

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112818\
 Data File : VW007122.D
 Acq On : 28 Nov 2018 18:57
 Operator : VAY/AP
 Sample : J6082-01RE
 Misc : 7.07G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S49-0490RE

Quant Time: Nov 29 04:37:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

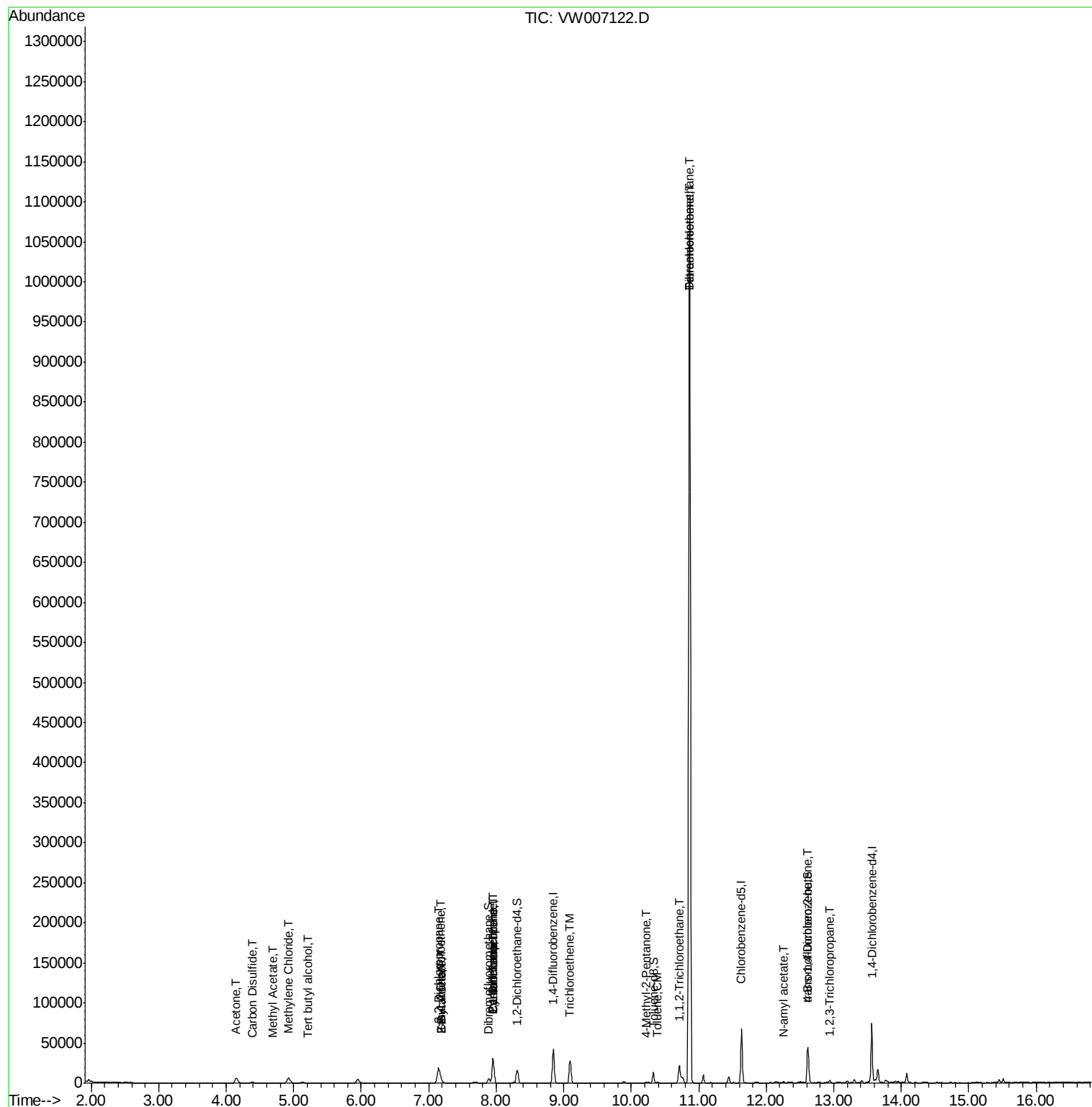
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	22337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	37812	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	38835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	19832	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	13335	60.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.96%	
35) Dibromofluoromethane	7.89	113	4173	19.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	39.08%	
50) Toluene-d8	10.32	98	10019	10.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	21.26%	
62) 4-Bromofluorobenzene	12.62	95	6926	18.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	37.34%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.20	59	48	3.372	ug/l #	71
16) Acetone	4.15	43	11459	360.909	ug/l	95
17) Carbon Disulfide	4.39	76	2573	3.936	ug/l #	94
18) Methyl Acetate	4.69	43	233	2.061	ug/l #	50
20) Methylene Chloride	4.92	84	4951	15.882	ug/l	93
25) 2-Butanone	7.19	43	2710	49.835	ug/l	96
26) 2,2-Dichloropropane	7.14	77	1375	3.851	ug/l #	53
27) cis-1,2-Dichloroethene	7.18	96	1745	6.958	ug/l	84
31) Cyclohexane	7.95	56	706	1.676	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	1707	4.620	ug/l #	46
37) Ethyl Acetate	7.19	43	2710	20.239	ug/l #	1
38) Carbon Tetrachloride	7.95	117	2318	6.551	ug/l #	13
44) Trichloroethene	9.10	130	10270	36.731	ug/l	85
51) 4-Methyl-2-Pentanone	10.22	43	712	5.522	ug/l #	66
52) Toluene	10.39	92	682	1.005	ug/l	96
55) 1,1,2-Trichloroethane	10.71	97	505	2.788	ug/l #	15
60) Dibromochloromethane	10.87	129	233432	1130.873	ug/l #	11
64) Tetrachloroethene	10.87	164	241127	965.148	ug/l	99
74) N-amyl acetate	12.26	43	573	2.218	ug/l #	43
76) 1,2,3-Trichloropropane	12.93	75	207	1.328	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	3366	54.227	ug/l #	11

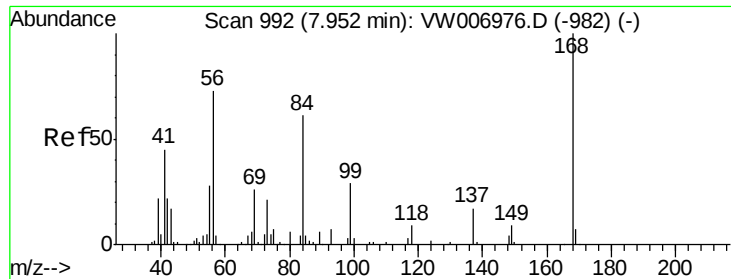
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 21 03:23:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007122.D

Acq: 28 Nov 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

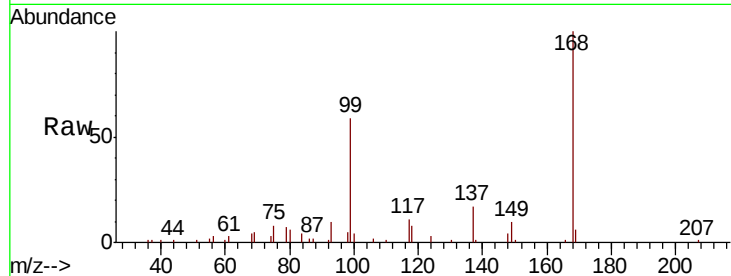
S49-0490RE

Tot Ion:168 Resp: 22337

Ion Ratio Lower Upper

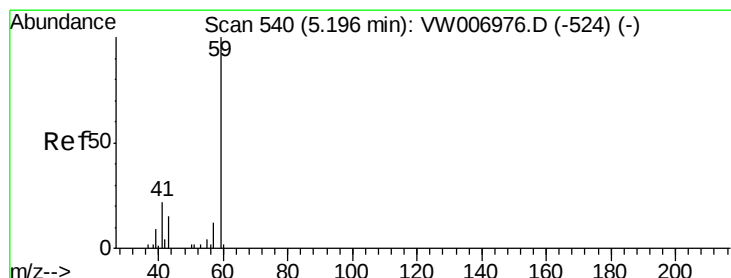
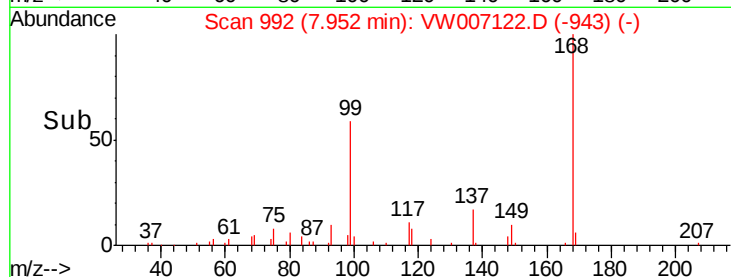
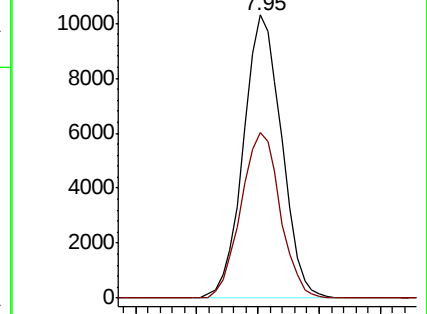
168 100

99 58.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.372 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.01 min

Lab File: VW007122.D

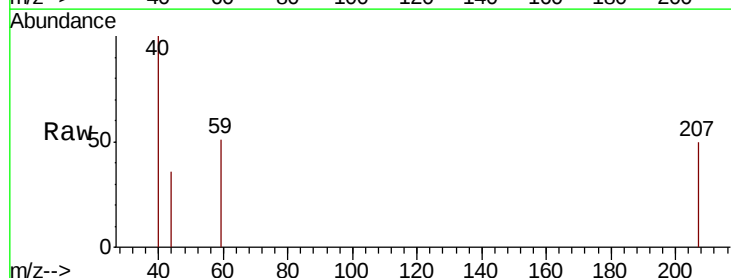
Acq: 28 Nov 2018 18:57

Tgt Ion: 59 Resp: 48

Ion Ratio Lower Upper

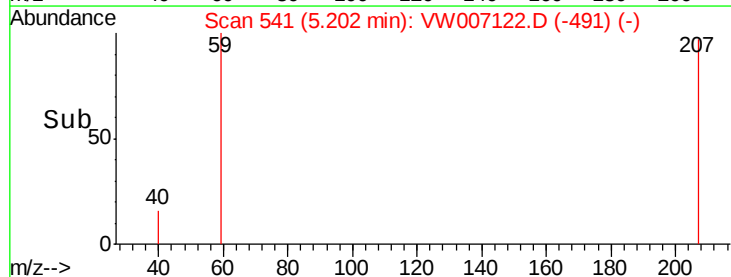
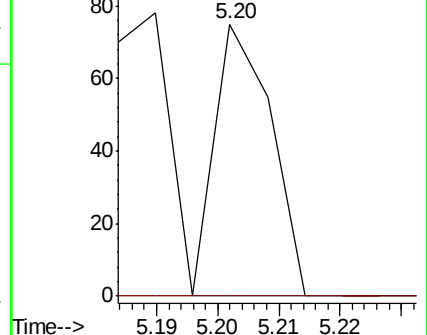
59 100

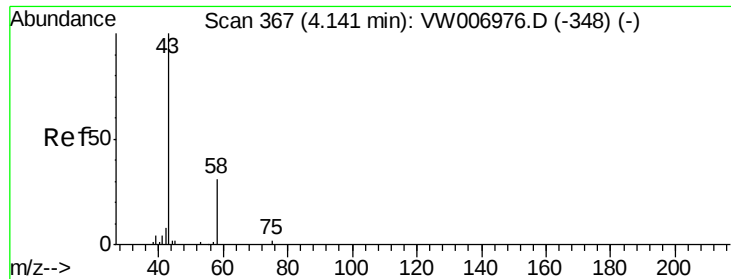
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 360.909 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW007122.D

Acq: 28 Nov 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

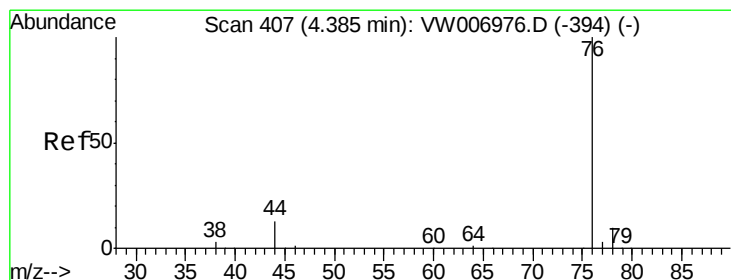
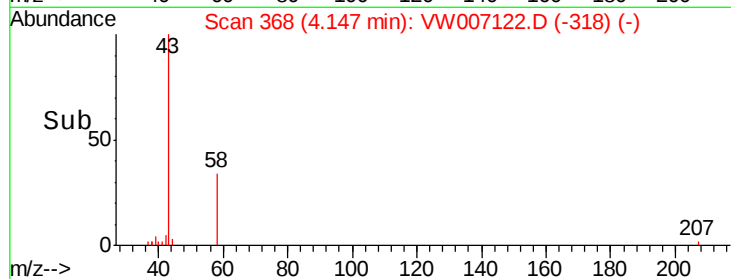
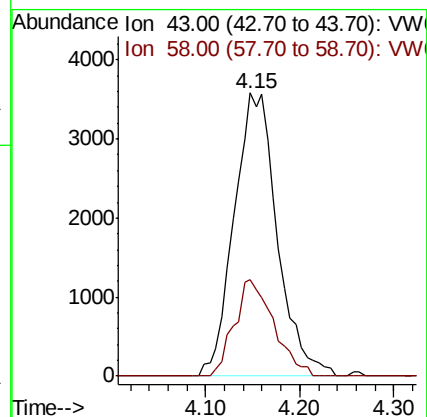
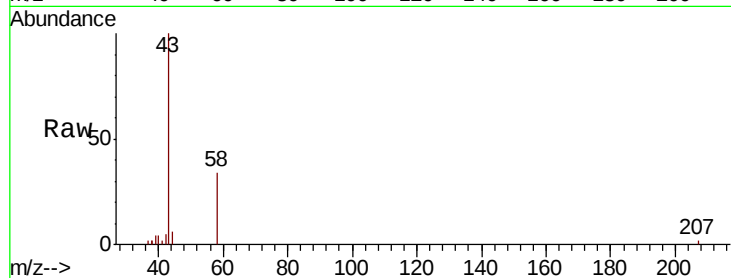
S49-0490RE

Tot Ion: 43 Resp: 11459

Ion Ratio Lower Upper

43 100

58 33.9 24.8 37.2



#17

Carbon Disulfide

Concen: 3.936 ug/l

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW007122.D

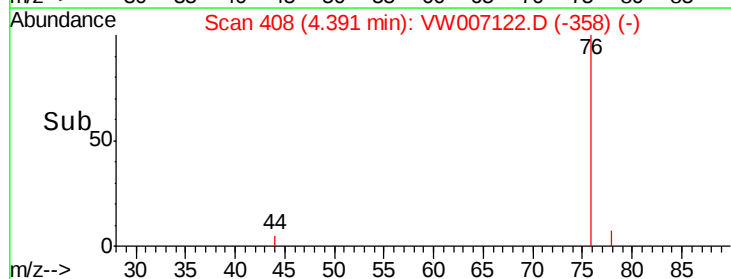
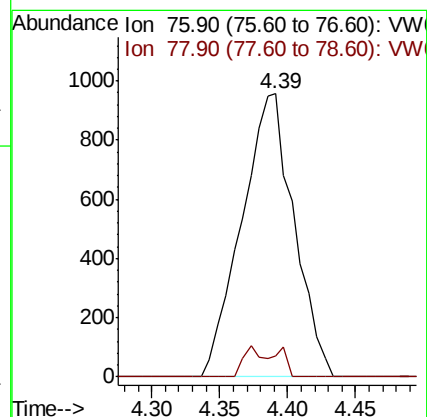
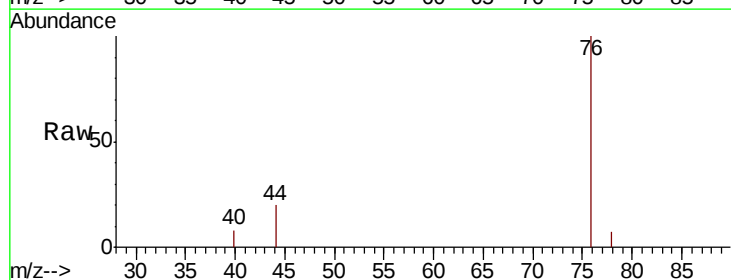
Acq: 28 Nov 2018 18:57

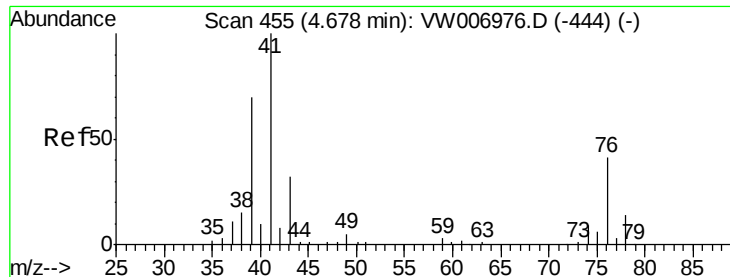
Tgt Ion: 76 Resp: 2573

Ion Ratio Lower Upper

76 100

78 7.3 7.8 11.6#

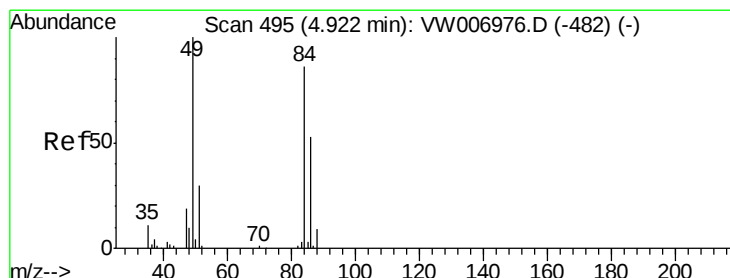
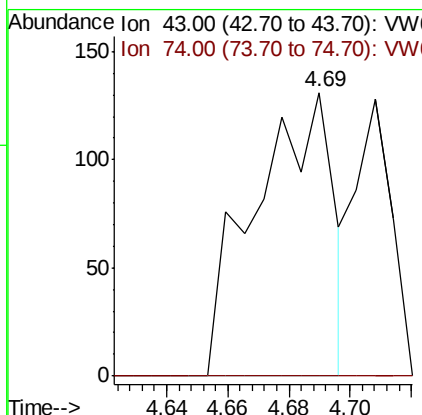
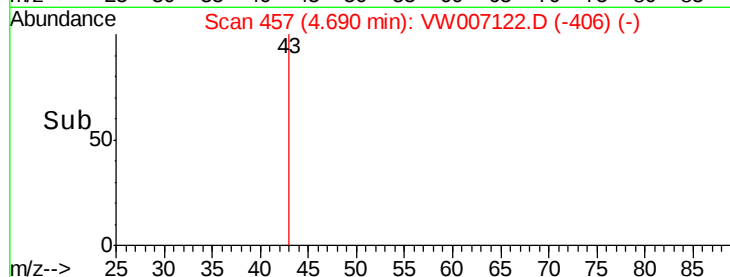
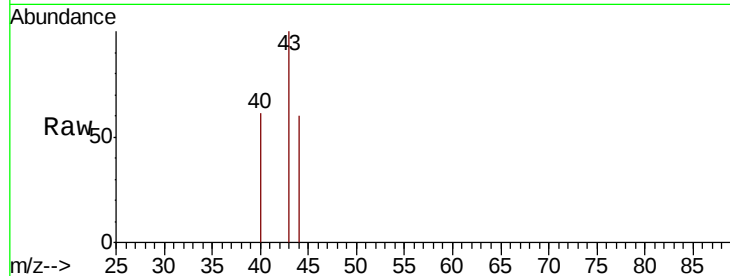




#18
Methvl Acetate
Concen: 2.061 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW007122.D
Acq: 28 Nov 2018 18:57

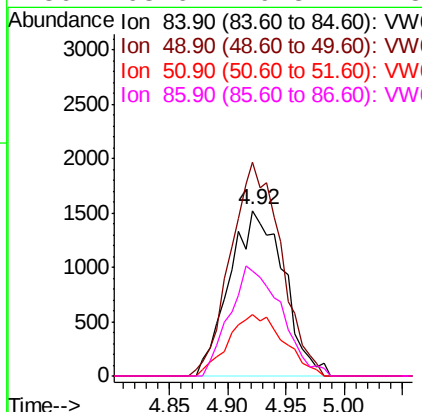
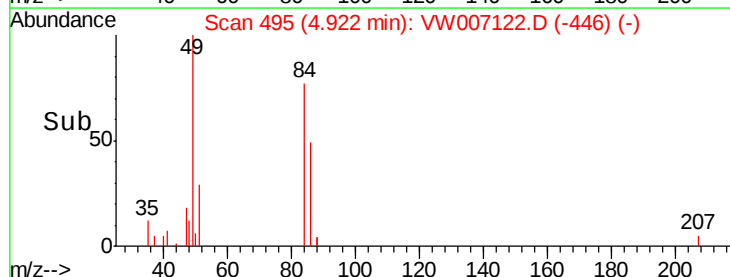
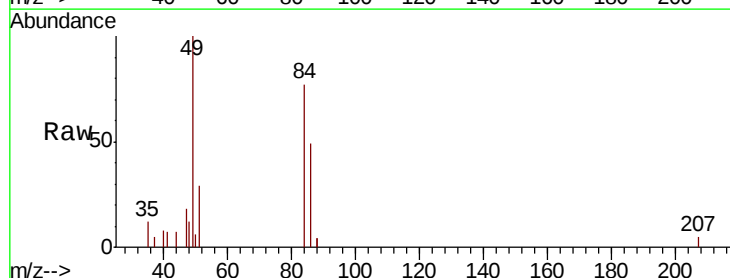
Instrument :
MSVOA_W
ClientSampled :
S49-0490RE

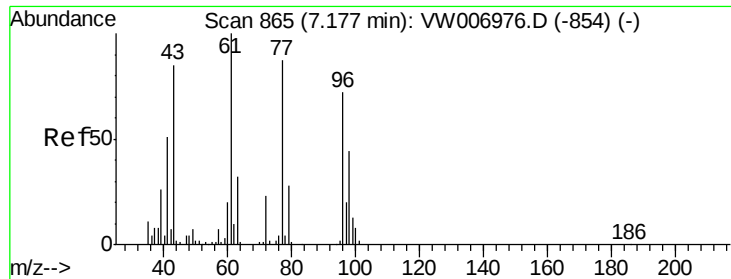
Tot Ion: 43 Resp: 233
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 15.882 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007122.D
Acq: 28 Nov 2018 18:57

Tgt Ion: 84 Resp: 4951
Ion Ratio Lower Upper
84 100
49 129.1 93.4 140.0
51 36.8 28.4 42.6
86 63.6 49.8 74.8





#25

2-Butanone

Concen: 49.835 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW007122.D

Acq: 28 Nov 2018 18:57

Instrument :

MSVOA_W

ClientSampled :

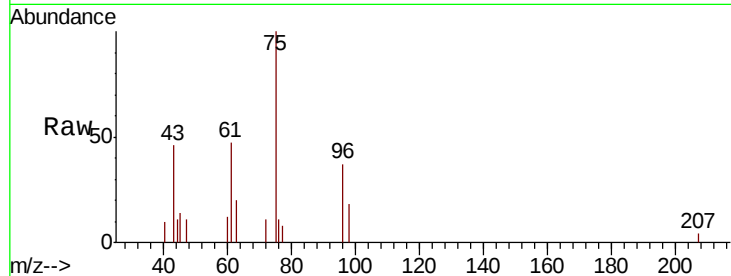
S49-0490RE

Tot Ion: 43 Resp: 2710

Ion Ratio Lower Upper

43 100

72 24.5 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.19

600

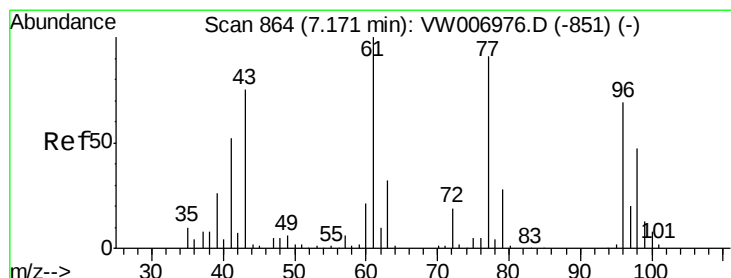
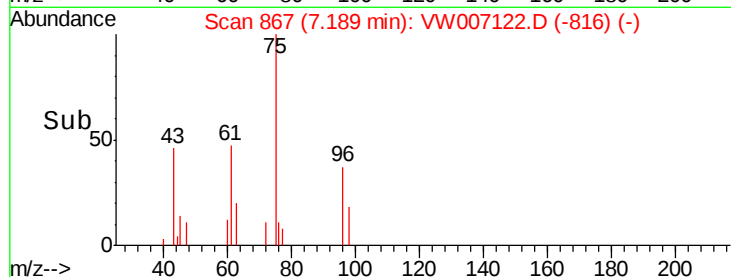
400

200

0

7.10 7.20 7.30

Time-->



#26

2,2-Dichloropropane

Concen: 3.851 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW007122.D

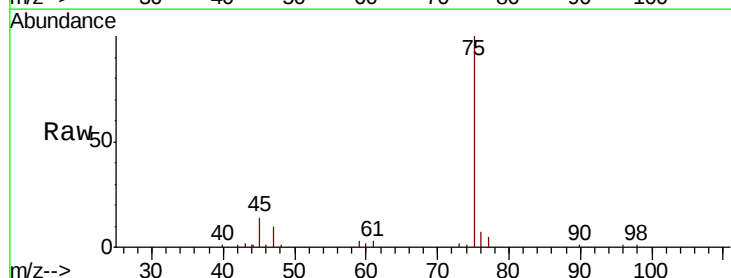
Acq: 28 Nov 2018 18:57

Tgt Ion: 77 Resp: 1375

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.14

600

500

400

300

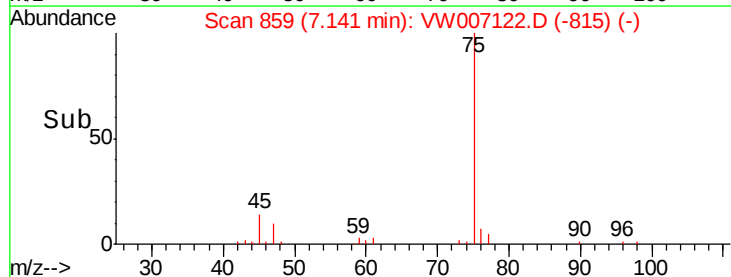
200

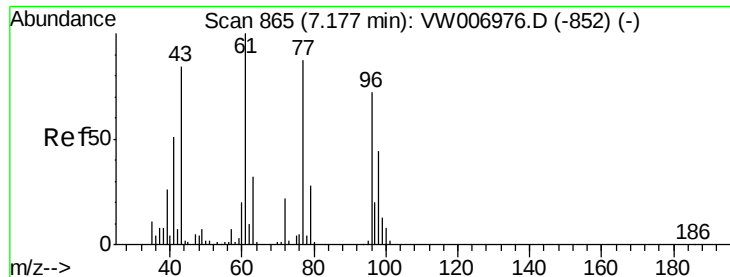
100

0

7.05 7.10 7.15 7.20

Time-->



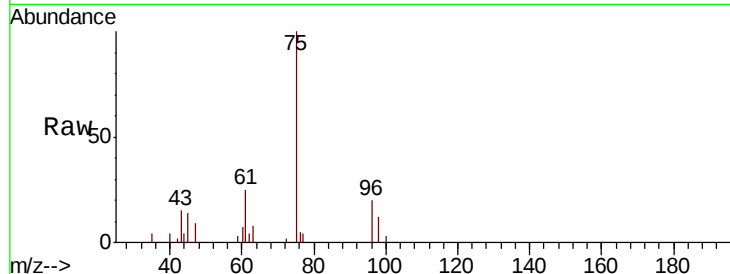


#27

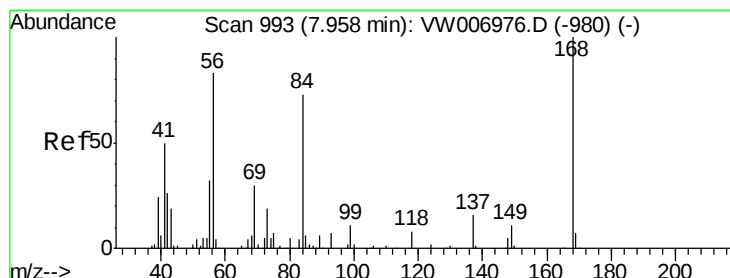
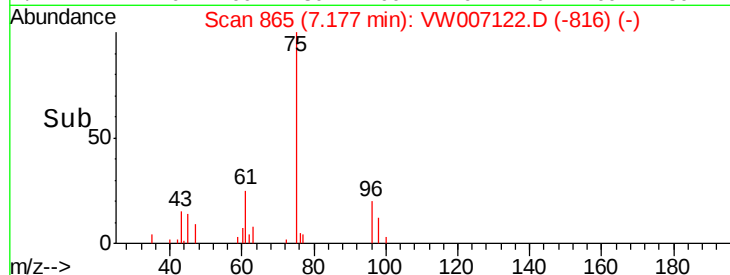
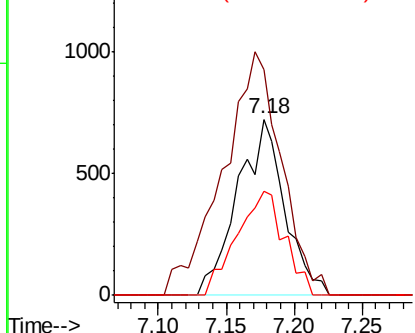
cis-1,2-Dichloroethene
 Concen: 6.958 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW007122.D
 Acq: 28 Nov 2018 18:57

Instrument :
 MSVOA_W
 ClientSampleId :
 S49-0490RE

Tot Ion	Ratio	Lower	Upper
96	100		
61	171.6	0.0	292.6
98	59.8	0.0	129.8



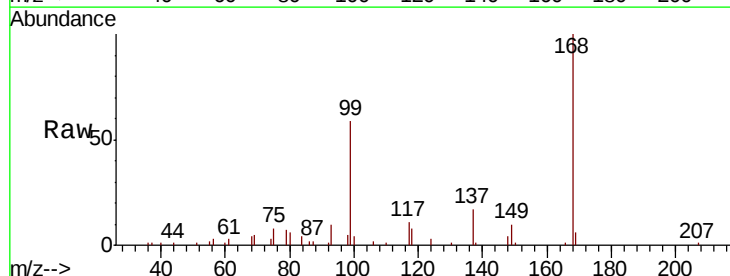
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



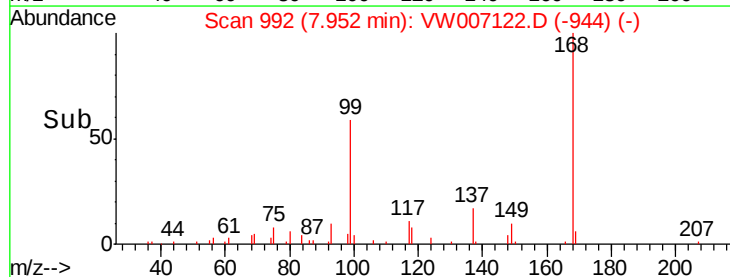
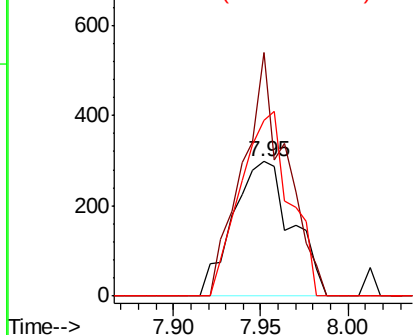
#31

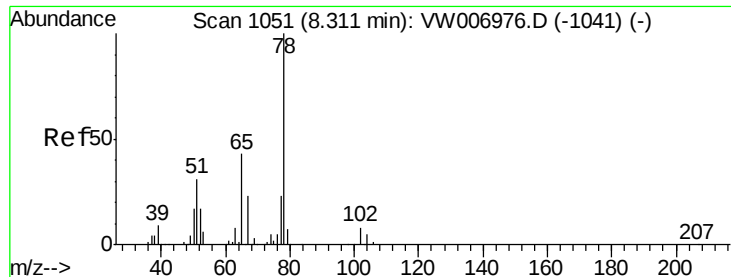
Cyclohexane
 Concen: 1.676 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VW007122.D
 Acq: 28 Nov 2018 18:57

Tgt Ion	Ratio	Lower	Upper
56	100		
69	180.9	29.1	43.7#
84	130.5	70.6	105.8#



Abundance Ion 56.00 (55.70 to 56.70): VW
 Ion 69.00 (68.70 to 69.70): VW
 Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 60.978 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW007122.D

Acq: 28 Nov 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

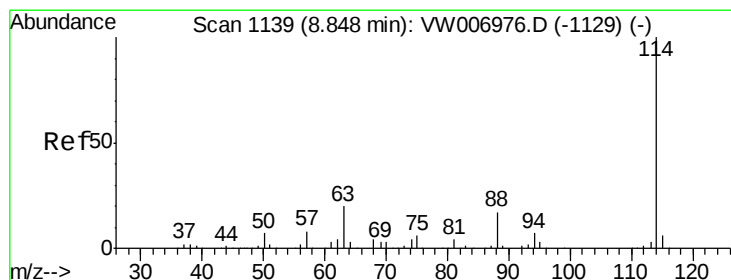
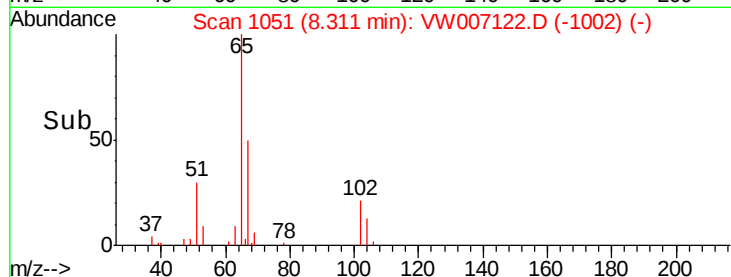
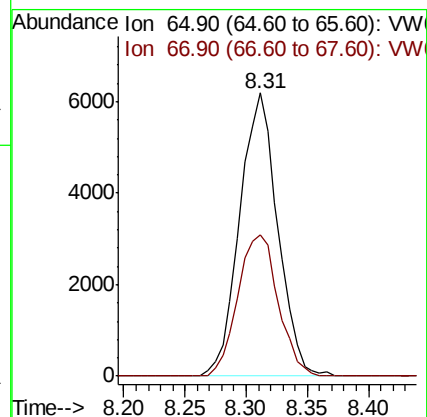
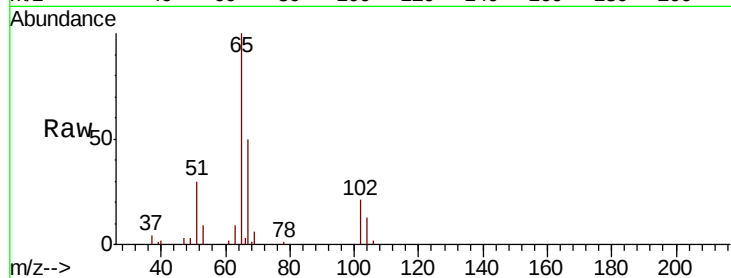
S49-0490RE

Tot Ion: 65 Resp: 13335

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW007122.D

Acq: 28 Nov 2018 18:57

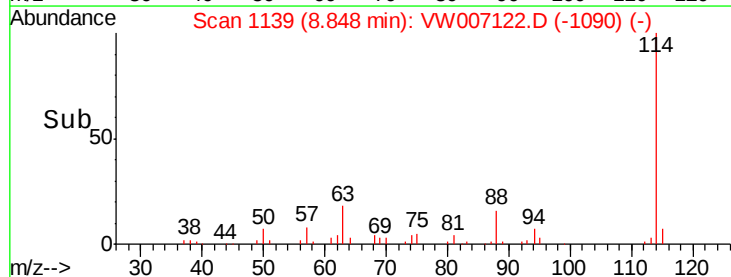
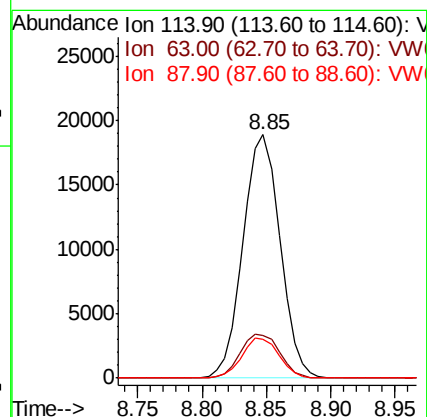
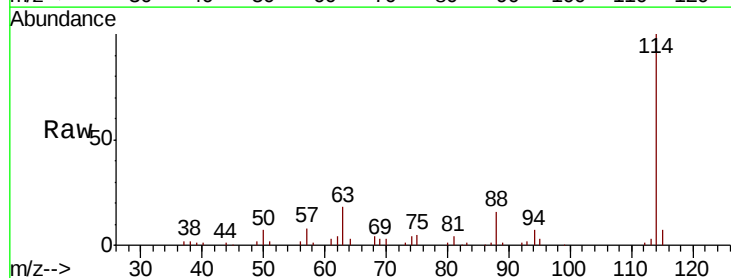
Tgt Ion: 114 Resp: 37812

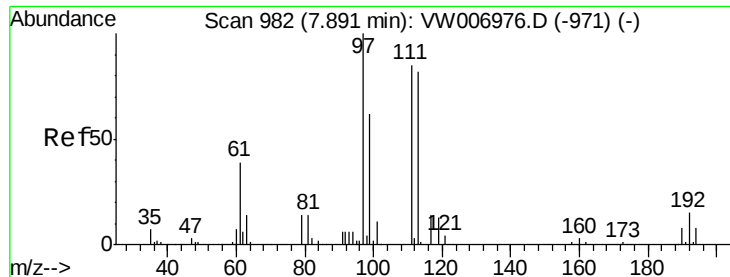
Ion Ratio Lower Upper

114 100

63 17.8 0.0 39.4

88 15.7 0.0 34.2





#35

Dibromofluoromethane

Concen: 19.543 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW007122.D

Acq: 28 Nov 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

S49-0490RE

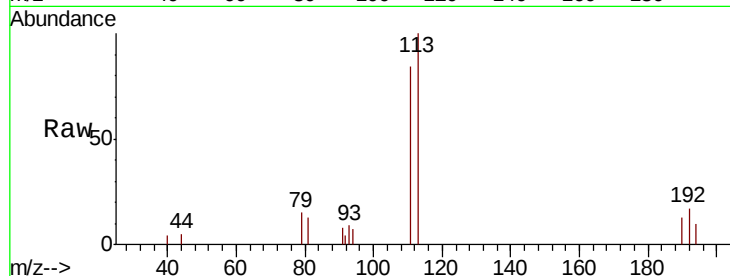
Tot Ion:113 Resp: 4173

Ion Ratio Lower Upper

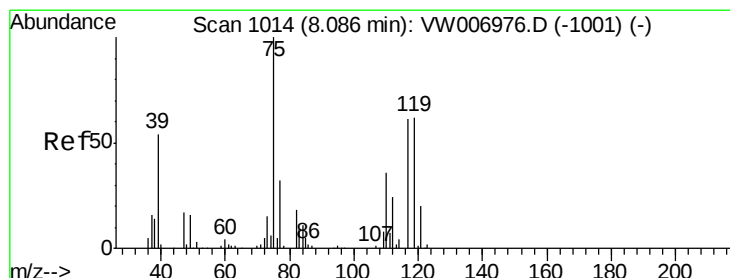
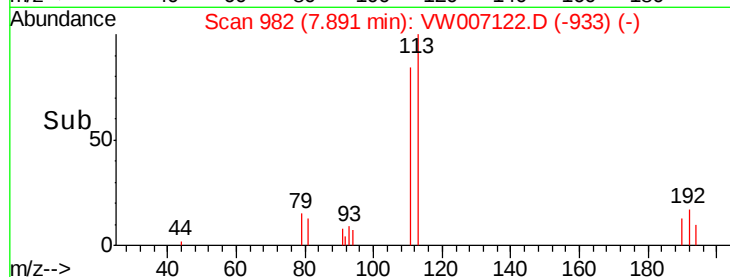
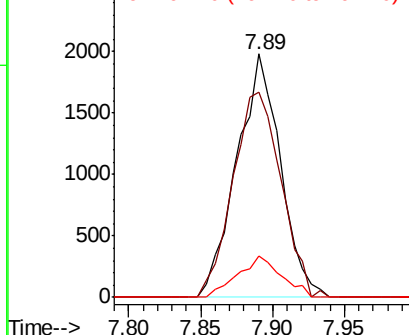
113 100

111 93.2 81.0 121.6

192 17.0 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.620 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007122.D

Acq: 28 Nov 2018 18:57

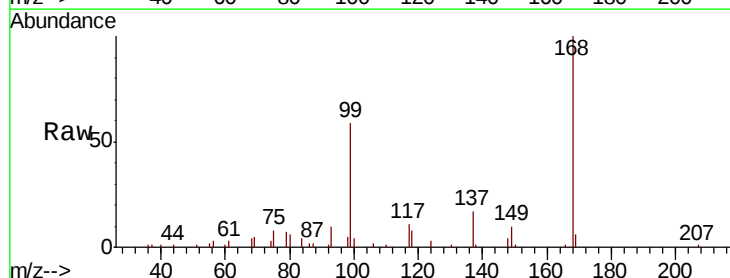
Tgt Ion: 75 Resp: 1707

Ion Ratio Lower Upper

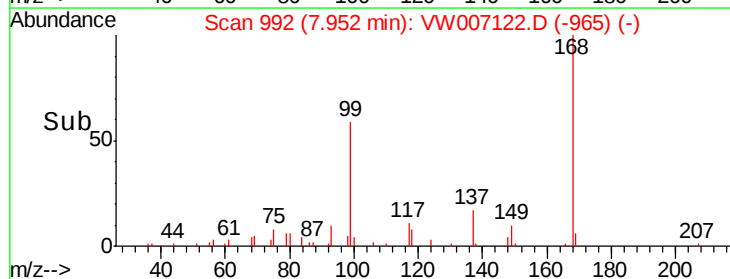
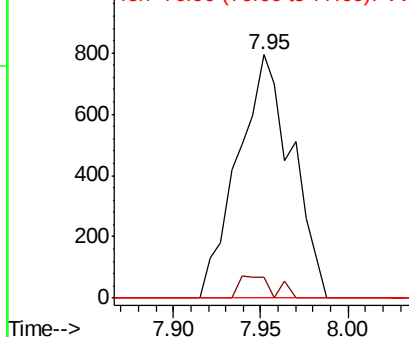
75 100

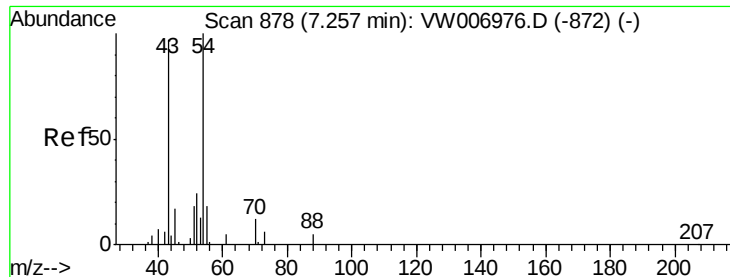
110 5.7 18.0 54.0#

77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 20.239 ug/l

RT: 7.19 min Scan# 867

Delta R.T. -0.07 min

Lab File: VW007122.D

Acq: 28 Nov 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

S49-0490RE

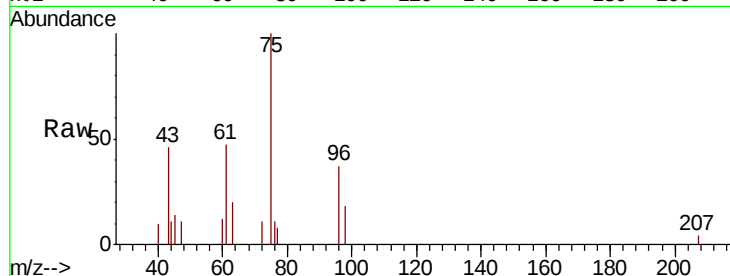
Tot Ion: 43 Resp: 2710

Ion Ratio Lower Upper

43 100

61 110.5 10.4 15.6#

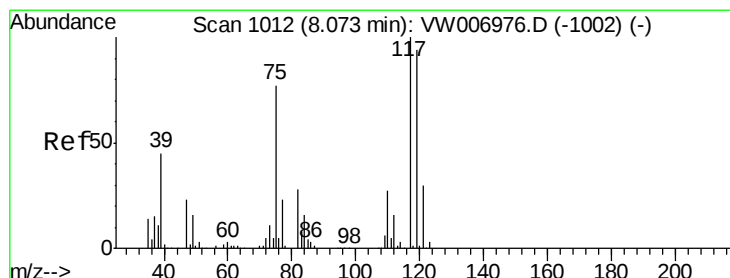
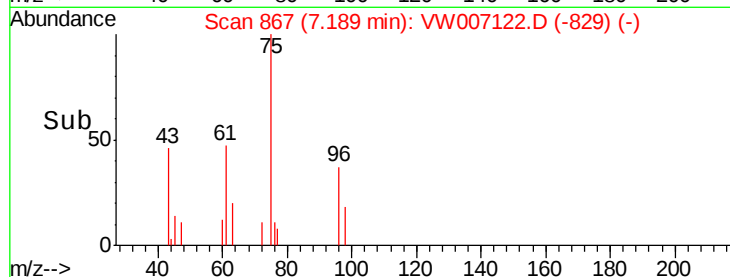
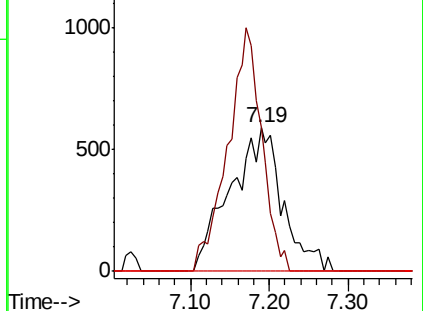
70 0.0 8.8 13.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.551 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007122.D

Acq: 28 Nov 2018 18:57

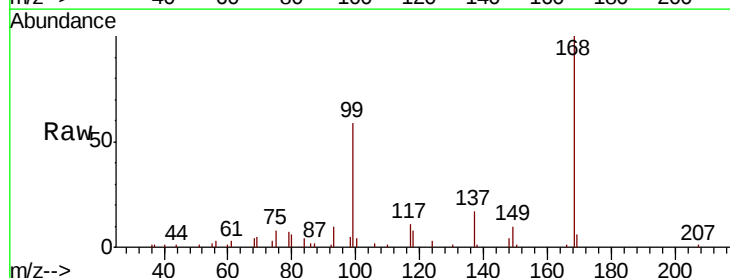
Tgt Ion: 117 Resp: 2318

Ion Ratio Lower Upper

117 100

119 0.0 74.9 112.3#

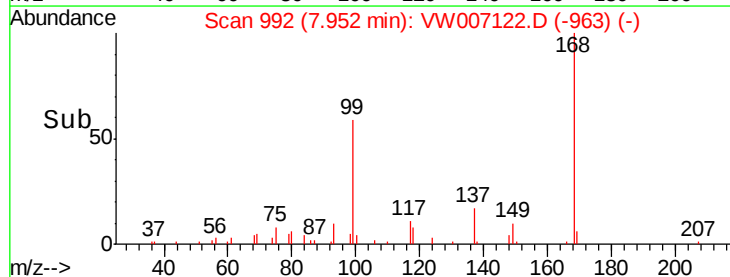
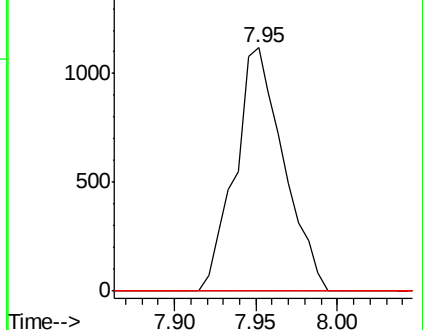
121 0.0 23.6 35.4#

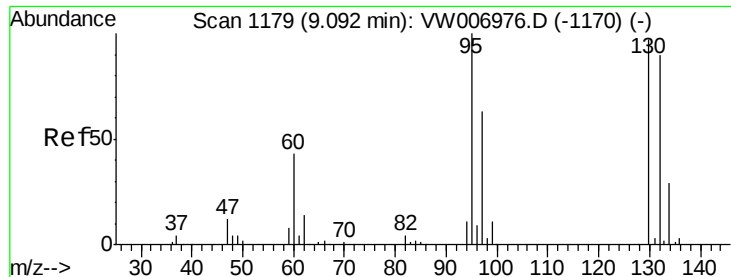


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 36.731 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW007122.D

Acq: 28 Nov 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

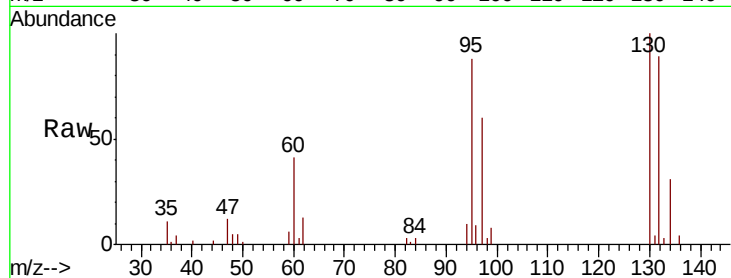
S49-0490RE

Tot Ion:130 Resp: 10270

Ion Ratio Lower Upper

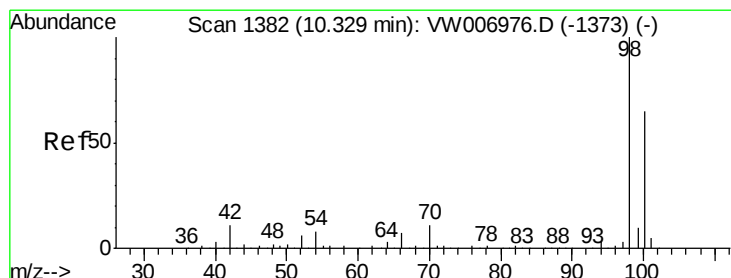
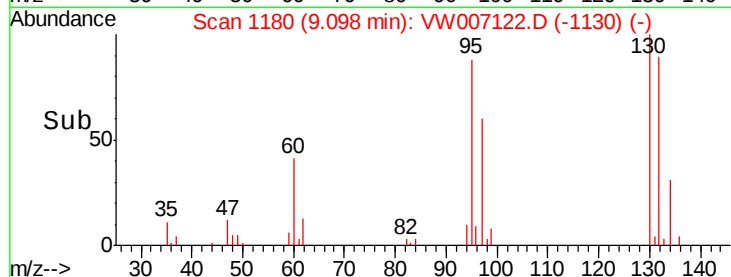
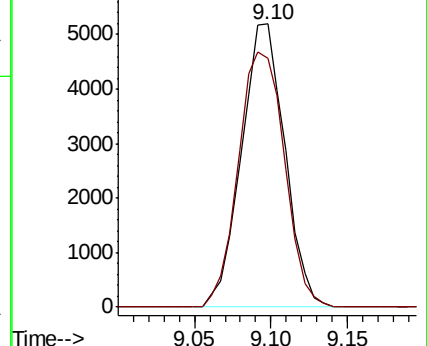
130 100

95 88.0 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#50

Toluene-d8

Concen: 10.625 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW007122.D

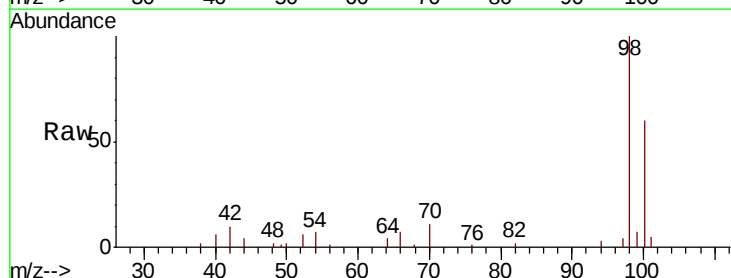
Acq: 28 Nov 2018 18:57

Tgt Ion: 98 Resp: 10019

Ion Ratio Lower Upper

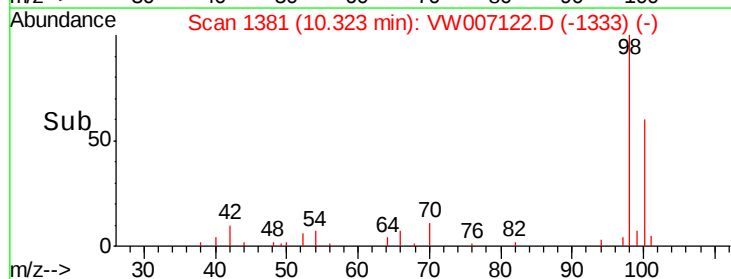
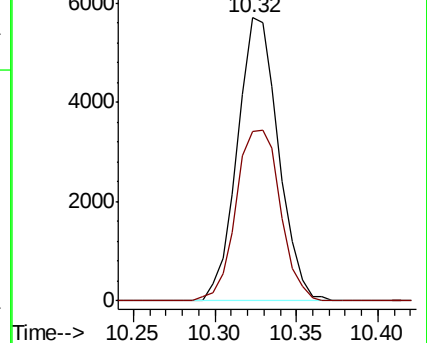
98 100

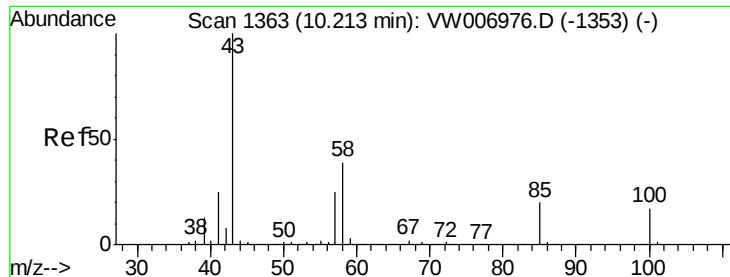
100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 5.522 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW007122.D

Acq: 28 Nov 2018 18:57

Instrument :

MSVOA_W

ClientSampled :

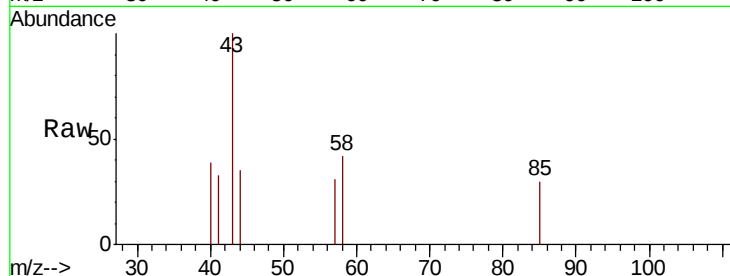
S49-0490RE

Tot Ion: 43 Resp: 712

Ion Ratio Lower Upper

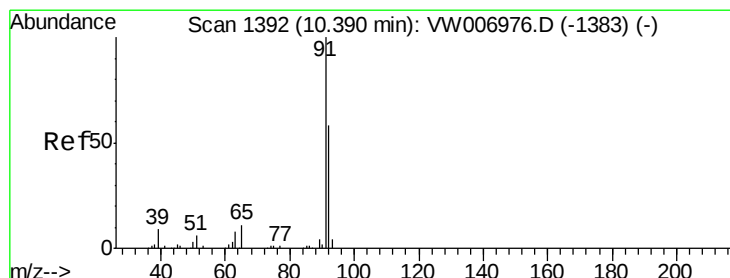
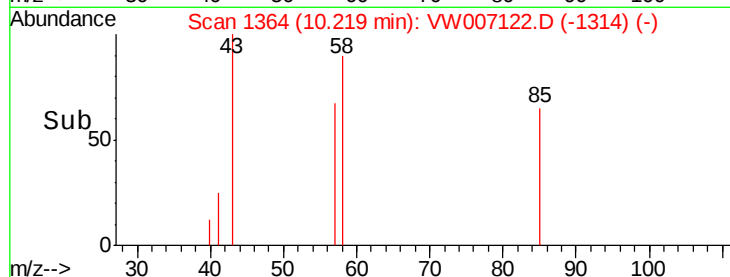
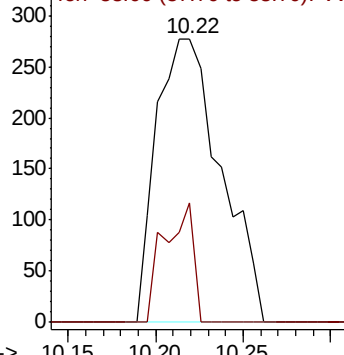
43 100

58 19.0 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 1.005 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007122.D

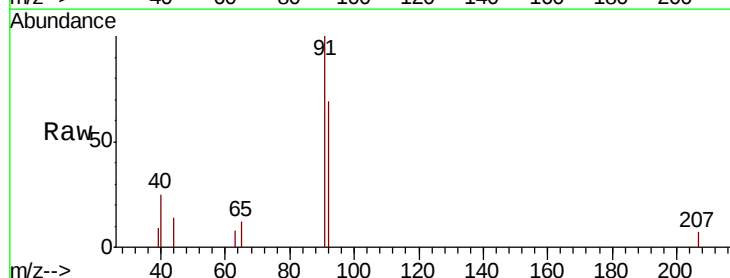
Acq: 28 Nov 2018 18:57

Tgt Ion: 92 Resp: 682

Ion Ratio Lower Upper

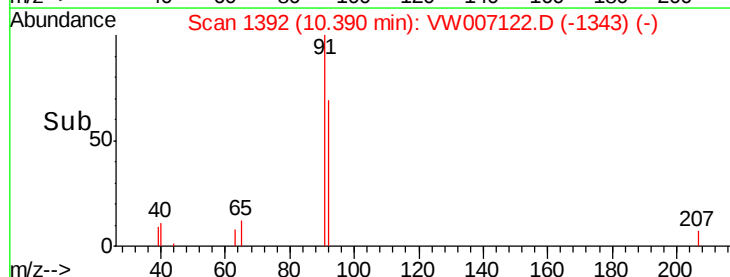
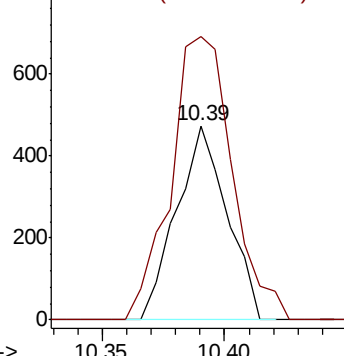
92 100

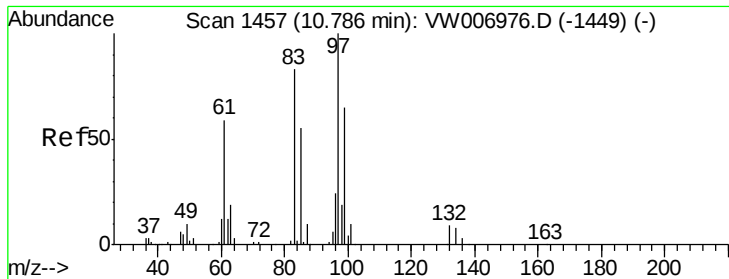
91 177.6 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

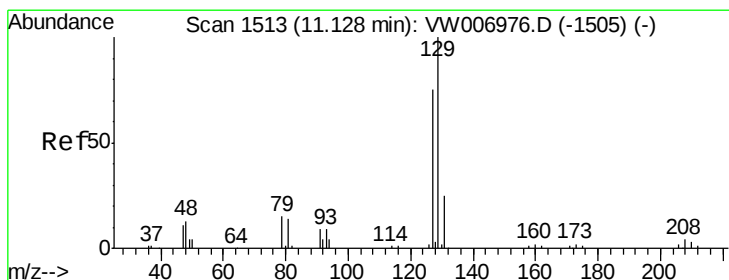
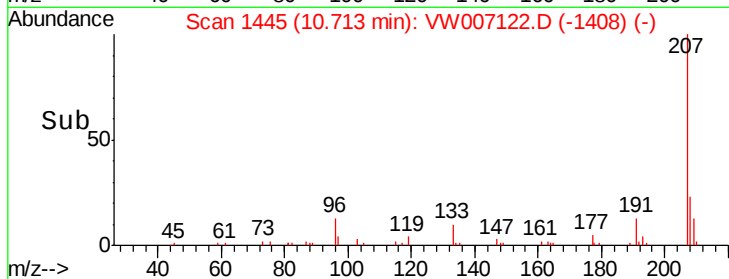
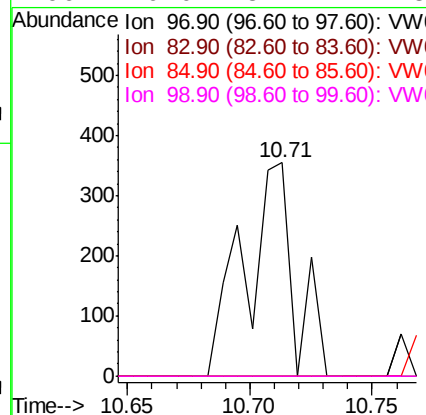
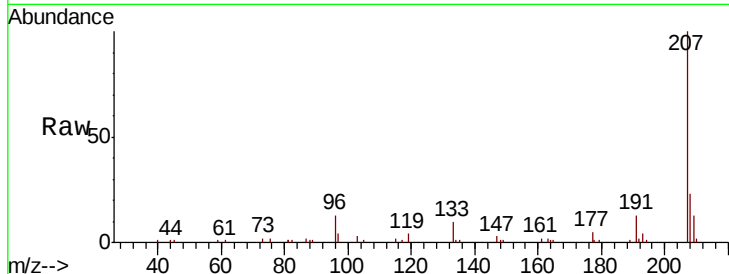




#55
 1,1,2-Trichloroethane
 Concen: 2.788 ug/l
 RT: 10.71 min Scan# 1445
 Delta R.T. -0.07 min
 Lab File: VW007122.D
 Acq: 28 Nov 2018 18:57

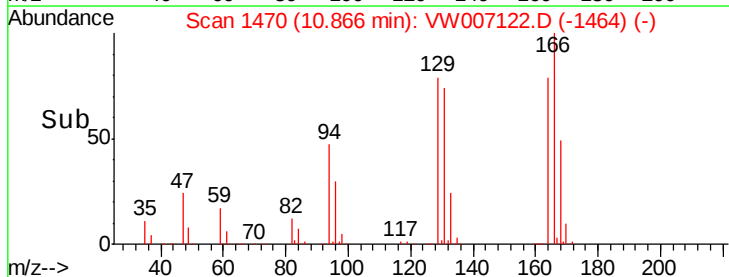
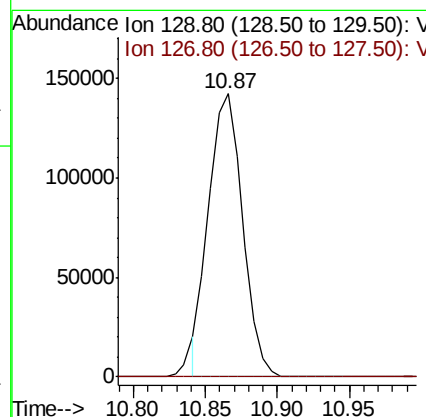
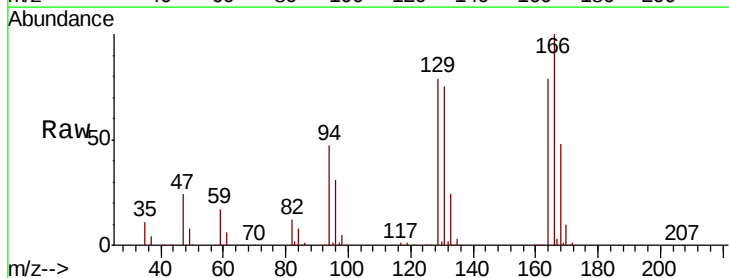
Instrument :
 MSVOA_W
 ClientSampleId :
 S49-0490RE

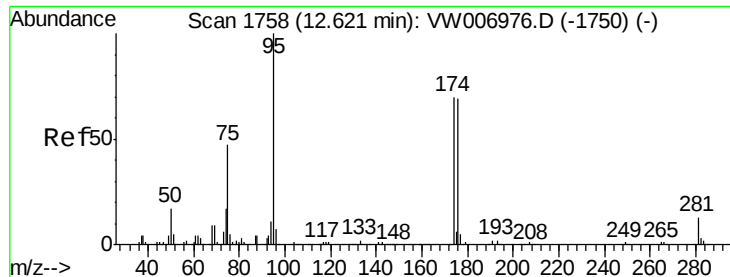
Tot Ion:	97	Resp:	505
Ion	Ratio	Lower	Upper
97	100		
83	0.0	66.4	99.6#
85	0.0	44.1	66.1#
99	0.0	51.7	77.5#



#60
 Dibromochloromethane
 Concen: 1130.873 ug/l
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.26 min
 Lab File: VW007122.D
 Acq: 28 Nov 2018 18:57

Tgt Ion:	129	Resp:	233432
Ion	Ratio	Lower	Upper
129	100		
127	0.1	38.3	114.8#

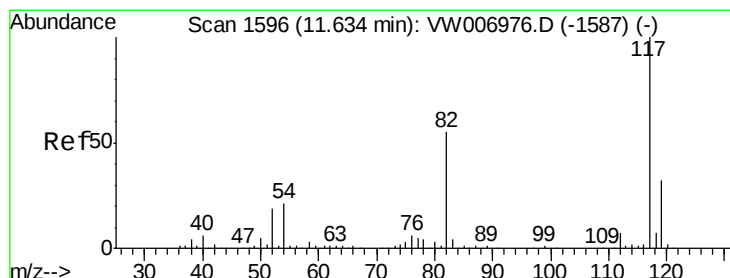
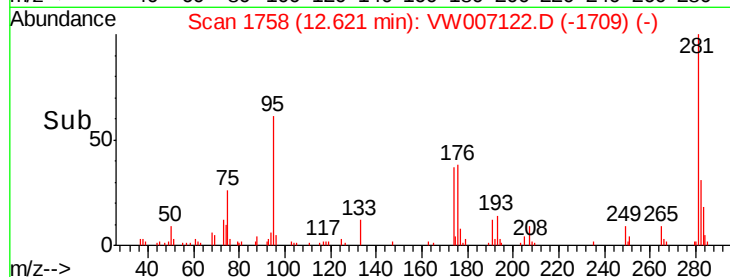
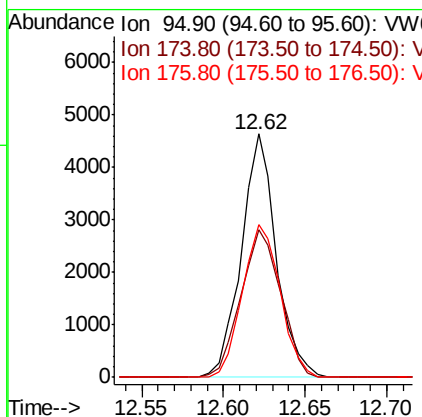
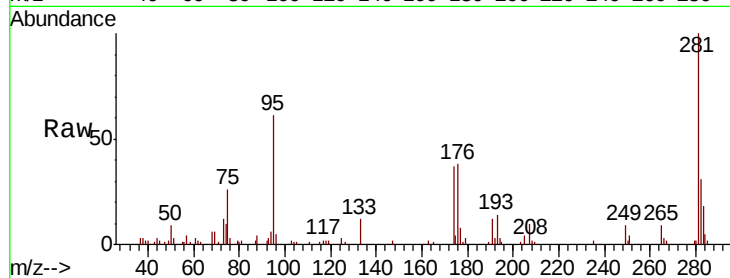




#62
4-Bromofluorobenzene
Concen: 18.665 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007122.D
Acq: 28 Nov 2018 18:57

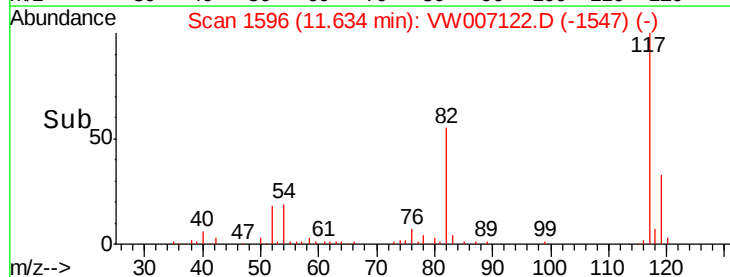
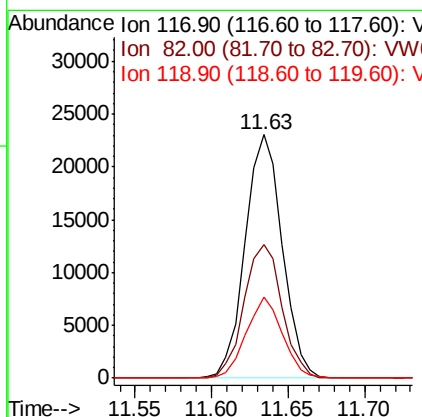
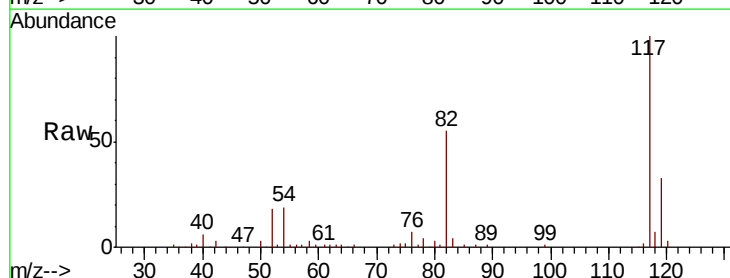
Instrument :
MSVOA_W
ClientSampleId :
S49-0490RE

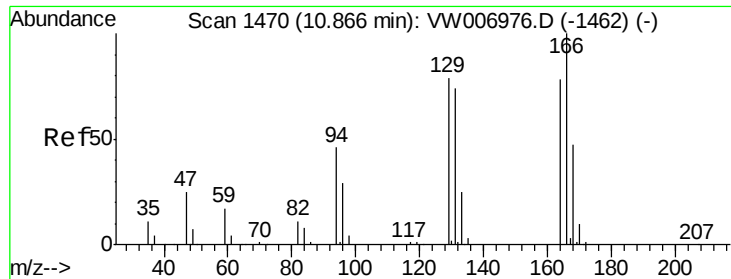
Tot Ion	95	Resp	6926
Ion Ratio	Lower	Upper	
95	100		
174	69.0	0.0	143.6
176	67.7	0.0	140.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007122.D
Acq: 28 Nov 2018 18:57

Tgt Ion	117	Resp	38835
Ion Ratio	Lower	Upper	
117	100		
82	54.6	44.2	66.2
119	33.3	25.9	38.9





#64

Tetrachloroethene

Concen: 965.148 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW007122.D

Acq: 28 Nov 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

S49-0490RE

Tot Ion:164 Resp: 241127

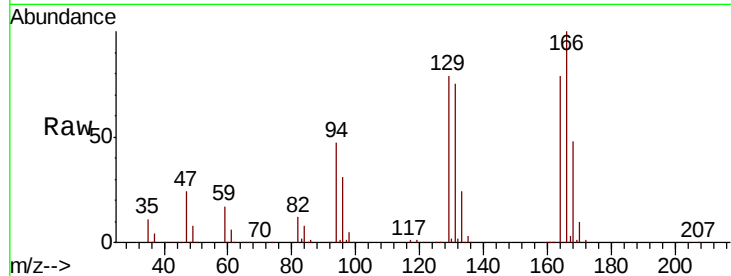
Ion Ratio Lower Upper

164 100

166 126.8 102.1 153.1

129 100.1 80.4 120.6

131 94.5 75.2 112.8

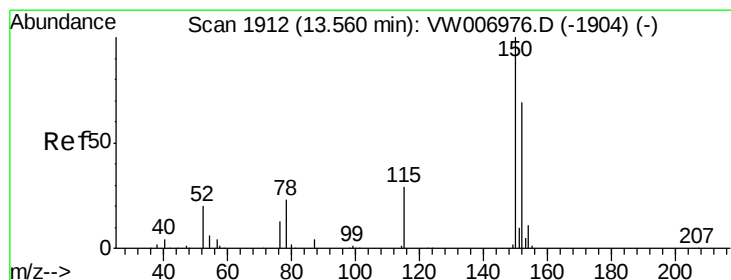
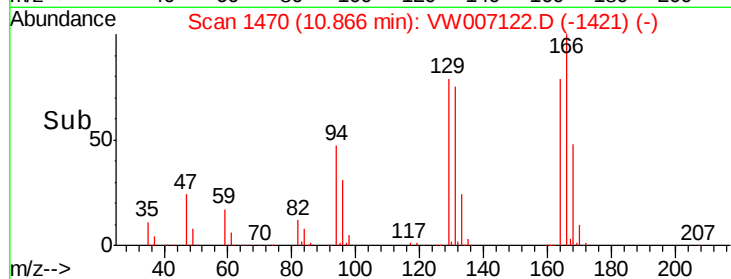
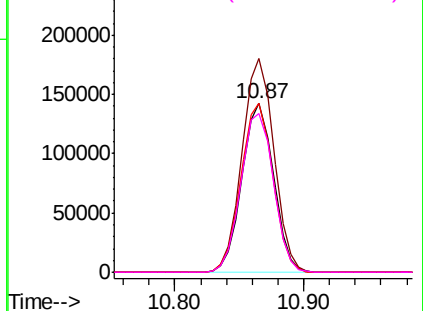


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007122.D

Acq: 28 Nov 2018 18:57

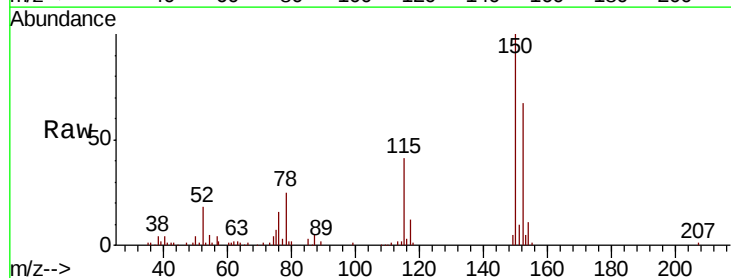
Tgt Ion:152 Resp: 19832

Ion Ratio Lower Upper

152 100

115 61.7 31.4 94.2

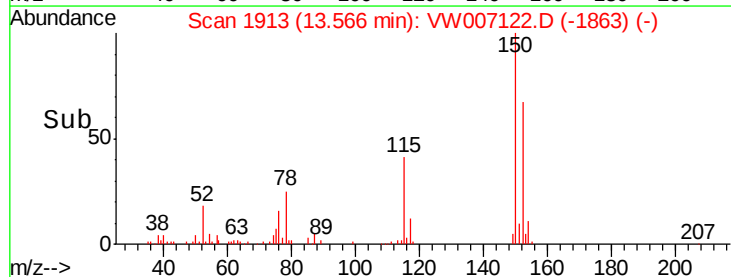
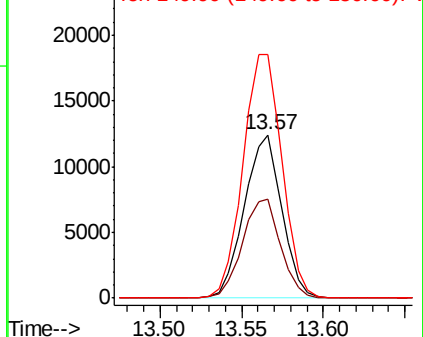
150 155.4 0.0 353.4

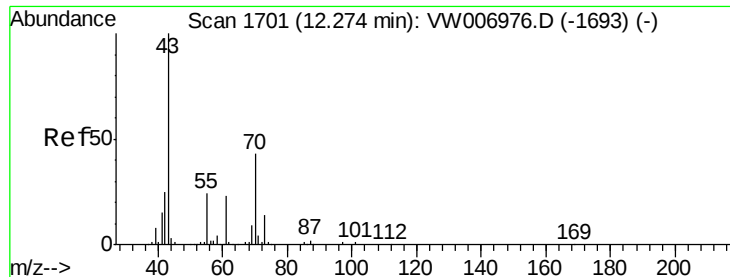


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

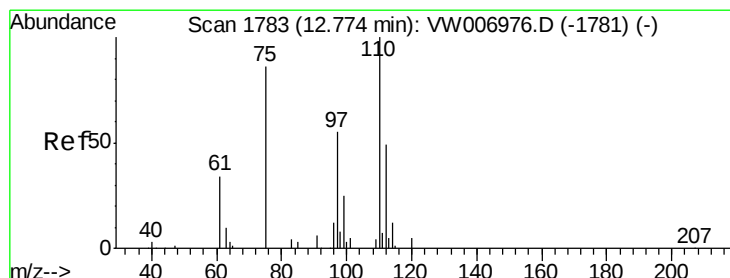
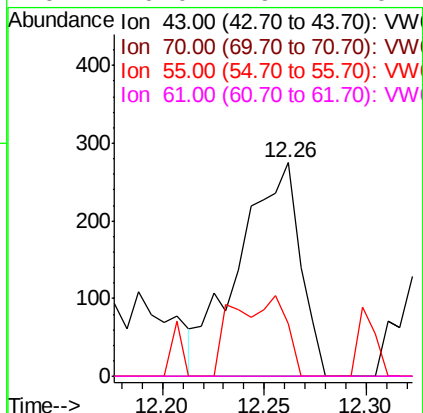
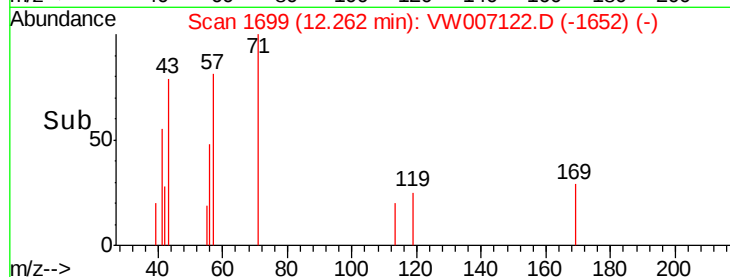
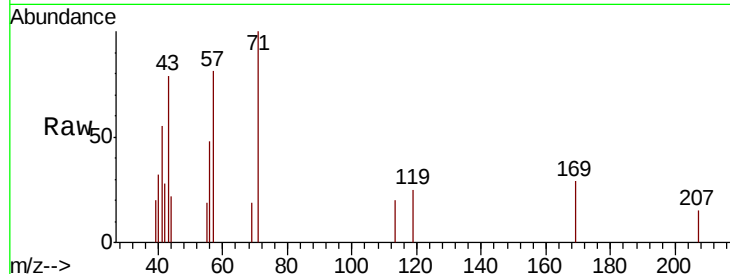




#74
N-amvl acetate
Concen: 2.218 ug/l
RT: 12.26 min Scan# 1699
Delta R.T. -0.01 min
Lab File: VW007122.D
Acq: 28 Nov 2018 18:57

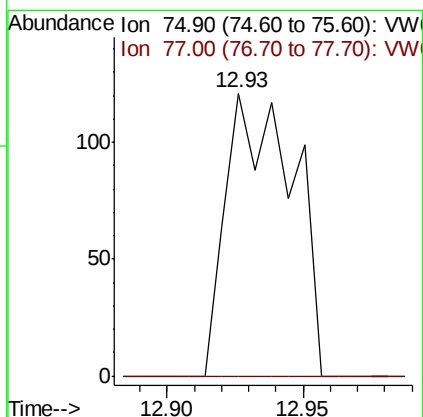
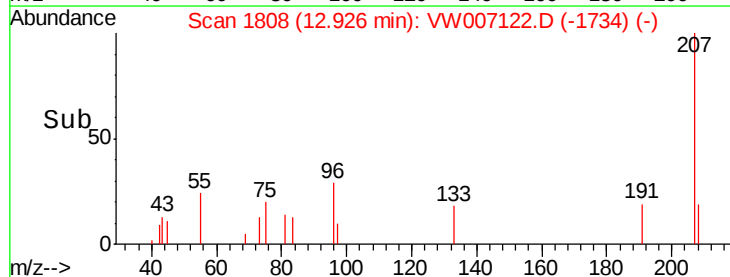
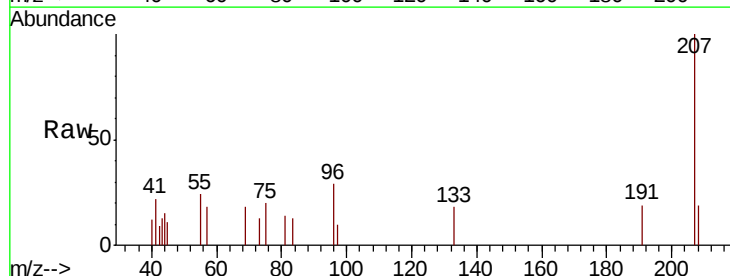
Instrument :
MSVOA_W
ClientSampleId :
S49-0490RE

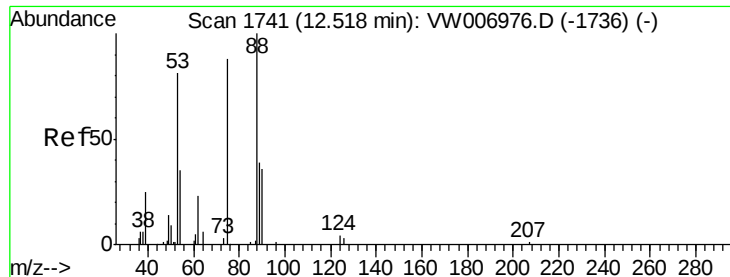
Tot Ion: 43 Resp: 573
Ion Ratio Lower Upper
43 100
70 0.0 34.0 51.0#
55 0.0 19.4 29.0#
61 0.0 19.4 29.2#



#76
1,2,3-Trichloropropane
Concen: 1.328 ug/l
RT: 12.93 min Scan# 1808
Delta R.T. 0.15 min
Lab File: VW007122.D
Acq: 28 Nov 2018 18:57

Tgt Ion: 75 Resp: 207
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81

trans-1,4-Dichloro-2-butene

Concen: 54.227 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007122.D

Acq: 28 Nov 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

S49-0490RE

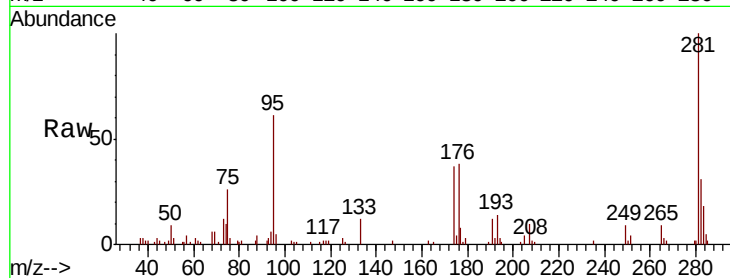
Tot Ion: 75 Resp: 3366

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 1.8 39.3 58.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

