

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101618\
 Data File : VV008316.D
 Acq On : 17 Oct 2018 00:49
 Operator : SY/MD
 Sample : J5463-03
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0JB4

Quant Time: Oct 17 05:06:03 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	71780	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	62852	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	24298	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	20120	4.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.20%
7) Chloroethane-d5	1.58	69	16132	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.13	63	30631	3.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.80%
20) 2-Butanone-d5	3.96	46	69401	51.01	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.02%
24) Chloroform-d	4.41	84	40998	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.09	65	21763	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.10	84	88816	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.12	67	29850	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.36	98	77177	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	7.67	79	10852	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.14	63	42404	47.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.98%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	18129	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	23155	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	863	0.153	ug/L #	75
5) Vinyl chloride	1.33	62	14095	2.639	ug/L	88
8) Chloroethane	1.66	64	300	0.108	ug/L #	42
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	333	0.090	ug/L #	27
13) Acetone	2.20	43	2651	3.601	ug/L	93
18) trans-1,2-Dichloroethene	2.79	96	4605	1.241	ug/L	91
22) cis-1,2-Dichloroethene	3.97	96	98774	16.490	ug/L #	98
25) Chloroform	4.43	83	1776	0.189	ug/L	90
33) Benzene	5.15	78	14916	0.704	ug/L	100
34) Trichloroethene	5.96	95	119034	20.280	ug/L	98
35) Methylcyclohexane	6.12	83	6443	0.651	ug/L #	19
37) 1,2-Dichloropropane	6.13	63	3149	0.551	ug/L #	90
39) cis-1,3-Dichloropropene	7.04	75	789	0.097	ug/L #	72
47) Tetrachloroethene	8.02	164	2187	0.595	ug/L	94
48) 2-Hexanone	8.19	43	13021	5.090	ug/L	93
49) Dibromochloromethane	8.02	129	2260	0.559	ug/L #	10

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QLast Update : Wed Oct 17 05:02:19 2018
Response via : Initial Calibration

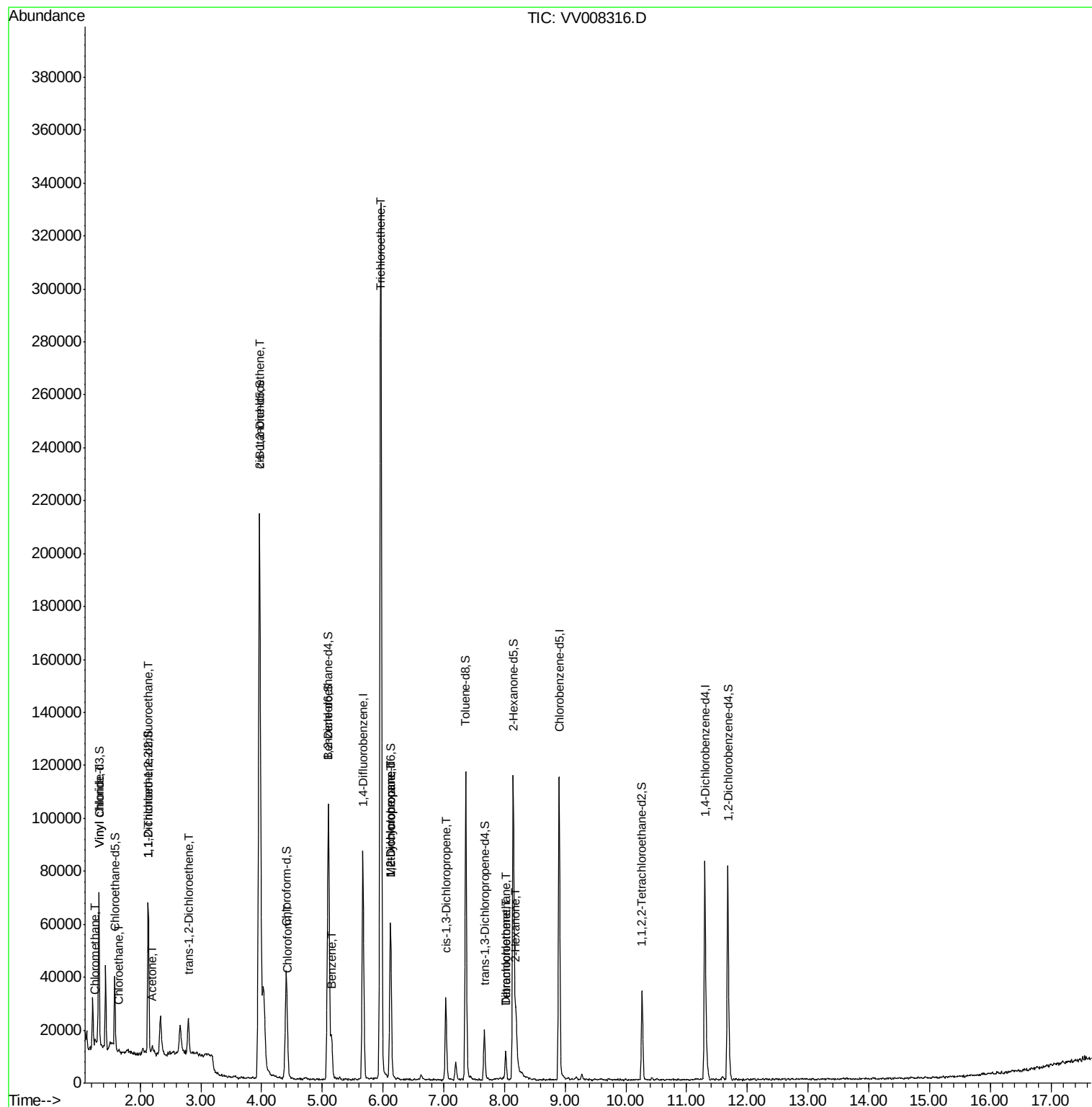
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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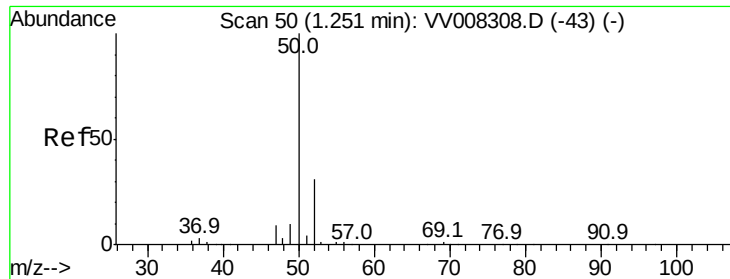
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.153 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008316.D

Acq: 17 Oct 2018 00:49

Instrument :

MSVOA_V

ClientSampleId :

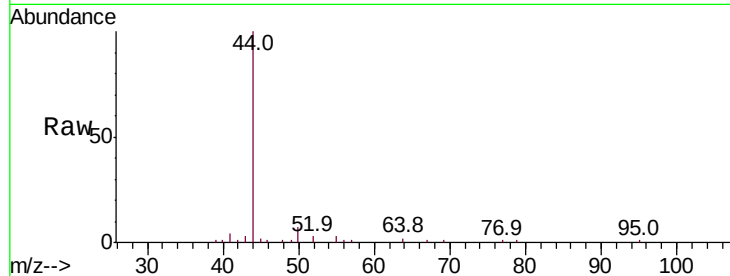
C0JB4

Tot Ion: 50 Resp: 863

Ion Ratio Lower Upper

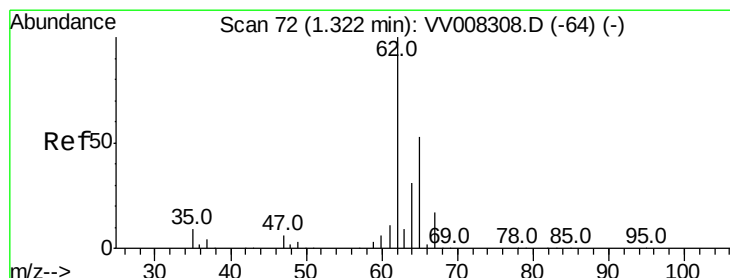
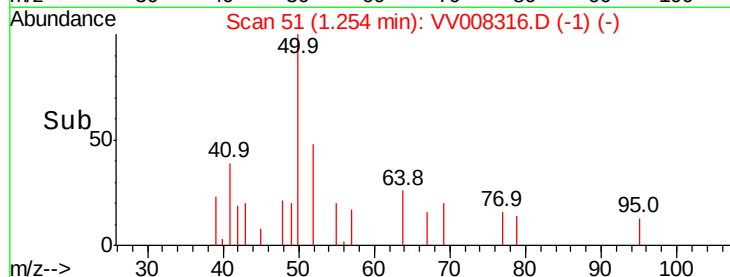
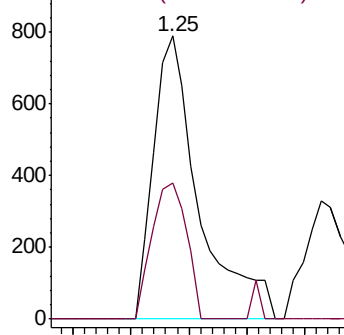
50 100

52 48.3 23.7 43.9#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 2.639 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008316.D

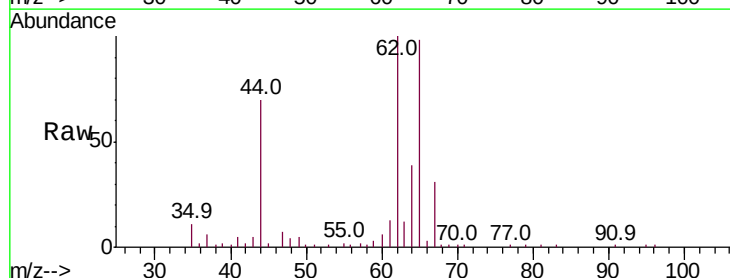
Acq: 17 Oct 2018 00:49

Tgt Ion: 62 Resp: 14095

Ion Ratio Lower Upper

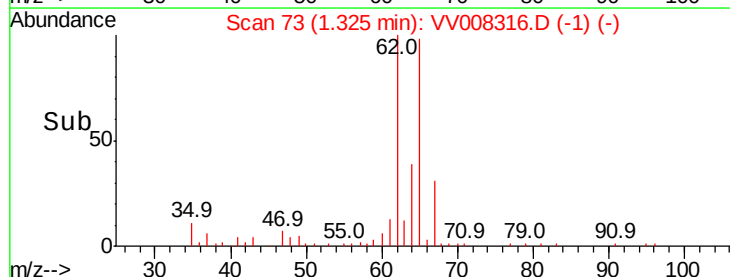
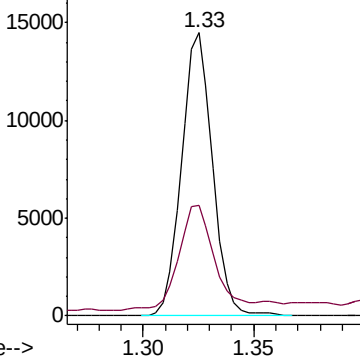
62 100

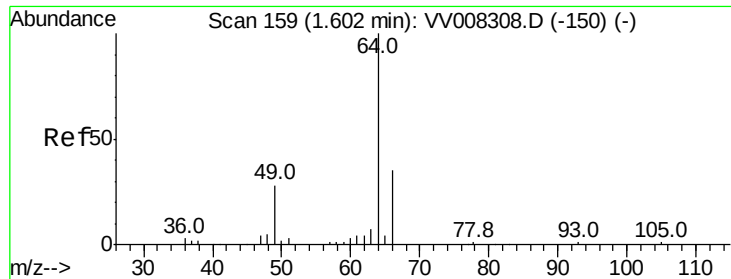
64 39.2 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#8

Chloroethane

Concen: 0.108 ug/L

RT: 1.66 min Scan# 176

Delta R.T. 0.05 min

Lab File: VV008316.D

Acq: 17 Oct 2018 00:49

Instrument :

MSVOA_V

ClientSampleId :

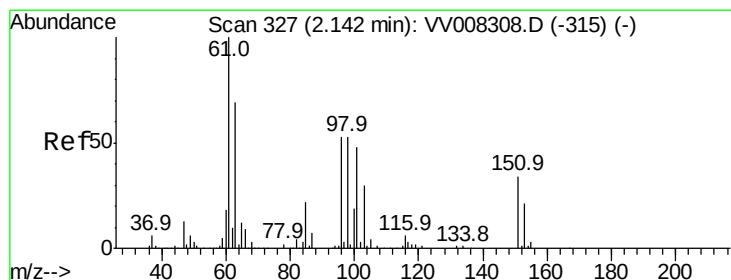
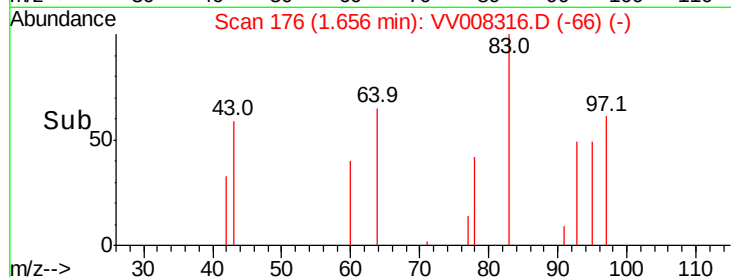
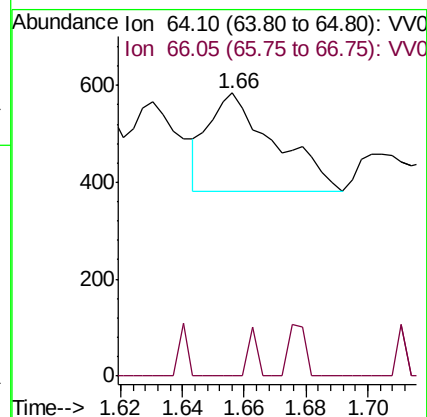
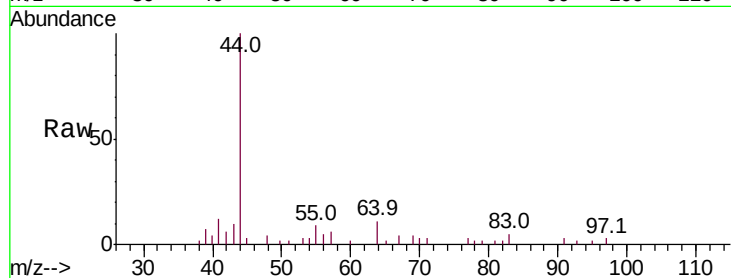
C0JB4

Tot Ion: 64 Resp: 300

Ion Ratio Lower Upper

64 100

66 0.0 22.5 41.9#



#10

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

Concen: 0.090 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV008316.D

Acq: 17 Oct 2018 00:49

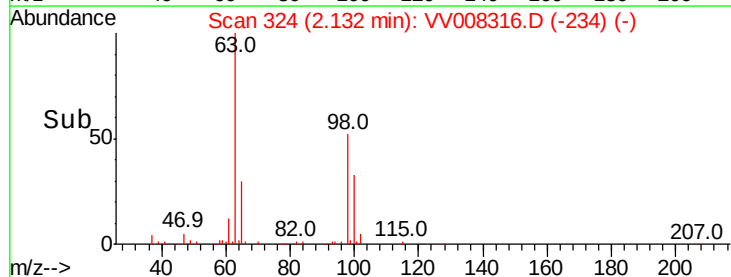
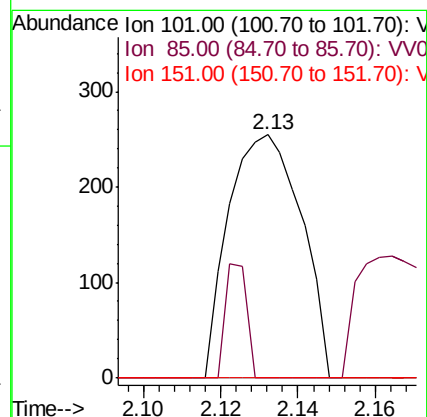
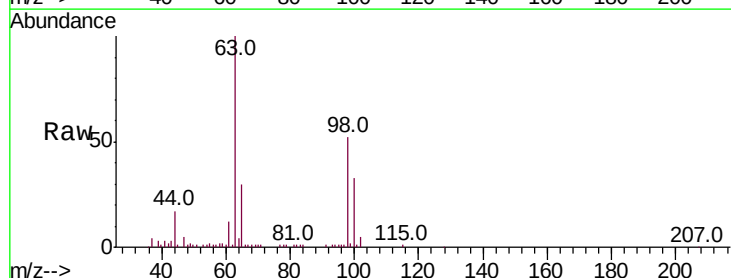
Tgt Ion: 101 Resp: 333

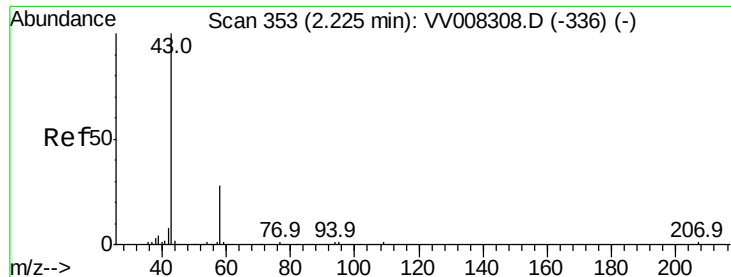
Ion Ratio Lower Upper

101 100

85 13.8 37.4 56.2#

151 0.0 59.0 88.6#





#13

Acetone

Concen: 3.601 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.02 min

Lab File: VV008316.D

Acq: 17 Oct 2018 00:49

Instrument :

MSVOA_V

ClientSampleId :

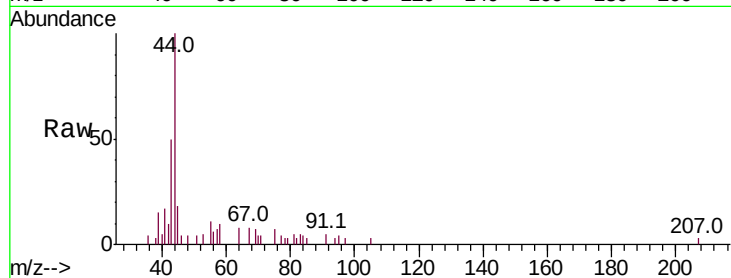
C0JB4

Tot Ion: 43 Resp: 2651

Ion Ratio Lower Upper

43 100

58 34.6 0.0 62.0

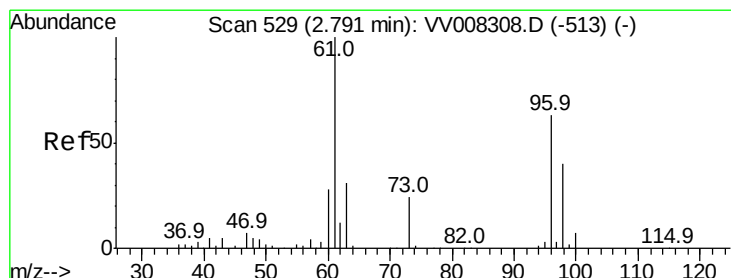
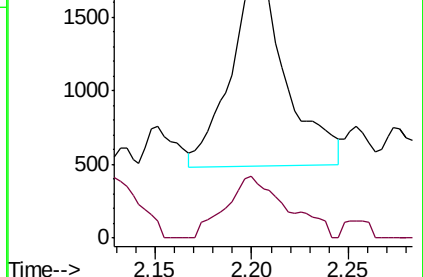
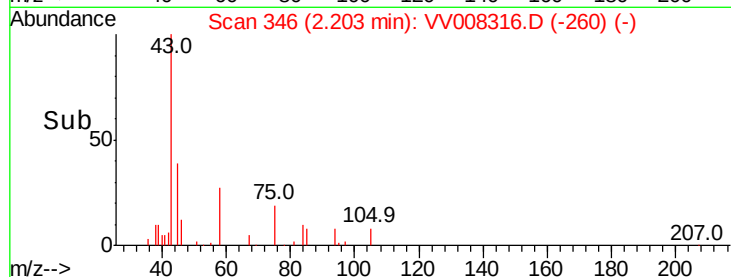


Abundance Ion 43.05 (42.75 to 43.75): VV008308.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV008308.D (-336) (-)

2.20

2.15 2.20 2.25



#18

trans-1,2-Dichloroethene

Concen: 1.241 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008316.D

Acq: 17 Oct 2018 00:49

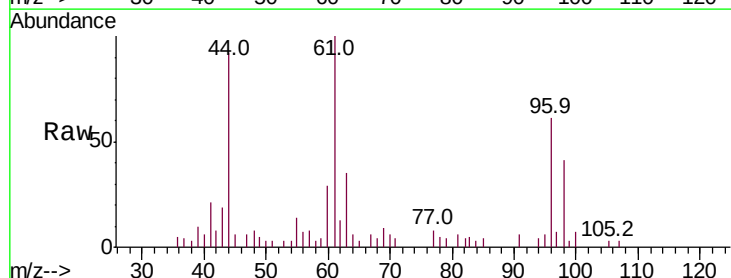
Tgt Ion: 96 Resp: 4605

Ion Ratio Lower Upper

96 100

61 163.5 104.6 194.2

98 66.5 44.1 81.9



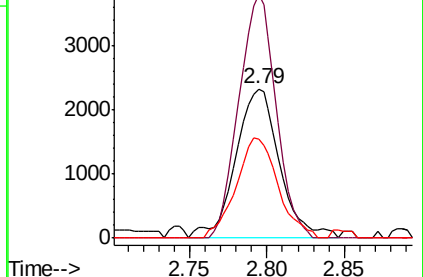
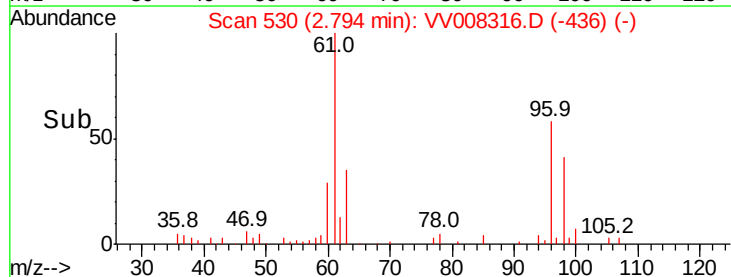
Abundance Ion 96.00 (95.70 to 96.70): VV008316.D (-436) (-)

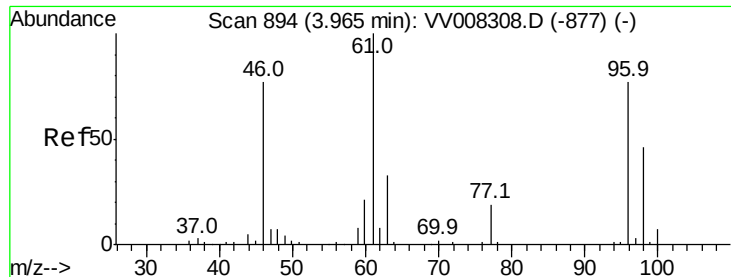
Ion 61.05 (60.75 to 61.75): VV008316.D (-436) (-)

Ion 97.95 (97.65 to 98.65): VV008316.D (-436) (-)

2.79

2.75 2.80 2.85



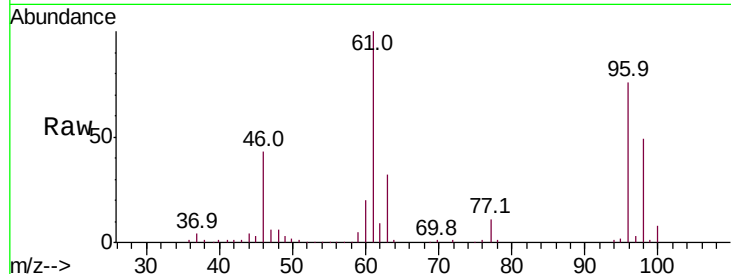


#22

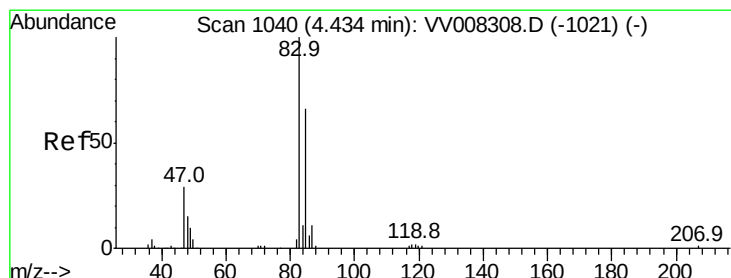
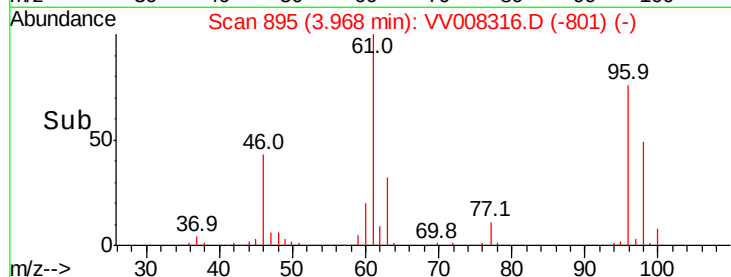
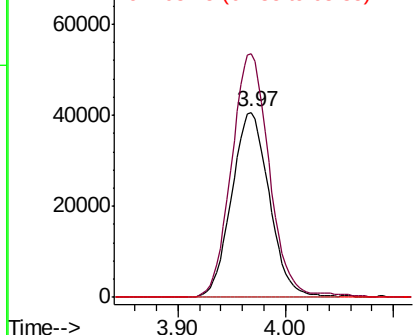
cis-1,2-Dichloroethene
Concen: 16.490 ug/L
RT: 3.97 min Scan# 895
Delta R.T. 0.00 min
Lab File: VV008316.D
Acq: 17 Oct 2018 00:49

Instrument :
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C0JB4

Tot Ion: 96 Resp: 98774
Ion Ratio Lower Upper
96 100
61 131.4 93.7 174.1
68 0.3 0.6 1.2#



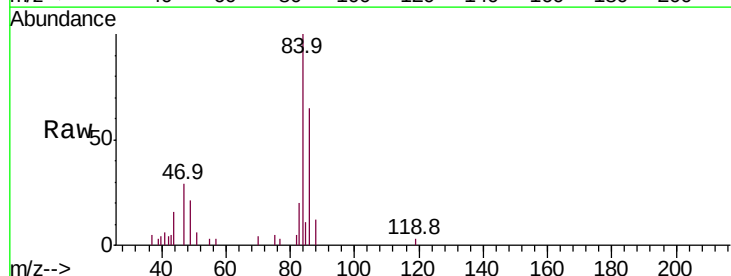
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



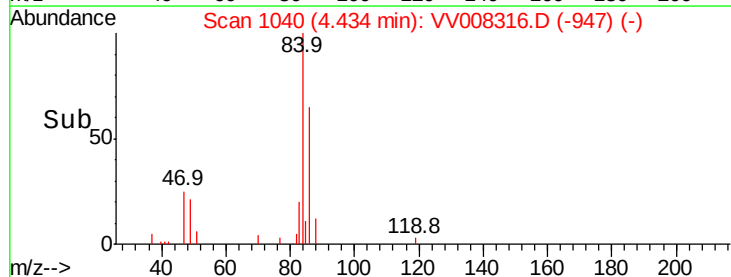
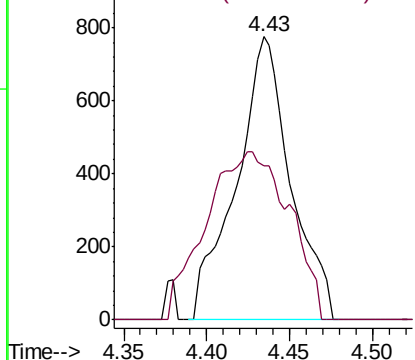
#25

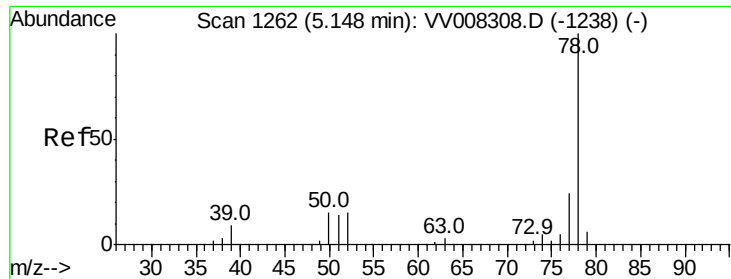
Chloroform
Concen: 0.189 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV008316.D
Acq: 17 Oct 2018 00:49

Tgt Ion: 83 Resp: 1776
Ion Ratio Lower Upper
83 100
85 54.5 43.4 80.6



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 0.704 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV008316.D

Acq: 17 Oct 2018 00:49

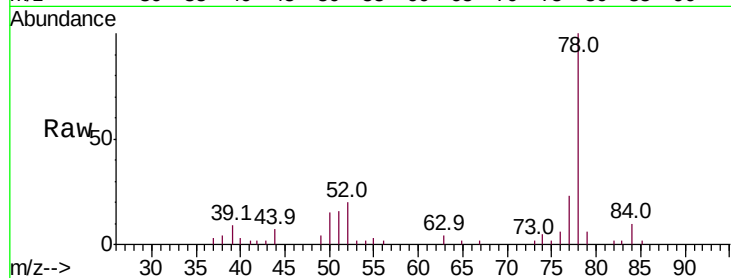
Instrument :

MSVOA_V

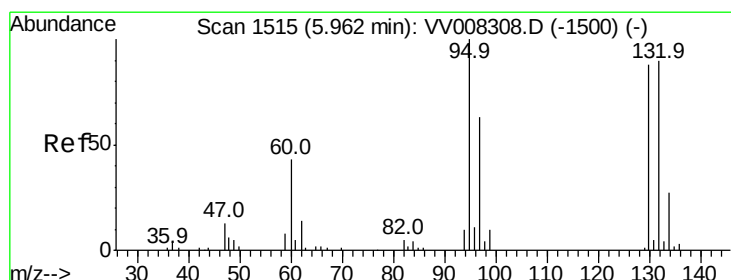
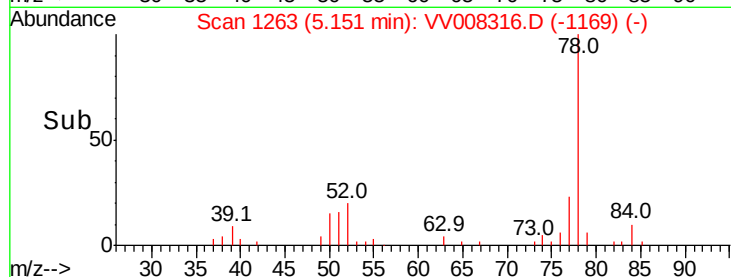
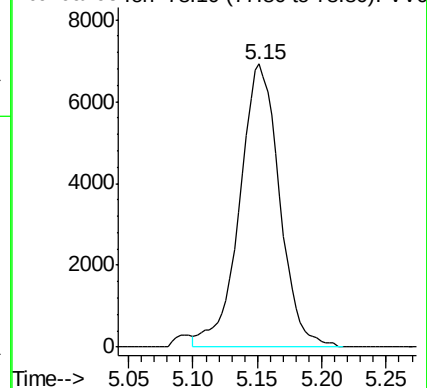
ClientSampleId :

C0JB4

Tgt Ion: 78 Resp: 14916



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 20.280 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008316.D

Acq: 17 Oct 2018 00:49

Tgt Ion: 95 Resp: 119034

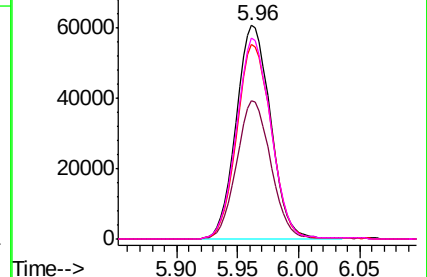
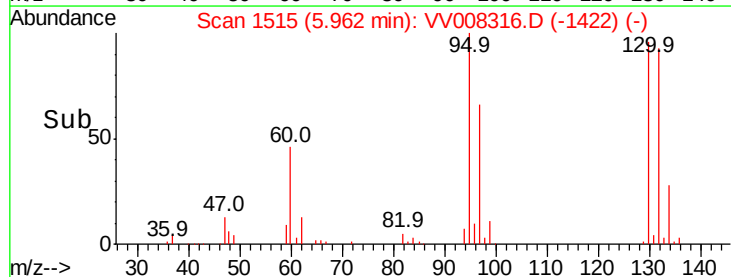
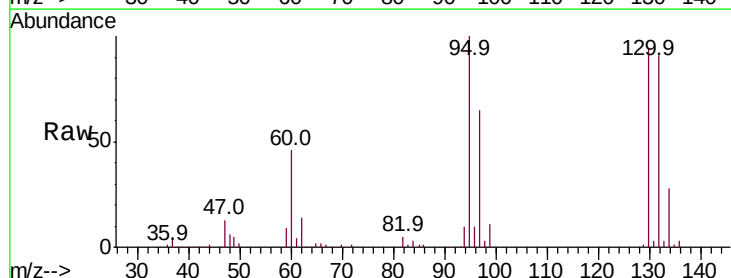
Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.4	82.4
132	91.0	60.4	112.2
130	93.9	65.5	121.7

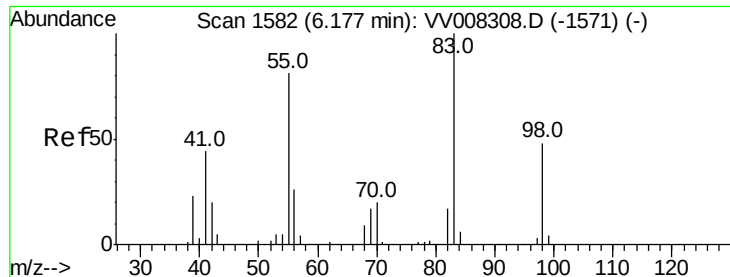
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#35

Methvlcvclohexane

Concen: 0.651 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV008316.D

Acq: 17 Oct 2018 00:49

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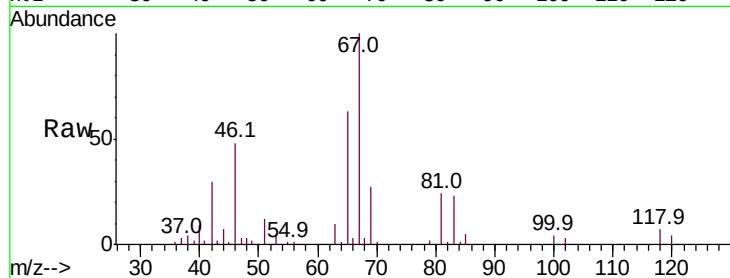
Tot Ion: 83 Resp: 6443

Ion Ratio Lower Upper

83 100

55 2.4 64.0 96.0#

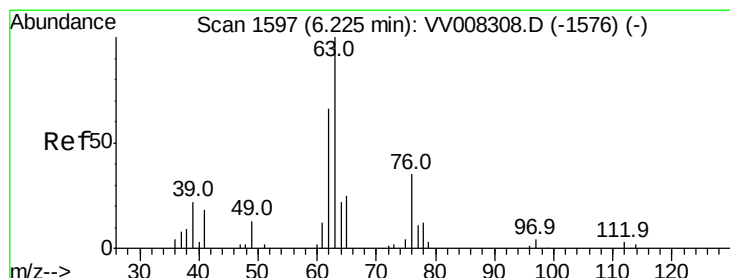
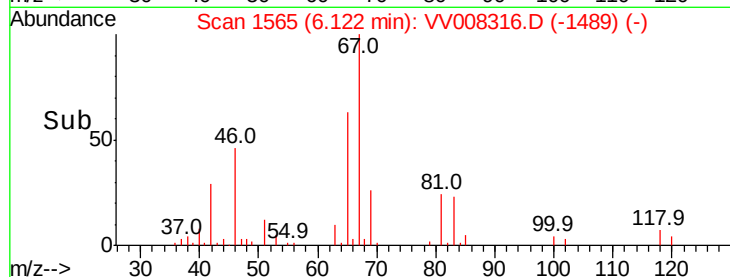
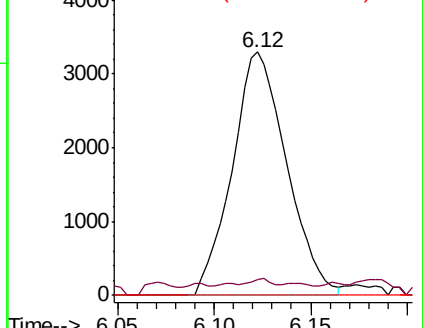
98 0.0 37.0 55.4#



Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0



#37

1,2-Dichloropropane

Concen: 0.551 ug/L

RT: 6.13 min Scan# 1567

Delta R.T. -0.10 min

Lab File: VV008316.D

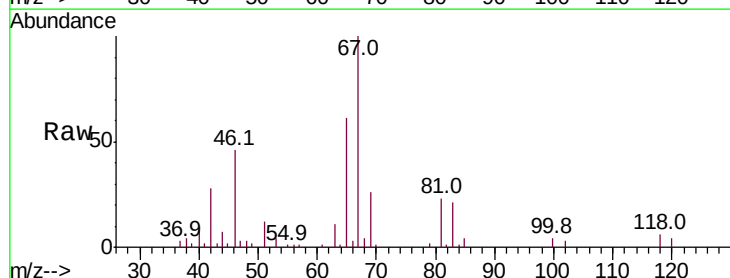
Acq: 17 Oct 2018 00:49

Tgt Ion: 63 Resp: 3149

Ion Ratio Lower Upper

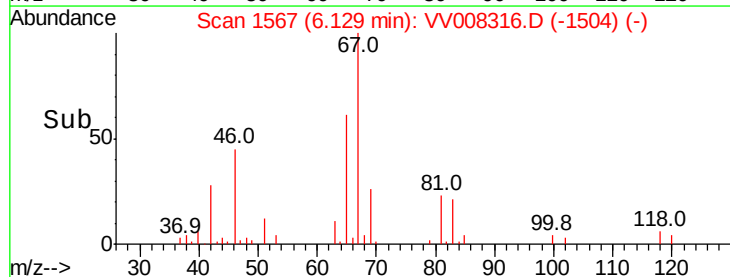
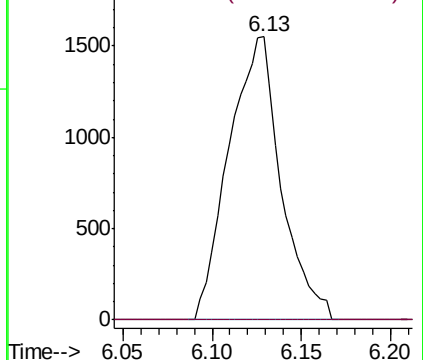
63 100

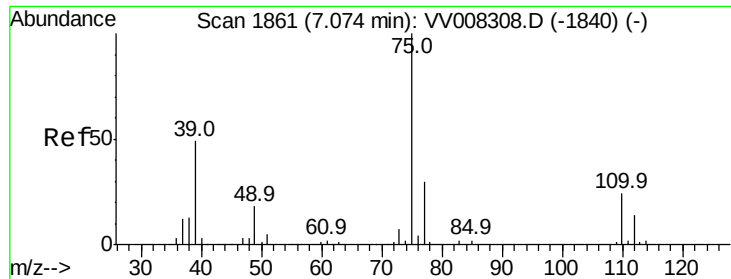
112 0.0 2.6 3.8#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V



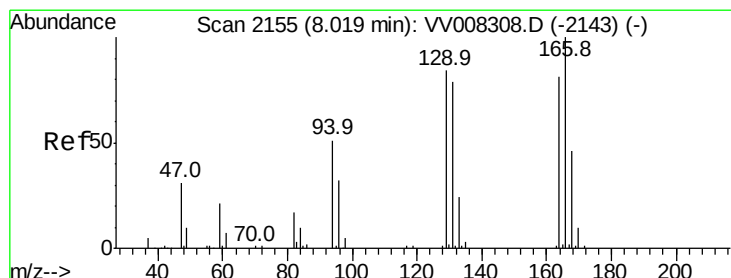
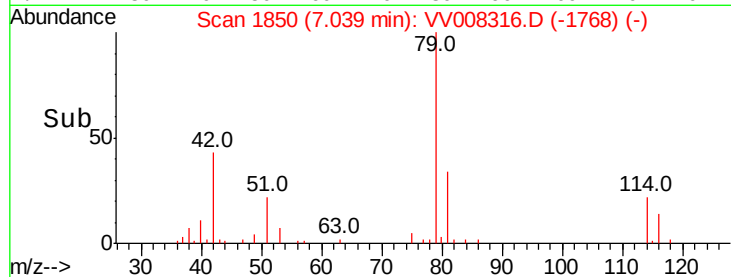
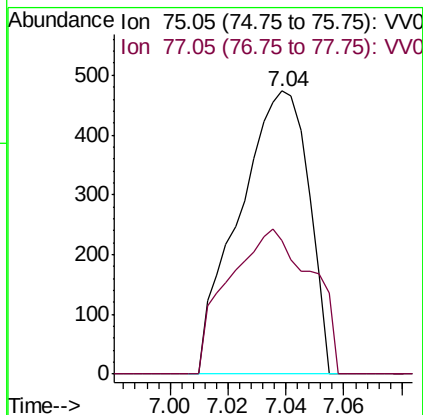
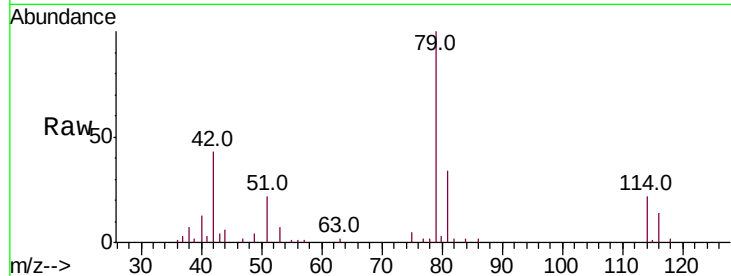


#39

cis-1,3-Dichloropropene
Concen: 0.097 ug/L
RT: 7.04 min Scan# 1850
Delta R.T. -0.04 min
Lab File: VV008316.D
Acq: 17 Oct 2018 00:49

Instrument :
MSVOA_V
ClientSampled :
C0JB4

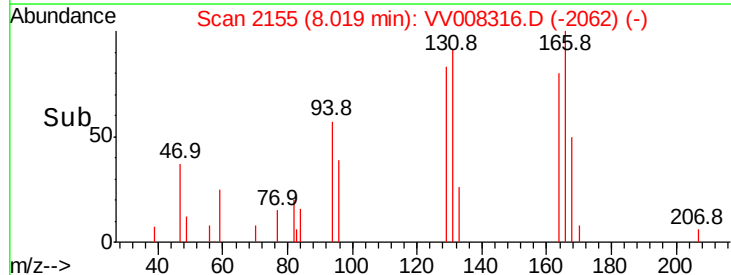
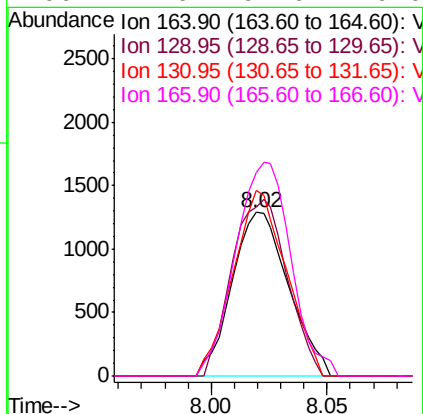
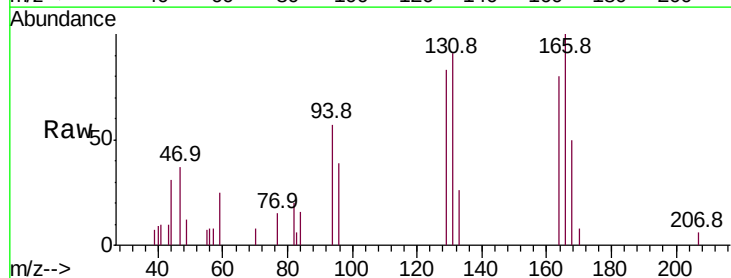
Tot Ion: 75 Resp: 789
Ion Ratio Lower Upper
75 100
77 47.1 22.3 41.3#

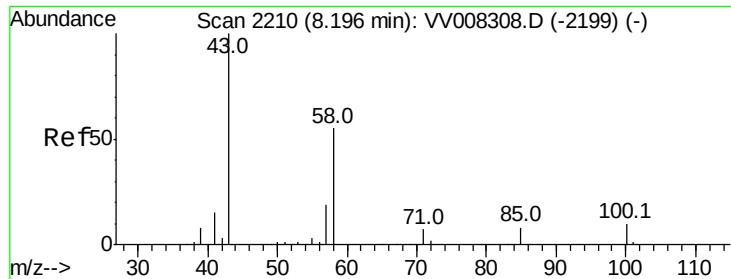


#47

Tetrachloroethene
Concen: 0.595 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV008316.D
Acq: 17 Oct 2018 00:49

Tgt Ion:164 Resp: 2187
Ion Ratio Lower Upper
164 100
129 103.6 76.5 142.1
131 113.4 74.7 138.7
166 124.6 91.6 170.0

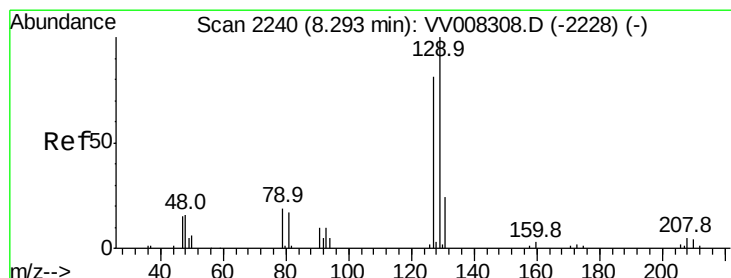
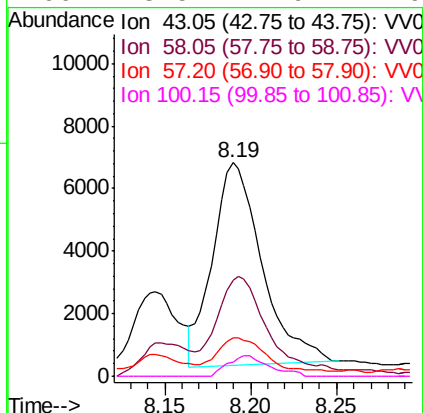
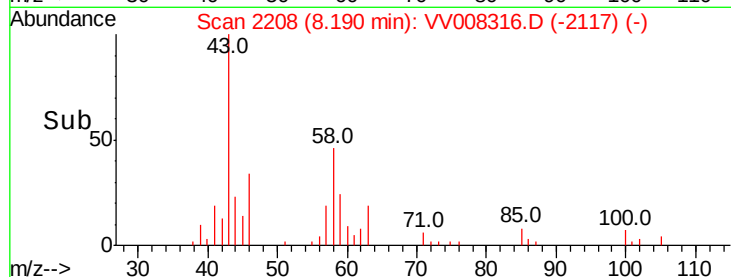
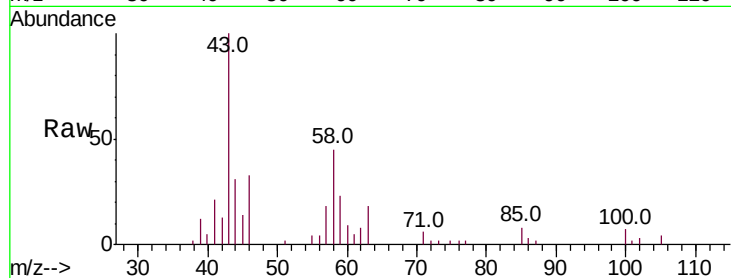




#48
2-Hexanone
Concen: 5.090 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VV008316.D
Acq: 17 Oct 2018 00:49

Instrument :
MSVOA_V
ClientSampleId :
C0JB4

Tot Ion:	43	Resp:	13021
Ion	Ratio	Lower	Upper
43	100		
58	50.3	45.0	67.4
57	16.4	14.4	21.6
100	8.5	7.9	11.9



#49
Dibromochloromethane
Concen: 0.559 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. -0.27 min
Lab File: VV008316.D
Acq: 17 Oct 2018 00:49

Tgt Ion:	129	Resp:	2260
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.7#

