

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101818\
 Data File : VV008338.D
 Acq On : 18 Oct 2018 12:42
 Operator : SY/MD
 Sample : J5463-10
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 19 05:27:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 05:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	110643	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	99907	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	39552	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28477	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.59	69	19359	3.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.40%
11) 1,1-Dichloroethene-d2	2.14	63	52451	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.40%
20) 2-Butanone-d5	3.96	46	104239	49.70	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.40%
24) Chloroform-d	4.41	84	61583	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.09	65	33157	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	5.10	84	136911	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.12	67	45913	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.36	98	117502	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	7.67	79	15545	3.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.60%
46) 2-Hexanone-d5	8.14	63	66199	47.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.26%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	24950	3.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	35173	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	928	0.107	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	536	0.094	ug/L #	27
12) 1,1-Dichloroethene	2.14	96	14096	2.652	ug/L #	67
13) Acetone	2.21	43	3832	3.377	ug/L	92
14) Carbon disulfide	2.32	76	45960	2.513	ug/L	99
15) Methyl Acetate	2.46	43	1026	0.363	ug/L #	50
16) Methylene chloride	2.54	84	886	0.144	ug/L	91
17) Methyl tert-butyl Ether	2.82	73	2234	0.148	ug/L #	87
18) trans-1,2-Dichloroethene	2.79	96	627	0.110	ug/L	82
19) 1,1-Dichloroethane	3.23	63	4215	0.357	ug/L	95
22) cis-1,2-Dichloroethene	3.97	96	139580	15.118	ug/L #	99
25) Chloroform	4.44	83	2873	0.198	ug/L	80
29) 1,1,1-Trichloroethane	4.66	97	3285	0.264	ug/L	94
34) Trichloroethene	5.96	95	57879	6.204	ug/L	99
35) Methylcyclohexane	6.12	83	10171	0.646	ug/L #	19
37) 1,2-Dichloropropane	6.12	63	4836	0.532	ug/L #	90
39) cis-1,3-Dichloropropene	7.04	75	1113	0.086	ug/L #	70

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 19 05:24:39 2018
Response via : Initial Calibration

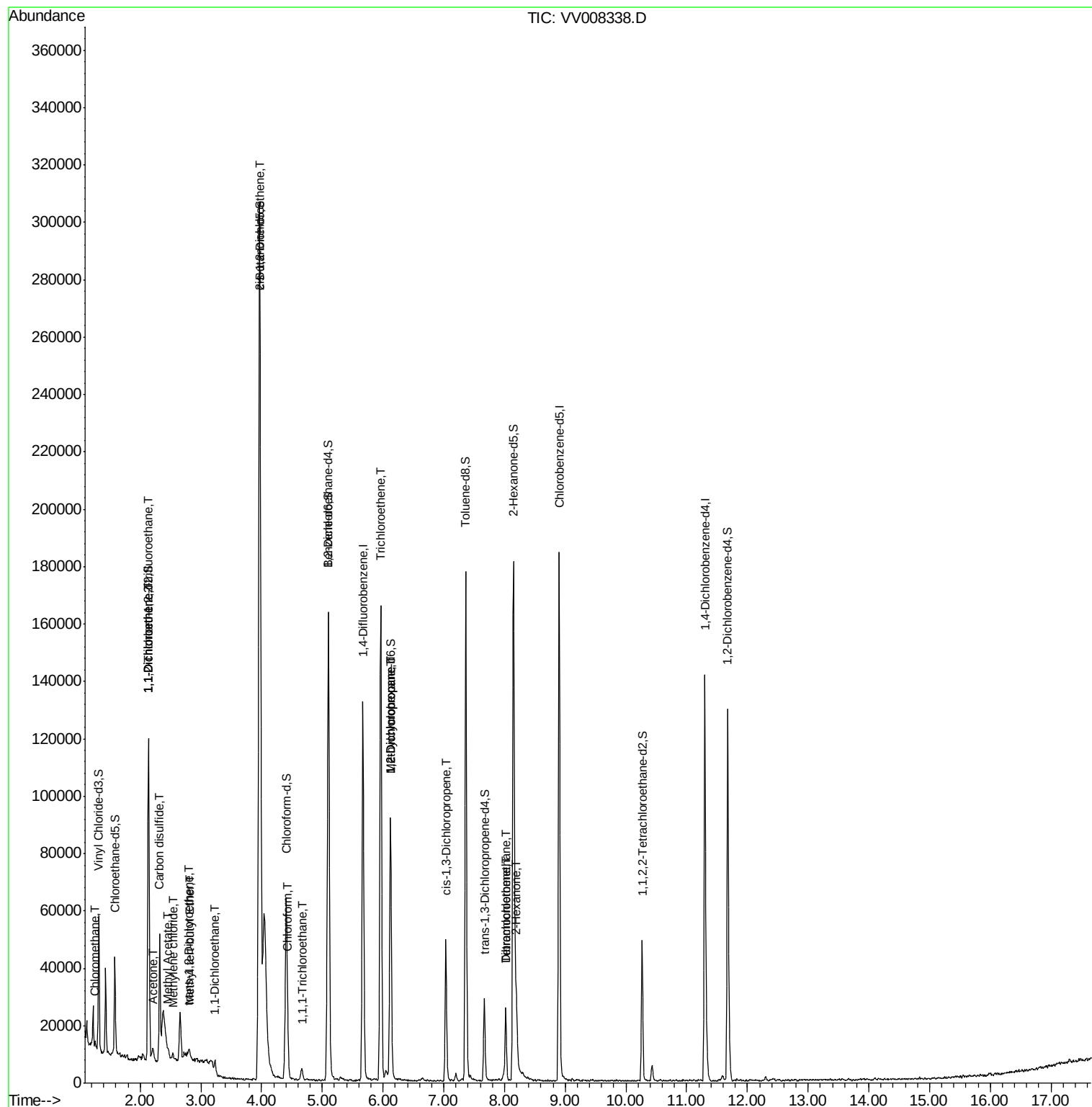
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	8.02	164	5481	0.938	ug/L	96
48) 2-Hexanone	8.20	43	17170	4.223	ug/L #	85
49) Dibromochloromethane	8.02	129	5130	0.798	ug/L #	10

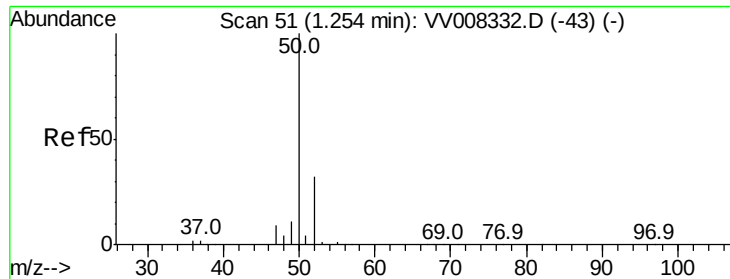
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.107 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV008338.D

Acq: 18 Oct 2018 12:42

Instrument :

MSVOA_V

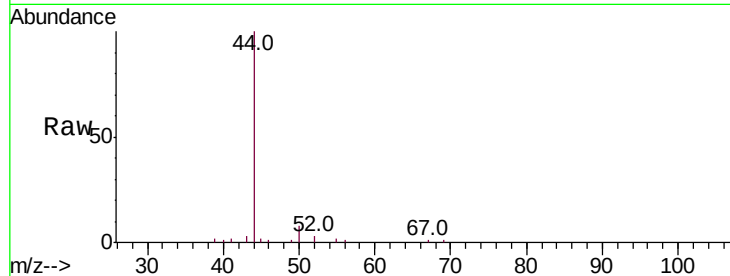
ClientSampled :

Tot Ion: 50 Resp: 928

Ion Ratio Lower Upper

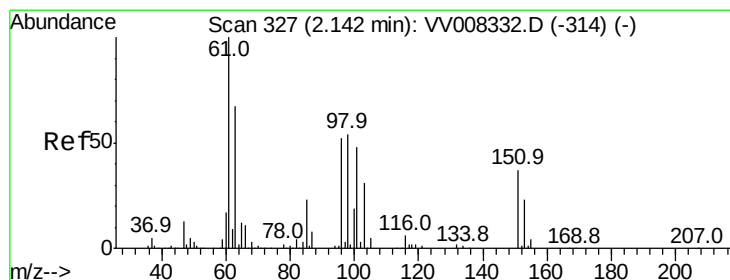
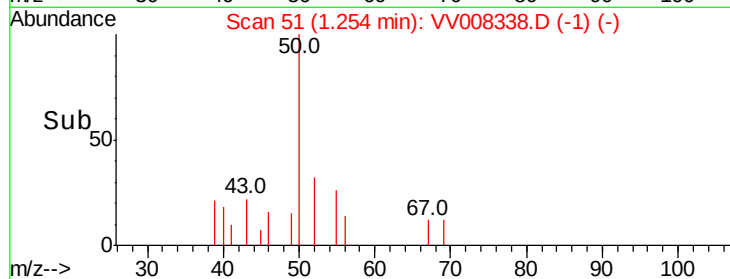
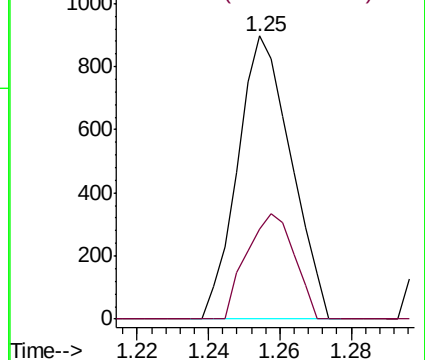
50 100

52 31.7 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VV008332.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV008332.D (-43) (-)



#10

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

Concen: 0.094 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV008338.D

Acq: 18 Oct 2018 12:42

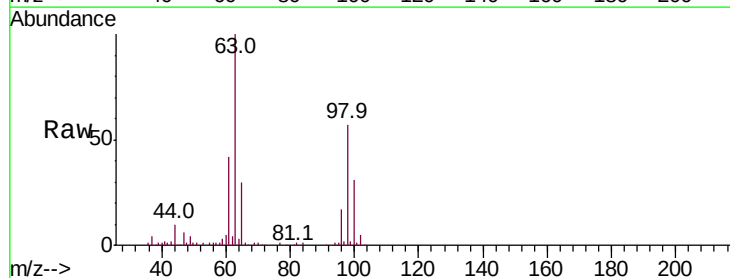
Tgt Ion: 101 Resp: 536

Ion Ratio Lower Upper

101 100

85 12.9 37.4 56.2#

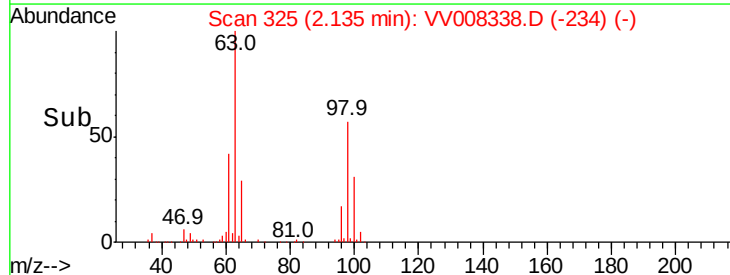
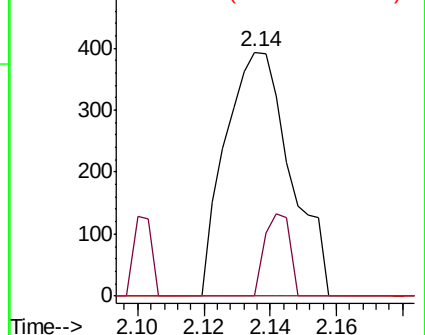
151 0.0 59.0 88.6#

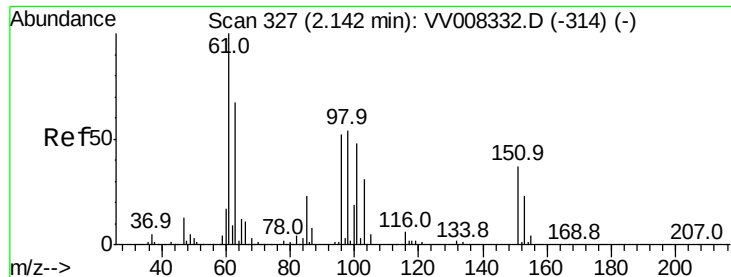


Abundance Ion 101.00 (100.70 to 101.70): VV008338.D (-234) (-)

Ion 85.00 (84.70 to 85.70): VV008338.D (-234) (-)

Ion 151.00 (150.70 to 151.70): VV008338.D (-234) (-)





#12

1,1-Dichloroethene

Concen: 2.652 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008338.D

Acq: 18 Oct 2018 12:42

Instrument :
MSVOA_V
ClientSampled :

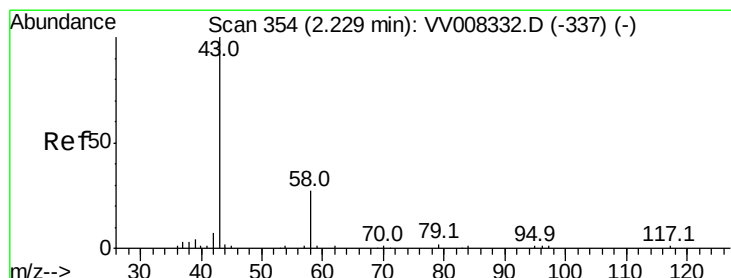
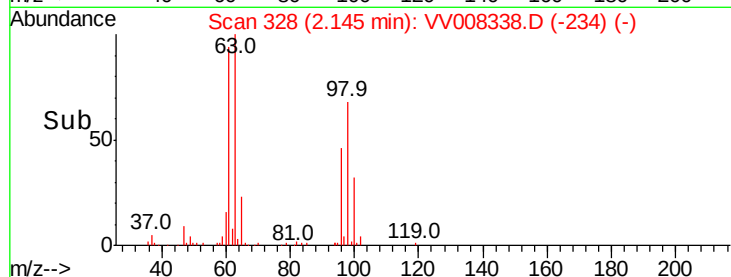
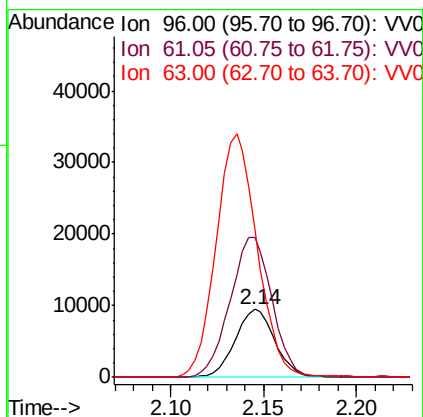
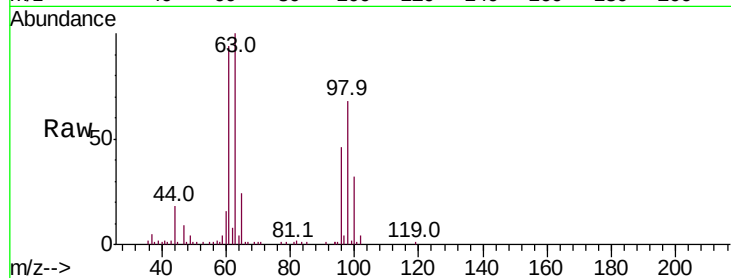
Tot Ion: 96 Resp: 14096

Ion Ratio Lower Upper

96 100

61 206.7 129.9 241.3

63 219.0 103.0 191.4#



#13

Acetone

Concen: 3.377 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.02 min

Lab File: VV008338.D

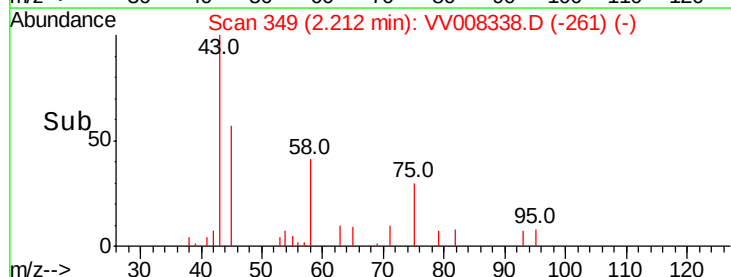
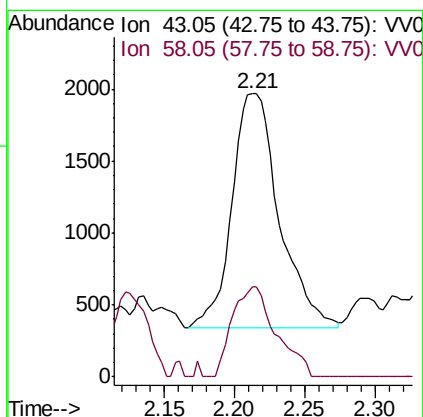
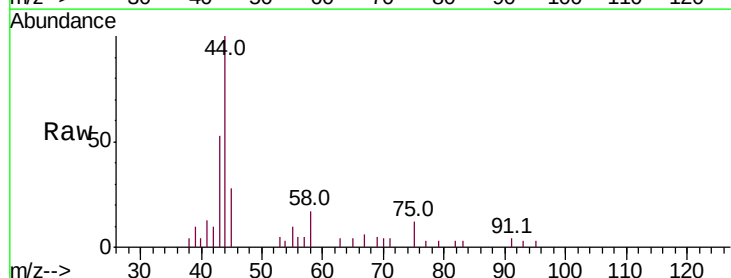
Acq: 18 Oct 2018 12:42

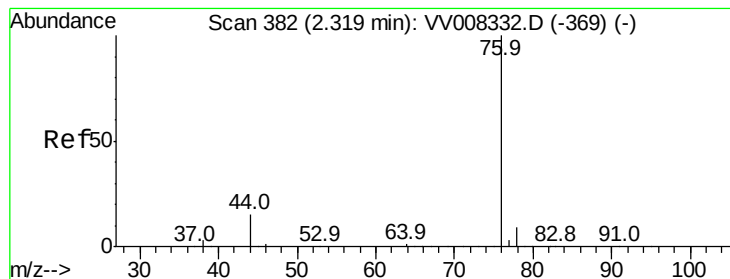
Tgt Ion: 43 Resp: 3832

Ion Ratio Lower Upper

43 100

58 35.6 0.0 62.0





#14

Carbon disulfide

Concen: 2.513 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV008338.D

Acq: 18 Oct 2018 12:42

Instrument :

MSVOA_V

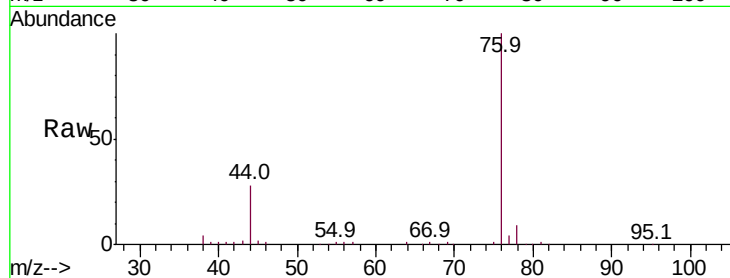
ClientSampleId :

Tot Ion: 76 Resp: 45960

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

30000

20000

10000

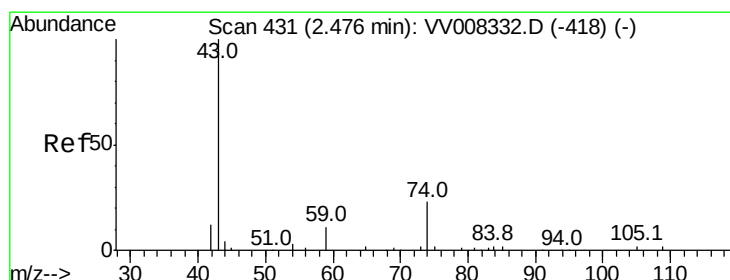
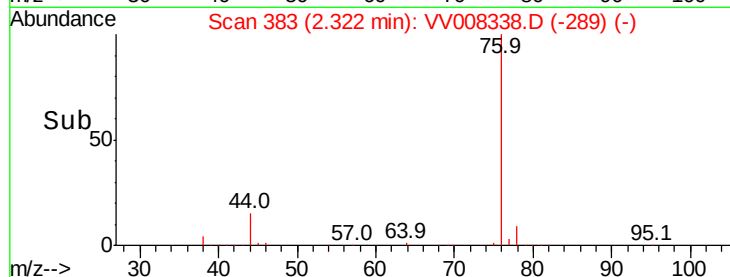
0

Time-->

2.25

2.30

2.35



#15

Methyl Acetate

Concen: 0.363 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.01 min

Lab File: VV008338.D

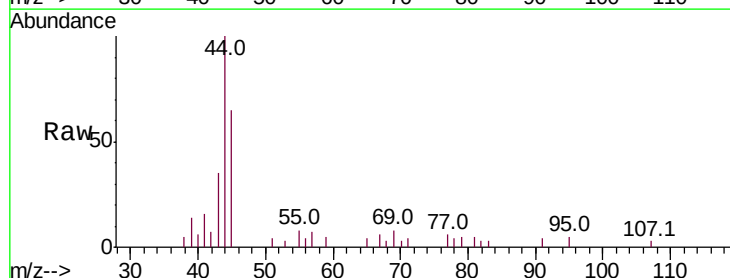
Acq: 18 Oct 2018 12:42

Tgt Ion: 43 Resp: 1026

Ion Ratio Lower Upper

43 100

74 0.0 20.0 30.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.46

1500

1000

500

0

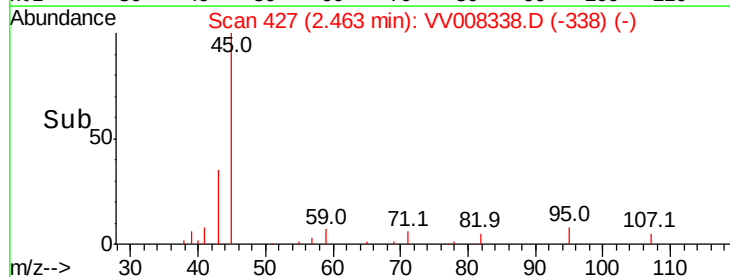
Time-->

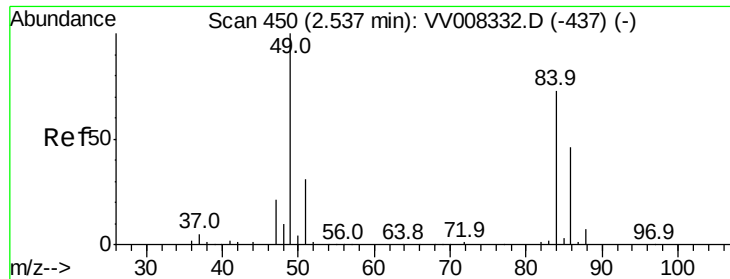
2.44

2.46

2.48

2.50

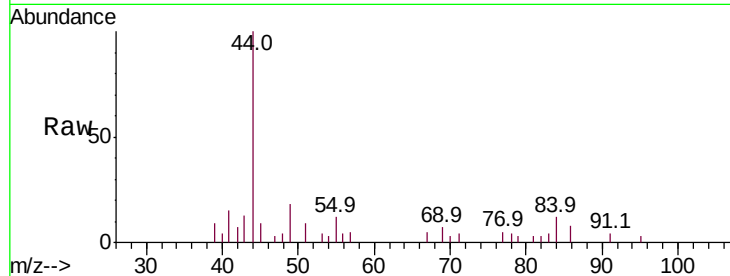




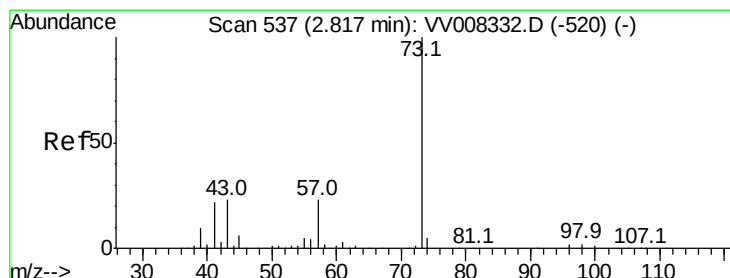
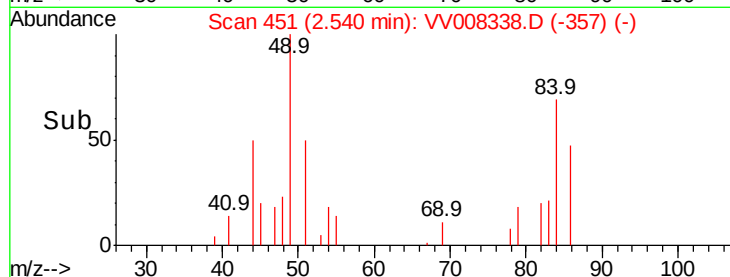
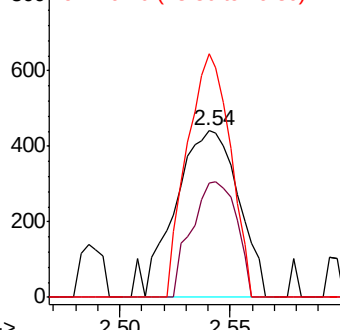
#16
Methvlene chloride
Concen: 0.144 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008338.D
Acq: 18 Oct 2018 12:42

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 84 Resp: 886
Ion Ratio Lower Upper
84 100
86 68.6 45.0 83.6
49 145.9 92.9 172.5

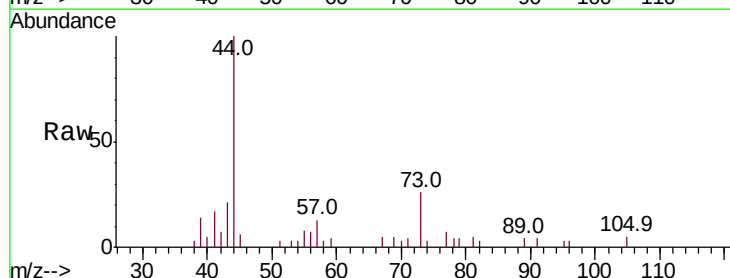


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

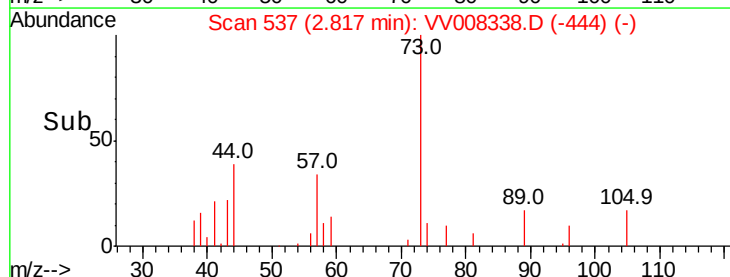
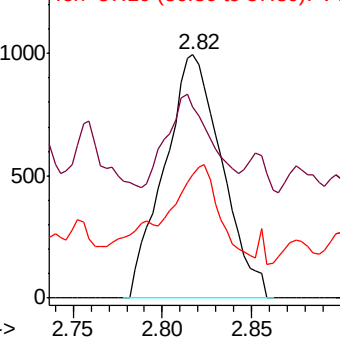


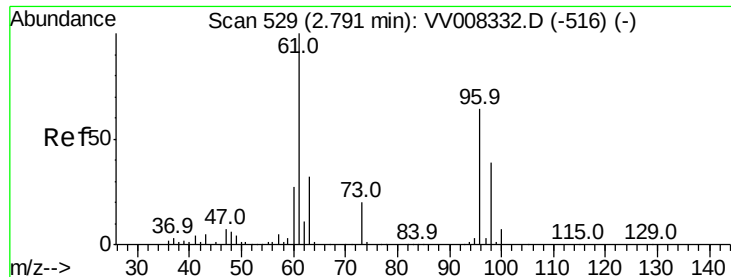
#17
Methyl tert-butyl Ether
Concen: 0.148 ug/L
RT: 2.82 min Scan# 537
Delta R.T. -0.00 min
Lab File: VV008338.D
Acq: 18 Oct 2018 12:42

Tgt Ion: 73 Resp: 2234
Ion Ratio Lower Upper
73 100
43 33.0 19.0 28.6#
57 26.1 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

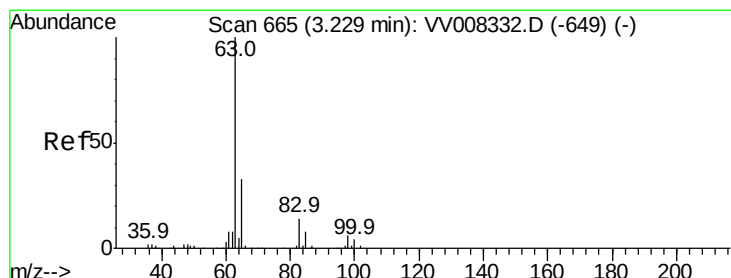
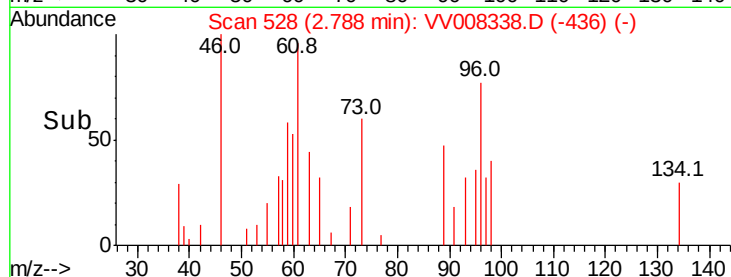
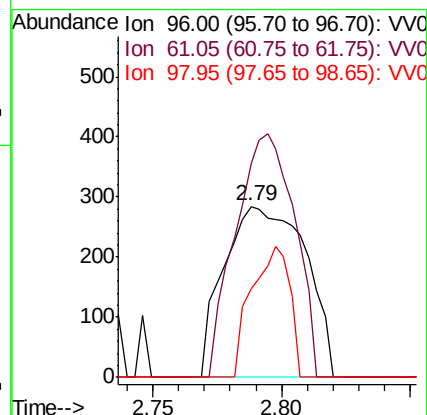
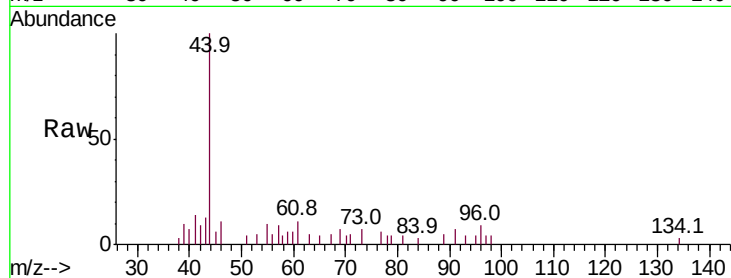




#18
trans-1,2-Dichloroethene
Concen: 0.110 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV008338.D
Acq: 18 Oct 2018 12:42

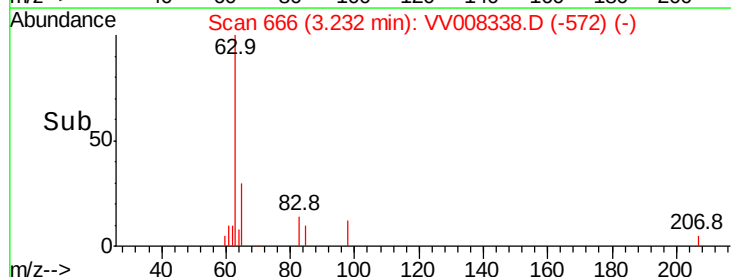
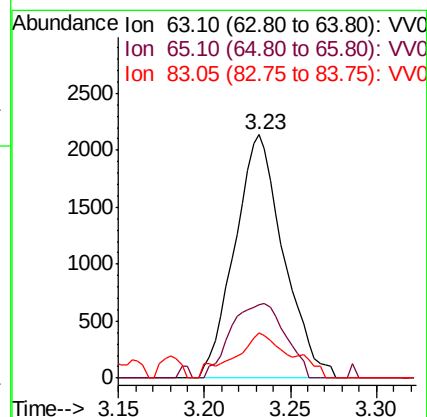
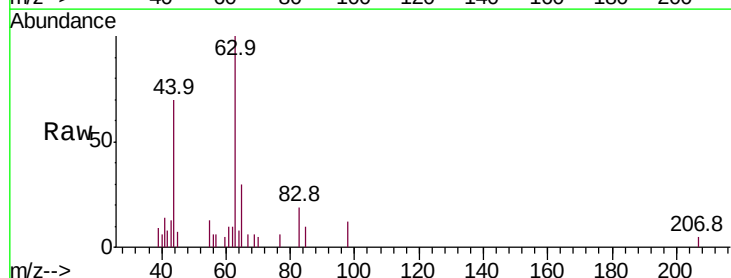
Instrument :
MSVOA_V
ClientSampleId :

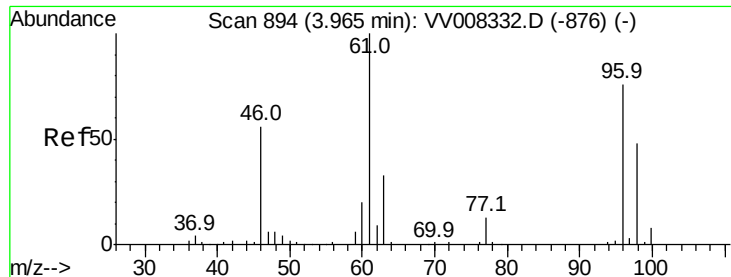
Tot Ion: 96 Resp: 627
Ion Ratio Lower Upper
96 100
61 124.9 104.6 194.2
98 51.6 44.1 81.9



#19
1,1-Dichloroethane
Concen: 0.357 ug/L
RT: 3.23 min Scan# 666
Delta R.T. 0.00 min
Lab File: VV008338.D
Acq: 18 Oct 2018 12:42

Tgt Ion: 63 Resp: 4215
Ion Ratio Lower Upper
63 100
65 30.4 22.6 42.0
83 18.6 11.0 20.4



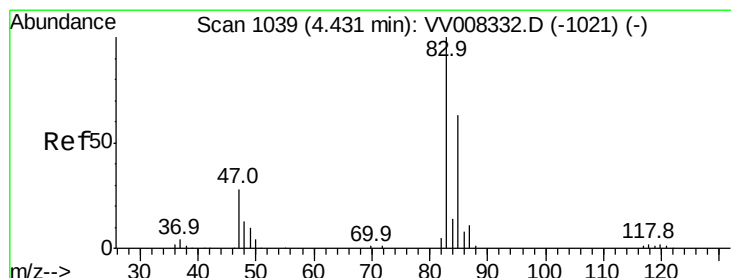
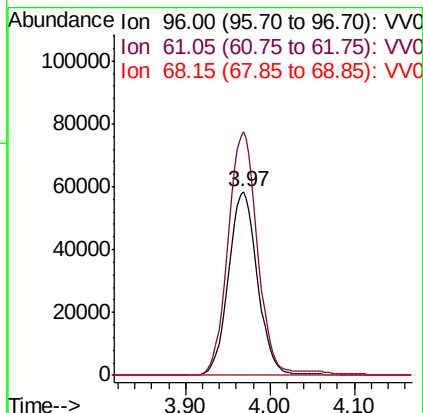
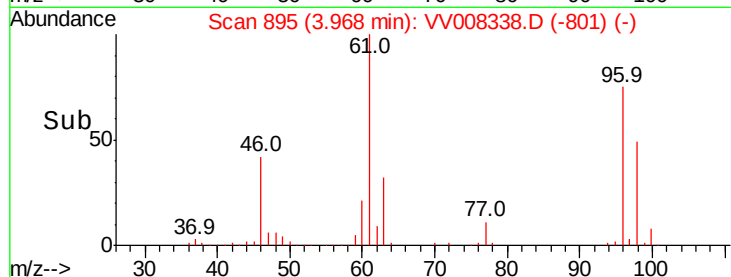
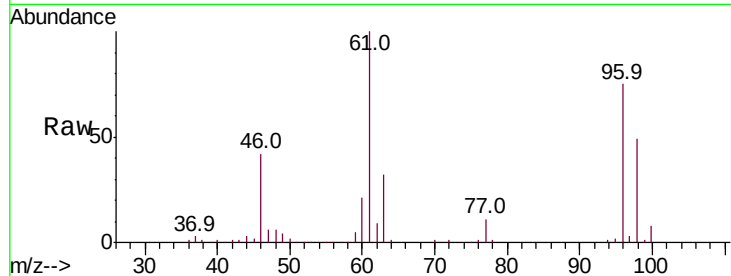


#22

cis-1,2-Dichloroethene
Concen: 15.118 ug/L
RT: 3.97 min Scan# 895
Delta R.T. 0.00 min
Lab File: VV008338.D
Acq: 18 Oct 2018 12:42

Instrument :
MSVOA_V
ClientSampleId :

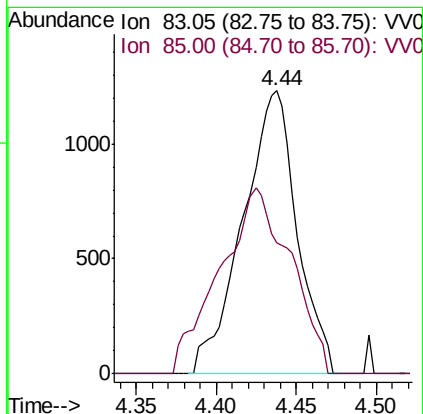
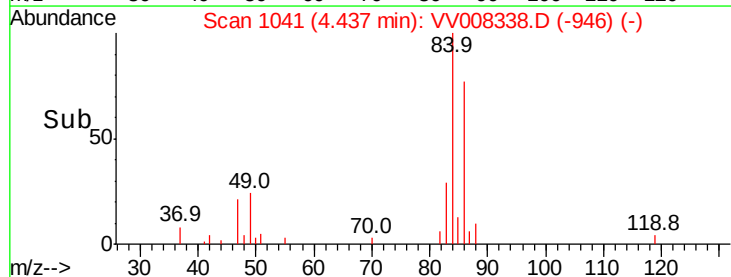
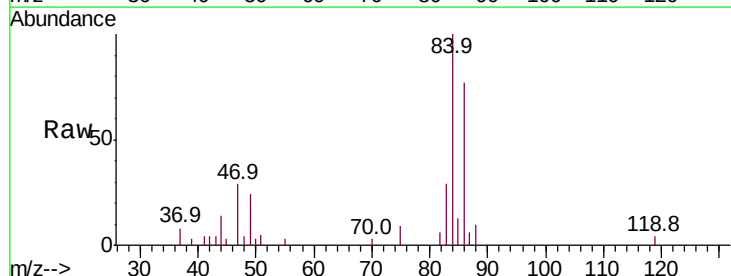
Tot Ion: 96 Resp: 139580
Ion Ratio Lower Upper
96 100
61 132.6 93.7 174.1
68 0.0 0.6 1.2#

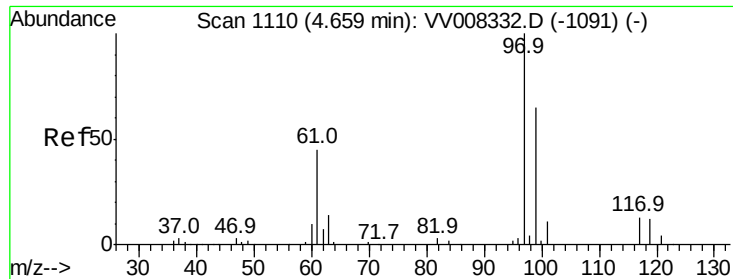


#25

Chloroform
Concen: 0.198 ug/L
RT: 4.44 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VV008338.D
Acq: 18 Oct 2018 12:42

Tgt Ion: 83 Resp: 2873
Ion Ratio Lower Upper
83 100
85 46.4 43.4 80.6

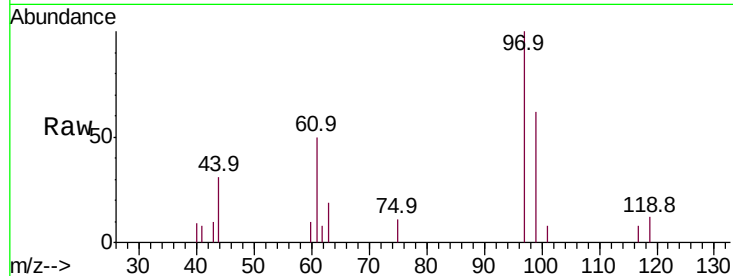




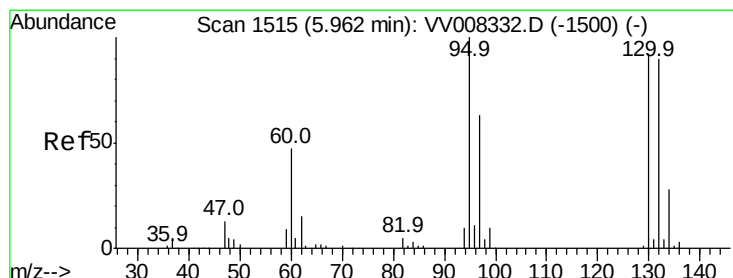
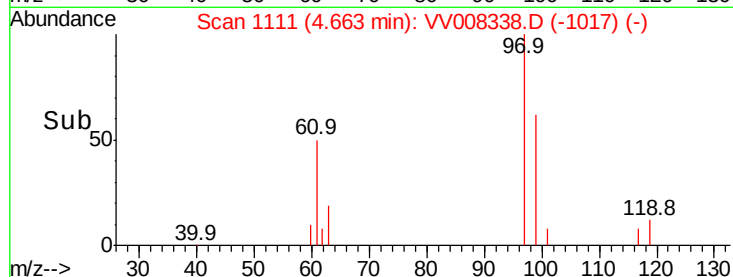
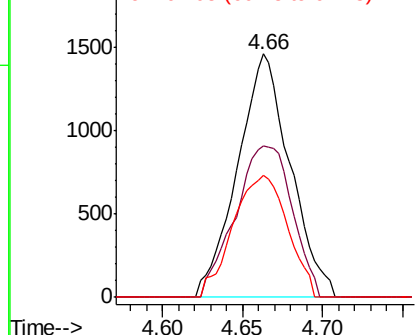
#29
1,1,1-Trichloroethane
Concen: 0.264 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV008338.D
Acq: 18 Oct 2018 12:42

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 97 Resp: 3285
Ion Ratio Lower Upper
97 100
99 67.3 51.6 77.4
61 51.9 37.0 55.6

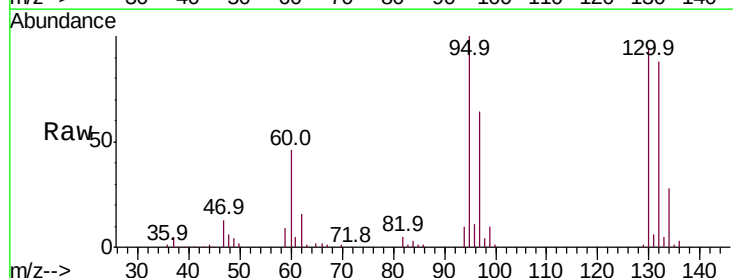


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

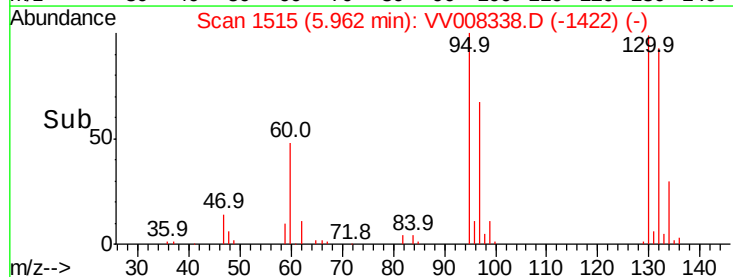
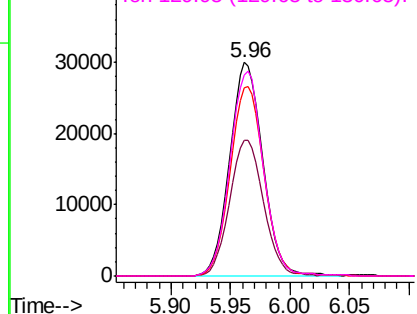


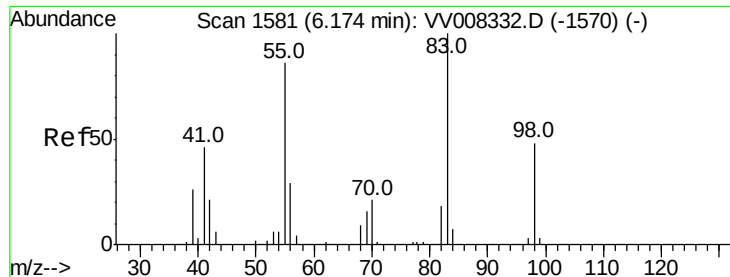
#34
Trichloroethene
Concen: 6.204 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. -0.00 min
Lab File: VV008338.D
Acq: 18 Oct 2018 12:42

Tgt Ion: 95 Resp: 57879
Ion Ratio Lower Upper
95 100
97 63.6 44.4 82.4
132 87.9 60.4 112.2
130 93.9 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

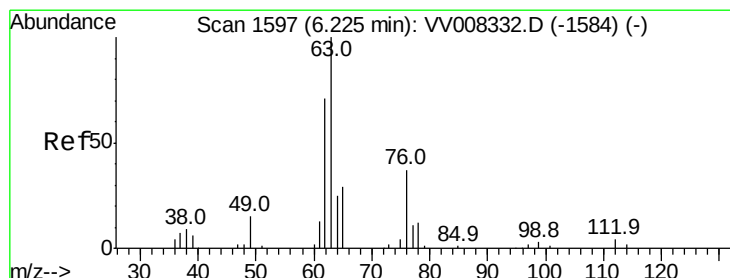
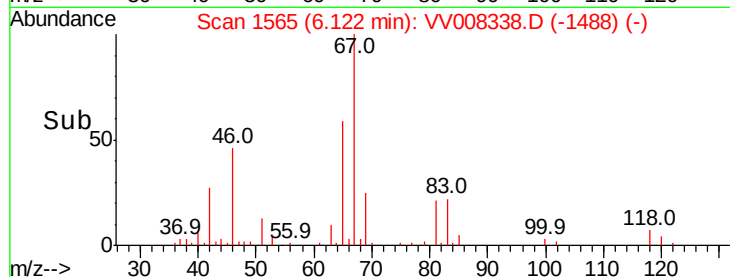
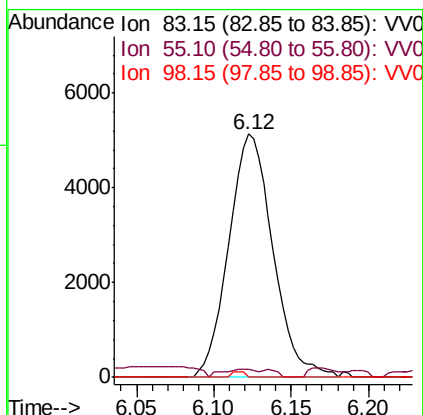
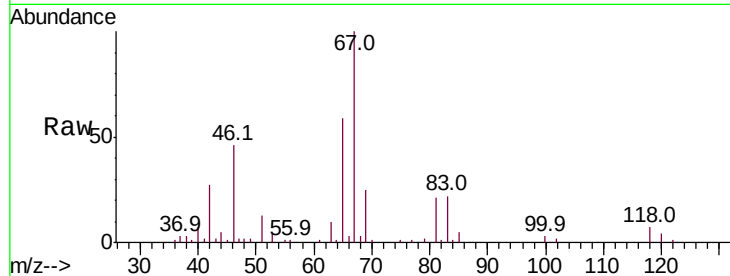




#35
Methylvlcyclohexane
Concen: 0.646 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.05 min
Lab File: VV008338.D
Acq: 18 Oct 2018 12:42

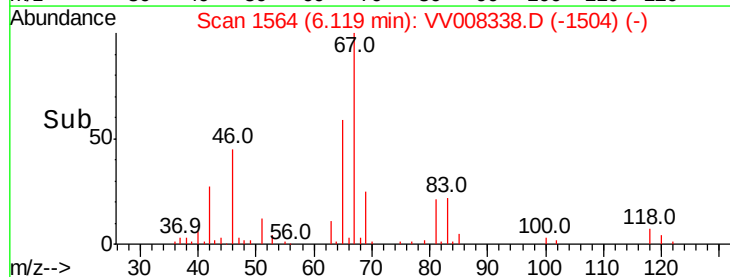
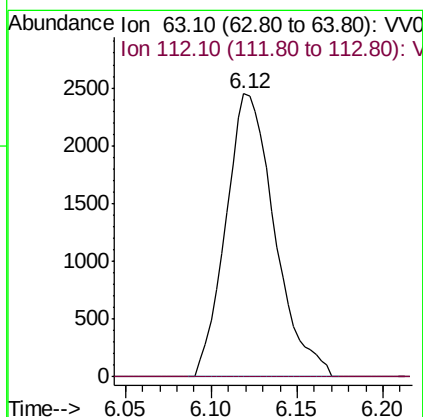
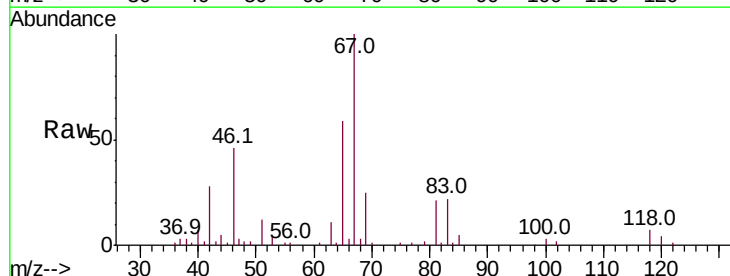
Instrument :
MSVOA_V
ClientSampleId :

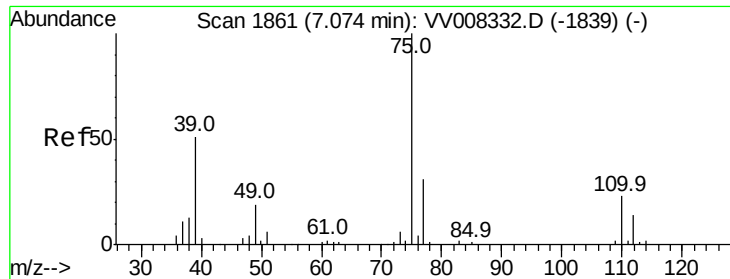
Tot Ion: 83 Resp: 10171
Ion Ratio Lower Upper
83 100
55 2.6 64.0 96.0#
98 0.0 37.0 55.4#



#37
1,2-Dichloropropane
Concen: 0.532 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.11 min
Lab File: VV008338.D
Acq: 18 Oct 2018 12:42

Tgt Ion: 63 Resp: 4836
Ion Ratio Lower Upper
63 100
112 0.0 2.6 3.8#



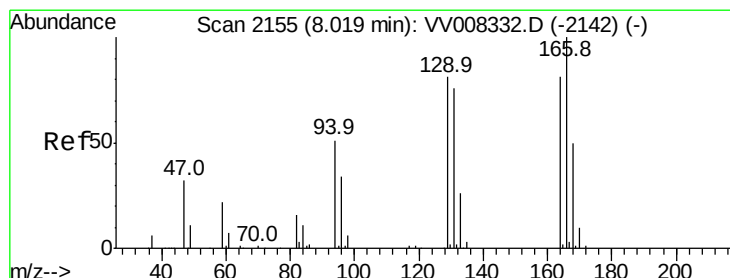
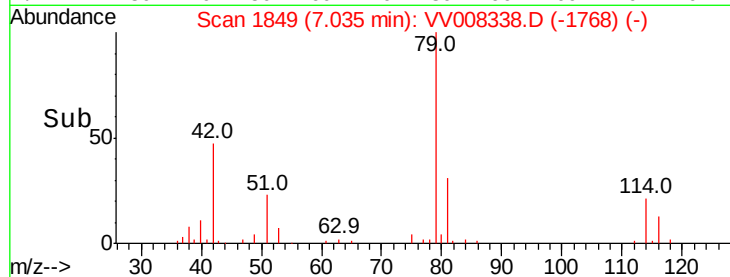
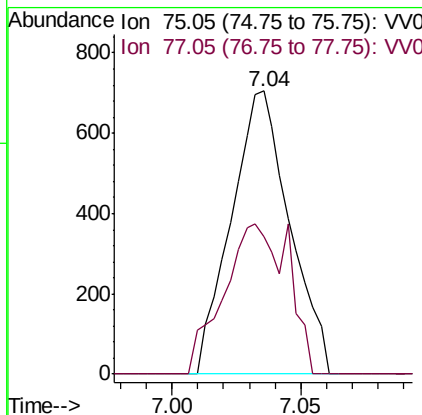
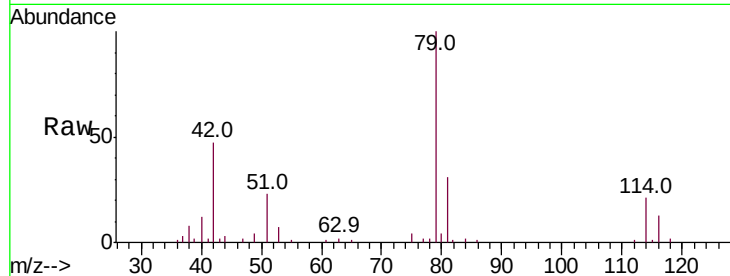


#39

cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV008338.D
 Acq: 18 Oct 2018 12:42

Instrument :
 MSVOA_V
 ClientSampleId :

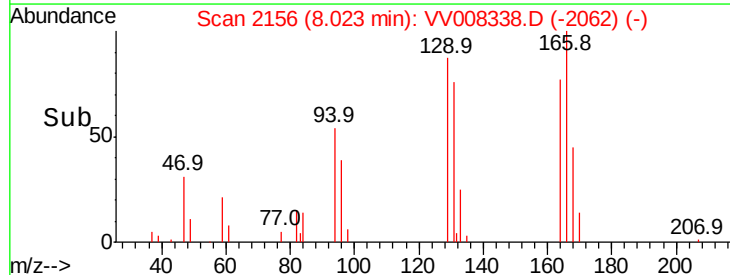
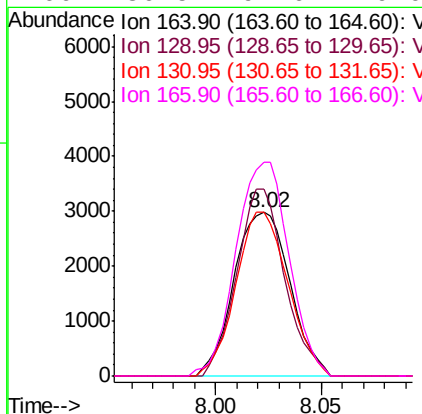
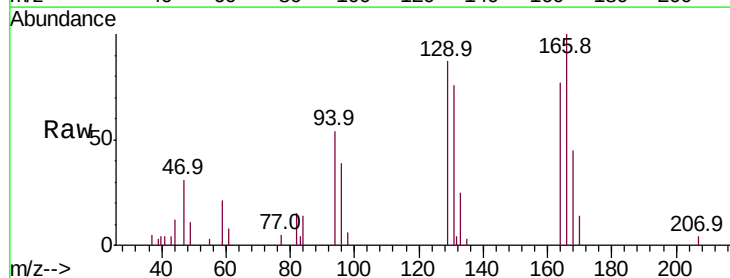
Tot Ion: 75 Resp: 1113
 Ion Ratio Lower Upper
 75 100
 77 48.5 22.3 41.3#

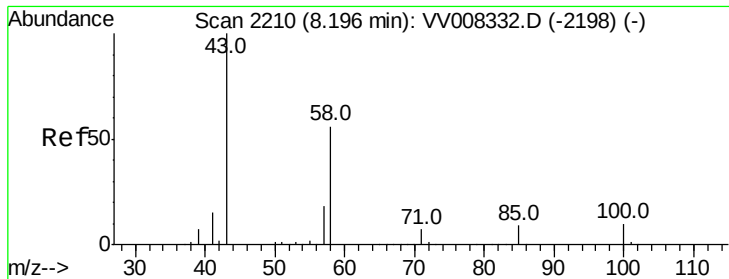


#47

Tetrachloroethene
 Concen: 0.938 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008338.D
 Acq: 18 Oct 2018 12:42

Tgt Ion:164 Resp: 5481
 Ion Ratio Lower Upper
 164 100
 129 113.9 76.5 142.1
 131 99.8 74.7 138.7
 166 130.5 91.6 170.0

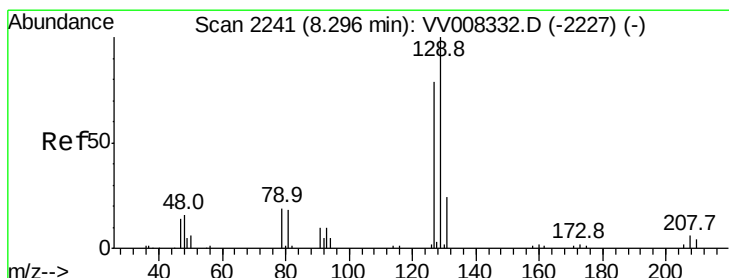
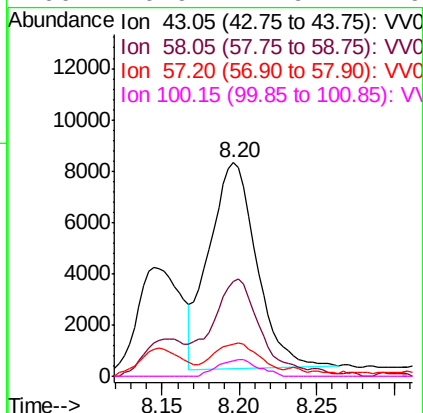
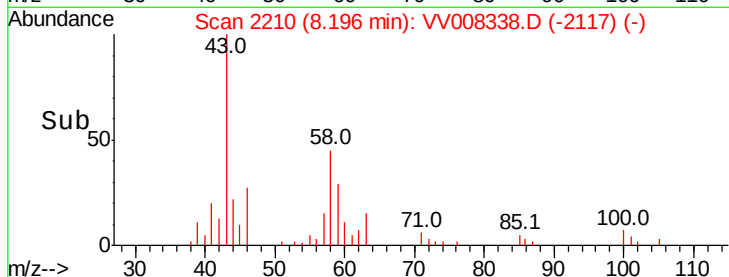
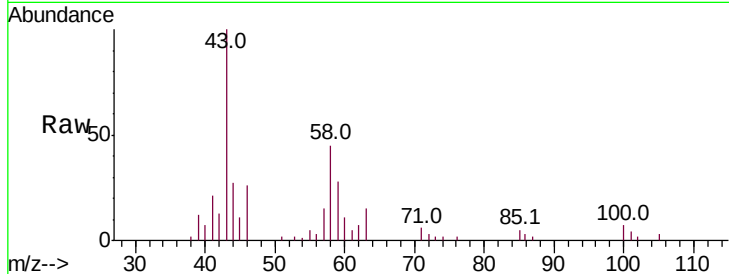




#48
2-Hexanone
Concen: 4.223 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VV008338.D
Acq: 18 Oct 2018 12:42

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 17170
Ion Ratio Lower Upper
43 100
58 42.8 45.0 67.4#
57 14.4 14.4 21.6#
100 6.9 7.9 11.9#



#49
Dibromochloromethane
Concen: 0.798 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. -0.27 min
Lab File: VV008338.D
Acq: 18 Oct 2018 12:42

Tgt Ion: 129 Resp: 5130
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#

