

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101618\
 Data File : VV008296.D
 Acq On : 16 Oct 2018 14:00
 Operator : SY/MD
 Sample : J5406-07
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AK1

Quant Time: Oct 17 02:32:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 17 02:28:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	97387	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	85739	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	33698	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27289	4.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.20%
7) Chloroethane-d5	1.58	69	20488	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.13	63	47706	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.40%
20) 2-Butanone-d5	3.97	46	85413	46.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.54%
24) Chloroform-d	4.41	84	53951	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	5.09	65	28498	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
32) Benzene-d6	5.10	84	119516	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.12	67	40277	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.36	98	105220	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	7.67	79	13585	3.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.00%
46) 2-Hexanone-d5	8.14	63	48636	40.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.70%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22399	4.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	29858	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	1402	0.183	ug/L	85
8) Chloroethane	1.32	64	335	0.089	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	420	0.084	ug/L #	39
12) 1,1-Dichloroethene	2.14	96	15038	3.214	ug/L #	81
13) Acetone	2.22	43	4800	4.806	ug/L	88
15) Methyl Acetate	2.51	43	952	0.383	ug/L #	50
16) Methylene chloride	2.54	84	916	0.169	ug/L #	54
19) 1,1-Dichloroethane	3.23	63	908	0.087	ug/L #	70
22) cis-1,2-Dichloroethene	3.96	96	6734	0.829	ug/L #	95
25) Chloroform	4.43	83	2333	0.183	ug/L	92
29) 1,1,1-Trichloroethane	4.67	97	6075	0.569	ug/L	99
34) Trichloroethene	5.96	95	26886	3.358	ug/L	95
35) Methylcyclohexane	6.12	83	8486	0.629	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	4098	0.526	ug/L #	90
39) cis-1,3-Dichloropropene	7.03	75	1071	0.096	ug/L #	40
48) 2-Hexanone	8.19	43	20045	5.744	ug/L #	89

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QLast Update : Wed Oct 17 02:28:08 2018
Response via : Initial Calibration

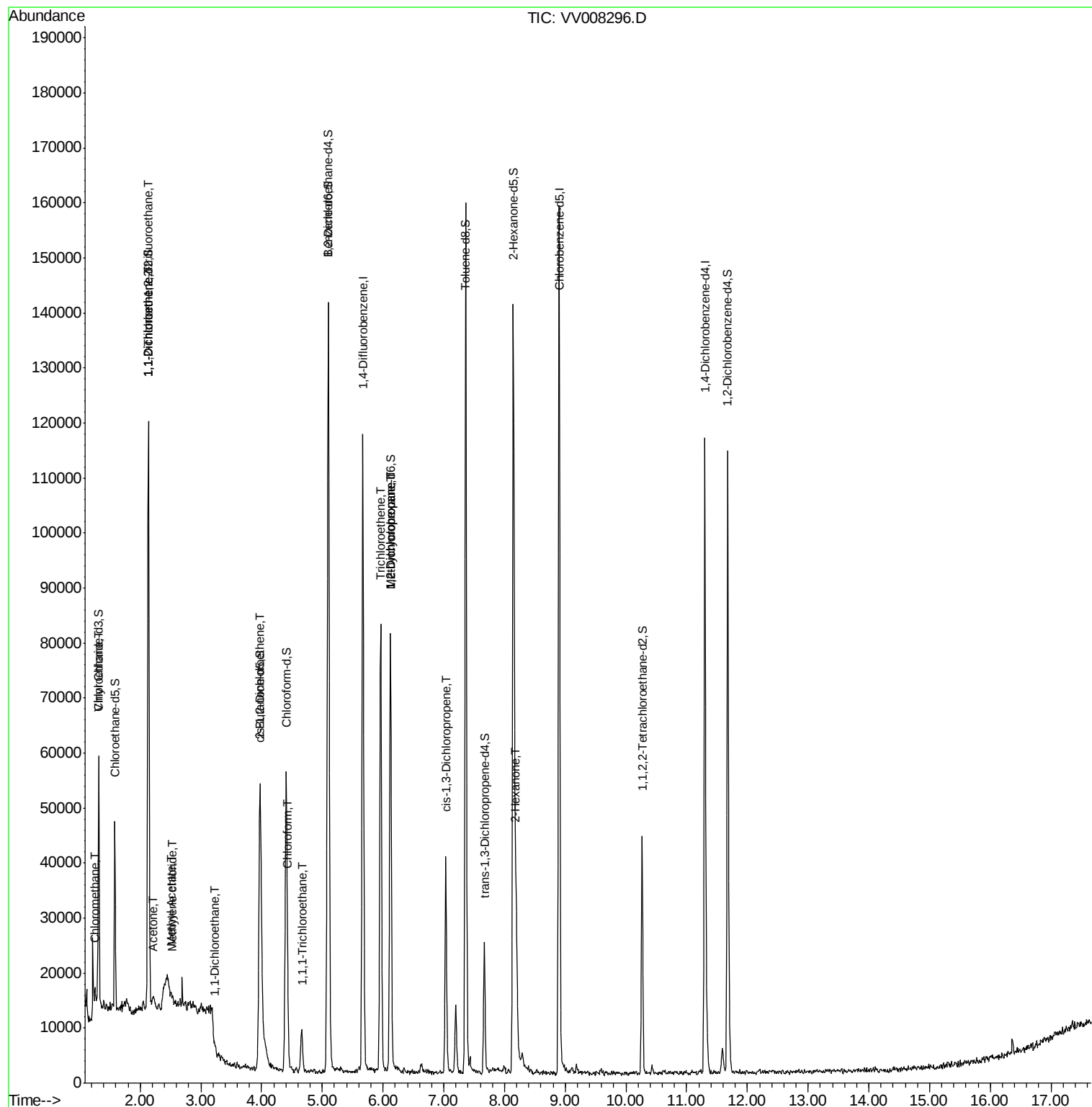
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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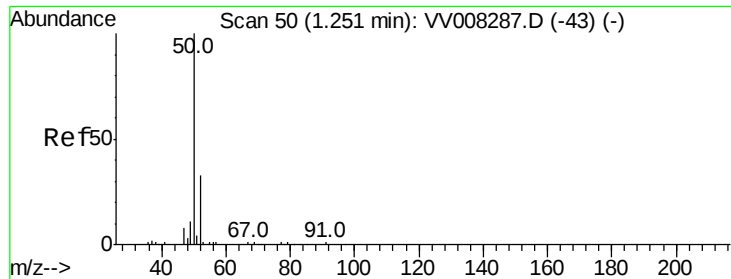
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 17 02:28:08 2018
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.183 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV008296.D

Acq: 16 Oct 2018 14:00

Instrument :

MSVOA_V

ClientSampled :

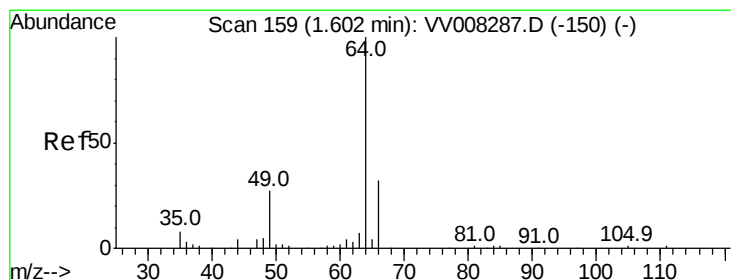
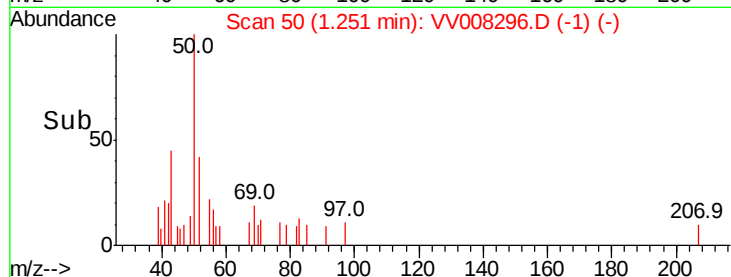
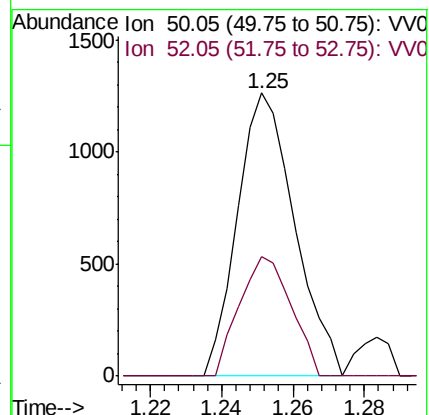
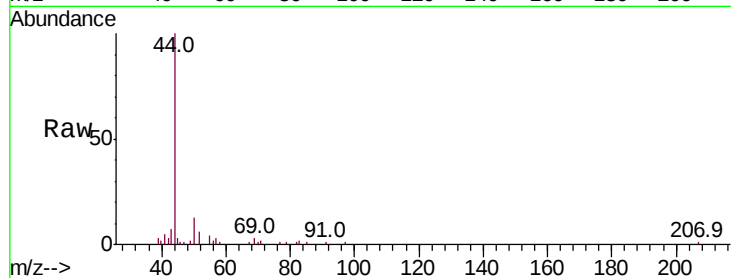
C0AK1

Tot Ion: 50 Resp: 1402

Ion Ratio Lower Upper

50 100

52 42.2 23.7 43.9



#8

Chloroethane

Concen: 0.089 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV008296.D

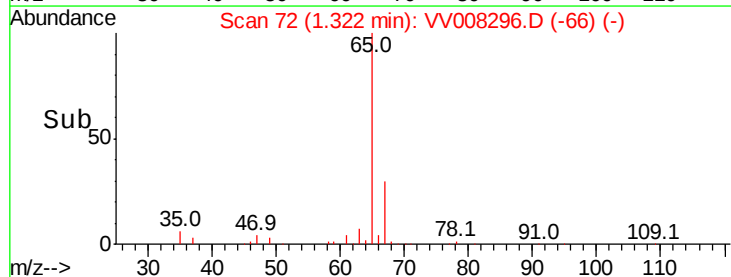
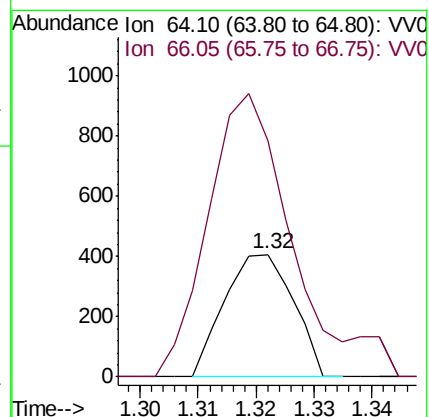
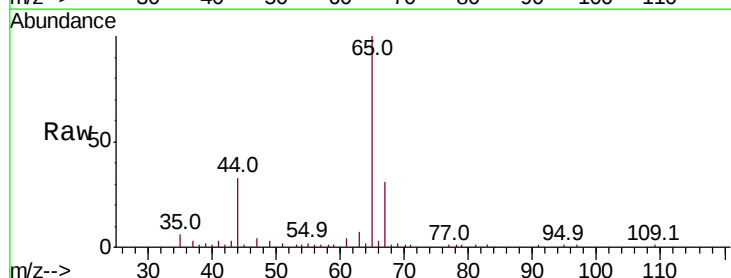
Acq: 16 Oct 2018 14:00

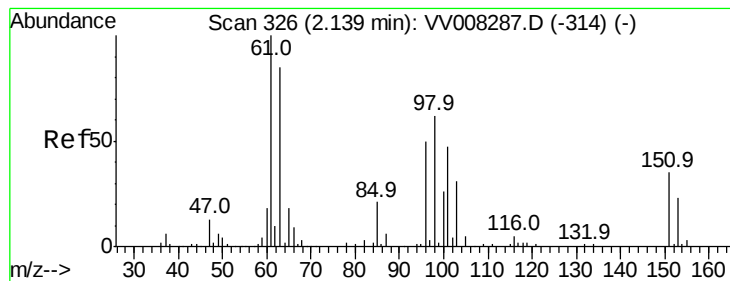
Tgt Ion: 64 Resp: 335

Ion Ratio Lower Upper

64 100

66 192.6 22.5 41.9#





#10

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

Concen: 0.084 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008296.D

Acq: 16 Oct 2018 14:00

Instrument :

MSVOA_V

ClientSampleId :

C0AK1

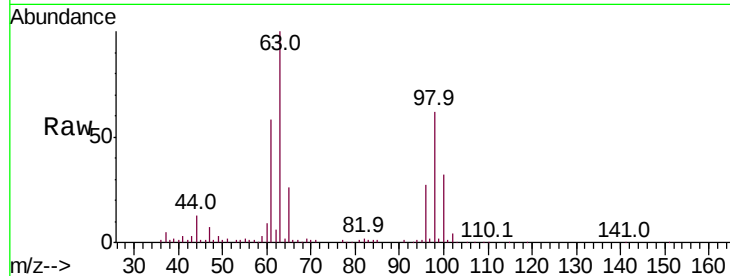
Tot Ion:101 Resp: 420

Ion Ratio Lower Upper

101 100

85 28.1 37.4 56.2#

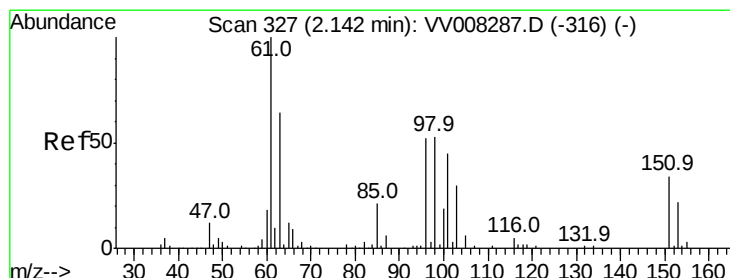
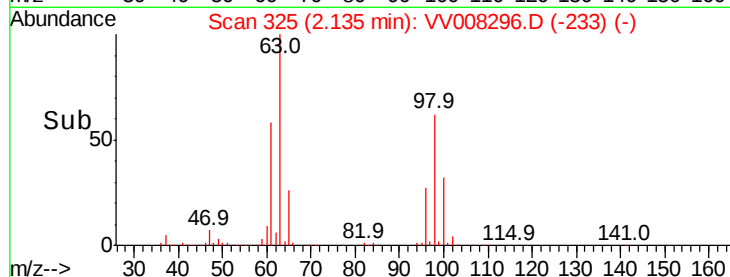
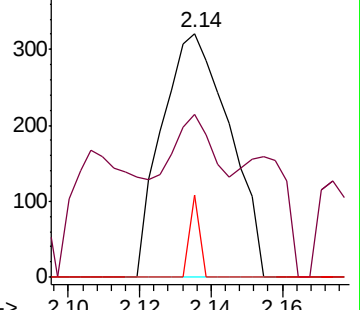
151 5.0 59.0 88.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 3.214 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008296.D

Acq: 16 Oct 2018 14:00

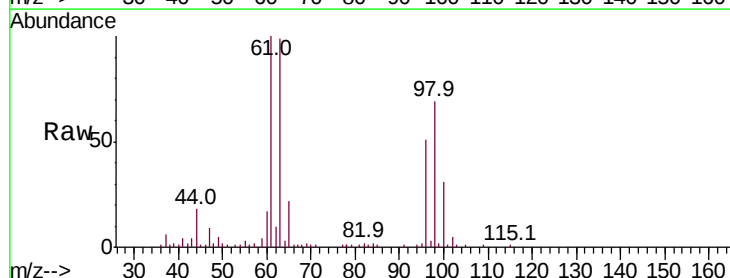
Tgt Ion: 96 Resp: 15038

Ion Ratio Lower Upper

96 100

61 194.2 129.9 241.3

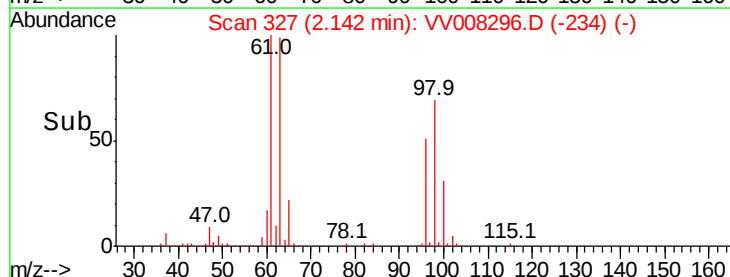
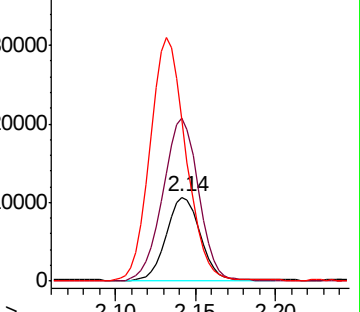
63 192.4 103.0 191.4#

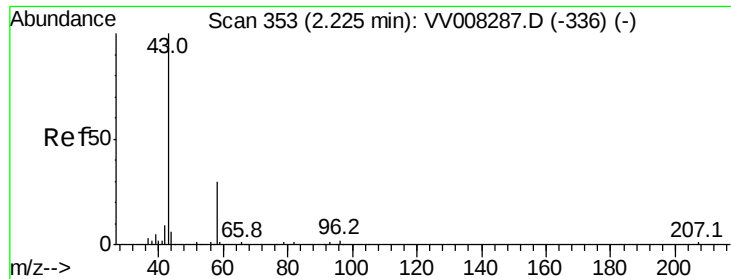


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.806 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.00 min

Lab File: VV008296.D

Acq: 16 Oct 2018 14:00

Instrument :

MSVOA_V

ClientSampleId :

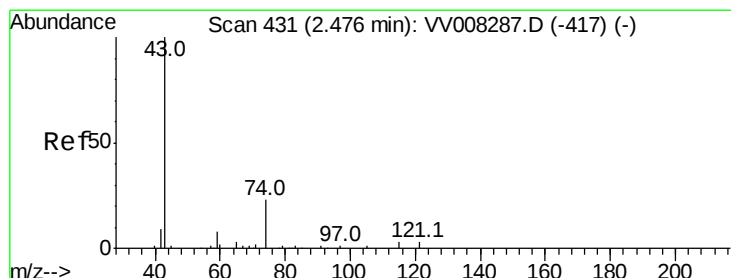
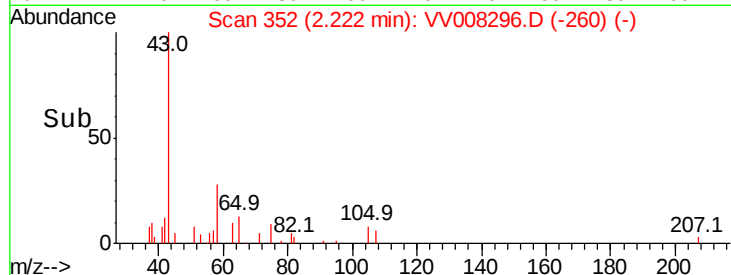
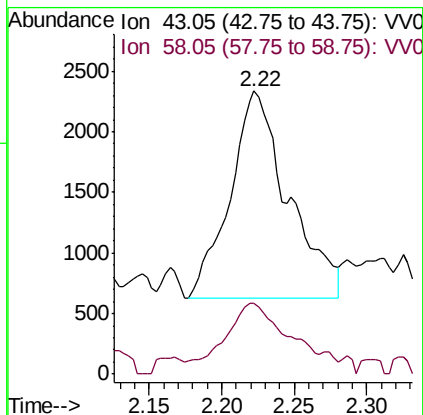
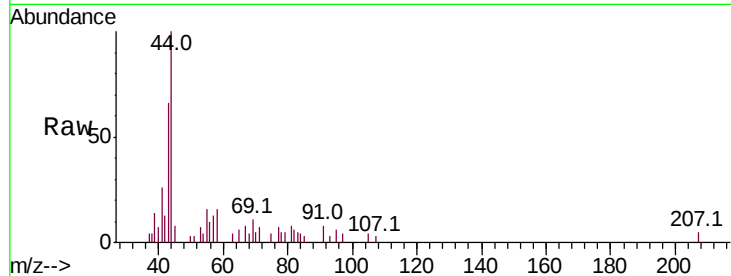
C0AK1

Tot Ion: 43 Resp: 4800

Ion Ratio Lower Upper

43 100

58 24.4 0.0 62.0



#15

Methyl Acetate

Concen: 0.383 ug/L

RT: 2.51 min Scan# 441

Delta R.T. 0.03 min

Lab File: VV008296.D

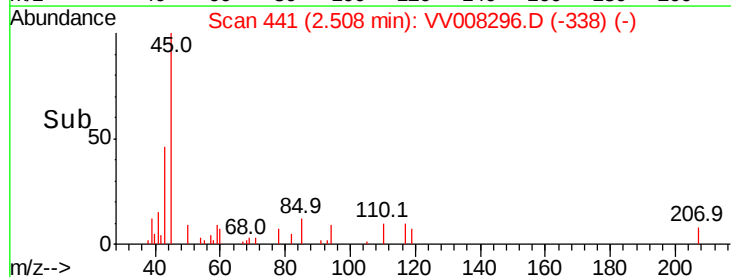
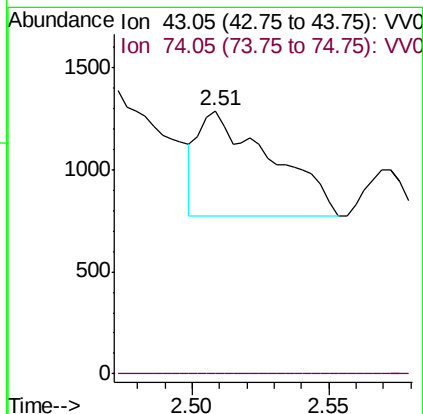
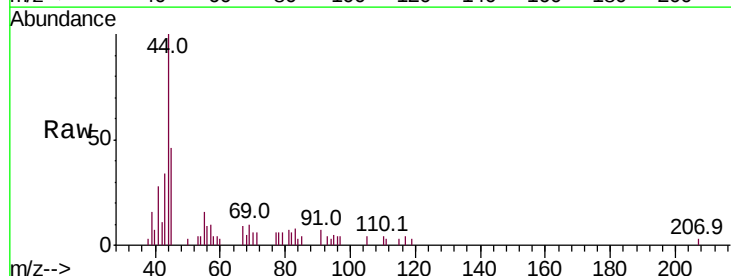
Acq: 16 Oct 2018 14:00

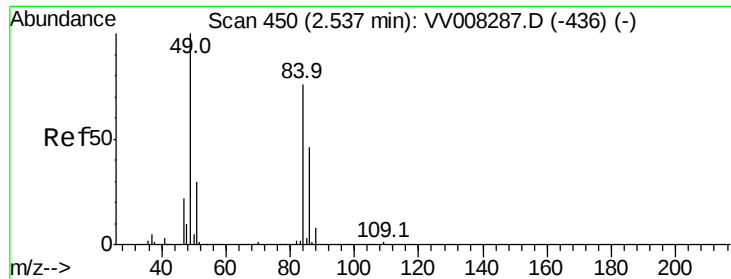
Tgt Ion: 43 Resp: 952

Ion Ratio Lower Upper

43 100

74 0.0 20.0 30.0#

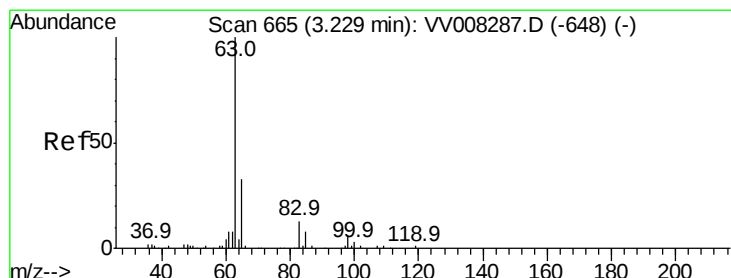
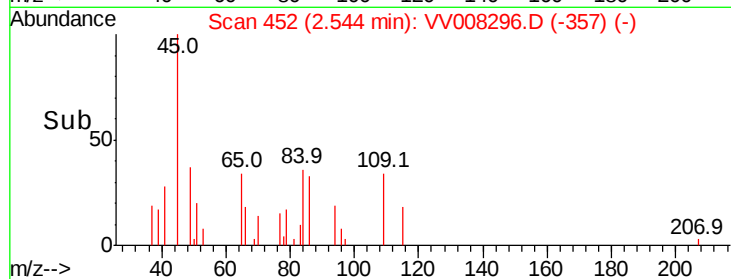
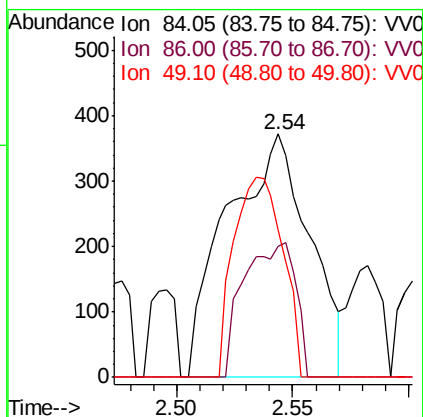
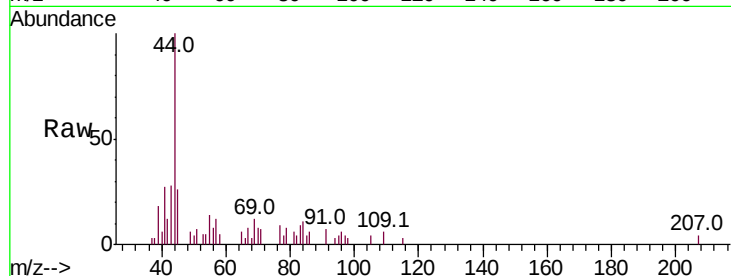




#16
Methvlene chloride
Concen: 0.169 ug/L
RT: 2.54 min Scan# 452
Delta R.T. 0.01 min
Lab File: VV008296.D
Acq: 16 Oct 2018 14:00

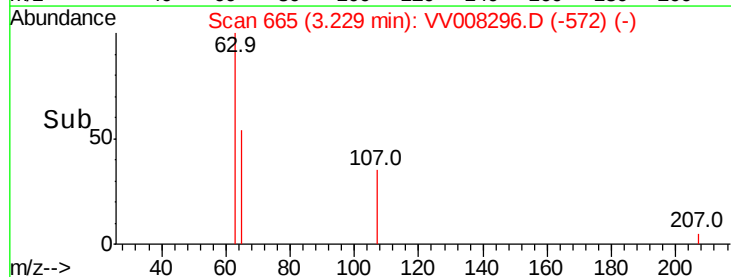
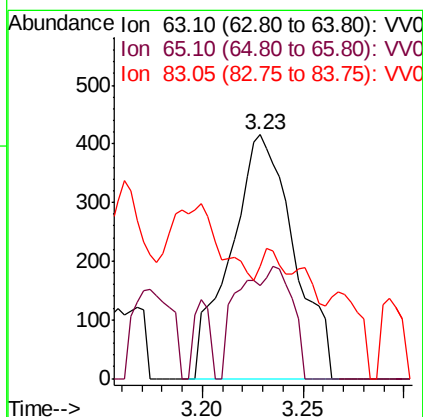
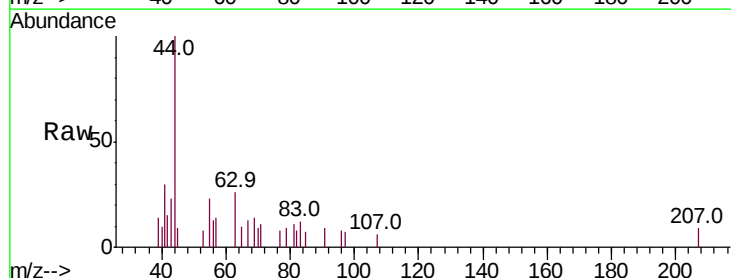
Instrument :
MSVOA_V
ClientSampleId :
C0AK1

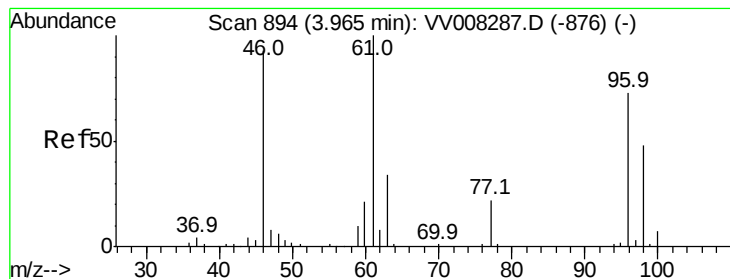
Tot Ion: 84 Resp: 916
Ion Ratio Lower Upper
84 100
86 53.8 45.0 83.6
49 60.5 92.9 172.5#



#19
1,1-Dichloroethane
Concen: 0.087 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VV008296.D
Acq: 16 Oct 2018 14:00

Tgt Ion: 63 Resp: 908
Ion Ratio Lower Upper
63 100
65 38.0 22.6 42.0
83 45.9 11.0 20.4#





#22

cis-1,2-Dichloroethene

Concen: 0.829 ug/L

RT: 3.96 min Scan# 893

Delta R.T. -0.00 min

Lab File: VV008296.D

Acq: 16 Oct 2018 14:00

Instrument :

MSVOA_V

ClientSampleId :

C0AK1

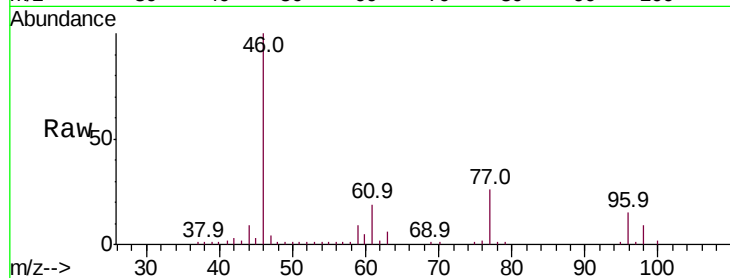
Tot Ion: 96 Resp: 6734

Ion Ratio Lower Upper

96 100

61 127.7 93.7 174.1

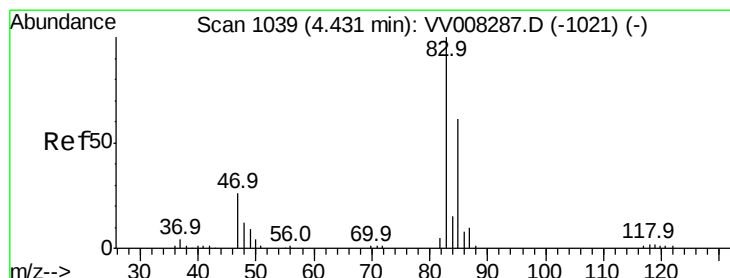
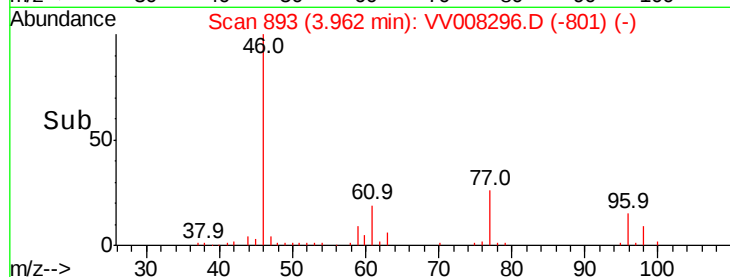
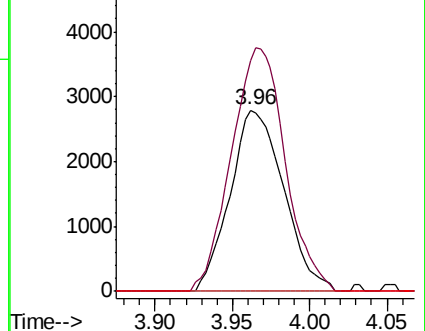
68 0.0 0.6 1.2#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0



#25

Chloroform

Concen: 0.183 ug/L

RT: 4.43 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VV008296.D

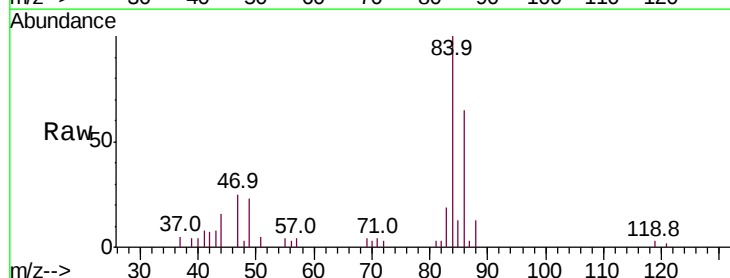
Acq: 16 Oct 2018 14:00

Tgt Ion: 83 Resp: 2333

Ion Ratio Lower Upper

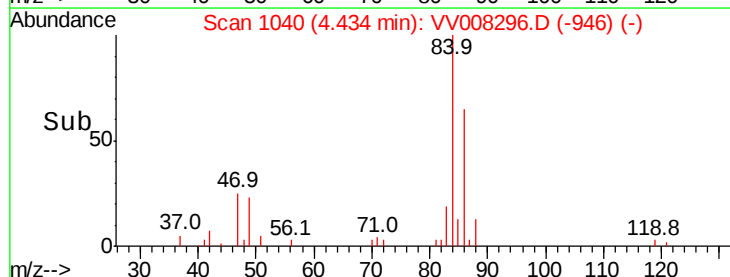
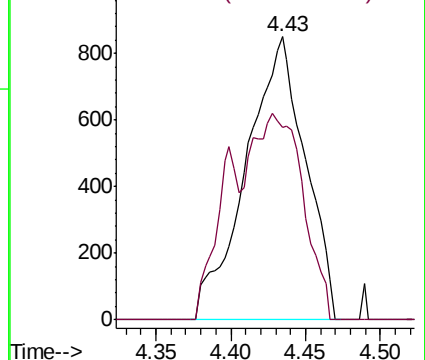
83 100

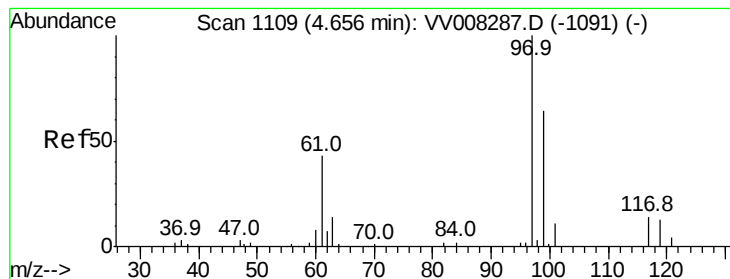
85 68.0 43.4 80.6



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#29

1,1,1-Trichloroethane

Concen: 0.569 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VV008296.D

Acq: 16 Oct 2018 14:00

Instrument :

MSVOA_V

ClientSampled :

C0AK1

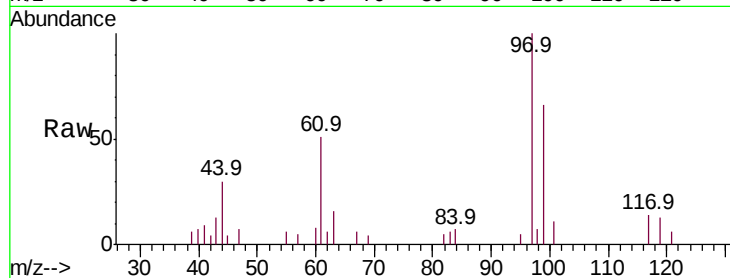
Tot Ion: 97 Resp: 6075

Ion Ratio Lower Upper

97 100

99 63.4 51.6 77.4

61 45.7 37.0 55.6

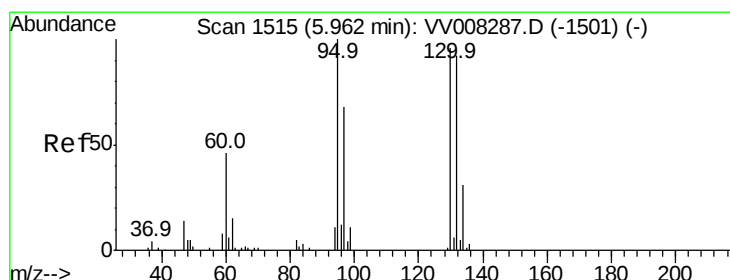
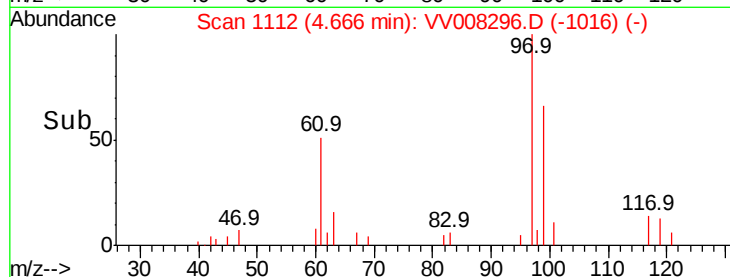
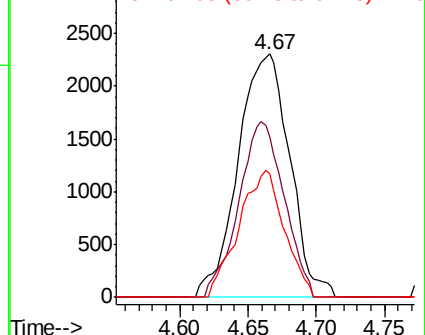


Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#34

Trichloroethene

Concen: 3.358 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008296.D

Acq: 16 Oct 2018 14:00

Tgt Ion: 95 Resp: 26886

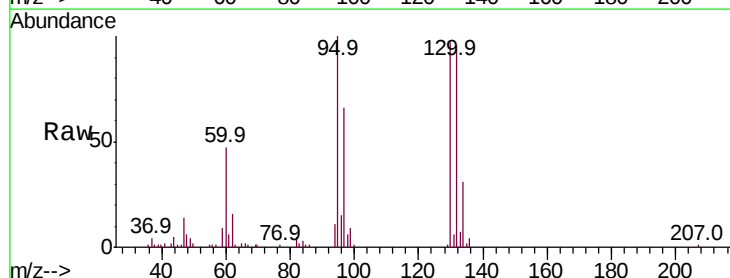
Ion Ratio Lower Upper

95 100

97 66.1 44.4 82.4

132 93.6 60.4 112.2

130 97.4 65.5 121.7



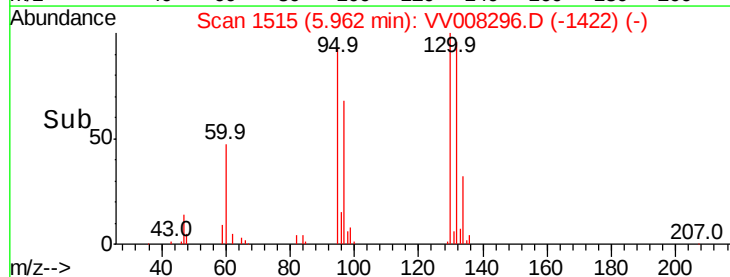
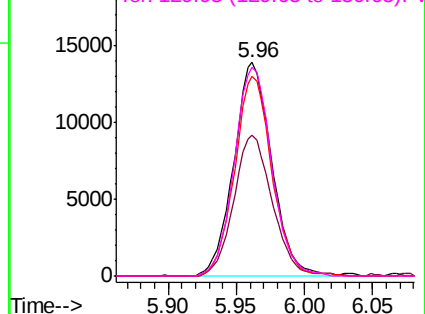
Abundance

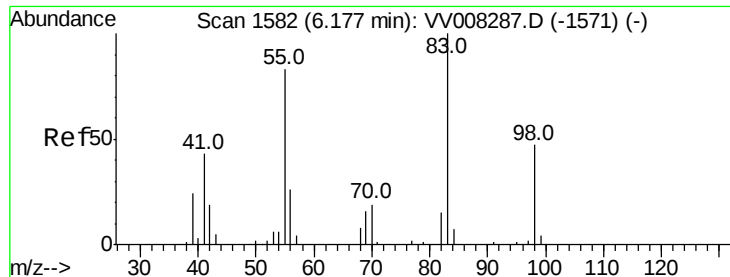
Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

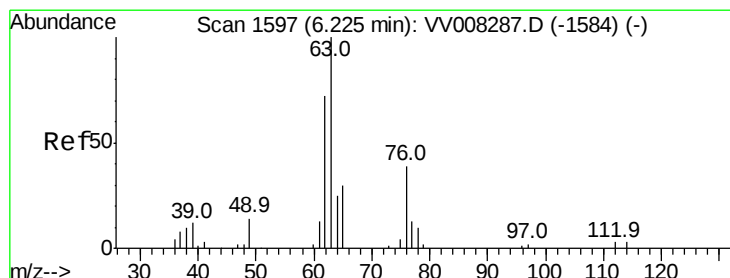
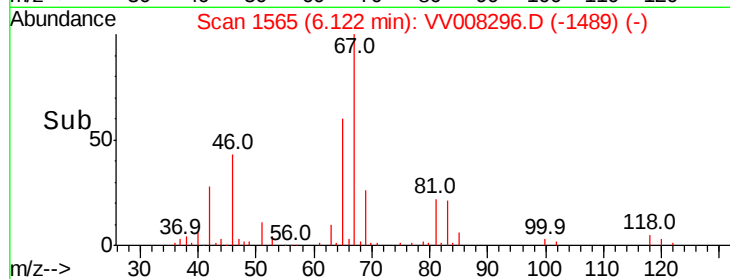
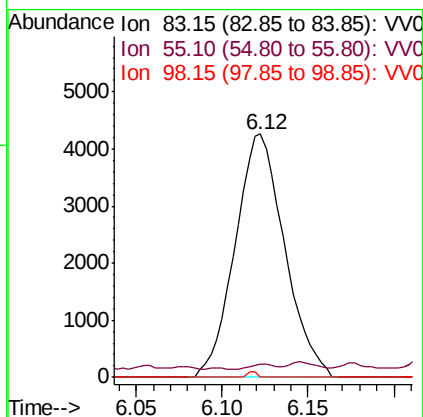
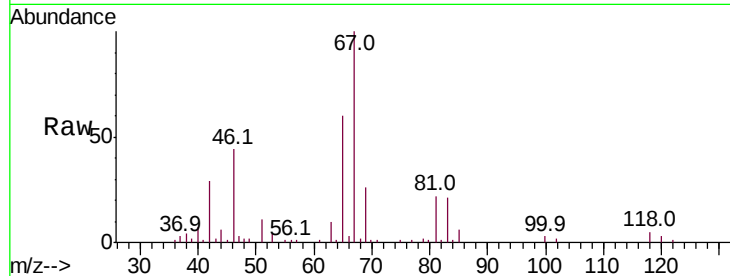




#35
Methvlcvclohexane
Concen: 0.629 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.05 min
Lab File: VV008296.D
Acq: 16 Oct 2018 14:00

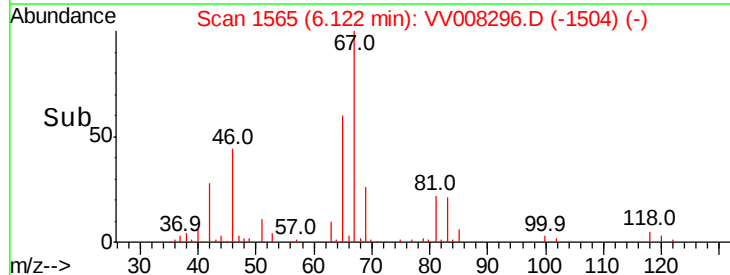
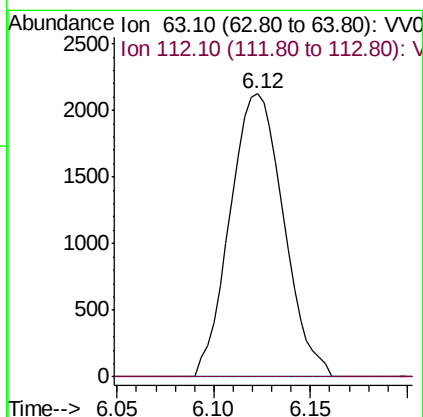
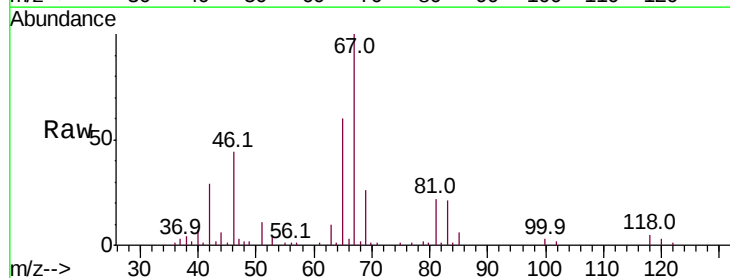
Instrument :
MSVOA_V
ClientSampleId :
C0AK1

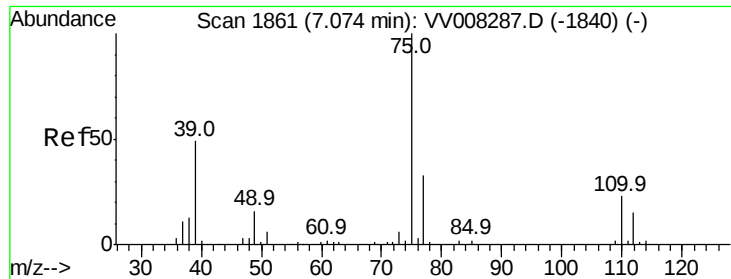
Tot Ion: 83 Resp: 8486
Ion Ratio Lower Upper
83 100
55 1.2 64.0 96.0#
98 0.5 37.0 55.4#



#37
1,2-Dichloropropane
Concen: 0.526 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.10 min
Lab File: VV008296.D
Acq: 16 Oct 2018 14:00

Tgt Ion: 63 Resp: 4098
Ion Ratio Lower Upper
63 100
112 0.0 2.6 3.8#





#39

cis-1,3-Dichloropropene

Concen: 0.096 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV008296.D

Acq: 16 Oct 2018 14:00

Instrument :

MSVOA_V

ClientSampleId :

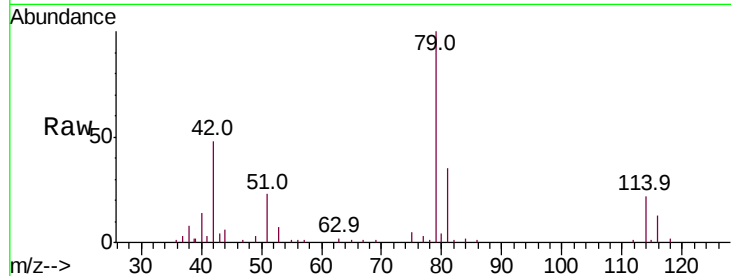
C0AK1

Tot Ion: 75 Resp: 1071

Ion Ratio Lower Upper

75 100

77 65.4 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV008287.D (-1840) (-)

Ion 77.05 (76.75 to 77.75): VV008287.D (-1840) (-)

7.03

600

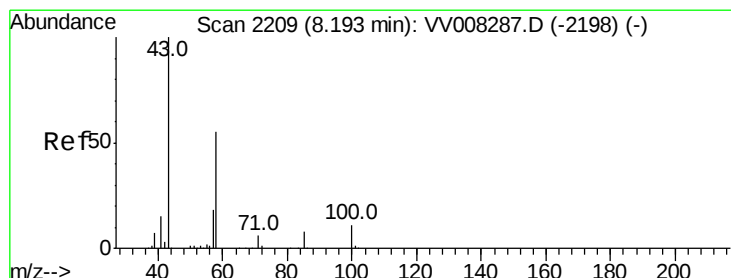
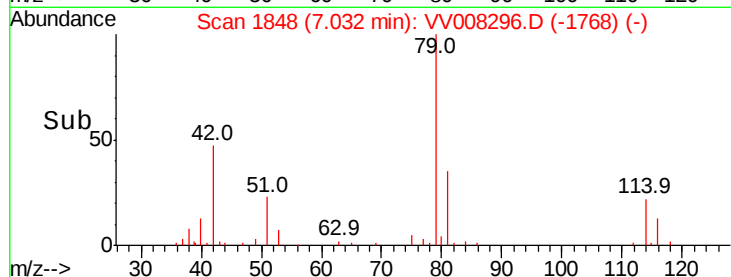
400

200

0

7.00 7.05

Time-->



#48

2-Hexanone

Concen: 5.744 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VV008296.D

Acq: 16 Oct 2018 14:00

Tgt Ion: 43 Resp: 20045

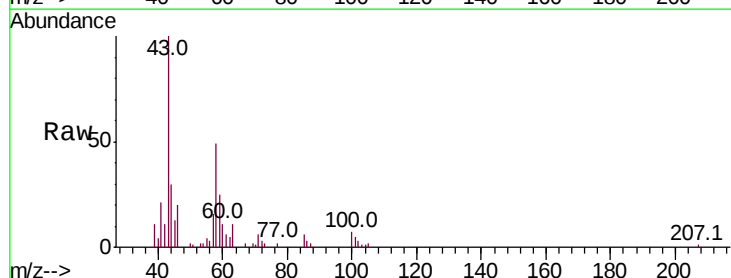
Ion Ratio Lower Upper

43 100

58 45.7 45.0 67.4

57 16.1 14.4 21.6

100 7.2 7.9 11.9#



Abundance Ion 43.05 (42.75 to 43.75): VV008287.D (-2198) (-)

Ion 58.05 (57.75 to 58.75): VV008287.D (-2198) (-)

Ion 57.20 (56.90 to 57.90): VV008287.D (-2198) (-)

Ion 100.15 (99.85 to 100.85): VV008287.D (-2198) (-)

8.19

10000

5000

0

8.15 8.20 8.25

Time-->

