

Data File : VR026419.D
Acq On : 28 Feb 2019 15:11
Operator : SY/MD
Sample : K1588-20
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
C09M1

Quant Time: Mar 01 06:34:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR022219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 06:30:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	443577	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	354203	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	109026	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	193384	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	2.62	69	163543	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	3.60	63	381014	3.74	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.80%
20) 2-Butanone-d5	6.59	46	190061	60.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.02%
24) Chloroform-d	7.20	84	376346	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	7.89	65	154395	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	7.85	84	655112	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	8.89	67	177198	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.00%
41) Toluene-d8	9.97	98	580736	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	10.23	79	38925	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
46) 2-Hexanone-d5	10.59	63	147321	65.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.12%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	63594	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	113915	6.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.00%#

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	12357	0.356 ug/L	96
12) 1,1-Dichloroethene	3.63	96	5052	0.130 ug/L #	1
13) Acetone	3.70	43	13507	4.741 ug/L	75
15) Methyl Acetate	4.17	43	1390	0.172 ug/L #	67
19) 1,1-Dichloroethane	5.69	63	31603	0.488 ug/L	96
22) cis-1,2-Dichloroethene	6.67	96	44638	1.504 ug/L #	87
25) Chloroform	7.23	83	330487	5.322 ug/L	89
27) 1,2-Dichloroethane	7.98	62	5876	0.200 ug/L #	90
29) 1,1,1-Trichloroethane	7.44	97	12929	0.252 ug/L #	88
31) Carbon tetrachloride	7.64	117	111668	2.340 ug/L	99
34) Trichloroethene	8.71	95	110471	3.226 ug/L	96
35) Methylcyclohexane	8.89	83	43852	0.903 ug/L #	16
37) 1,2-Dichloropropane	8.99	63	3978	0.138 ug/L #	89
42) Toluene	10.04	91	25201	0.184 ug/L	87
47) Tetrachloroethene	10.51	164	44540	1.794 ug/L	98
48) 2-Hexanone	10.59	43	24840	4.548 ug/L #	70
49) Dibromochloromethane	10.51	129	40707	2.742 ug/L #	14

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR022819\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 06:30:52 2019
Response via : Initial Calibration

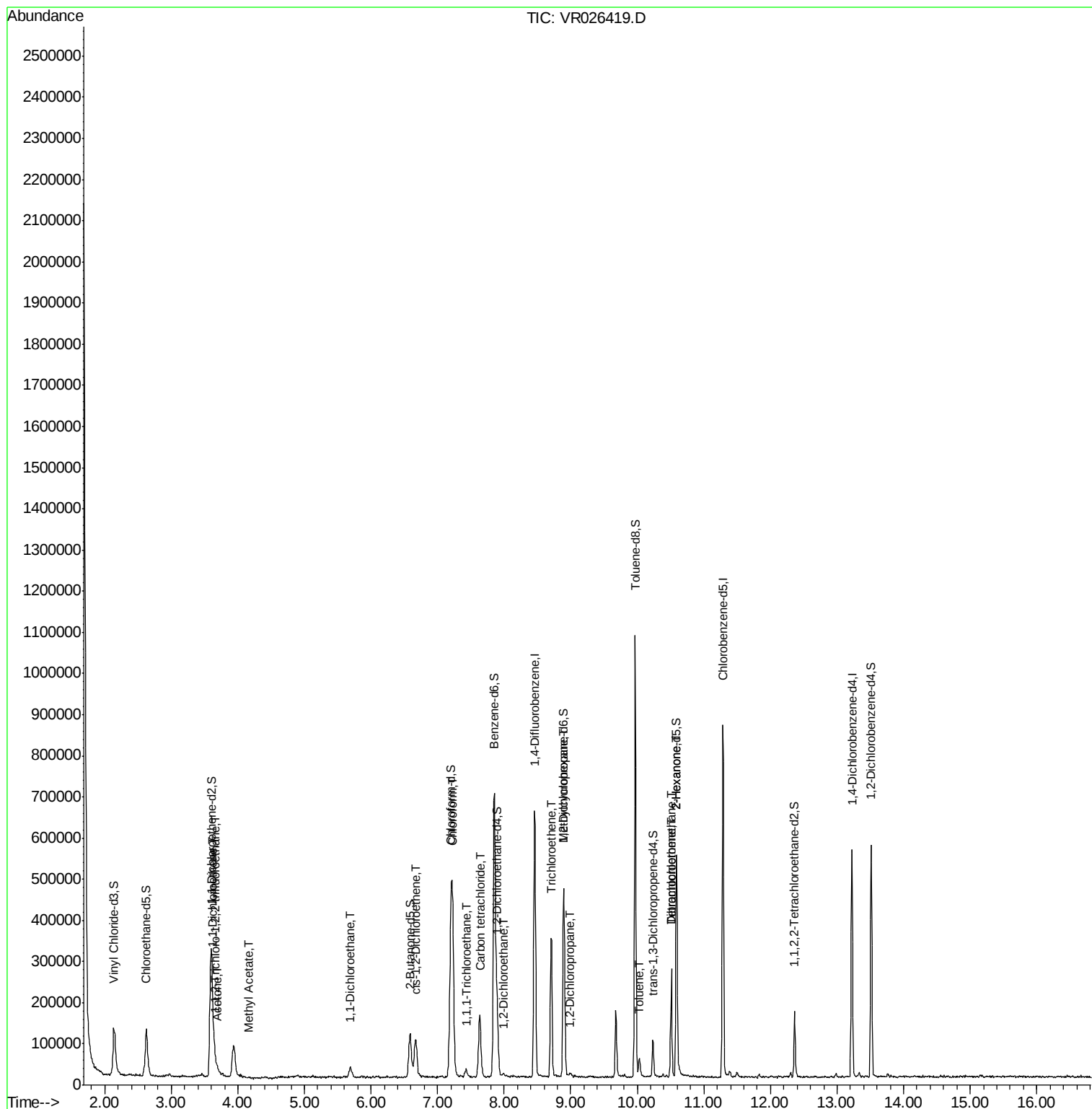
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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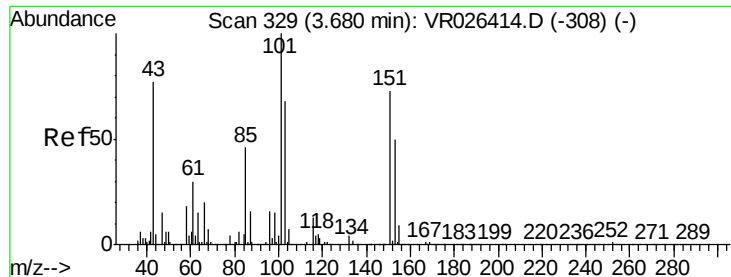
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.356 ug/L

RT: 3.67 min Scan# 327

Delta R.T. -0.01 min

Lab File: VR026419.D

Acq: 28 Feb 2019 15:11

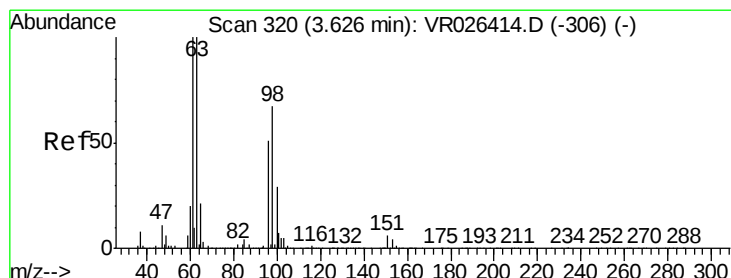
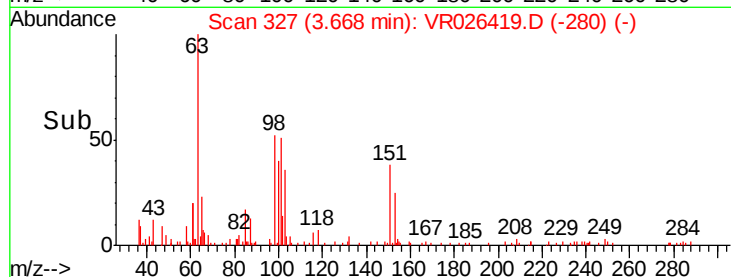
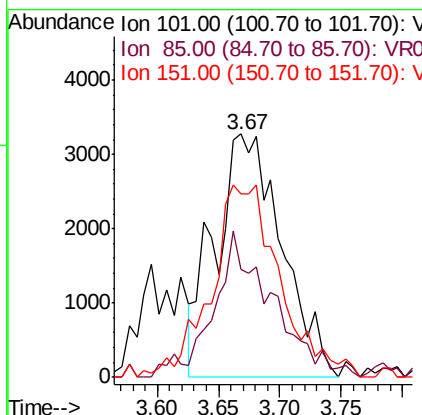
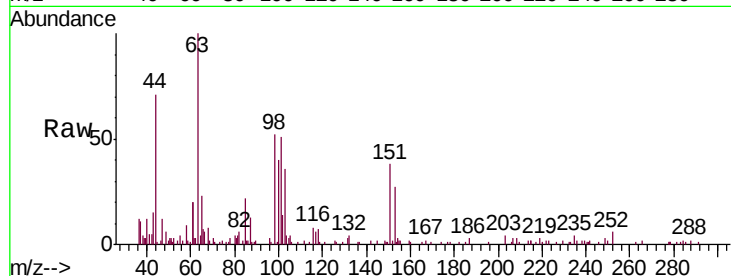
Instrument :

MSVOA_R

ClientSampled :

C09M1

Tgt Ion:	101	Resp:	12357
Ion Ratio	Lower	Upper	
101	100		
85	50.1	39.8	59.8
151	80.9	60.8	91.2



#12

1,1-Dichloroethene

Concen: 0.130 ug/L

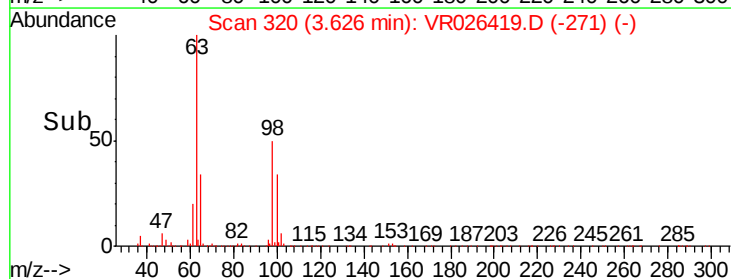
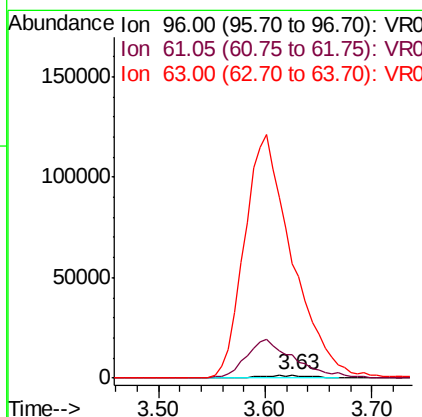
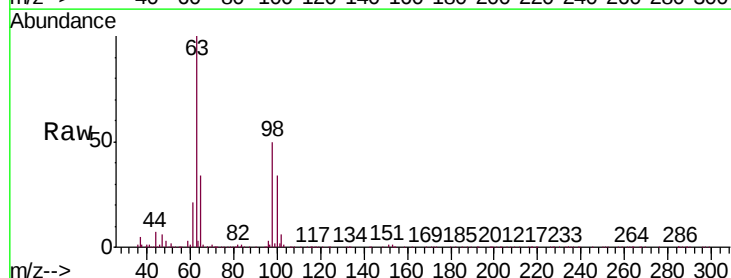
RT: 3.63 min Scan# 320

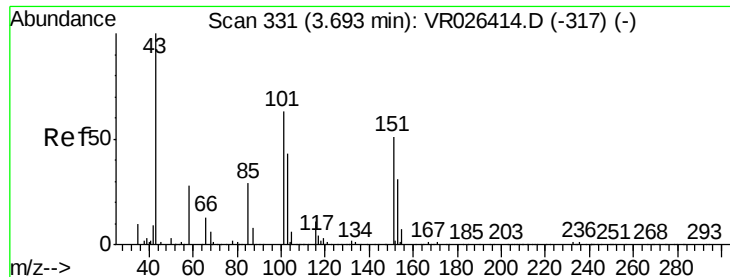
Delta R.T. 0.00 min

Lab File: VR026419.D

Acq: 28 Feb 2019 15:11

Tgt Ion:	96	Resp:	5052
Ion Ratio	Lower	Upper	
96	100		
61	705.5	135.9	252.5#
63	3433.7	136.6	253.6#





#13

Acetone

Concen: 4.741 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.01 min

Lab File: VR026419.D

Acq: 28 Feb 2019 15:11

Instrument :

MSVOA_R

ClientSampled :

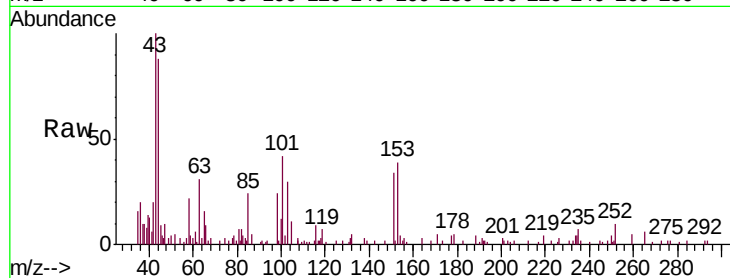
C09M1

Tgt Ion: 43 Resp: 13507

Ion Ratio Lower Upper

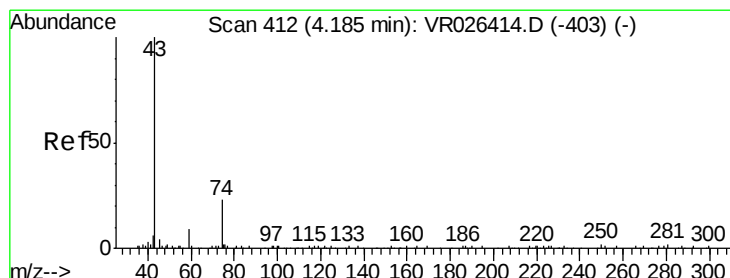
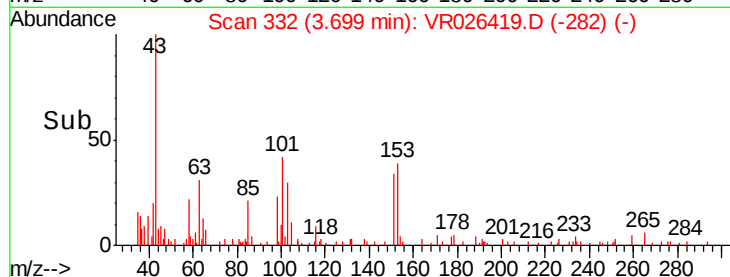
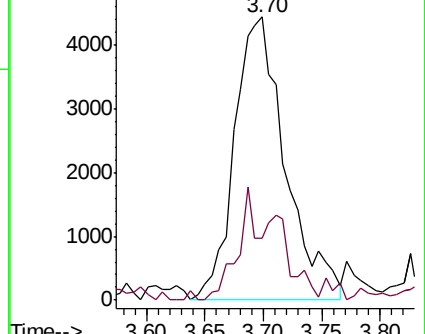
43 100

58 13.2 0.0 52.2



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#15

Methyl Acetate

Concen: 0.172 ug/L

RT: 4.17 min Scan# 409

Delta R.T. -0.02 min

Lab File: VR026419.D

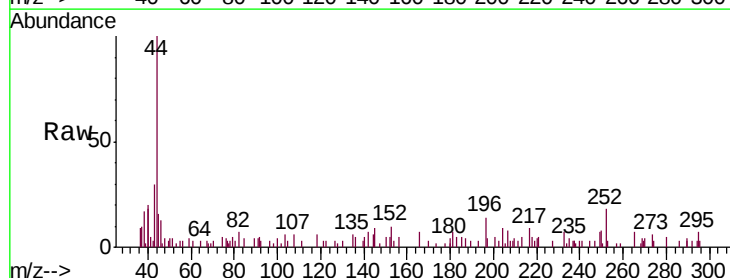
Acq: 28 Feb 2019 15:11

Tgt Ion: 43 Resp: 1390

Ion Ratio Lower Upper

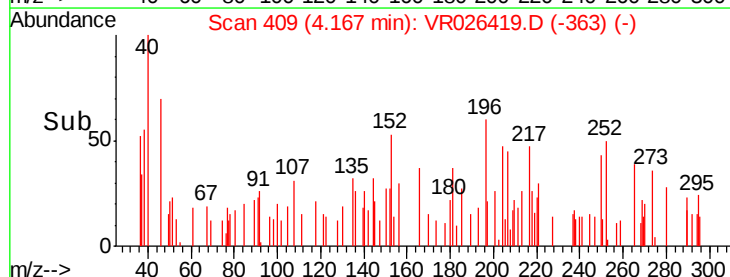
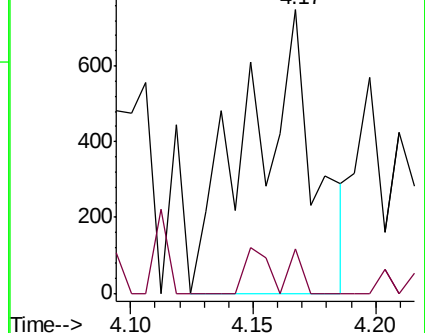
43 100

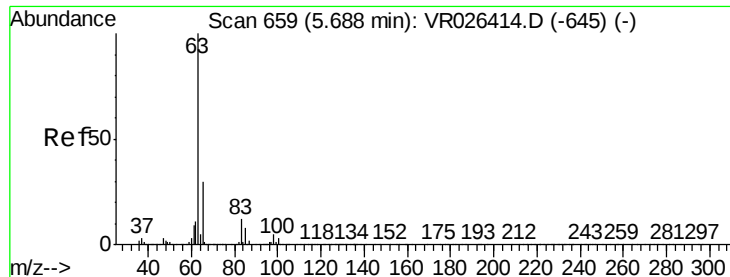
74 5.6 16.6 25.0#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0





#19

1,1-Dichloroethane

Concen: 0.488 ug/L

RT: 5.69 min Scan# 659

Delta R.T. 0.00 min

Lab File: VR026419.D

Acq: 28 Feb 2019 15:11

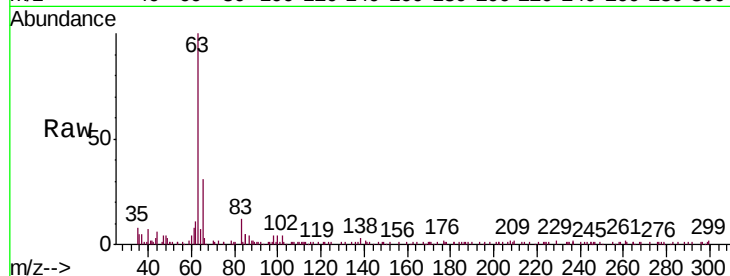
Instrument :

MSVOA_R

ClientSampleId :

C09M1

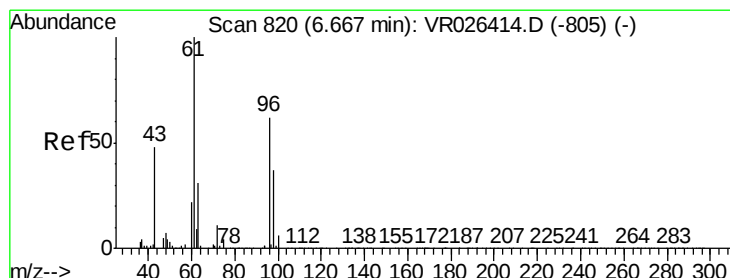
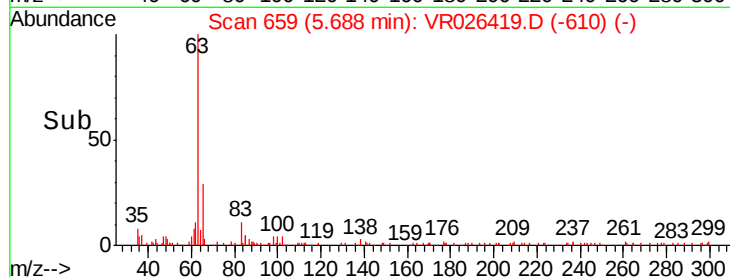
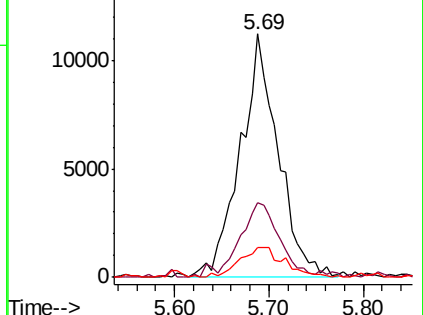
Tgt Ion:	63	Resp:	31603
Ion	Ratio	Lower	Upper
63	100		
65	30.5	23.6	43.8
83	12.4	8.8	16.4



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#22

cis-1,2-Dichloroethene

Concen: 1.504 ug/L

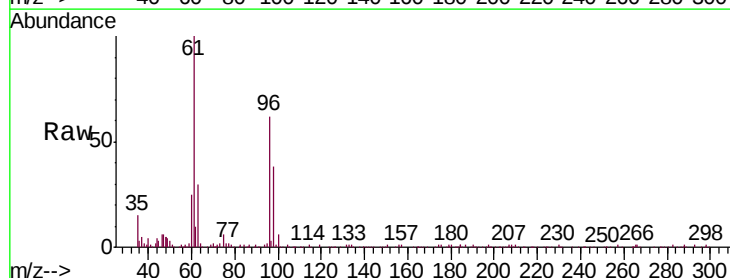
RT: 6.67 min Scan# 820

Delta R.T. 0.00 min

Lab File: VR026419.D

Acq: 28 Feb 2019 15:11

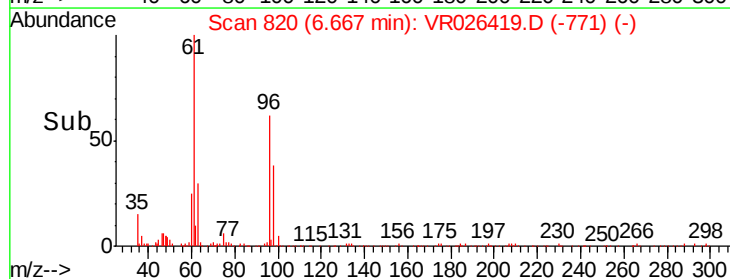
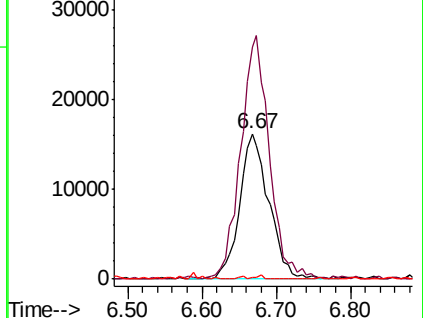
Tgt Ion:	96	Resp:	44638
Ion	Ratio	Lower	Upper
96	100		
61	160.3	100.8	187.2
68	1.4	0.1	0.1#

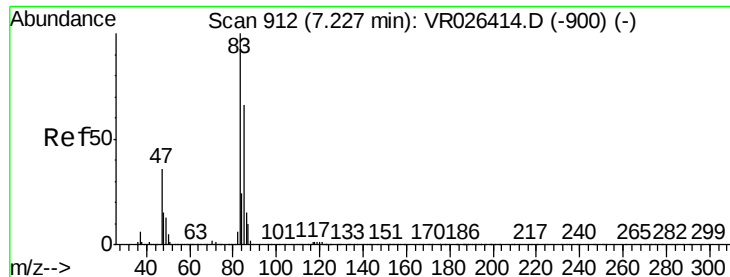


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 68.15 (67.85 to 68.85): VR0

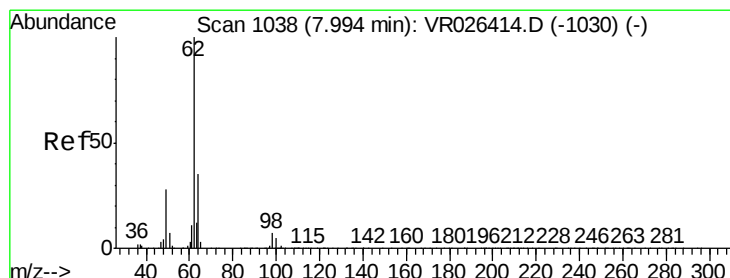
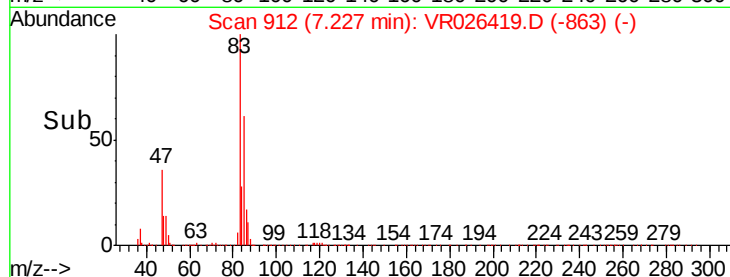
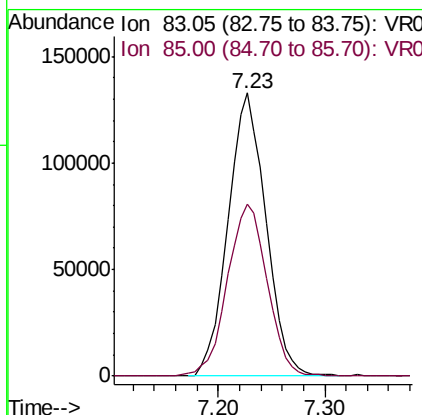
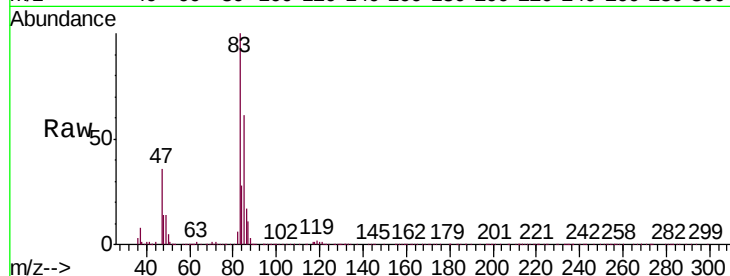




#25
Chloroform
Concen: 5.322 ug/L
RT: 7.23 min Scan# 912
Delta R.T. 0.00 min
Lab File: VR026419.D
Acq: 28 Feb 2019 15:11

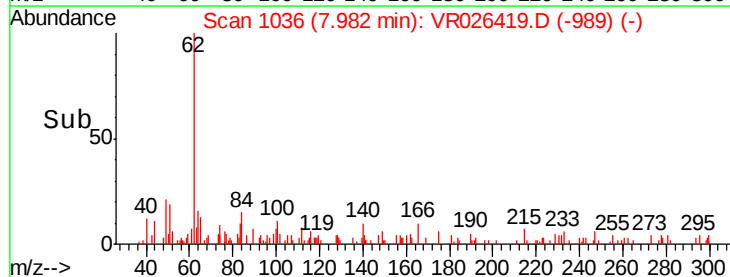
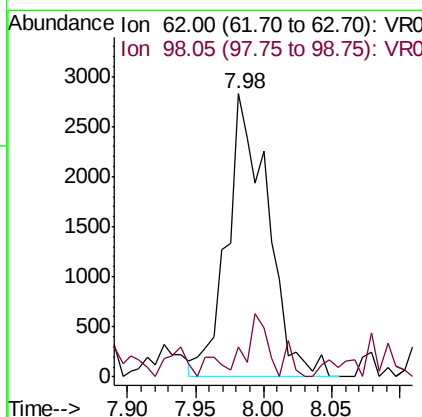
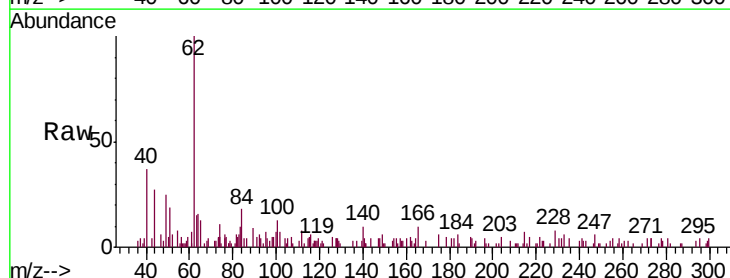
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MSVOA_R
ClientSampled :
C09M1

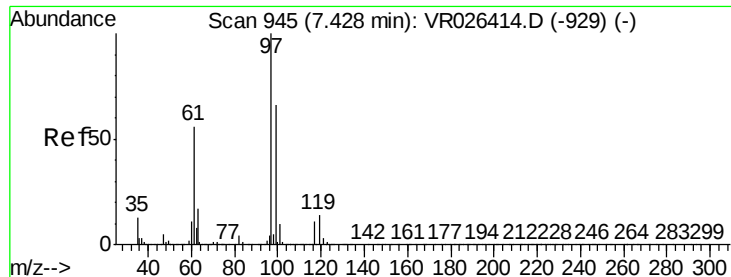
Tgt Ion: 83 Resp: 330487
Ion Ratio Lower Upper
83 100
85 60.6 48.6 90.2



#27
1,2-Dichloroethane
Concen: 0.200 ug/L
RT: 7.98 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VR026419.D
Acq: 28 Feb 2019 15:11

Tgt Ion: 62 Resp: 5876
Ion Ratio Lower Upper
62 100
98 10.7 5.7 8.5#

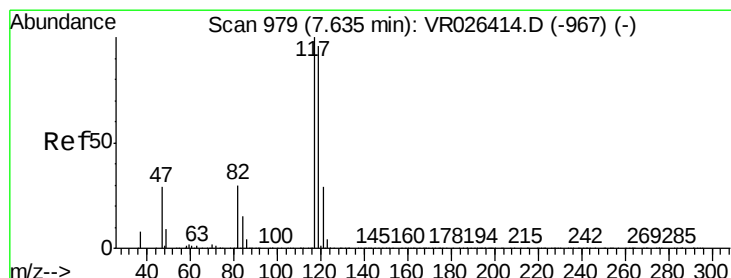
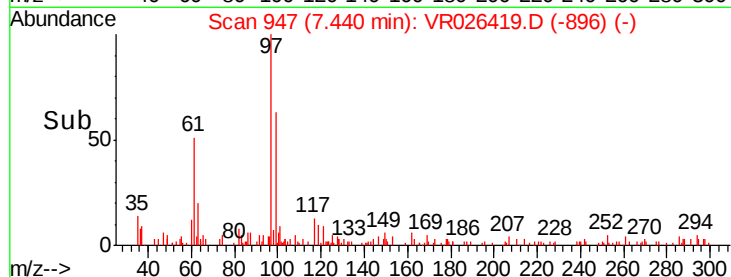
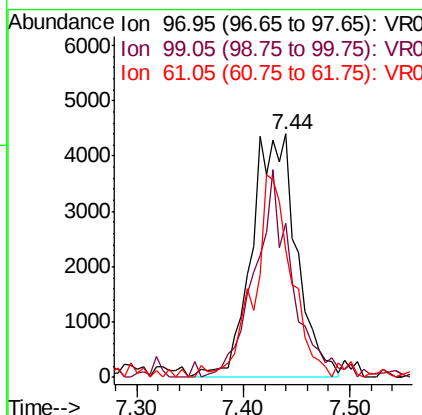
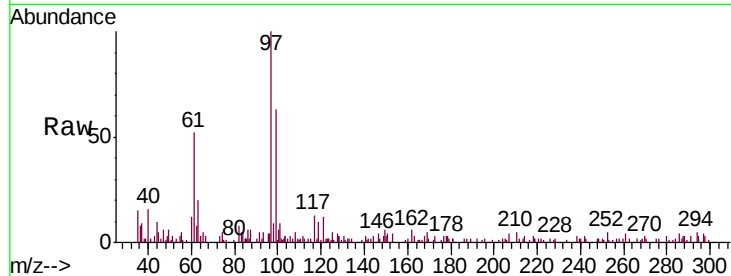




#29
 1,1,1-Trichloroethane
 Concen: 0.252 ug/L
 RT: 7.44 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VR026419.D
 Acq: 28 Feb 2019 15:11

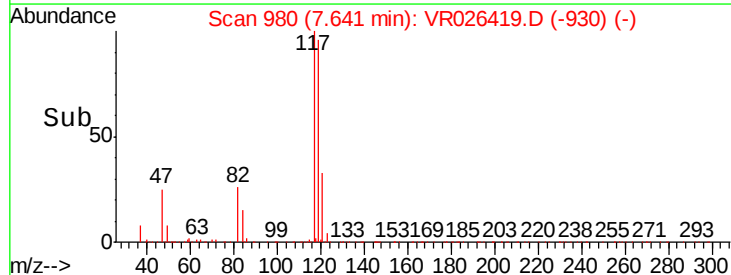
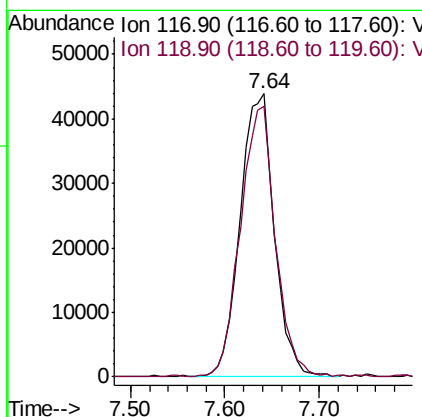
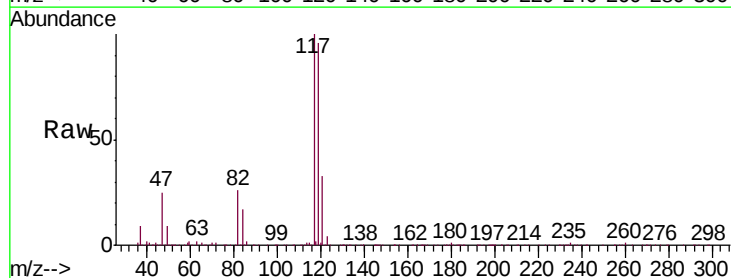
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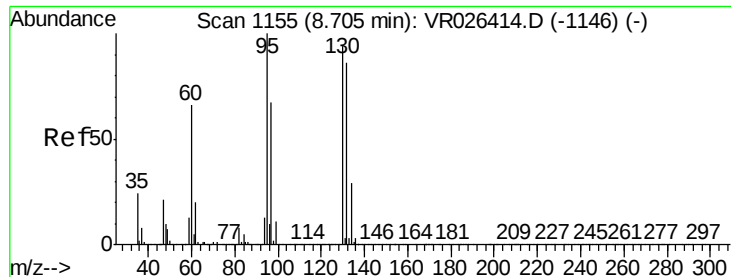
Tgt Ion: 97 Resp: 12929
 Ion Ratio Lower Upper
 97 100
 99 67.8 51.6 77.4
 61 68.1 41.8 62.6#



#31
 Carbon tetrachloride
 Concen: 2.340 ug/L
 RT: 7.64 min Scan# 980
 Delta R.T. 0.01 min
 Lab File: VR026419.D
 Acq: 28 Feb 2019 15:11

Tgt Ion: 117 Resp: 111668
 Ion Ratio Lower Upper
 117 100
 119 97.6 77.0 115.6





#34

Trichloroethene

Concen: 3.226 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VR026419.D

Acq: 28 Feb 2019 15:11

Instrument :

MSVOA_R

ClientSampled :

C09M1

Tgt Ion: 95 Resp: 110471

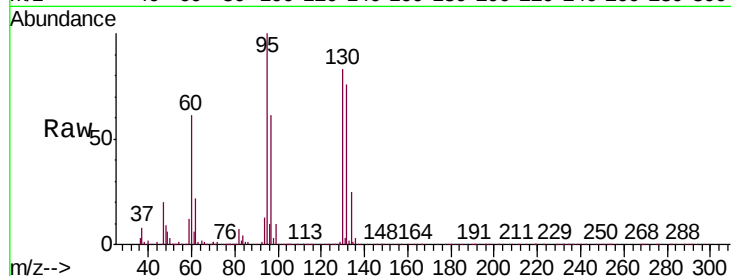
Ion Ratio Lower Upper

95 100

97 61.4 43.5 80.7

132 75.9 58.6 108.8

130 82.7 59.4 110.2

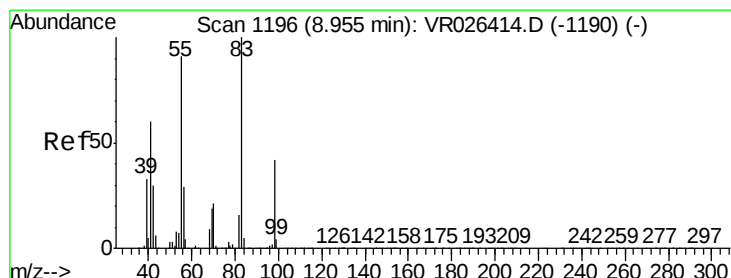
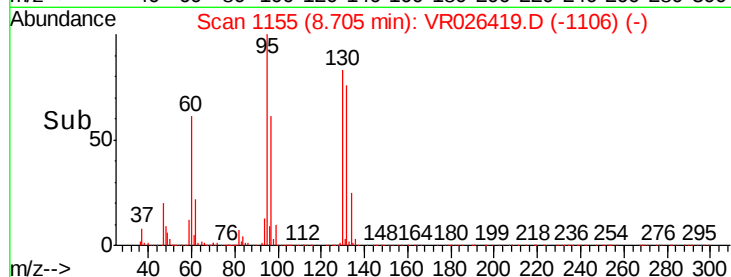
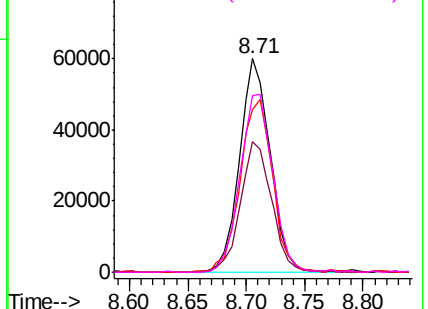


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.903 ug/L

RT: 8.89 min Scan# 1186

Delta R.T. -0.06 min

Lab File: VR026419.D

Acq: 28 Feb 2019 15:11

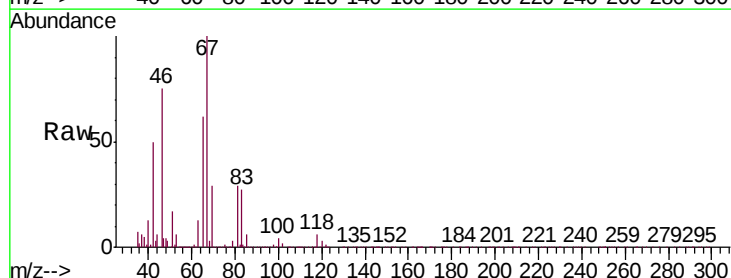
Tgt Ion: 83 Resp: 43852

Ion Ratio Lower Upper

83 100

55 2.3 72.2 108.2#

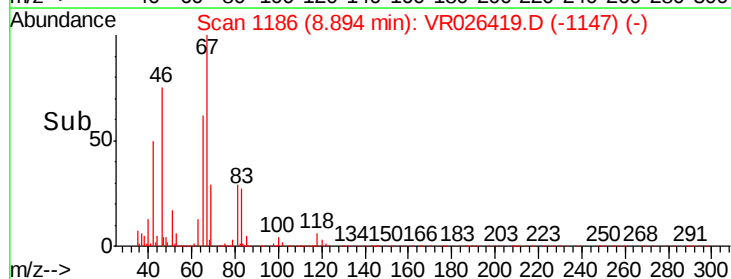
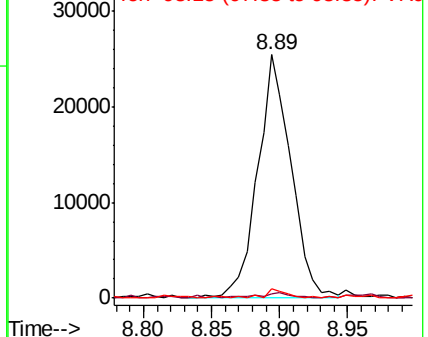
98 2.4 35.0 52.4#

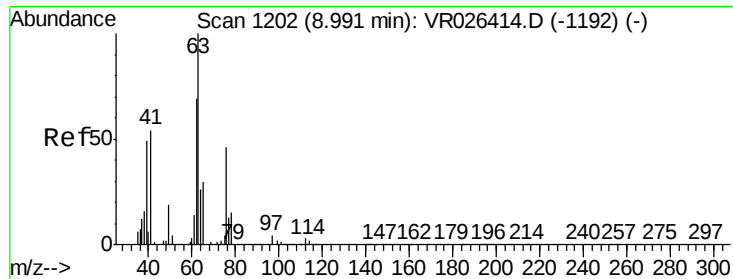


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

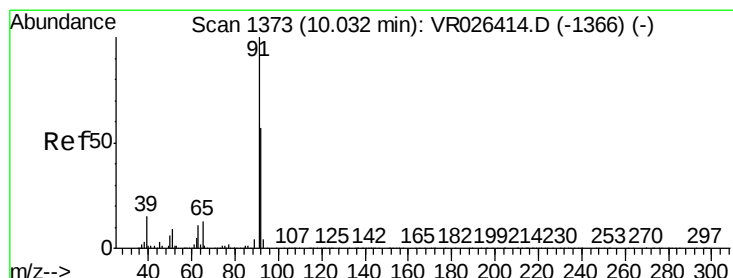
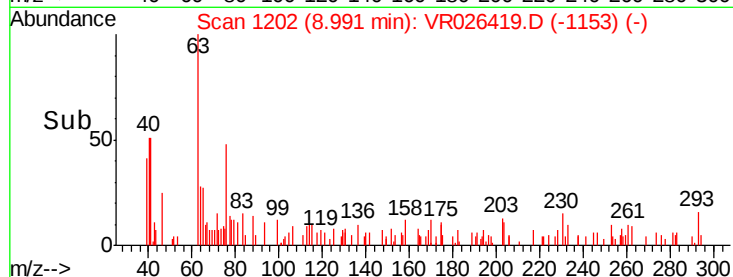
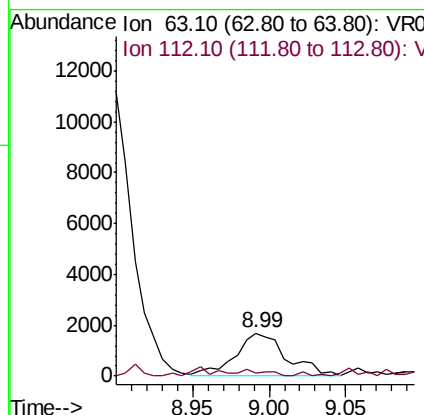
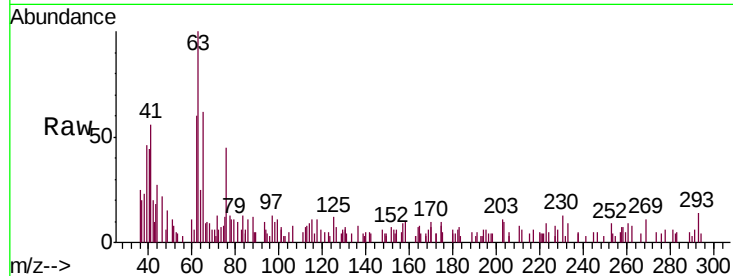




#37
 1,2-Dichloropropane
 Concen: 0.138 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VR026419.D
 Acq: 28 Feb 2019 15:11

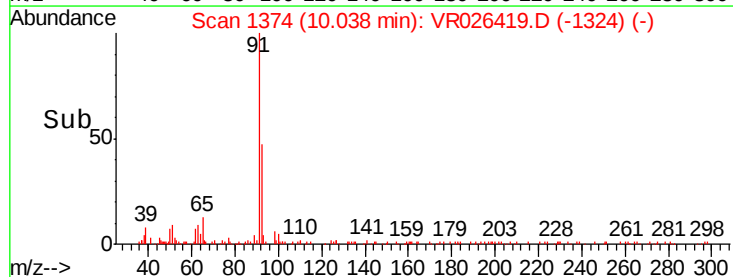
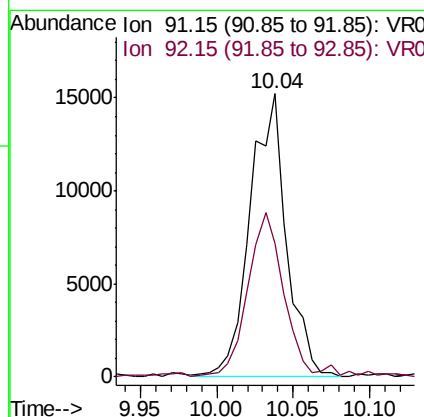
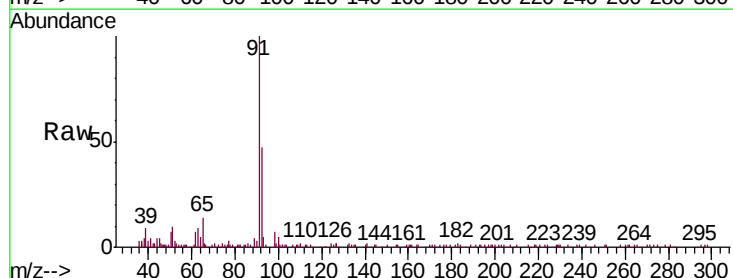
Instrument :
 MSVOA_R
 ClientSampleId :
 C09M1

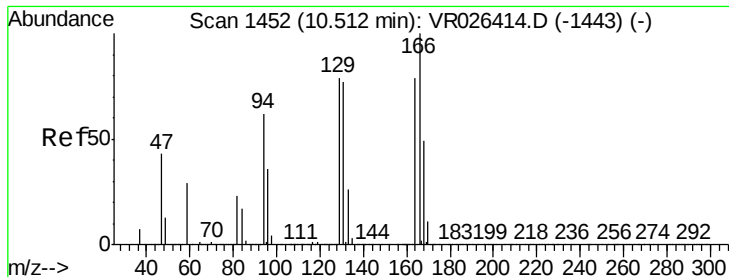
Tgt Ion: 63 Resp: 3978
 Ion Ratio Lower Upper
 63 100
 112 8.2 3.6 5.4#



#42
 Toluene
 Concen: 0.184 ug/L
 RT: 10.04 min Scan# 1374
 Delta R.T. 0.01 min
 Lab File: VR026419.D
 Acq: 28 Feb 2019 15:11

Tgt Ion: 91 Resp: 25201
 Ion Ratio Lower Upper
 91 100
 92 47.0 39.6 73.6

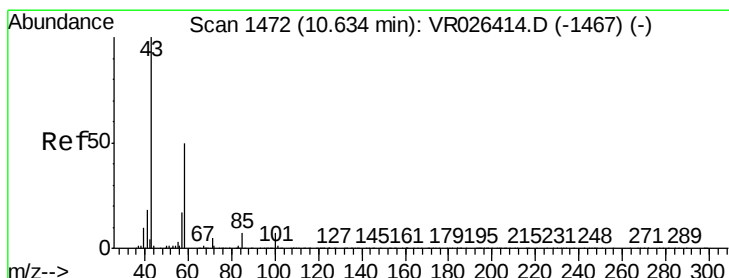
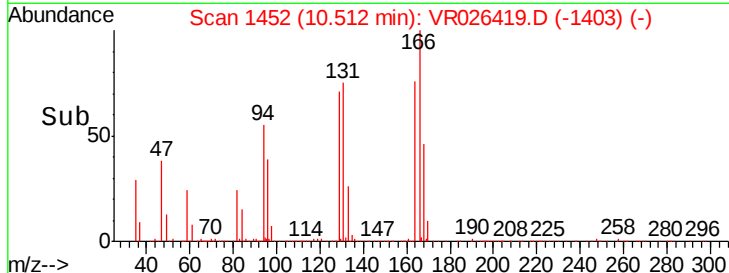
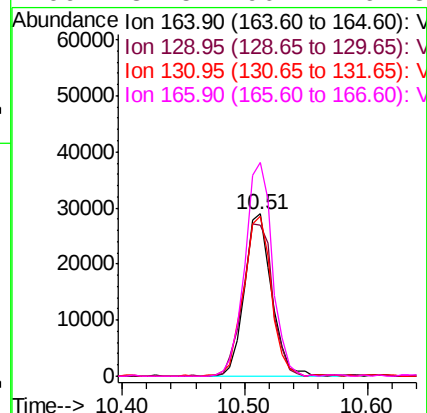
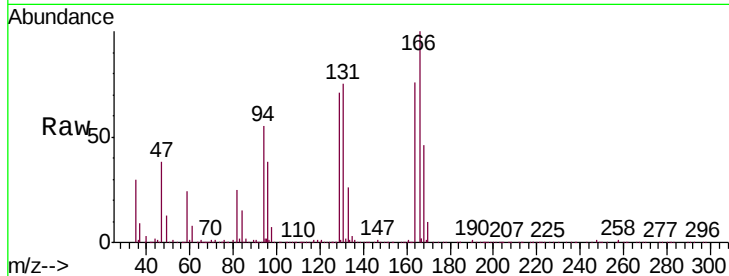




#47
Tetrachloroethene
Concen: 1.794 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VR026419.D
Acq: 28 Feb 2019 15:11

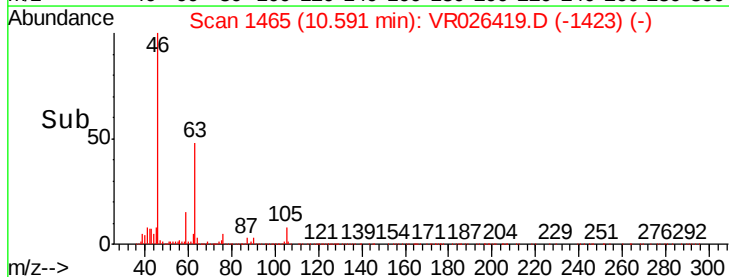
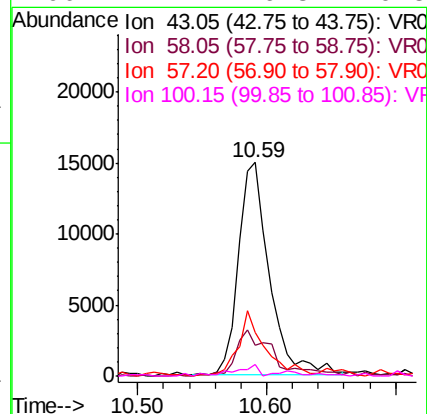
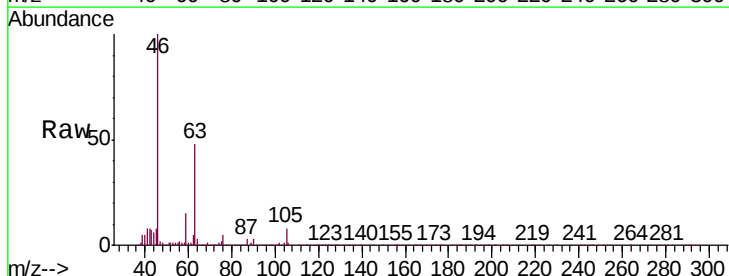
Instrument :
MSVOA_R
ClientSampled :
C09M1

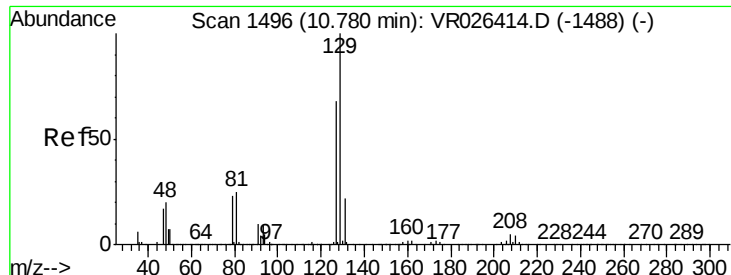
Tgt Ion	Ratio	Lower	Upper
164	100		
129	92.9	67.2	124.8
131	98.3	67.3	125.1
166	131.5	90.4	167.8



#48
2-Hexanone
Concen: 4.548 ug/L
RT: 10.59 min Scan# 1465
Delta R.T. -0.04 min
Lab File: VR026419.D
Acq: 28 Feb 2019 15:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	24.0	38.4	57.6#
57	27.3	13.2	19.8#
100	4.7	6.3	9.5#





#49

Dibromochloromethane

Concen: 2.742 ug/L

RT: 10.51 min Scan# 1451

Delta R.T. -0.27 min

Lab File: VR026419.D

Acq: 28 Feb 2019 15:11

Instrument :

MSVOA_R

ClientSampleId :

C09M1

Tgt Ion:129 Resp: 40707

Ion Ratio Lower Upper

129 100

127 1.2 52.1 96.7#

