

Data File : VR026327.D
Acq On : 15 Feb 2019 13:32
Operator : SY/MD
Sample : K1488-20
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
ESXF7

Quant Time: Feb 16 03:23:18 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	583222	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	451173	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	128527	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	214933	4.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.80%
7) Chloroethane-d5	2.63	69	182300	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	3.60	63	408779	3.20	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.00%
20) 2-Butanone-d5	6.59	46	155275	45.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.58%
24) Chloroform-d	7.20	84	340583	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.20%
26) 1,2-Dichloroethane-d4	7.89	65	130195	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
32) Benzene-d6	7.85	84	721200	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	8.89	67	174991	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.60%
41) Toluene-d8	9.97	98	626289	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	10.24	79	39953	3.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.20%
46) 2-Hexanone-d5	10.59	63	115622	47.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.84%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	56514	3.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	75.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	111077	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

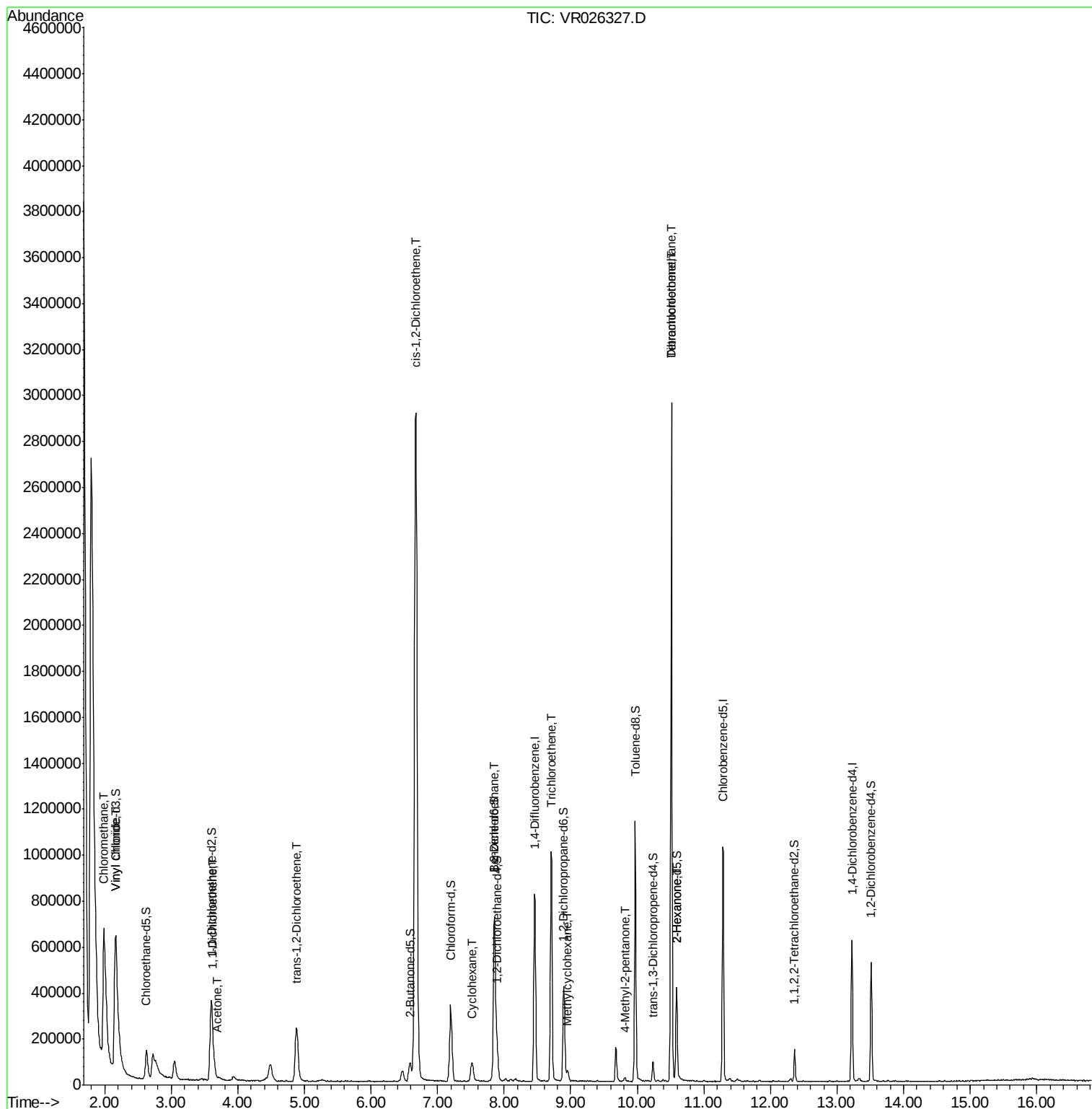
					Qvalue
3) Chloromethane	1.98	50	15032	0.245 ug/L #	77
5) Vinyl chloride	2.17	62	295851	4.786 ug/L	98
12) 1,1-Dichloroethene	3.62	96	8395	0.151 ug/L #	1
13) Acetone	3.69	43	8869	2.480 ug/L	67
18) trans-1,2-Dichloroethene	4.89	96	132888	2.628 ug/L	94
22) cis-1,2-Dichloroethene	6.67	96	1737373	42.591 ug/L #	94
27) 1,2-Dichloroethane	7.86	62	5001	0.137 ug/L	99
30) Cyclohexane	7.51	56	39665	0.667 ug/L	98
34) Trichloroethene	8.71	95	322054	6.997 ug/L	99
35) Methylcyclohexane	8.95	83	13340	0.208 ug/L #	81
40) 4-Methyl-2-pentanone	9.81	43	7042	0.793 ug/L #	54
47) Tetrachloroethene	10.51	164	530213	15.012 ug/L	95
48) 2-Hexanone	10.59	43	19057	3.190 ug/L #	65
49) Dibromochloromethane	10.51	129	416534	20.136 ug/L #	13

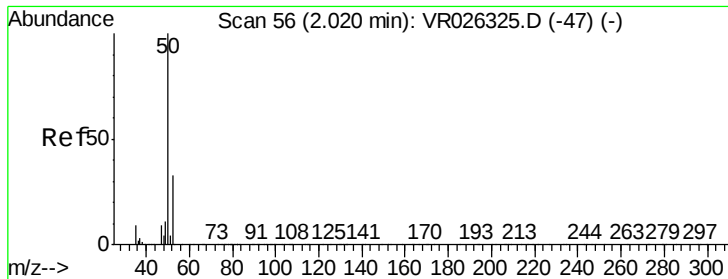
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.245 ug/L

RT: 1.98 min Scan# 50

Delta R.T. -0.04 min

Lab File: VR026327.D

Acq: 15 Feb 2019 13:32

Instrument :

MSVOA_R

ClientSampled :

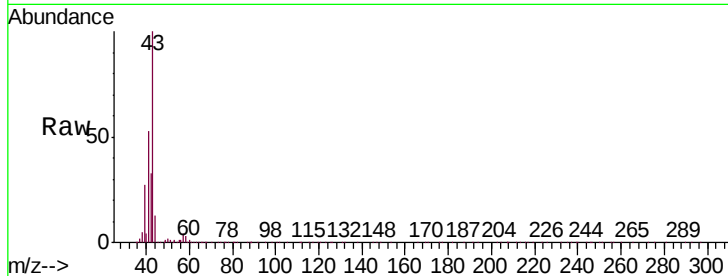
ESXF7

Tgt Ion: 50 Resp: 15032

Ion Ratio Lower Upper

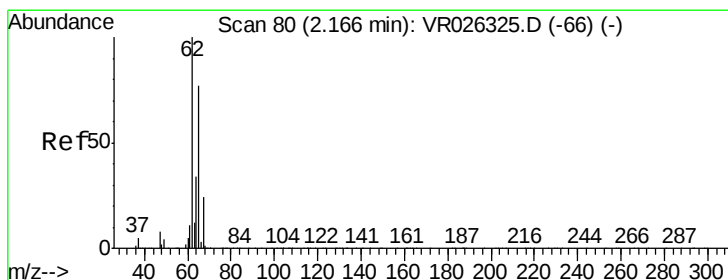
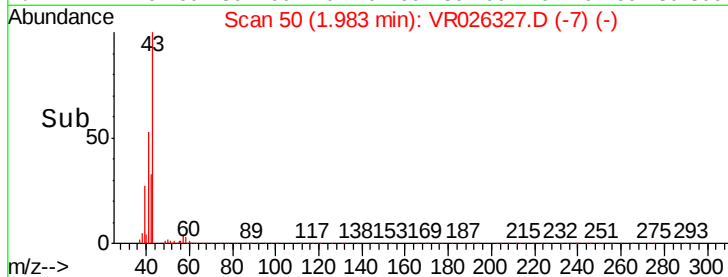
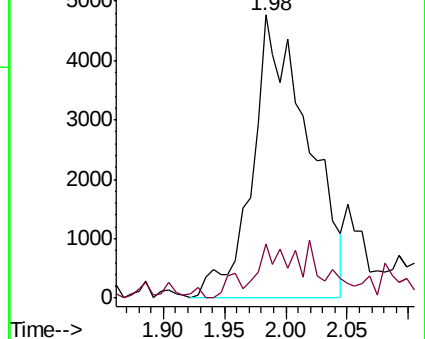
50 100

52 19.2 22.3 41.5#



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0



#5

Vinyl chloride

Concen: 4.786 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.00 min

Lab File: VR026327.D

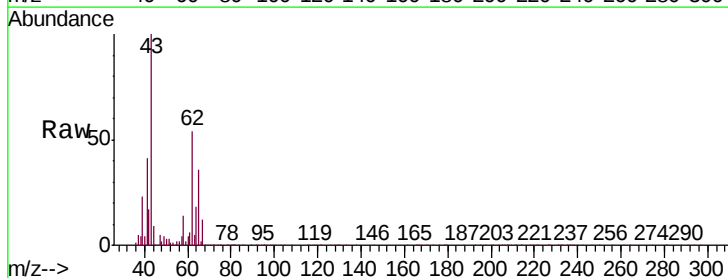
Acq: 15 Feb 2019 13:32

Tgt Ion: 62 Resp: 295851

Ion Ratio Lower Upper

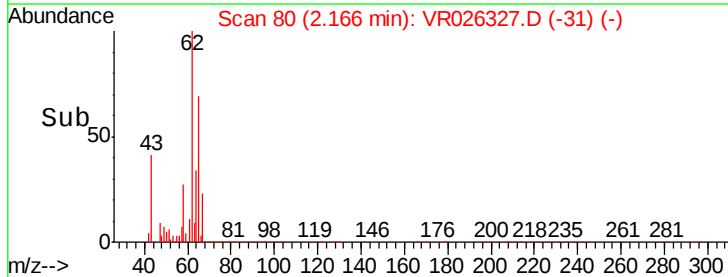
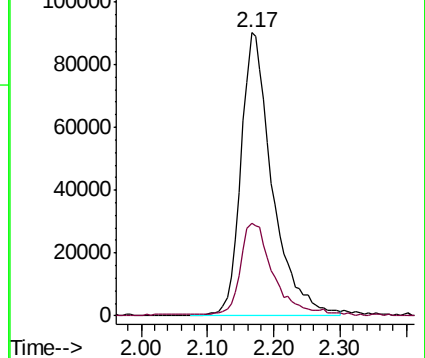
62 100

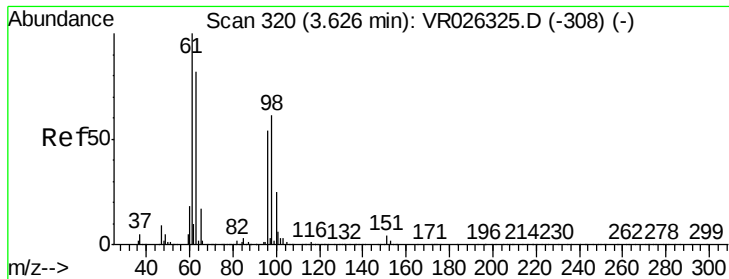
64 32.8 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0





#12

1,1-Dichloroethene

Concen: 0.151 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VR026327.D

Acq: 15 Feb 2019 13:32

Instrument :

MSVOA_R

ClientSampleId :

ESXF7

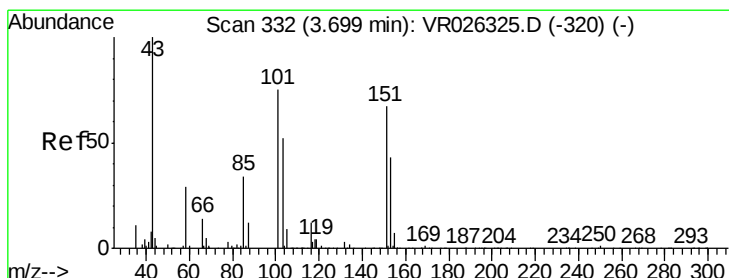
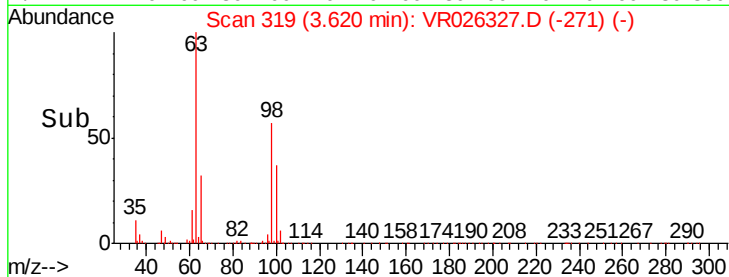
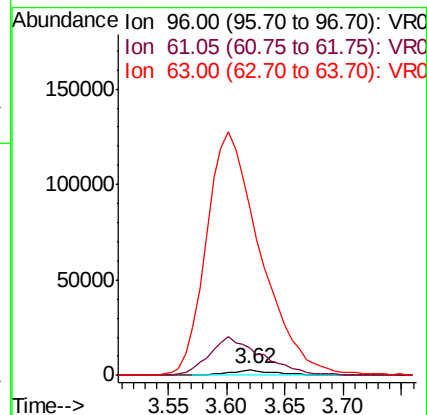
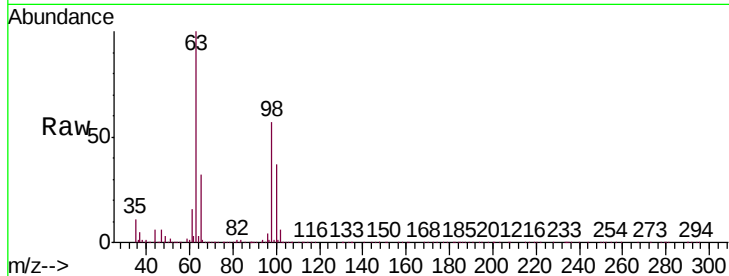
Tgt Ion: 96 Resp: 8395

Ion Ratio Lower Upper

96 100

61 445.8 126.0 234.0#

63 2784.2 99.7 185.1#



#13

Acetone

Concen: 2.480 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.01 min

Lab File: VR026327.D

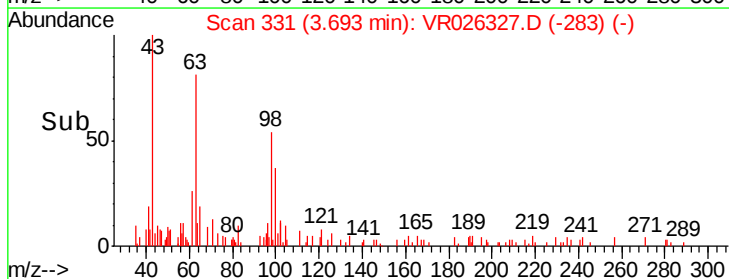
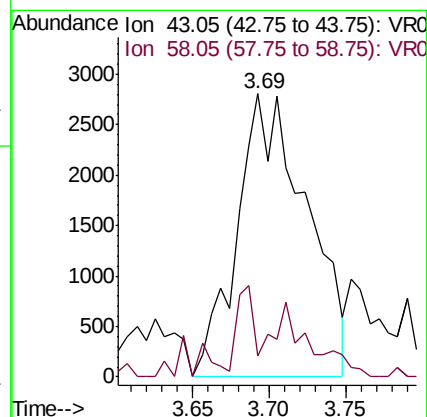
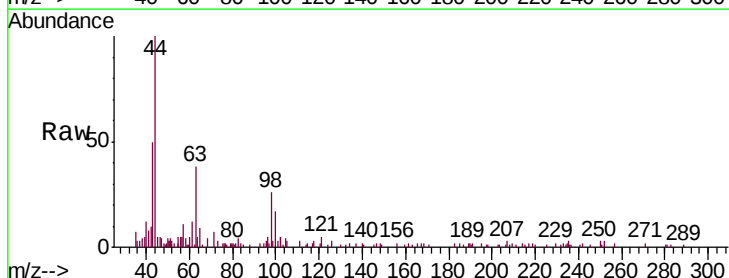
Acq: 15 Feb 2019 13:32

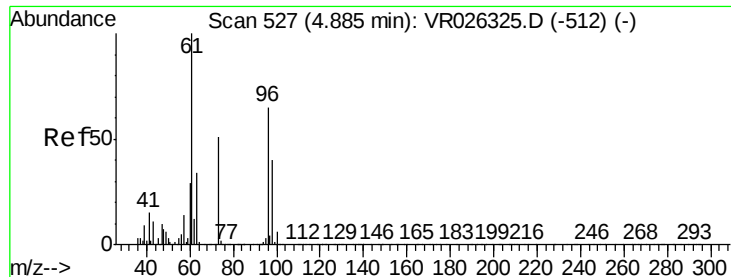
Tgt Ion: 43 Resp: 8869

Ion Ratio Lower Upper

43 100

58 10.7 0.0 56.6





#18

trans-1,2-Dichloroethene

Concen: 2.628 ug/L

RT: 4.89 min Scan# 527

Delta R.T. 0.00 min

Lab File: VR026327.D

Acq: 15 Feb 2019 13:32

Instrument :

MSVOA_R

ClientSampleId :

ESXF7

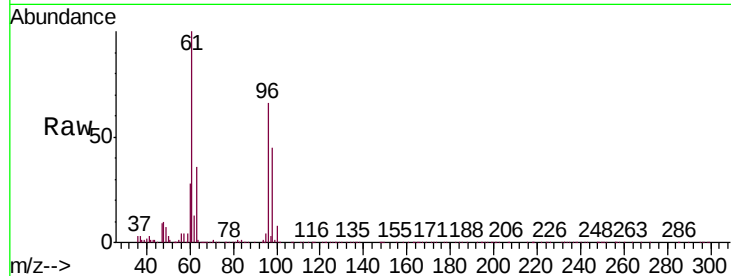
Tgt Ion: 96 Resp: 132888

Ion Ratio Lower Upper

96 100

61 152.5 102.5 190.3

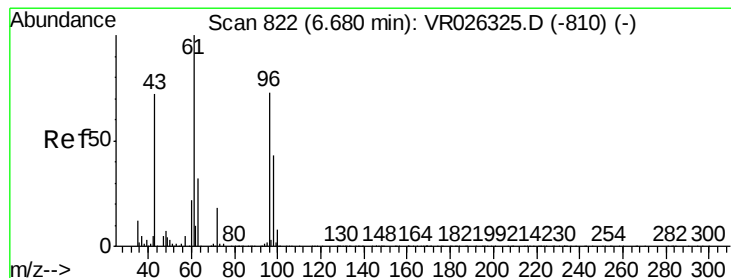
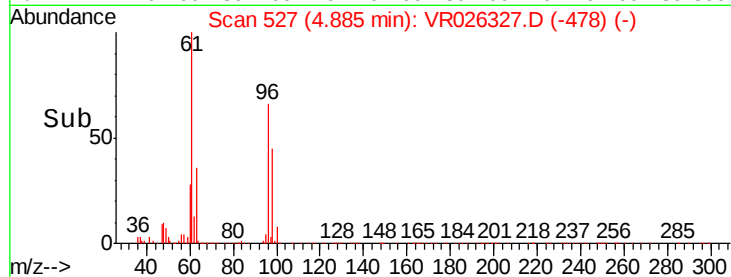
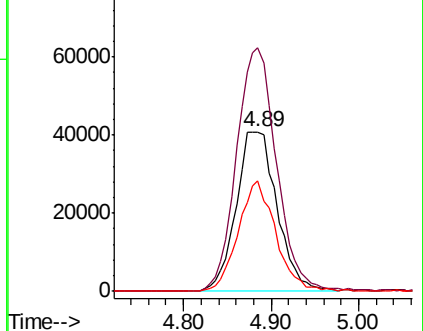
98 69.1 43.9 81.5



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0



#22

cis-1,2-Dichloroethene

Concen: 42.591 ug/L

RT: 6.67 min Scan# 821

Delta R.T. -0.01 min

Lab File: VR026327.D

Acq: 15 Feb 2019 13:32

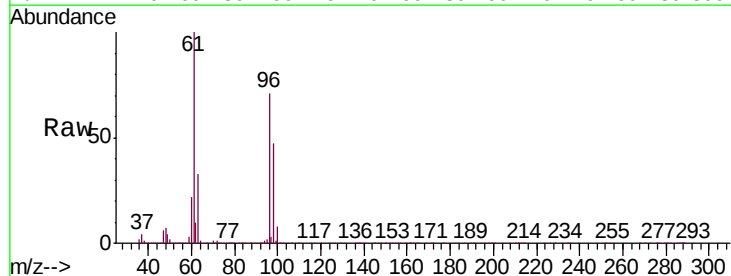
Tgt Ion: 96 Resp: 1737373

Ion Ratio Lower Upper

96 100

61 140.1 103.3 191.9

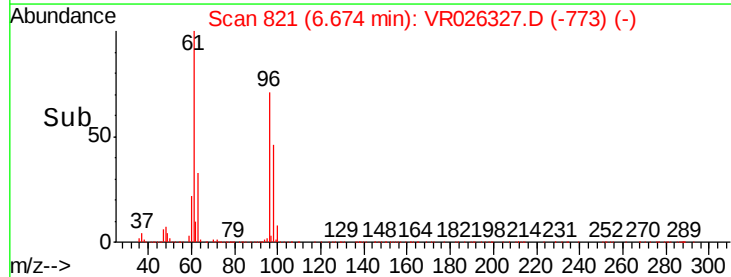
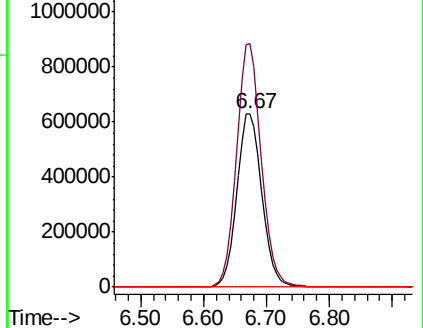
68 0.0 0.1 0.3#

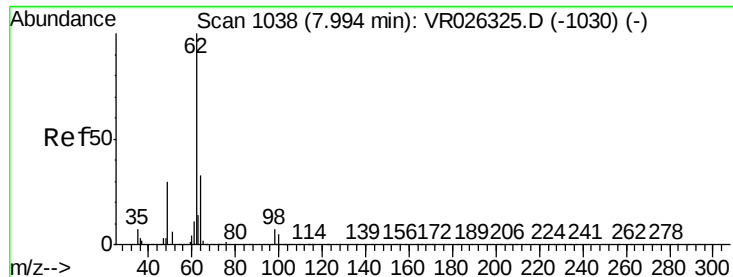


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 68.15 (67.85 to 68.85): VR0

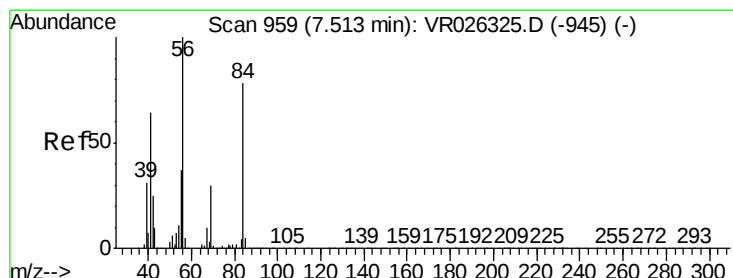
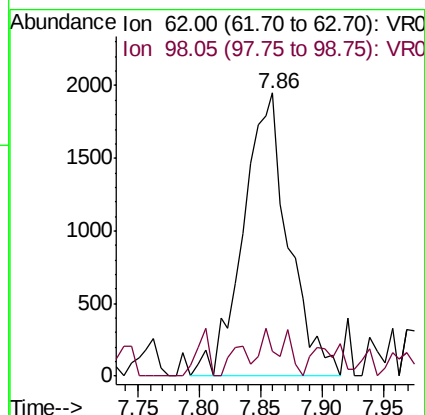
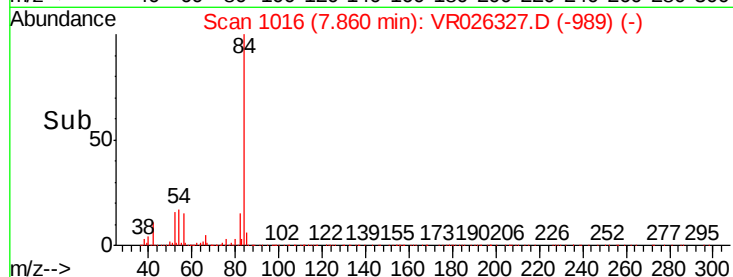
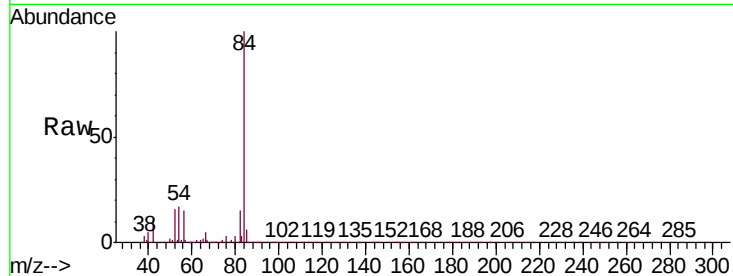




#27
1,2-Dichloroethane
Concen: 0.137 ug/L
RT: 7.86 min Scan# 1016
Delta R.T. -0.13 min
Lab File: VR026327.D
Acq: 15 Feb 2019 13:32

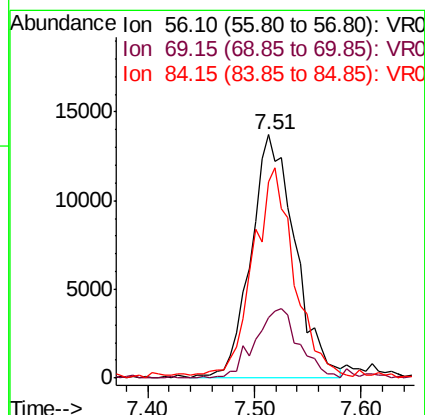
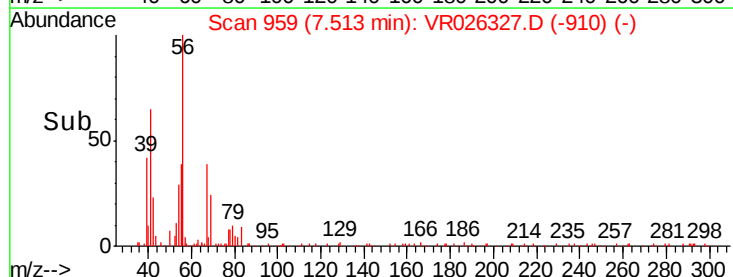
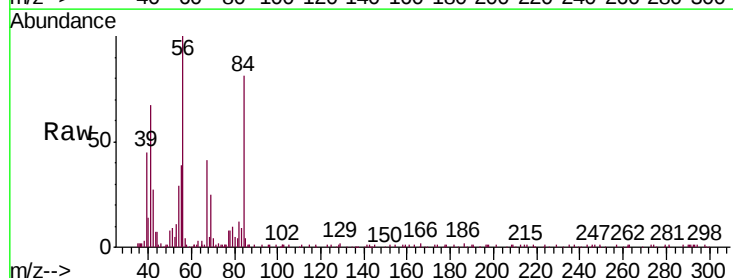
Instrument :
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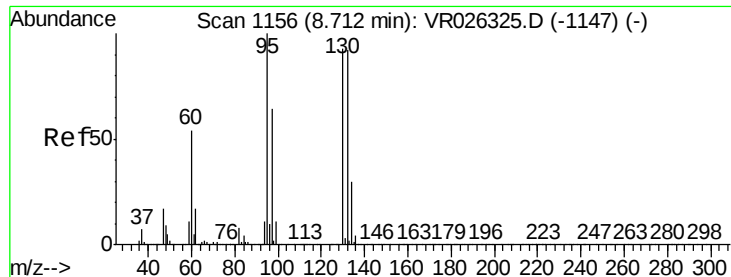
Tgt Ion: 62 Resp: 5001
Ion Ratio Lower Upper
62 100
98 8.6 7.0 10.6



#30
Cyclohexane
Concen: 0.667 ug/L
RT: 7.51 min Scan# 959
Delta R.T. 0.00 min
Lab File: VR026327.D
Acq: 15 Feb 2019 13:32

Tgt Ion: 56 Resp: 39665
Ion Ratio Lower Upper
56 100
69 28.3 23.4 35.2
84 81.1 63.8 95.6





#34

Trichloroethene

Concen: 6.997 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VR026327.D

Acq: 15 Feb 2019 13:32

Instrument :

MSVOA_R

ClientSampleId :

ESXF7

Tgt Ion: 95 Resp: 322054

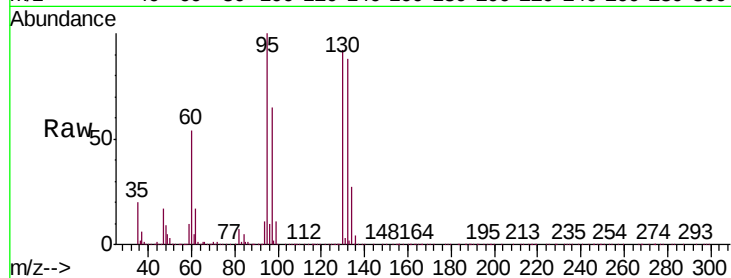
Ion Ratio Lower Upper

95 100

97 65.2 46.6 86.6

132 88.0 61.9 114.9

130 92.0 64.3 119.5

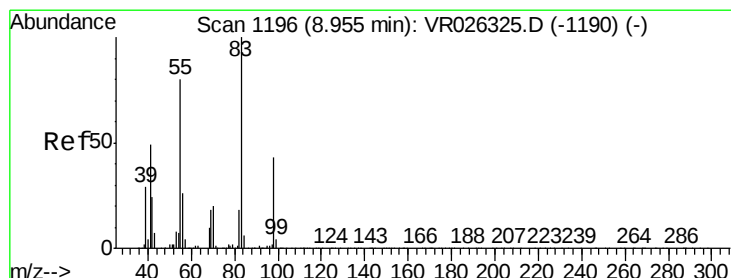
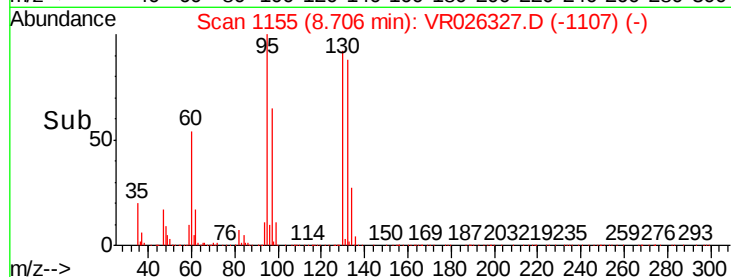
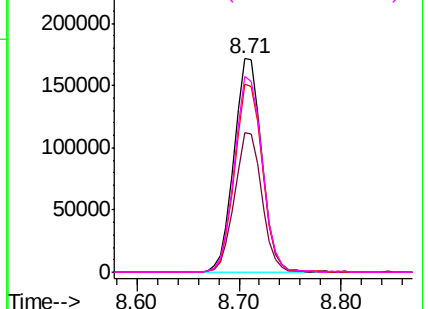


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.208 ug/L

RT: 8.95 min Scan# 1195

Delta R.T. -0.01 min

Lab File: VR026327.D

Acq: 15 Feb 2019 13:32

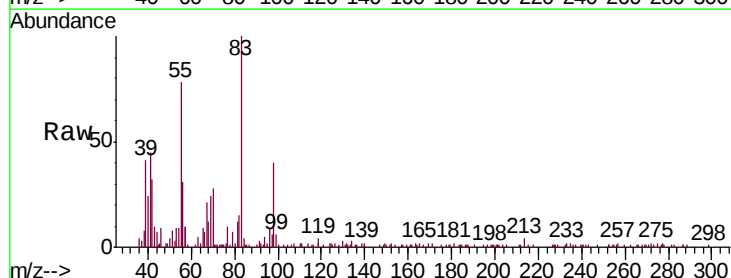
Tgt Ion: 83 Resp: 13340

Ion Ratio Lower Upper

83 100

55 110.8 68.8 103.2#

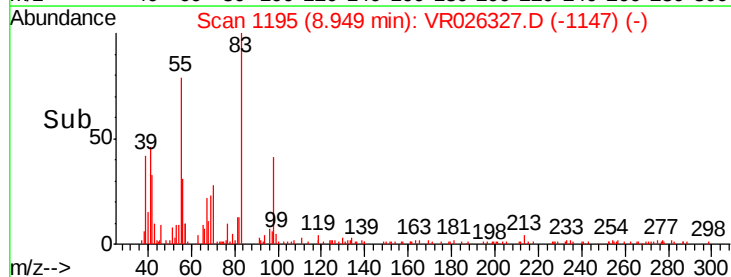
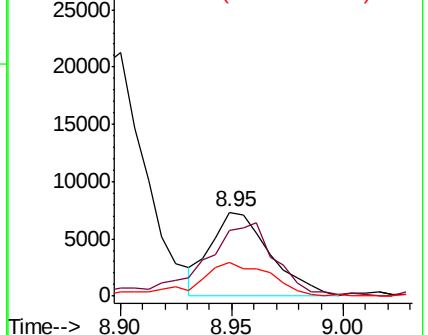
98 48.2 36.3 54.5

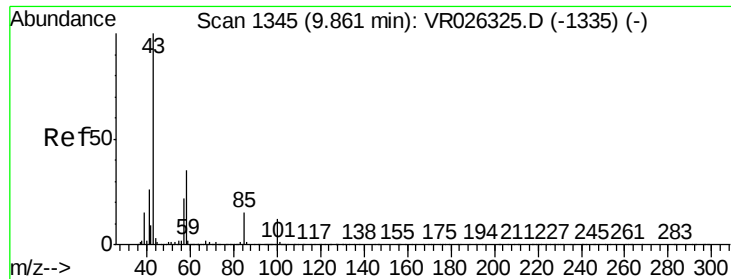


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

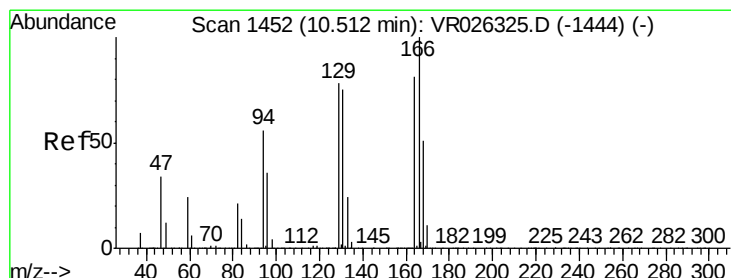
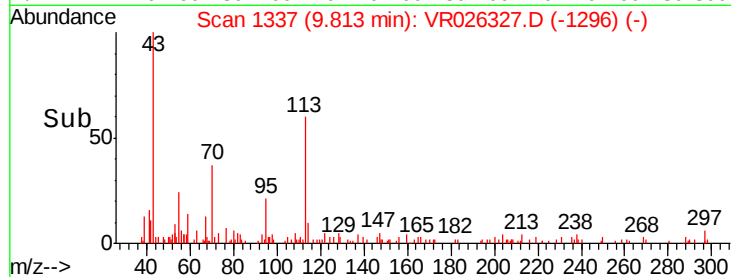
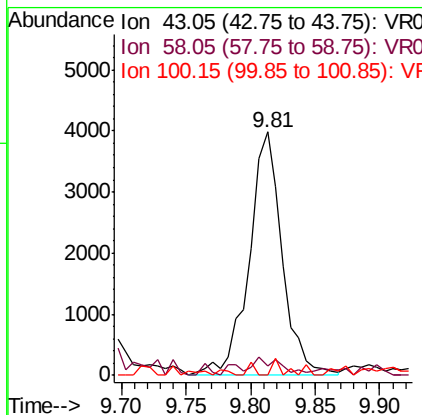
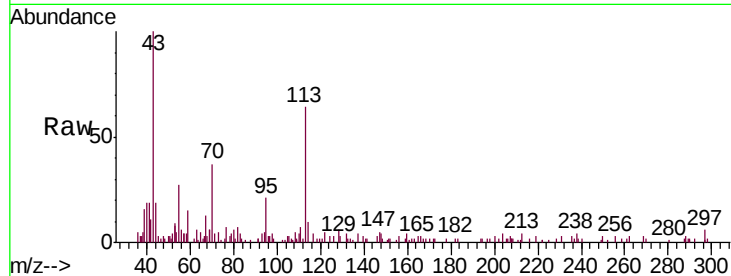




#40
4-Methyl-2-pentanone
Concen: 0.793 ug/L
RT: 9.81 min Scan# 1337
Delta R.T. -0.05 min
Lab File: VR026327.D
Acq: 15 Feb 2019 13:32

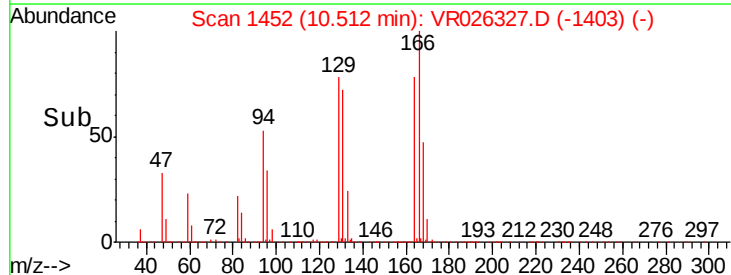
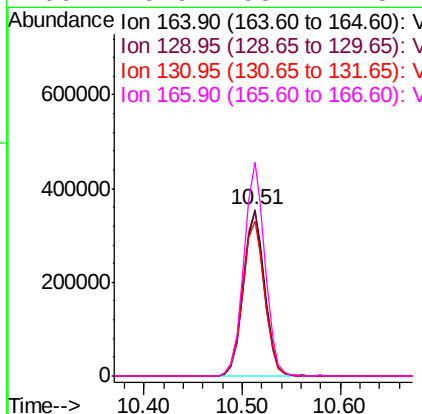
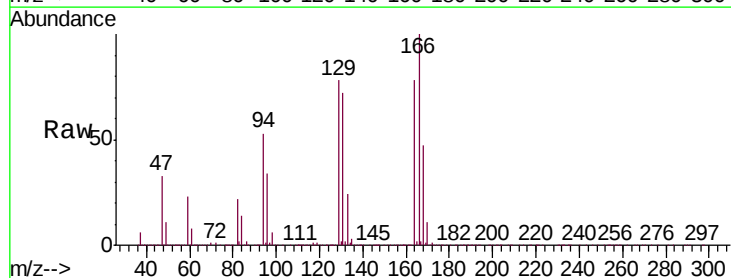
Instrument :
MSVOA_R
ClientSampleId :
ESXF7

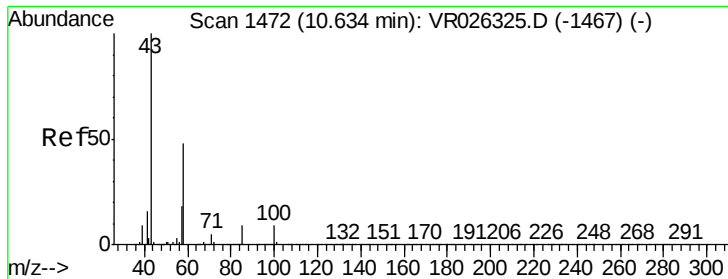
Tgt Ion: 43 Resp: 7042
Ion Ratio Lower Upper
43 100
58 6.2 28.7 43.1#
100 0.0 9.8 14.6#



#47
Tetrachloroethene
Concen: 15.012 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VR026327.D
Acq: 15 Feb 2019 13:32

Tgt Ion: 164 Resp: 530213
Ion Ratio Lower Upper
164 100
129 100.6 71.5 132.9
131 93.3 72.8 135.2
166 128.9 93.4 173.4

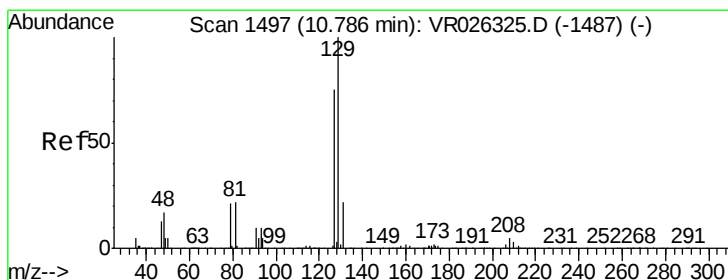
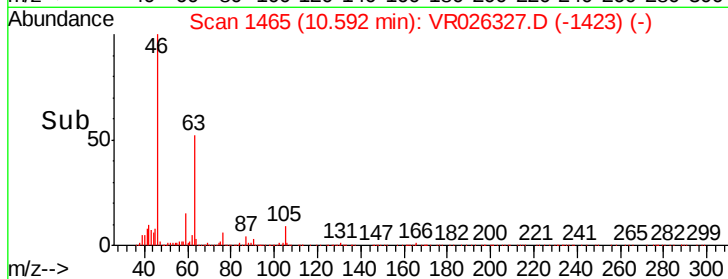
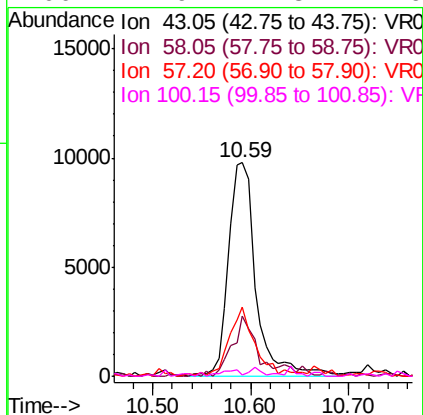
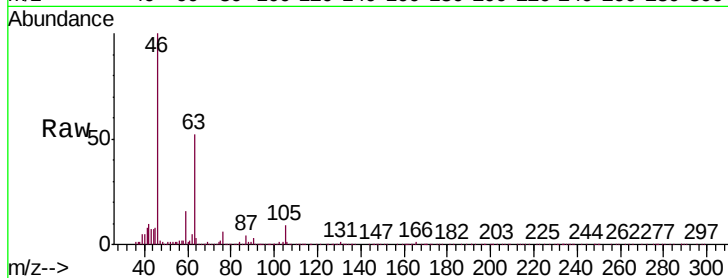




#48
2-Hexanone
Concen: 3.190 ug/L
RT: 10.59 min Scan# 1465
Delta R.T. -0.04 min
Lab File: VR026327.D
Acq: 15 Feb 2019 13:32

Instrument :
MSVOA_R
ClientSampleId :
ESXF7

Tgt Ion:	43	Resp:	19057
Ion	Ratio	Lower	Upper
43	100		
58	24.9	41.2	61.8#
57	31.2	13.8	20.8#
100	1.9	7.8	11.6#



#49
Dibromochloromethane
Concen: 20.136 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. -0.27 min
Lab File: VR026327.D
Acq: 15 Feb 2019 13:32

Tgt Ion:	129	Resp:	416534
Ion	Ratio	Lower	Upper
129	100		
127	0.1	51.4	95.5#

