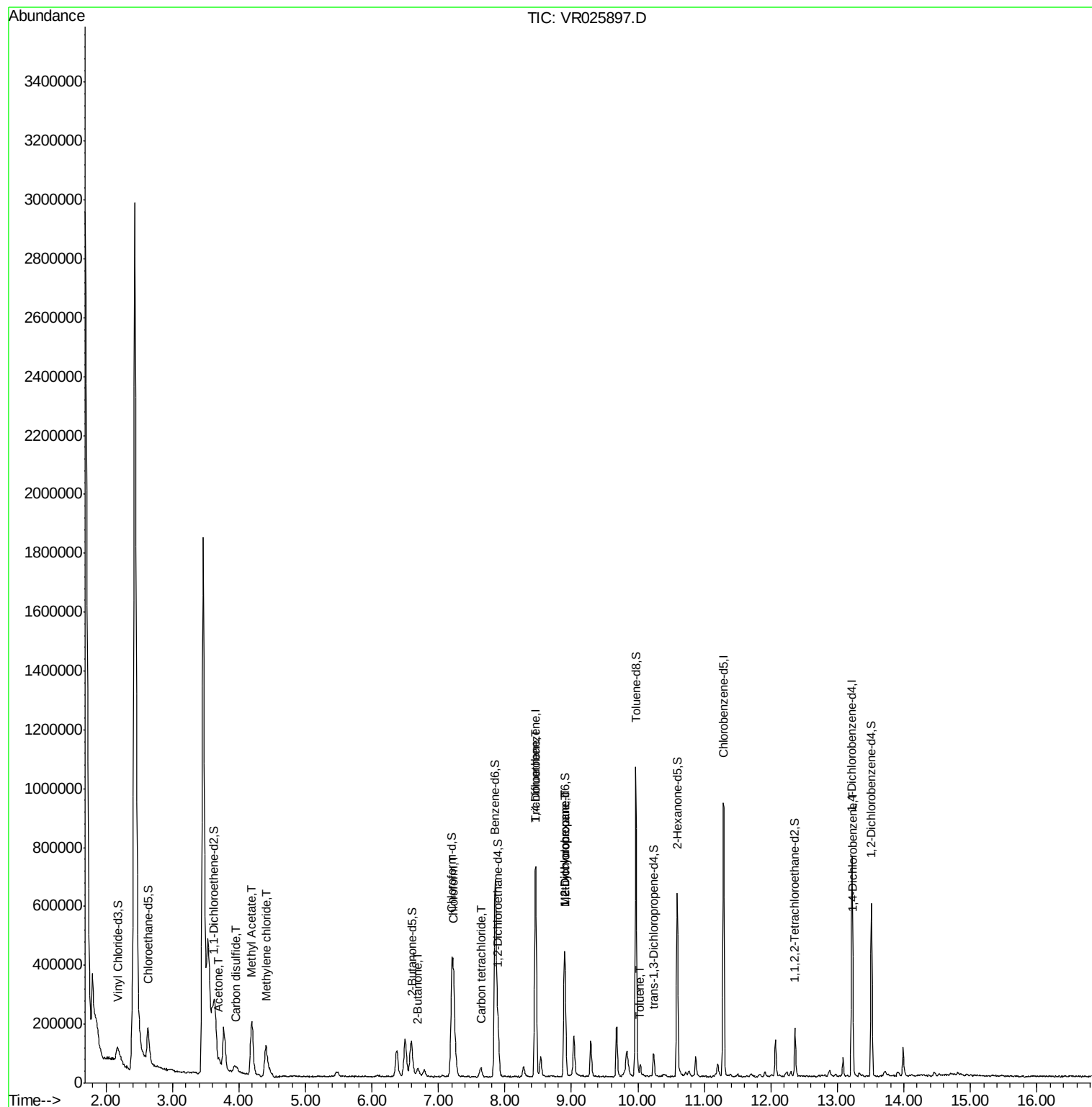
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	3.70	43	54625	17.249	ug/L	98
14) Carbon disulfide	3.95	76	30210	0.333	ug/L	95
15) Methyl Acetate	4.19	43	357501	40.713	ug/L	98
16) Methylene chloride	4.41	84	90818	2.632	ug/L	94
21) 2-Butanone	6.69	43	44335	10.178	ug/L	99
25) Chloroform	7.23	83	227323	3.800	ug/L	93
31) Carbon tetrachloride	7.64	117	22100	0.568	ug/L	95
34) Trichloroethene	8.46	95	18122	0.514	ug/L #	15
35) Methylcyclohexane	8.90	83	42513	0.801	ug/L #	16
37) 1,2-Dichloropropane	8.90	63	22485	0.783	ug/L #	93
42) Toluene	10.03	91	23615	0.170	ug/L	94
63) 1,4-Dichlorobenzene	13.24	146	3658	0.089	ug/L #	48

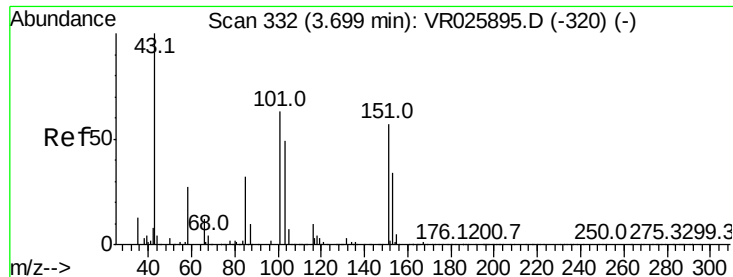
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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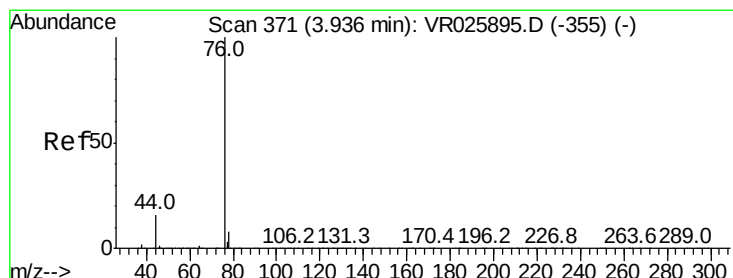
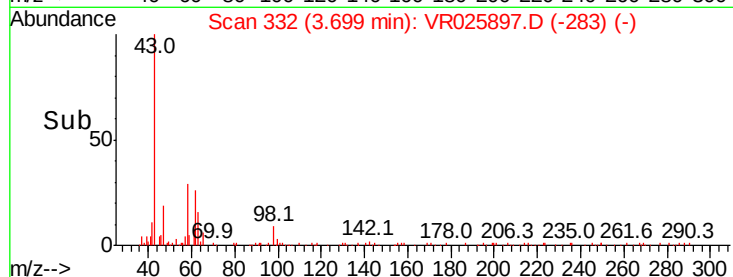
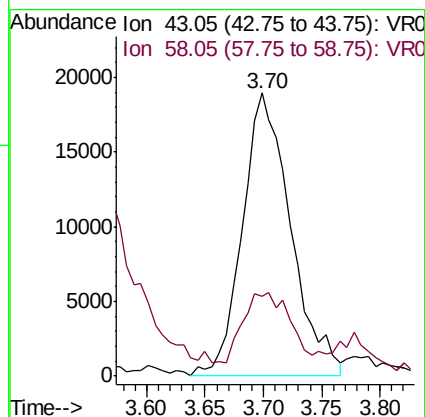
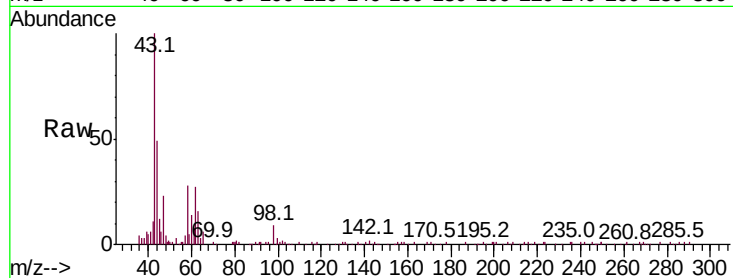




#13
Acetone
Concen: 17.249 ug/L
RT: 3.70 min Scan# 332
Delta R.T. -0.00 min
Lab File: VR025897.D
Acq: 28 Sep 2018 13:03

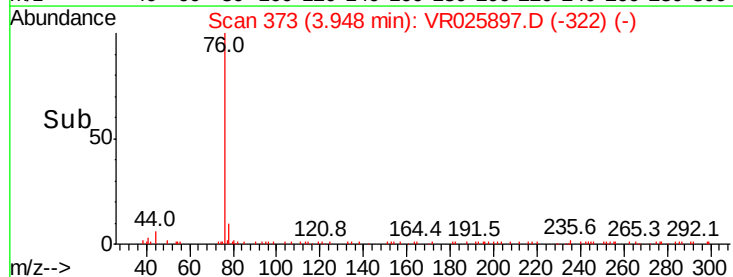
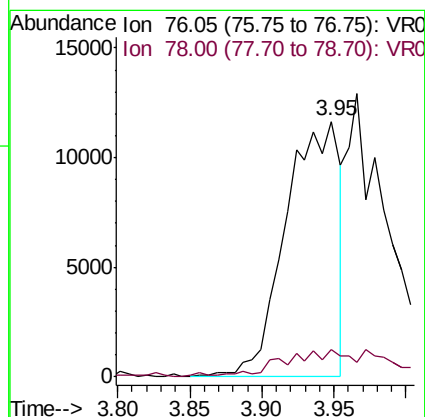
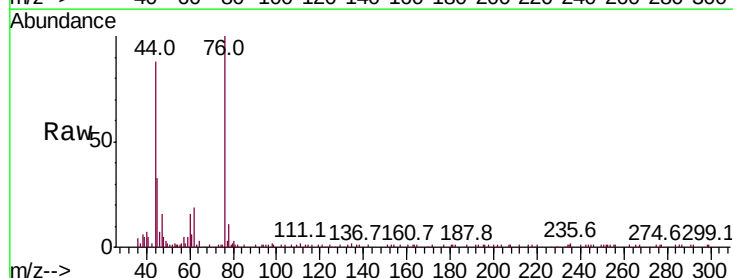
Instrument :
MSVOA_R
ClientSampled :

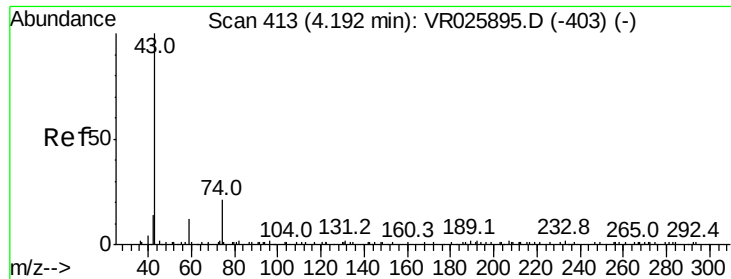
Tot Ion: 43 Resp: 54625
Ion Ratio Lower Upper
43 100
58 24.6 0.0 51.4



#14
Carbon disulfide
Concen: 0.333 ug/L
RT: 3.95 min Scan# 373
Delta R.T. 0.01 min
Lab File: VR025897.D
Acq: 28 Sep 2018 13:03

Tgt Ion: 76 Resp: 30210
Ion Ratio Lower Upper
76 100
78 10.5 7.0 10.6

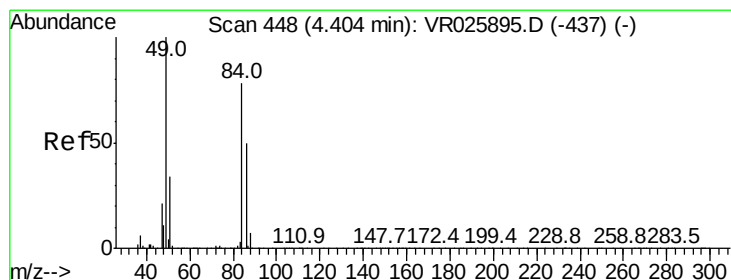
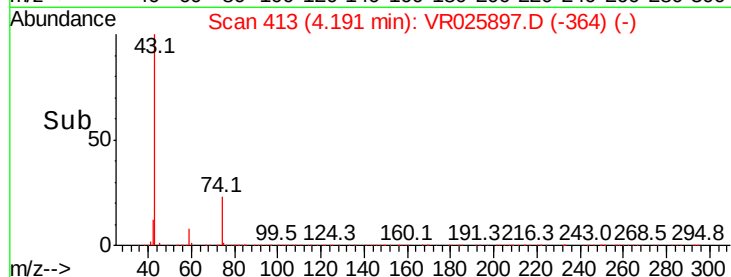
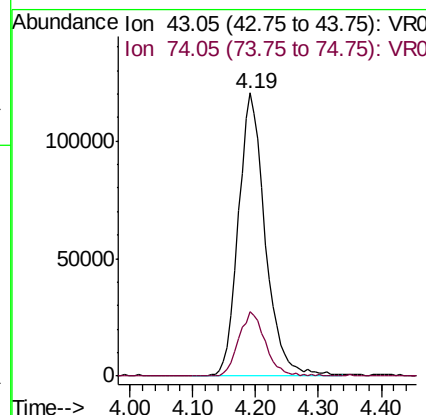
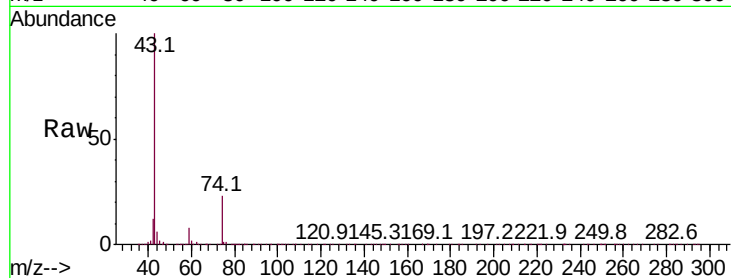




#15
Methvl Acetate
Concen: 40.713 ug/L
RT: 4.19 min Scan# 413
Delta R.T. -0.00 min
Lab File: VR025897.D
Acq: 28 Sep 2018 13:03

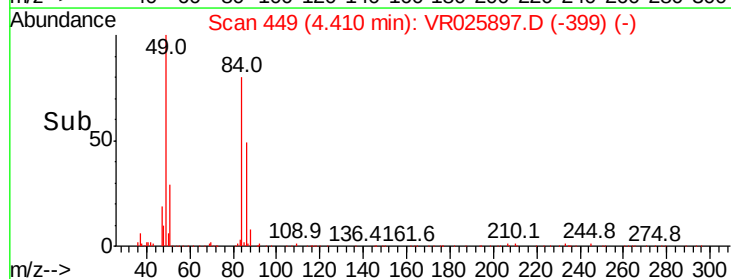
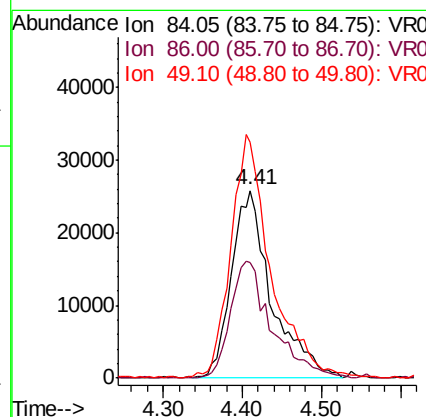
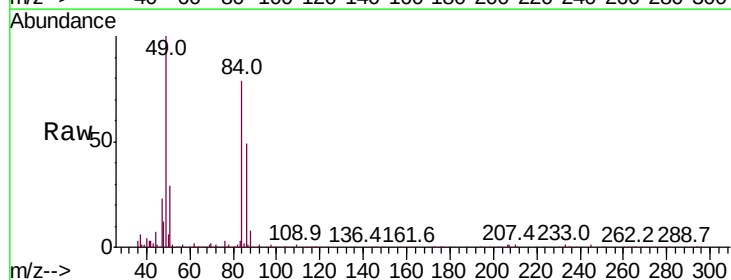
Instrument :
MSVOA_R
ClientSampled :

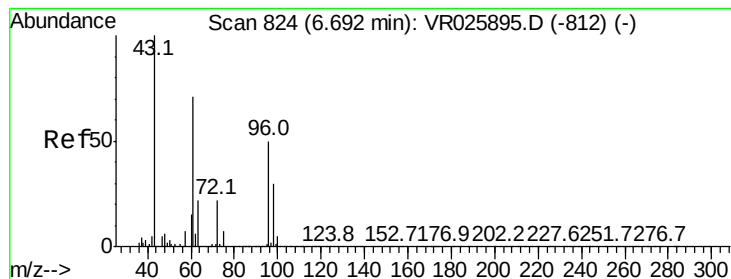
Tot Ion: 43 Resp: 357501
Ion Ratio Lower Upper
43 100
74 22.7 19.0 28.4



#16
Methylene chloride
Concen: 2.632 ug/L
RT: 4.41 min Scan# 449
Delta R.T. 0.01 min
Lab File: VR025897.D
Acq: 28 Sep 2018 13:03

Tgt Ion: 84 Resp: 90818
Ion Ratio Lower Upper
84 100
86 62.0 43.1 80.1
49 126.1 95.5 177.3





#21

2-Butanone

Concen: 10.178 ug/L

RT: 6.69 min Scan# 824

Delta R.T. -0.00 min

Lab File: VR025897.D

Acq: 28 Sep 2018 13:03

Instrument :

MSVOA_R

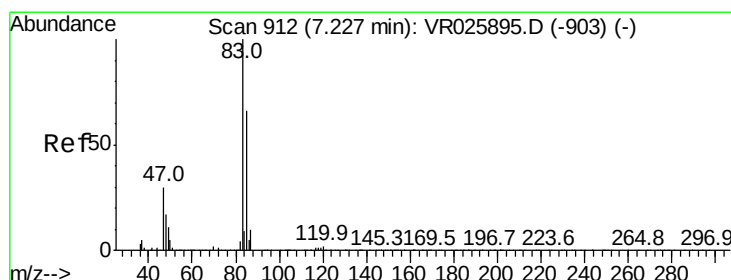
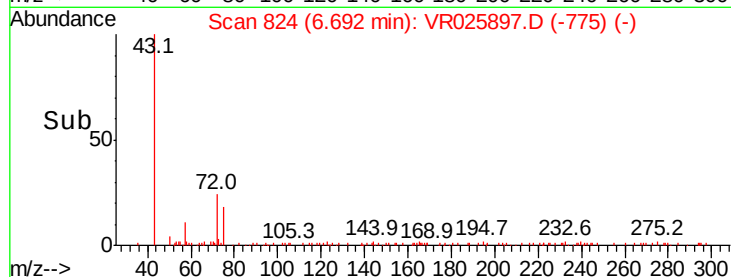
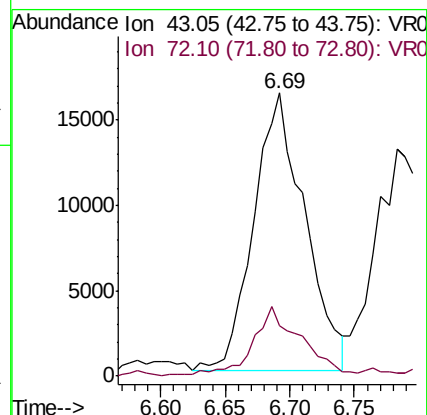
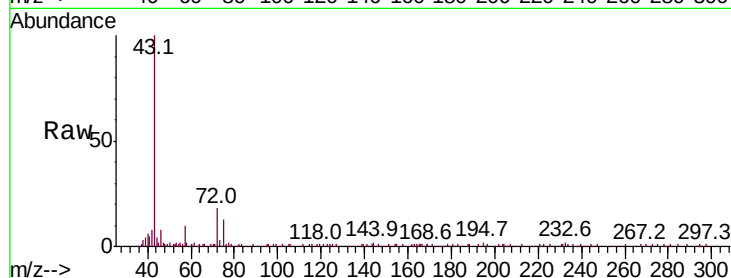
ClientSampleId :

Tot Ion: 43 Resp: 44335

Ion Ratio Lower Upper

43 100

72 24.1 11.9 35.7



#25

Chloroform

Concen: 3.800 ug/L

RT: 7.23 min Scan# 912

Delta R.T. -0.00 min

Lab File: VR025897.D

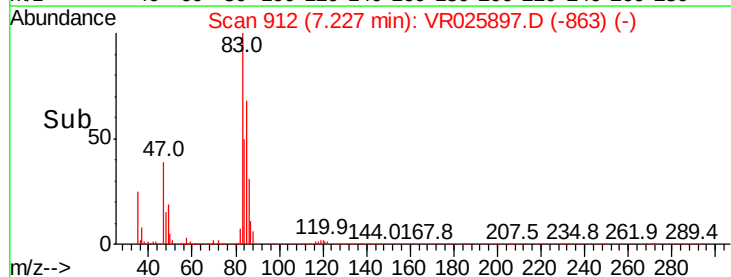
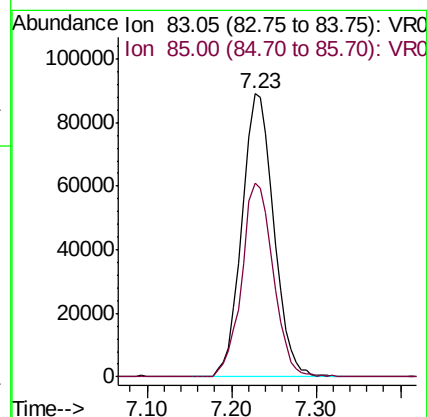
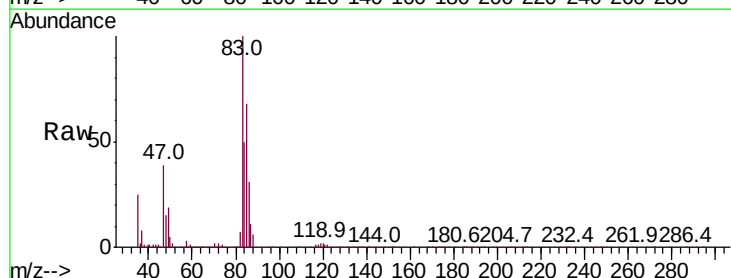
Acq: 28 Sep 2018 13:03

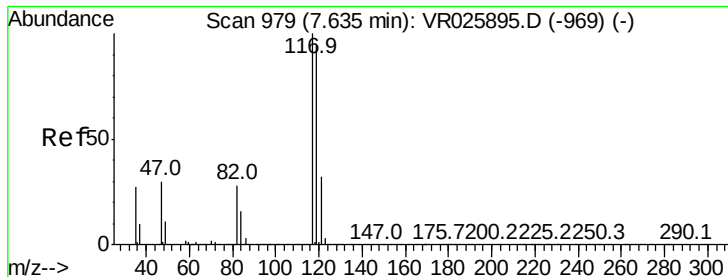
Tgt Ion: 83 Resp: 227323

Ion Ratio Lower Upper

83 100

85 68.2 43.8 81.4





#31

Carbon tetrachloride

Concen: 0.568 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.01 min

Lab File: VR025897.D

Acq: 28 Sep 2018 13:03

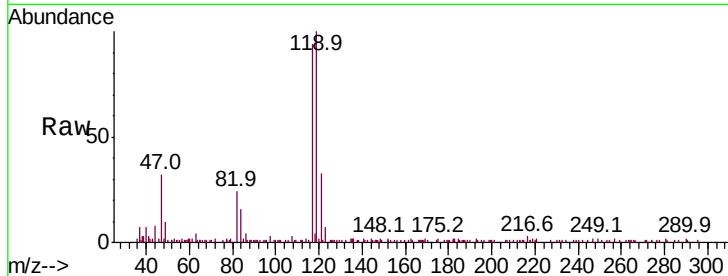
Instrument :
MSVOA_R
ClientSampled :

Tot Ion:117 Resp: 22100

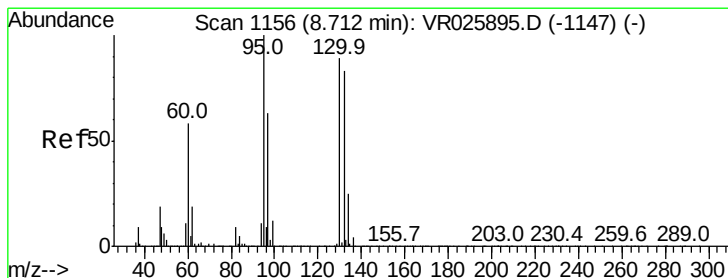
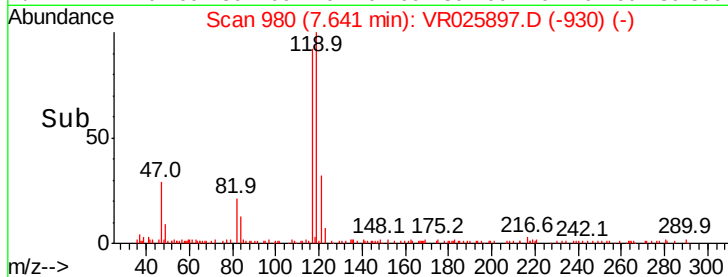
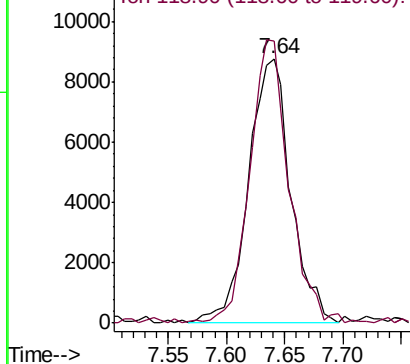
Ion Ratio Lower Upper

117 100

119 99.7 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 0.514 ug/L

RT: 8.46 min Scan# 1115

Delta R.T. -0.25 min

Lab File: VR025897.D

Acq: 28 Sep 2018 13:03

Tgt Ion: 95 Resp: 18122

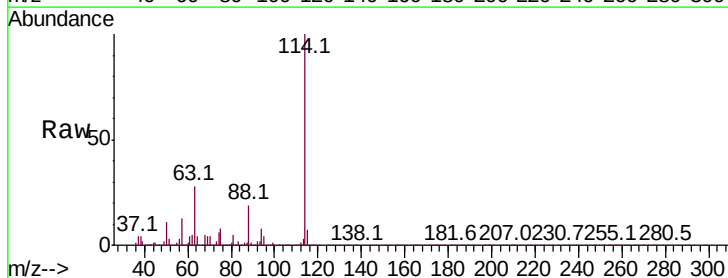
Ion Ratio Lower Upper

95 100

97 1.2 43.9 81.5#

132 0.6 53.3 98.9#

130 1.0 53.8 99.8#

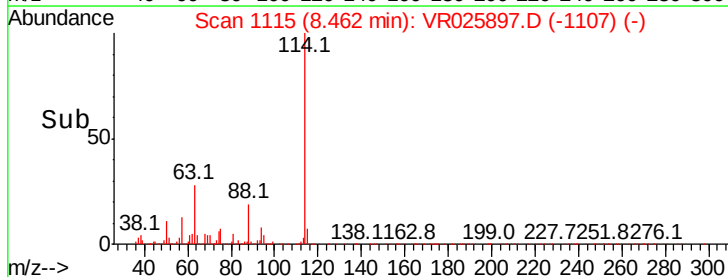
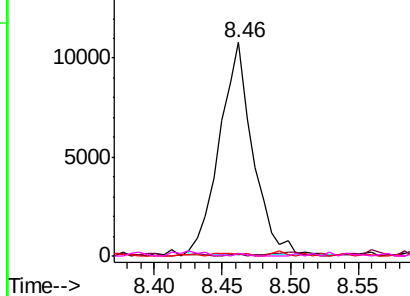


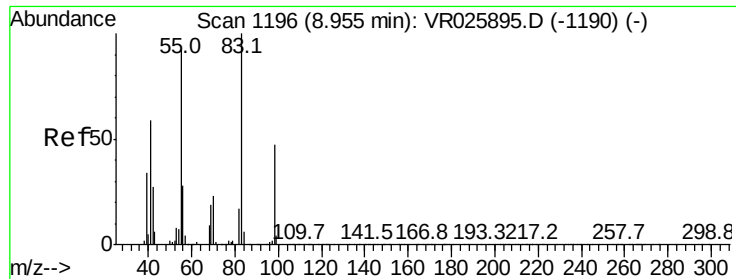
Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

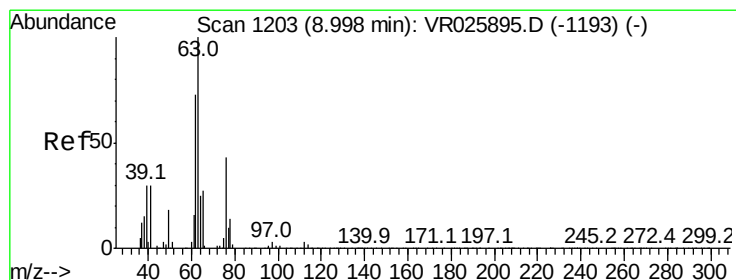
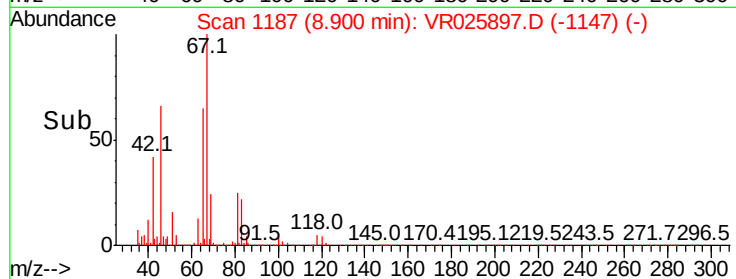
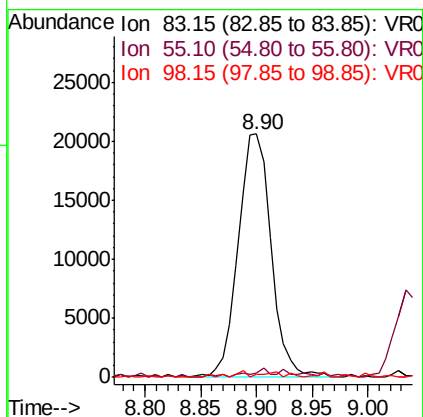
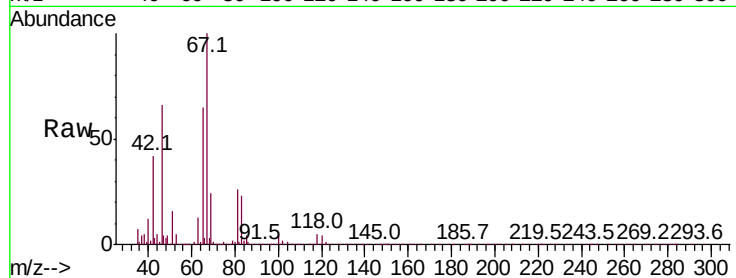




#35
Methylcyclohexane
Concen: 0.801 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.05 min
Lab File: VR025897.D
Acq: 28 Sep 2018 13:03

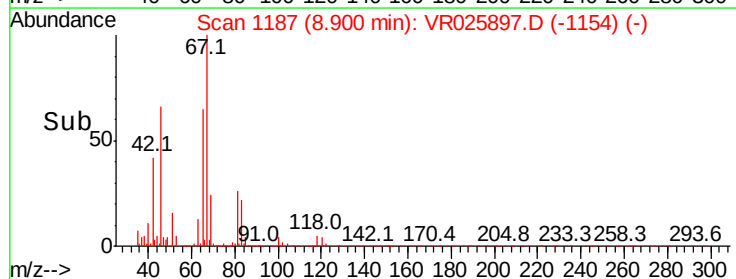
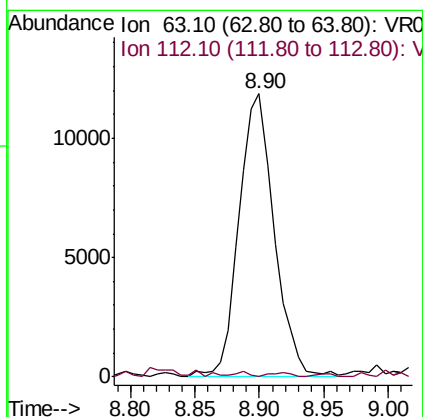
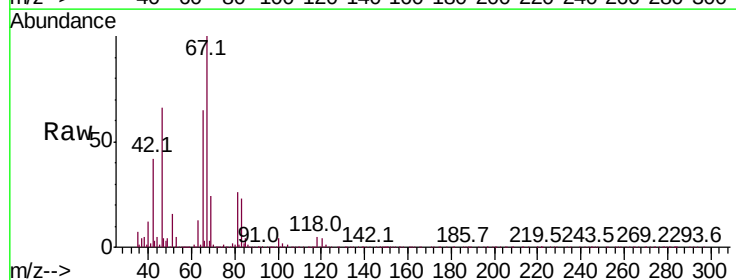
Instrument :
MSVOA_R
ClientSampled :

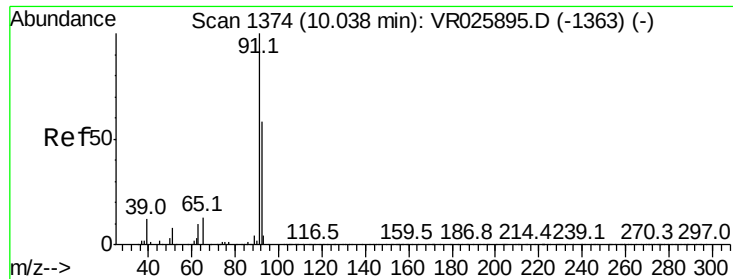
Tot Ion: 83 Resp: 42513
Ion Ratio Lower Upper
83 100
55 2.4 71.8 107.6#
98 0.7 34.2 51.4#



#37
1,2-Dichloropropane
Concen: 0.783 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.10 min
Lab File: VR025897.D
Acq: 28 Sep 2018 13:03

Tgt Ion: 63 Resp: 22485
Ion Ratio Lower Upper
63 100
112 0.7 2.5 3.7#





#42

Toluene

Concen: 0.170 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.01 min

Lab File: VR025897.D

Acq: 28 Sep 2018 13:03

Instrument :

MSVOA_R

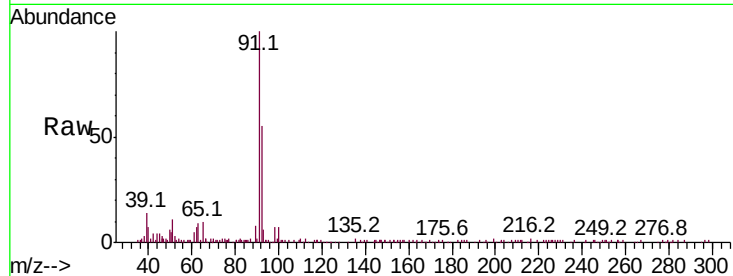
ClientSampleId :

Tot Ion: 91 Resp: 23615

Ion Ratio Lower Upper

91 100

92 55.4 41.8 77.6



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0

10.03

15000

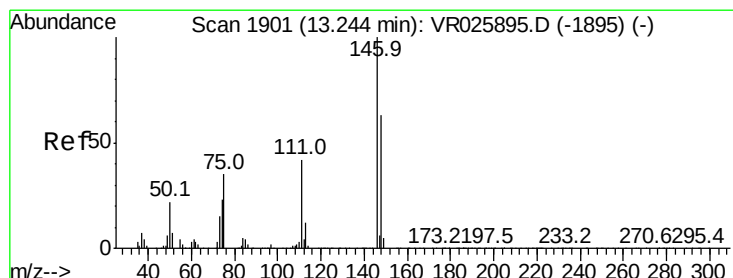
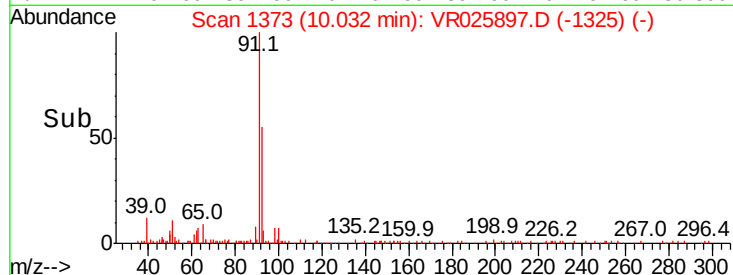
10000

5000

0

Time-->

10.00 10.05 10.10



#63

1,4-Dichlorobenzene

Concen: 0.089 ug/L

RT: 13.24 min Scan# 1900

Delta R.T. -0.01 min

Lab File: VR025897.D

Acq: 28 Sep 2018 13:03

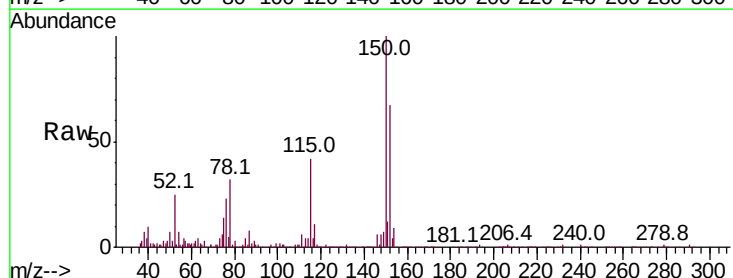
Tgt Ion: 146 Resp: 3658

Ion Ratio Lower Upper

146 100

111 94.4 32.9 61.1#

148 95.1 45.5 84.5#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

3000

2500

2000

1500

1000

500

0

Time-->

13.20 13.25 13.30

