

Data File : VV009425.D
Acq On : 28 Feb 2019 16:05
Operator : SY/MD
Sample : K1599-04
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CWJW8

Quant Time: Mar 01 03:54:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 03:49:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	99072	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	95983	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	45767	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24679	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.59	69	22632	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.13	63	47349	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	3.96	46	53221	54.24	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.48%
24) Chloroform-d	4.40	84	52429	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.09	65	26621	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	5.10	84	108819	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
36) 1,2-Dichloropropane-d6	6.12	67	32261	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.36	98	109285	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
43) trans-1,3-Dichloropropene-	7.67	79	13628	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	8.14	63	48973	54.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.92%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	24694	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	38627	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	619	0.096 ug/L #	41
5) Vinyl chloride	1.32	62	518	0.073 ug/L #	1
8) Chloroethane	1.61	64	504	0.107 ug/L #	54
13) Acetone	2.20	43	4679	5.019 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	1887	0.268 ug/L #	71
22) cis-1,2-Dichloroethene	3.96	96	131021	19.955 ug/L	98
25) Chloroform	4.42	83	4623	0.404 ug/L	91
34) Trichloroethene	5.96	95	44076	6.256 ug/L	94
37) 1,2-Dichloropropane	6.12	63	3567	0.584 ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	1190	0.124 ug/L #	83
42) Toluene	7.43	91	26197	0.922 ug/L	98
45) 1,1,2-Trichloroethane	8.01	97	497	0.113 ug/L #	23
47) Tetrachloroethene	8.02	164	51529	9.316 ug/L	94
48) 2-Hexanone	8.14	43	5991	2.733 ug/L #	78
49) Dibromochloromethane	8.02	129	48032	8.446 ug/L #	9
51) Chlorobenzene	8.93	112	2405	0.130 ug/L #	89
63) 1,4-Dichlorobenzene	11.32	146	1499	0.106 ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV022819\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 03:49:54 2019
Response via : Initial Calibration

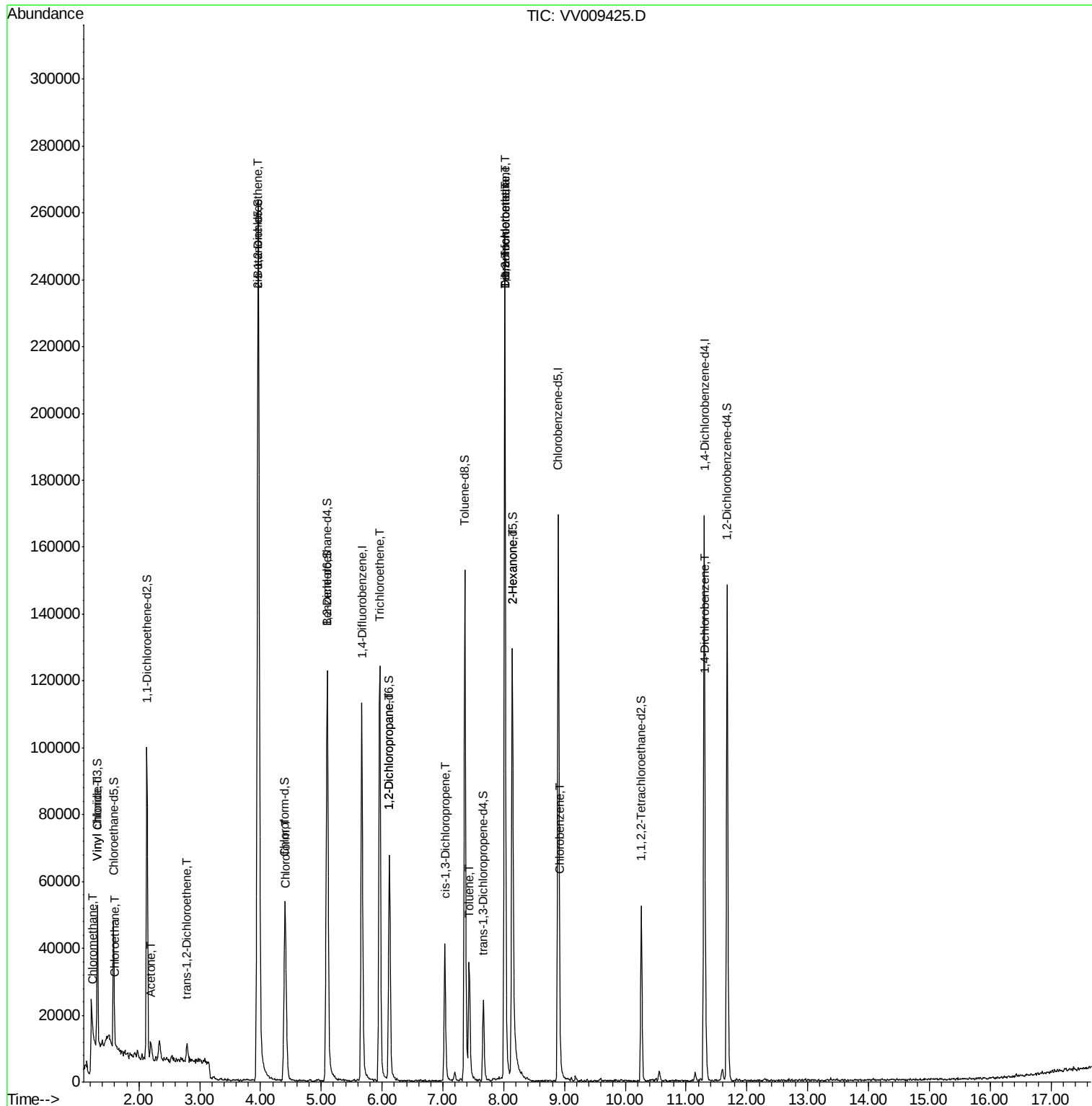
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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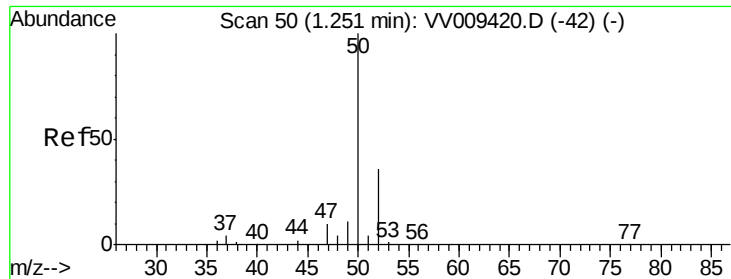
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.096 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009425.D

Acq: 28 Feb 2019 16:05

Instrument :

MSVOA_V

ClientSampleId :

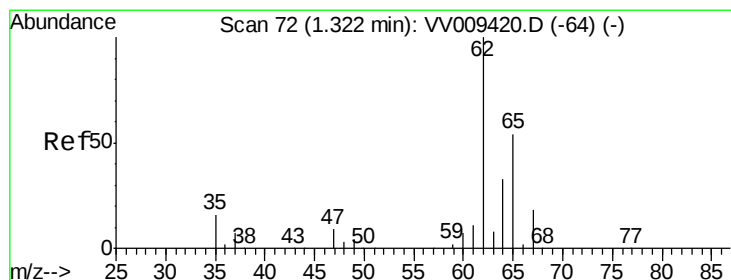
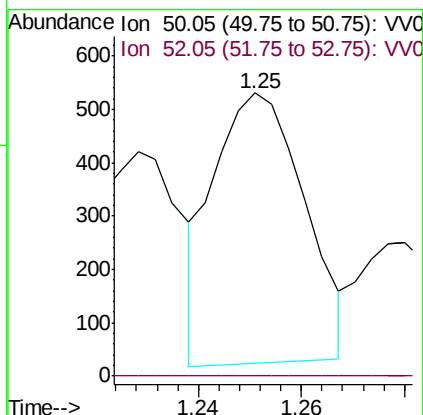
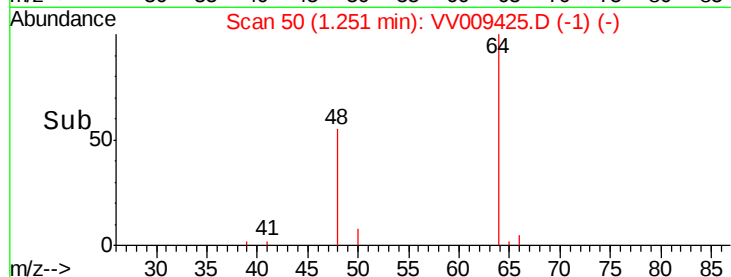
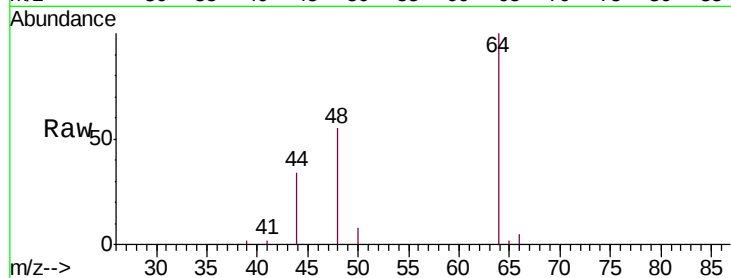
CWJW8

Tgt Ion: 50 Resp: 619

Ion Ratio Lower Upper

50 100

52 0.0 23.5 43.7#



#5

Vinyl chloride

Concen: 0.073 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009425.D

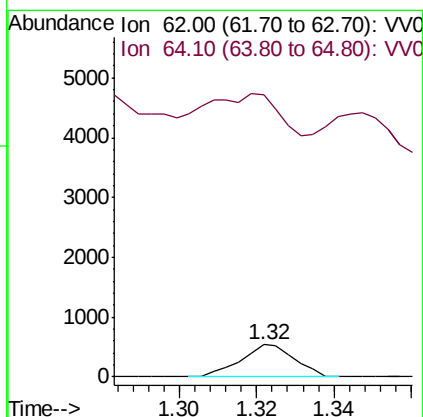
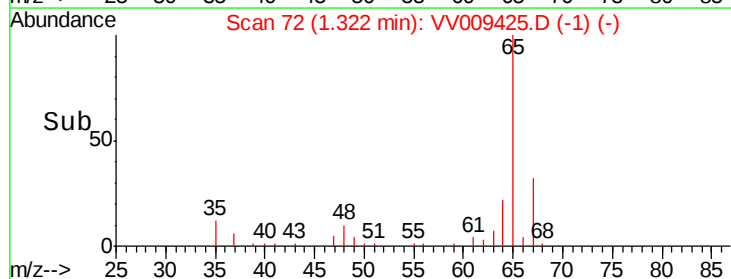
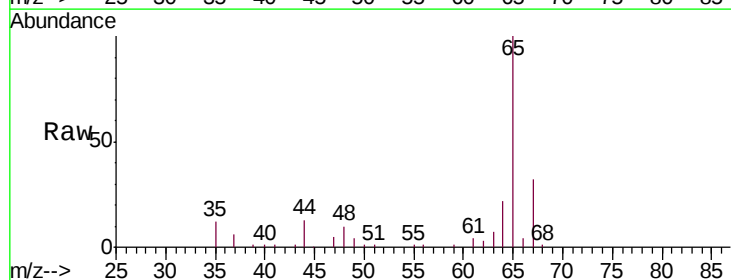
Acq: 28 Feb 2019 16:05

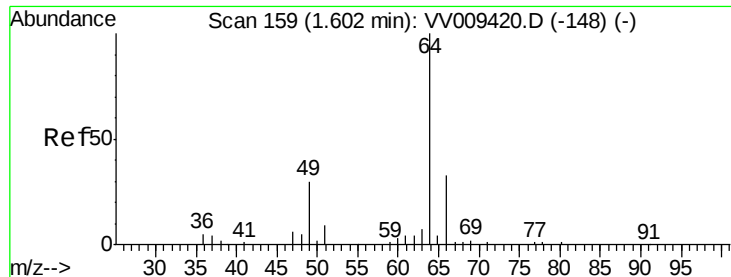
Tgt Ion: 62 Resp: 518

Ion Ratio Lower Upper

62 100

64 877.3 21.6 40.0#





#8

Chloroethane

Concen: 0.107 ug/L

RT: 1.61 min Scan# 161

Delta R.T. 0.01 min

Lab File: VV009425.D

Acq: 28 Feb 2019 16:05

Instrument :

MSVOA_V

ClientSampleId :

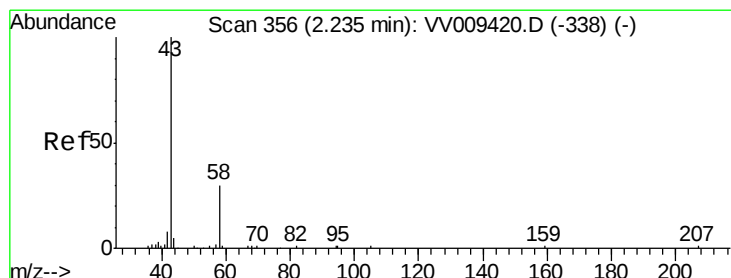
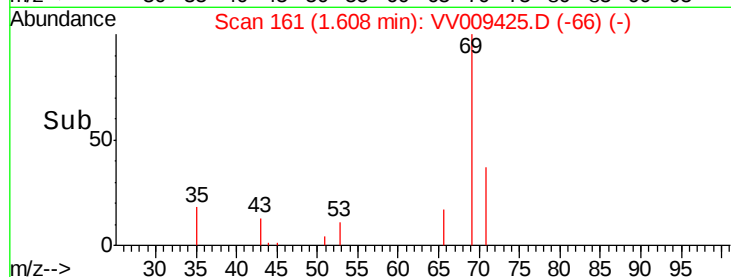
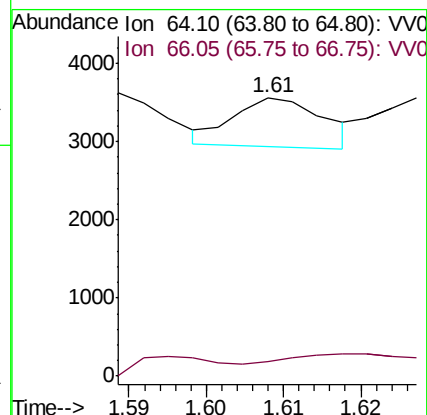
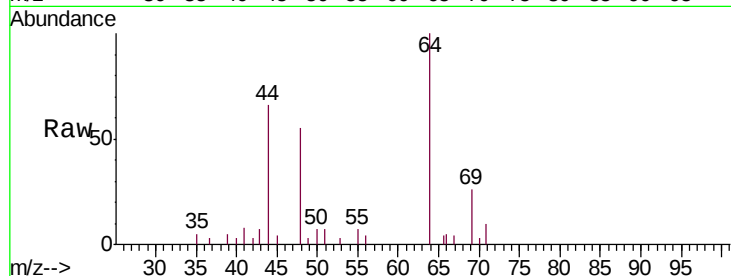
CWJW8

Tgt Ion: 64 Resp: 504

Ion Ratio Lower Upper

64 100

66 5.1 21.3 39.5#



#13

Acetone

Concen: 5.019 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.03 min

Lab File: VV009425.D

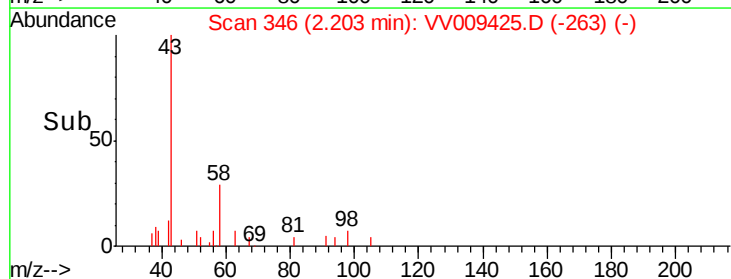
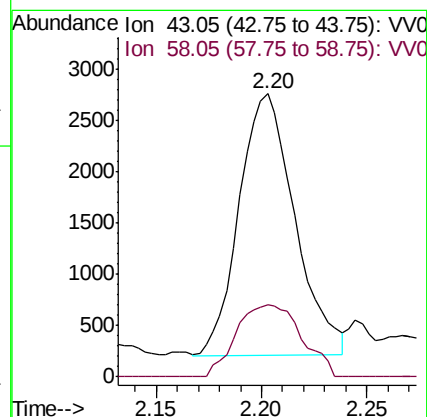
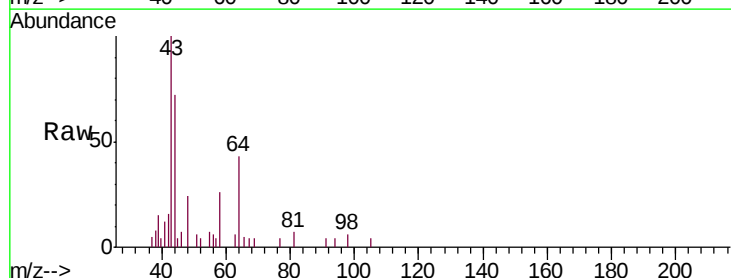
Acq: 28 Feb 2019 16:05

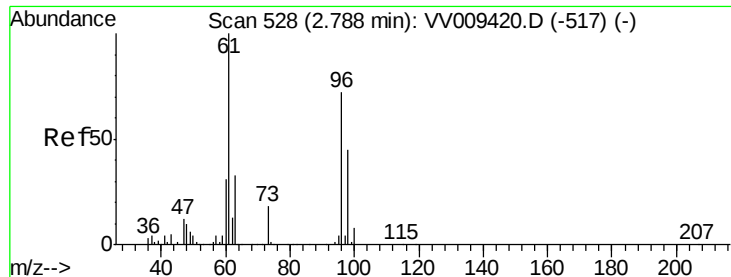
Tgt Ion: 43 Resp: 4679

Ion Ratio Lower Upper

43 100

58 32.4 0.0 62.0





#18

trans-1,2-Dichloroethene

Concen: 0.268 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.01 min

Lab File: VV009425.D

Acq: 28 Feb 2019 16:05

Instrument :

MSVOA_V

ClientSampleId :

CWJW8

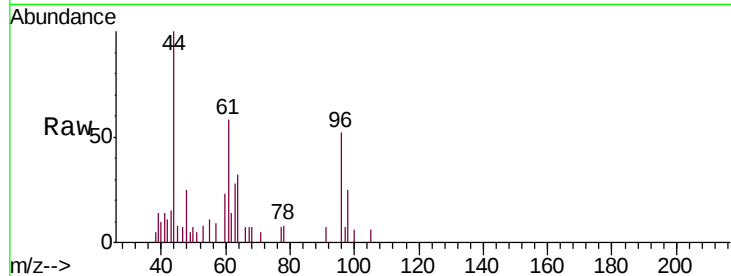
Tgt Ion: 96 Resp: 1887

Ion Ratio Lower Upper

96 100

61 111.4 106.0 196.8

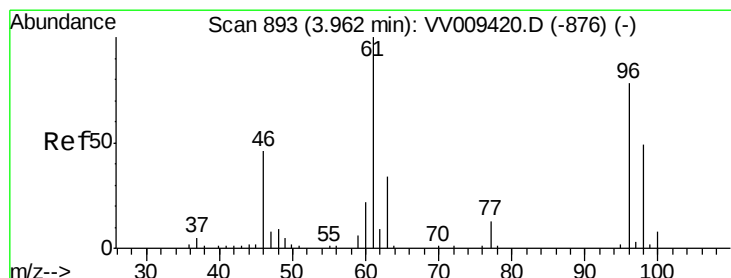
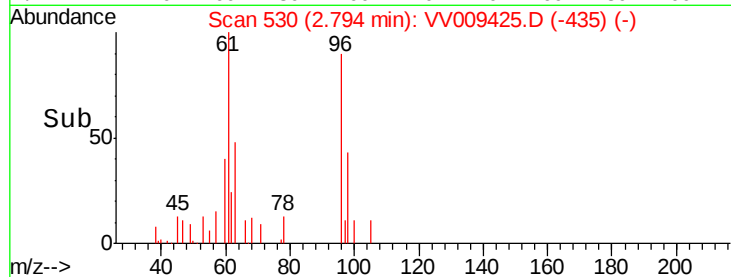
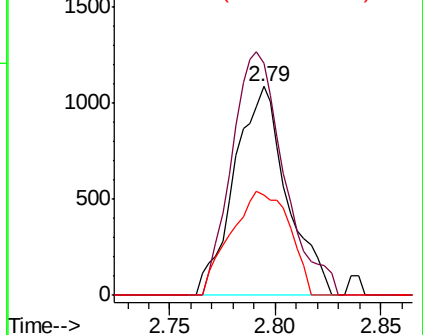
98 48.2 48.2 89.4#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#22

cis-1,2-Dichloroethene

Concen: 19.955 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VV009425.D

Acq: 28 Feb 2019 16:05

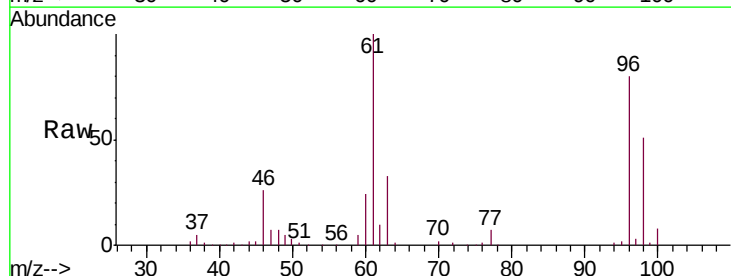
Tgt Ion: 96 Resp: 131021

Ion Ratio Lower Upper

96 100

61 124.8 86.0 159.8

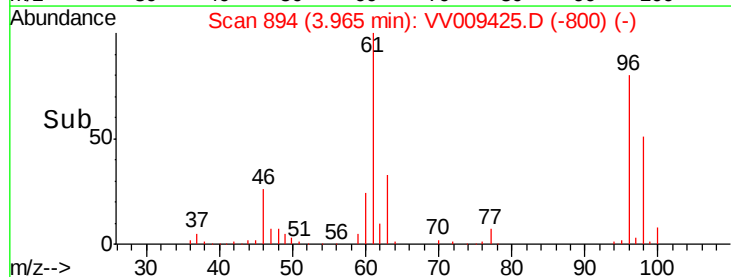
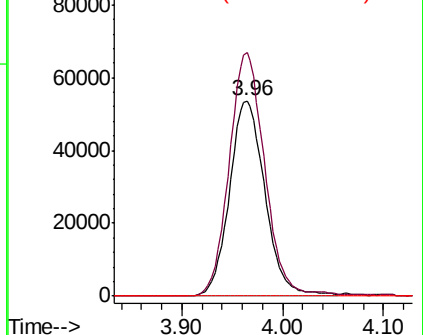
68 0.0 0.0 0.0

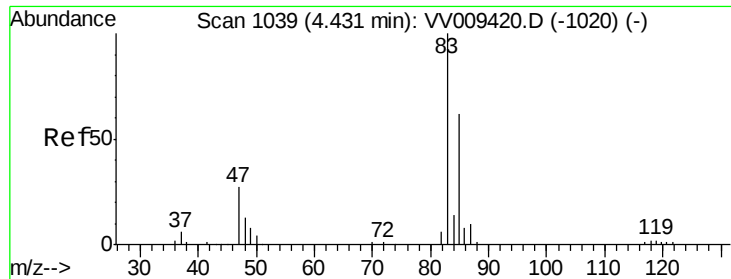


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

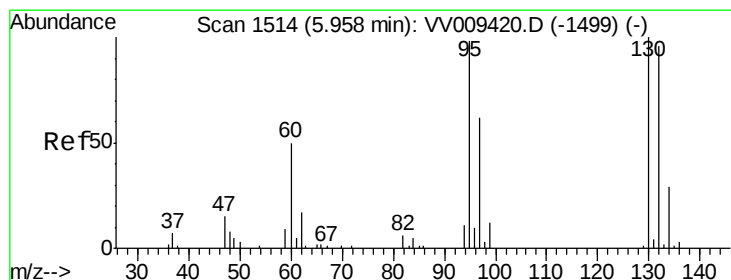
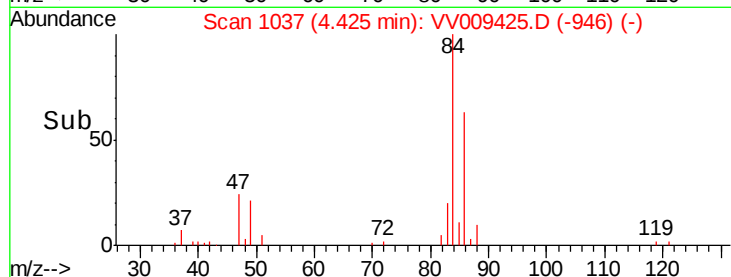
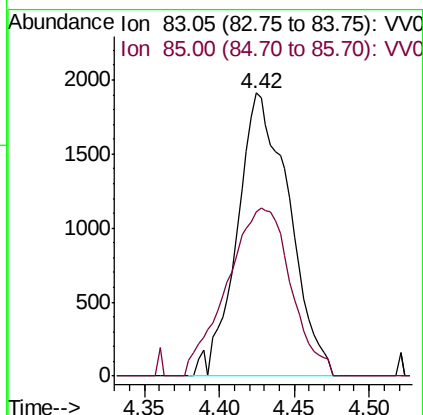
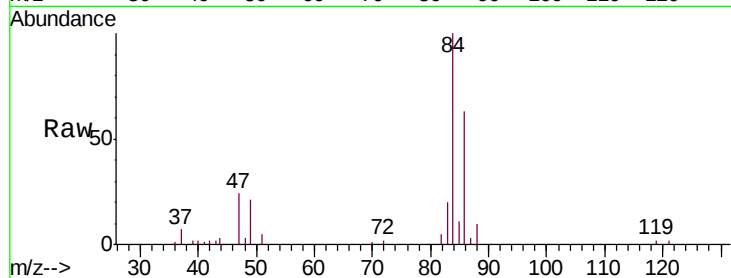




#25
Chloroform
Concen: 0.404 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.01 min
Lab File: VV009425.D
Acq: 28 Feb 2019 16:05

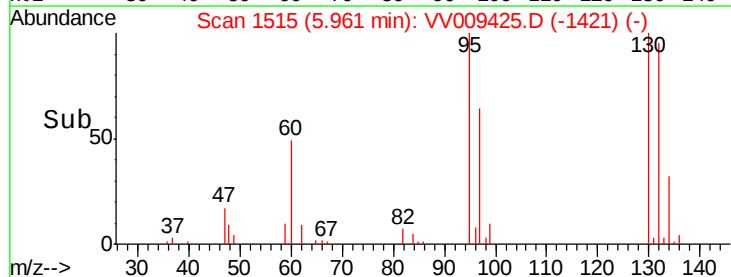
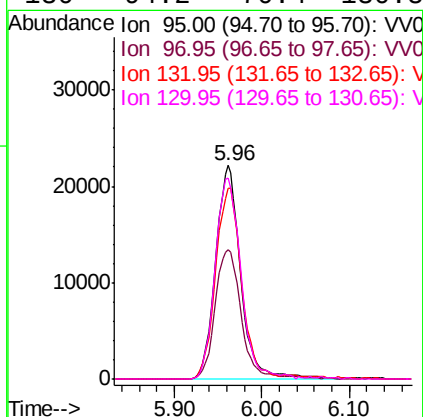
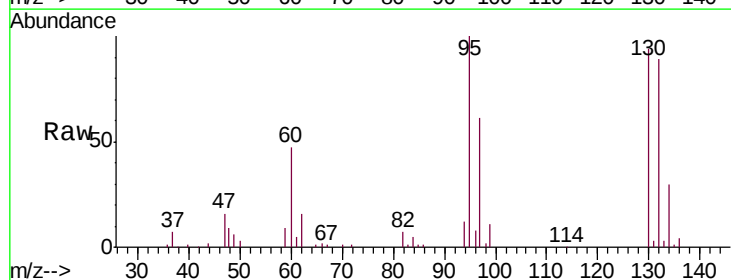
Instrument :
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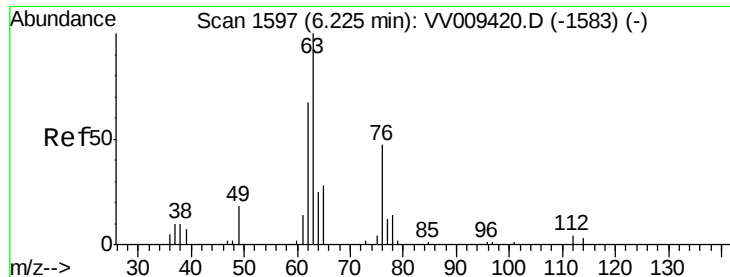
Tgt Ion: 83 Resp: 4623
Ion Ratio Lower Upper
83 100
85 57.9 45.7 84.9



#34
Trichloroethene
Concen: 6.256 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV009425.D
Acq: 28 Feb 2019 16:05

Tgt Ion: 95 Resp: 44076
Ion Ratio Lower Upper
95 100
97 60.7 44.2 82.2
132 89.3 67.8 126.0
130 94.2 70.4 130.8

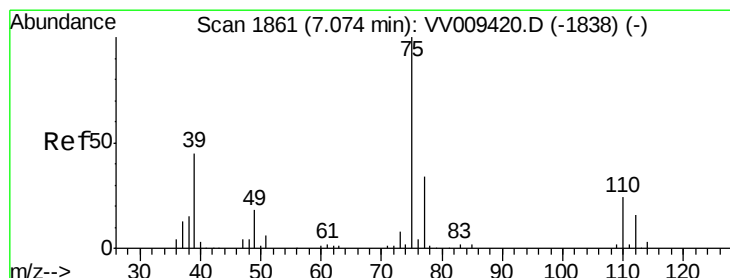
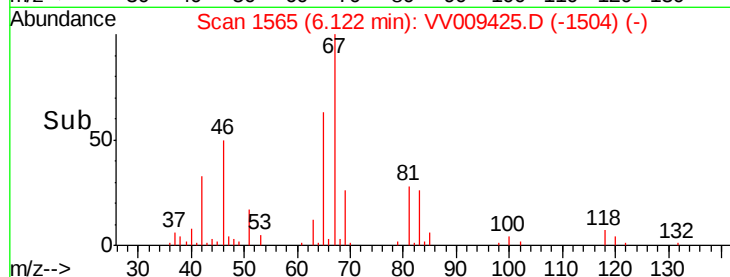
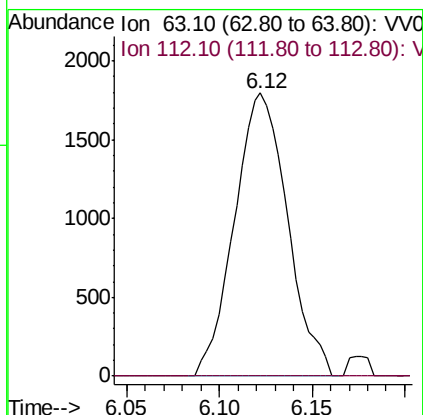
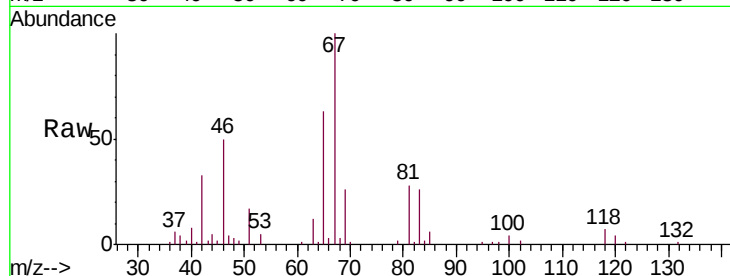




#37
 1,2-Dichloropropane
 Concen: 0.584 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.10 min
 Lab File: VV009425.D
 Acq: 28 Feb 2019 16:05

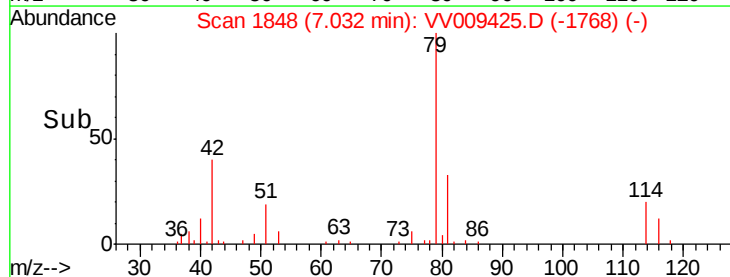
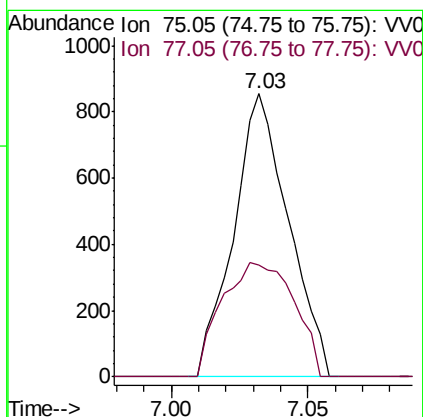
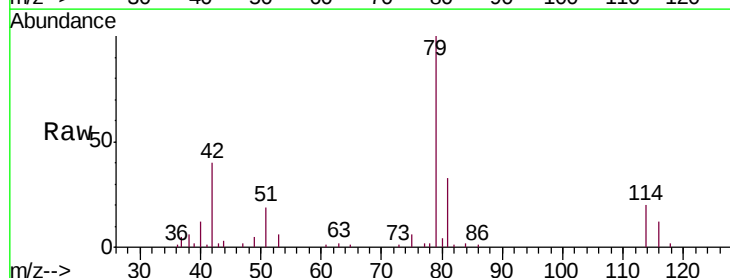
Instrument :
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 ClientSampleId :
 CWJW8

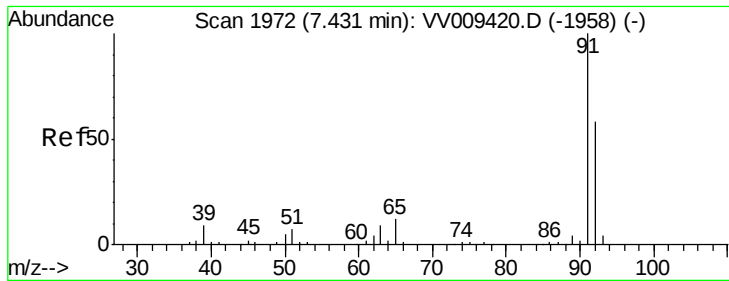
Tgt Ion: 63 Resp: 3567
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.124 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV009425.D
 Acq: 28 Feb 2019 16:05

Tgt Ion: 75 Resp: 1190
 Ion Ratio Lower Upper
 75 100
 77 39.3 21.1 39.1#





#42

Toluene

Concen: 0.922 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009425.D

Acq: 28 Feb 2019 16:05

Instrument :

MSVOA_V

ClientSampleId :

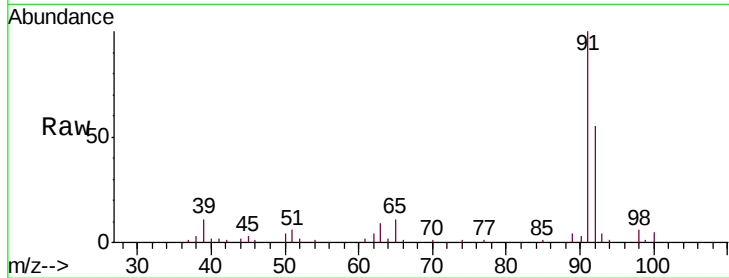
CWJW8

Tgt Ion: 91 Resp: 26197

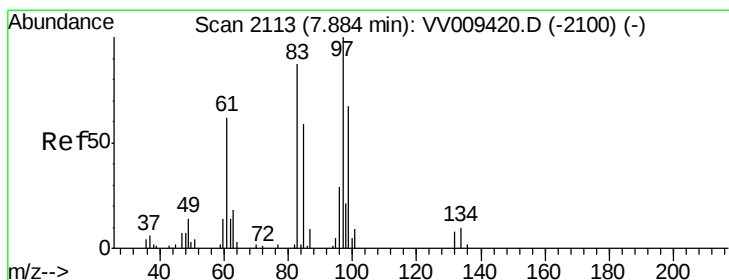
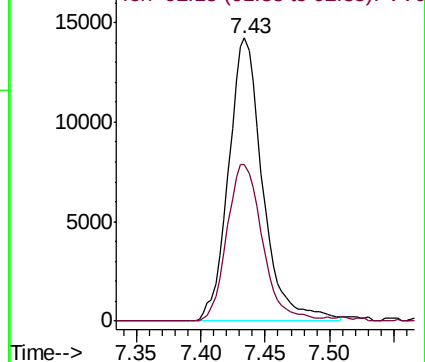
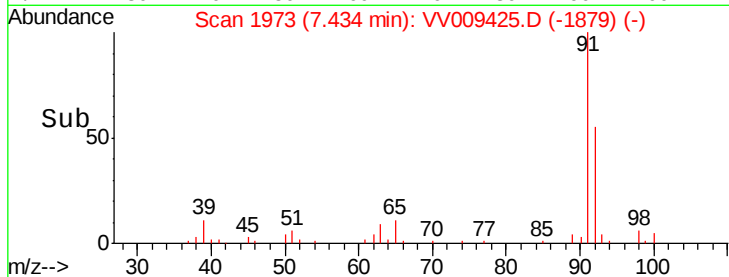
Ion Ratio Lower Upper

91 100

92 55.2 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VV009425.D (-1879) (-)



#45

1,1,2-Trichloroethane

Concen: 0.113 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.13 min

Lab File: VV009425.D

Acq: 28 Feb 2019 16:05

Tgt Ion: 97 Resp: 497

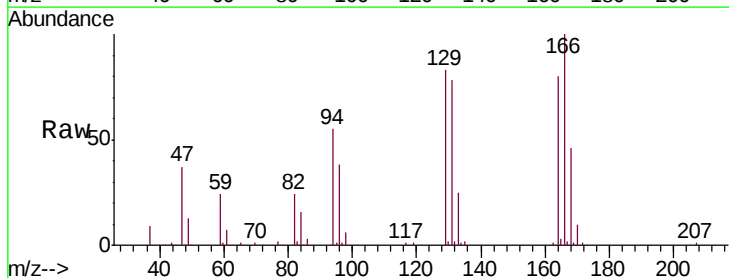
Ion Ratio Lower Upper

97 100

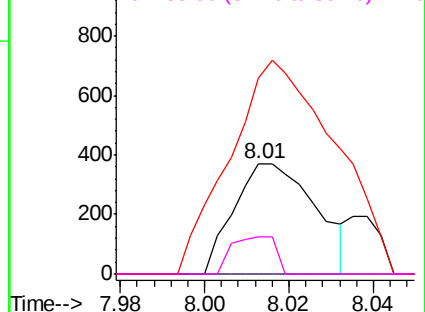
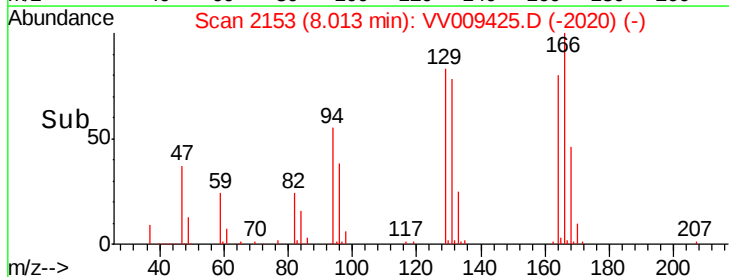
99 0.0 45.4 84.4#

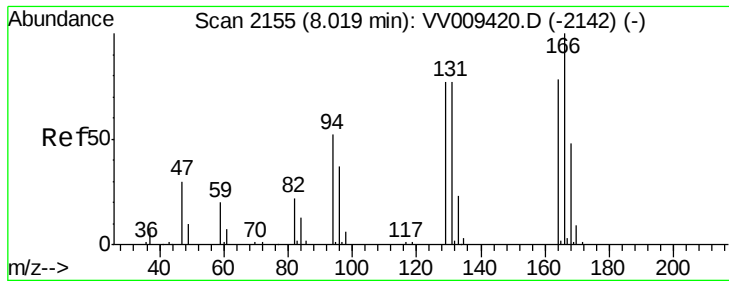
83 177.6 58.8 109.2#

85 33.8 41.9 77.7#



Abundance Ion 96.95 (96.65 to 97.65): VV009425.D (-2020) (-)





#47

Tetrachloroethene

Concen: 9.316 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV009425.D

Acq: 28 Feb 2019 16:05

Instrument :

MSVOA_V

ClientSampleId :

CWJW8

Tgt Ion:164 Resp: 51529

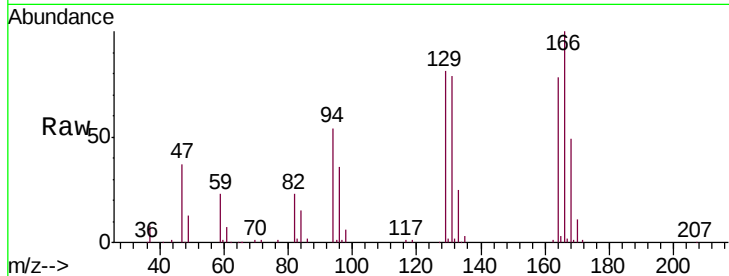
Ion Ratio Lower Upper

164 100

129 103.9 69.3 128.7

131 100.6 64.0 118.8

166 127.7 86.0 159.6

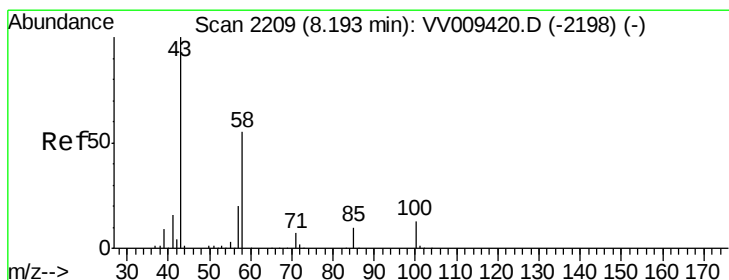
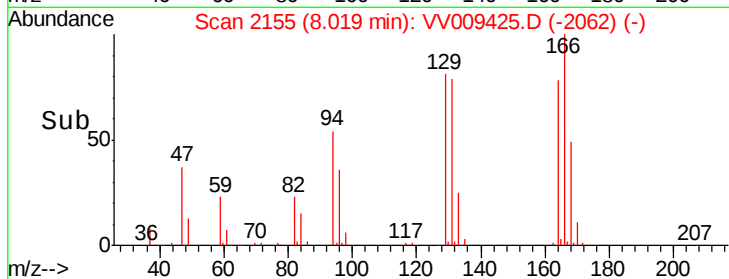
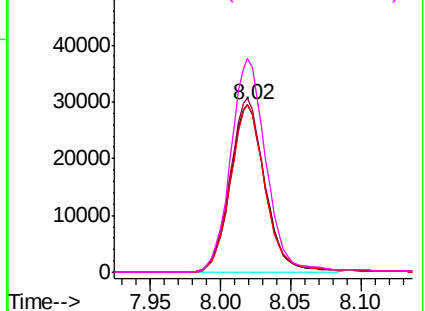


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.733 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.05 min

Lab File: VV009425.D

Acq: 28 Feb 2019 16:05

Tgt Ion: 43 Resp: 5991

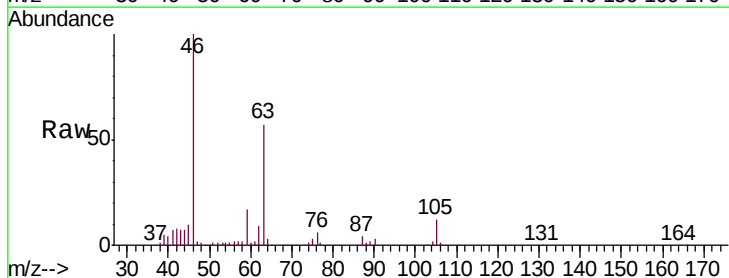
Ion Ratio Lower Upper

43 100

58 40.6 45.2 67.8#

57 26.5 16.0 24.0#

100 0.0 10.2 15.4#

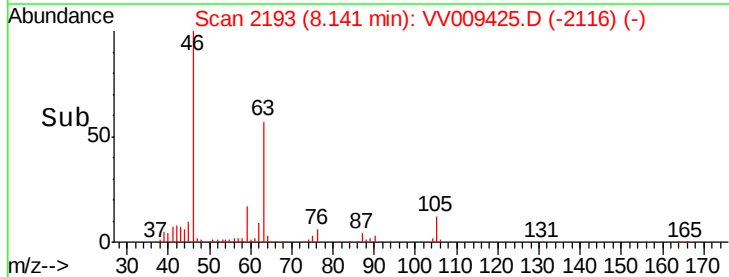
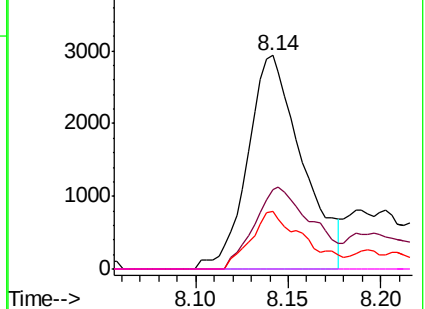


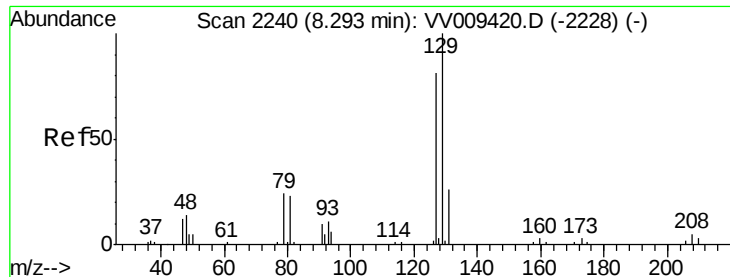
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 8.446 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV009425.D

Acq: 28 Feb 2019 16:05

Instrument :

MSVOA_V

ClientSampleId :

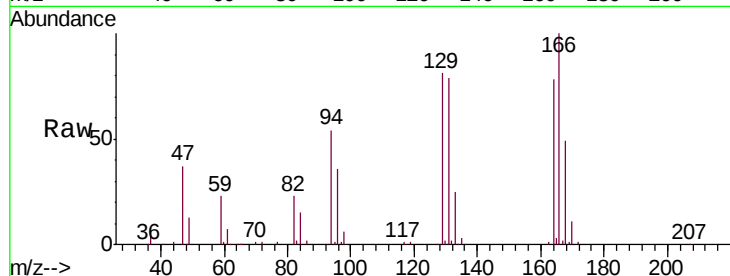
CWJW8

Tgt Ion:129 Resp: 48032

Ion Ratio Lower Upper

129 100

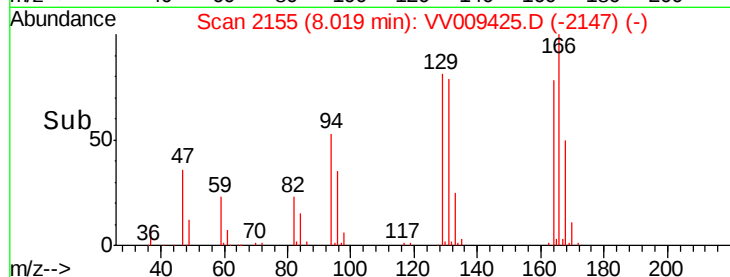
127 0.4 56.6 105.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.02



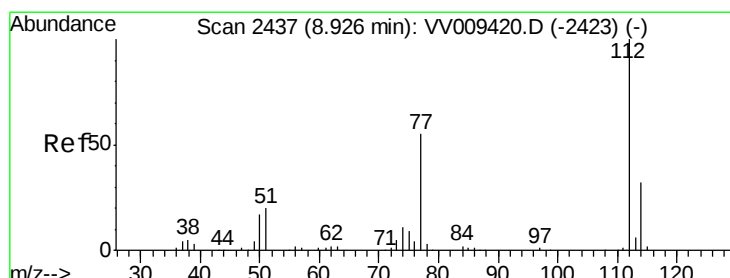
30000

20000

10000

0

Time-->



#51

Chlorobenzene

Concen: 0.130 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009425.D

Acq: 28 Feb 2019 16:05

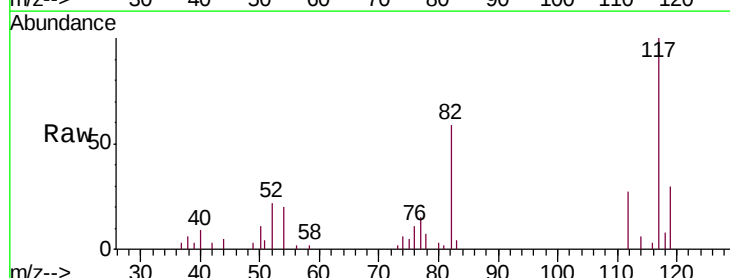
Tgt Ion:112 Resp: 2405

Ion Ratio Lower Upper

112 100

114 20.6 23.2 43.2#

77 54.1 45.7 68.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

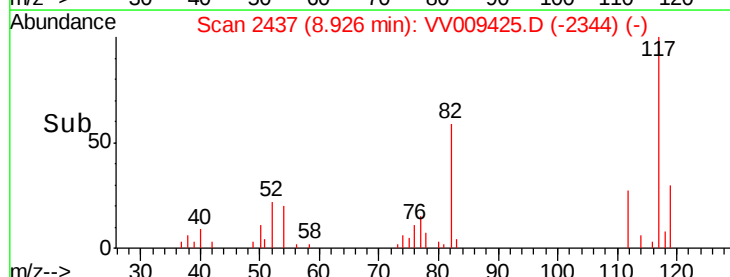
1500

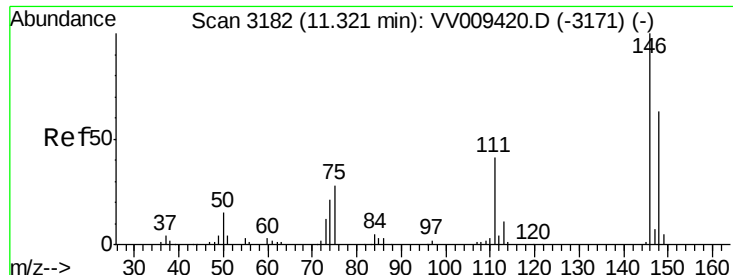
1000

500

0

Time-->





#63
 1,4-Dichlorobenzene
 Concen: 0.106 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009425.D
 Acq: 28 Feb 2019 16:05

Instrument :
 MSVOA_V
 ClientSampleId :
 CWJW8

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	27.2	50.4
148	58.6	45.7	84.9

