

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071918\
 Data File : VV006645.D
 Acq On : 19 Jul 2018 16:21
 Operator : SY/MD
 Sample : J3983-19
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DB199

Quant Time: Jul 20 05:10:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 20 05:09:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	254250	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	239872	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	111978	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	95246	5.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.80%
7) Chloroethane-d5	1.58	69	76699	6.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	127.40%
11) 1,1-Dichloroethene-d2	2.13	63	123254	3.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	3.96	46	225356	58.15	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.30%
24) Chloroform-d	4.40	84	163513	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
26) 1,2-Dichloroethane-d4	5.09	65	80514	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.60%
32) Benzene-d6	5.10	84	345460	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.12	67	112923	5.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.80%
41) Toluene-d8	7.36	98	310913	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
43) trans-1,3-Dichloropropene-	7.67	79	34911	5.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.80%
46) 2-Hexanone-d5	8.14	63	211767	61.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.92%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	81830	5.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	113647	5.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.80%

Target Compounds

					Qvalue
3) Chloromethane	1.48	50	142024	6.947 ug/L #	42
5) Vinyl chloride	1.32	62	69872	2.646 ug/L #	1
6) Bromomethane	1.54	94	3255	0.435 ug/L	90
8) Chloroethane	1.32	64	26430	1.742 ug/L #	54
13) Acetone	2.21	43	84567	28.454 ug/L	91
14) Carbon disulfide	2.32	76	19931	0.327 ug/L	96
15) Methyl Acetate	2.47	43	749006	85.894 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	55987	2.699 ug/L	99
21) 2-Butanone	4.04	43	79319	15.934 ug/L	99
35) Methylcyclohexane	6.12	83	26412	0.741 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	10962	0.509 ug/L #	86
40) 4-Methyl-2-pentanone	7.28	43	3323	0.286 ug/L #	73
47) Tetrachloroethene	8.02	164	4206	0.245 ug/L	88
48) 2-Hexanone	8.19	43	6267	0.770 ug/L	94
49) Dibromochloromethane	8.02	129	3181	0.207 ug/L #	11

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QLast Update : Fri Jul 20 05:09:32 2018
Response via : Initial Calibration

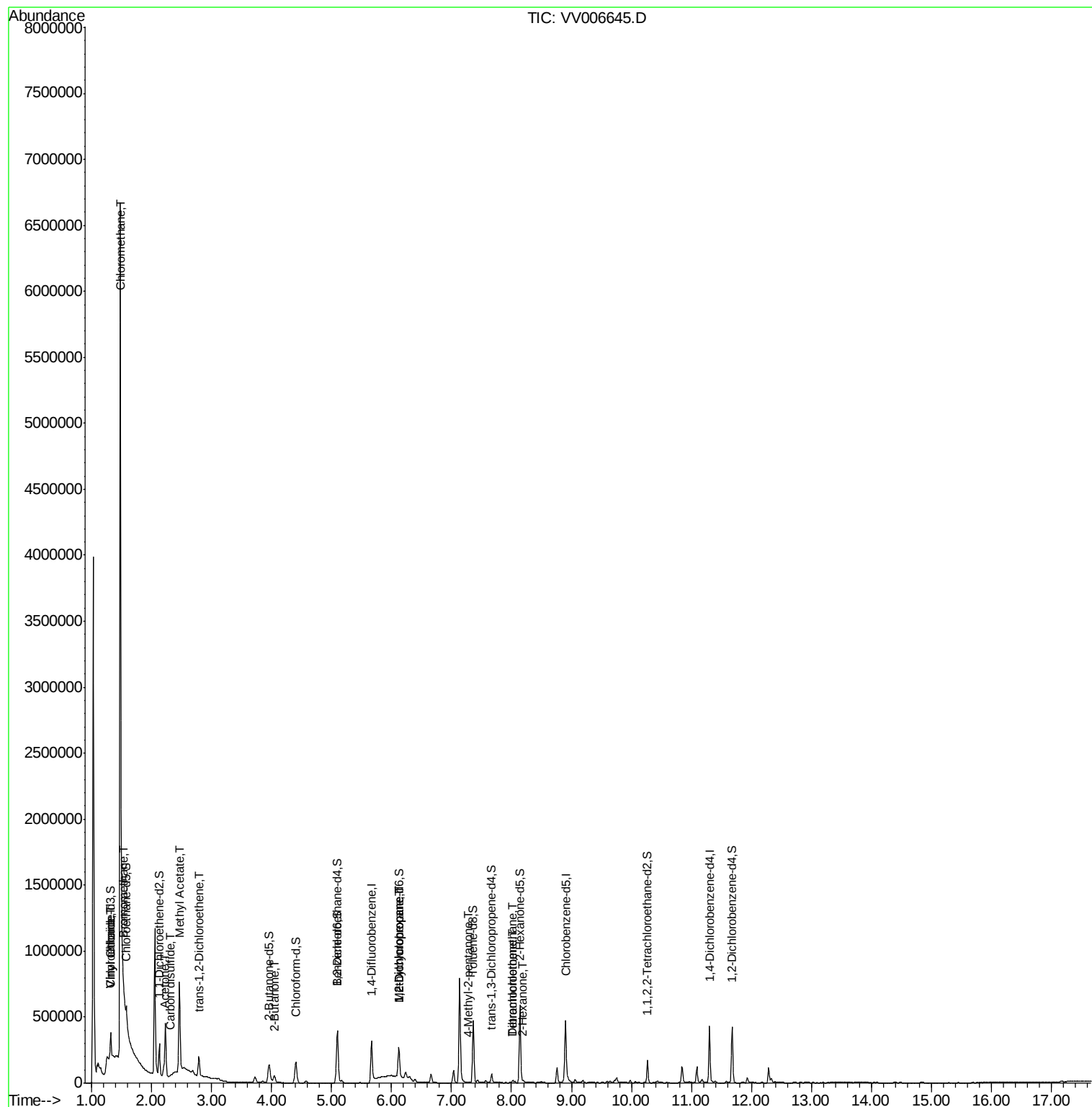
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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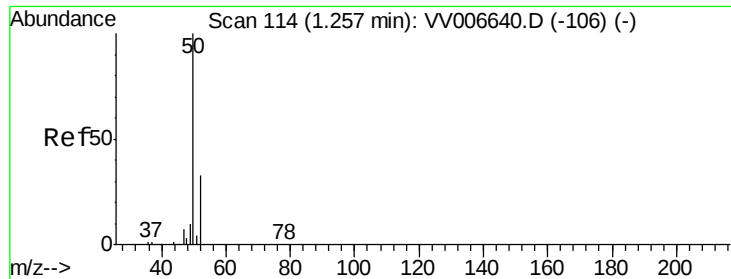
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 6.947 ug/L

RT: 1.48 min Scan# 183

Delta R.T. 0.22 min

Lab File: VV006645.D

Acq: 19 Jul 2018 16:21

Instrument :

MSVOA_V

ClientSampled :

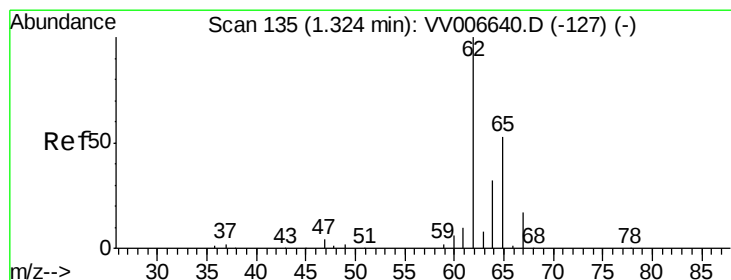
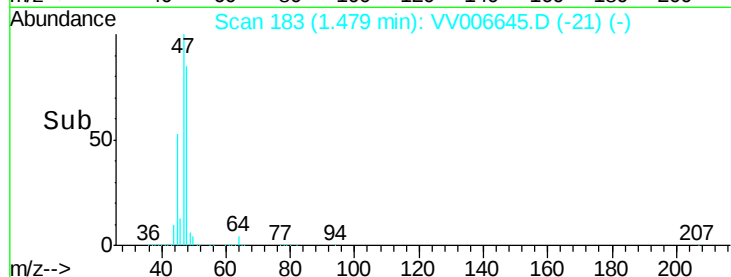
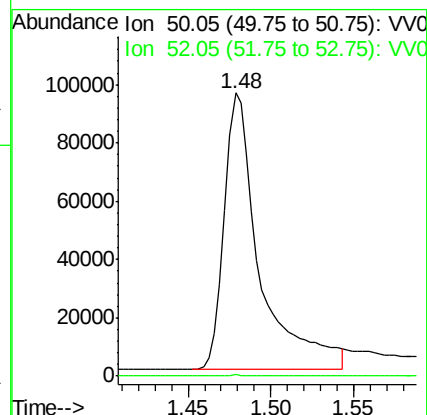
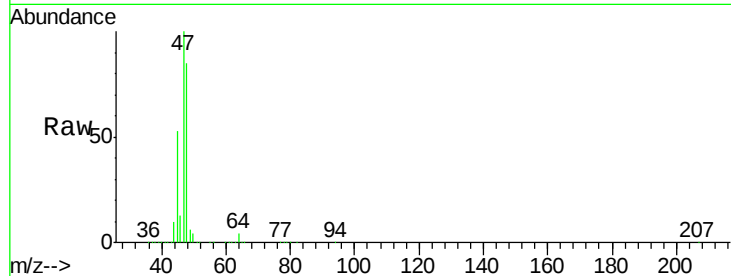
DB199

Tgt Ion: 50 Resp: 142024

Ion Ratio Lower Upper

50 100

52 0.4 23.2 43.0#



#5

Vinyl chloride

Concen: 2.646 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006645.D

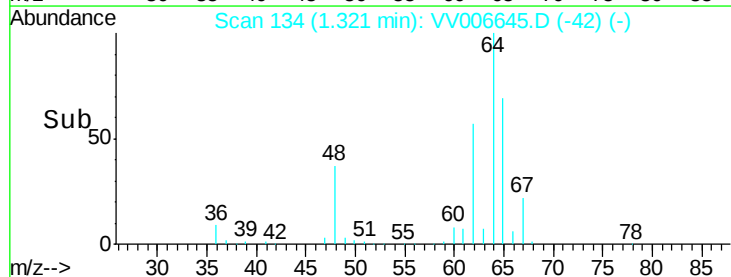
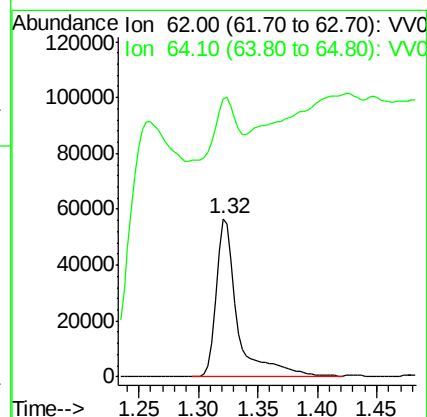
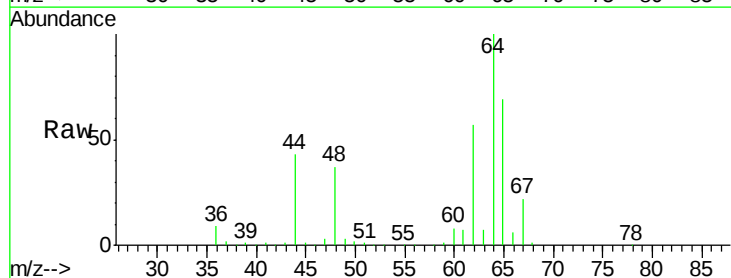
Acq: 19 Jul 2018 16:21

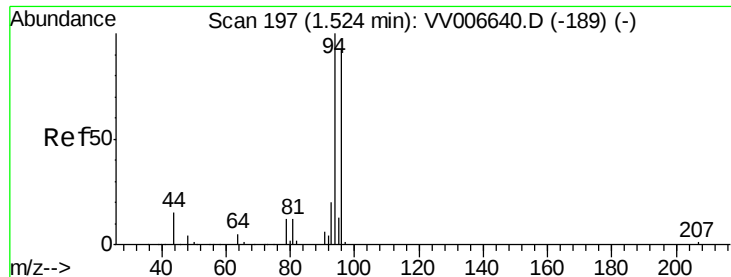
Tgt Ion: 62 Resp: 69872

Ion Ratio Lower Upper

62 100

64 175.7 23.7 44.1#





#6

Bromomethane

Concen: 0.435 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.02 min

Lab File: VV006645.D

Acq: 19 Jul 2018 16:21

Instrument :

MSVOA_V

ClientSampleId :

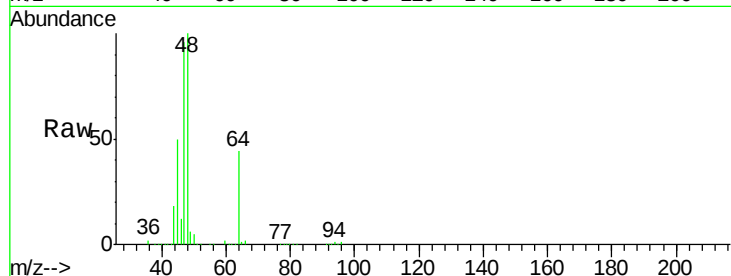
DB199

Tgt Ion: 94 Resp: 3255

Ion Ratio Lower Upper

94 100

96 83.0 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VV006645.D (-104) (-)

Ion 96.00 (95.70 to 96.70): VV006645.D (-104) (-)

2500

2000

1500

1000

500

0

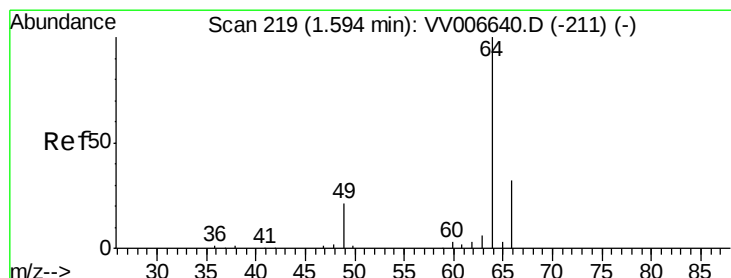
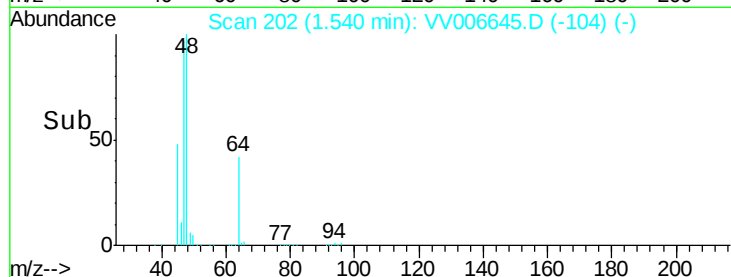
1.50

1.54

1.55

1.60

Time-->



#8

Chloroethane

Concen: 1.742 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.27 min

Lab File: VV006645.D

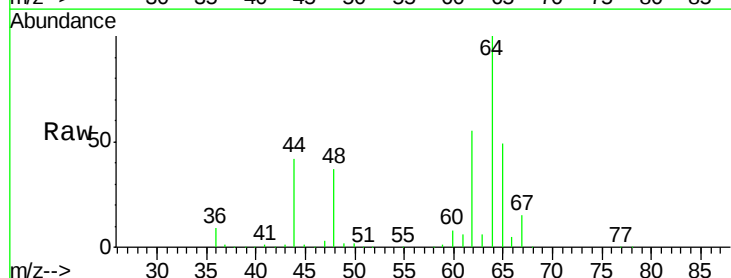
Acq: 19 Jul 2018 16:21

Tgt Ion: 64 Resp: 26430

Ion Ratio Lower Upper

64 100

66 5.2 21.1 39.3#



Abundance Ion 64.10 (63.80 to 64.80): VV006645.D (-126) (-)

Ion 66.05 (65.75 to 66.75): VV006645.D (-126) (-)

120000

100000

80000

60000

40000

20000

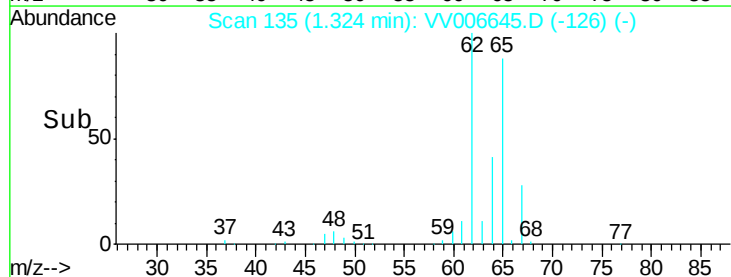
0

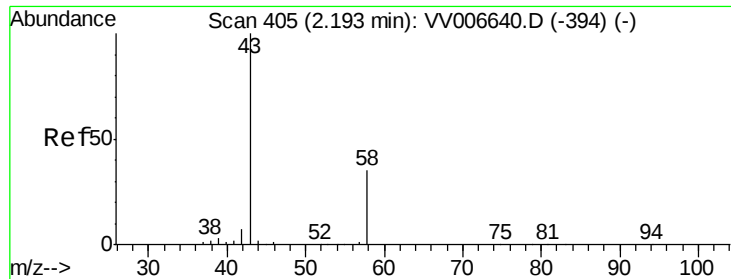
1.30

1.32

1.34

Time-->





#13

Acetone

Concen: 28.454 ug/L

RT: 2.21 min Scan# 410

Delta R.T. 0.02 min

Lab File: VV006645.D

Acq: 19 Jul 2018 16:21

Instrument :

MSVOA_V

ClientSampleId :

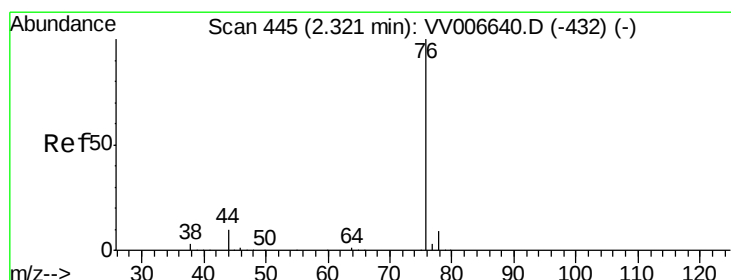
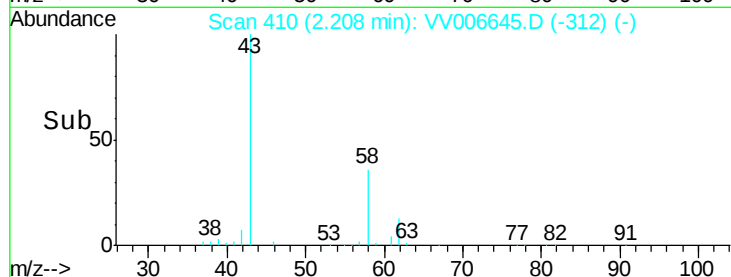
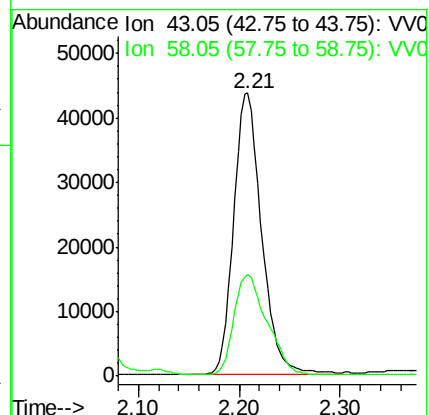
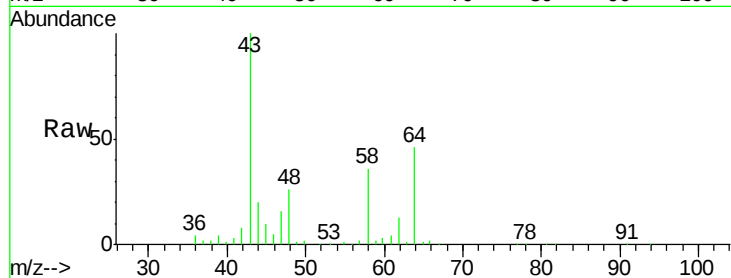
DB199

Tgt Ion: 43 Resp: 84567

Ion Ratio Lower Upper

43 100

58 41.5 0.0 72.8



#14

Carbon disulfide

Concen: 0.327 ug/L

RT: 2.32 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV006645.D

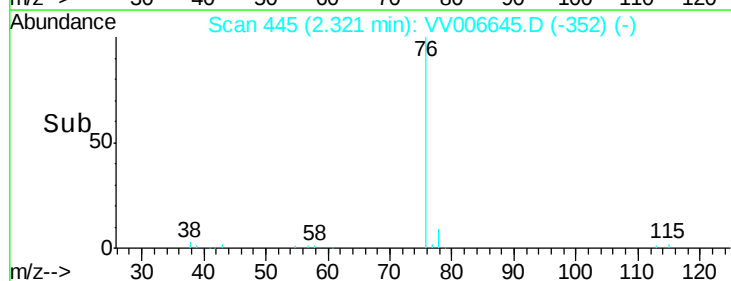
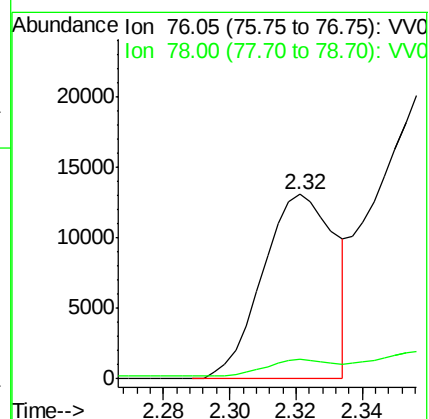
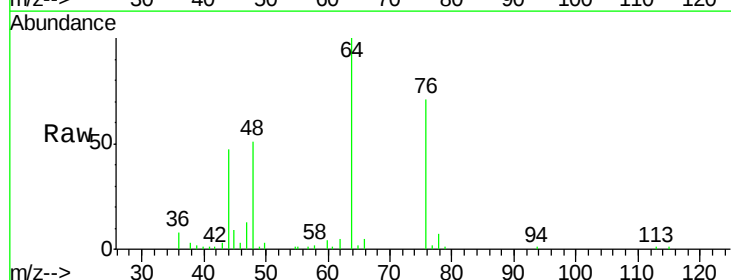
Acq: 19 Jul 2018 16:21

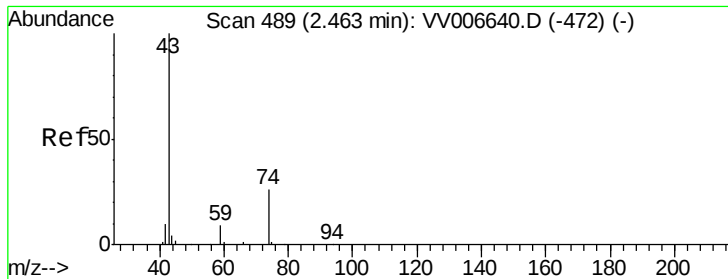
Tgt Ion: 76 Resp: 19931

Ion Ratio Lower Upper

76 100

78 10.4 7.3 10.9

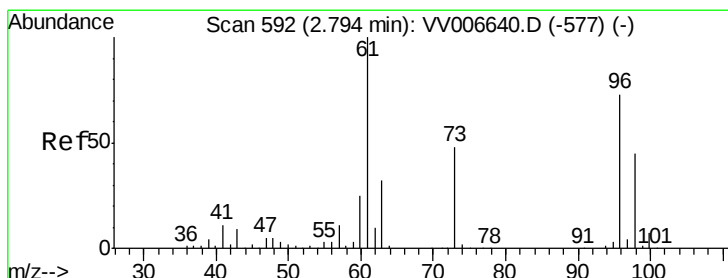
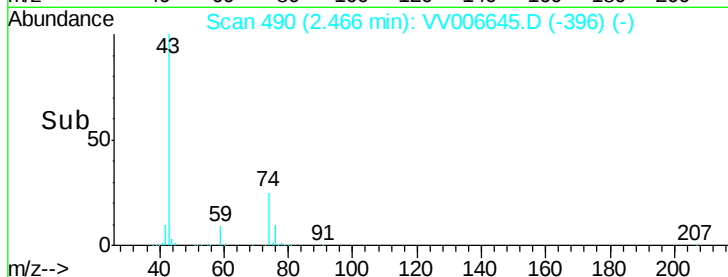
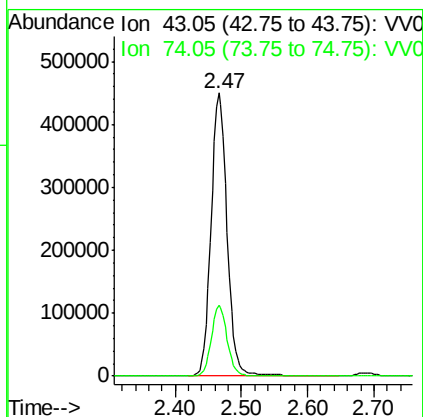
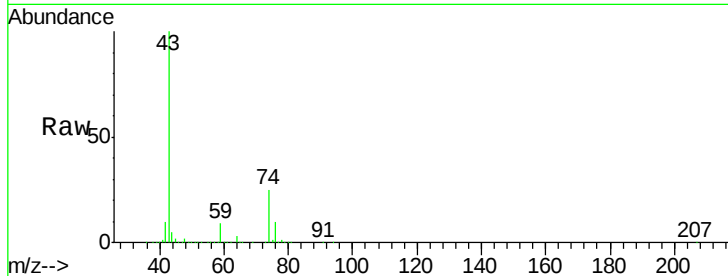




#15
Methyl Acetate
Concen: 85.894 ug/L
RT: 2.47 min Scan# 490
Delta R.T. 0.00 min
Lab File: VV006645.D
Acq: 19 Jul 2018 16:21

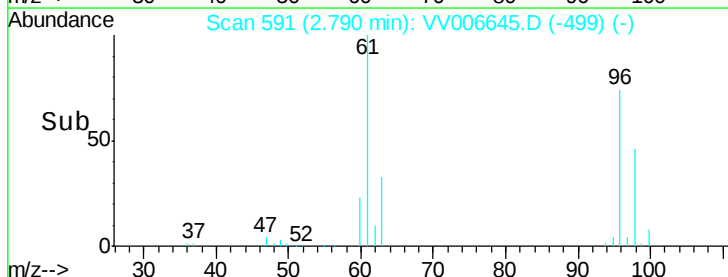
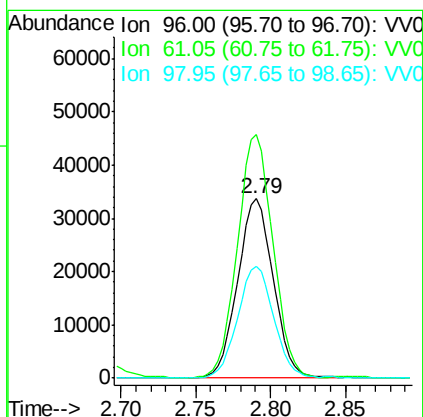
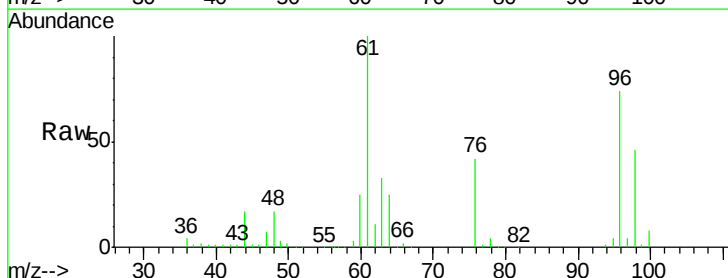
Instrument :
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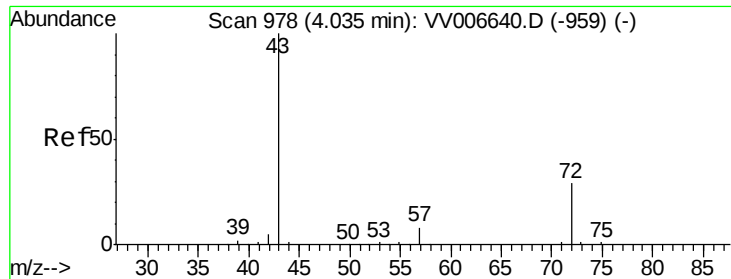
Tgt Ion: 43 Resp: 749006
Ion Ratio Lower Upper
43 100
74 24.9 20.3 30.5



#18
trans-1,2-Dichloroethene
Concen: 2.699 ug/L
RT: 2.79 min Scan# 591
Delta R.T. -0.00 min
Lab File: VV006645.D
Acq: 19 Jul 2018 16:21

Tgt Ion: 96 Resp: 55987
Ion Ratio Lower Upper
96 100
61 135.8 96.0 178.4
98 62.3 43.5 80.9





#21

2-Butanone

Concen: 15.934 ug/L

RT: 4.04 min Scan# 981

Delta R.T. 0.01 min

Lab File: VV006645.D

Acq: 19 Jul 2018 16:21

Instrument :

MSVOA_V

ClientSampleId :

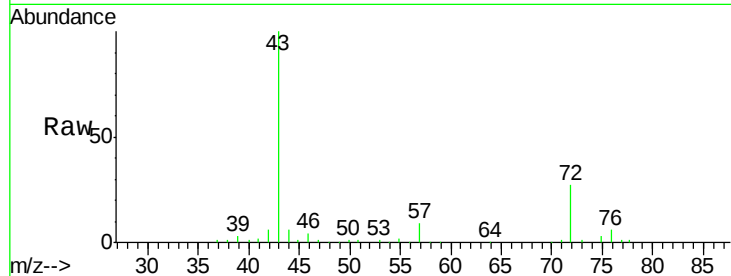
DB199

Tgt Ion: 43 Resp: 79319

Ion Ratio Lower Upper

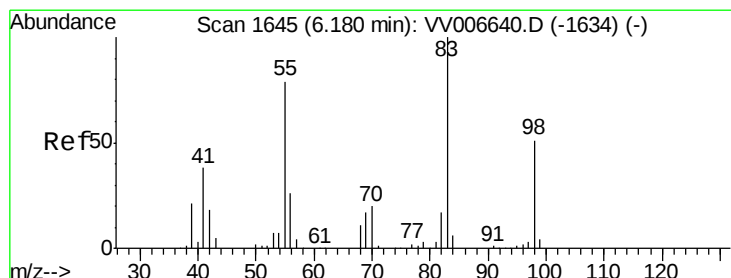
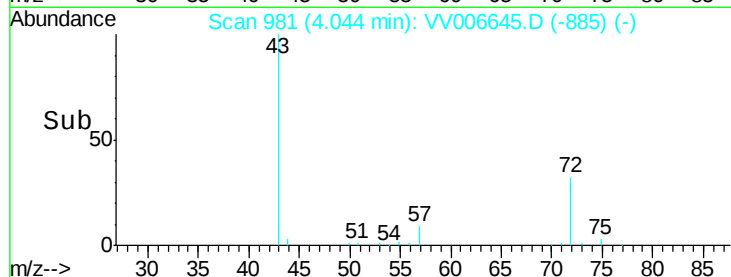
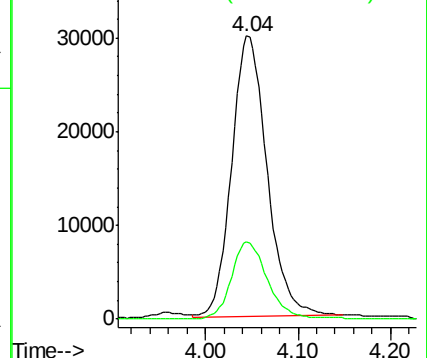
43 100

72 28.2 13.9 41.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



#35

Methylcyclohexane

Concen: 0.741 ug/L

RT: 6.12 min Scan# 1627

Delta R.T. -0.06 min

Lab File: VV006645.D

Acq: 19 Jul 2018 16:21

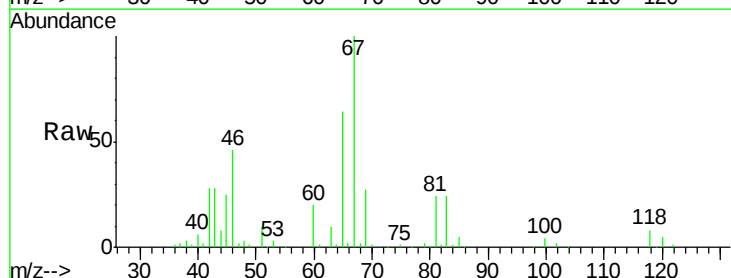
Tgt Ion: 83 Resp: 26412

Ion Ratio Lower Upper

83 100

55 0.2 61.3 91.9#

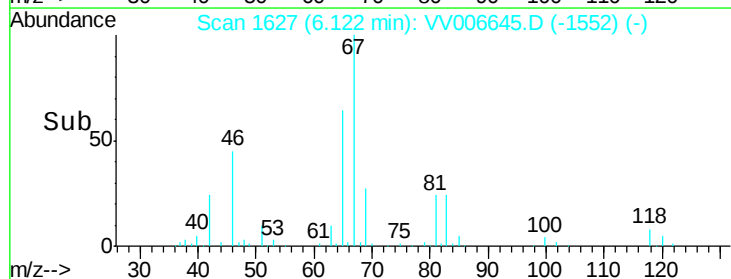
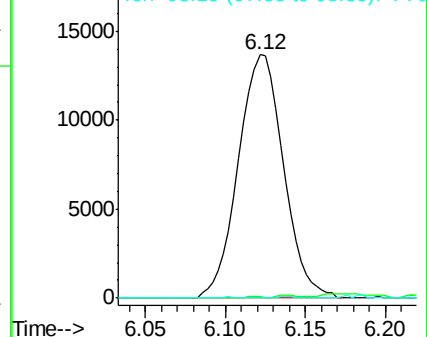
98 0.1 39.4 59.0#

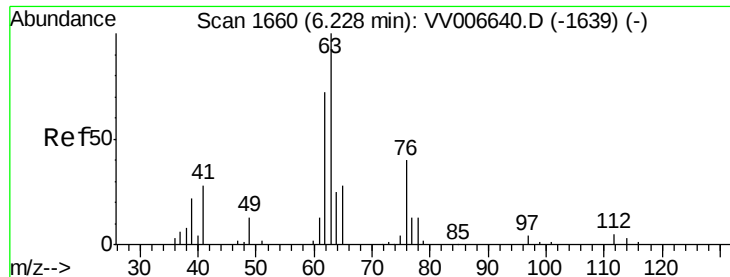


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

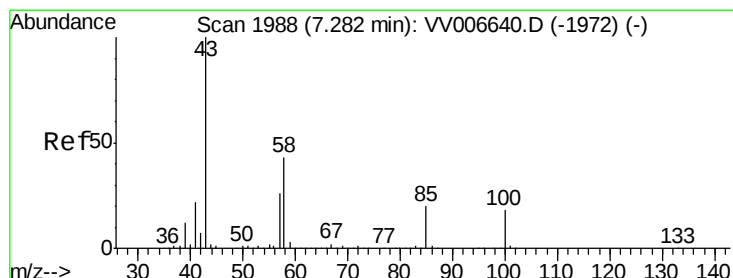
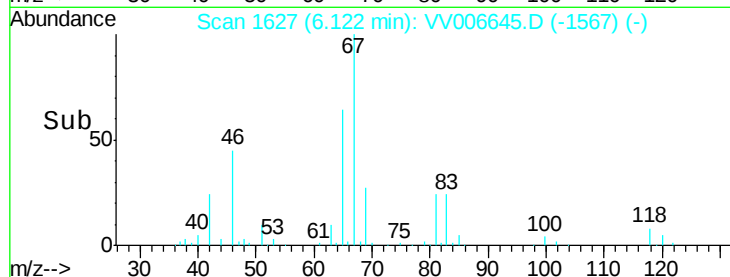
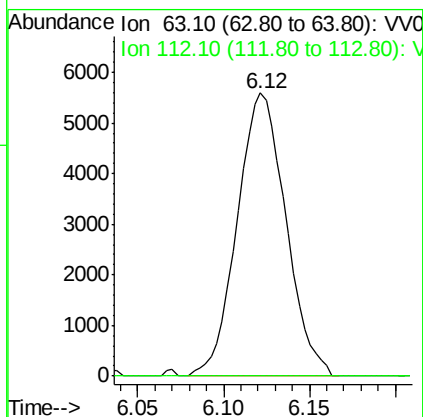
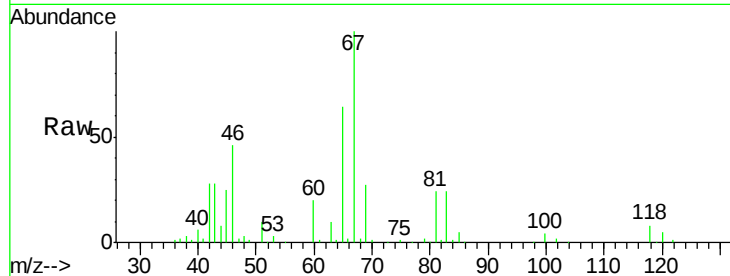




#37
 1,2-Dichloropropane
 Concen: 0.509 ug/L
 RT: 6.12 min Scan# 1627
 Delta R.T. -0.11 min
 Lab File: VV006645.D
 Acq: 19 Jul 2018 16:21

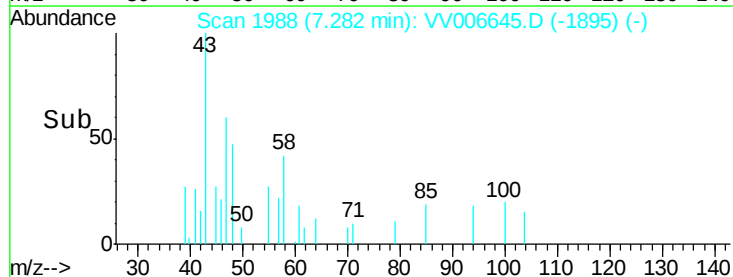
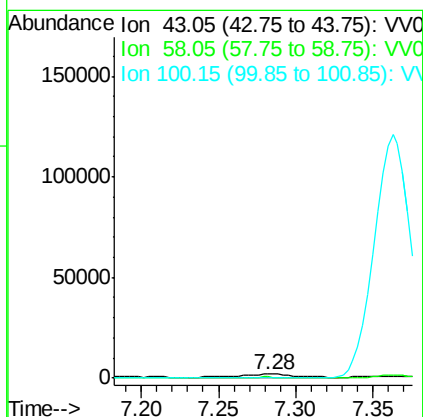
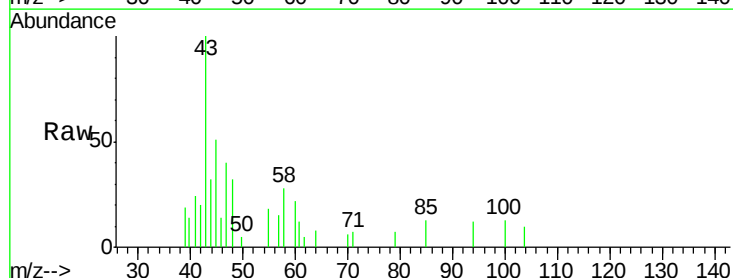
Instrument :
 MSVOA_V
 ClientSampleId :
 DB199

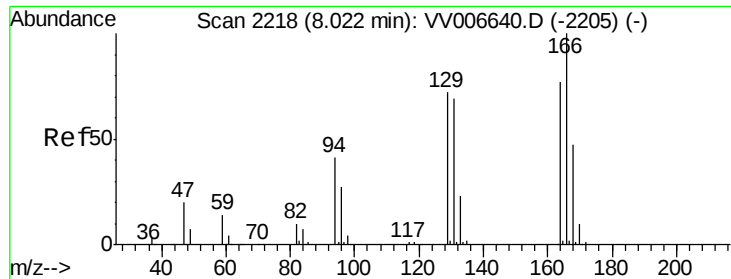
Tgt Ion: 63 Resp: 10962
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#40
 4-Methyl-2-pentanone
 Concen: 0.286 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VV006645.D
 Acq: 19 Jul 2018 16:21

Tgt Ion: 43 Resp: 3323
 Ion Ratio Lower Upper
 43 100
 58 28.0 33.6 50.4#
 100 0.0 13.8 20.8#

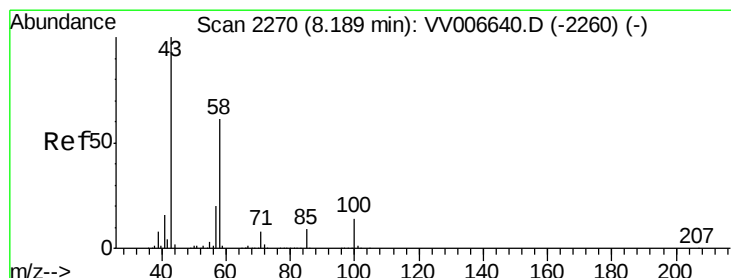
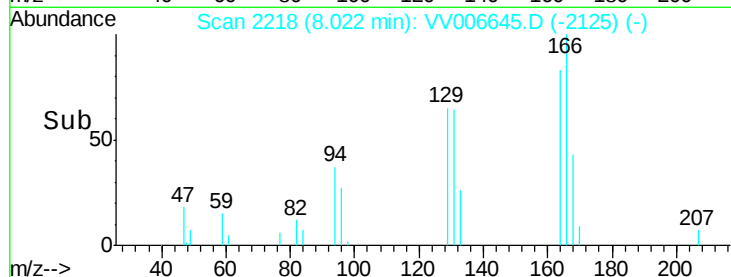
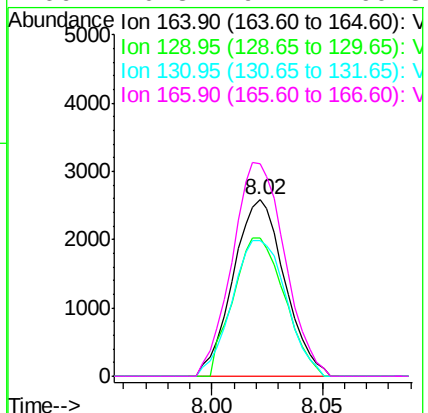
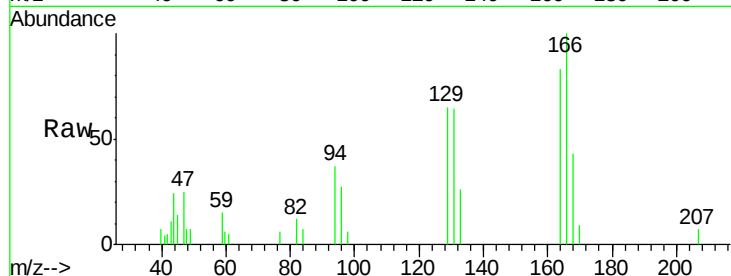




#47
Tetrachloroethene
Concen: 0.245 ug/L
RT: 8.02 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VV006645.D
Acq: 19 Jul 2018 16:21

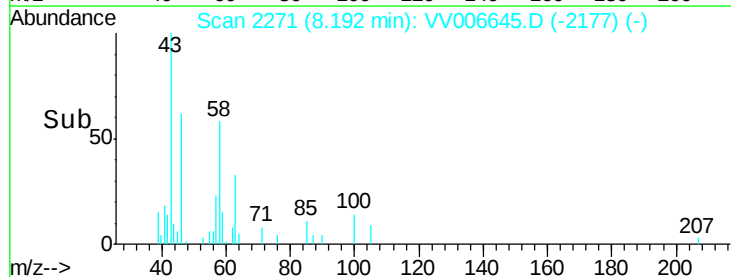
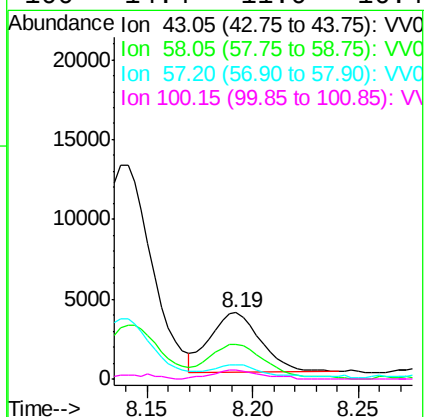
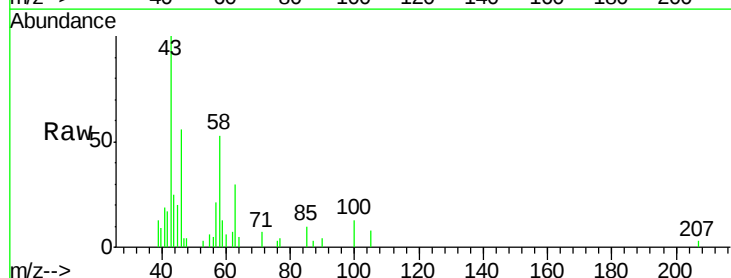
Instrument :
MSVOA_V
ClientSampleId :
DB199

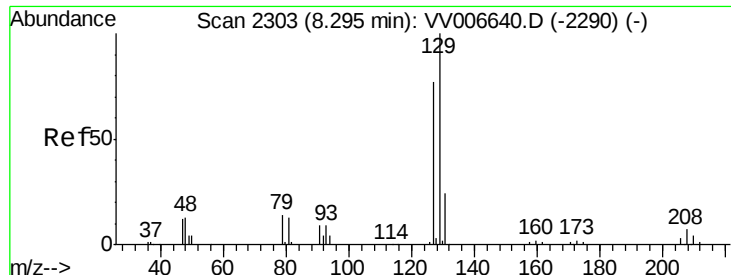
Tgt Ion:164 Resp: 4206
Ion Ratio Lower Upper
164 100
129 78.4 65.9 122.5
131 77.1 62.9 116.7
166 120.3 91.4 169.8



#48
2-Hexanone
Concen: 0.770 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006645.D
Acq: 19 Jul 2018 16:21

Tgt Ion: 43 Resp: 6267
Ion Ratio Lower Upper
43 100
58 66.4 48.2 72.2
57 21.0 16.2 24.4
100 14.4 11.0 16.4





#49

Dibromochloromethane

Concen: 0.207 ug/L

RT: 8.02 min Scan# 2217

Delta R.T. -0.28 min

Lab File: VV006645.D

Acq: 19 Jul 2018 16:21

Instrument :

MSVOA_V

ClientSampleId :

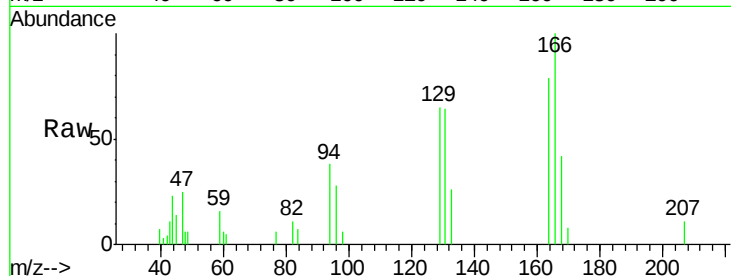
DB199

Tgt Ion:129 Resp: 3181

Ion Ratio Lower Upper

129 100

127 0.0 53.6 99.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

