

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR040619\
 Data File : VR026482.D
 Acq On : 6 Apr 2019 19:15
 Operator : SY/MD
 Sample : K2282-05
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 E3YD0

Quant Time: Apr 06 23:37:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 06 23:34:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	522810	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	422493	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	118946	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	150039	3.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.60%
7) Chloroethane-d5	2.63	69	141651	4.28	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	3.60	63	315770	3.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.40%
20) 2-Butanone-d5	6.59	46	182428	51.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.02%
24) Chloroform-d	7.20	84	333654	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	7.89	65	148867	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	7.85	84	591743	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	8.89	67	162127	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	9.97	98	502073	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
43) trans-1,3-Dichloropropene-	10.23	79	30322	3.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.40%
46) 2-Hexanone-d5	10.59	63	141115	56.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.46%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	69022	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	102657	5.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.00%

Target Compounds

					Qvalue
5) Vinyl chloride	2.15	62	19326	0.348 ug/L	91
8) Chloroethane	2.66	64	31930	1.014 ug/L	95
12) 1,1-Dichloroethene	3.62	96	18588	0.401 ug/L #	1
13) Acetone	3.70	43	21920	6.125 ug/L	98
17) Methyl tert-butyl Ether	4.91	73	9072	0.172 ug/L #	61
18) trans-1,2-Dichloroethene	4.88	96	9742	0.223 ug/L	85
19) 1,1-Dichloroethane	5.69	63	310847	3.824 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	276870	7.609 ug/L #	94
25) Chloroform	7.22	83	23901	0.307 ug/L	99
27) 1,2-Dichloroethane	7.99	62	35213	0.908 ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	10682	0.153 ug/L #	83
34) Trichloroethene	8.71	95	31640	0.715 ug/L	93
35) Methylcyclohexane	8.90	83	40771	0.646 ug/L #	16
37) 1,2-Dichloropropane	8.90	63	21184	0.585 ug/L #	94
47) Tetrachloroethene	10.51	164	6939	0.220 ug/L	93
48) 2-Hexanone	10.59	43	26445	3.750 ug/L #	74

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Apr 06 23:34:06 2019
Response via : Initial Calibration

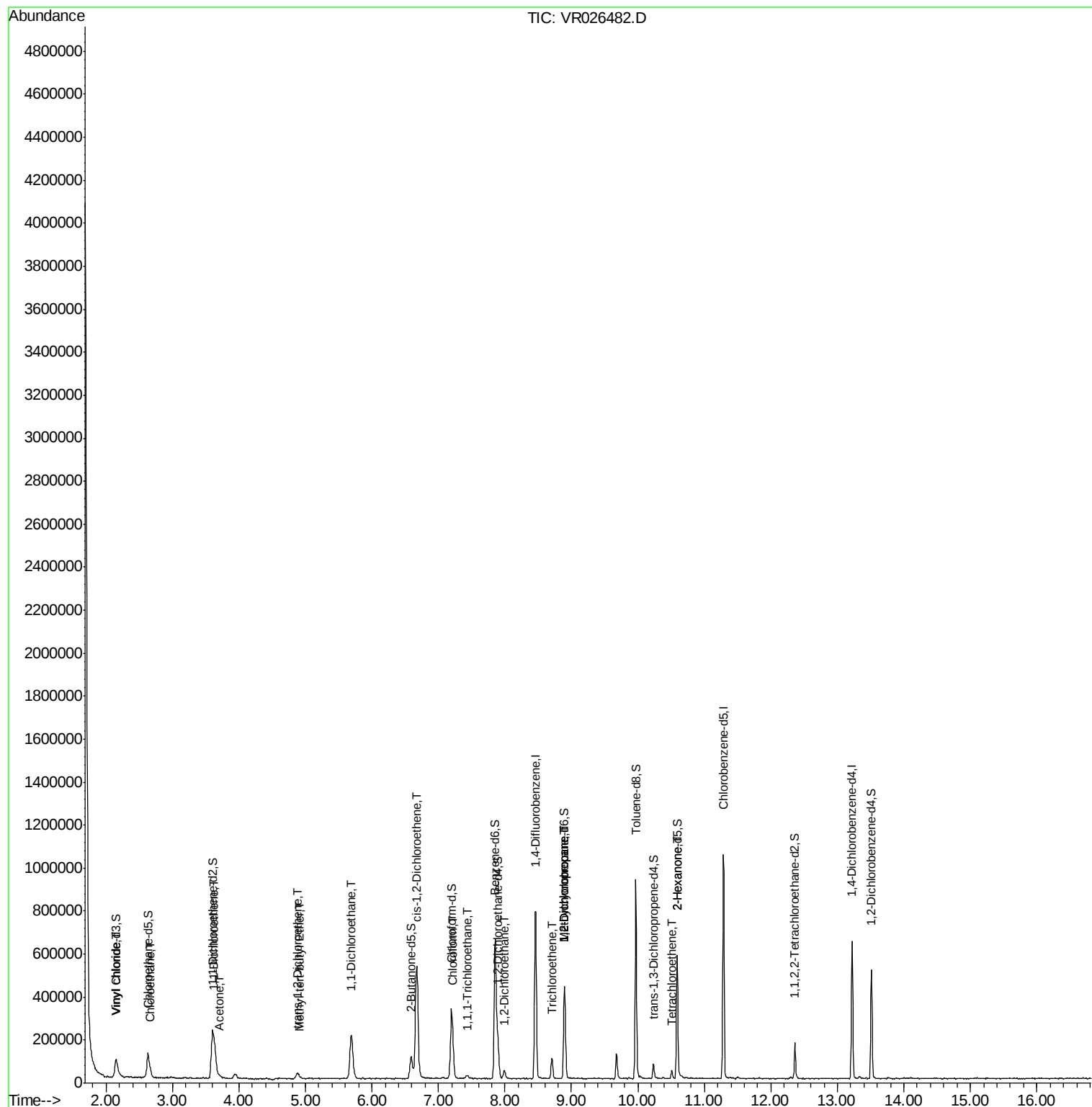
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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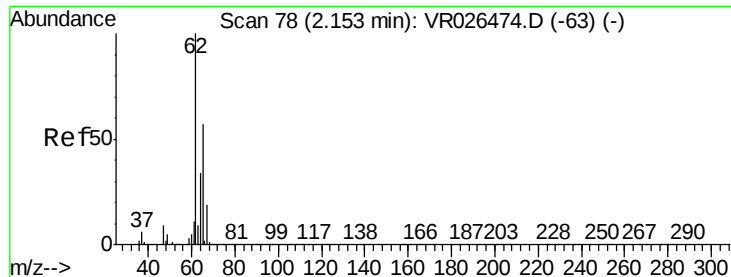
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_R\DATA\VR040619\
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#5

Vinyl chloride

Concen: 0.348 ug/L

RT: 2.15 min Scan# 78

Delta R.T. -0.00 min

Lab File: VR026482.D

Acq: 6 Apr 2019 19:15

Instrument :

MSVOA_R

ClientSampleId :

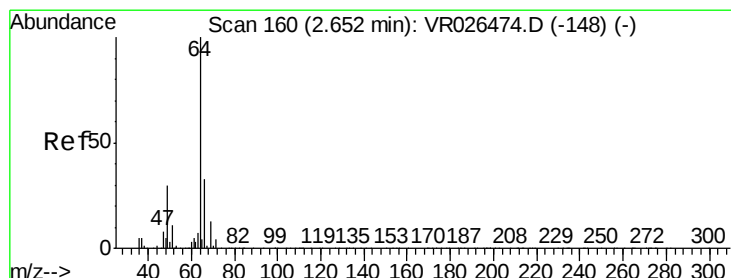
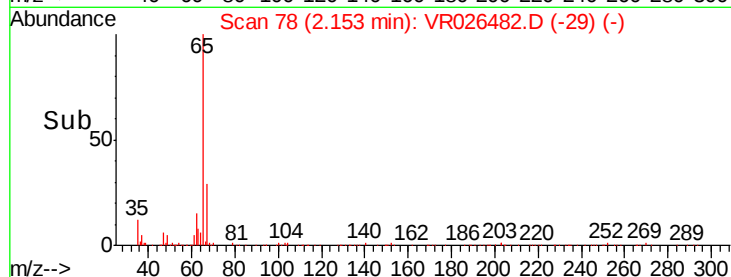
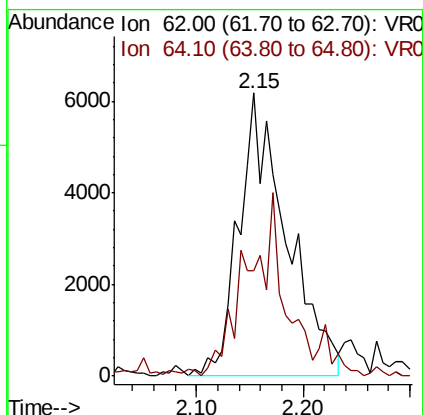
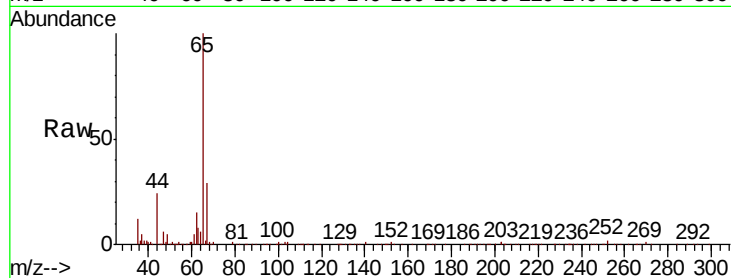
E3YD0

Tgt Ion: 62 Resp: 19326

Ion Ratio Lower Upper

62 100

64 37.1 22.3 41.5



#8

Chloroethane

Concen: 1.014 ug/L

RT: 2.66 min Scan# 162

Delta R.T. 0.01 min

Lab File: VR026482.D

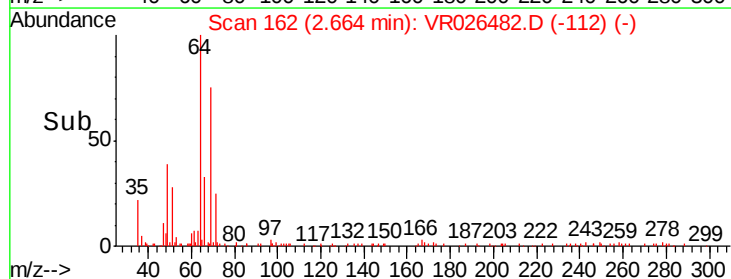
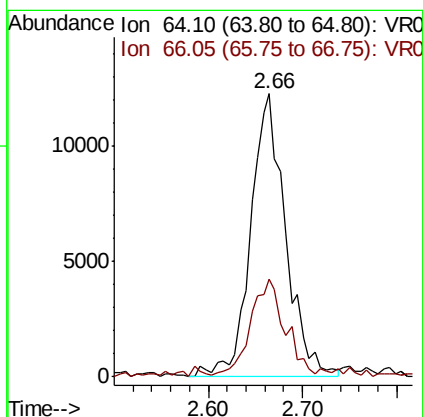
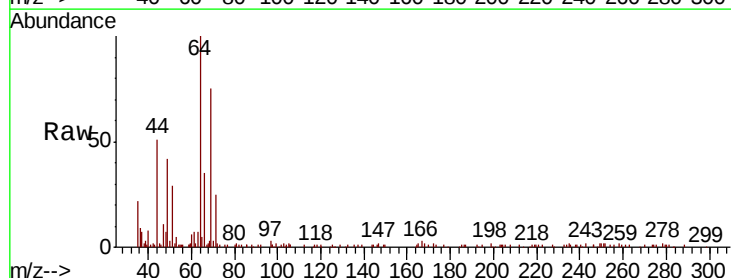
Acq: 6 Apr 2019 19:15

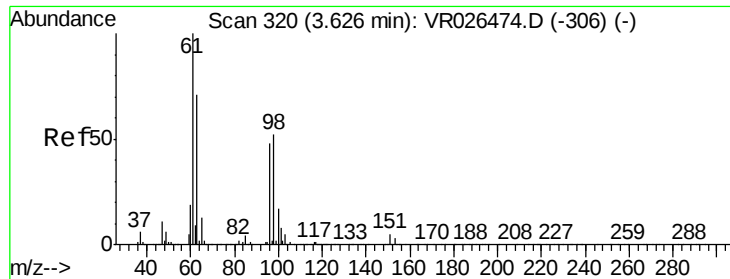
Tgt Ion: 64 Resp: 31930

Ion Ratio Lower Upper

64 100

66 34.7 22.4 41.6





#12

1,1-Dichloroethene

Concen: 0.401 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.00 min

Lab File: VR026482.D

Acq: 6 Apr 2019 19:15

Instrument :

MSVOA_R

ClientSampleId :

E3YD0

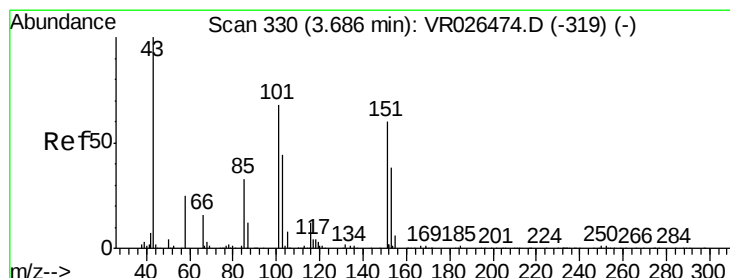
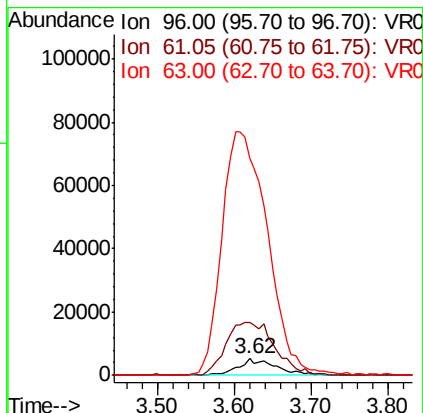
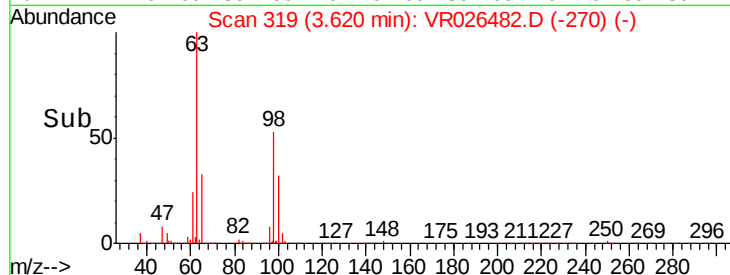
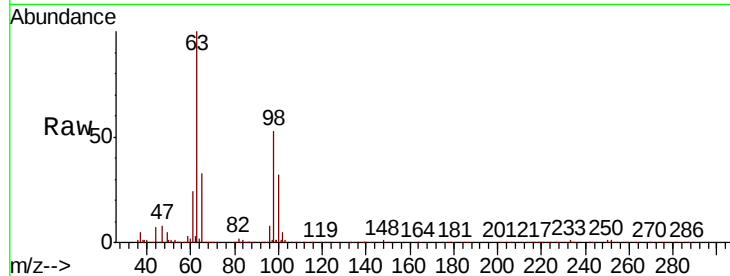
Tgt Ion: 96 Resp: 18588

Ion Ratio Lower Upper

96 100

61 316.1 142.7 264.9#

63 1293.6 116.9 217.1#



#13

Acetone

Concen: 6.125 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.02 min

Lab File: VR026482.D

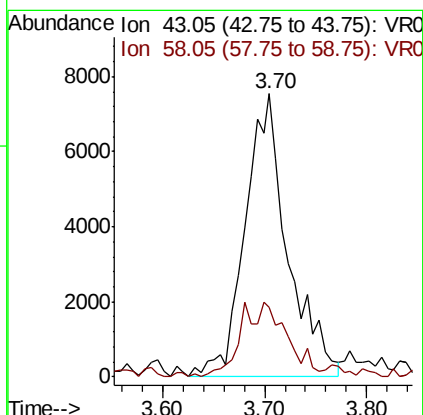
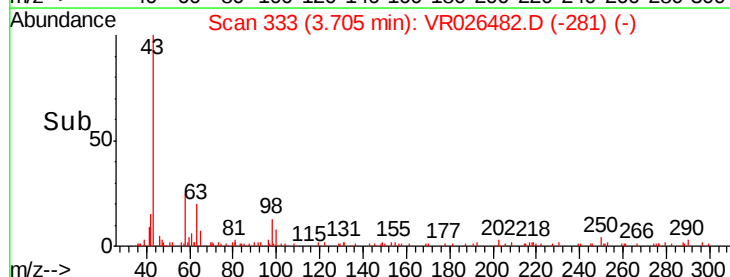
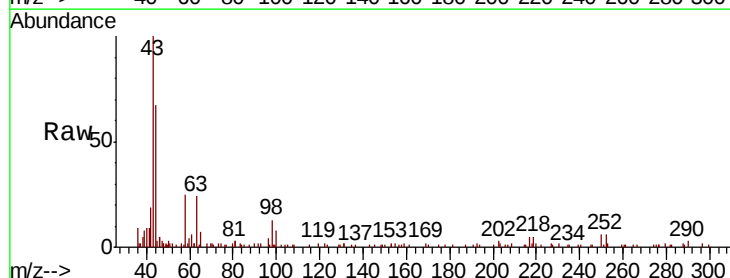
Acq: 6 Apr 2019 19:15

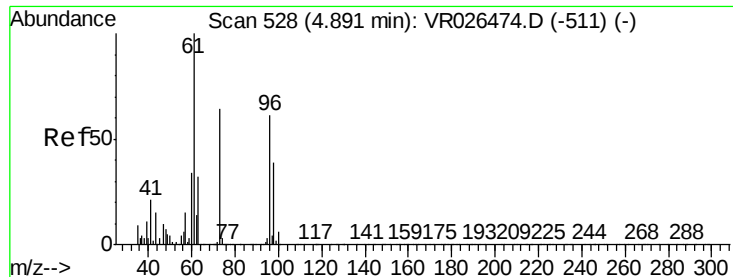
Tgt Ion: 43 Resp: 21920

Ion Ratio Lower Upper

43 100

58 28.2 0.0 53.8

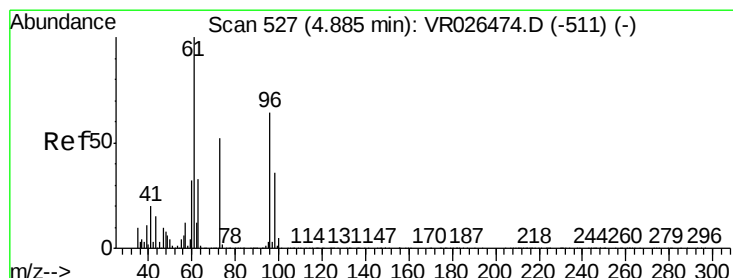
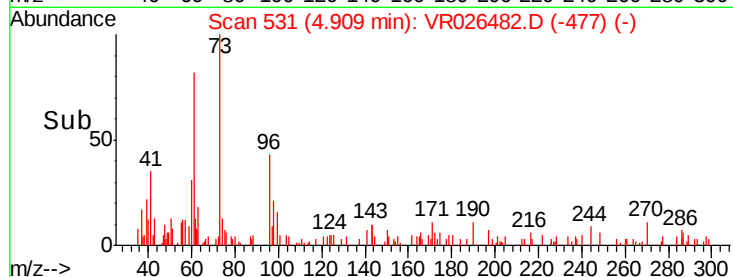
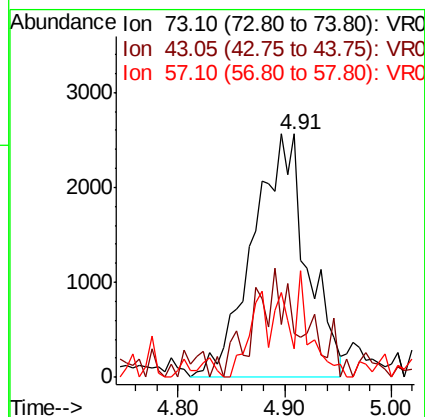
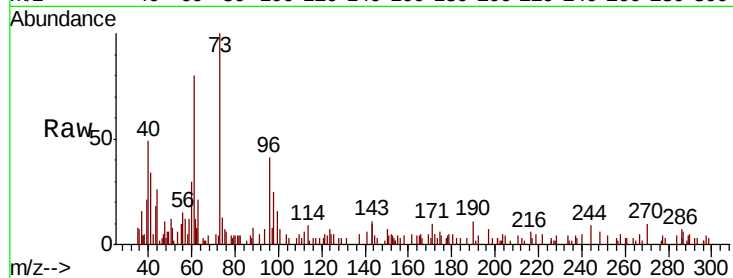




#17
Methyl tert-butyl Ether
Concen: 0.172 ug/L
RT: 4.91 min Scan# 531
Delta R.T. 0.03 min
Lab File: VR026482.D
Acq: 6 Apr 2019 19:15

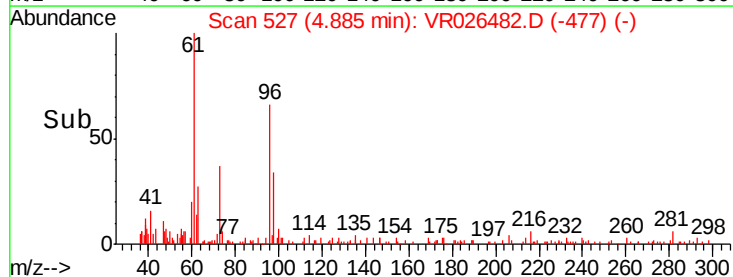
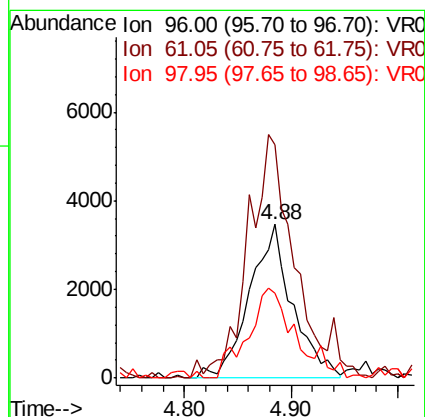
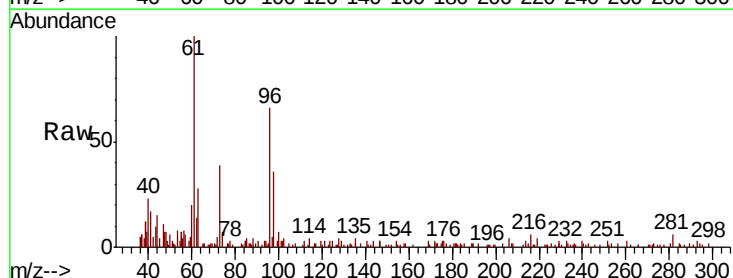
Instrument :
MSVOA_R
ClientSampleId :
E3YD0

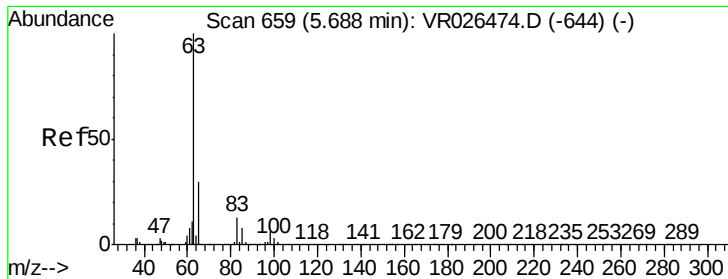
Tgt Ion: 73 Resp: 9072
Ion Ratio Lower Upper
73 100
43 0.0 19.8 29.8#
57 10.2 18.9 28.3#



#18
trans-1,2-Dichloroethene
Concen: 0.223 ug/L
RT: 4.88 min Scan# 527
Delta R.T. 0.01 min
Lab File: VR026482.D
Acq: 6 Apr 2019 19:15

Tgt Ion: 96 Resp: 9742
Ion Ratio Lower Upper
96 100
61 152.4 122.9 228.3
98 55.0 45.2 84.0

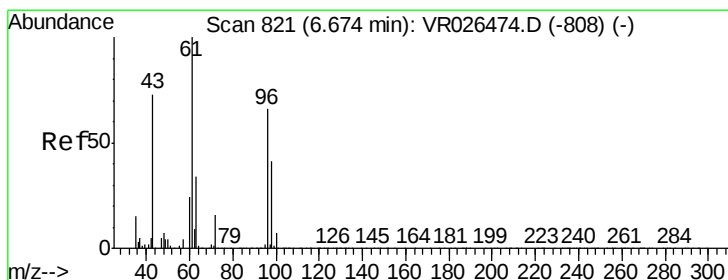
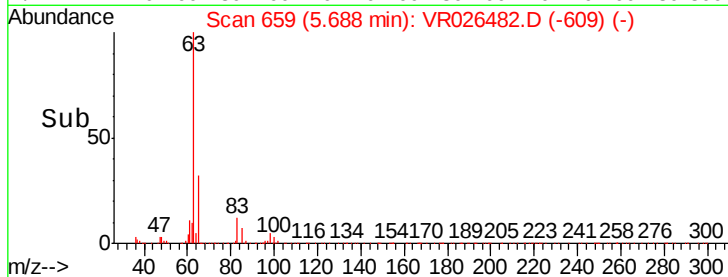
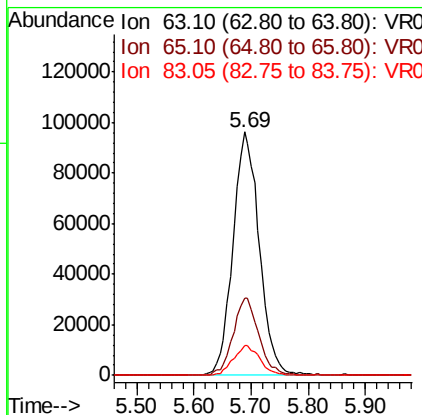
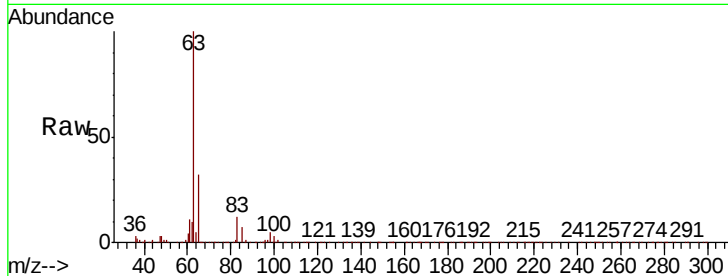




#19
 1,1-Dichloroethane
 Concen: 3.824 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. 0.01 min
 Lab File: VR026482.D
 Acq: 6 Apr 2019 19:15

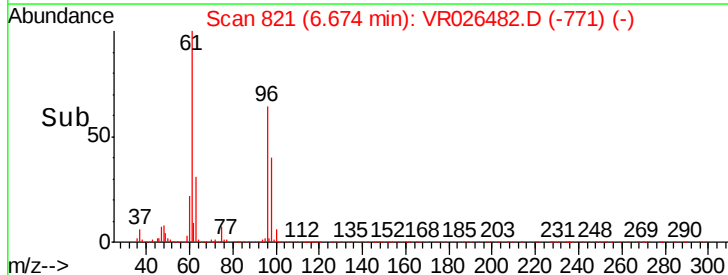
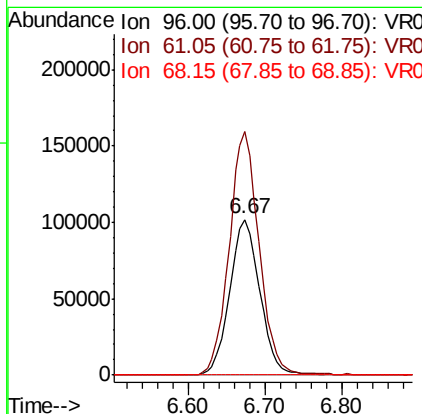
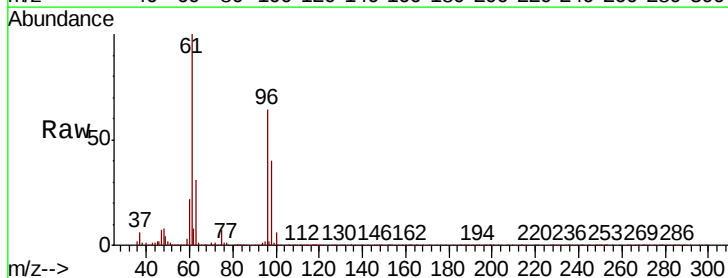
Instrument :
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 ClientSampleId :
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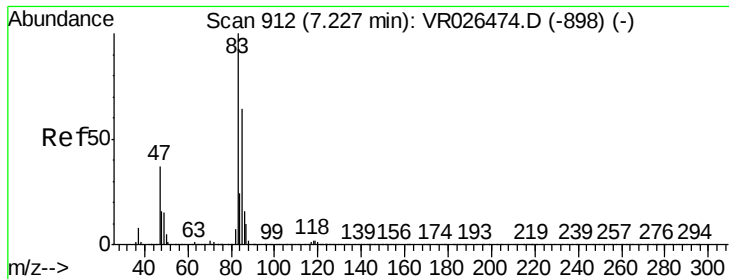
Tgt Ion:	63	Resp:	310847
Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.0	40.8
83	12.3	8.2	15.2



#22
 cis-1,2-Dichloroethene
 Concen: 7.609 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. 0.01 min
 Lab File: VR026482.D
 Acq: 6 Apr 2019 19:15

Tgt Ion:	96	Resp:	276870
Ion	Ratio	Lower	Upper
96	100		
61	156.5	115.0	213.6
68	0.1	0.0	0.0#

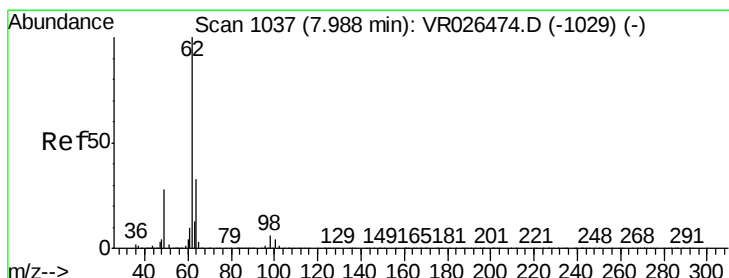
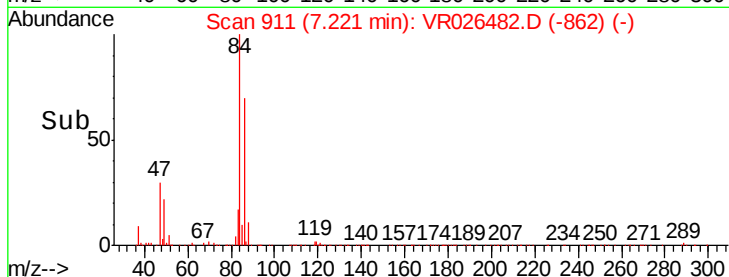
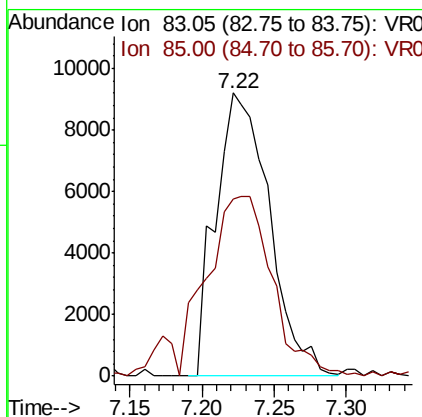
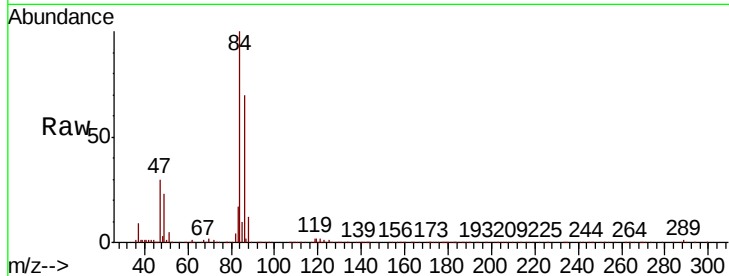




#25
Chloroform
Concen: 0.307 ug/L
RT: 7.22 min Scan# 911
Delta R.T. -0.00 min
Lab File: VR026482.D
Acq: 6 Apr 2019 19:15

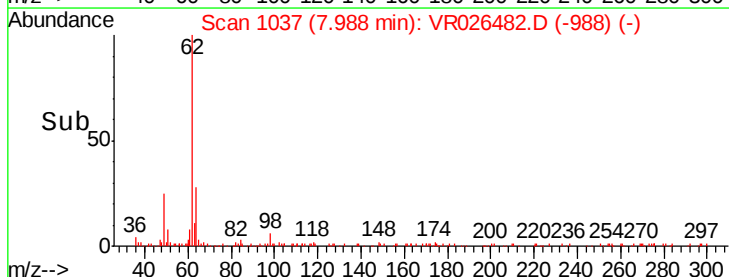
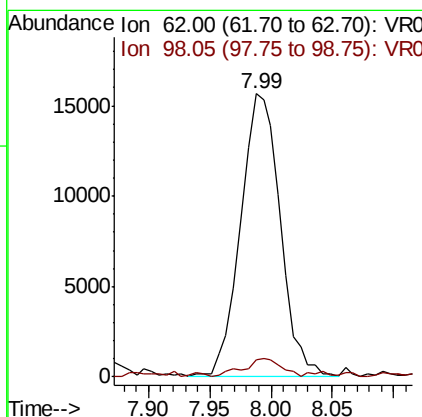
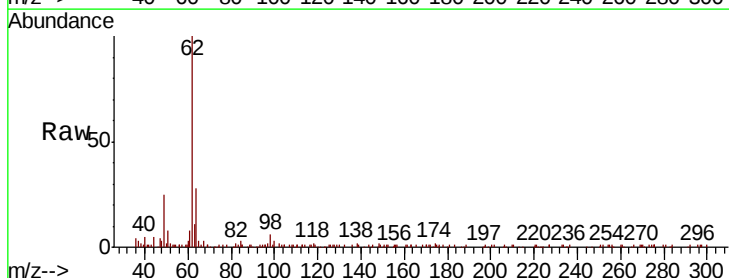
Instrument :
MSVOA_R
ClientSampled :
E3YD0

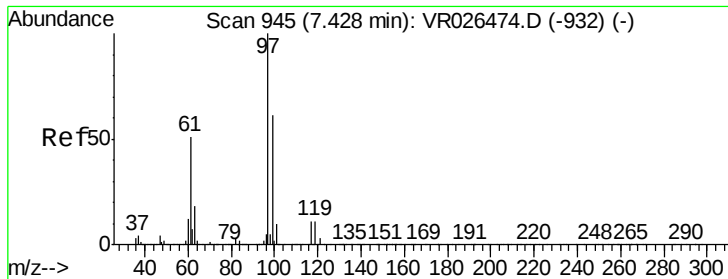
Tgt Ion: 83 Resp: 23901
Ion Ratio Lower Upper
83 100
85 62.6 44.2 82.0



#27
1,2-Dichloroethane
Concen: 0.908 ug/L
RT: 7.99 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VR026482.D
Acq: 6 Apr 2019 19:15

Tgt Ion: 62 Resp: 35213
Ion Ratio Lower Upper
62 100
98 6.3 4.8 7.2

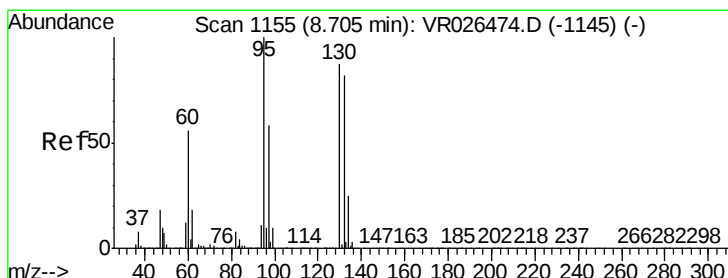
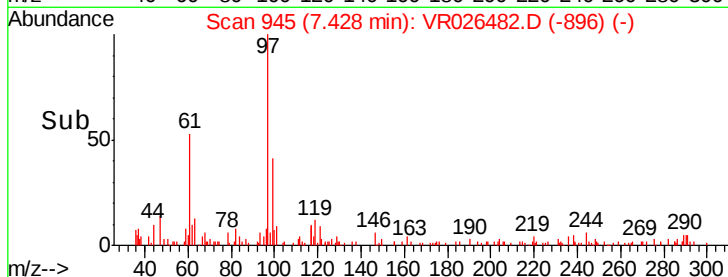
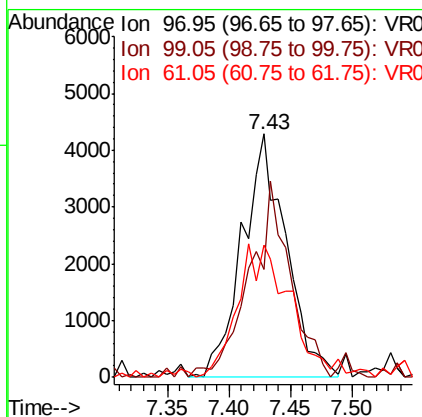
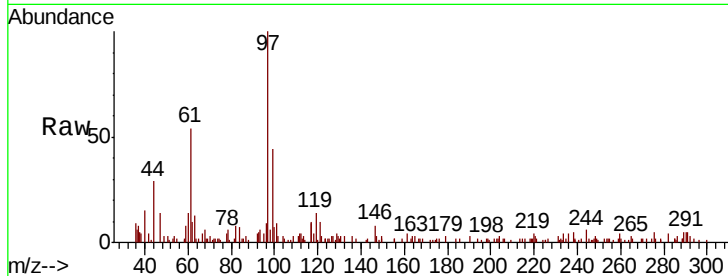




#29
 1,1,1-Trichloroethane
 Concen: 0.153 ug/L
 RT: 7.43 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: VR026482.D
 Acq: 6 Apr 2019 19:15

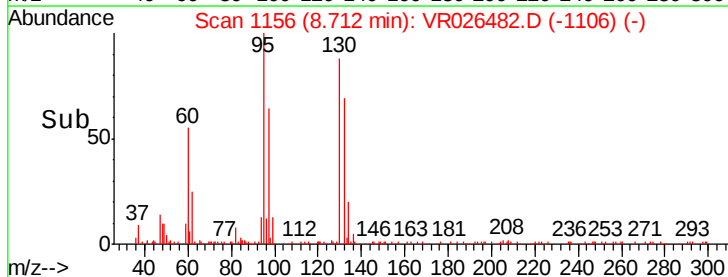
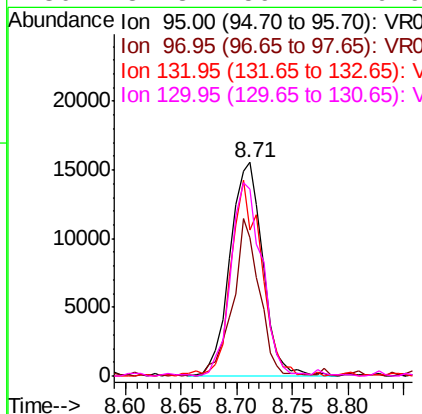
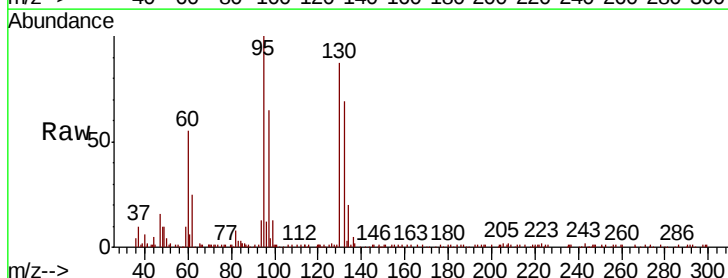
Instrument :
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 ClientSampleId :
 E3YD0

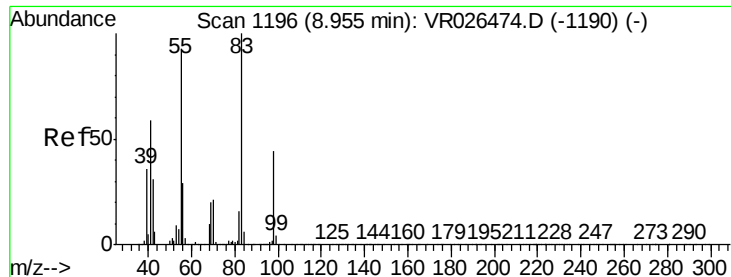
Tgt Ion: 97 Resp: 10682
 Ion Ratio Lower Upper
 97 100
 99 74.2 49.6 74.4
 61 65.4 41.8 62.6#



#34
 Trichloroethene
 Concen: 0.715 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: VR026482.D
 Acq: 6 Apr 2019 19:15

Tgt Ion: 95 Resp: 31640
 Ion Ratio Lower Upper
 95 100
 97 64.6 43.8 81.3
 132 68.6 57.2 106.2
 130 87.3 59.7 110.9

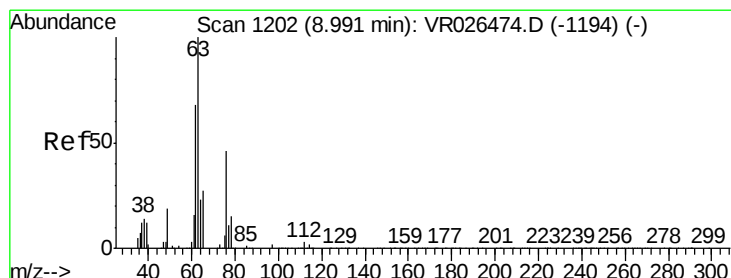
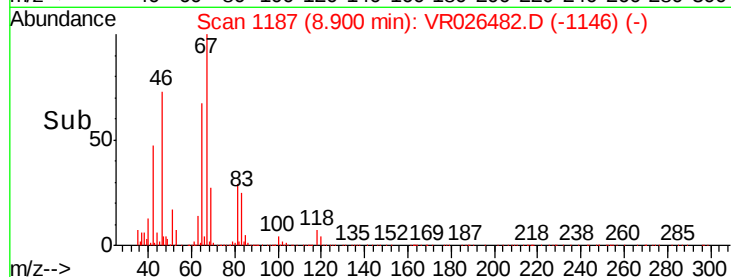
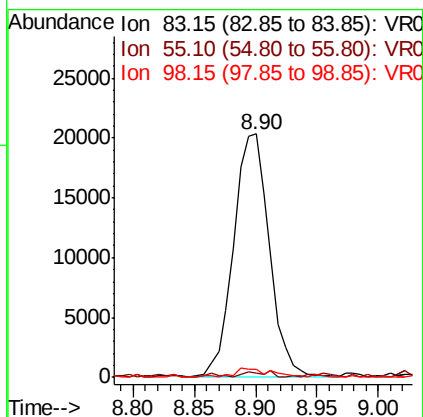
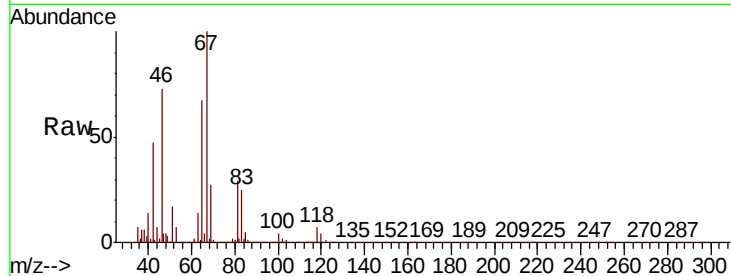




#35
Methylcyclohexane
Concen: 0.646 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.05 min
Lab File: VR026482.D
Acq: 6 Apr 2019 19:15

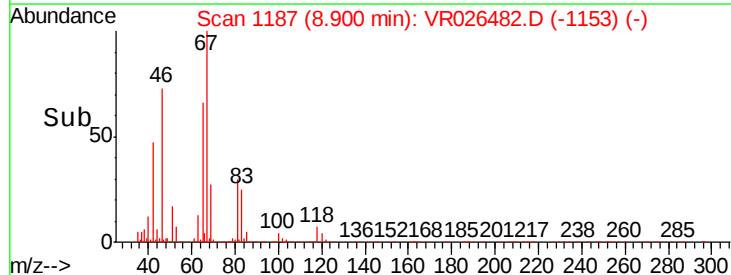
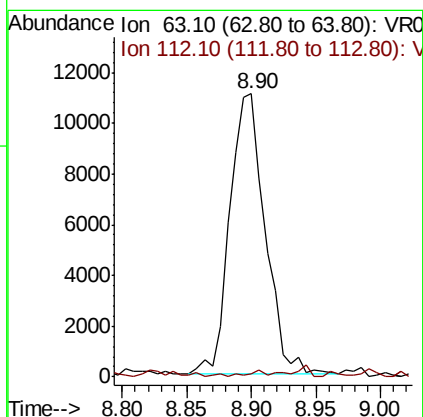
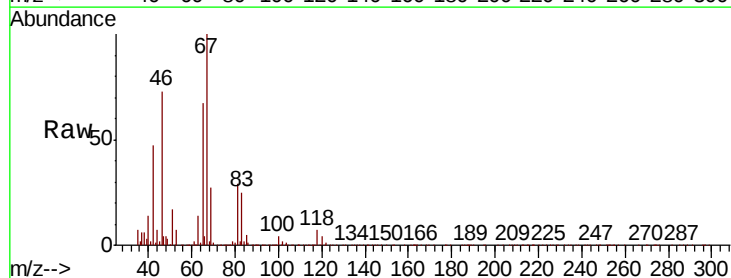
Instrument :
MSVOA_R
ClientSampleId :
E3YD0

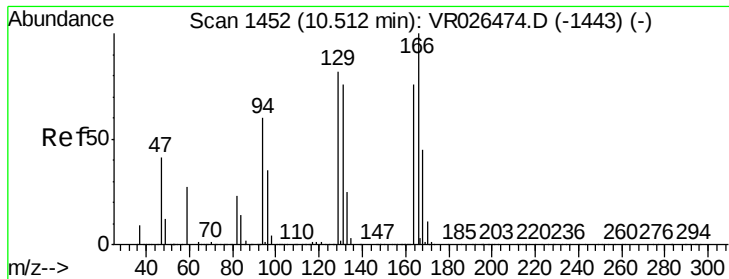
Tgt Ion: 83 Resp: 40771
Ion Ratio Lower Upper
83 100
55 1.8 73.8 110.6#
98 3.5 34.6 51.8#



#37
1,2-Dichloropropane
Concen: 0.585 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.09 min
Lab File: VR026482.D
Acq: 6 Apr 2019 19:15

Tgt Ion: 63 Resp: 21184
Ion Ratio Lower Upper
63 100
112 1.7 2.8 4.2#





#47

Tetrachloroethene

Concen: 0.220 ug/L

RT: 10.51 min Scan# 1451

Delta R.T. -0.01 min

Lab File: VR026482.D

Acq: 6 Apr 2019 19:15

Instrument :

MSVOA_R

ClientSampleId :

E3YD0

Tgt Ion:164 Resp: 6939

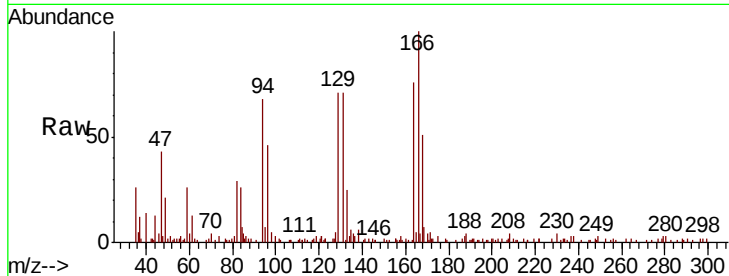
Ion Ratio Lower Upper

164 100

129 92.7 74.1 137.5

131 92.5 71.3 132.5

166 131.1 90.9 168.9

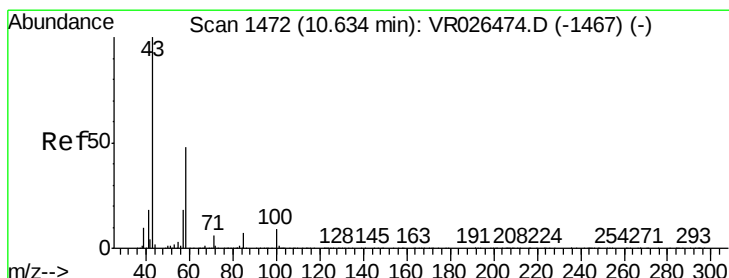
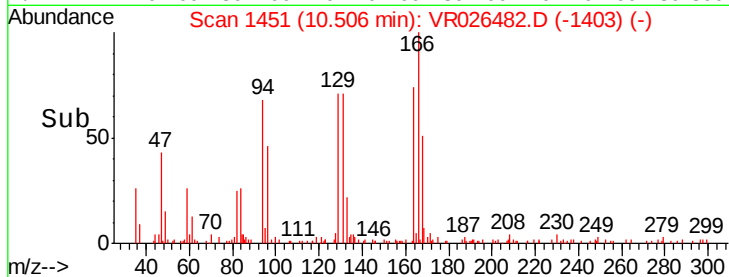
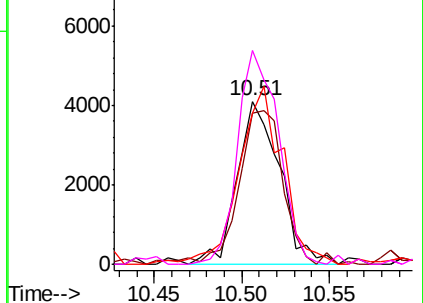


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.750 ug/L

RT: 10.59 min Scan# 1464

Delta R.T. -0.05 min

Lab File: VR026482.D

Acq: 6 Apr 2019 19:15

Tgt Ion: 43 Resp: 26445

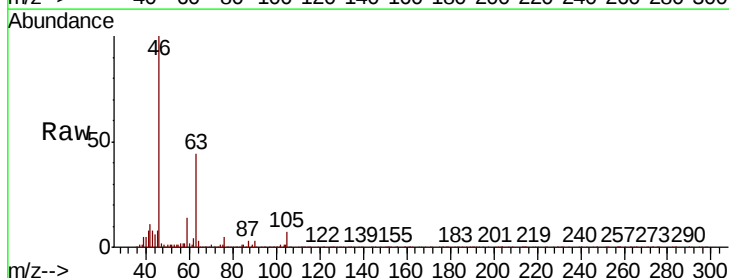
Ion Ratio Lower Upper

43 100

58 27.1 38.2 57.2#

57 26.7 13.8 20.6#

100 6.4 6.2 9.2



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

