

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101618\
 Data File : VV008322.D
 Acq On : 17 Oct 2018 03:40
 Operator : SY/MD
 Sample : J5463-09
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0JC0

Quant Time: Oct 17 05:07:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 17 05:02:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	82350	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	71749	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	28499	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	20988	4.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.20%
7) Chloroethane-d5	1.58	69	17813	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.13	63	33931	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.00%
20) 2-Butanone-d5	3.96	46	77300	49.52	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.04%
24) Chloroform-d	4.41	84	45873	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.09	65	24549	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.10	84	99864	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.12	67	33049	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.36	98	86736	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	7.67	79	10727	3.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.60%
46) 2-Hexanone-d5	8.14	63	44705	44.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.64%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	20704	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	25340	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	1674	0.259	ug/L	99
5) Vinyl chloride	1.32	62	1199	0.196	ug/L #	31
12) 1,1-Dichloroethene	2.14	96	738	0.187	ug/L #	1
13) Acetone	2.20	43	4006	4.743	ug/L	95
14) Carbon disulfide	2.33	76	2105	0.155	ug/L #	80
19) 1,1-Dichloroethane	3.23	63	785	0.089	ug/L #	84
22) cis-1,2-Dichloroethene	3.97	96	36720	5.344	ug/L #	93
34) Trichloroethene	5.96	95	1728742	258.011	ug/L	98
35) Methylcyclohexane	6.13	83	7769	0.688	ug/L #	18
37) 1,2-Dichloropropane	6.13	63	3395	0.520	ug/L #	90
39) cis-1,3-Dichloropropene	7.03	75	774	0.083	ug/L #	27
42) Toluene	7.44	91	10219	0.405	ug/L	99
47) Tetrachloroethene	8.02	164	2606	0.621	ug/L	89
48) 2-Hexanone	8.19	43	18109	6.201	ug/L #	89
49) Dibromochloromethane	8.02	129	2528	0.548	ug/L #	10
52) Ethylbenzene	9.06	91	2425	0.088	ug/L	93
53) m,p-xylene	9.19	106	2612	0.261	ug/L	91

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 17 05:02:19 2018
Response via : Initial Calibration

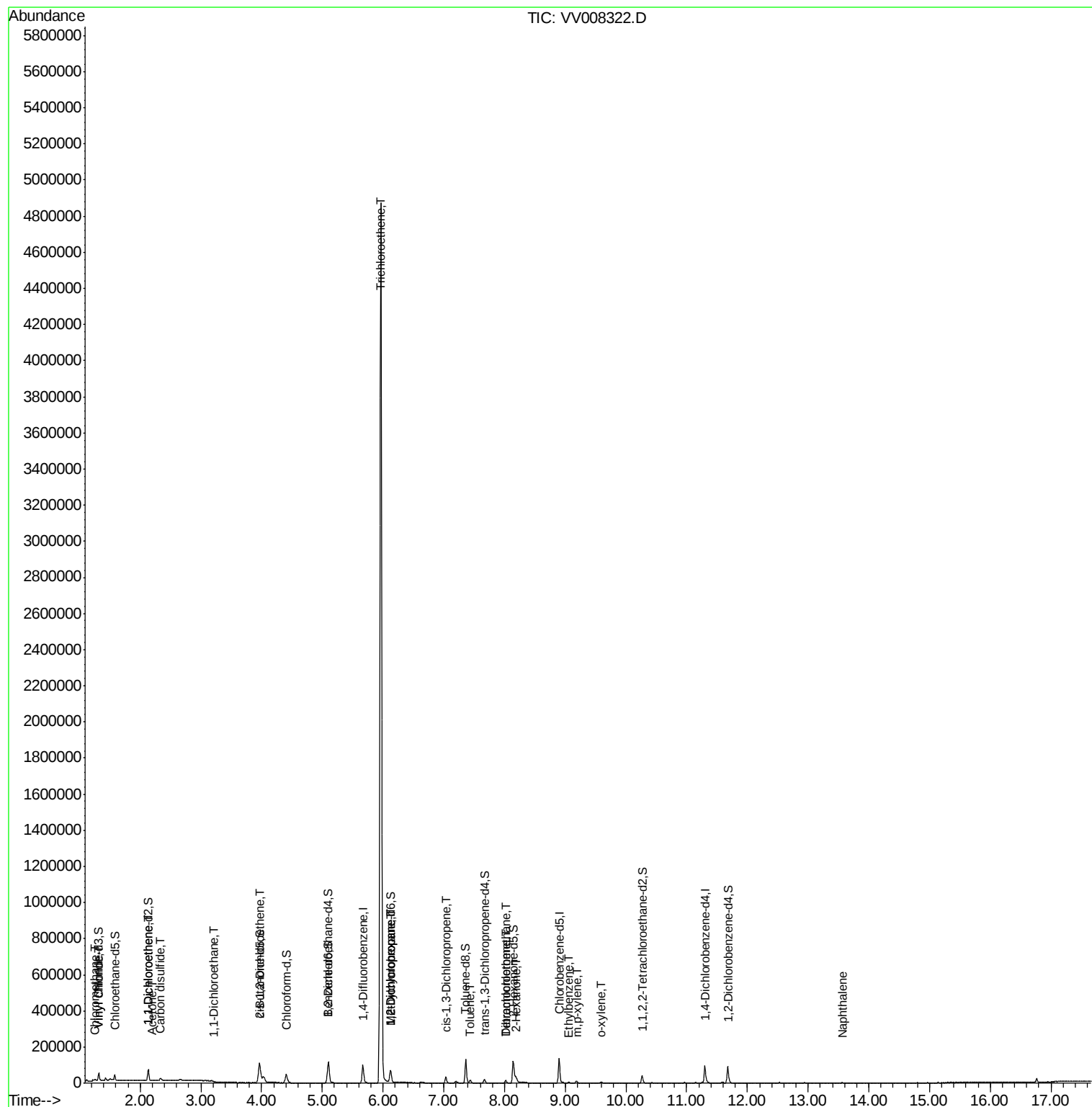
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-xylene	9.59	106	1499	0.150	ug/L	96
69) Naphthalene	13.56	128	1597	0.193	ug/L #	73

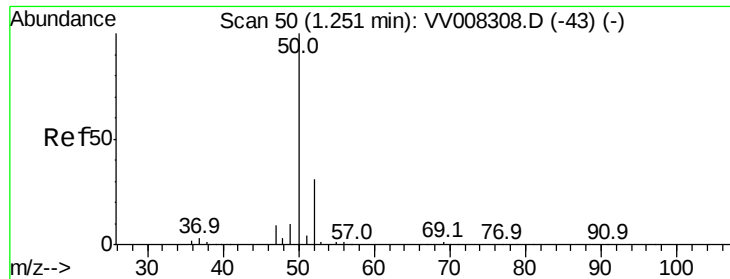
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.259 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008322.D

Acq: 17 Oct 2018 03:40

Instrument :

MSVOA_V

ClientSampled :

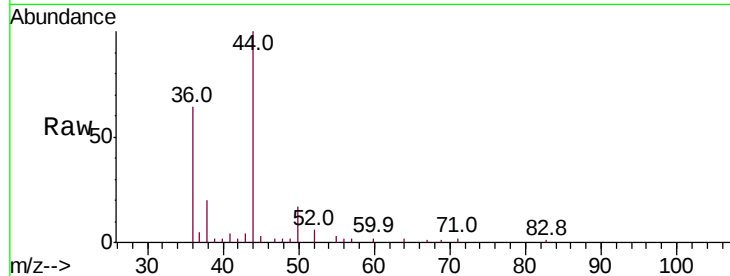
C0JC0

Tot Ion: 50 Resp: 1674

Ion Ratio Lower Upper

50 100

52 34.3 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VV008308.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV008308.D (-43) (-)

1.25

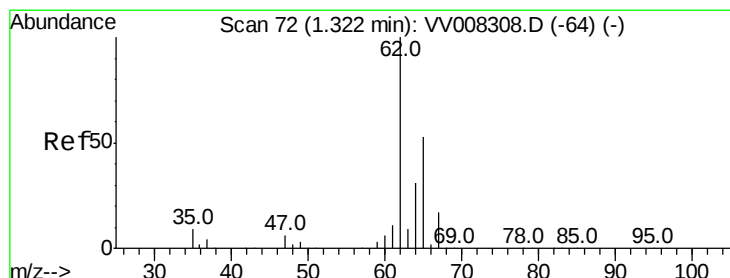
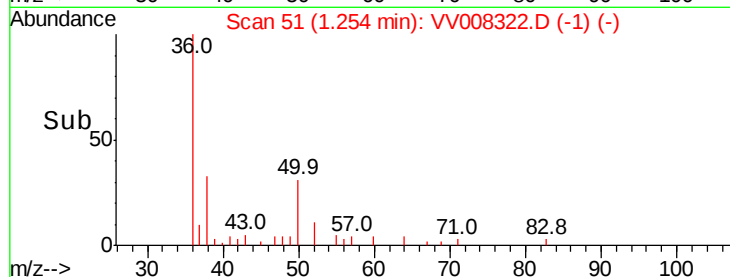
1000

500

0

Time-->

1.22 1.24 1.26 1.28 1.30



#5

Vinyl chloride

Concen: 0.196 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008322.D

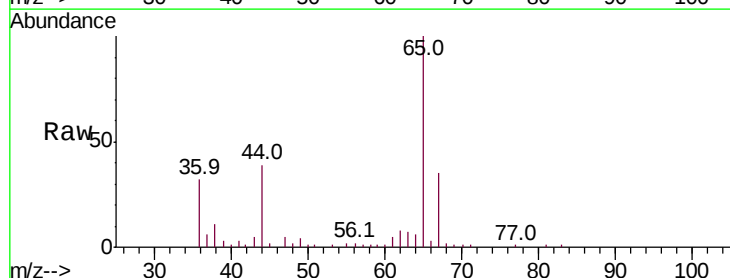
Acq: 17 Oct 2018 03:40

Tgt Ion: 62 Resp: 1199

Ion Ratio Lower Upper

62 100

64 71.4 22.9 42.5#



Abundance Ion 62.00 (61.70 to 62.70): VV008308.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV008308.D (-64) (-)

1.32

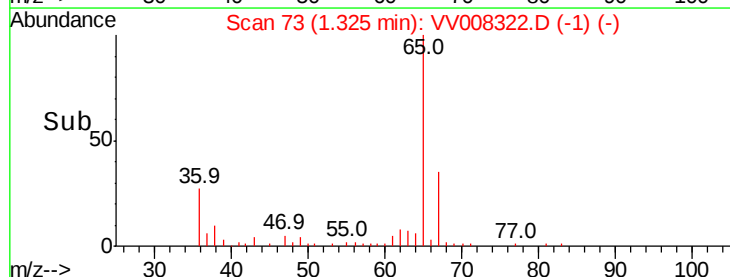
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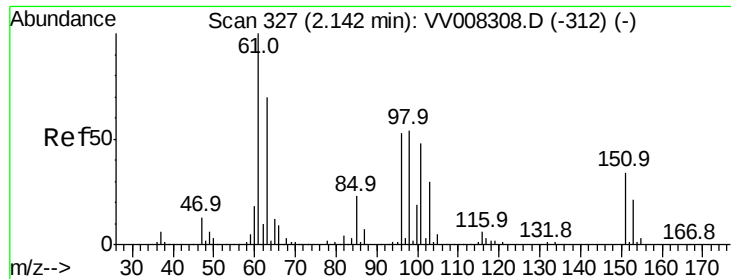
500

0

Time-->

1.30 1.32 1.34





#12

1,1-Dichloroethene

Concen: 0.187 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008322.D

Acq: 17 Oct 2018 03:40

Instrument :

MSVOA_V

ClientSampleId :

C0JC0

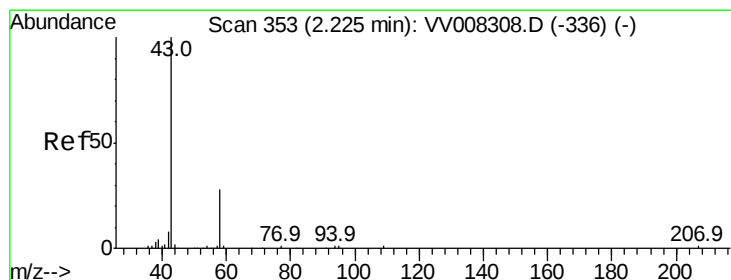
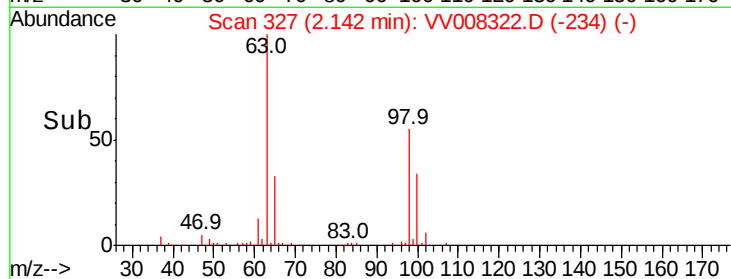
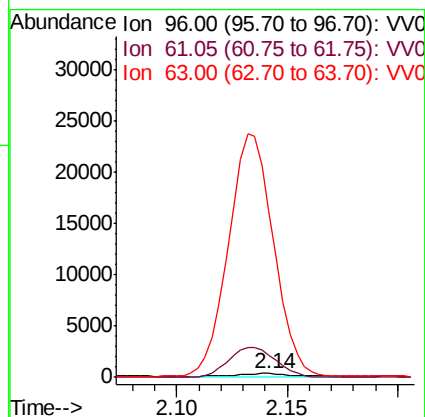
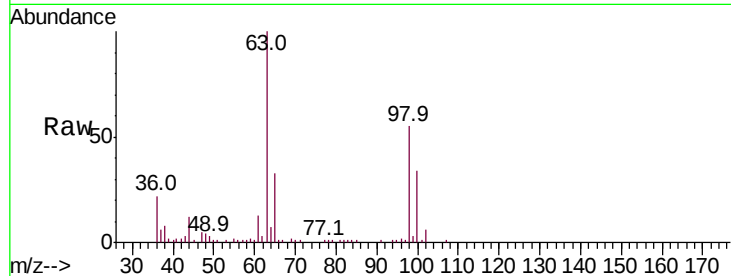
Tot Ion: 96 Resp: 738

Ion Ratio Lower Upper

96 100

61 555.0 129.9 241.3#

63 4214.5 103.0 191.4#



#13

Acetone

Concen: 4.743 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.03 min

Lab File: VV008322.D

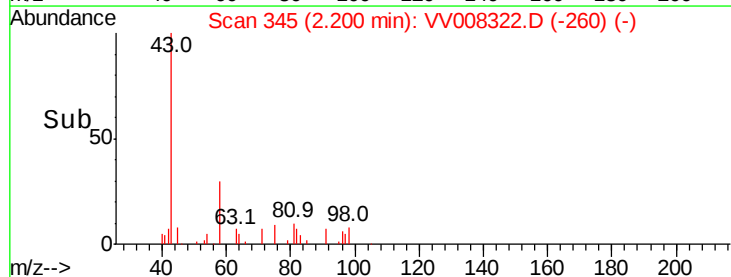
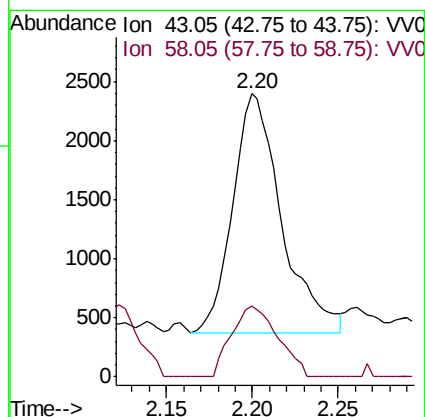
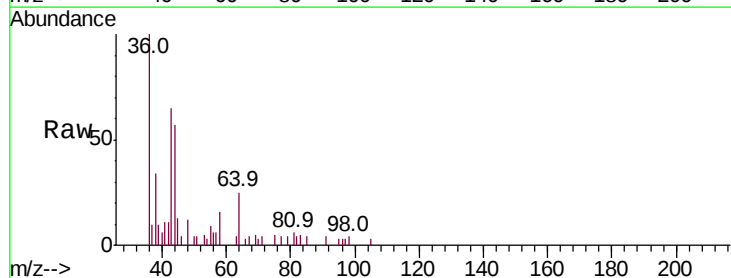
Acq: 17 Oct 2018 03:40

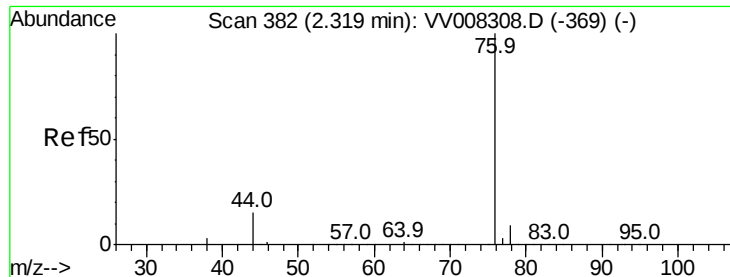
Tgt Ion: 43 Resp: 4006

Ion Ratio Lower Upper

43 100

58 28.0 0.0 62.0





#14

Carbon disulfide

Concen: 0.155 ug/L

RT: 2.33 min Scan# 385

Delta R.T. 0.01 min

Lab File: VV008322.D

Acq: 17 Oct 2018 03:40

Instrument :

MSVOA_V

ClientSampled :

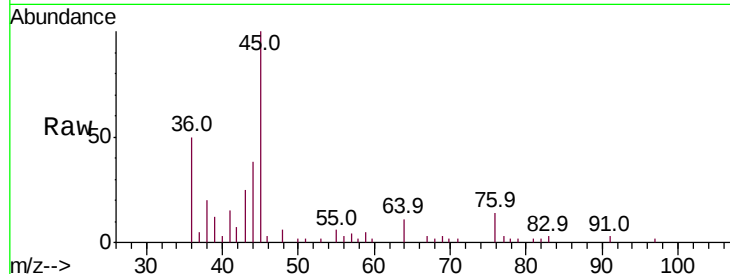
C0JC0

Tot Ion: 76 Resp: 2105

Ion Ratio Lower Upper

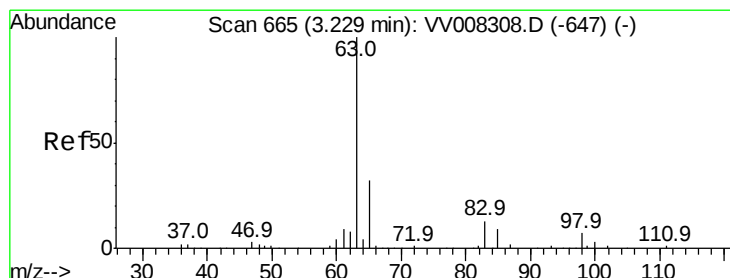
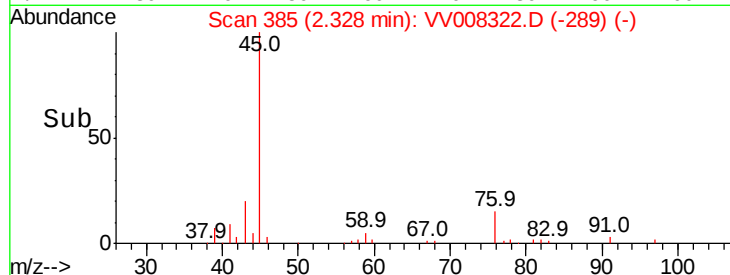
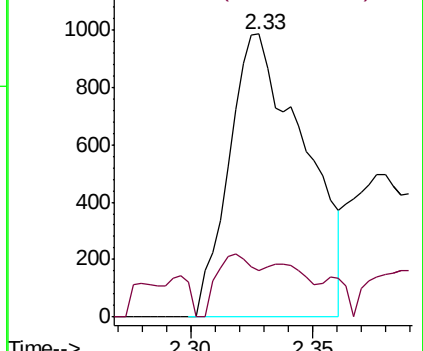
76 100

78 16.5 7.4 11.2#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#19

1,1-Dichloroethane

Concen: 0.089 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV008322.D

Acq: 17 Oct 2018 03:40

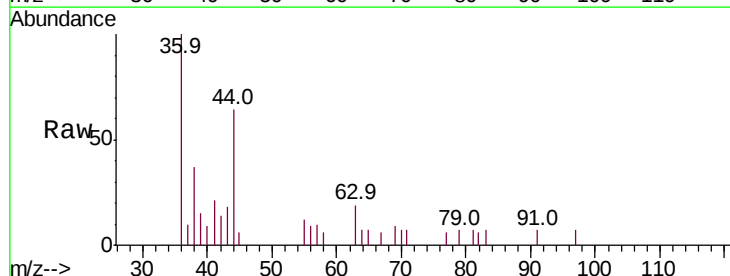
Tgt Ion: 63 Resp: 785

Ion Ratio Lower Upper

63 100

65 26.4 22.6 42.0

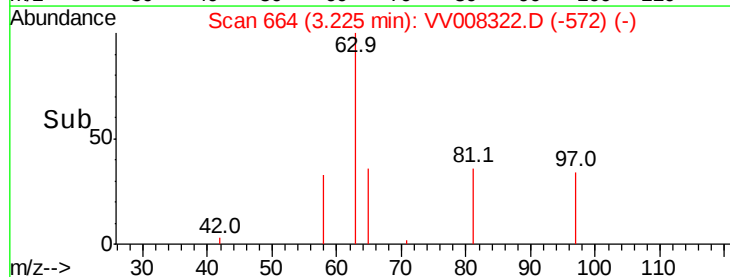
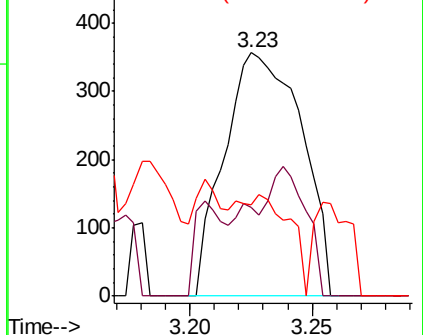
83 27.2 11.0 20.4#

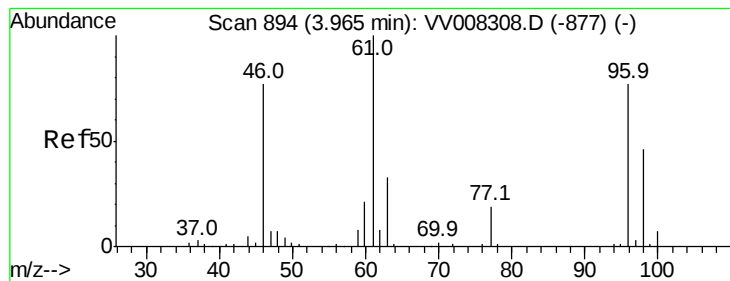


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0





#22

cis-1,2-Dichloroethene

Concen: 5.344 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.00 min

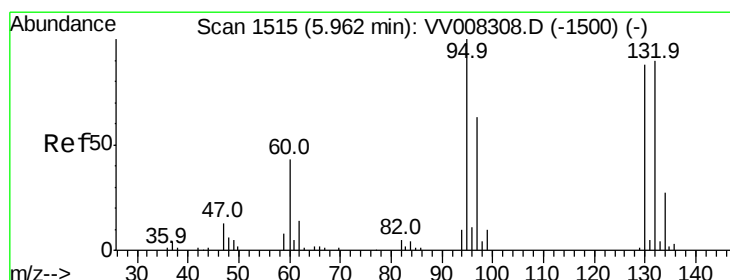
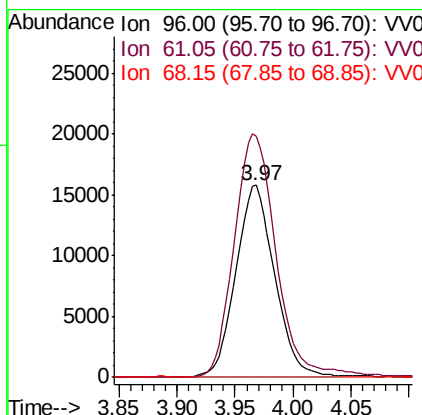
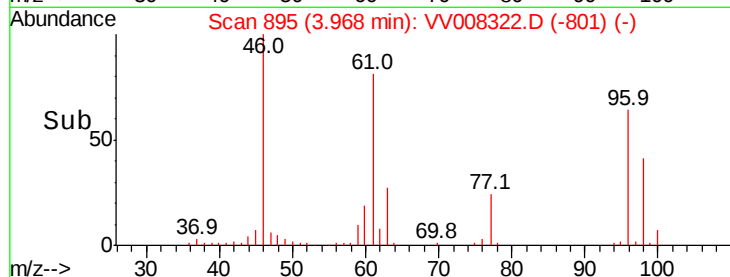
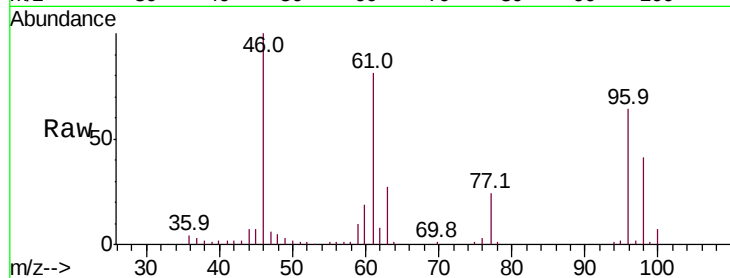
Lab File: VV008322.D

Acq: 17 Oct 2018 03:40

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Tot Ion: 96 Resp: 36720

Ion	Ratio	Lower	Upper
96	100		
61	125.6	93.7	174.1
68	0.0	0.6	1.2#



#34

Trichloroethene

Concen: 258.011 ug/L

RT: 5.96 min Scan# 1516

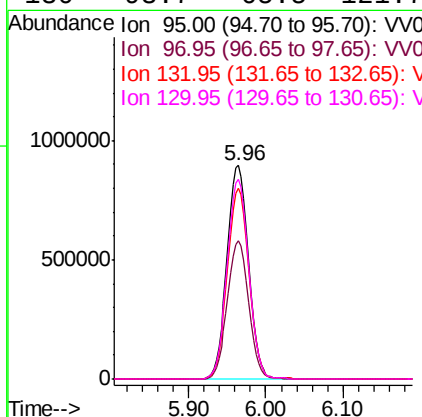
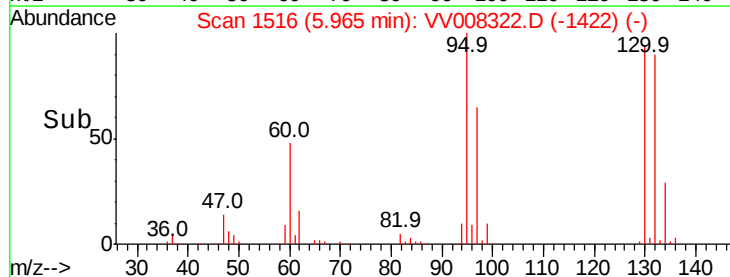
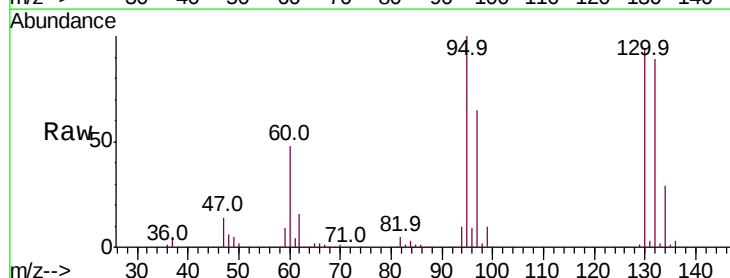
Delta R.T. 0.00 min

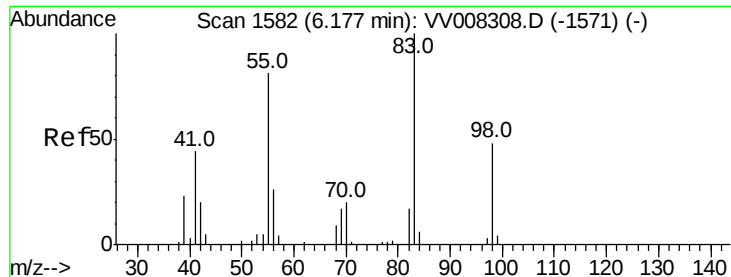
Lab File: VV008322.D

Acq: 17 Oct 2018 03:40

Tgt Ion: 95 Resp: 1728742

Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.4	82.4
132	89.4	60.4	112.2
130	93.7	65.5	121.7

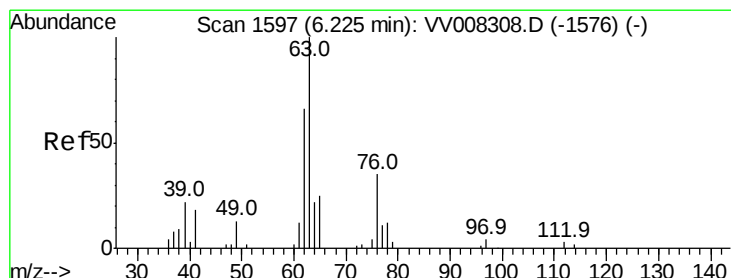
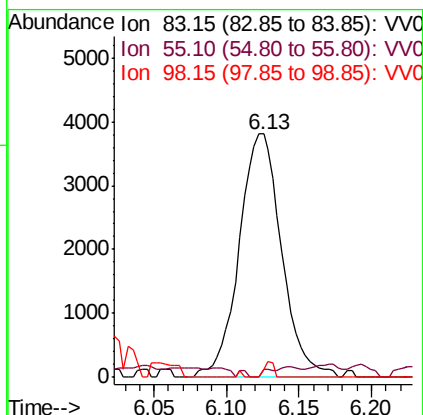
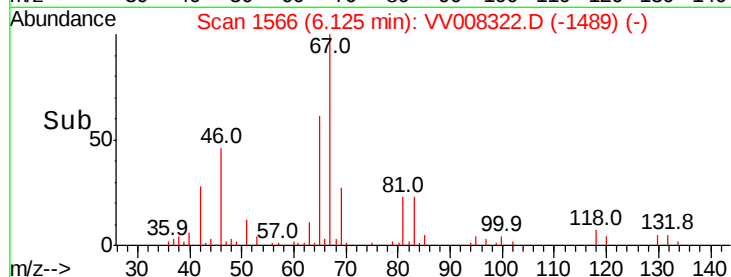
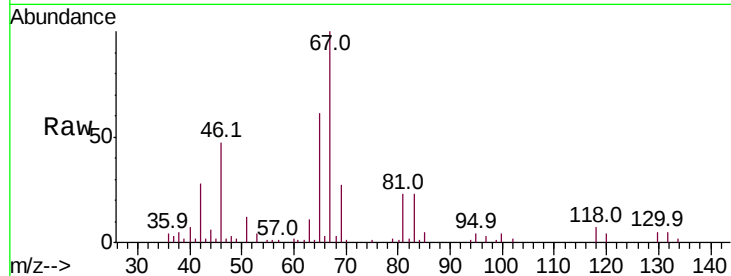




#35
Methvlcvclohexane
Concen: 0.688 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.05 min
Lab File: VV008322.D
Acq: 17 Oct 2018 03:40

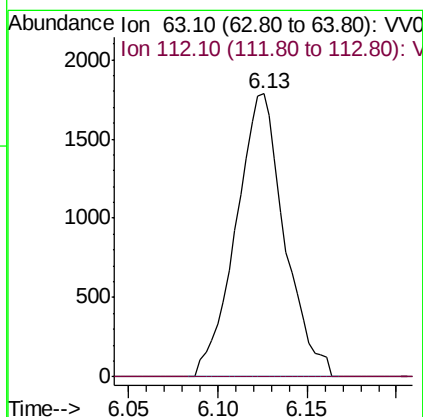
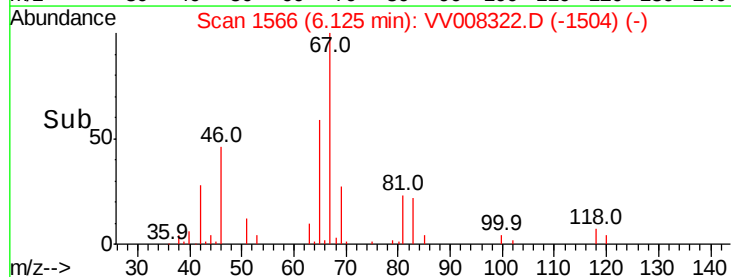
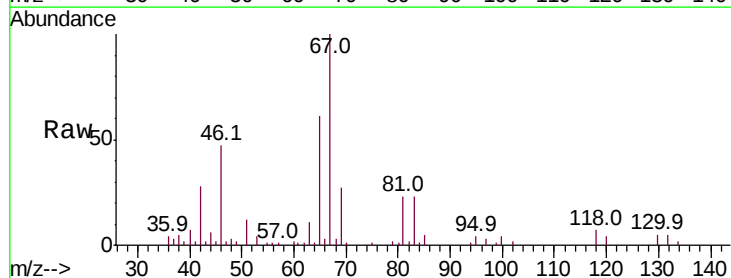
Instrument :
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ClientSampleId :
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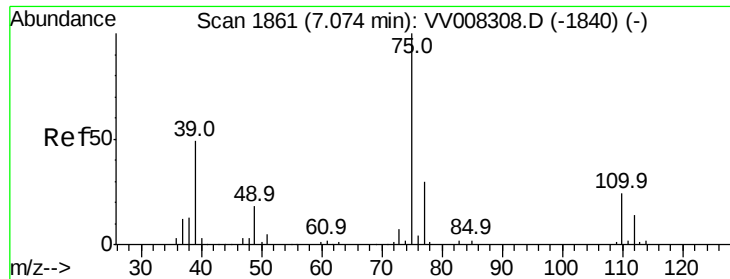
Tot Ion: 83 Resp: 7769
Ion Ratio Lower Upper
83 100
55 0.9 64.0 96.0#
98 0.0 37.0 55.4#



#37
1,2-Dichloropropane
Concen: 0.520 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.10 min
Lab File: VV008322.D
Acq: 17 Oct 2018 03:40

Tgt Ion: 63 Resp: 3395
Ion Ratio Lower Upper
63 100
112 0.0 2.6 3.8#

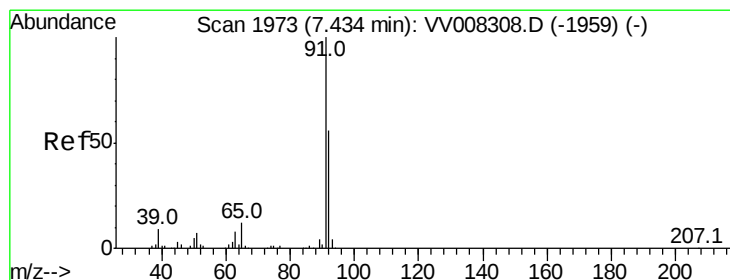
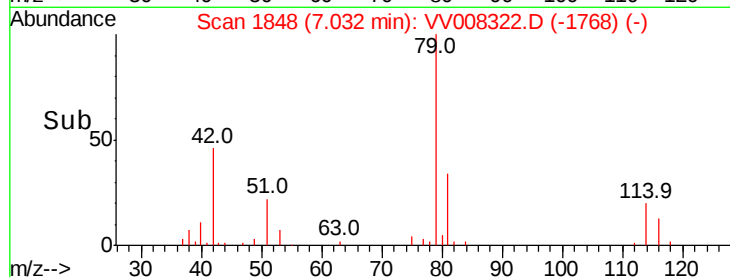
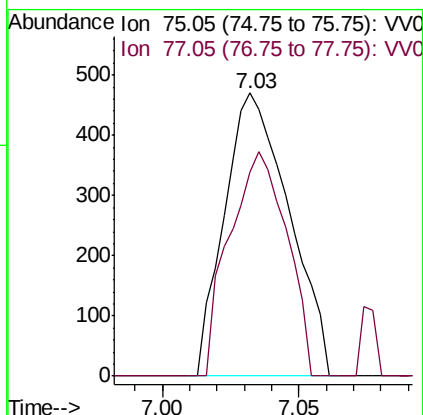
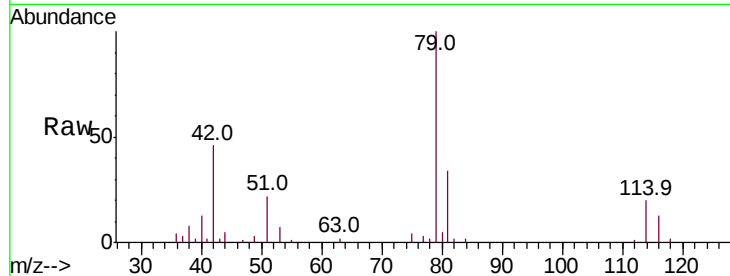




#39
 cis-1,3-Dichloropropene
 Concen: 0.083 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV008322.D
 Acq: 17 Oct 2018 03:40

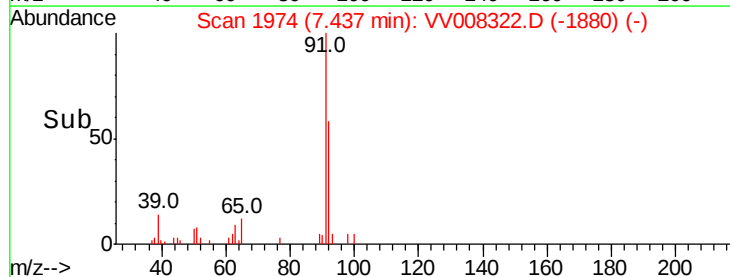
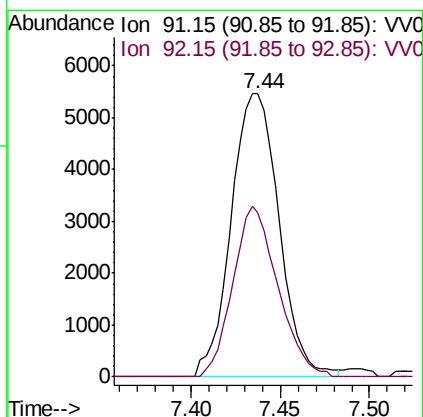
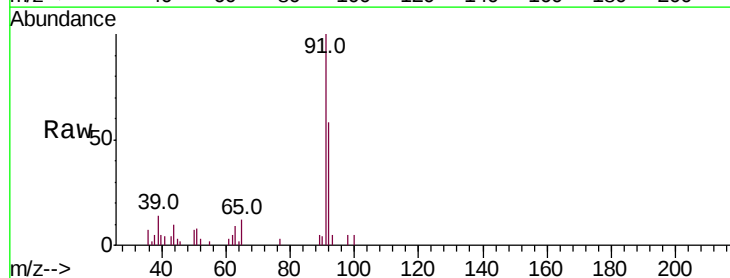
Instrument :
 MSVOA_V
 ClientSampleId :
 C0JC0

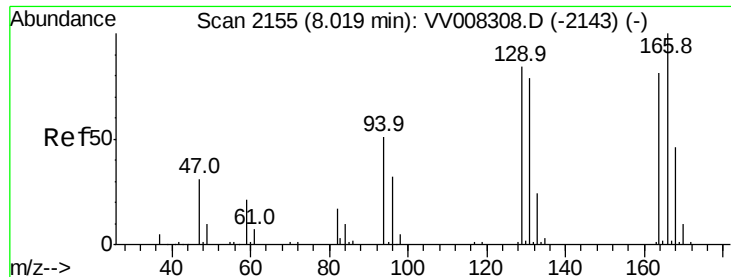
Tot Ion: 75 Resp: 774
 Ion Ratio Lower Upper
 75 100
 77 72.1 22.3 41.3#



#42
 Toluene
 Concen: 0.405 ug/L
 RT: 7.44 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: VV008322.D
 Acq: 17 Oct 2018 03:40

Tgt Ion: 91 Resp: 10219
 Ion Ratio Lower Upper
 91 100
 92 58.0 40.1 74.5

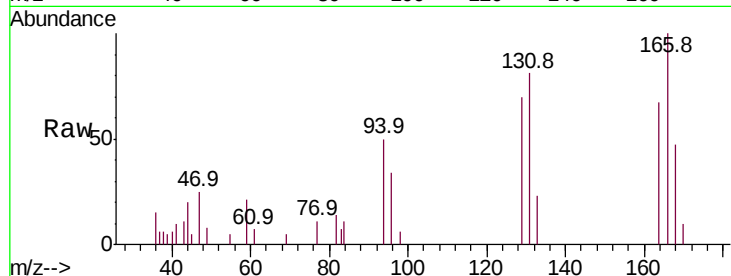




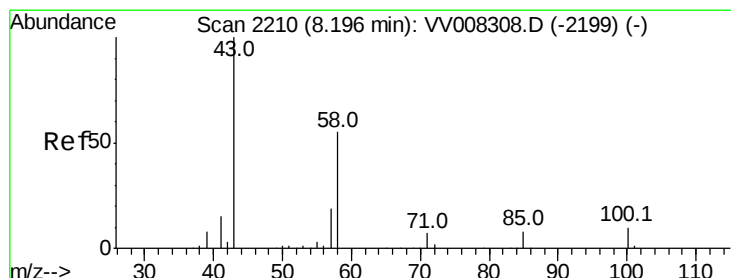
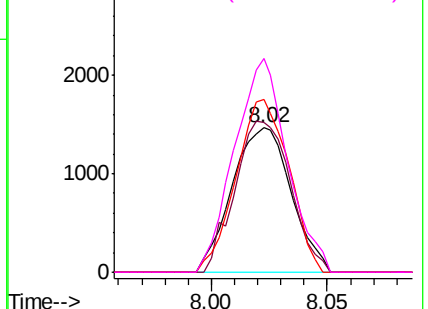
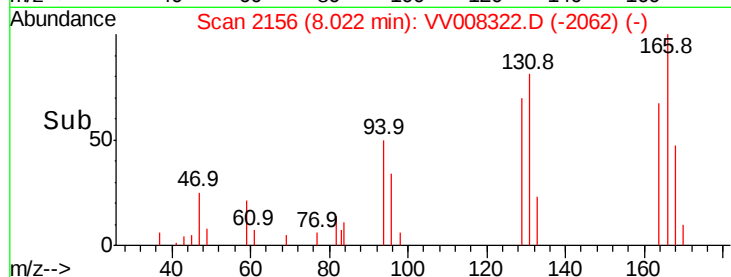
#47
Tetrachloroethene
Concen: 0.621 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VV008322.D
Acq: 17 Oct 2018 03:40

Instrument :
MSVOA_V
ClientSampleId :
C0JC0

Tot Ion:164 Resp: 2606
Ion Ratio Lower Upper
164 100
129 104.2 76.5 142.1
131 119.9 74.7 138.7
166 148.2 91.6 170.0

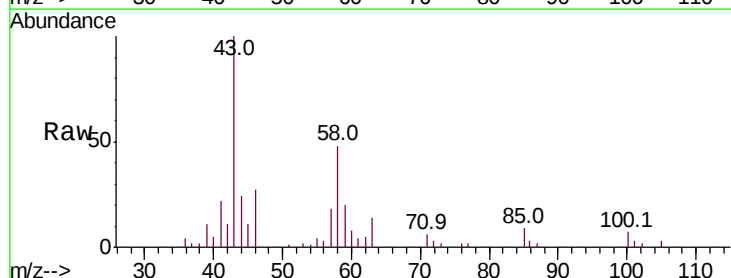


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

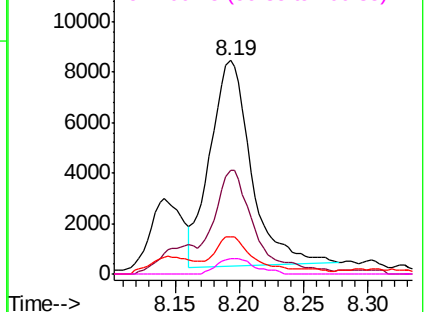
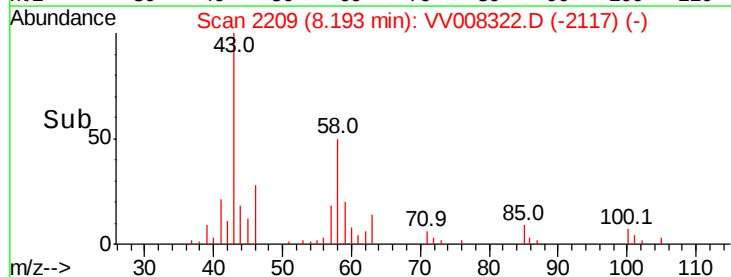


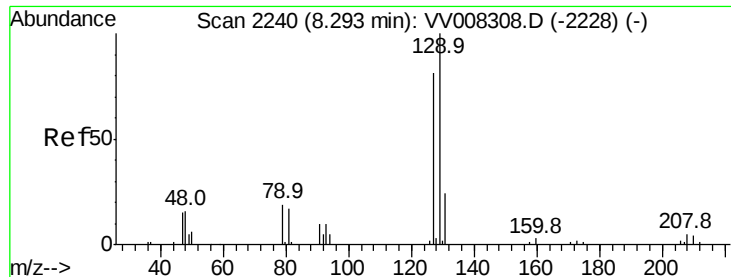
#48
2-Hexanone
Concen: 6.201 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV008322.D
Acq: 17 Oct 2018 03:40

Tgt Ion: 43 Resp: 18109
Ion Ratio Lower Upper
43 100
58 46.8 45.0 67.4
57 14.5 14.4 21.6
100 7.0 7.9 11.9#



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

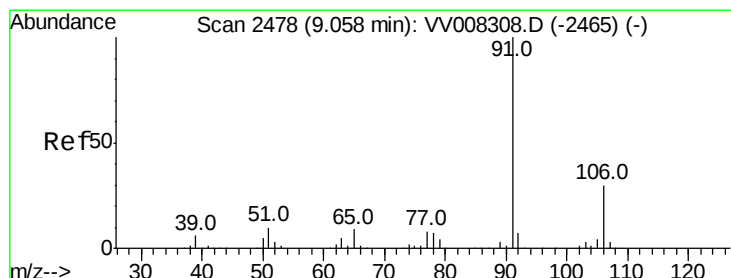
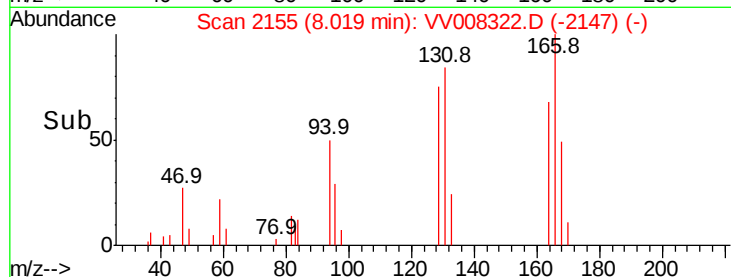
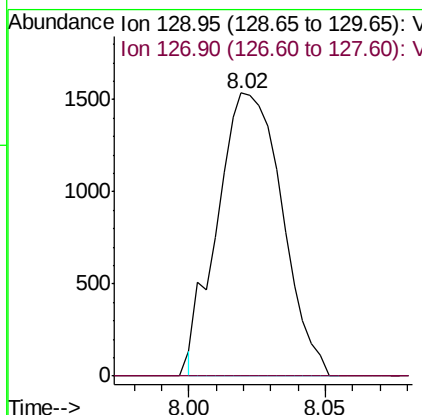
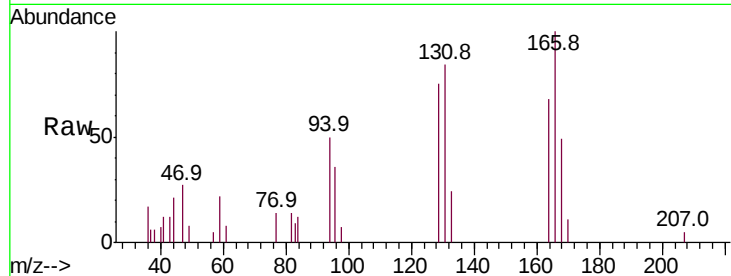




#49
Dibromochloromethane
Concen: 0.548 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.27 min
Lab File: VV008322.D
Acq: 17 Oct 2018 03:40

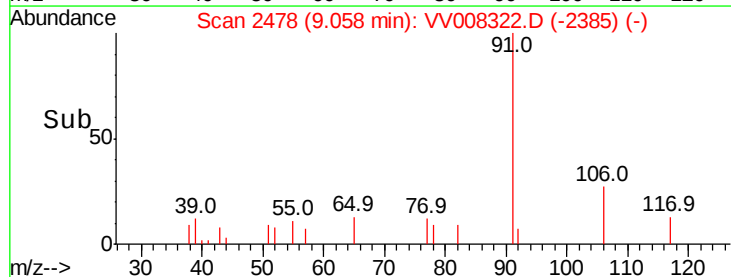
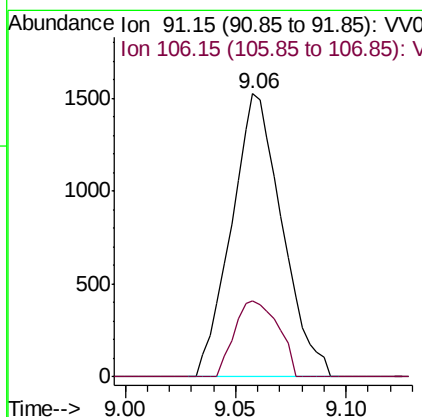
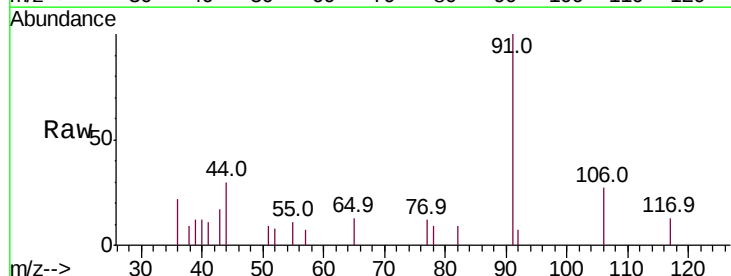
Instrument :
MSVOA_V
ClientSampleId :
C0JC0

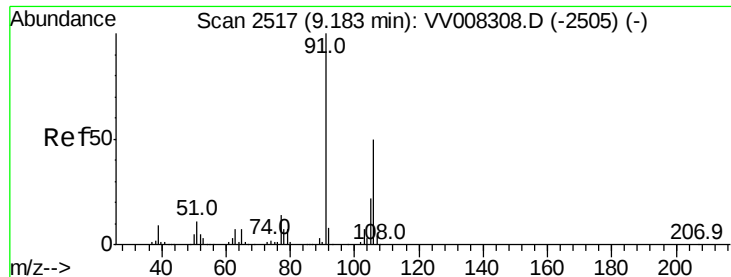
Tot Ion:129 Resp: 2528
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#



#52
Ethylbenzene
Concen: 0.088 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. -0.00 min
Lab File: VV008322.D
Acq: 17 Oct 2018 03:40

Tgt Ion: 91 Resp: 2425
Ion Ratio Lower Upper
91 100
106 26.9 21.6 40.2





#53

m,p-xylene

Concen: 0.261 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV008322.D

Acq: 17 Oct 2018 03:40

Instrument :

MSVOA_V

ClientSampleId :

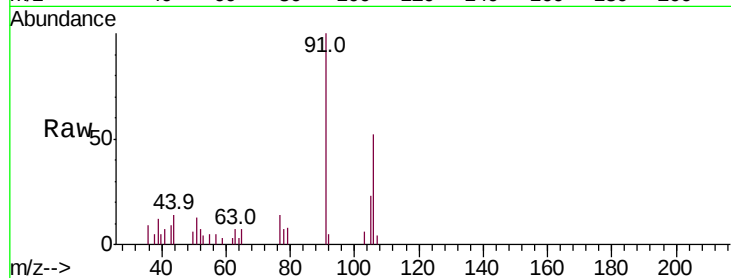
C0JC0

Tot Ion:106 Resp: 2612

Ion Ratio Lower Upper

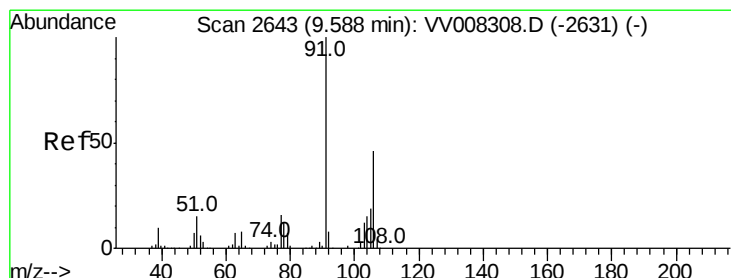
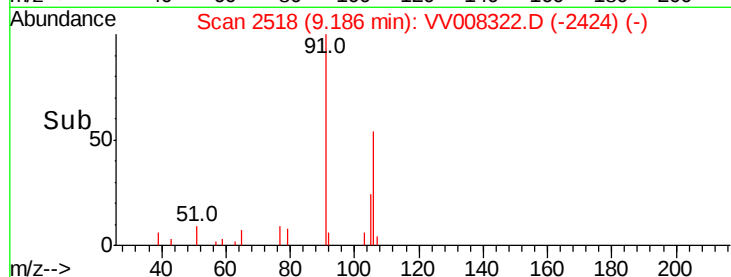
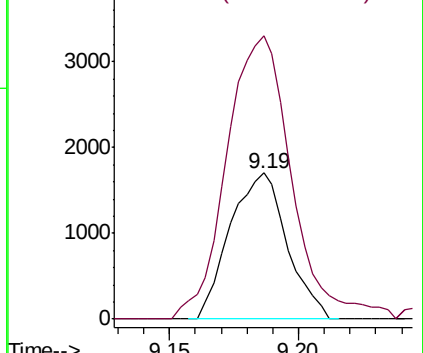
106 100

91 193.4 145.2 269.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.150 ug/L

RT: 9.59 min Scan# 2645

Delta R.T. 0.01 min

Lab File: VV008322.D

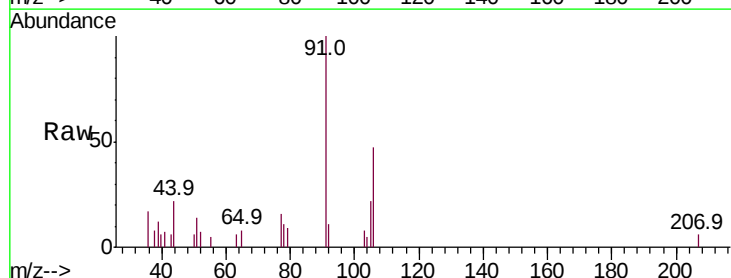
Acq: 17 Oct 2018 03:40

Tgt Ion:106 Resp: 1499

Ion Ratio Lower Upper

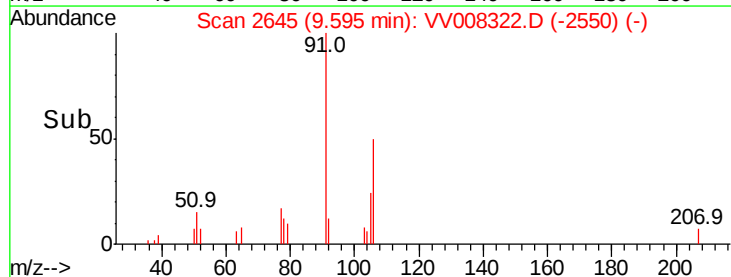
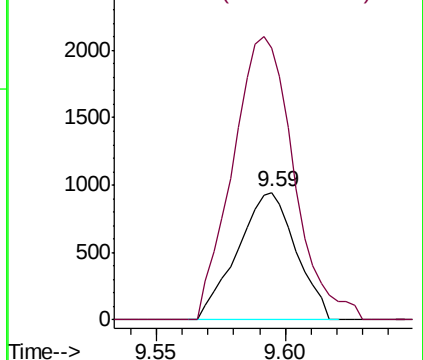
106 100

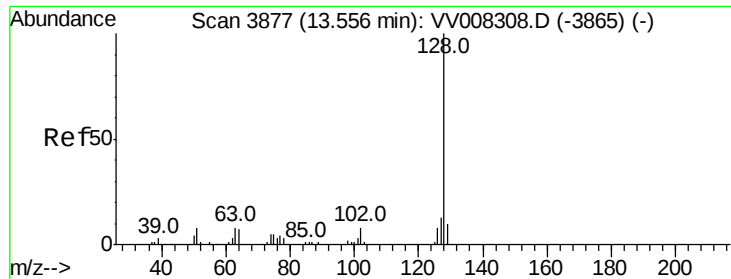
91 212.9 153.2 284.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#69

Naphthalene

Concen: 0.193 ug/L

RT: 13.56 min Scan# 3879

Delta R.T. 0.01 min

Lab File: VV008322.D

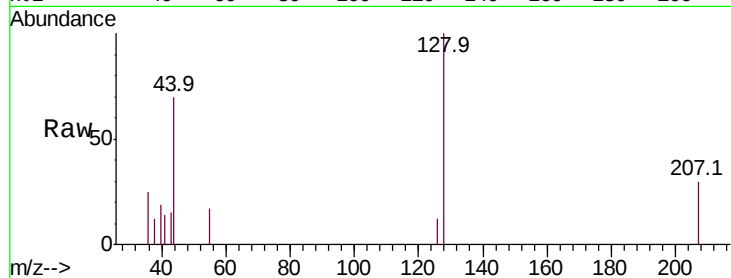
Acq: 17 Oct 2018 03:40

Instrument :

MSVOA_V

ClientSampleId :

C0JC0



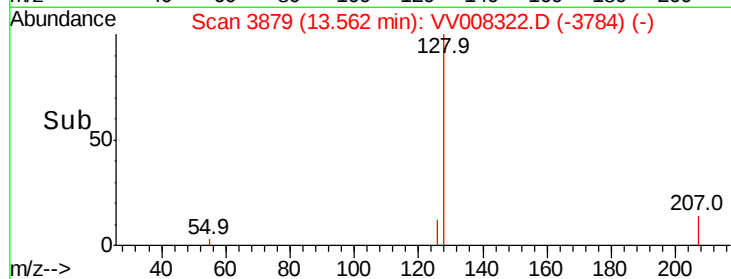
Tot Ion:128 Resp: 1597

Ion Ratio Lower Upper

128 100

129 0.0 8.6 12.8#

127 2.6 10.1 15.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

