

Data File : VR026332.D
Acq On : 15 Feb 2019 16:18
Operator : SY/MD
Sample : K1488-16
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
ESXF2

Quant Time: Feb 16 03:24:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Feb 16 03:20:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	514935	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	418177	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	141439	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	236178	5.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.60%
7) Chloroethane-d5	2.63	69	191242	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.60%
11) 1,1-Dichloroethene-d2	3.61	63	422046	3.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.80%
20) 2-Butanone-d5	6.59	46	157987	52.77	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.54%
24) Chloroform-d	7.20	84	345908	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	7.89	65	133401	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	7.85	84	706064	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	8.90	67	172837	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	9.97	98	640831	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	10.23	79	38004	3.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.20%
46) 2-Hexanone-d5	10.59	63	119569	53.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.92%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	64073	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	13.52	152	127191	5.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.40%

Target Compounds

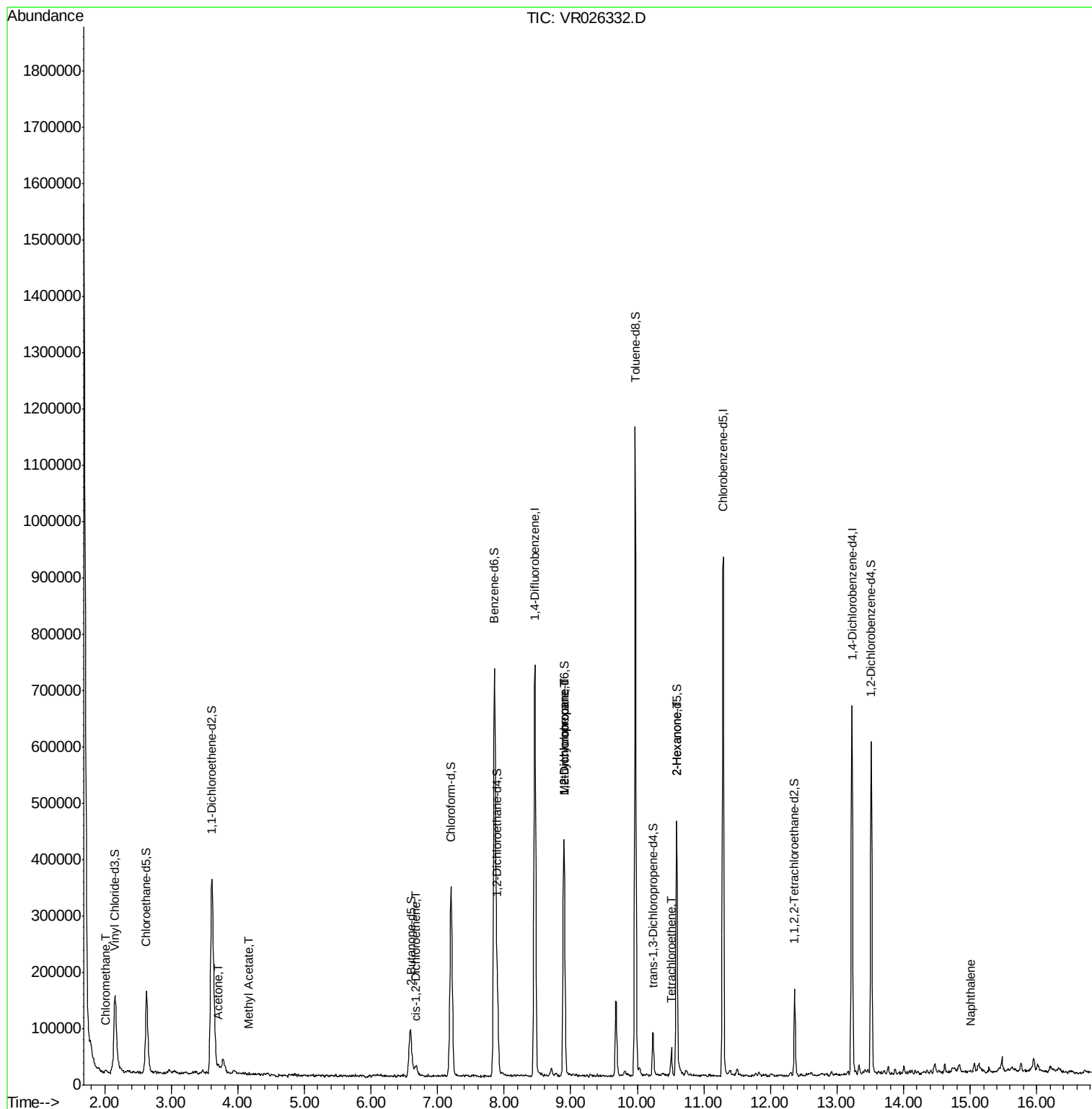
					Qvalue
3) Chloromethane	2.01	50	5159	0.095 ug/L	85
13) Acetone	3.70	43	22745	7.204 ug/L	97
15) Methyl Acetate	4.16	43	1594	0.183 ug/L #	77
22) cis-1,2-Dichloroethene	6.67	96	8565	0.238 ug/L #	66
35) Methylcyclohexane	8.89	83	42353	0.714 ug/L #	17
37) 1,2-Dichloropropane	8.89	63	22322	0.625 ug/L #	90
47) Tetrachloroethene	10.51	164	9394	0.287 ug/L	92
48) 2-Hexanone	10.59	43	20981	3.789 ug/L #	72
69) Naphthalene	15.00	128	1303	0.091 ug/L #	88

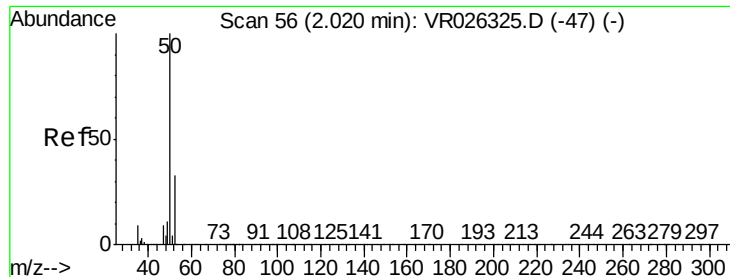
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.095 ug/L

RT: 2.01 min Scan# 54

Delta R.T. -0.01 min

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Acq: 15 Feb 2019 16:18

Instrument :

MSVOA_R

ClientSampleId :

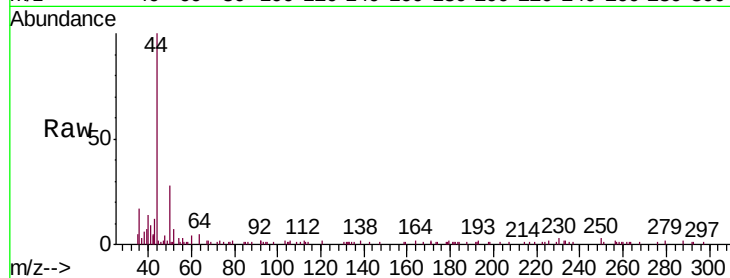
ESXF2

Tgt Ion: 50 Resp: 5159

Ion Ratio Lower Upper

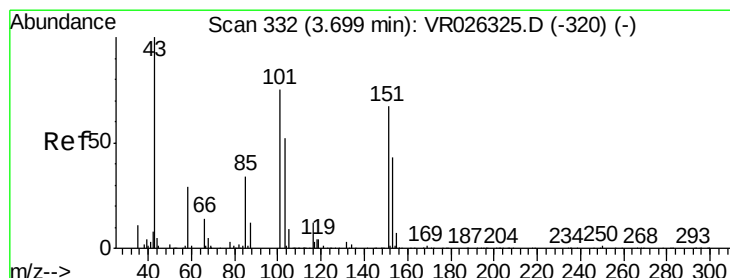
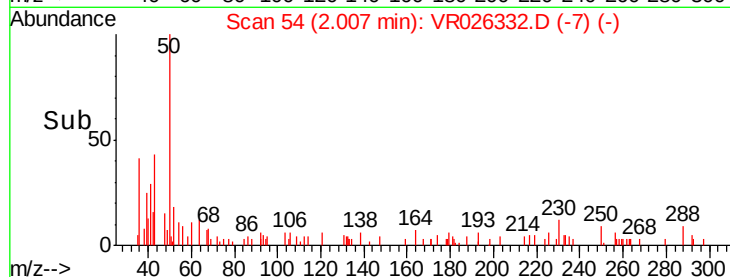
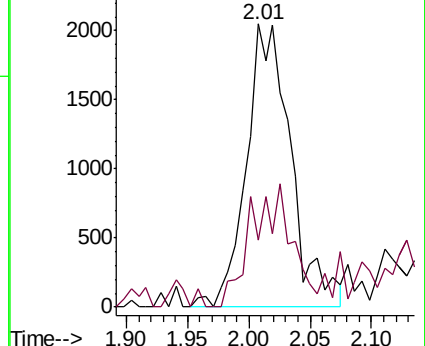
50 100

52 23.7 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0



#13

Acetone

Concen: 7.204 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

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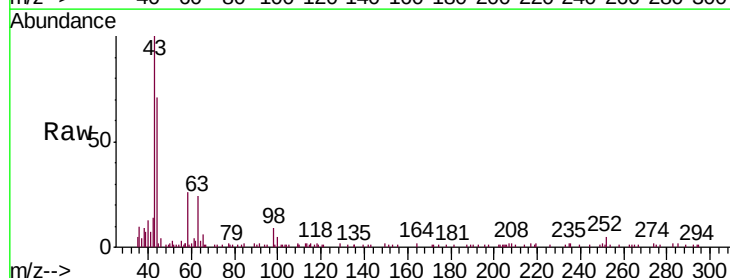
Acq: 15 Feb 2019 16:18

Tgt Ion: 43 Resp: 22745

Ion Ratio Lower Upper

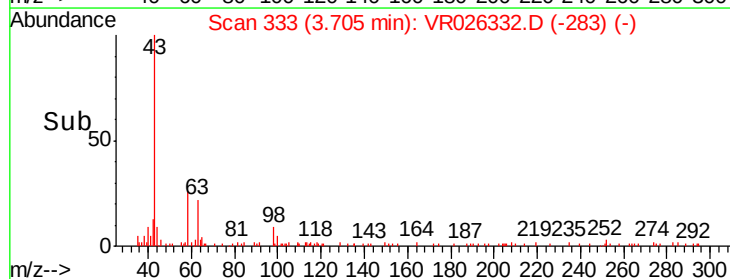
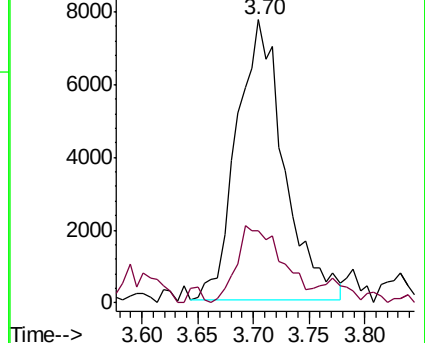
43 100

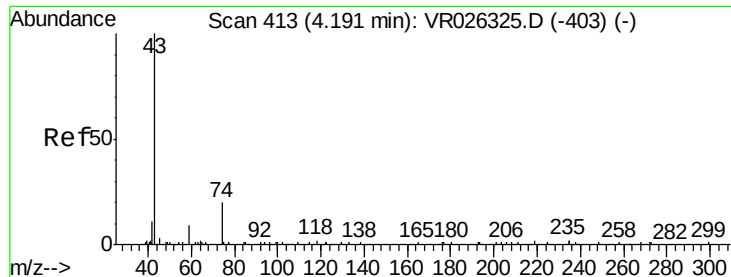
58 26.8 0.0 56.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0





#15

Methyl Acetate

Concen: 0.183 ug/L

RT: 4.16 min Scan# 408

Delta R.T. -0.03 min

Lab File: VR026332.D

Acq: 15 Feb 2019 16:18

Instrument :

MSVOA_R

ClientSampled :

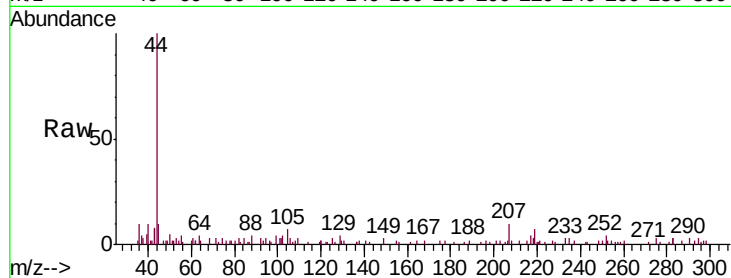
ESXF2

Tgt Ion: 43 Resp: 1594

Ion Ratio Lower Upper

43 100

74 12.0 18.4 27.6#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0

800

600

400

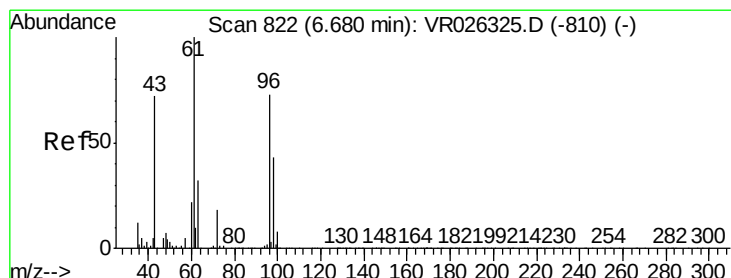
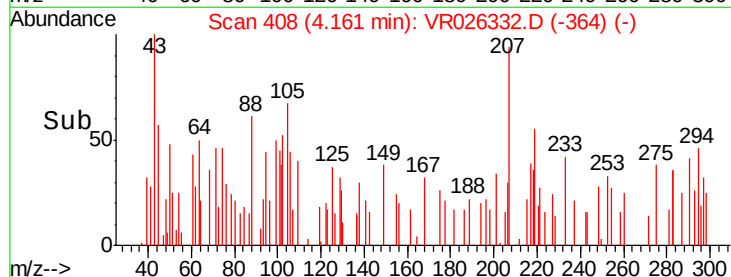
200

0

4.10 4.15 4.20

4.16

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.238 ug/L

RT: 6.67 min Scan# 820

Delta R.T. -0.01 min

Lab File: VR026332.D

Acq: 15 Feb 2019 16:18

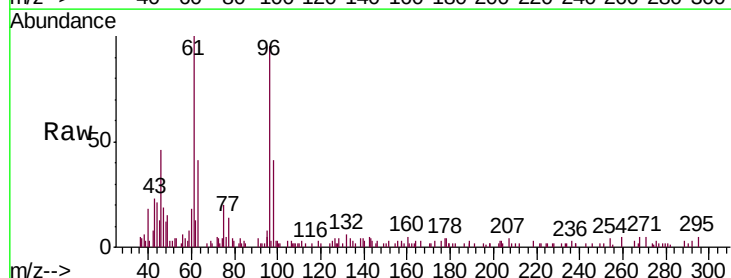
Tgt Ion: 96 Resp: 8565

Ion Ratio Lower Upper

96 100

61 105.0 103.3 191.9

68 0.0 0.1 0.3#



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 68.15 (67.85 to 68.85): VR0

5000

4000

3000

2000

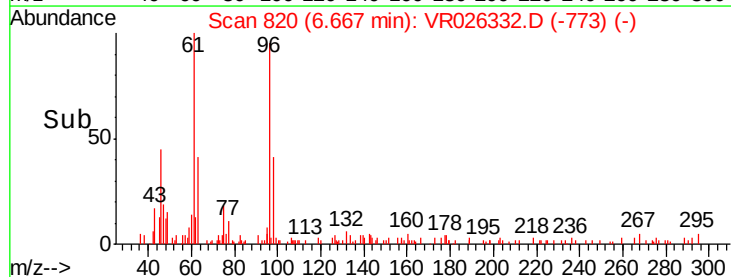
1000

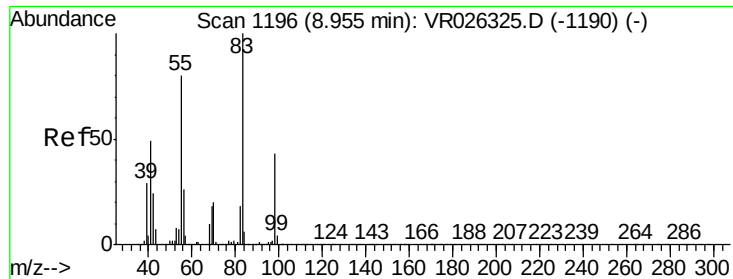
0

6.60 6.65 6.70 6.75

6.67

Time-->

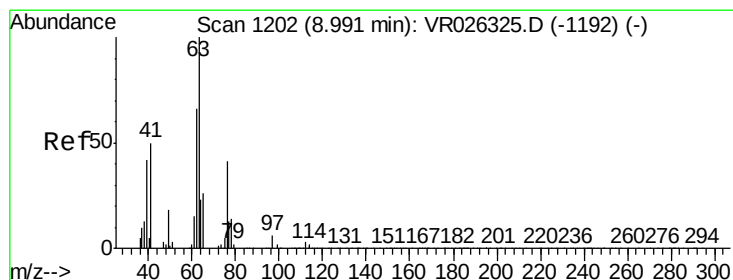
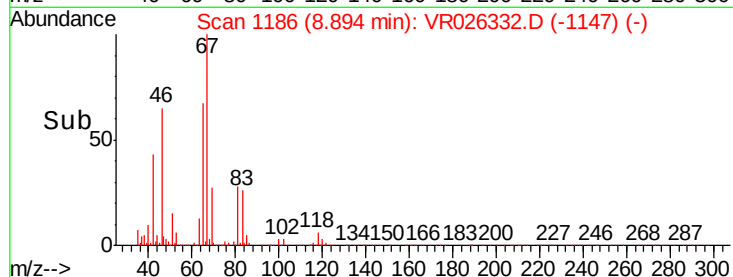
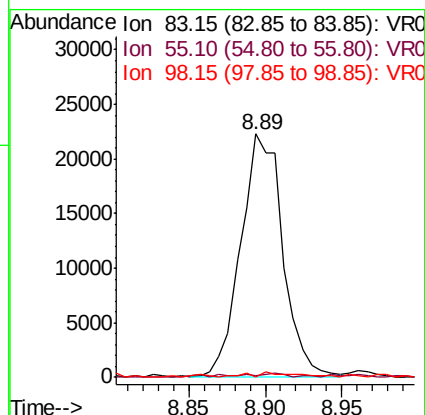
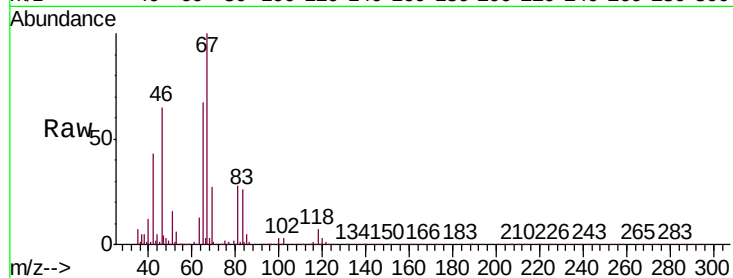




#35
Methylcyclohexane
Concen: 0.714 ug/L
RT: 8.89 min Scan# 1186
Delta R.T. -0.06 min
Lab File: VR026332.D
Acq: 15 Feb 2019 16:18

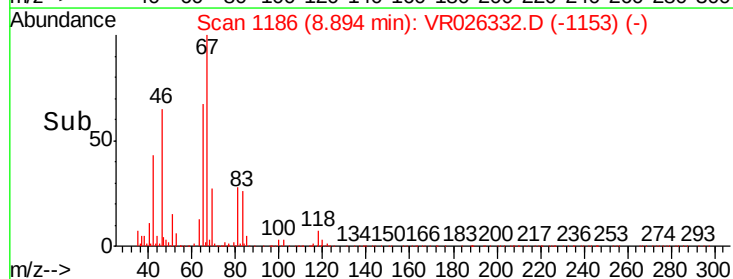
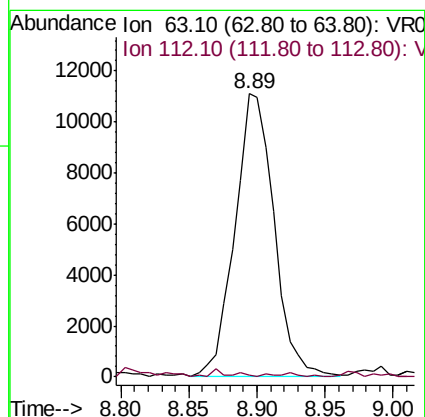
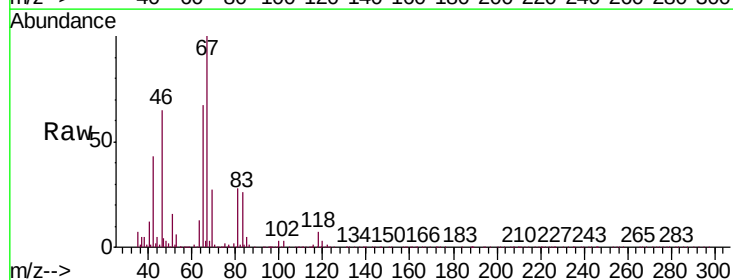
Instrument :
MSVOA_R
ClientSampleId :
ESXF2

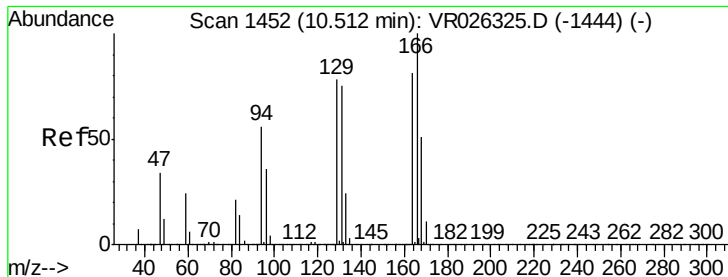
Tgt Ion	Ratio	Lower	Upper
83	100		
55	1.5	68.8	103.2#
98	1.6	36.3	54.5#



#37
1,2-Dichloropropane
Concen: 0.625 ug/L
RT: 8.89 min Scan# 1186
Delta R.T. -0.10 min
Lab File: VR026332.D
Acq: 15 Feb 2019 16:18

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.9	3.3	4.9#





#47

Tetrachloroethene

Concen: 0.287 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR026332.D

Acq: 15 Feb 2019 16:18

Instrument :

MSVOA_R

ClientSampled :

ESXF2

Tgt Ion:164 Resp: 9394

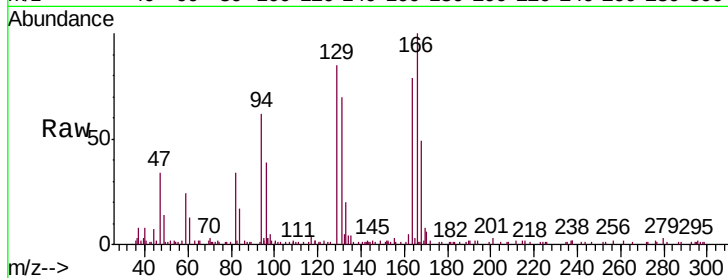
Ion Ratio Lower Upper

164 100

129 108.6 71.5 132.9

131 88.9 72.8 135.2

166 127.2 93.4 173.4

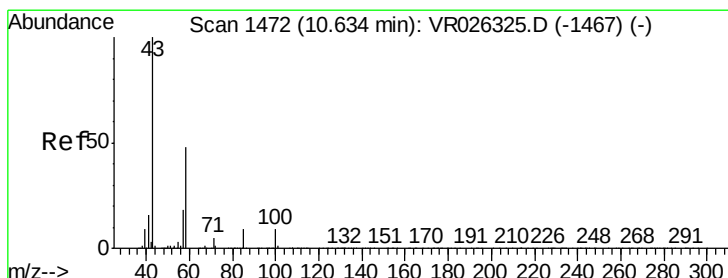
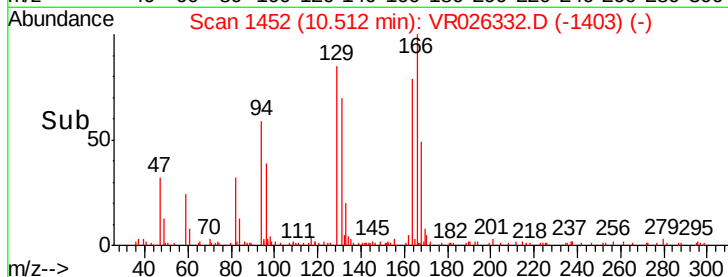
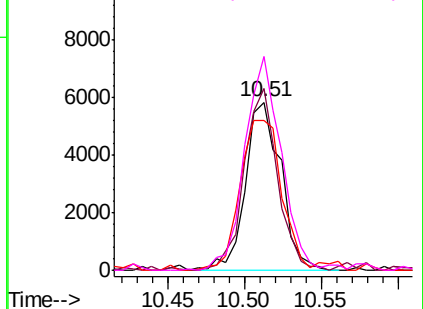


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 3.789 ug/L

RT: 10.59 min Scan# 1465

Delta R.T. -0.04 min

Lab File: VR026332.D

Acq: 15 Feb 2019 16:18

Tgt Ion: 43 Resp: 20981

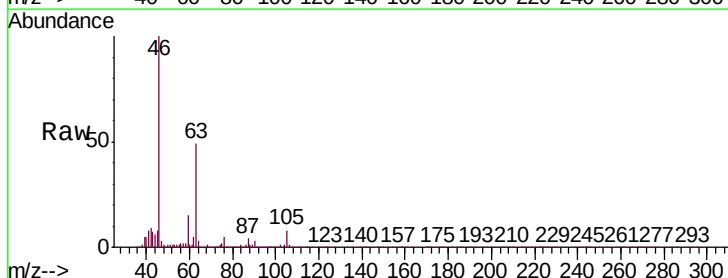
Ion Ratio Lower Upper

43 100

58 28.4 41.2 61.8#

57 26.5 13.8 20.8#

100 4.8 7.8 11.6#

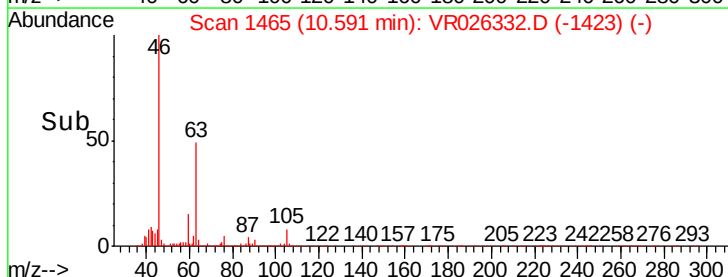
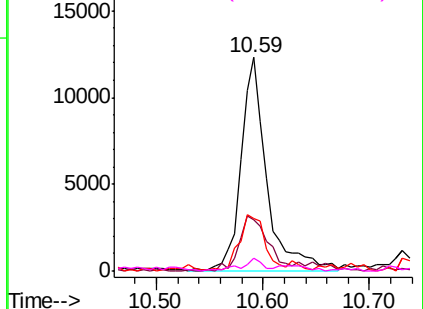


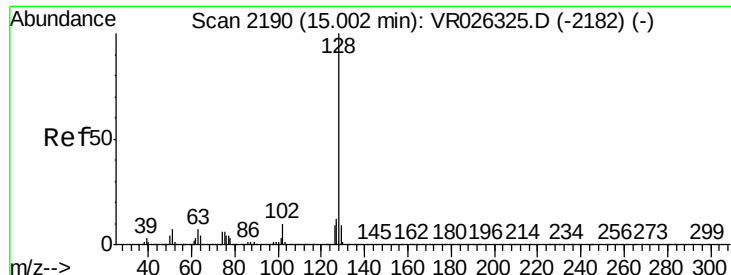
Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 57.20 (56.90 to 57.90): VR0

Ion 100.15 (99.85 to 100.85): VR0





#69

Naphthalene

Concen: 0.091 ug/L

RT: 15.00 min Scan# 2189

Delta R.T. -0.01 min

Lab File: VR026332.D

Acq: 15 Feb 2019 16:18

Instrument :

MSVOA_R

ClientSampleId :

ESXF2

Tgt Ion:128 Resp: 1303

Ion Ratio Lower Upper

128 100

127 17.2 11.7 17.5

129 19.7 9.6 14.4#

