

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101618\
 Data File : VV008302.D
 Acq On : 16 Oct 2018 17:19
 Operator : SY/MD
 Sample : J5406-13
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AK7

Quant Time: Oct 17 02:32:49 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	82680	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	73548	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	28524	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22813	4.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.60%
7) Chloroethane-d5	1.58	69	18011	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	2.13	63	32449	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	3.98	46	76825	49.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.04%
24) Chloroform-d	4.41	84	46574	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.09	65	25220	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.10	84	102971	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.12	67	35263	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.36	98	90648	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	7.67	79	11379	3.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.20%
46) 2-Hexanone-d5	8.14	63	43848	42.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.82%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	20005	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	26826	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

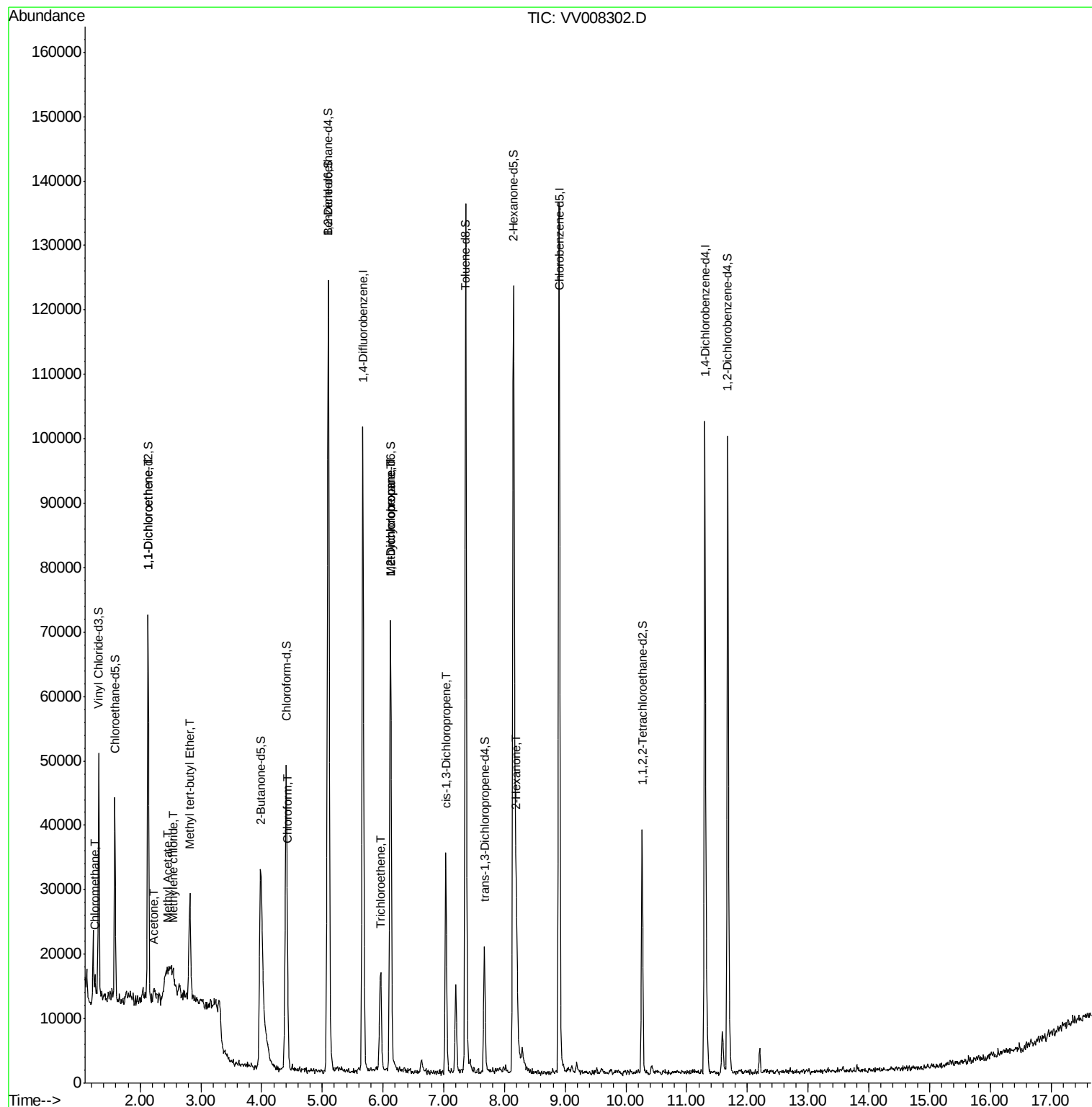
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	1091	0.168	ug/L	97
12) 1,1-Dichloroethene	2.14	96	467	0.118	ug/L #	1
13) Acetone	2.23	43	3630	4.281	ug/L	81
15) Methyl Acetate	2.45	43	447	0.212	ug/L #	50
16) Methylene chloride	2.53	84	900	0.196	ug/L #	62
17) Methyl tert-butyl Ether	2.82	73	17160	1.521	ug/L	98
25) Chloroform	4.43	83	1235	0.114	ug/L	99
34) Trichloroethene	5.96	95	4382	0.638	ug/L	98
35) Methylcyclohexane	6.12	83	7996	0.690	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	3528	0.528	ug/L #	90
39) cis-1,3-Dichloropropene	7.04	75	807	0.085	ug/L #	39
48) 2-Hexanone	8.20	43	18623	6.221	ug/L #	92

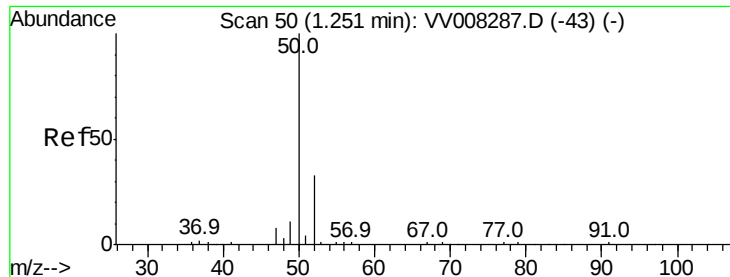
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.168 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV008302.D

Acq: 16 Oct 2018 17:19

Instrument :

MSVOA_V

ClientSampleId :

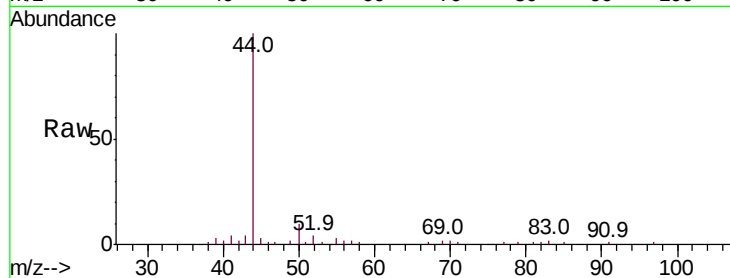
C0AK7

Tot Ion: 50 Resp: 1091

Ion Ratio Lower Upper

50 100

52 35.5 23.7 43.9



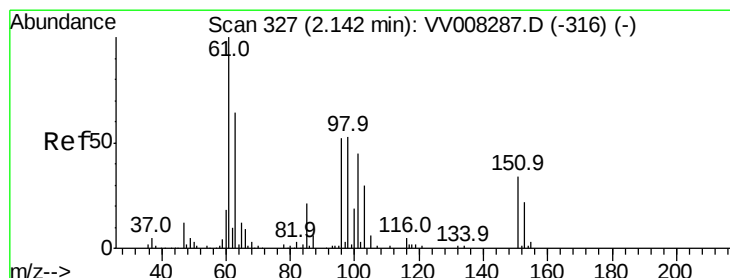
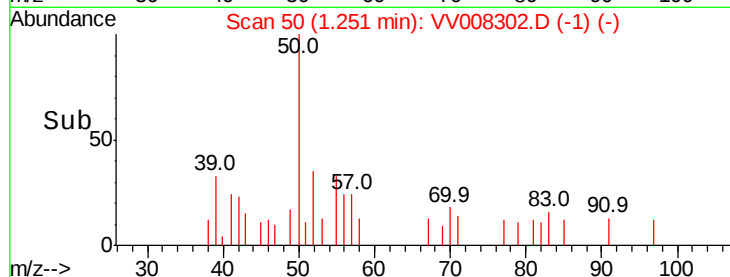
Abundance Ion 50.05 (49.75 to 50.75): VV008287.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV008287.D (-43) (-)

1.25

1.22 1.24 1.26 1.28

Time-->



#12

1,1-Dichloroethene

Concen: 0.118 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV008302.D

Acq: 16 Oct 2018 17:19

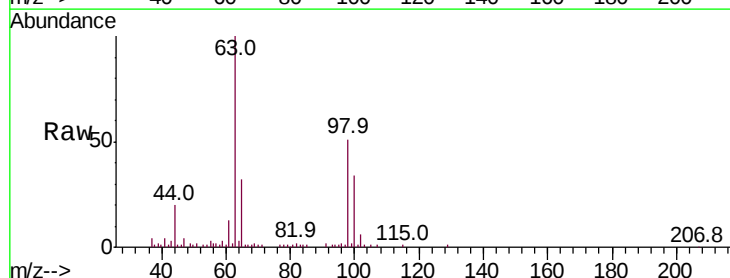
Tgt Ion: 96 Resp: 467

Ion Ratio Lower Upper

96 100

61 819.2 129.9 241.3#

63 6384.9 103.0 191.4#



Abundance Ion 96.00 (95.70 to 96.70): VV008302.D (-234) (-)

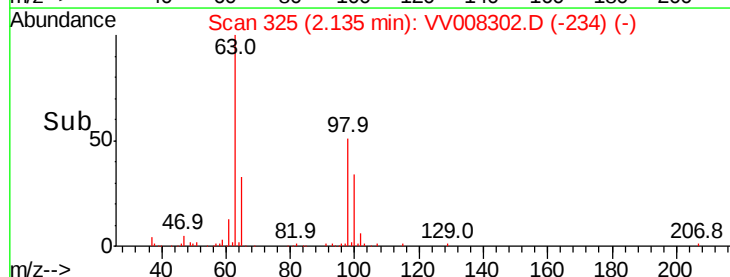
Ion 61.05 (60.75 to 61.75): VV008302.D (-234) (-)

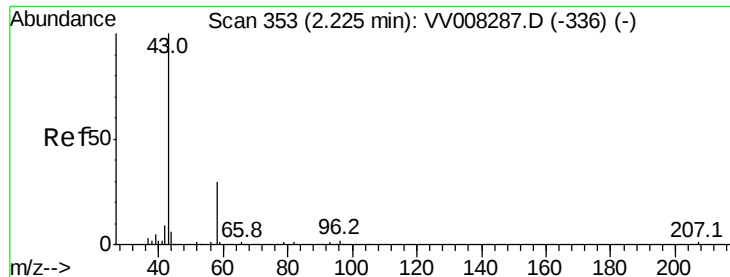
Ion 63.00 (62.70 to 63.70): VV008302.D (-234) (-)

2.14

2.12 2.14

Time-->





#13

Acetone

Concen: 4.281 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.00 min

Lab File: VV008302.D

Acq: 16 Oct 2018 17:19

Instrument :

MSVOA_V

ClientSampleId :

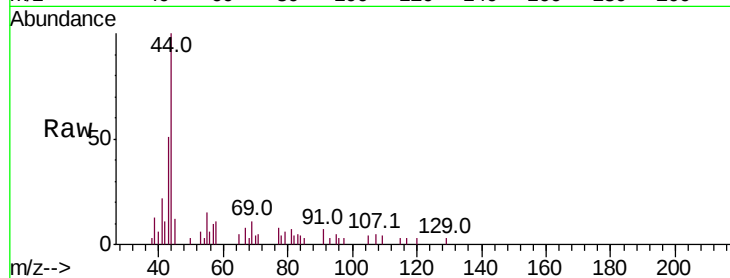
C0AK7

Tot Ion: 43 Resp: 3630

Ion Ratio Lower Upper

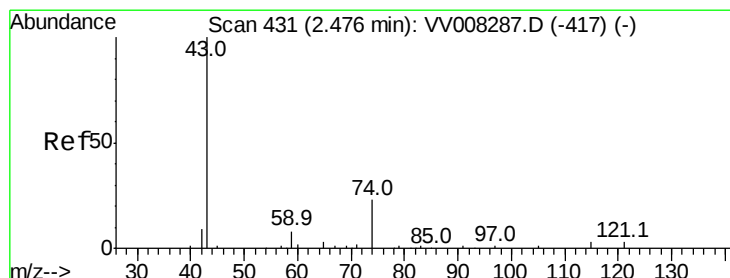
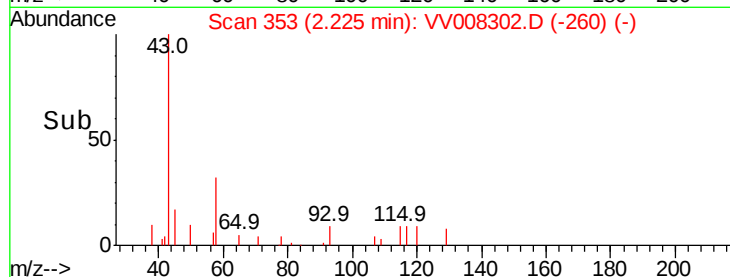
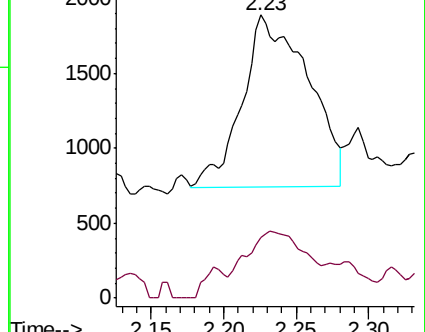
43 100

58 20.3 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV008287.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV008287.D (-336) (-)



#15

Methyl Acetate

Concen: 0.212 ug/L

RT: 2.45 min Scan# 422

Delta R.T. -0.03 min

Lab File: VV008302.D

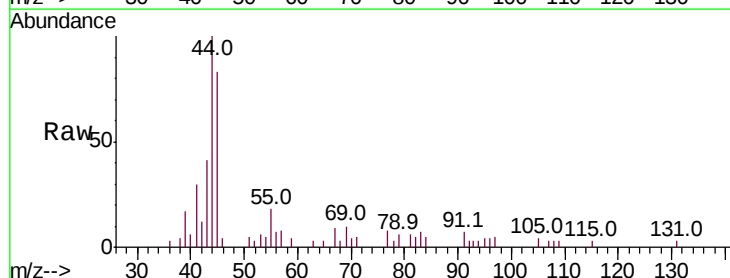
Acq: 16 Oct 2018 17:19

Tgt Ion: 43 Resp: 447

Ion Ratio Lower Upper

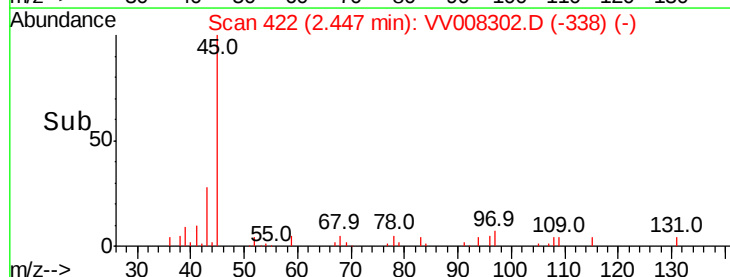
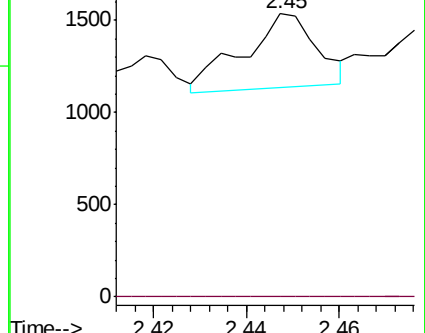
43 100

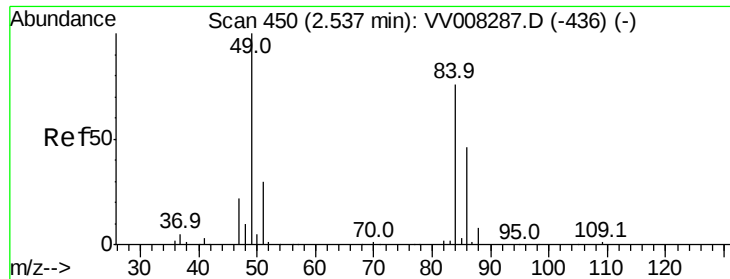
74 0.0 20.0 30.0#



Abundance Ion 43.05 (42.75 to 43.75): VV008287.D (-417) (-)

Ion 74.05 (73.75 to 74.75): VV008287.D (-417) (-)

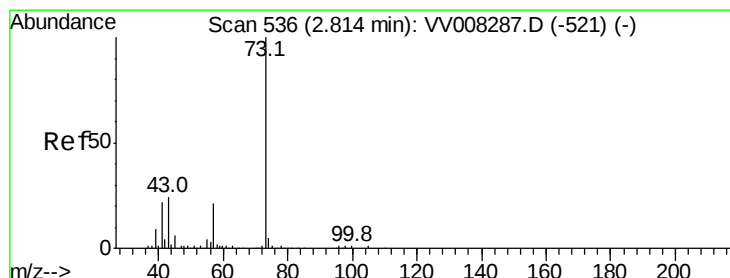
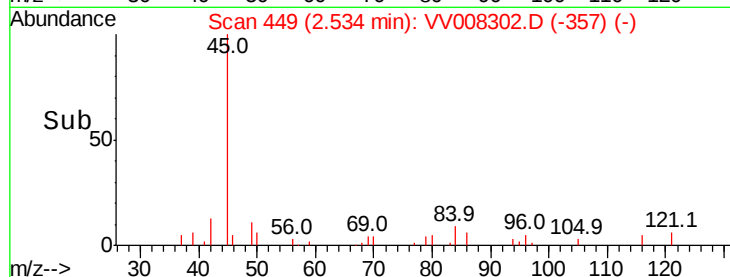
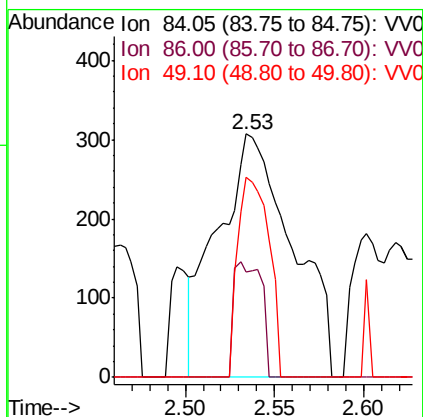
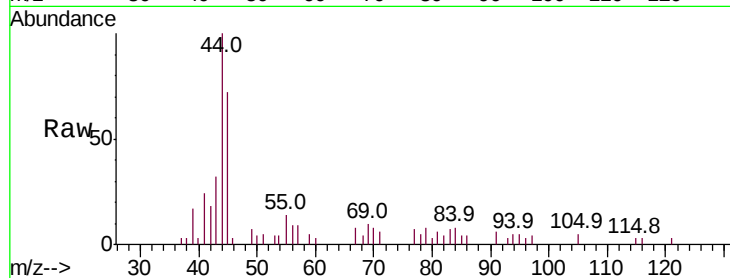




#16
Methylene chloride
Concen: 0.196 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV008302.D
Acq: 16 Oct 2018 17:19

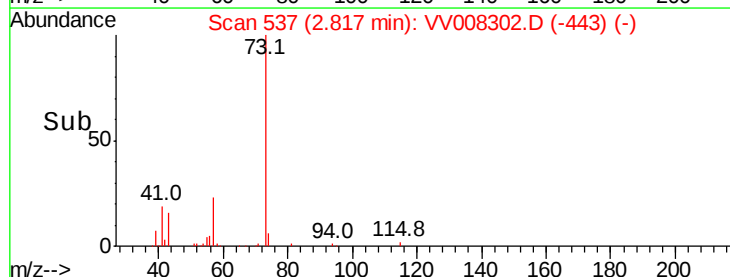
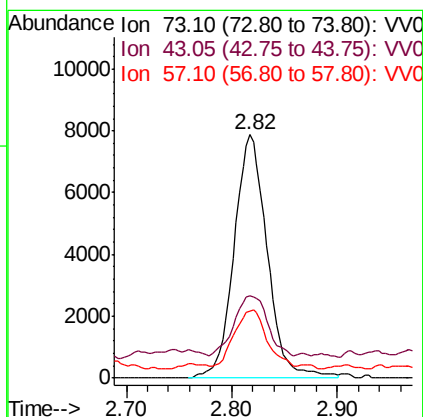
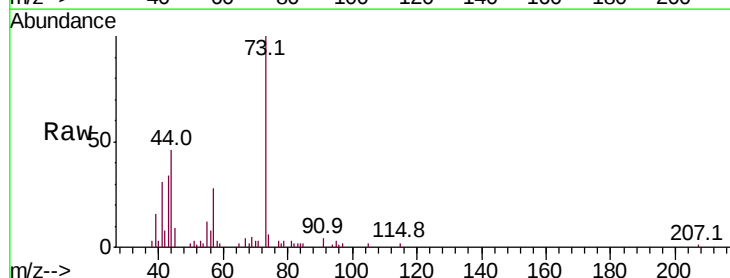
Instrument :
MSVOA_V
ClientSampleId :
C0AK7

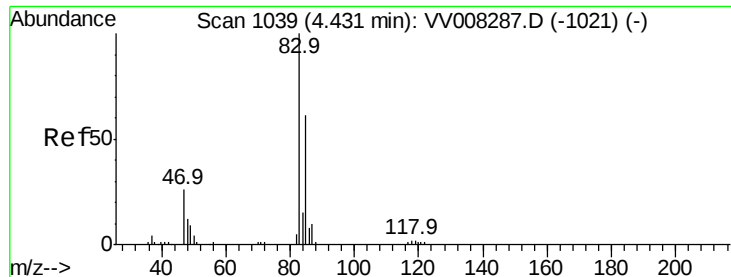
Tot Ion: 84 Resp: 900
Ion Ratio Lower Upper
84 100
86 43.3 45.0 83.6#
49 82.1 92.9 172.5#



#17
Methyl tert-butyl Ether
Concen: 1.521 ug/L
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VV008302.D
Acq: 16 Oct 2018 17:19

Tgt Ion: 73 Resp: 17160
Ion Ratio Lower Upper
73 100
43 24.8 19.0 28.6
57 24.0 18.2 27.2





#25

Chloroform

Concen: 0.114 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VV008302.D

Acq: 16 Oct 2018 17:19

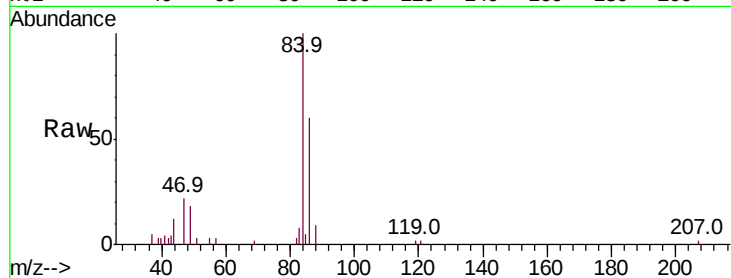
Instrument :
MSVOA_V
ClientSampled :
C0AK7

Tot Ion: 83 Resp: 1235

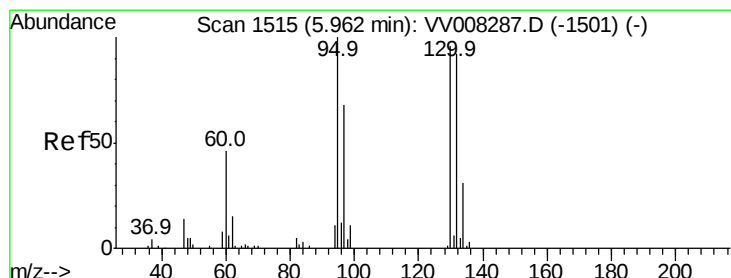
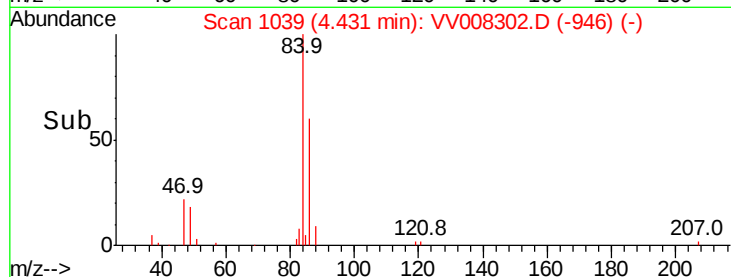
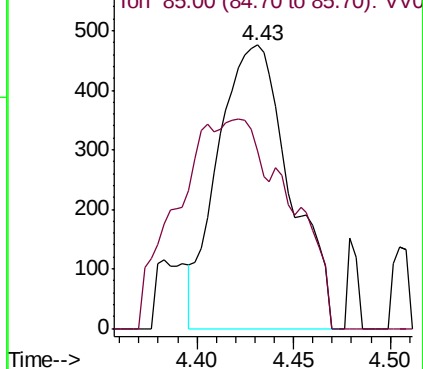
Ion Ratio Lower Upper

83 100

85 62.4 43.4 80.6



Abundance Ion 83.05 (82.75 to 83.75): VV008302.D (-946) (-)



#34

Trichloroethene

Concen: 0.638 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008302.D

Acq: 16 Oct 2018 17:19

Tgt Ion: 95 Resp: 4382

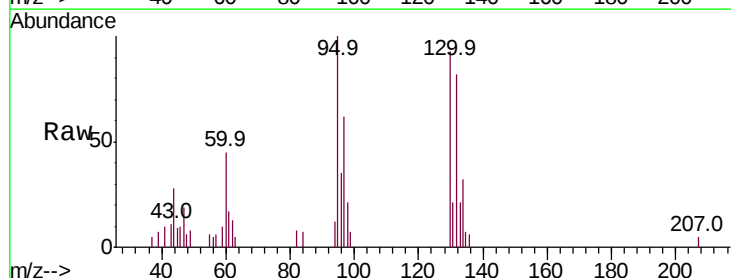
Ion Ratio Lower Upper

95 100

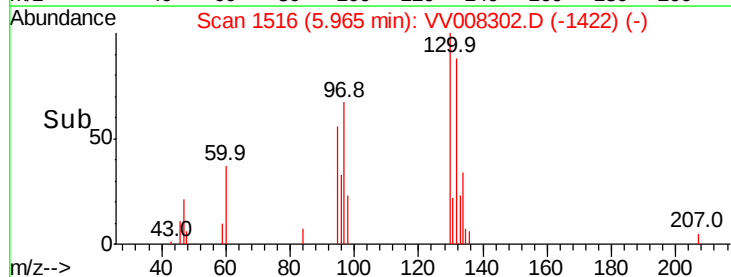
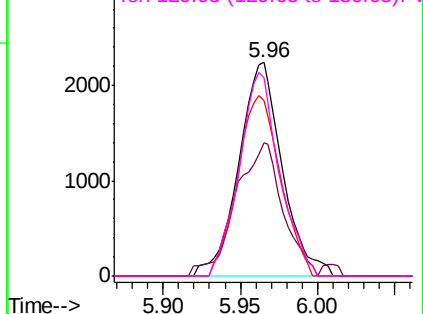
97 62.1 44.4 82.4

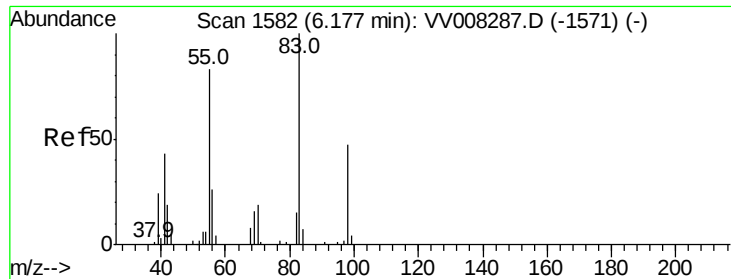
132 82.3 60.4 112.2

130 93.1 65.5 121.7



Abundance Ion 95.00 (94.70 to 95.70): VV008302.D (-1422) (-)





#35

Methylcyclohexane

Concen: 0.690 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV008302.D

Acq: 16 Oct 2018 17:19

Instrument :

MSVOA_V

ClientSampled :

C0AK7

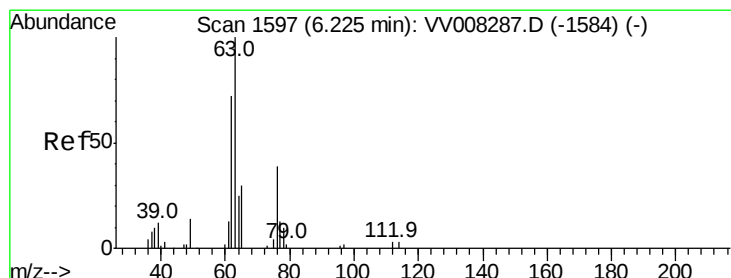
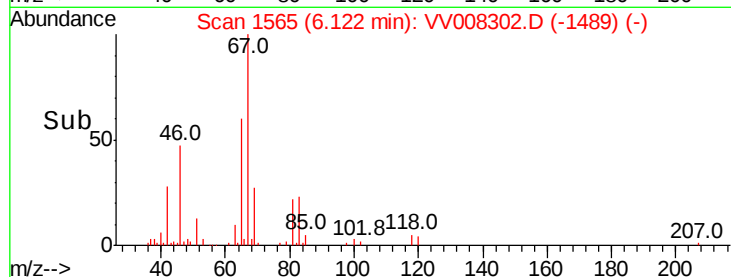
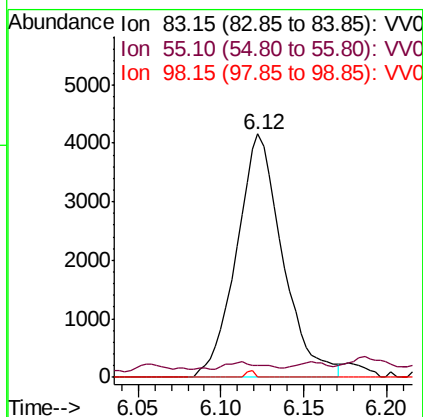
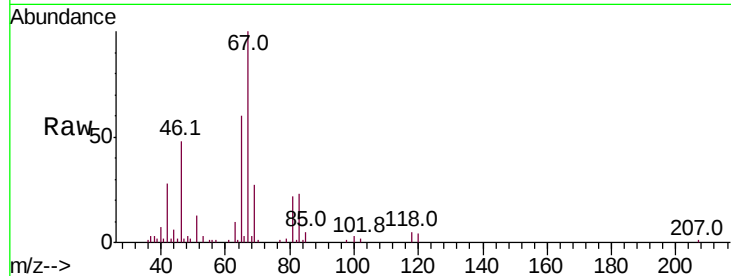
Tot Ion: 83 Resp: 7996

Ion Ratio Lower Upper

83 100

55 1.7 64.0 96.0#

98 0.0 37.0 55.4#



#37

1,2-Dichloropropane

Concen: 0.528 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV008302.D

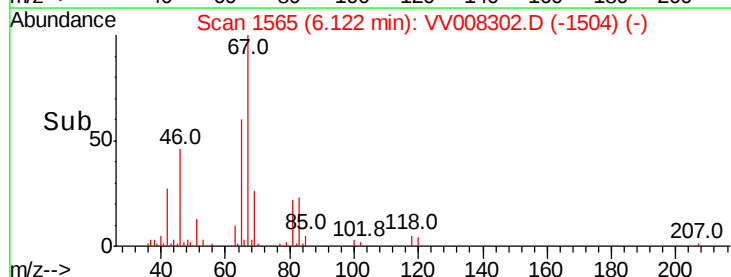
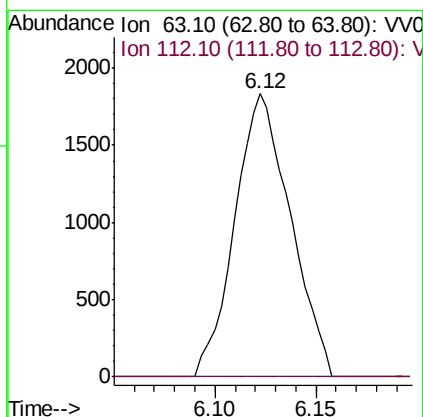
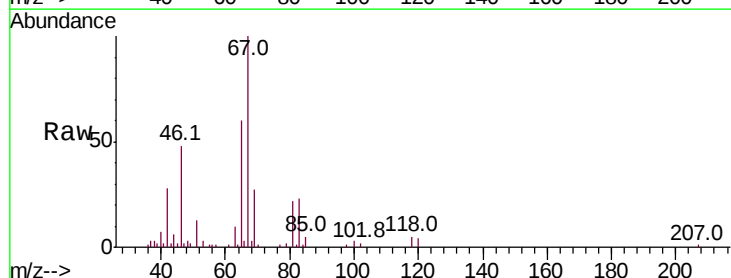
Acq: 16 Oct 2018 17:19

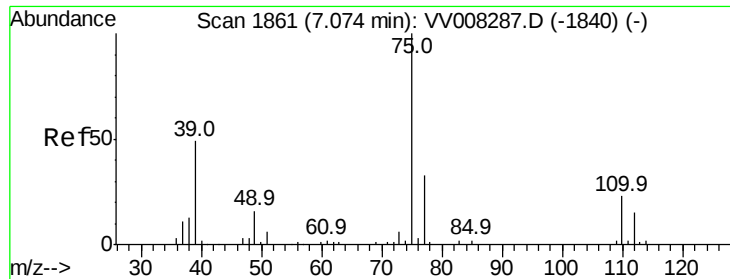
Tgt Ion: 63 Resp: 3528

Ion Ratio Lower Upper

63 100

112 0.0 2.6 3.8#





#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV008302.D

Acq: 16 Oct 2018 17:19

Instrument :

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ClientSampleId :

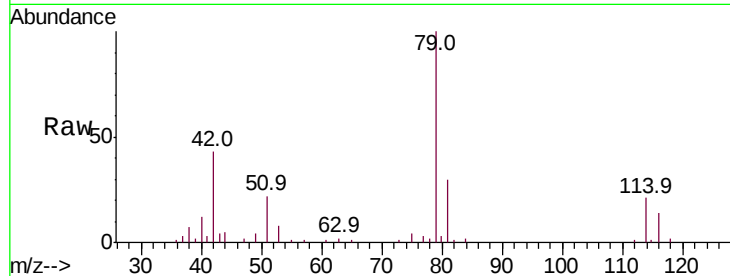
C0AK7

Tot Ion: 75 Resp: 807

Ion Ratio Lower Upper

75 100

77 65.5 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) (-)

7.04

500

400

300

200

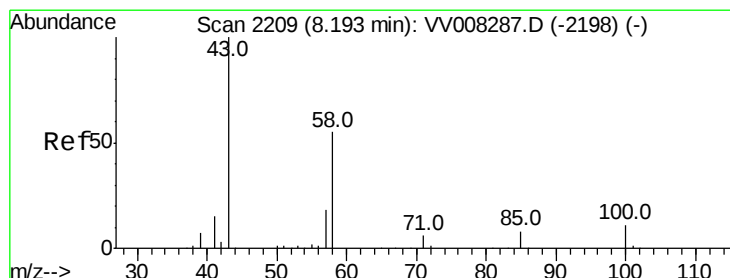
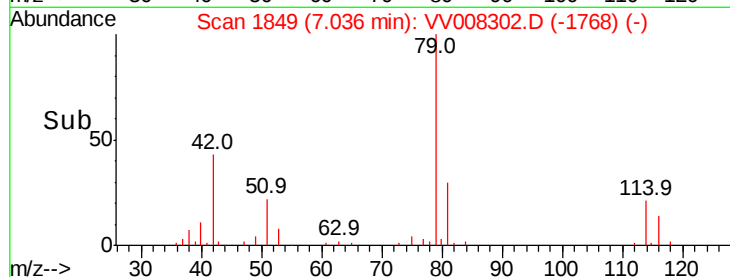
100

0

7.00

7.05

Time-->



#48

2-Hexanone

Concen: 6.221 ug/L

RT: 8.20 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VV008302.D

Acq: 16 Oct 2018 17:19

Tgt Ion: 43 Resp: 18623

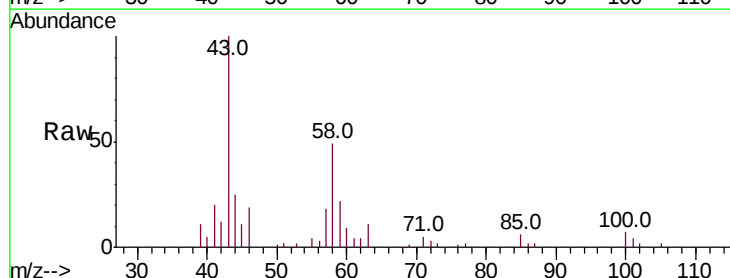
Ion Ratio Lower Upper

43 100

58 50.1 45.0 67.4

57 14.6 14.4 21.6

100 6.5 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) (-)

8.20

12000

10000

8000

6000

4000

2000

0

8.15

8.20

8.25

Time-->

