

Data File : VW007941.D
Acq On : 27 Dec 2018 01:08
Operator : SY/AP
Sample : J6506-01
Misc : 5.76G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEZX8

Quant Time: Dec 27 03:08:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 27 03:06:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	103915	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	88314	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	36074	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	23620	23.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.28%
7) Chloroethane-d5	2.90	69	15996	23.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.72%
10) 1,1-Dichloroethene-d2	4.01	63	46639	16.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.28%
20) 2-Butanone-d5	7.07	46	17457	39.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.94%
24) Chloroform-d	7.65	84	60675	21.95	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	8.31	65	38346	23.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.52%
29) Benzene-d6	8.27	84	117600	23.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.96%
33) 1,2-Dichloropropane-d6	9.27	67	33180	24.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.52%
37) Toluene-d8	10.32	98	111076	23.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.08%
38) trans-1,3-Dichloropropene-	10.58	79	16955	21.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.68%
39) 2-Hexanone-d5	10.93	63	14024	40.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.40%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	27378	21.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.48%
61) 1,2-Dichlorobenzene-d4	13.86	152	31476	21.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.40%

Target Compounds

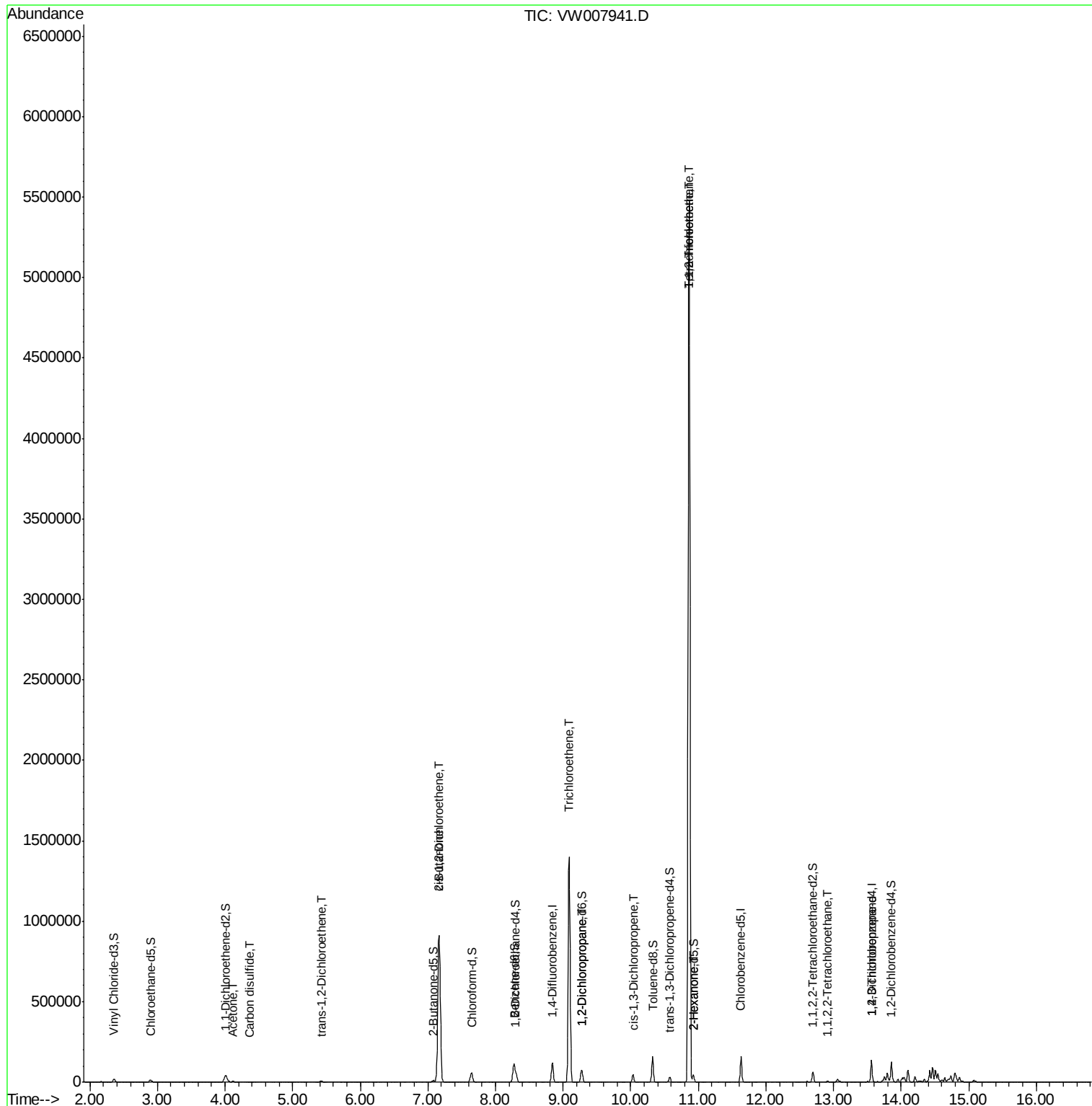
						Qvalue
13) Acetone	4.12	43	6633	15.545	ug/L	98
14) Carbon disulfide	4.37	76	1769	0.465	ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	2786	2.138	ug/L	97
21) 2-Butanone	7.17	43	948	1.952	ug/L #	1
22) cis-1,2-Dichloroethene	7.16	96	550708	394.419	ug/L	94
35) Trichloroethene	9.09	95	477257	347.598	ug/L	99
40) 1,2-Dichloropropane	9.27	63	4081	3.674	ug/L #	86
42) cis-1,3-Dichloropropene	10.04	75	1275	0.658	ug/L	86
46) 1,1,2-Trichloroethane	10.87	97	12731	13.546	ug/L #	32
47) Tetrachloroethene	10.87	164	1184134	1085.474	ug/L	96
49) 2-Hexanone	10.92	43	2036	3.210	ug/L #	64
58) 1,1,2,2-Tetrachloroethane	12.91	83	604	0.518	ug/L #	25
59) 1,2,3-Trichloropropane	13.56	75	3731	3.981	ug/L #	66

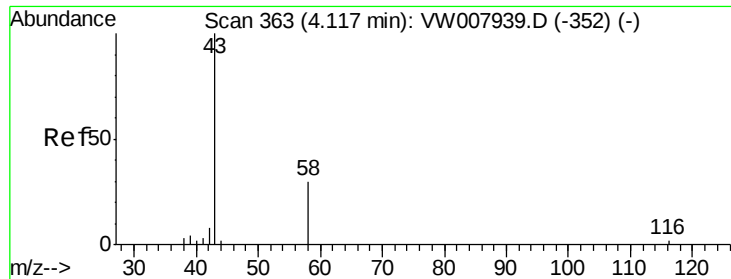
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 15.545 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007941.D

Acq: 27 Dec 2018 01:08

Instrument :

MSVOA_W

ClientSampled :

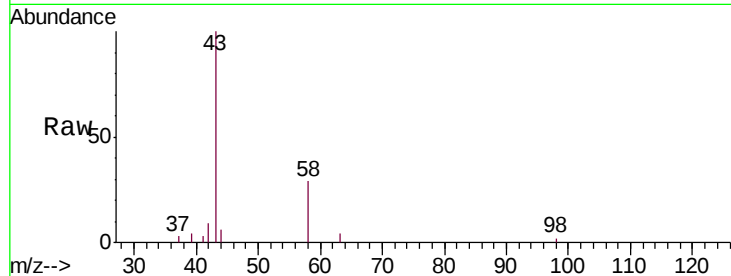
BEZX8

Tgt Ion: 43 Resp: 6633

Ion Ratio Lower Upper

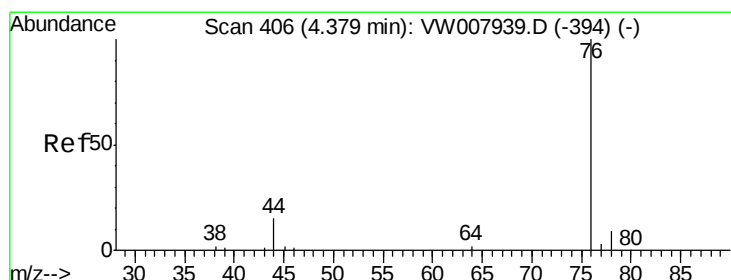
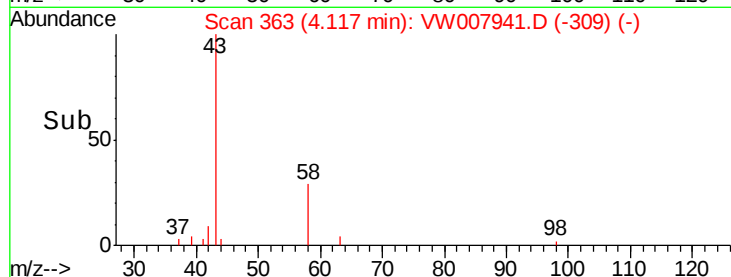
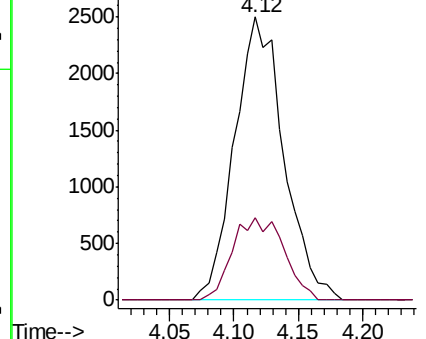
43 100

58 30.4 0.0 58.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.465 ug/L

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW007941.D

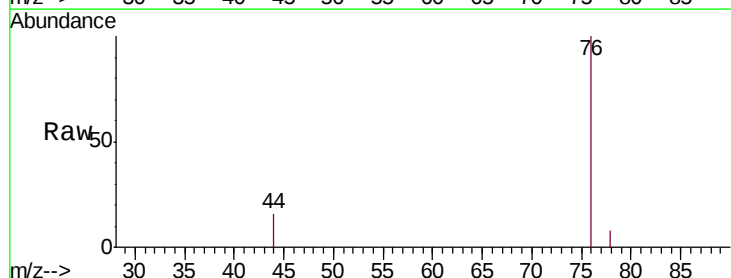
Acq: 27 Dec 2018 01:08

Tgt Ion: 76 Resp: 1769

Ion Ratio Lower Upper

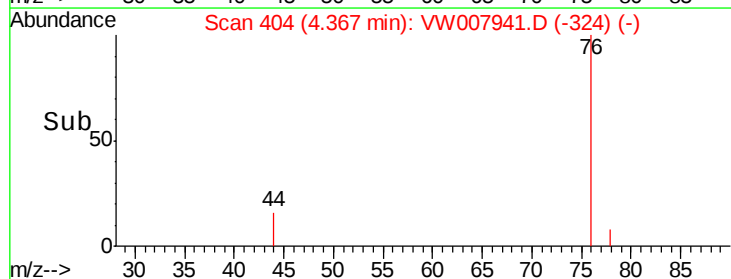
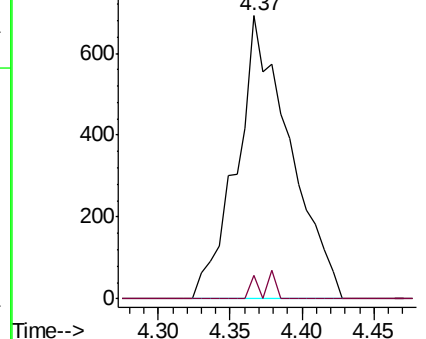
76 100

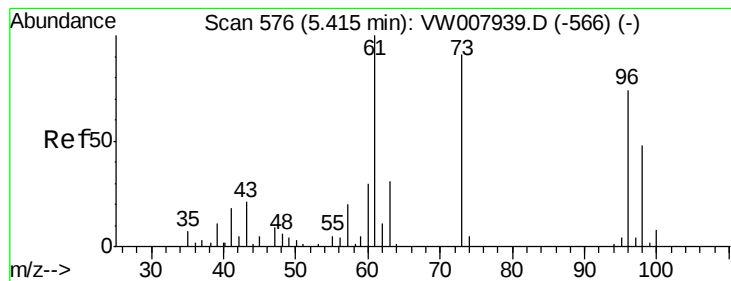
78 8.2 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#18

trans-1,2-Dichloroethene

Concen: 2.138 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW007941.D

Acq: 27 Dec 2018 01:08

Instrument :

MSVOA_W

ClientSampled :

BEZX8

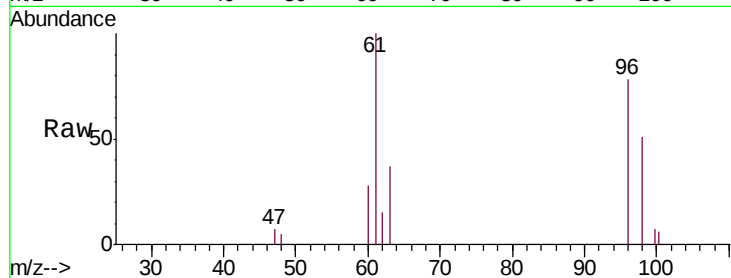
Tgt Ion: 96 Resp: 2786

Ion Ratio Lower Upper

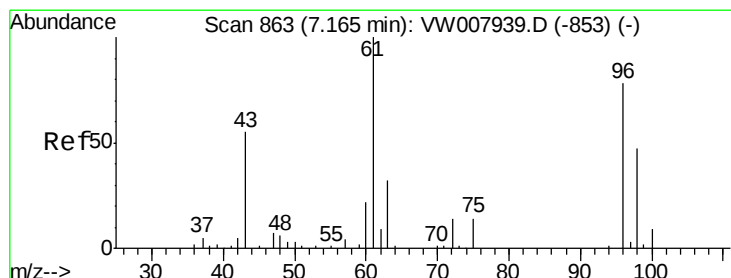
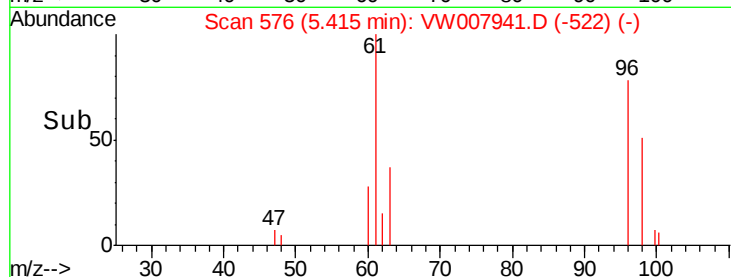
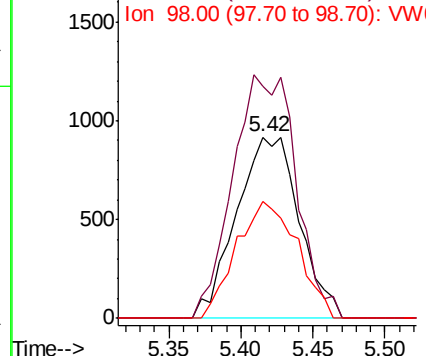
96 100

61 128.2 91.4 169.8

98 64.8 48.0 89.2



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



#21

2-Butanone

Concen: 1.952 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW007941.D

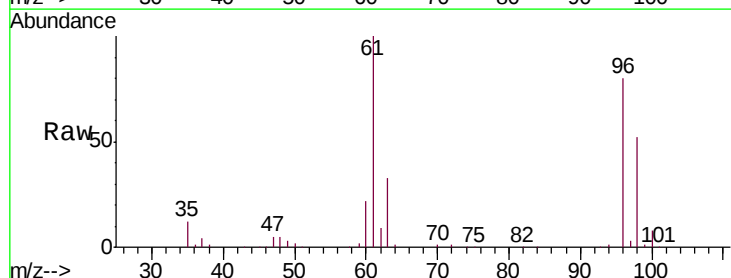
Acq: 27 Dec 2018 01:08

Tgt Ion: 43 Resp: 948

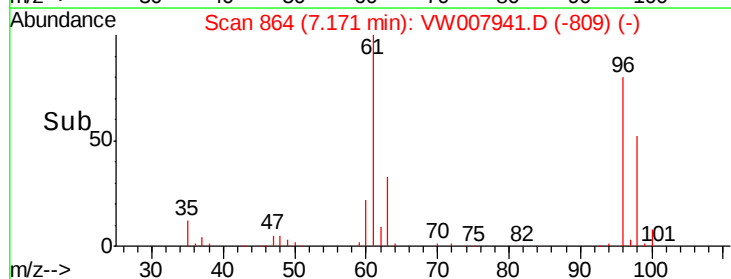
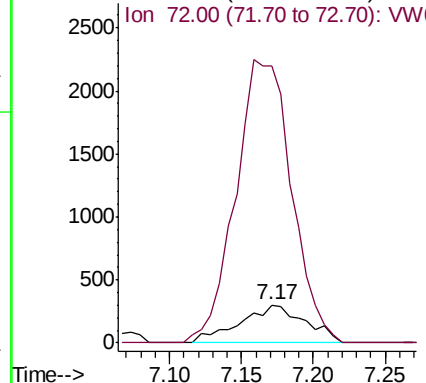
Ion Ratio Lower Upper

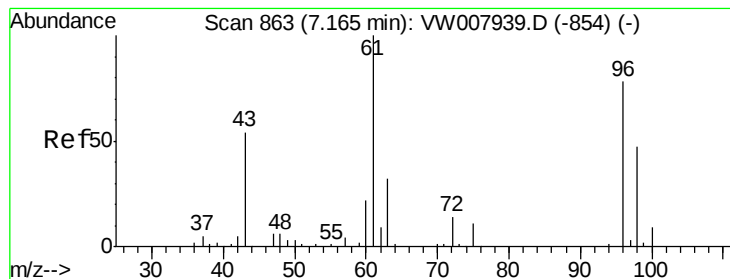
43 100

72 637.7 14.4 43.4#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



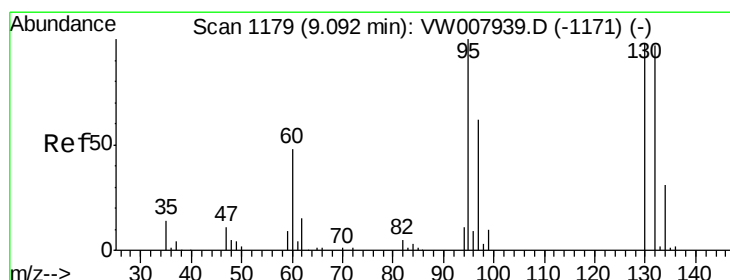
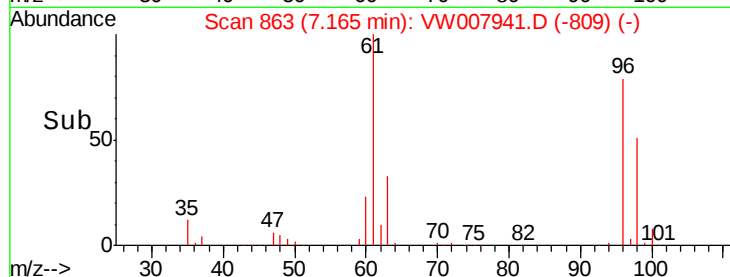
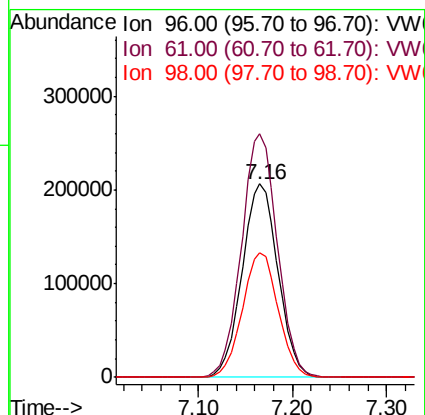
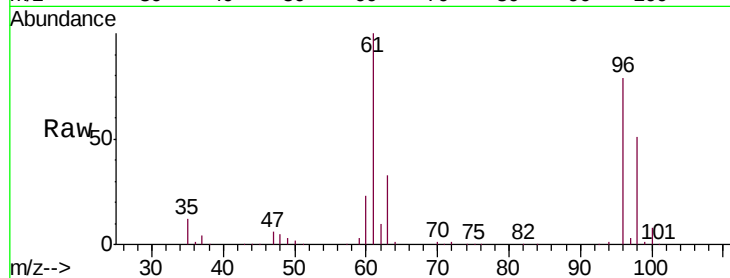


#22

cis-1,2-Dichloroethene
 Concen: 394.419 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW007941.D
 Acq: 27 Dec 2018 01:08

Instrument :
 MSVOA_W
 ClientSampleId :
 BEZX8

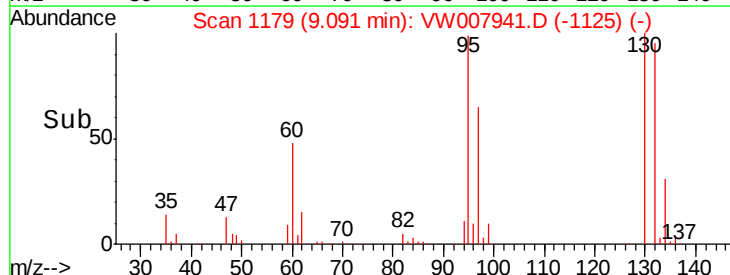
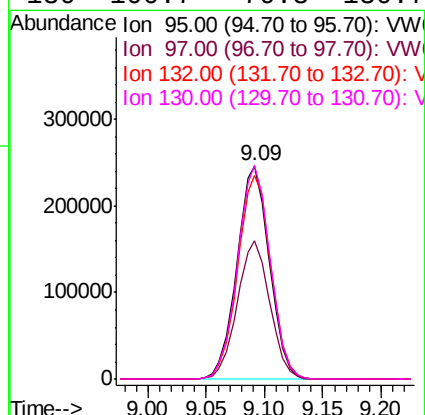
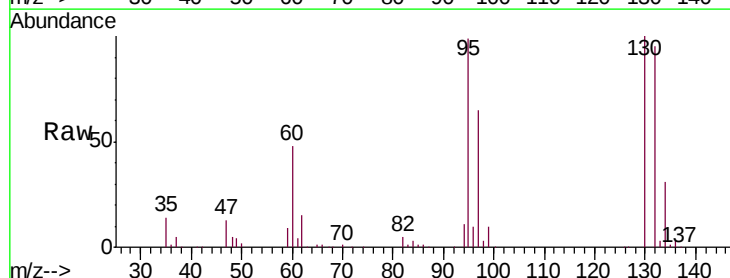
Tgt Ion: 96 Resp: 550708
 Ion Ratio Lower Upper
 96 100
 61 125.9 83.4 155.0
 98 64.7 42.3 78.5

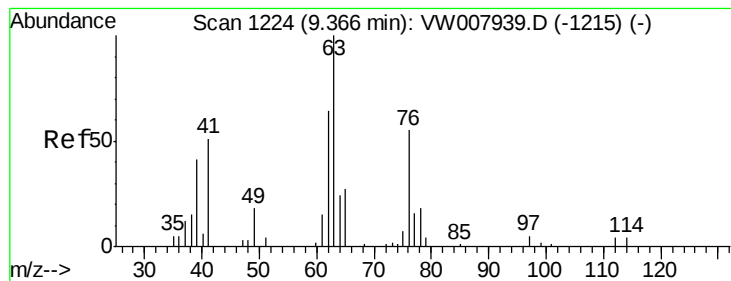


#35

Trichloroethene
 Concen: 347.598 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW007941.D
 Acq: 27 Dec 2018 01:08

Tgt Ion: 95 Resp: 477257
 Ion Ratio Lower Upper
 95 100
 97 65.0 44.4 82.5
 132 97.4 67.8 126.0
 130 100.7 70.3 130.7





#40

1,2-Dichloropropane

Concen: 3.674 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.09 min

Lab File: VW007941.D

Acq: 27 Dec 2018 01:08

Instrument :

MSVOA_W

ClientSampleId :

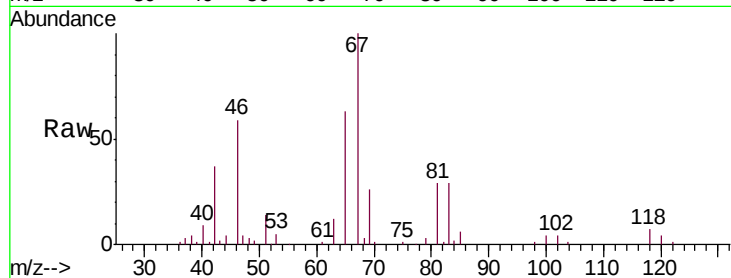
BEZX8

Tgt Ion: 63 Resp: 4081

Ion Ratio Lower Upper

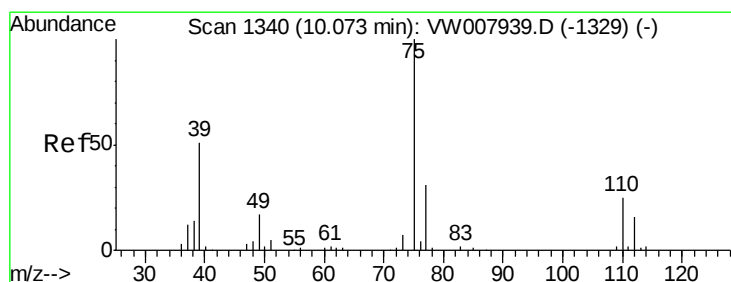
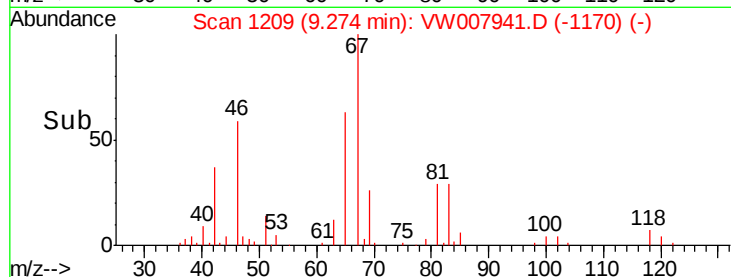
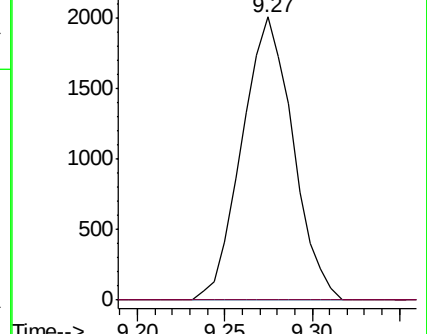
63 100

112 0.0 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.658 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW007941.D

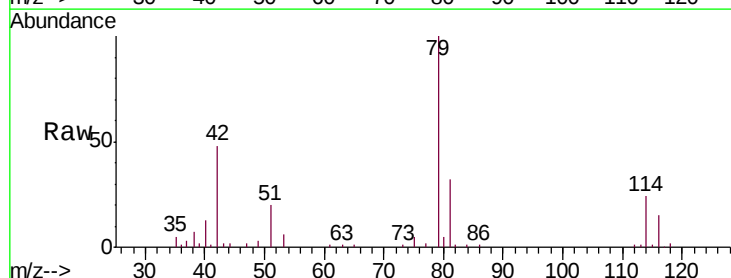
Acq: 27 Dec 2018 01:08

Tgt Ion: 75 Resp: 1275

Ion Ratio Lower Upper

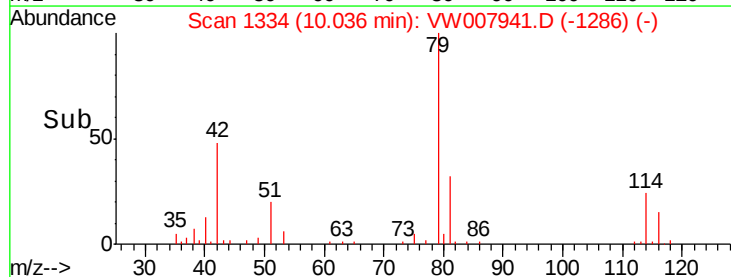
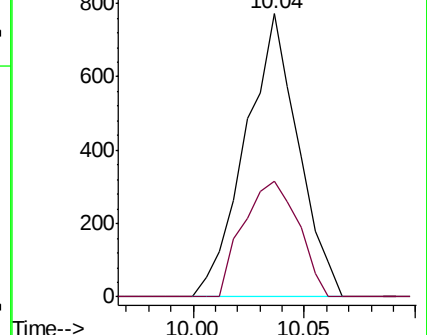
75 100

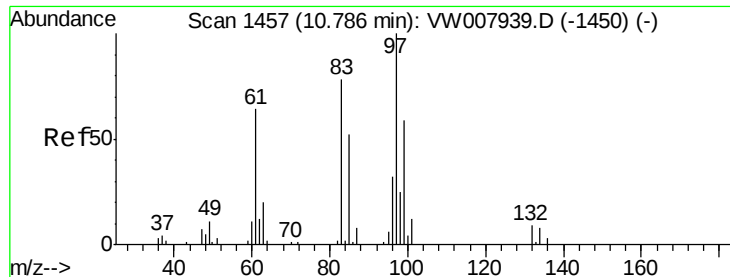
77 40.7 23.0 42.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

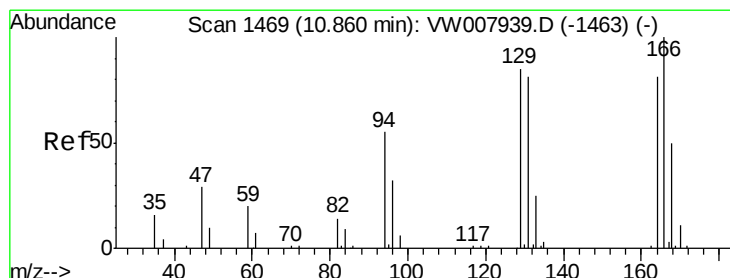
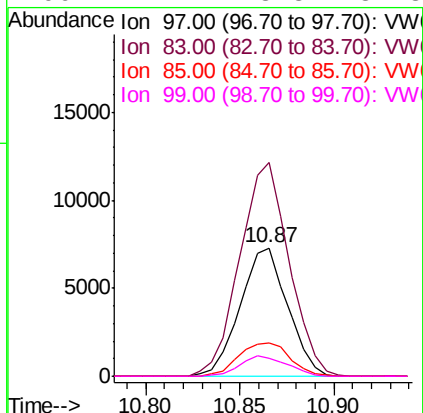
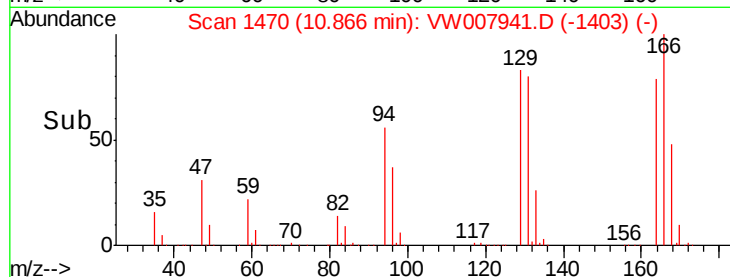
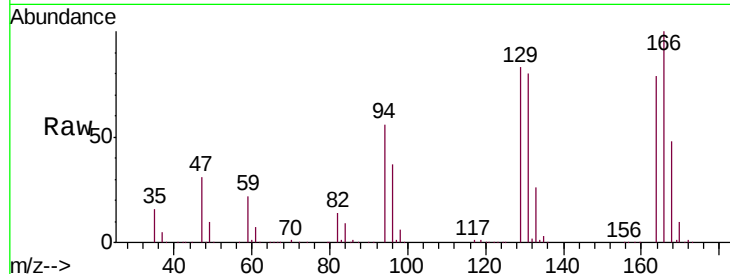




#46
1,1,2-Trichloroethane
Concen: 13.546 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.08 min
Lab File: VW007941.D
Acq: 27 Dec 2018 01:08

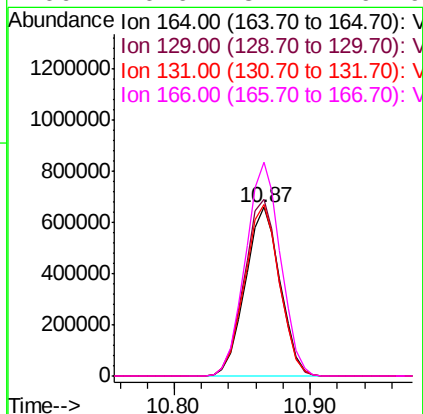
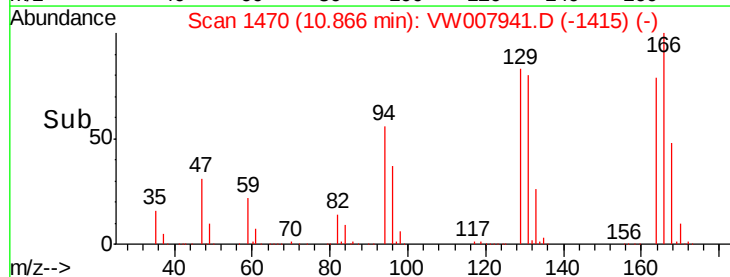
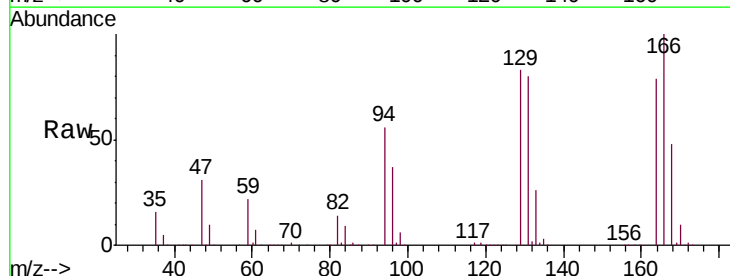
Instrument :
MSVOA_W
ClientSampleID :
BEZX8

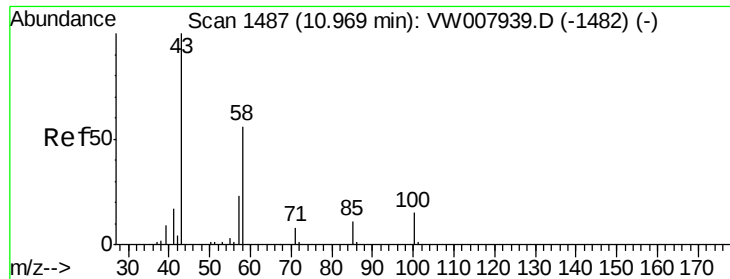
Tgt Ion: 97 Resp: 12731
Ion Ratio Lower Upper
97 100
83 166.3 58.4 108.6#
85 25.9 36.4 67.6#
99 14.4 43.8 81.3#



#47
Tetrachloroethene
Concen: 1085.474 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW007941.D
Acq: 27 Dec 2018 01:08

Tgt Ion: 164 Resp: 1184134
Ion Ratio Lower Upper
164 100
129 105.0 70.6 131.2
131 101.4 66.5 123.5
166 126.6 87.7 162.9





#49

2-Hexanone

Concen: 3.210 ug/L

RT: 10.92 min Scan# 1479

Delta R.T. -0.05 min

Lab File: VW007941.D

Acq: 27 Dec 2018 01:08

Instrument :

MSVOA_W

ClientSampleId :

BEZX8

Tgt Ion: 43 Resp: 2036

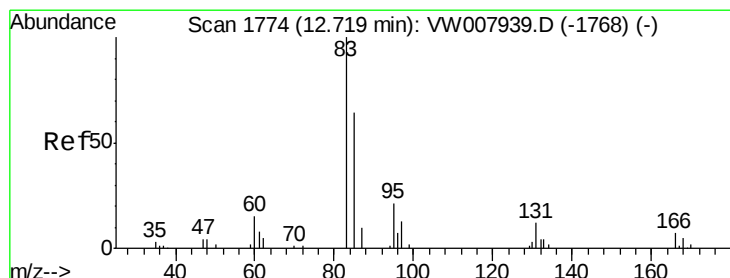
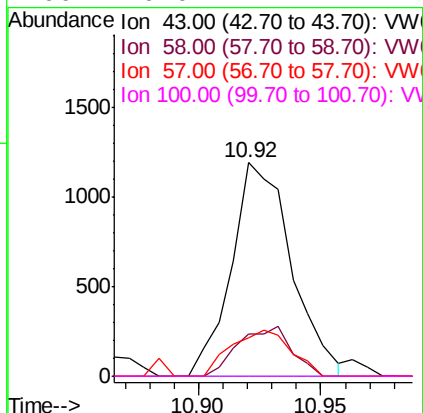
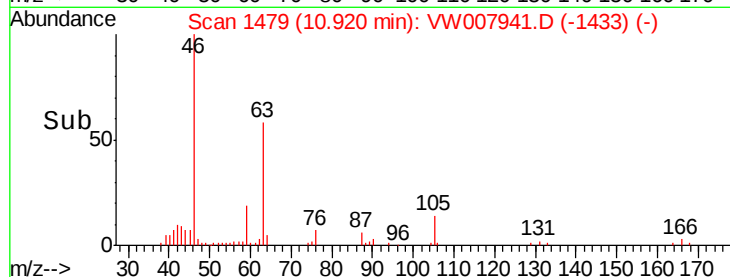
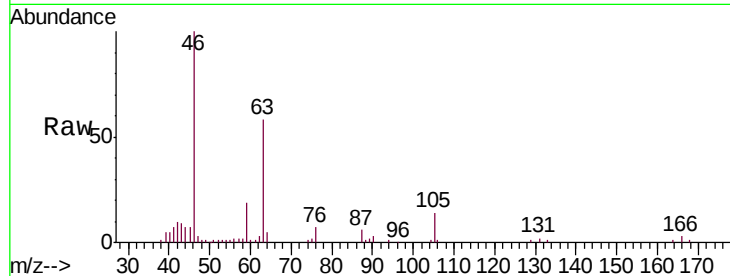
Ion Ratio Lower Upper

43 100

58 20.8 46.2 69.4#

57 21.8 17.9 26.9

100 0.0 11.4 17.2#



#58

1,1,2,2-Tetrachloroethane

Concen: 0.518 ug/L

RT: 12.91 min Scan# 1806

Delta R.T. 0.19 min

Lab File: VW007941.D

Acq: 27 Dec 2018 01:08

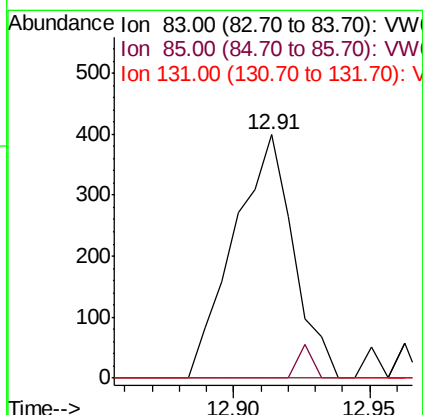
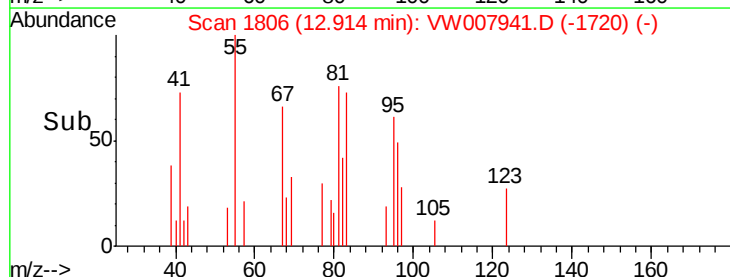
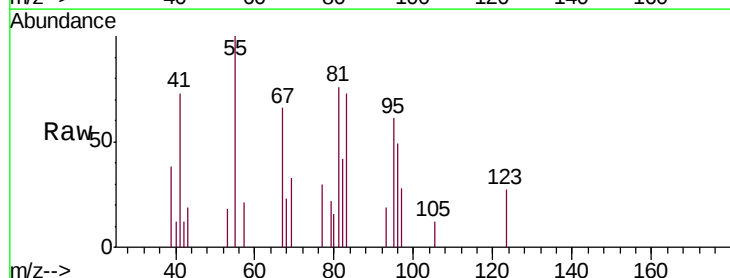
Tgt Ion: 83 Resp: 604

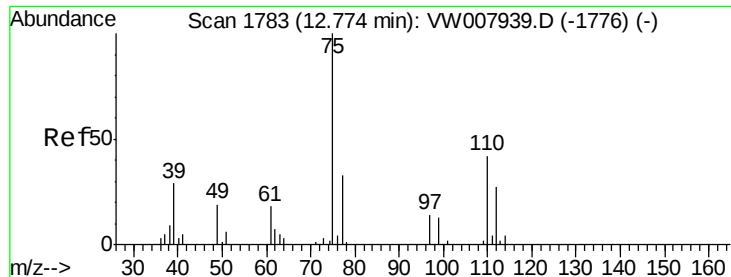
Ion Ratio Lower Upper

83 100

85 0.0 46.6 86.6#

131 0.0 9.7 14.5#





#59

1,2,3-Trichloropropane

Concen: 3.981 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW007941.D

Acq: 27 Dec 2018 01:08

Instrument :

MSVOA_W

ClientSampleId :

BEZX8

Tgt Ion: 75 Resp: 3731

Ion Ratio Lower Upper

75 100

77 51.0 25.5 38.3#

