

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
 Data File : VV007532.D
 Acq On : 14 Sep 2018 01:33
 Operator : SY/MD
 Sample : J4888-03
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 14 05:13:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 14 05:10:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	130607	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	120413	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61322	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28276	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.59	69	25635	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.13	63	48939	3.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.00%
20) 2-Butanone-d5	3.97	46	64463	67.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	135.48%#
24) Chloroform-d	4.41	84	60580	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.09	65	31146	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
32) Benzene-d6	5.10	84	120481	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.12	67	35998	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.40%
41) Toluene-d8	7.36	98	120459	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	7.67	79	14189	3.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.40%
46) 2-Hexanone-d5	8.14	63	32600	54.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.40%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	25124	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	48974	4.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	1010	0.147	ug/L #	37
12) 1,1-Dichloroethene	2.14	96	1703	0.257	ug/L #	1
13) Acetone	2.39	43	1911	3.075	ug/L	51
15) Methyl Acetate	2.47	43	2276	1.336	ug/L #	54
16) Methylene chloride	2.54	84	2487	0.347	ug/L	93
17) Methyl tert-butyl Ether	2.81	73	1445	0.091	ug/L #	75
22) cis-1,2-Dichloroethene	3.96	96	8825	1.242	ug/L	99
25) Chloroform	4.43	83	9897	0.824	ug/L	95
29) 1,1,1-Trichloroethane	4.66	97	5147	0.440	ug/L	98
34) Trichloroethene	5.96	95	51845	6.798	ug/L	98
35) Methylcyclohexane	6.13	83	9377	0.796	ug/L #	24
37) 1,2-Dichloropropane	6.13	63	4111	0.671	ug/L #	85
39) cis-1,3-Dichloropropene	7.04	75	1234	0.127	ug/L #	50
44) trans-1,3-Dichloropropene	7.67	75	733	0.091	ug/L	89
48) 2-Hexanone	8.19	43	4753	1.851	ug/L #	44
53) m,p-xylene	9.18	106	1952	0.156	ug/L	95
69) Naphthalene	13.56	128	1654	0.157	ug/L #	79

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QLast Update : Fri Sep 14 05:10:24 2018
Response via : Initial Calibration

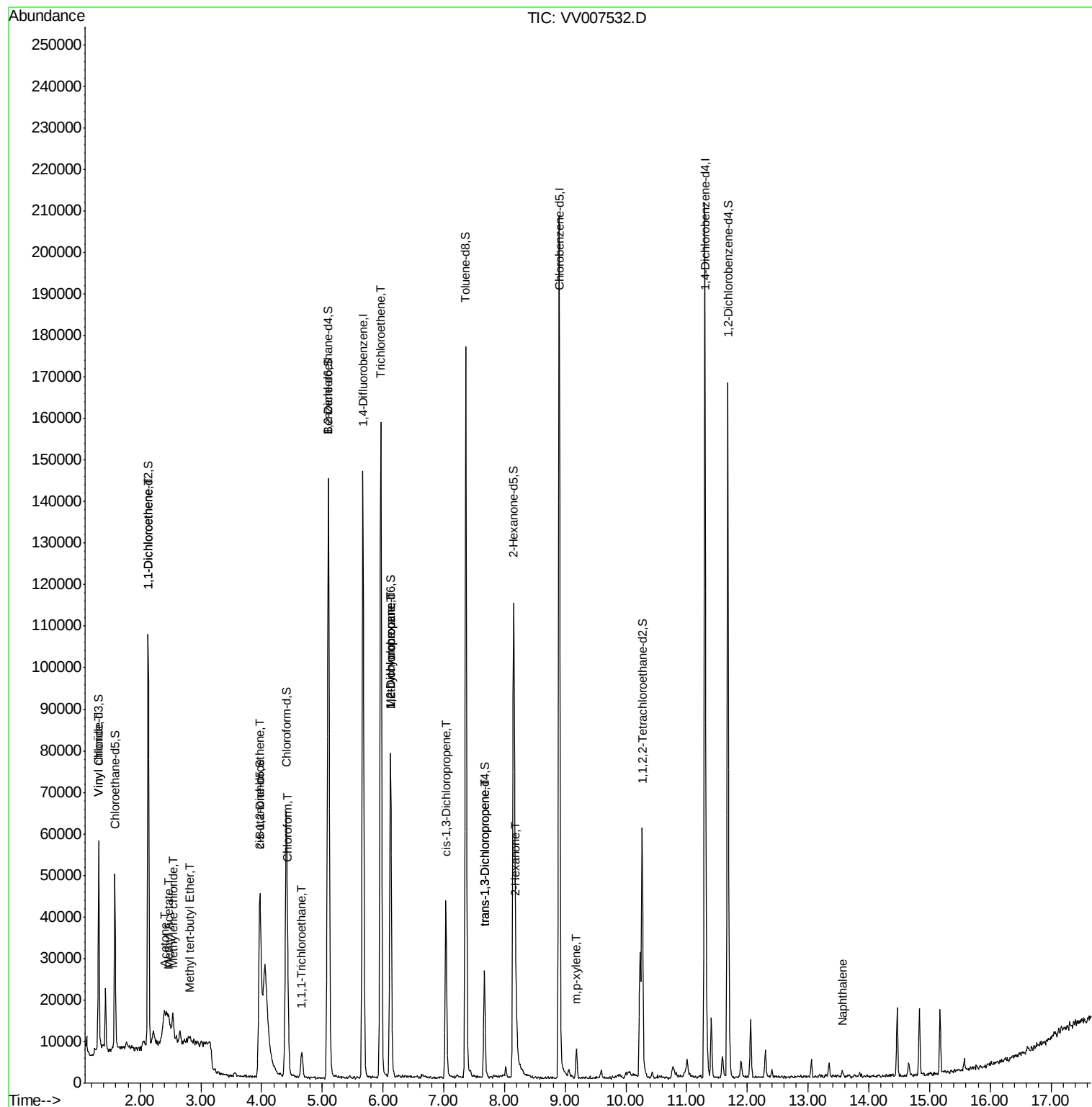
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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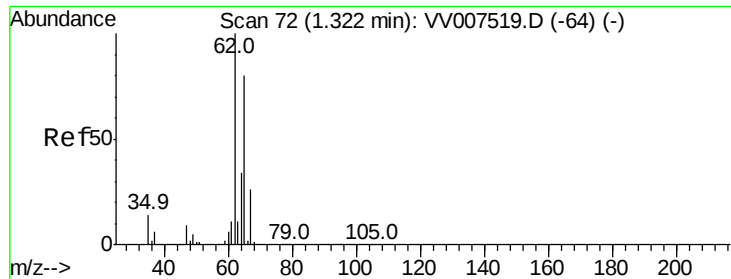
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.147 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV007532.D

Acq: 14 Sep 2018 01:33

Instrument :

MSVOA_V

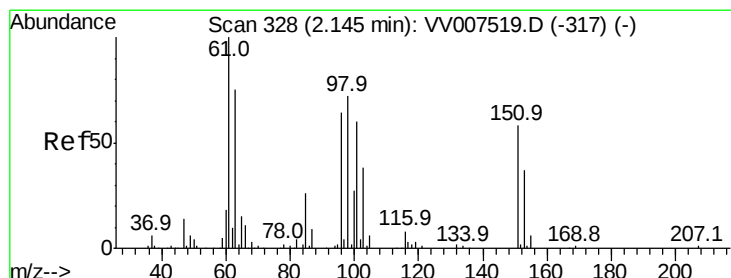
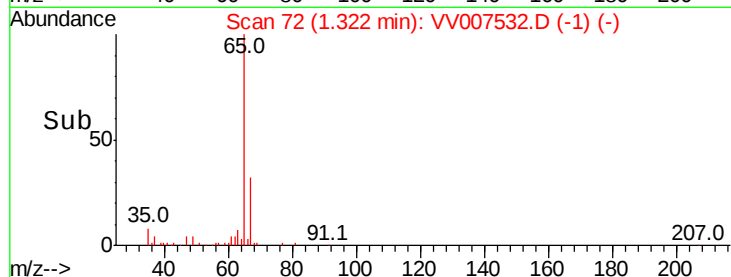
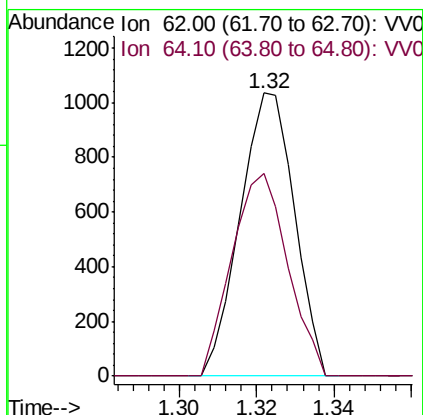
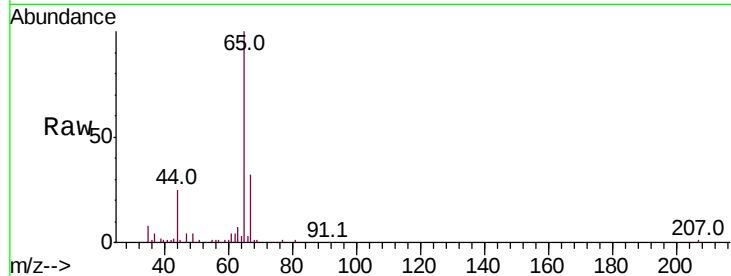
ClientSampleId :

Tot Ion: 62 Resp: 1010

Ion Ratio Lower Upper

62 100

64 71.5 24.4 45.2#



#12

1,1-Dichloroethene

Concen: 0.257 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007532.D

Acq: 14 Sep 2018 01:33

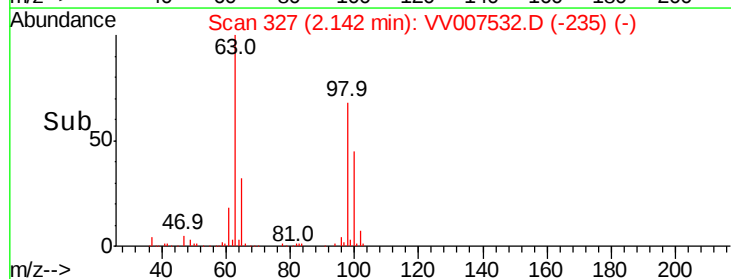
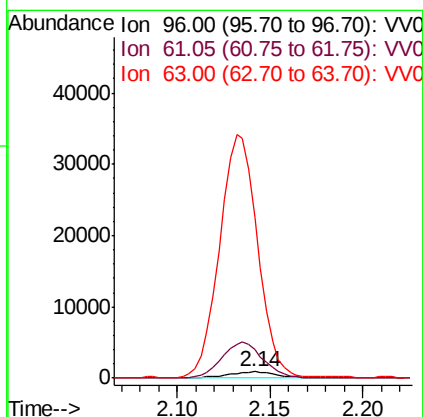
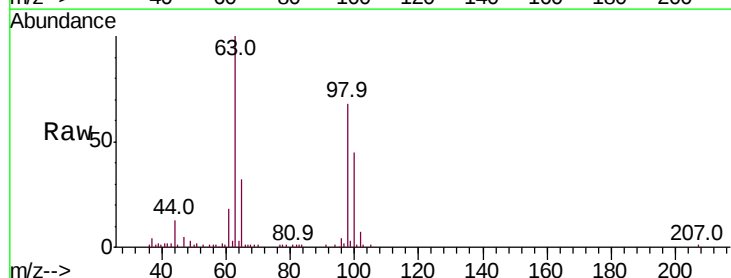
Tgt Ion: 96 Resp: 1703

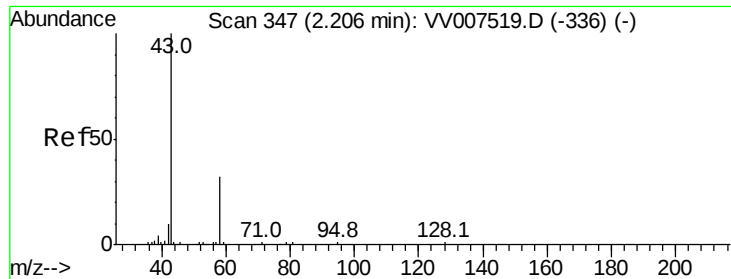
Ion Ratio Lower Upper

96 100

61 453.5 114.8 213.2#

63 2589.2 81.8 151.8#





#13

Acetone

Concen: 3.075 ug/L

RT: 2.39 min Scan# 405

Delta R.T. 0.19 min

Lab File: VV007532.D

Acq: 14 Sep 2018 01:33

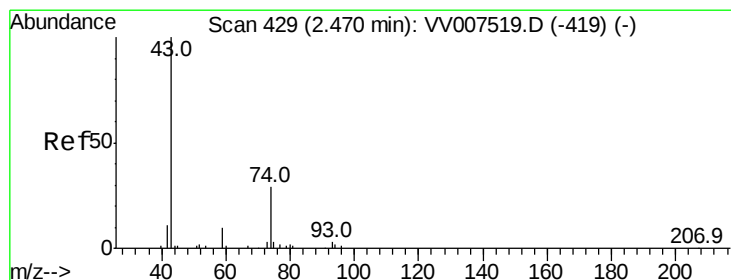
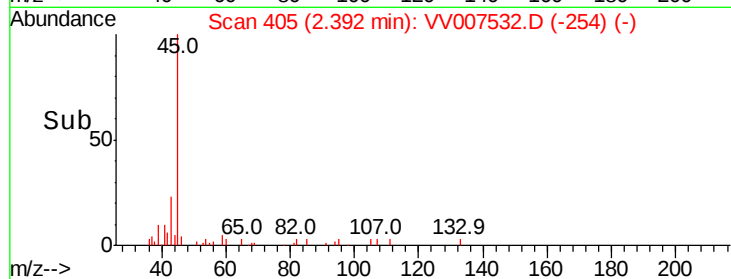
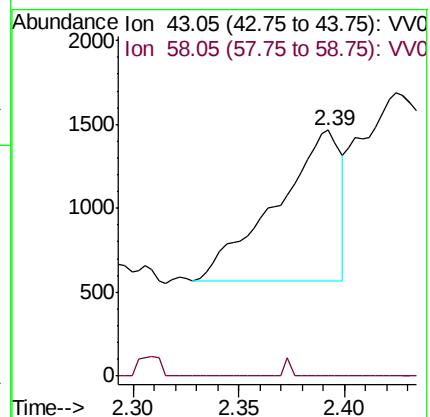
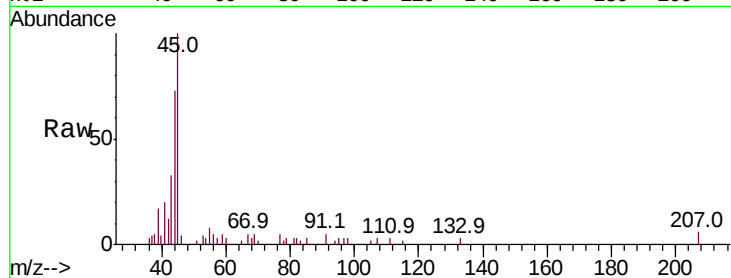
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1911

Ion Ratio Lower Upper

43 100

58 4.4 0.0 63.4



#15

Methyl Acetate

Concen: 1.336 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VV007532.D

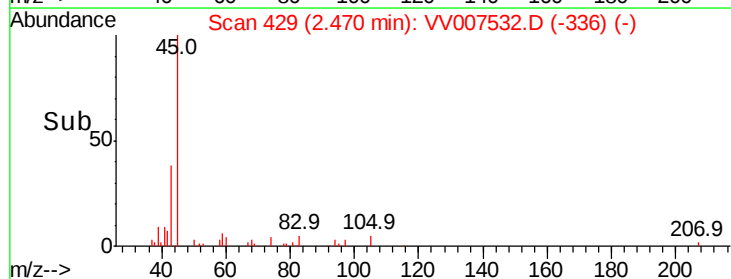
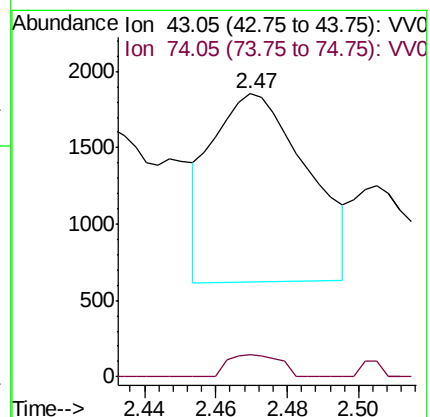
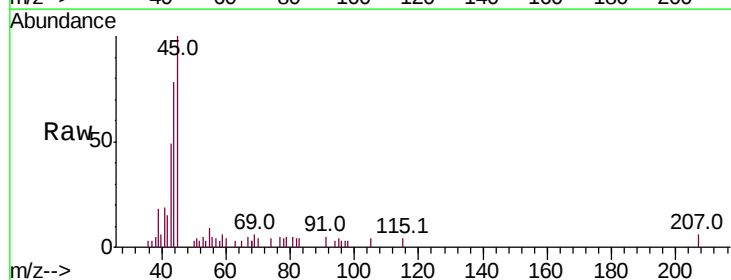
Acq: 14 Sep 2018 01:33

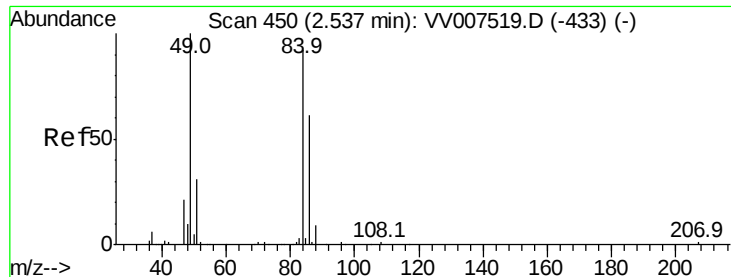
Tgt Ion: 43 Resp: 2276

Ion Ratio Lower Upper

43 100

74 6.4 25.4 38.2#

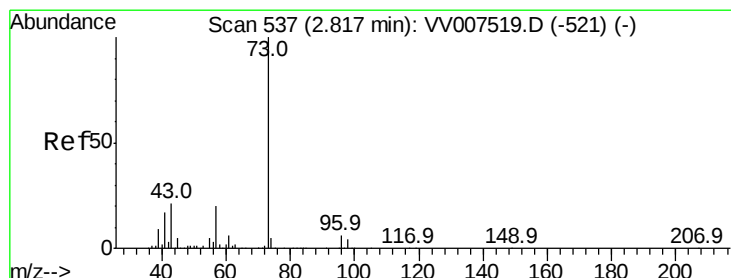
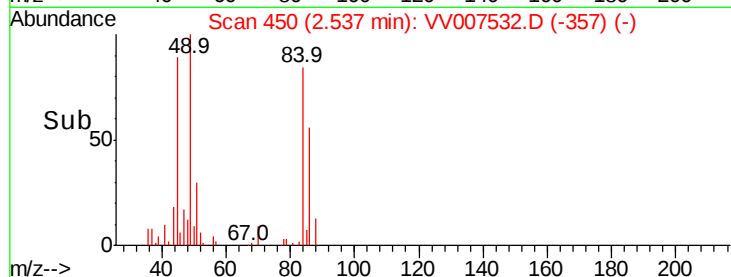
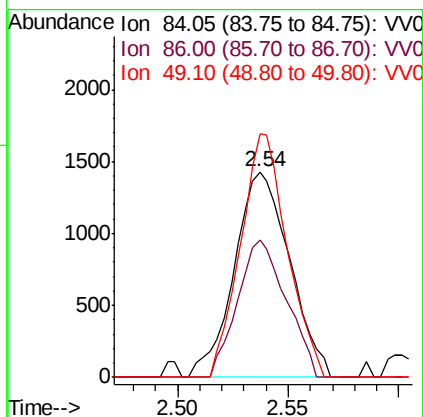
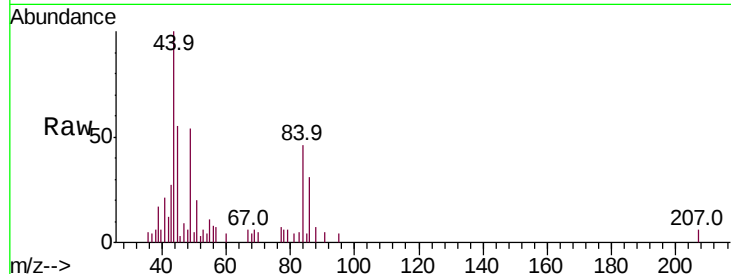




#16
Methylene chloride
Concen: 0.347 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV007532.D
Acq: 14 Sep 2018 01:33

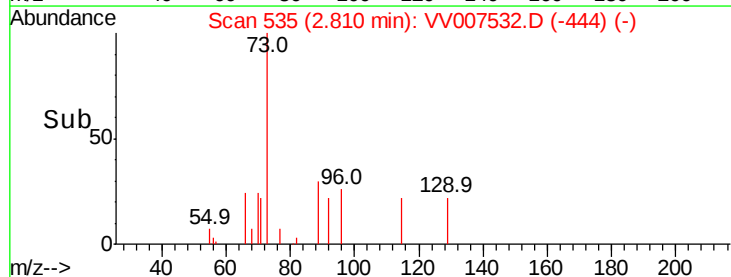
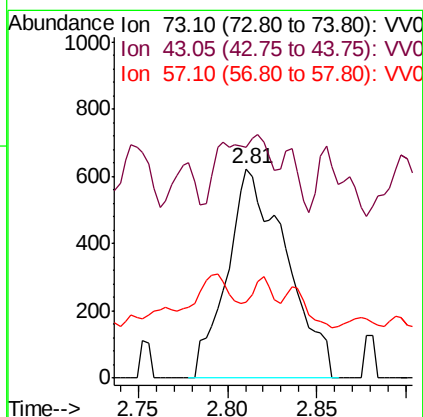
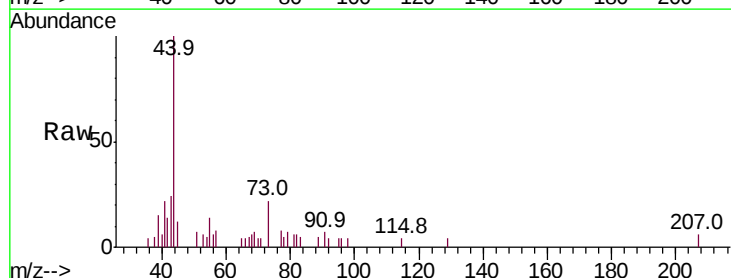
Instrument :
MSVOA_V
ClientSampleId :

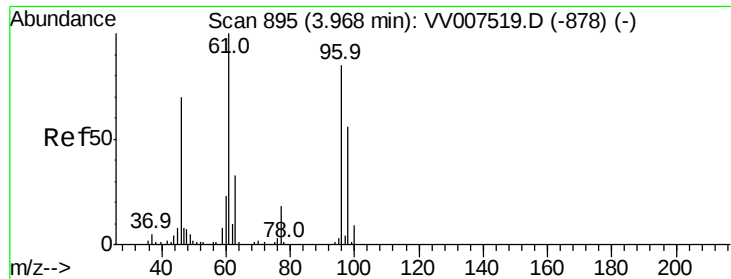
Tot Ion: 84 Resp: 2487
Ion Ratio Lower Upper
84 100
86 66.9 43.7 81.1
49 118.5 76.8 142.6



#17
Methyl tert-butyl Ether
Concen: 0.091 ug/L
RT: 2.81 min Scan# 535
Delta R.T. -0.01 min
Lab File: VV007532.D
Acq: 14 Sep 2018 01:33

Tgt Ion: 73 Resp: 1445
Ion Ratio Lower Upper
73 100
43 8.7 15.8 23.6#
57 7.6 15.8 23.6#



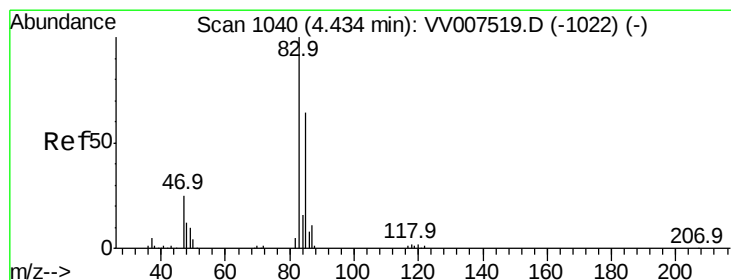
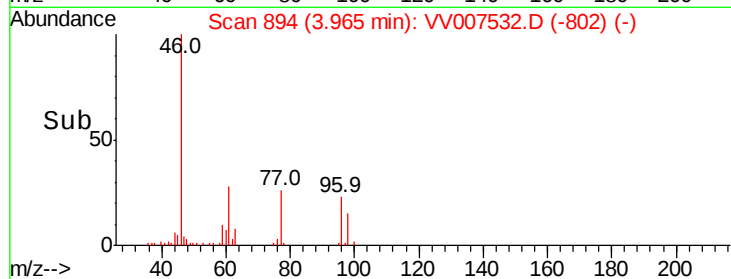
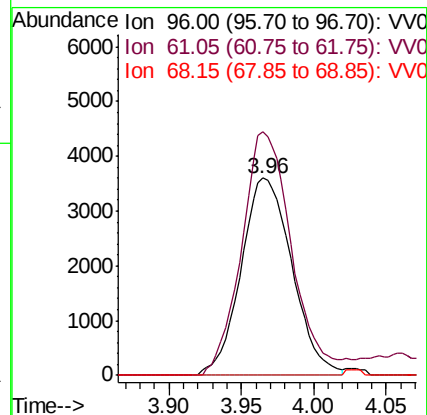
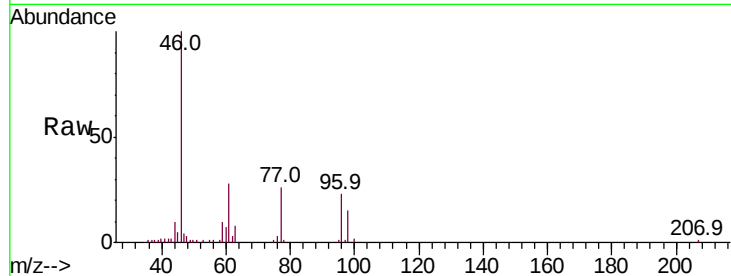


#22

cis-1,2-Dichloroethene
 Concen: 1.242 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV007532.D
 Acq: 14 Sep 2018 01:33

Instrument :
 MSVOA_V
 ClientSampleId :

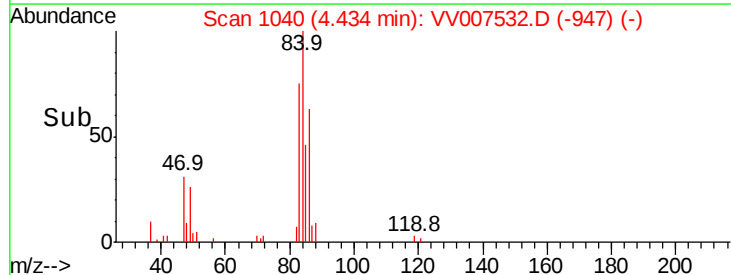
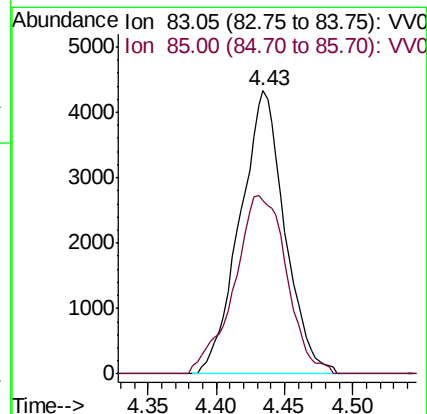
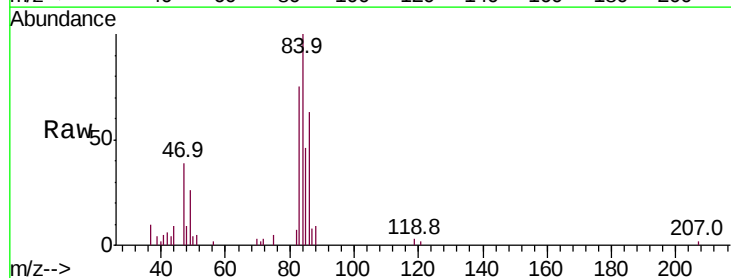
Tot Ion: 96 Resp: 8825
 Ion Ratio Lower Upper
 96 100
 61 123.3 85.3 158.5
 68 0.0 0.0 0.0

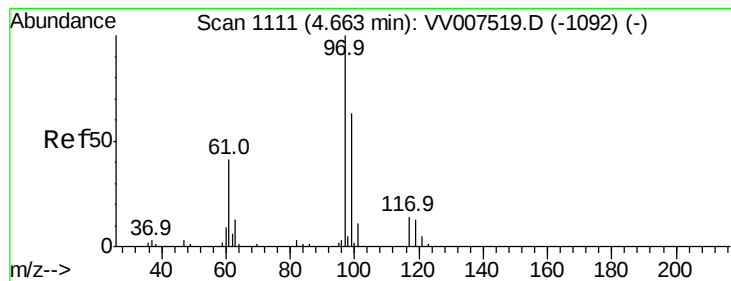


#25

Chloroform
 Concen: 0.824 ug/L
 RT: 4.43 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VV007532.D
 Acq: 14 Sep 2018 01:33

Tgt Ion: 83 Resp: 9897
 Ion Ratio Lower Upper
 83 100
 85 61.0 45.5 84.5





#29

1,1,1-Trichloroethane

Concen: 0.440 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.00 min

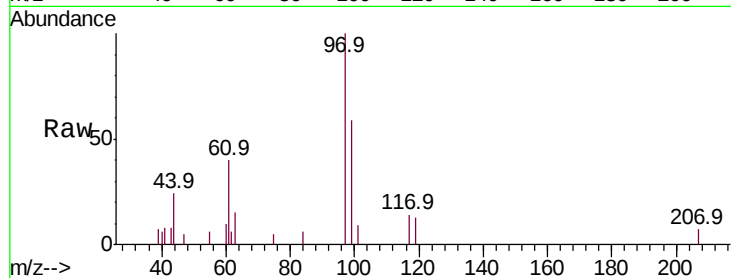
Lab File: VV007532.D

Acq: 14 Sep 2018 01:33

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 97 Resp: 5147

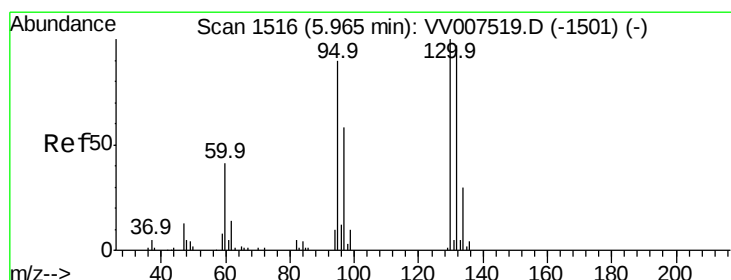
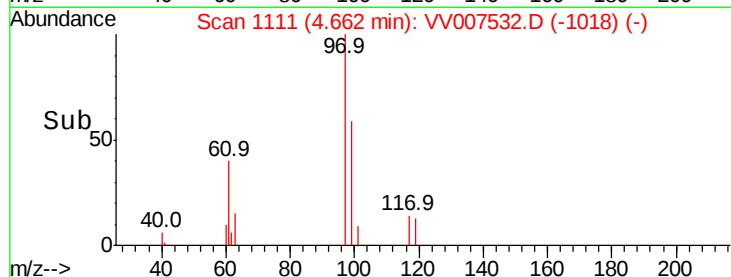
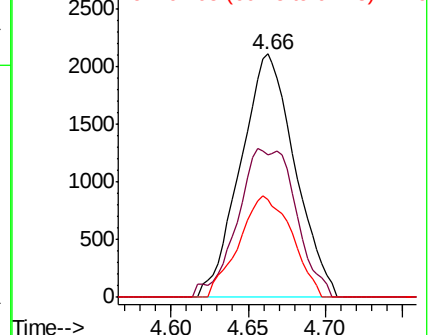
Ion	Ratio	Lower	Upper
97	100		
99	65.5	50.7	76.1
61	40.5	32.5	48.7



Abundance Ion 96.95 (96.65 to 97.65): VV007519.D (-1092) (-)

Ion 99.05 (98.75 to 99.75): VV007519.D (-1092) (-)

Ion 61.05 (60.75 to 61.75): VV007519.D (-1092) (-)



#34

Trichloroethene

Concen: 6.798 ug/L

RT: 5.96 min Scan# 1516

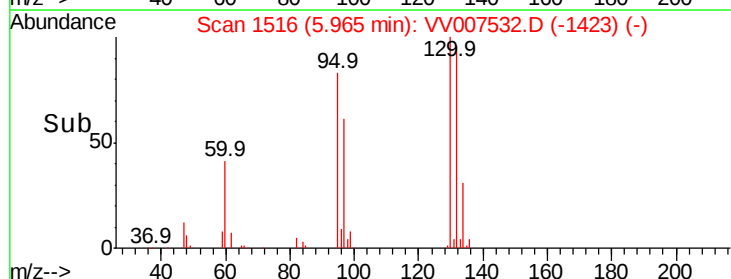
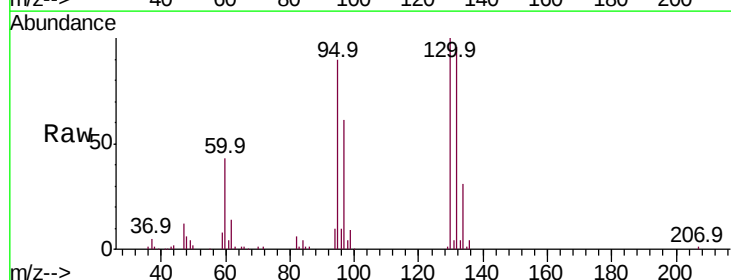
Delta R.T. -0.00 min

Lab File: VV007532.D

Acq: 14 Sep 2018 01:33

Tgt Ion: 95 Resp: 51845

Ion	Ratio	Lower	Upper
95	100		
97	67.3	45.5	84.5
132	107.0	74.9	139.1
130	111.1	80.0	148.6

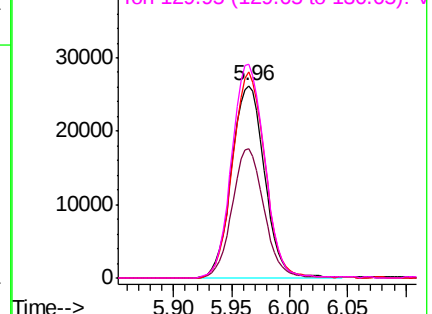


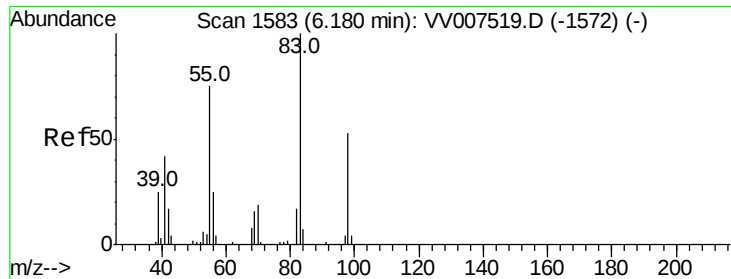
Abundance Ion 95.00 (94.70 to 95.70): VV007519.D (-1501) (-)

Ion 96.95 (96.65 to 97.65): VV007519.D (-1501) (-)

Ion 131.95 (131.65 to 132.65): VV007519.D (-1501) (-)

Ion 129.95 (129.65 to 130.65): VV007519.D (-1501) (-)





#35

Methvlcvclohexane

Concen: 0.796 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.05 min

Lab File: VV007532.D

Acq: 14 Sep 2018 01:33

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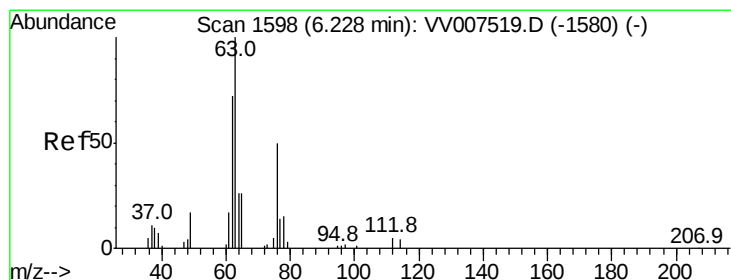
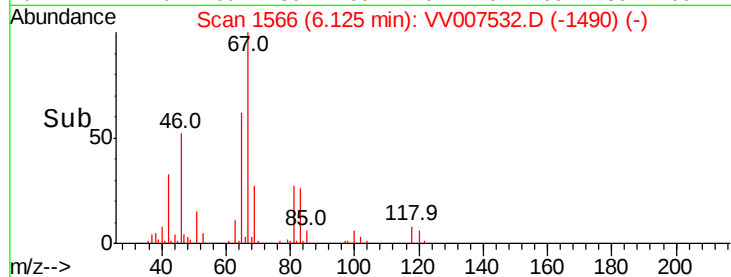
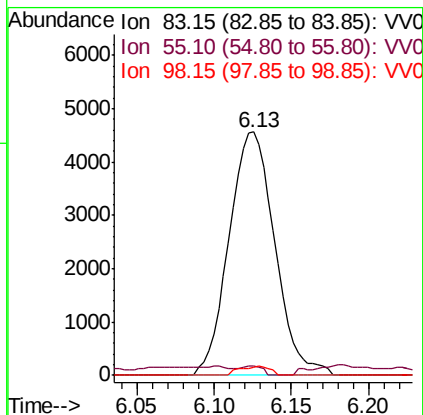
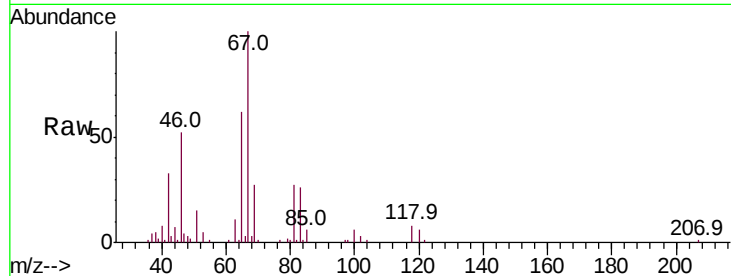
Tot Ion: 83 Resp: 9377

Ion Ratio Lower Upper

83 100

55 1.8 55.0 82.4#

98 2.5 37.6 56.4#



#37

1,2-Dichloropropane

Concen: 0.671 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.10 min

Lab File: VV007532.D

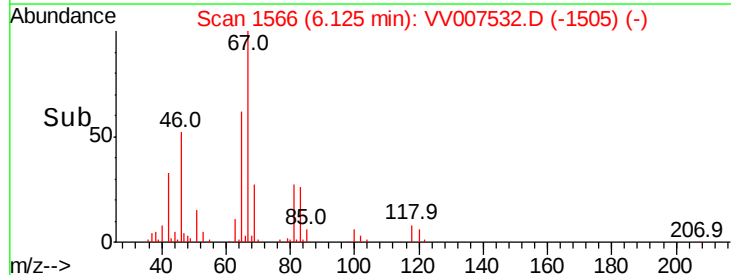
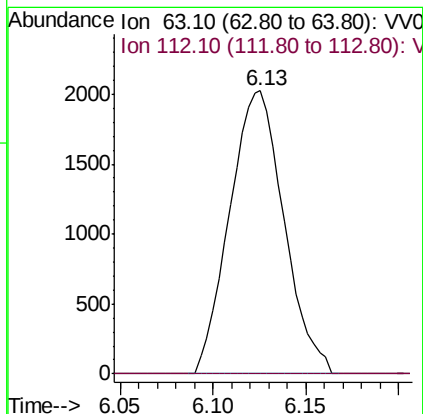
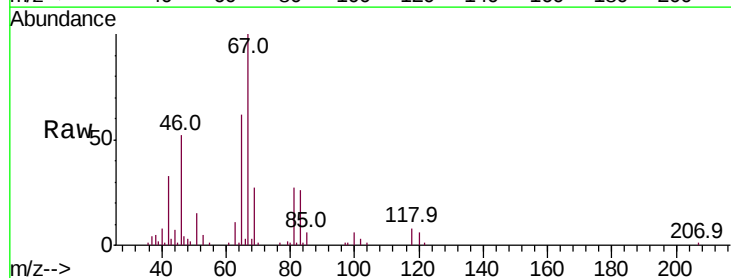
Acq: 14 Sep 2018 01:33

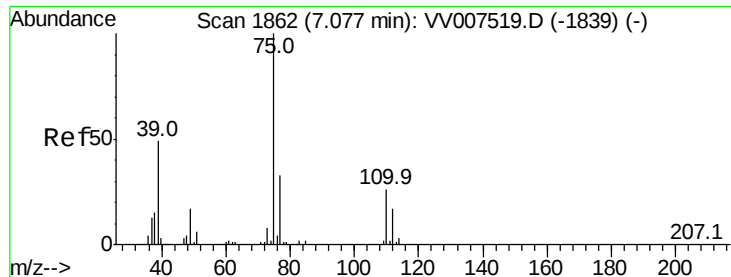
Tgt Ion: 63 Resp: 4111

Ion Ratio Lower Upper

63 100

112 0.0 4.1 6.1#





#39

cis-1,3-Dichloropropene

Concen: 0.127 ug/L

RT: 7.04 min Scan# 1850

Delta R.T. -0.04 min

Lab File: VV007532.D

Acq: 14 Sep 2018 01:33

Instrument :

MSVOA_V

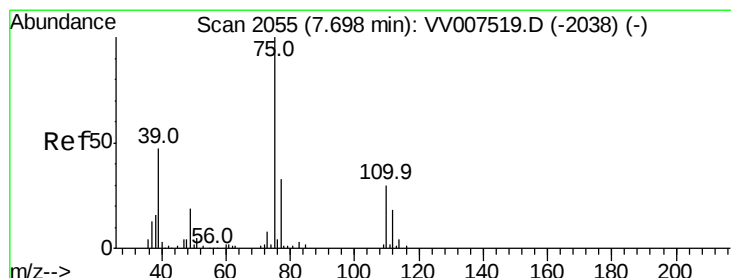
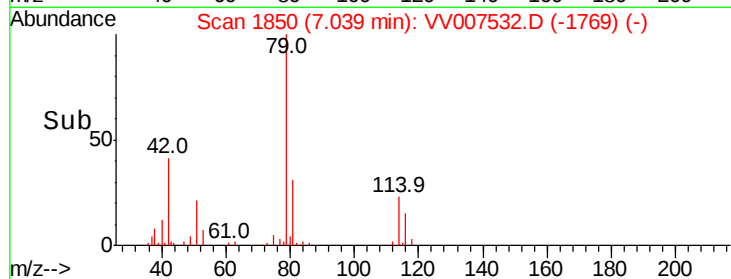
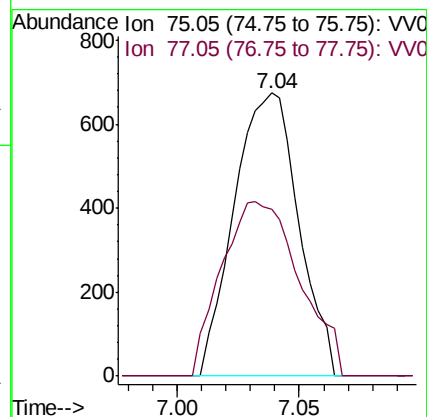
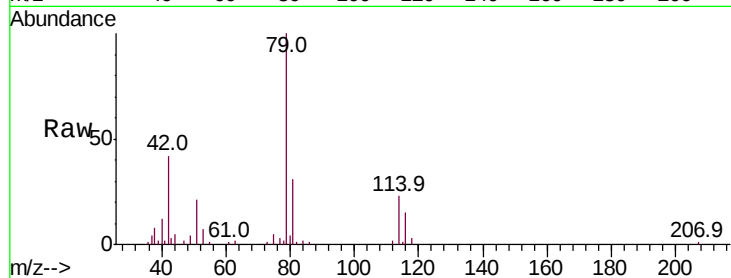
ClientSampleId :

Tot Ion: 75 Resp: 1234

Ion Ratio Lower Upper

75 100

77 59.1 22.0 41.0#



#44

trans-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.03 min

Lab File: VV007532.D

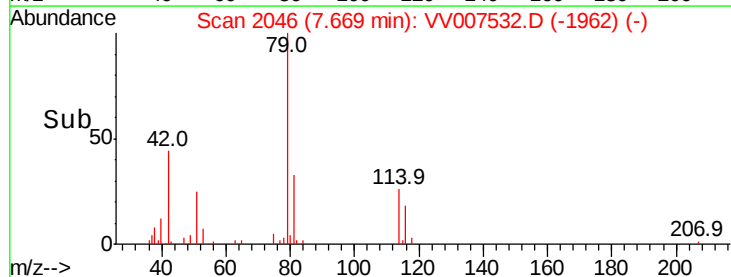
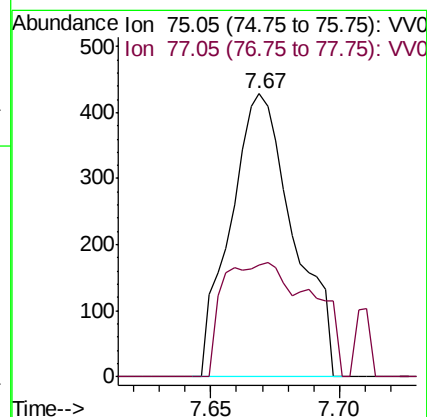
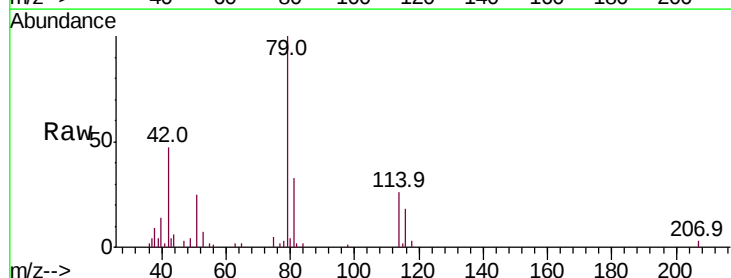
Acq: 14 Sep 2018 01:33

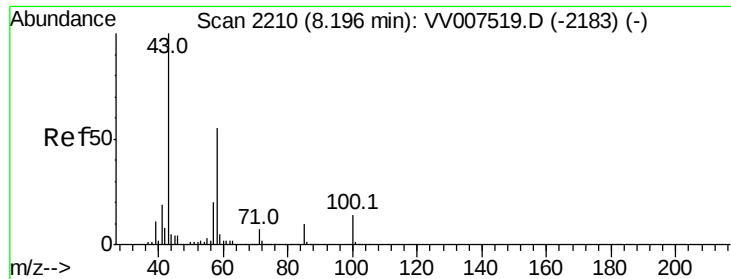
Tgt Ion: 75 Resp: 733

Ion Ratio Lower Upper

75 100

77 39.7 23.4 43.4

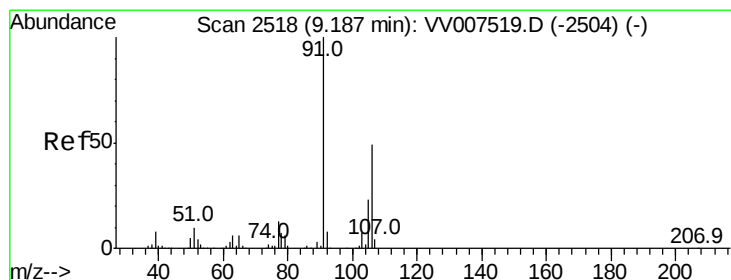
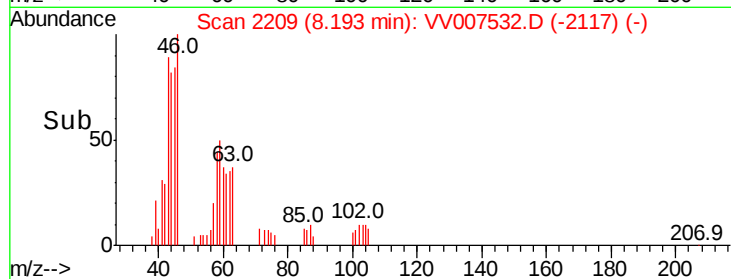
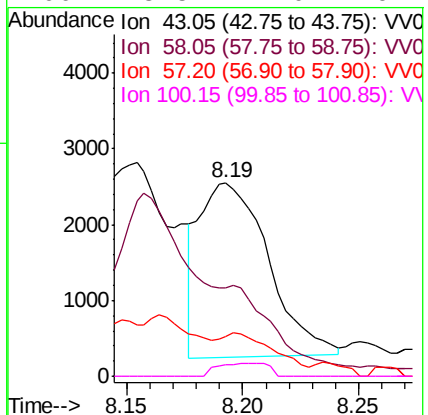
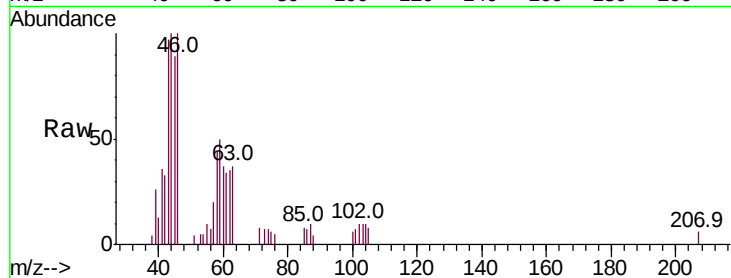




#48
2-Hexanone
Concen: 1.851 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV007532.D
Acq: 14 Sep 2018 01:33

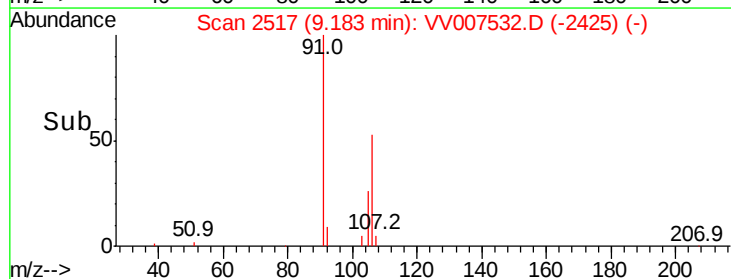
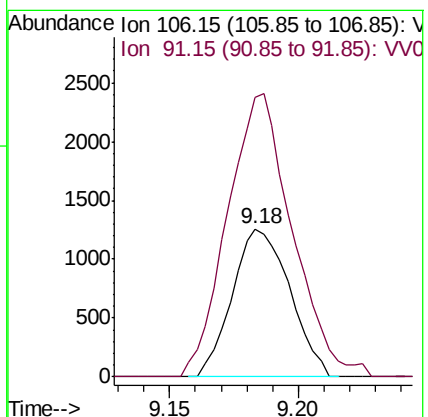
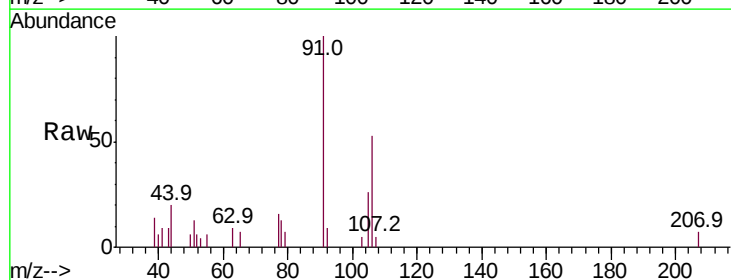
Instrument :
MSVOA_V
ClientSampleId :

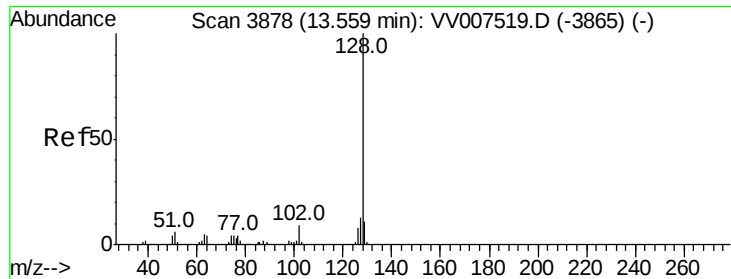
Tot Ion: 43 Resp: 4753
Ion Ratio Lower Upper
43 100
58 0.0 49.8 74.6#
57 18.3 18.2 27.4
100 5.5 11.0 16.4#



#53
m,p-xylene
Concen: 0.156 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV007532.D
Acq: 14 Sep 2018 01:33

Tgt Ion: 106 Resp: 1952
Ion Ratio Lower Upper
106 100
91 188.3 137.2 254.8





#69

Naphthalene

Concen: 0.157 ug/L

RT: 13.56 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VV007532.D

Acq: 14 Sep 2018 01:33

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 1654

Ion Ratio Lower Upper

128 100

129 0.0 8.5 12.7#

127 7.3 10.5 15.7#

