

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008900.D
 Acq On : 28 Feb 2019 20:57
 Operator : SY/VA
 Sample : K1638-04RE
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PE-4(NORTH-SITE-WALL)RE

Quant Time: Mar 01 06:03:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	4894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	6453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	4984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	946	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	2972	64.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.50%	
35) Dibromofluoromethane	7.89	113	2286	59.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.00%	
50) Toluene-d8	10.32	98	7730	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.62	95	1351	23.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.14%	

Target Compounds

						Qvalue
3) Chloromethane	2.21	50	337	5.648	ug/l #	83
5) Bromomethane	2.76	94	82	1.748	ug/l #	4
6) Chloroethane	2.93	64	148	3.299	ug/l #	43
8) Diethyl Ether	3.73	74	26	1.028	ug/l #	31
11) Tert butyl alcohol	5.18	59	65	15.906	ug/l #	1
12) 1,1-Dichloroethene	3.99	96	104	2.427	ug/l #	1
13) Acrolein	3.90	56	19	23.839	ug/l #	1
14) Allyl chloride	4.67	41	188	2.542	ug/l #	20
15) Acrylonitrile	5.37	53	42	3.869	ug/l #	30
16) Acetone	4.12	43	318	29.888	ug/l #	75
18) Methyl Acetate	4.67	43	88	3.487	ug/l #	1
19) Methyl tert-butyl Ether	5.35	73	122	1.052	ug/l #	55
20) Methylene Chloride	4.93	84	643	7.974	ug/l #	68
21) trans-1,2-Dichloroethene	5.42	96	76	1.533	ug/l #	1
22) Diisopropyl ether	6.31	45	183	1.240	ug/l #	26
25) 2-Butanone	7.18	43	19	1.277	ug/l #	51
28) Bromochloromethane	7.49	49	194	5.423	ug/l #	13
29) Tetrahydrofuran	7.52	42	96	10.127	ug/l #	41
37) Ethyl Acetate	7.27	43	146	4.998	ug/l #	77
38) Carbon Tetrachloride	7.95	117	440	6.642	ug/l #	12
41) Methacrylonitrile	7.51	41	195	11.357	ug/l #	21
43) Isopropyl Acetate	8.41	43	167	2.865	ug/l #	69
48) Methyl methacrylate	9.43	41	268	9.598	ug/l #	54
49) 1,4-Dioxane	9.43	88	56	148.336	ug/l #	1
51) 4-Methyl-2-Pentanone	10.27	43	210	7.095	ug/l	90
55) 1,1,2-Trichloroethane	10.82	97	91	2.846	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.94	63	45	2.154	ug/l #	45
59) 2-Hexanone	10.98	43	80	3.797	ug/l	95
61) 1,2-Dibromoethane	11.28	107	46	1.454	ug/l #	2
64) Tetrachloroethene	10.92	164	40	1.121	ug/l #	1
74) N-amyl acetate	12.26	43	107	6.550	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.71	83	48	4.530	ug/l #	25
76) 1,2,3-Trichloropropane	12.62	75	960	122.912	ug/l #	100
77) Bromobenzene	12.81	156	55	3.589	ug/l #	1

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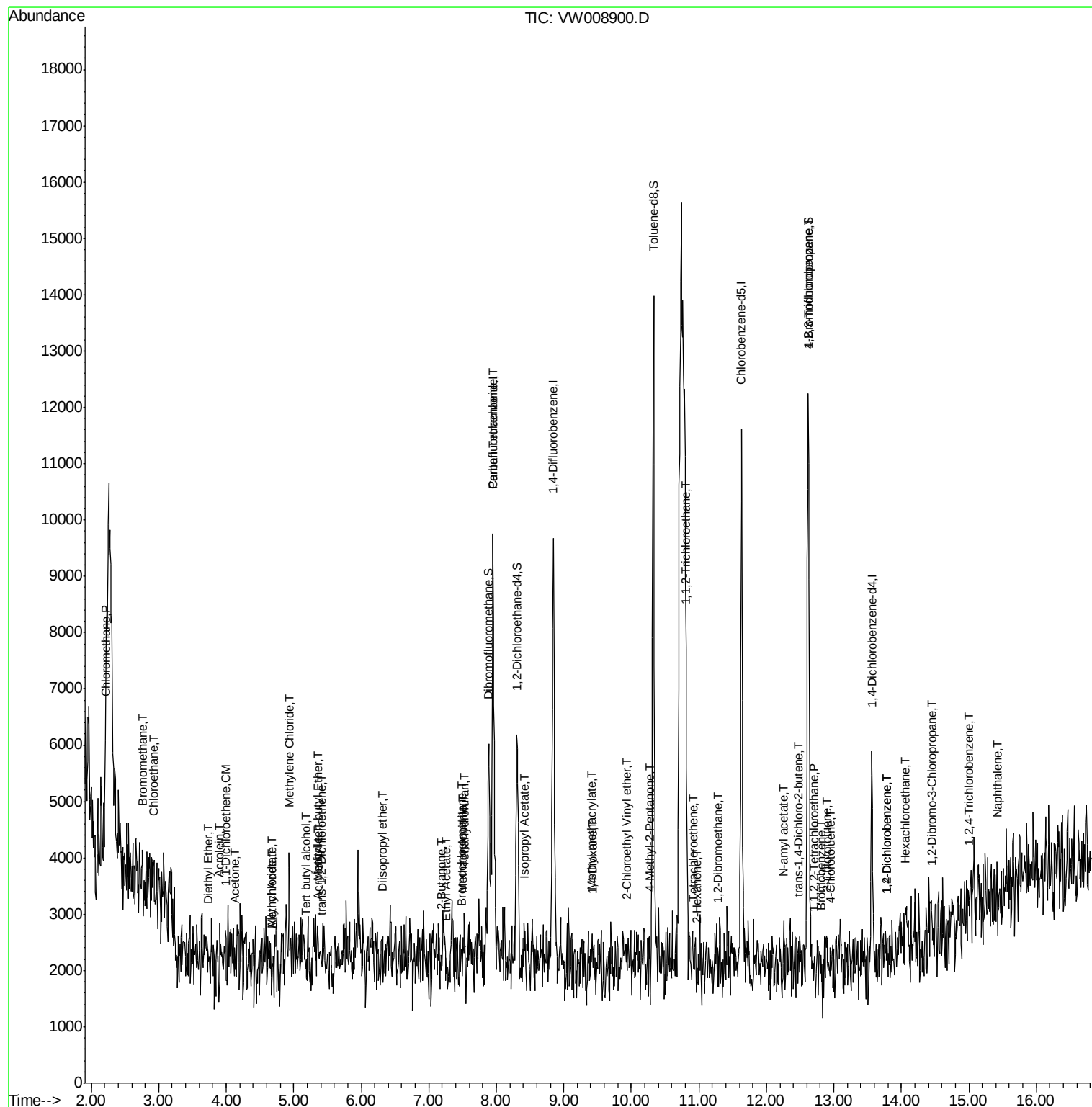
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.90	91	84	1.865	uq/l #	41
81) trans-1,4-Dichloro-2-buten	12.48	75	63	19.609	uq/l #	43
82) 4-Chlorotoluene	12.95	91	56	1.180	uq/l #	40
88) 1,4-Dichlorobenzene	13.79	146	35	1.117	uq/l #	25
90) Hexachloroethane	14.07	117	99	9.415	uq/l #	9
91) 1,2-Dichlorobenzene	13.79	146	35	1.235	uq/l #	24
92) 1,2-Dibromo-3-Chloropropan	14.46	75	25	13.042	uq/l #	1
93) 1,2,4-Trichlorobenzene	15.00	180	21	1.029	uq/l #	13
95) Naphthalene	15.41	128	52	1.496	uq/l #	69

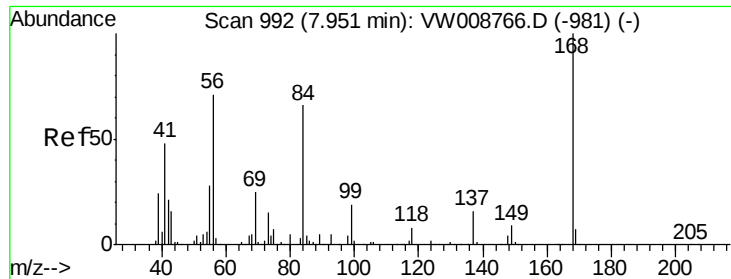
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

Instrument :

MSVOA_W

ClientSampleId :

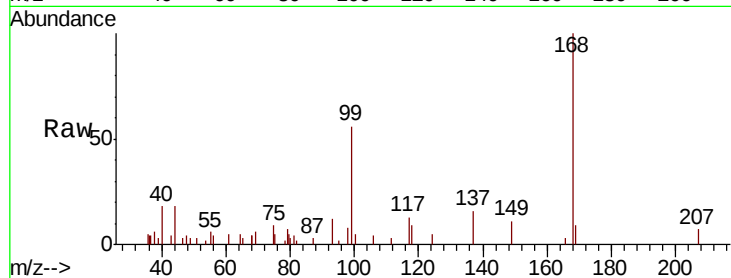
PE-4(NORTH-SITE-WALL)RE

Tot Ion:168 Resp: 4894

Ion Ratio Lower Upper

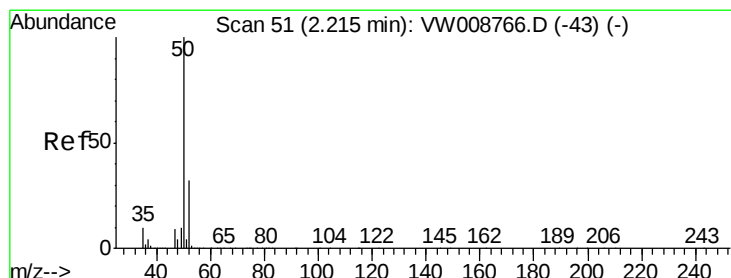
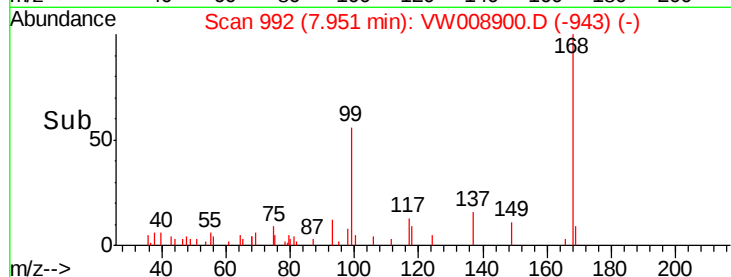
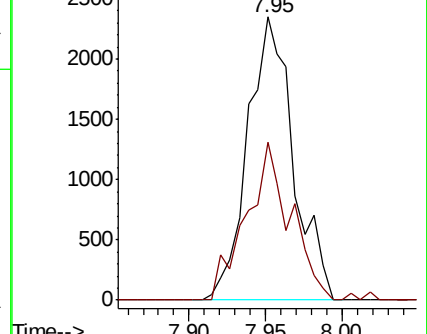
168 100

99 55.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 5.648 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008900.D

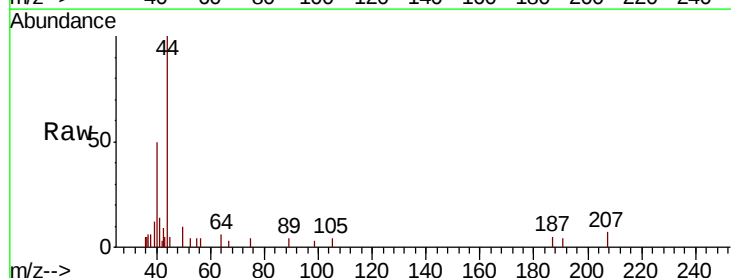
Acq: 28 Feb 2019 20:57

Tgt Ion: 50 Resp: 337

Ion Ratio Lower Upper

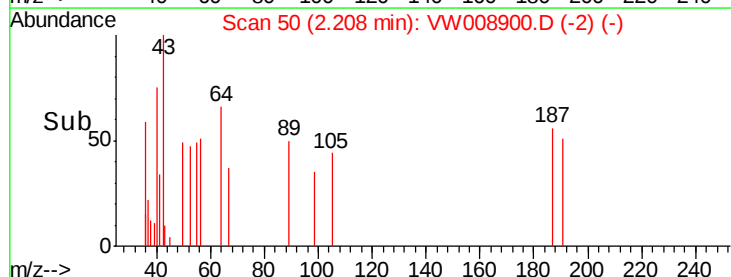
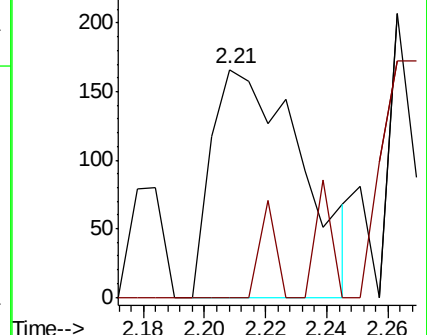
50 100

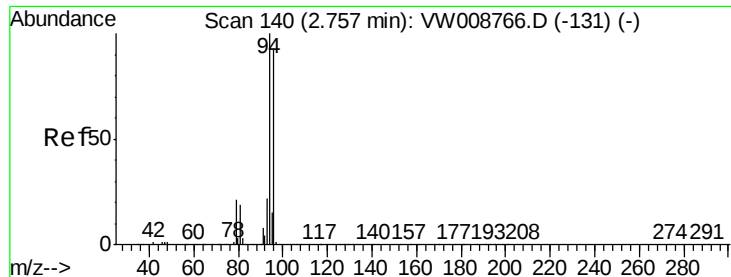
52 42.2 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#5

Bromomethane

Concen: 1.748 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.00 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

Instrument :

MSVOA_W

ClientSampleId :

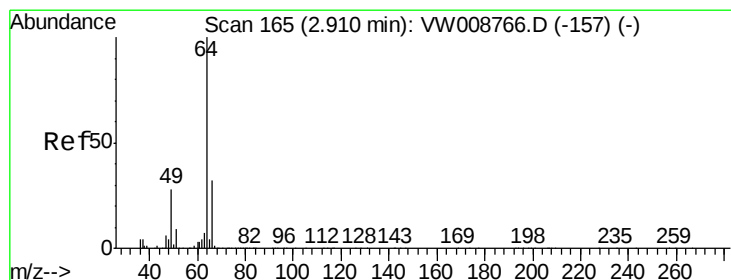
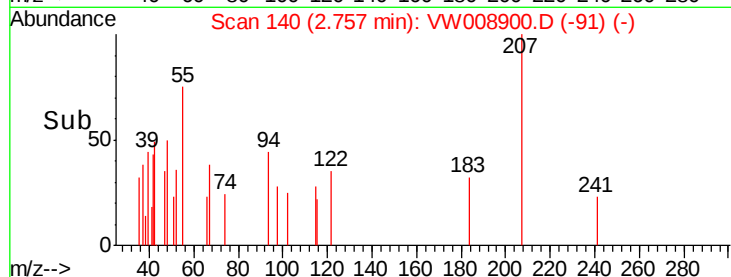
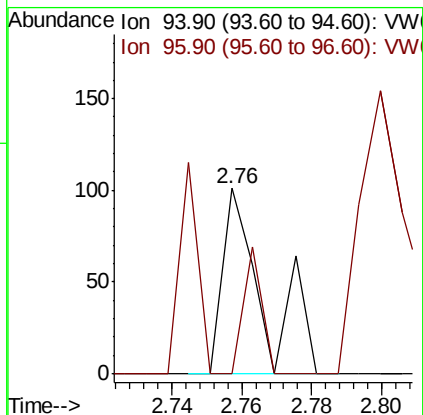
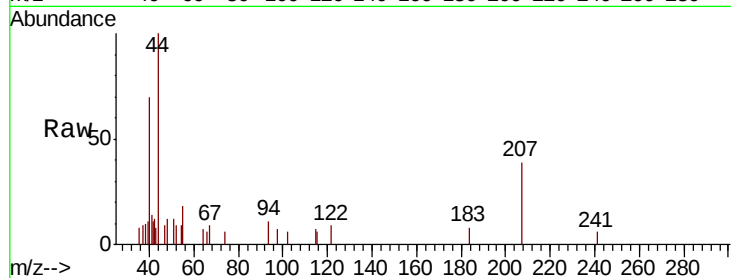
PE-4(NORTH-SITE-WALL)RE

Tot Ion: 94 Resp: 82

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.2#



#6

Chloroethane

Concen: 3.299 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.02 min

Lab File: VW008900.D

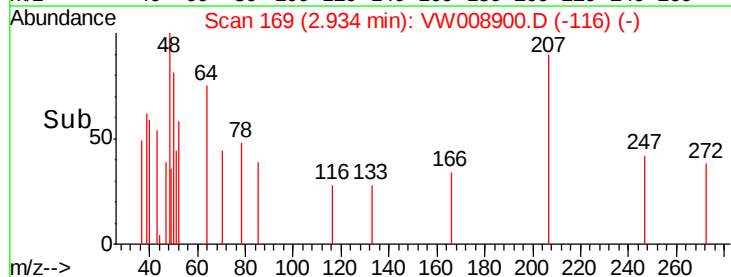
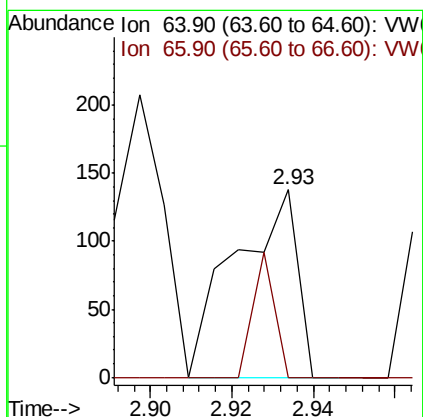
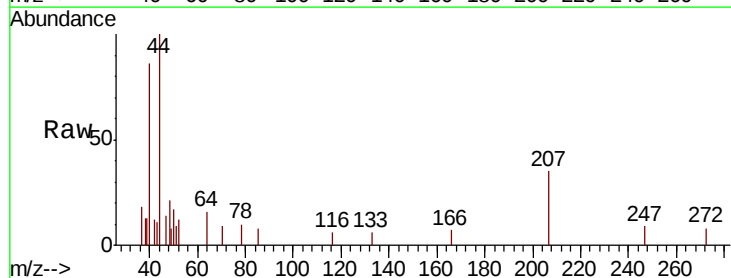
Acq: 28 Feb 2019 20:57

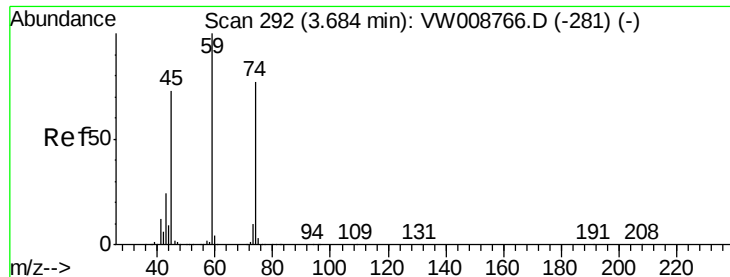
Tgt Ion: 64 Resp: 148

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#





#8

Diethyl Ether

Concen: 1.028 ug/l

RT: 3.73 min Scan# 300

Delta R.T. 0.05 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

Instrument :

MSVOA_W

ClientSampleId :

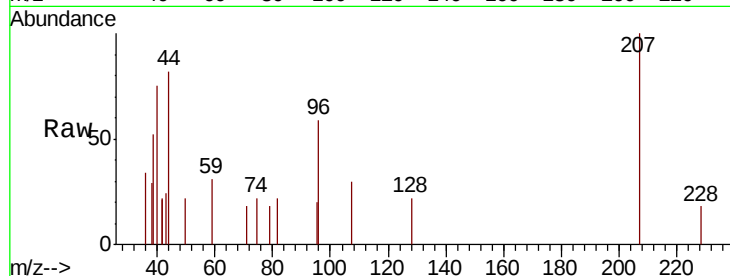
PE-4(NORTH-SITE-WALL)RE

Tot Ion: 74 Resp: 26

Ion Ratio Lower Upper

74 100

45 169.2 50.2 150.6#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.73

60

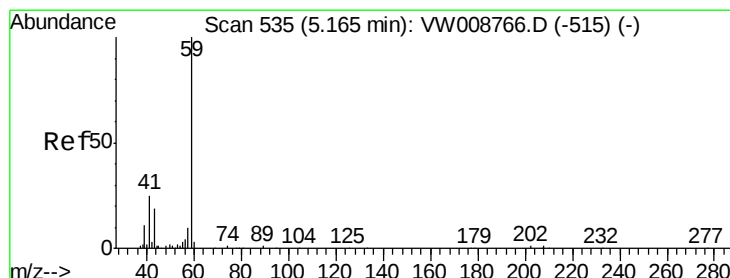
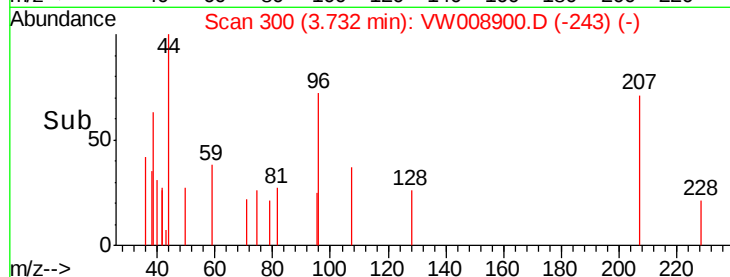
40

20

0

3.71 3.72 3.73 3.74 3.75

Time-->



#11

Tert butyl alcohol

Concen: 15.906 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.02 min

Lab File: VW008900.D

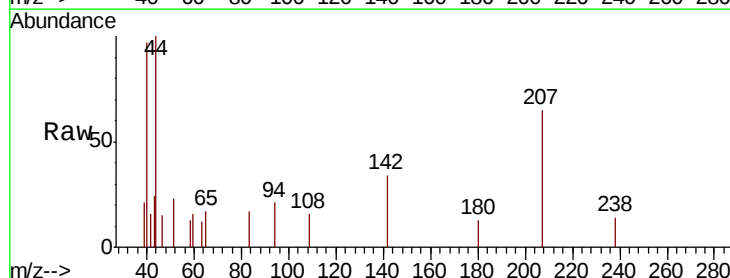
Acq: 28 Feb 2019 20:57

Tgt Ion: 59 Resp: 65

Ion Ratio Lower Upper

59 100

57 58.5 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

120

100

80

60

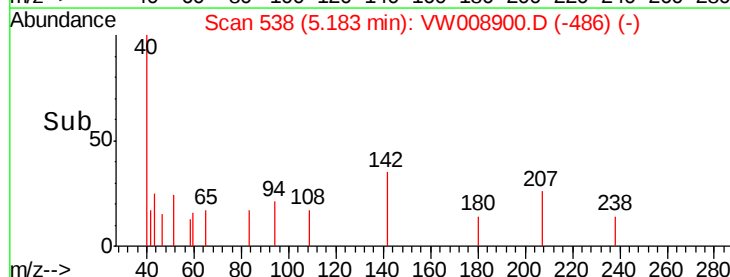
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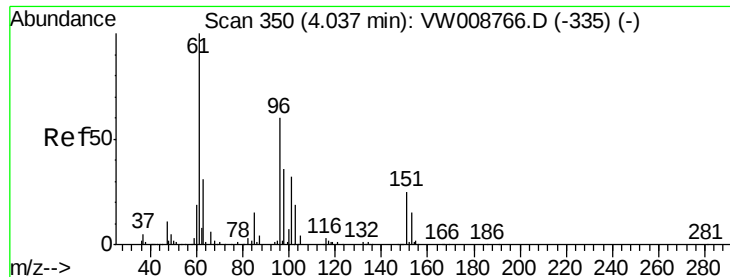
20

0

5.16 5.18 5.20

Time-->





#12

1,1-Dichloroethene

Concen: 2.427 ug/l

RT: 3.99 min Scan# 343

Delta R.T. -0.04 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

Instrument :

MSVOA_W

ClientSampleId :

PE-4(NORTH-SITE-WALL)RE

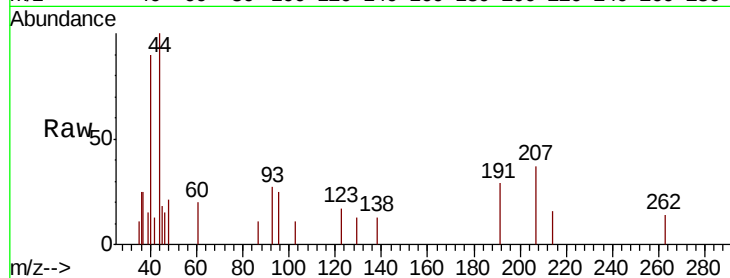
Tot Ion: 96 Resp: 104

Ion Ratio Lower Upper

96 100

61 0.0 132.5 198.7#

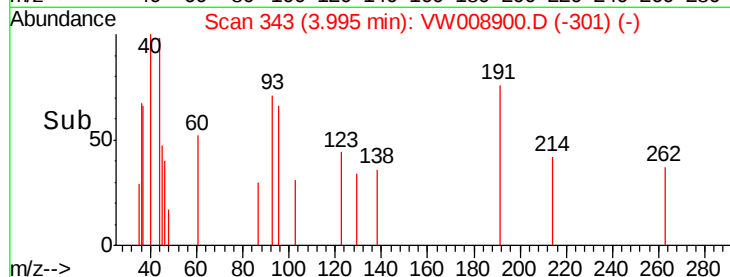
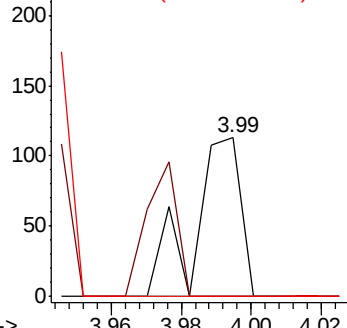
98 0.0 48.2 72.4#



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



#13

Acrolein

Concen: 23.839 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008900.D

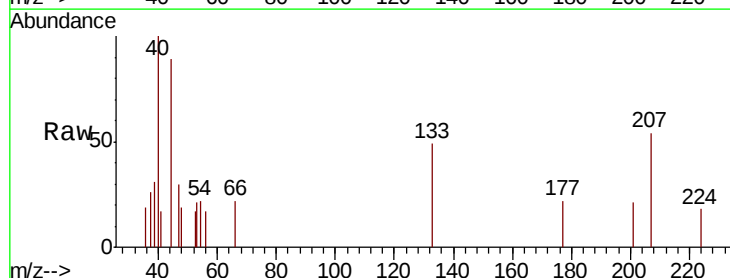
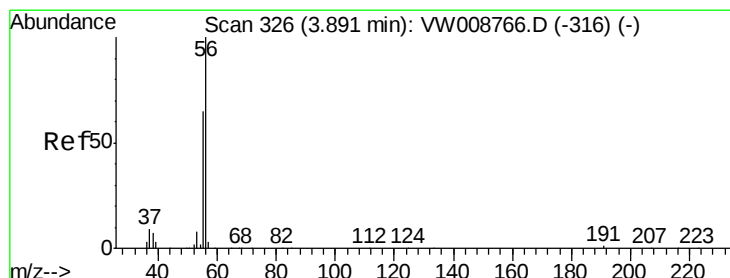
Acq: 28 Feb 2019 20:57

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

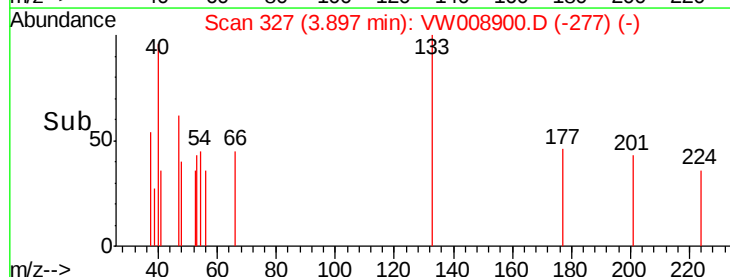
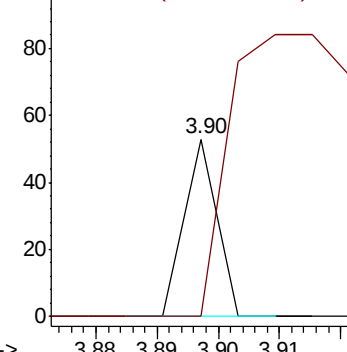
56 100

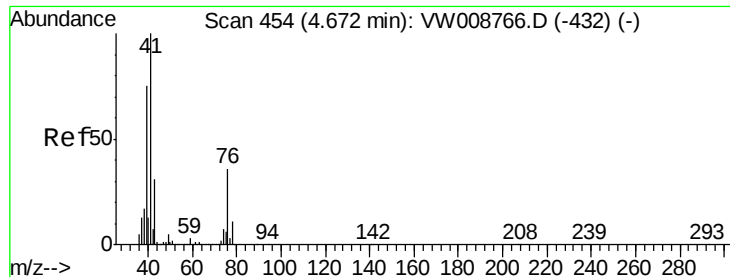
55 610.5 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#14

Allvl chloride

Concen: 2.542 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

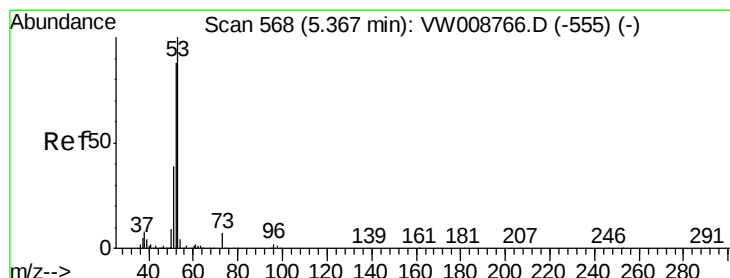
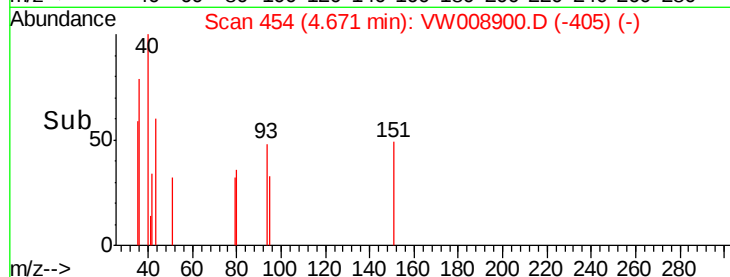
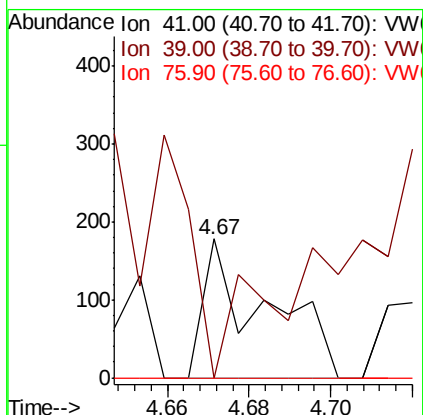
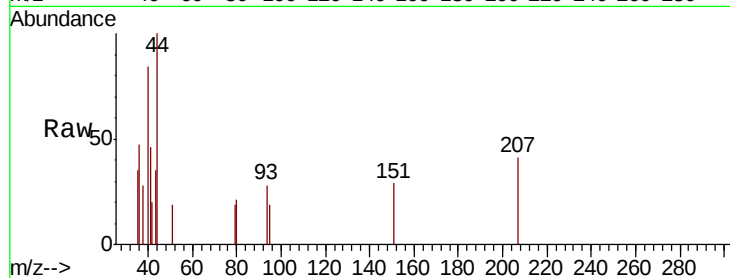
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PE-4(NORTH-SITE-WALL)RE

Tot Ion:	41	Resp:	188
Ion	Ratio	Lower	Upper
41	100		
39	0.0	60.6	91.0#
76	0.0	28.6	42.8#



#15

Acrylonitrile

Concen: 3.869 ug/l

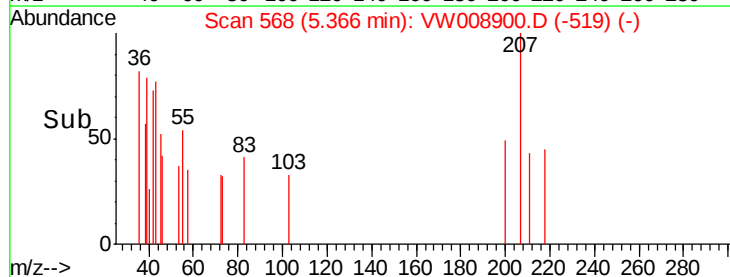
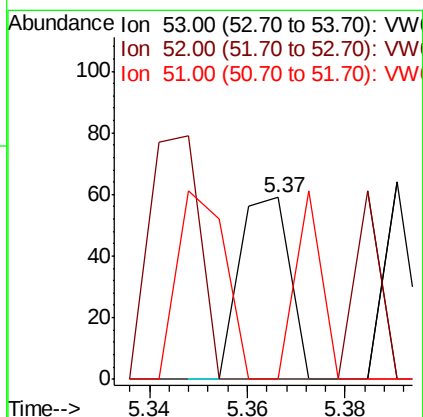
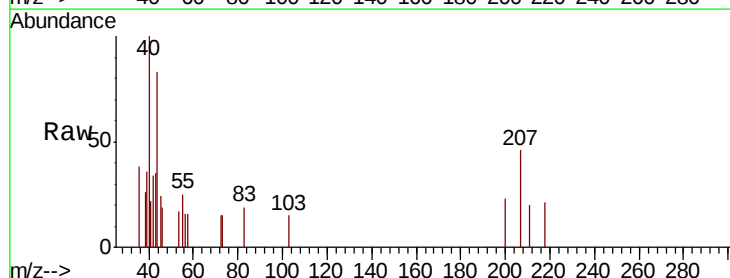
RT: 5.37 min Scan# 568

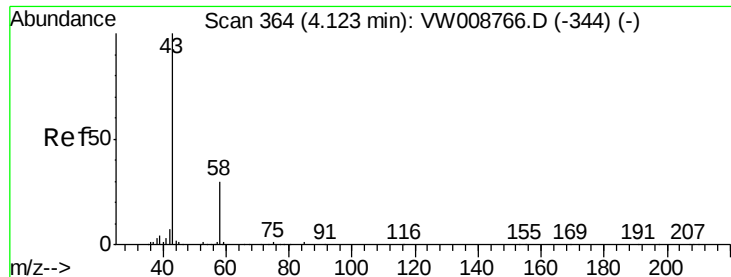
Delta R.T. -0.00 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

Tgt Ion:	53	Resp:	42
Ion	Ratio	Lower	Upper
53	100		
52	0.0	67.2	100.8#
51	52.4	31.1	46.7#





#16

Acetone

Concen: 29.888 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

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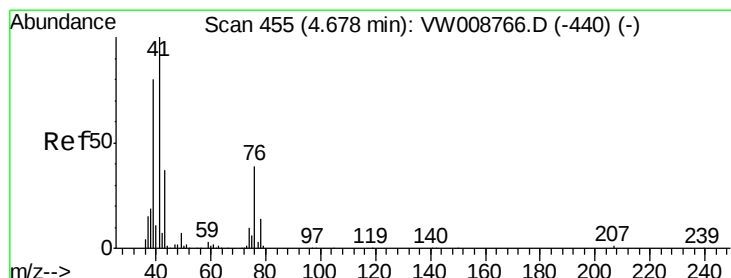
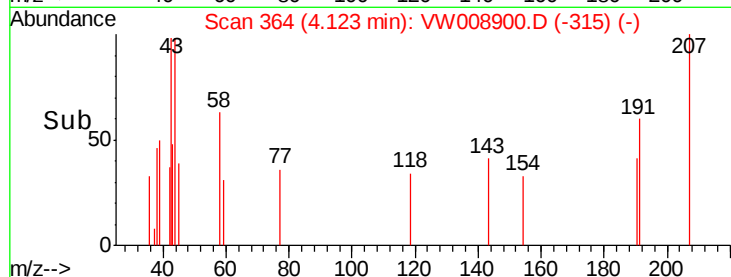
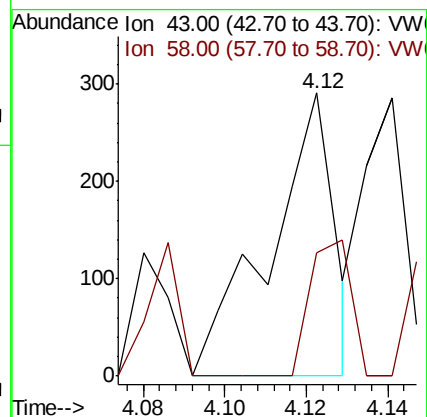
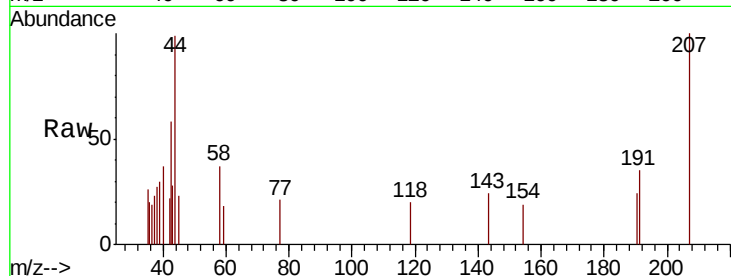
PE-4(NORTH-SITE-WALL)RE

Tot Ion: 43 Resp: 318

Ion Ratio Lower Upper

43 100

58 43.3 23.8 35.6#



#18

Methyl Acetate

Concen: 3.487 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW008900.D

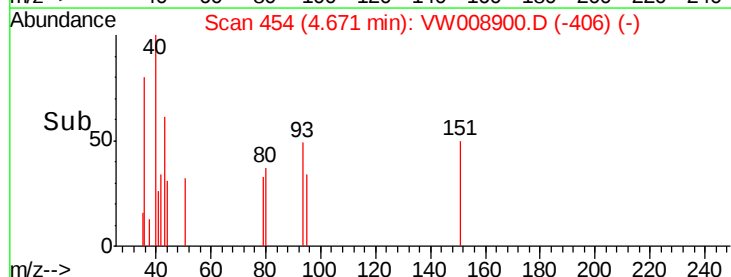
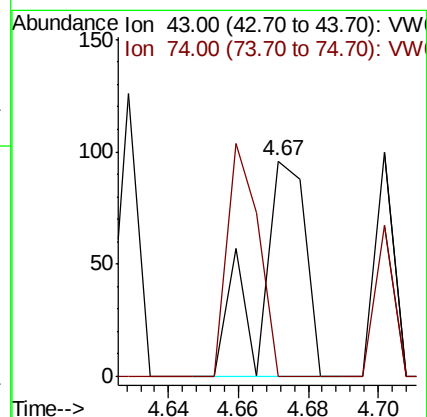
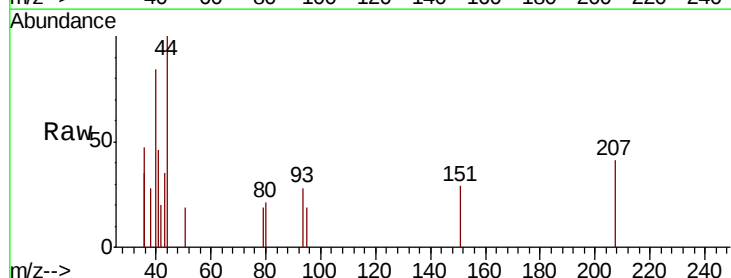
Acq: 28 Feb 2019 20:57

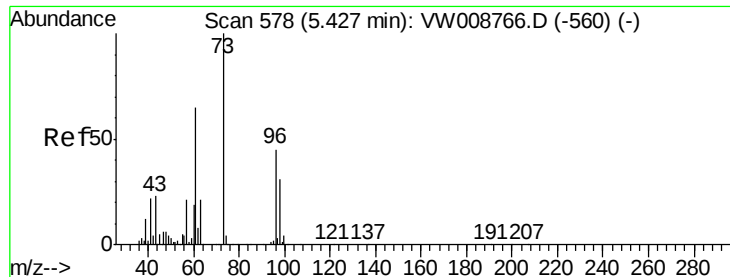
Tgt Ion: 43 Resp: 88

Ion Ratio Lower Upper

43 100

74 73.9 19.4 29.2#



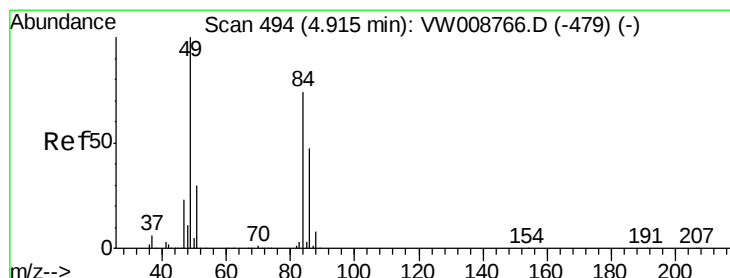
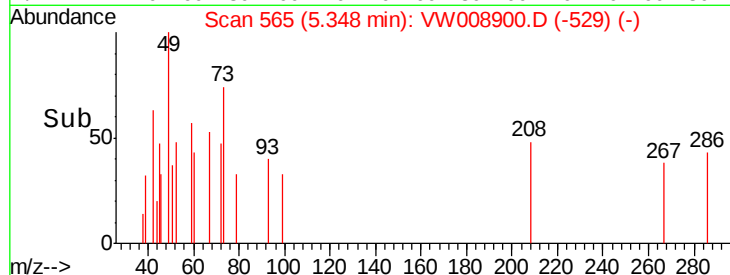
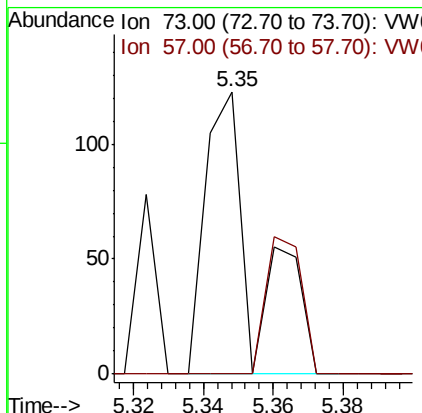
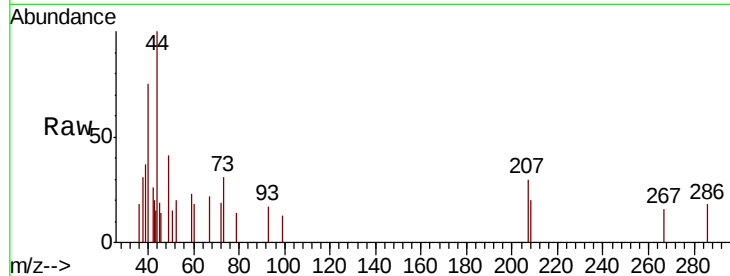


#19

Methyl tert-butyl Ether
 Concen: 1.052 ug/l
 RT: 5.35 min Scan# 565
 Delta R.T. -0.08 min
 Lab File: VW008900.D
 Acq: 28 Feb 2019 20:57

Instrument :
 MSVOA_W
 ClientSampleId :
 PE-4(NORTH-SITE-WALL)RE

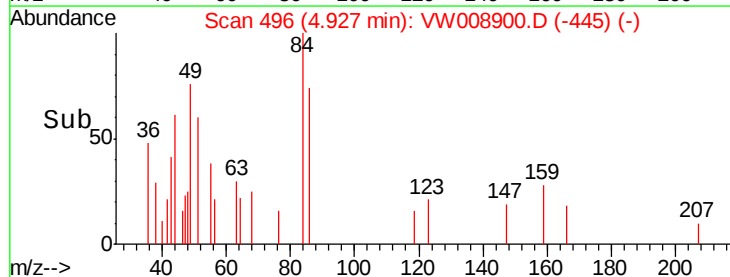
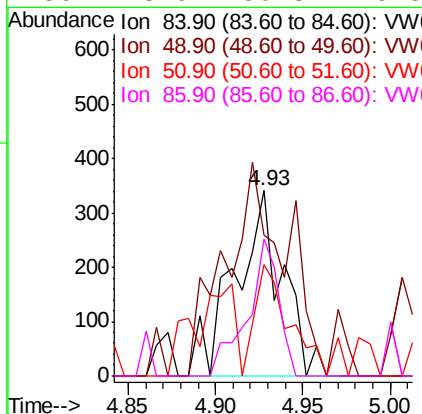
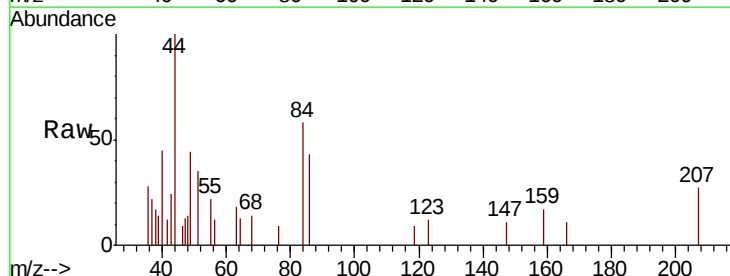
Tot Ion: 73 Resp: 122
 Ion Ratio Lower Upper
 73 100
 57 0.0 16.8 25.2#

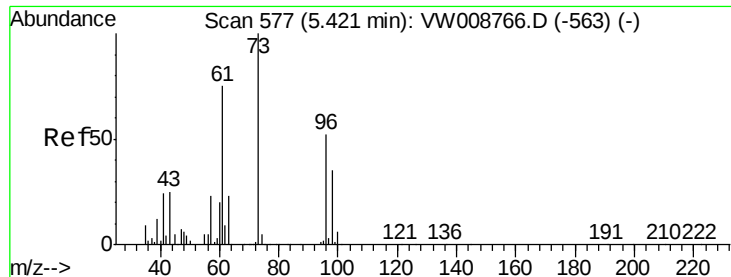


#20

Methylene Chloride
 Concen: 7.974 ug/l
 RT: 4.93 min Scan# 496
 Delta R.T. 0.01 min
 Lab File: VW008900.D
 Acq: 28 Feb 2019 20:57

Tgt Ion: 84 Resp: 643
 Ion Ratio Lower Upper
 84 100
 49 76.0 108.2 162.2#
 51 39.3 32.7 49.1
 86 73.9 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 1.533 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

Instrument :

MSVOA_W

ClientSampleId :

PE-4(NORTH-SITE-WALL)RE

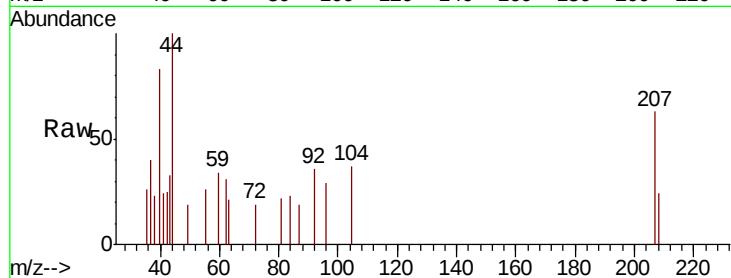
Tot Ion: 96 Resp: 76

Ion Ratio Lower Upper

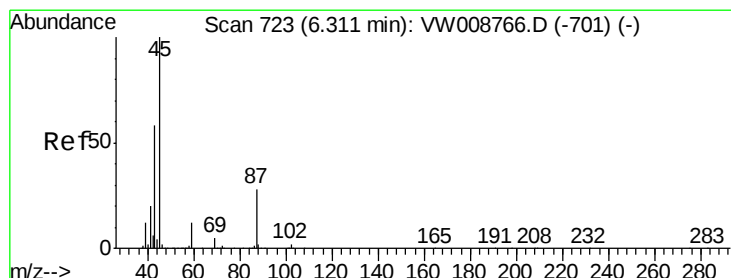
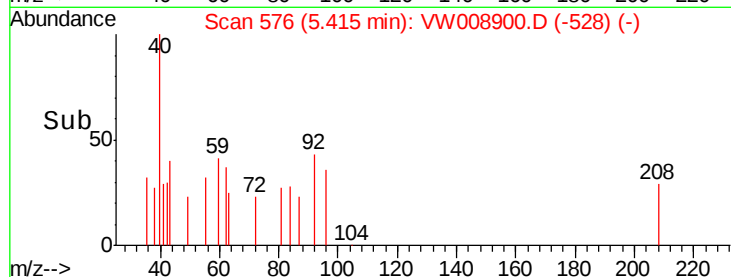
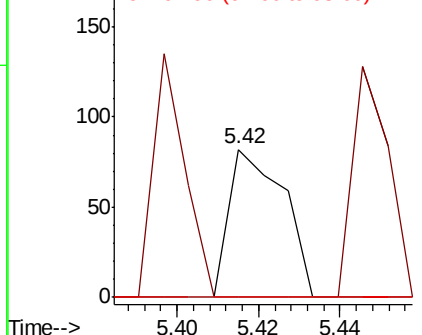
96 100

61 0.0 114.6 171.8#

98 0.0 54.0 81.0#



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



#22

Diisopropyl ether

Concen: 1.240 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

Tgt Ion: 45 Resp: 183

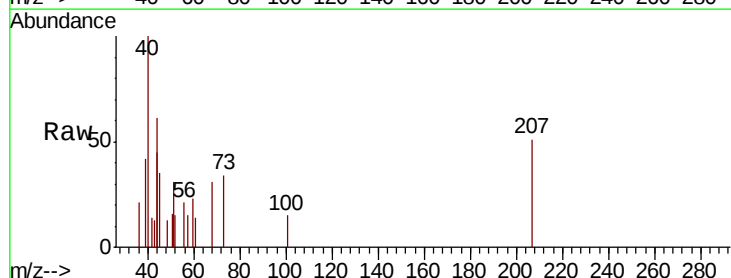
Ion Ratio Lower Upper

45 100

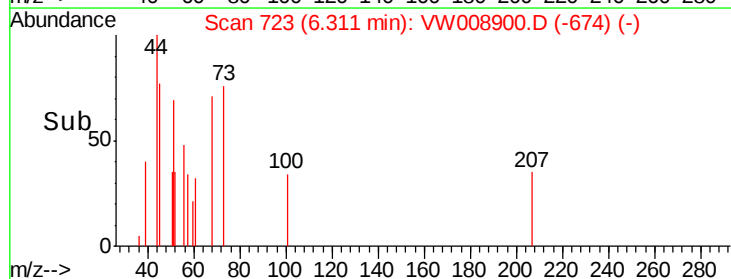
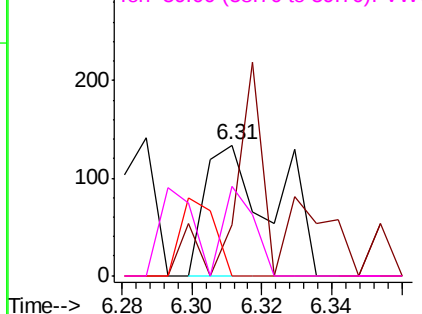
43 127.6 46.1 69.1#

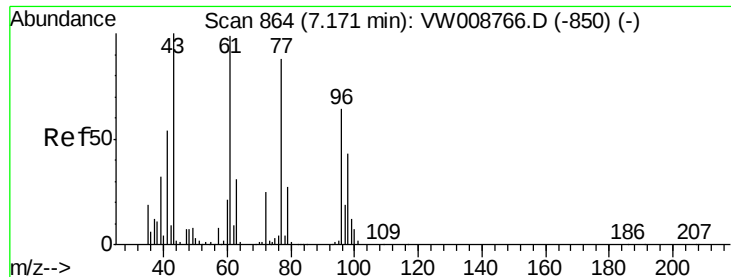
87 0.0 22.2 33.4#

59 23.9 10.0 15.0#



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#25

2-Butanone

Concen: 1.277 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

Instrument :

MSVOA_W

ClientSampleId :

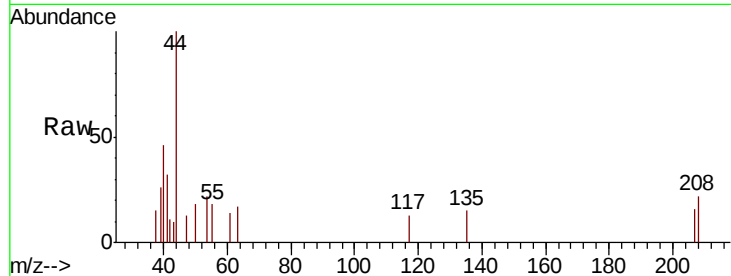
PE-4(NORTH-SITE-WALL)RE

Tot Ion: 43 Resp: 19

Ion Ratio Lower Upper

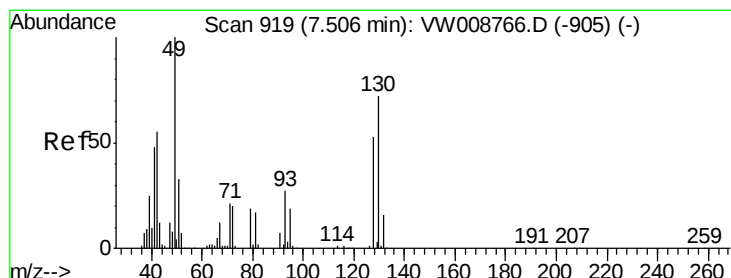
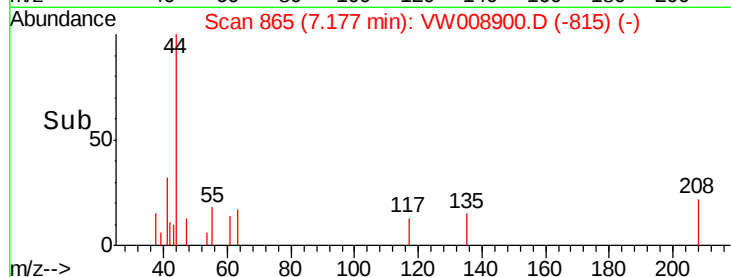
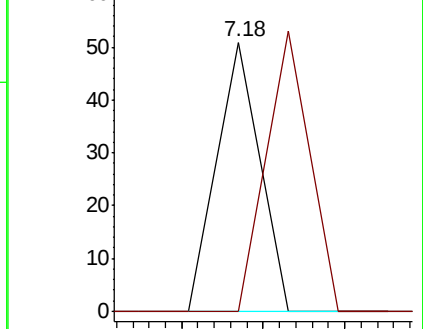
43 100

72 0.0 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#28

Bromochloromethane

Concen: 5.423 ug/l

RT: 7.49 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

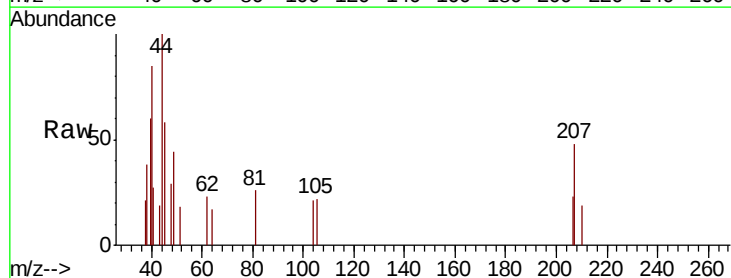
Tgt Ion: 49 Resp: 194

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.6

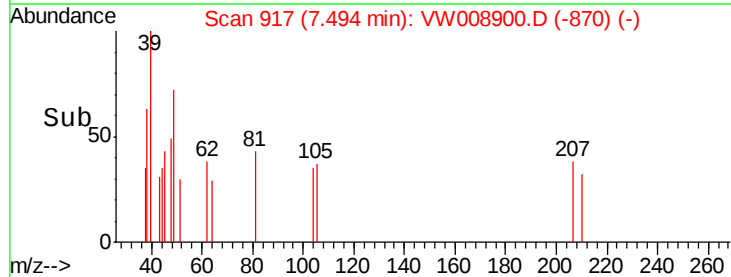
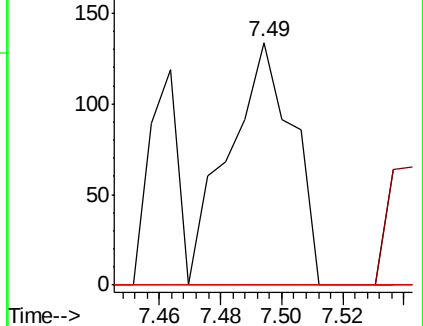
130 0.0 61.3 91.9#

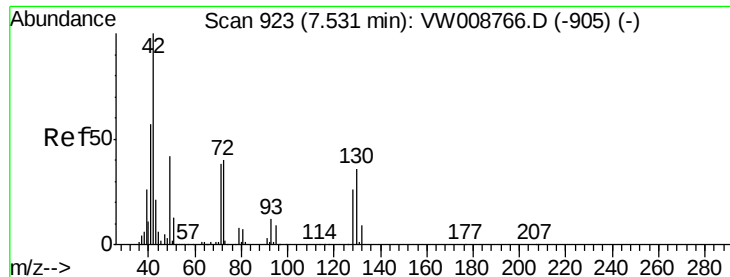


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

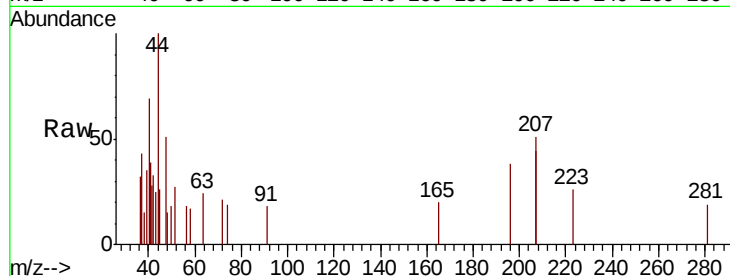




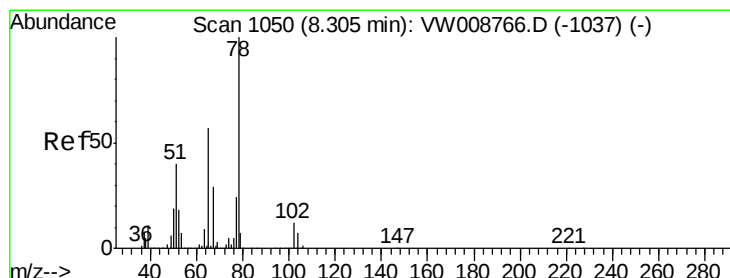
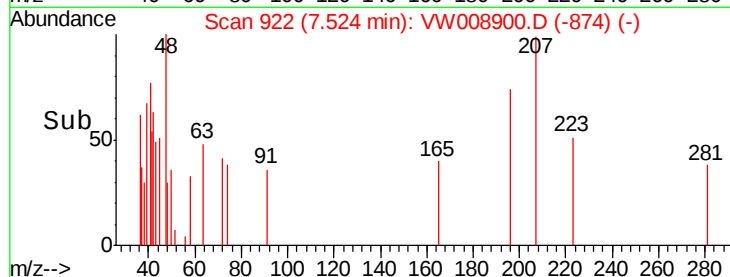
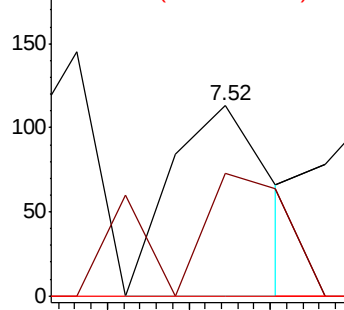
#29
Tetrahydrofuran
Concen: 10.127 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008900.D
Acq: 28 Feb 2019 20:57

Instrument :
MSVOA_W
ClientSampleId :
PE-4(NORTH-SITE-WALL)RE

Tot Ion	Ratio	Lower	Upper
42	100		
72	75.0	32.7	49.1#
71	0.0	31.3	46.9#

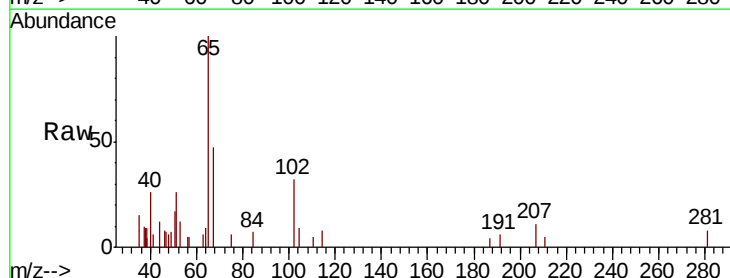


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

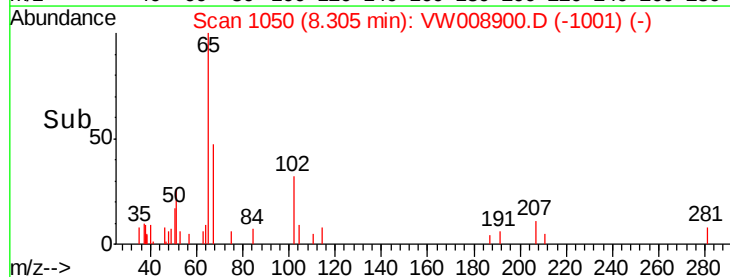
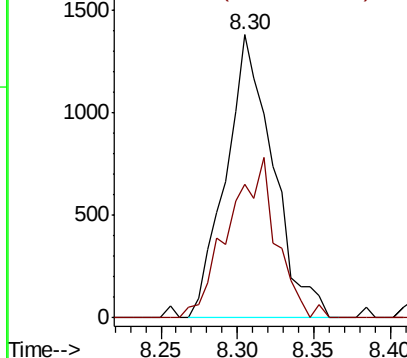


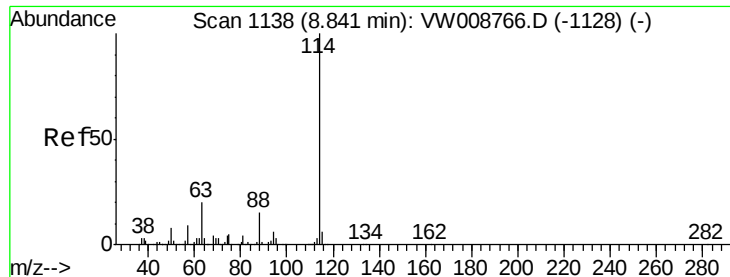
#33
1,2-Dichloroethane-d4
Concen: 64.748 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008900.D
Acq: 28 Feb 2019 20:57

Tgt Ion	Ratio	Lower	Upper
65	100		
67	57.4	0.0	101.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

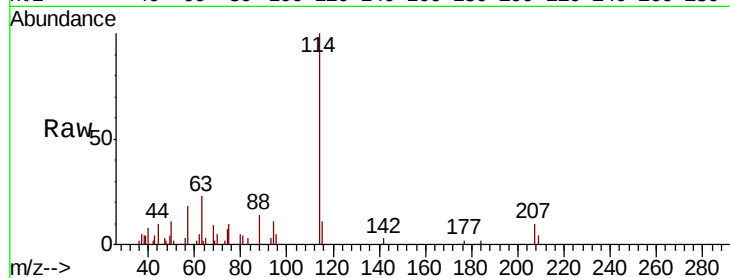




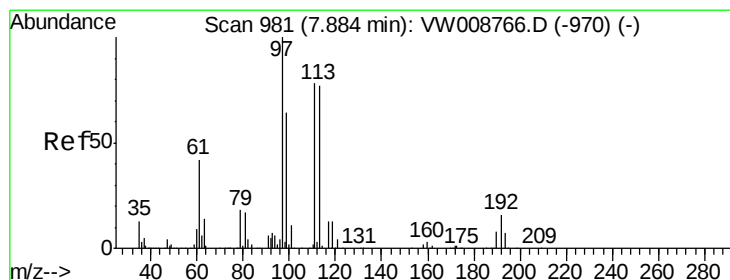
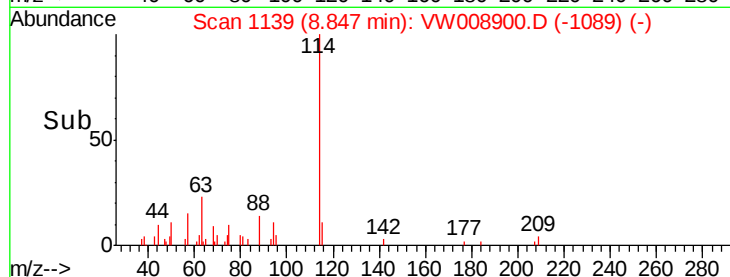
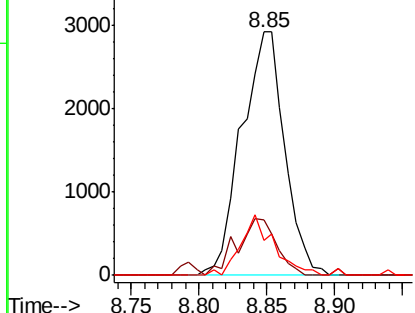
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW008900.D
 Acq: 28 Feb 2019 20:57

Instrument :
 MSVOA_W
 ClientSampleId :
 PE-4(NORTH-SITE-WALL)RE

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.8
88	14.2	0.0	30.4

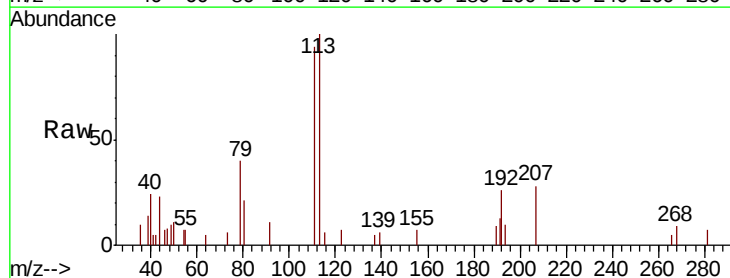


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

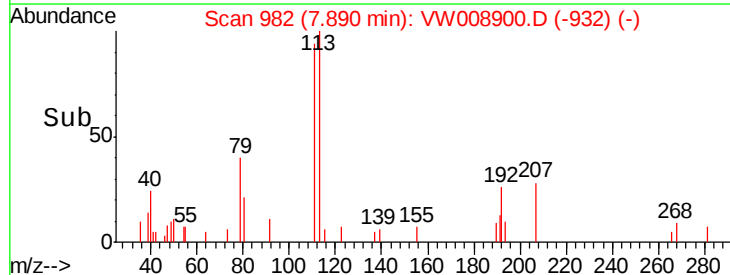
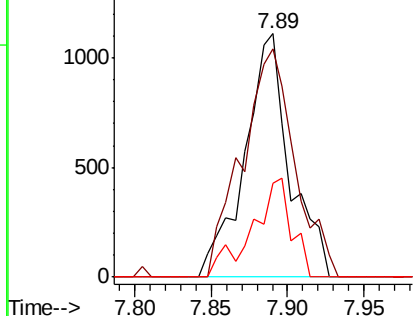


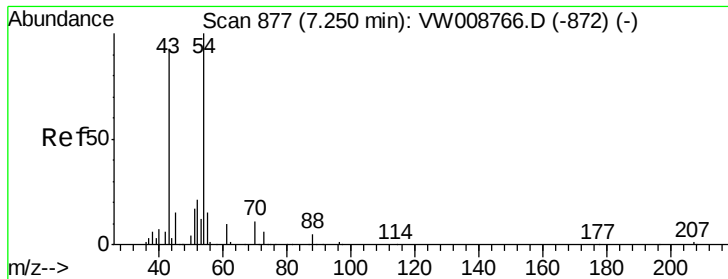
#35
 Dibromofluoromethane
 Concen: 59.002 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW008900.D
 Acq: 28 Feb 2019 20:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	109.3	81.9	122.9
192	35.2	17.1	25.7



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

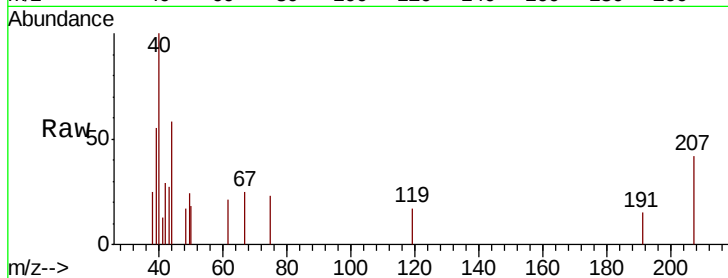




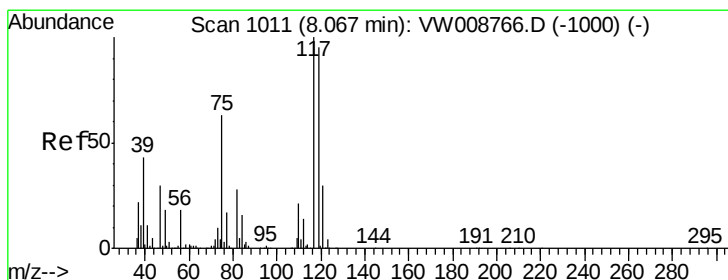
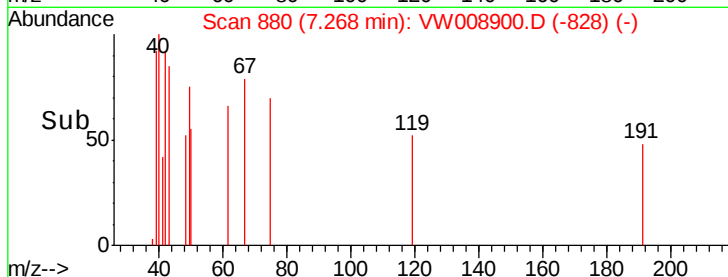
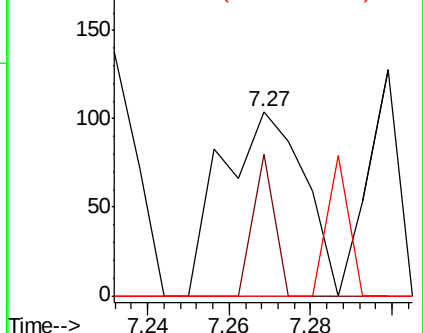
#37
Ethyl Acetate
Concen: 4.998 ug/l
RT: 7.27 min Scan# 880
Delta R.T. 0.02 min
Lab File: VW008900.D
Acq: 28 Feb 2019 20:57

Instrument :
MSVOA_W
ClientSampleId :
PE-4(NORTH-SITE-WALL)RE

Tot Ion: 43 Resp: 146
Ion Ratio Lower Upper
43 100
61 19.9 9.8 14.8#
70 0.0 8.4 12.6#

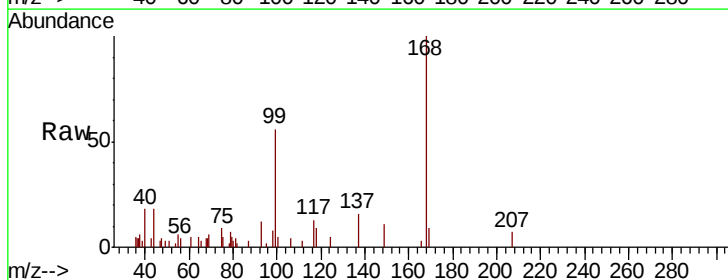


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

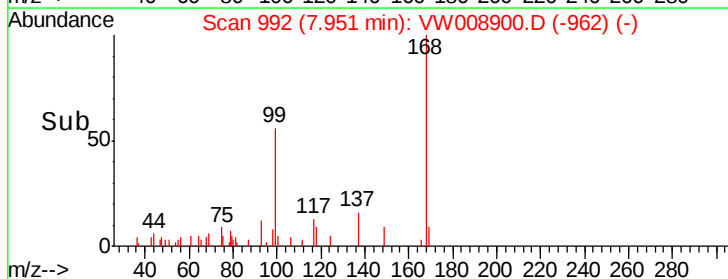
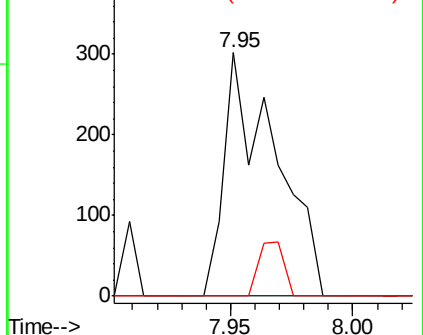


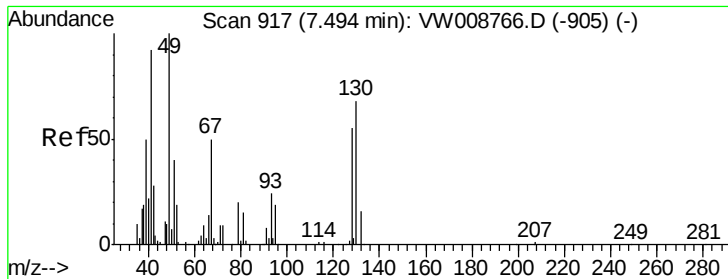
#38
Carbon Tetrachloride
Concen: 6.642 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW008900.D
Acq: 28 Feb 2019 20:57

Tgt Ion: 117 Resp: 440
Ion Ratio Lower Upper
117 100
119 0.0 76.1 114.1#
121 0.0 24.0 36.0#



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





#41

Methacrylonitrile

Concen: 11.357 ug/l

RT: 7.51 min Scan# 919

Delta R.T. 0.01 min

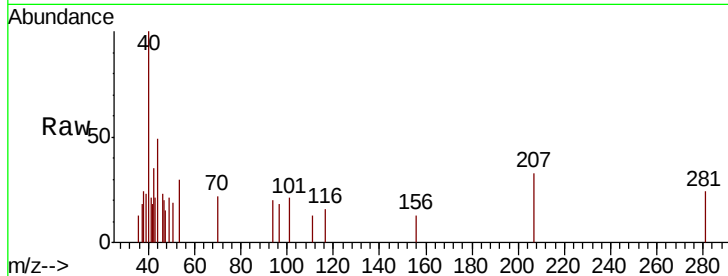
Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

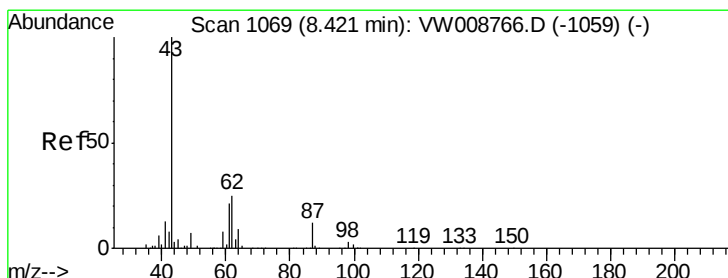
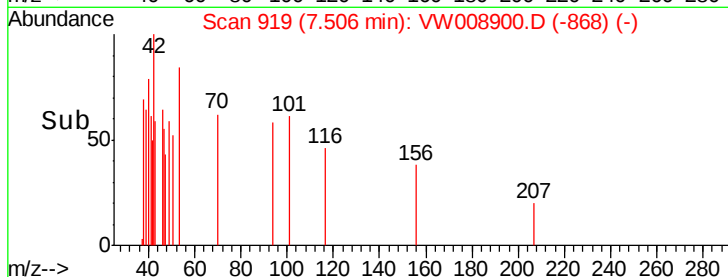
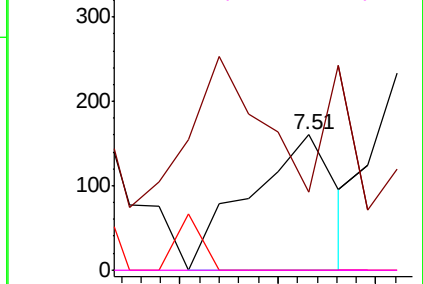
Instrument :
MSVOA_W
ClientSampleId :
PE-4(NORTH-SITE-WALL)RE

Tot Ion: 41 Resp: 195

Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.5	78.7#
67	0.0	55.0	82.6#
52	0.0	26.9	40.3#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#43

Isopropyl Acetate

Concen: 2.865 ug/l

RT: 8.41 min Scan# 1067

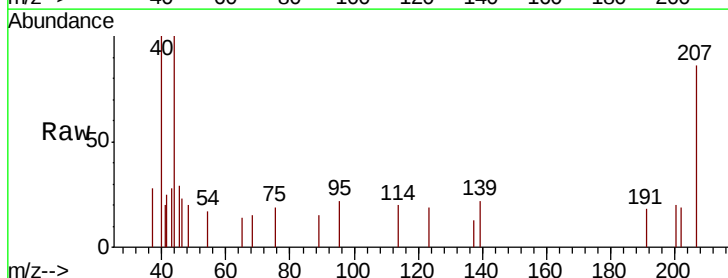
Delta R.T. -0.01 min

Lab File: VW008900.D

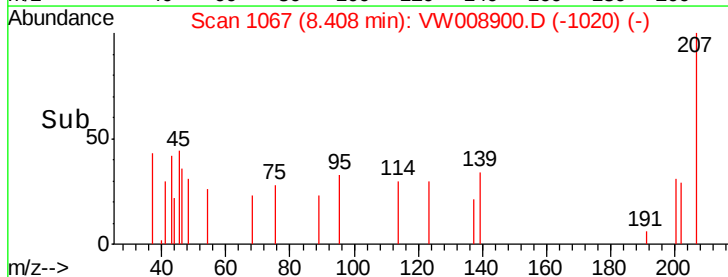
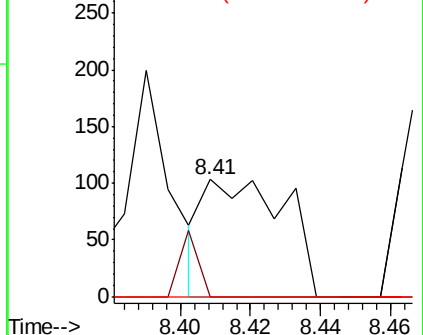
Acq: 28 Feb 2019 20:57

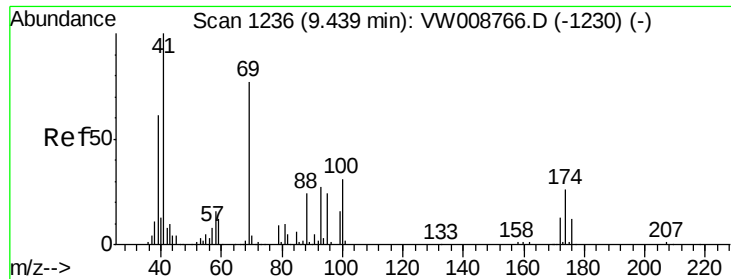
Tgt Ion: 43 Resp: 167

Ion	Ratio	Lower	Upper
43	100		
61	12.6	23.2	34.8#
87	0.0	9.9	14.9#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW

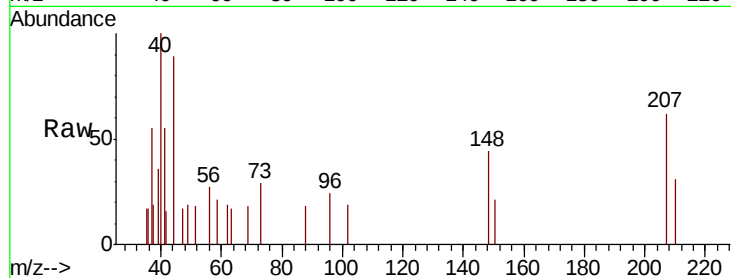




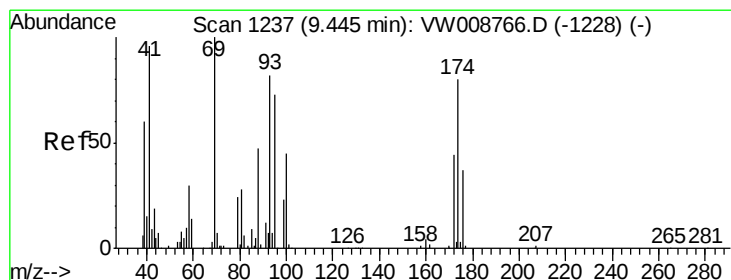
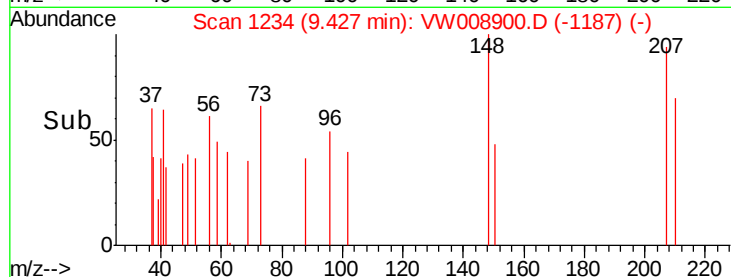
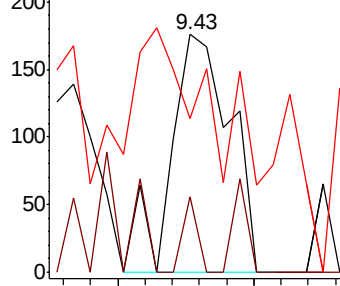
#48
Methyl methacrylate
Concen: 9.598 ug/l
RT: 9.43 min Scan# 1234
Delta R.T. -0.01 min
Lab File: VW008900.D
Acq: 28 Feb 2019 20:57

Instrument :
MSVOA_W
ClientSampleId :
PE-4(NORTH-SITE-WALL)RE

Tot Ion: 41 Resp: 268
Ion Ratio Lower Upper
41 100
69 7.5 63.6 95.4#
39 62.7 52.1 78.1

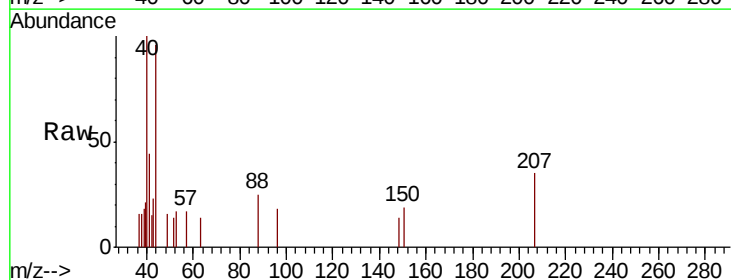


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

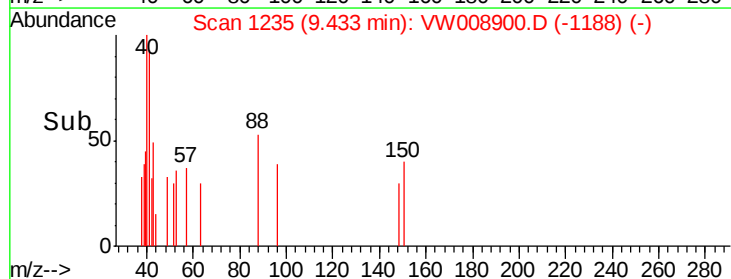
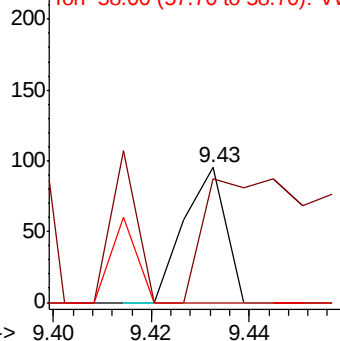


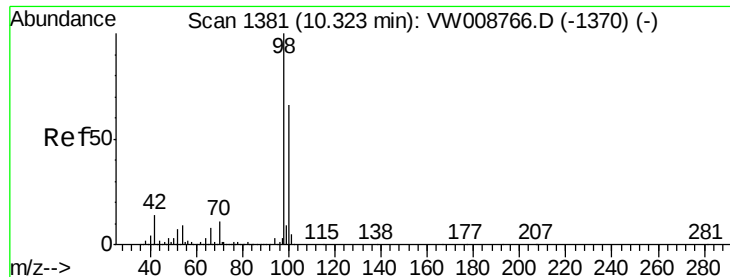
#49
1,4-Dioxane
Concen: 148.336 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008900.D
Acq: 28 Feb 2019 20:57

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 210.7 29.0 43.4#
58 0.0 52.0 78.0#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 51.683 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

Instrument :

MSVOA_W

ClientSampleId :

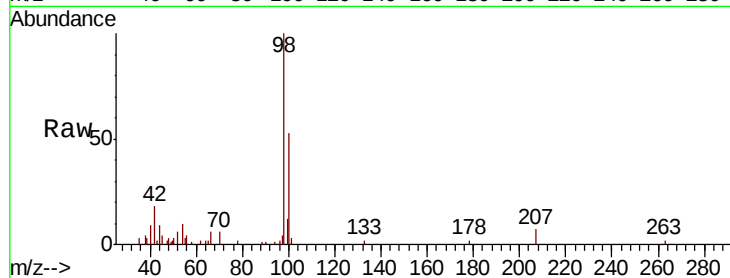
PE-4(NORTH-SITE-WALL)RE

Tot Ion: 98 Resp: 7730

Ion Ratio Lower Upper

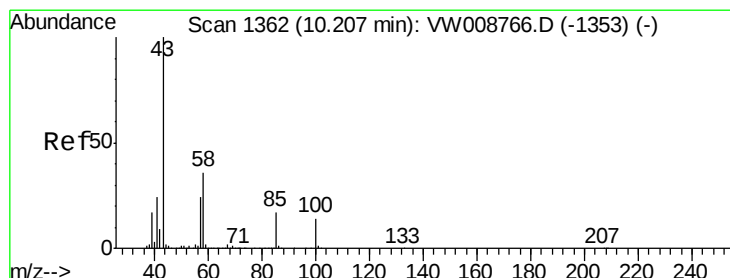
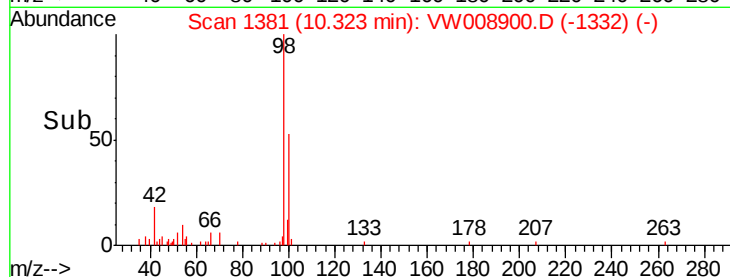
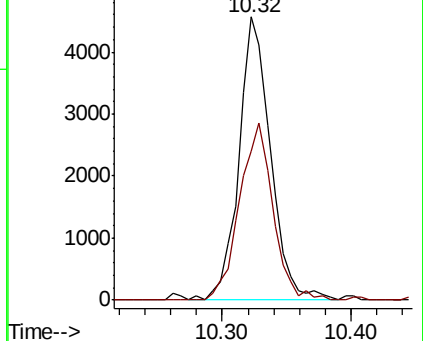
98 100

100 66.1 52.4 78.6



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: 7.095 ug/l

RT: 10.27 min Scan# 1373

Delta R.T. 0.07 min

Lab File: VW008900.D

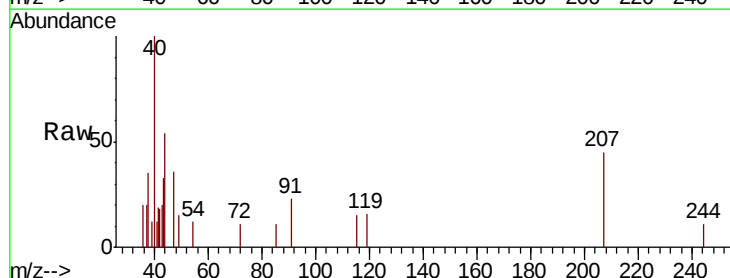
Acq: 28 Feb 2019 20:57

Tgt Ion: 43 Resp: 210

Ion Ratio Lower Upper

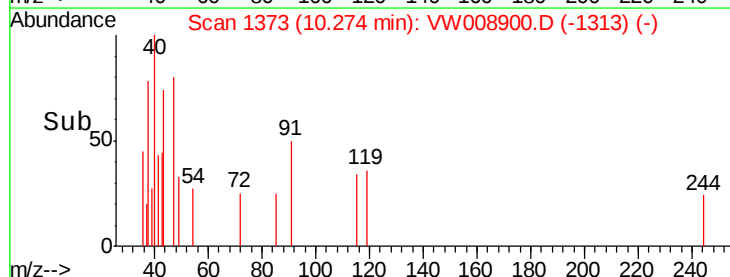
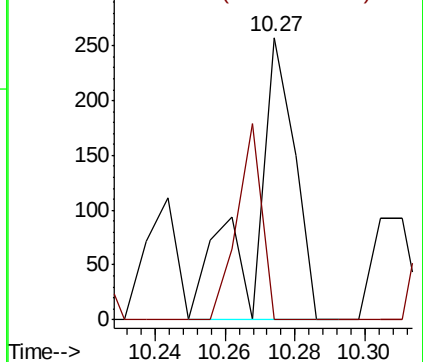
43 100

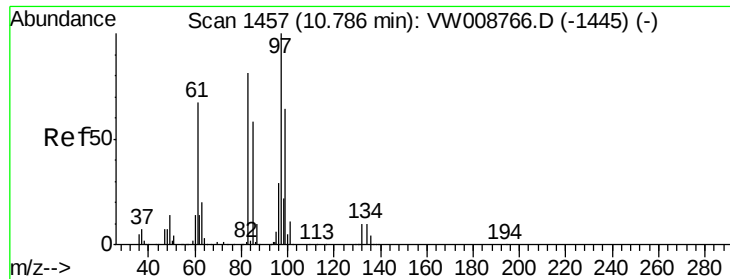
58 42.4 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

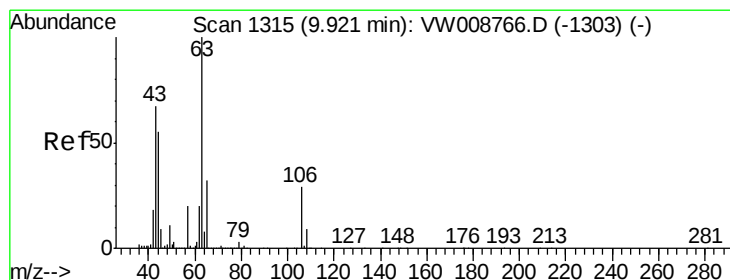
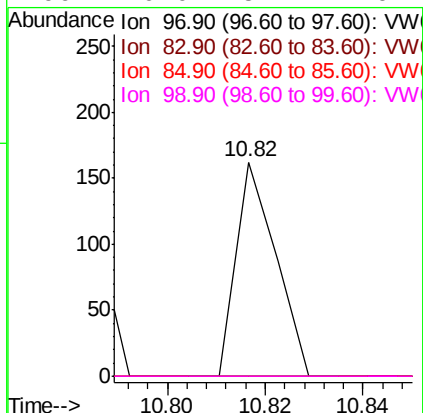
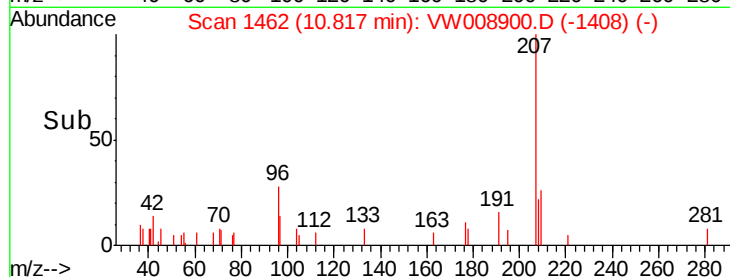
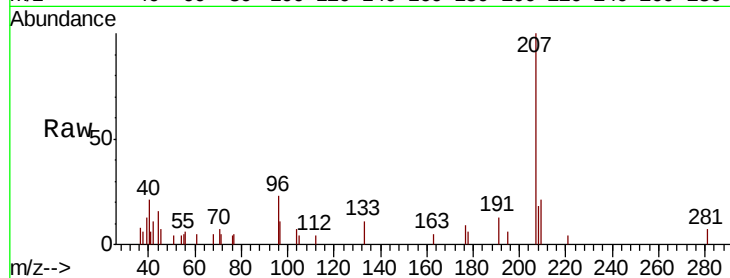




#55
 1,1,2-Trichloroethane
 Concen: 2.846 ug/l
 RT: 10.82 min Scan# 1462
 Delta R.T. 0.03 min
 Lab File: VW008900.D
 Acq: 28 Feb 2019 20:57

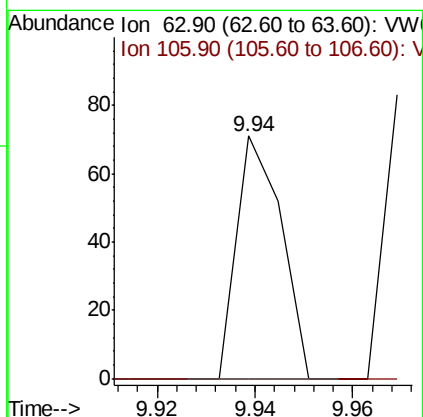
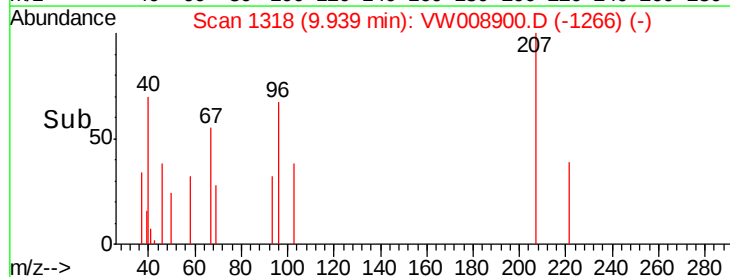
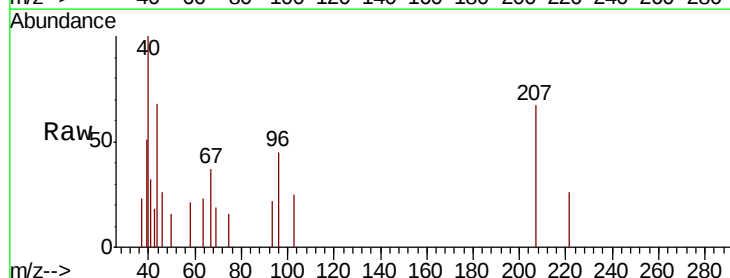
Instrument :
 MSVOA_W
 ClientSampleId :
 PE-4(NORTH-SITE-WALL)RE

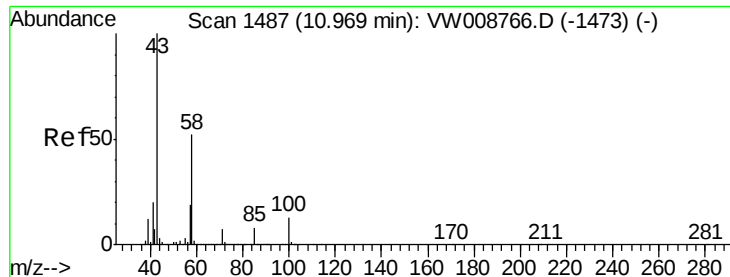
Tot Ion: 97 Resp: 91
 Ion Ratio Lower Upper
 97 100
 83 0.0 65.0 97.6#
 85 0.0 46.0 69.0#
 99 0.0 51.1 76.7#



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.154 ug/l
 RT: 9.94 min Scan# 1318
 Delta R.T. 0.02 min
 Lab File: VW008900.D
 Acq: 28 Feb 2019 20:57

Tgt Ion: 63 Resp: 45
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.0 36.0#





#59

2-Hexanone

Concen: 3.797 ug/l

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

Instrument :

MSVOA_W

ClientSampleId :

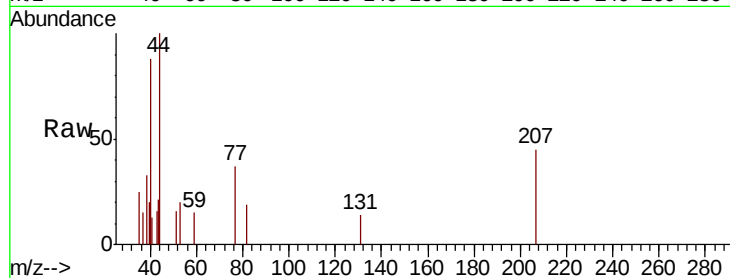
PE-4(NORTH-SITE-WALL)RE

Tot Ion: 43 Resp: 80

Ion Ratio Lower Upper

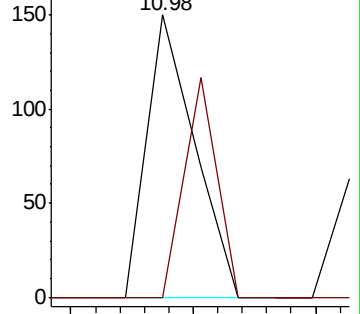
43 100

58 53.8 25.3 75.8

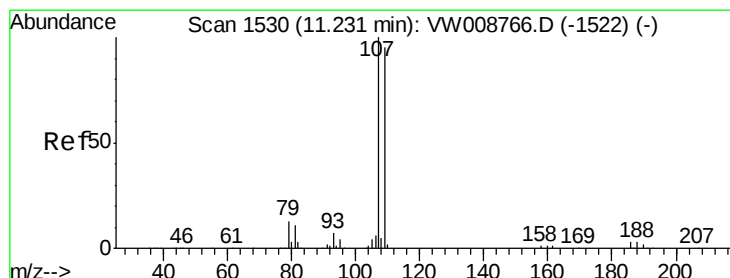
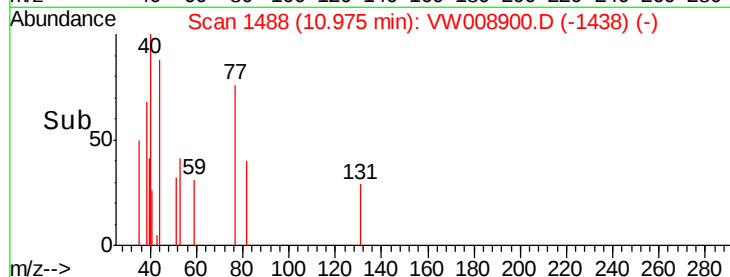


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time--> 10.96 10.98 11.00



#61

1,2-Dibromoethane

Concen: 1.454 ug/l

RT: 11.28 min Scan# 1538

Delta R.T. 0.05 min

Lab File: VW008900.D

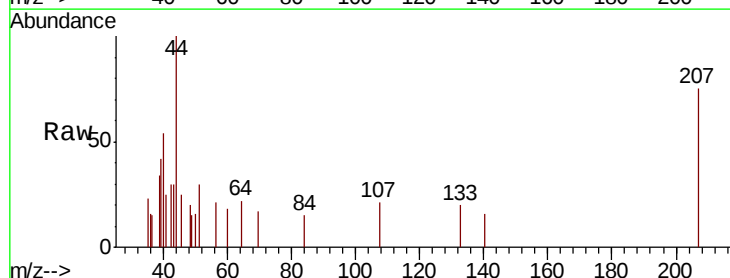
Acq: 28 Feb 2019 20:57

Tgt Ion: 107 Resp: 46

Ion Ratio Lower Upper

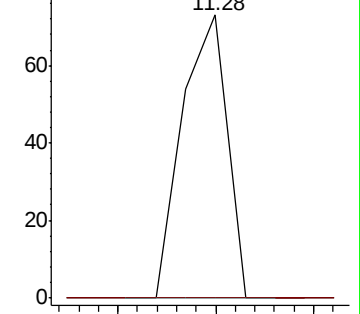
107 100

109 0.0 75.6 113.4#

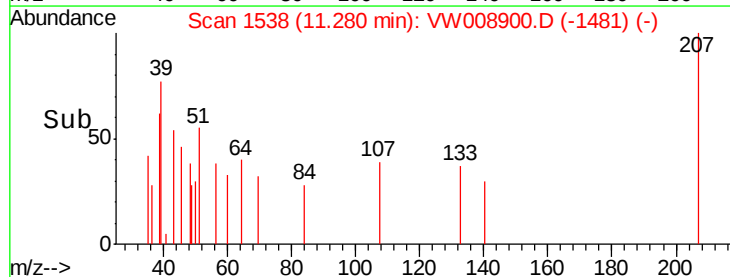


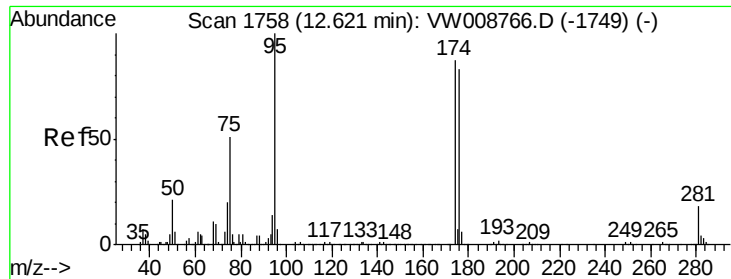
Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time--> 11.26 11.28 11.30

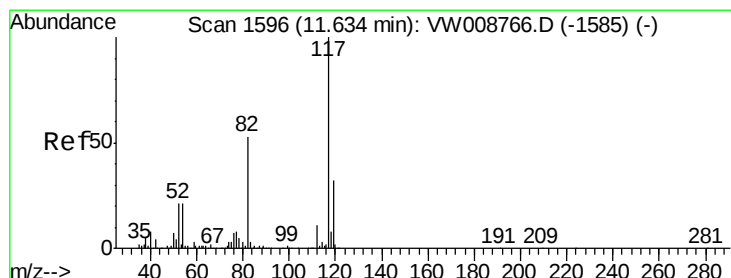
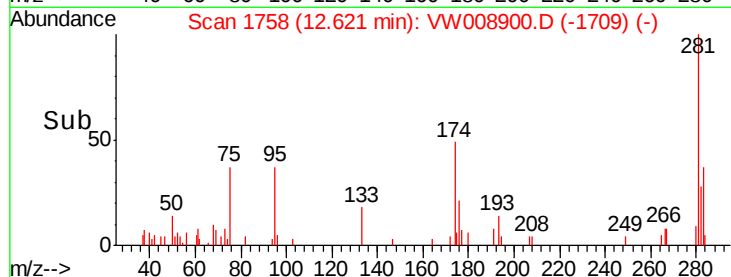
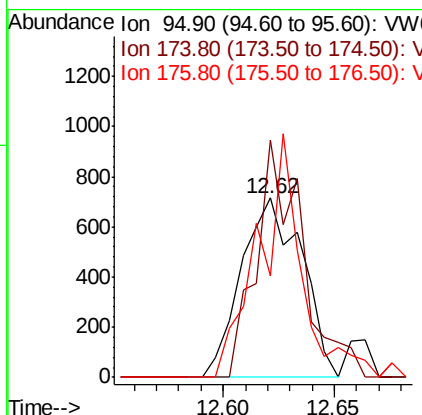
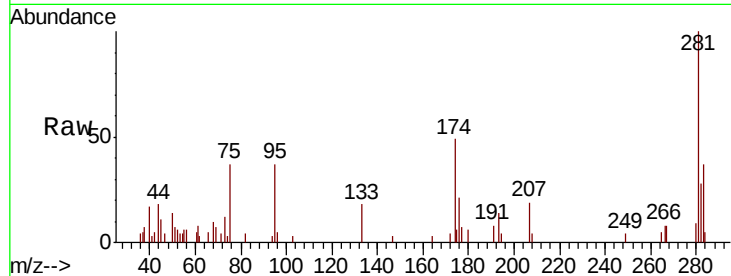




#62
4-Bromofluorobenzene
Concen: 23.070 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008900.D
Acq: 28 Feb 2019 20:57

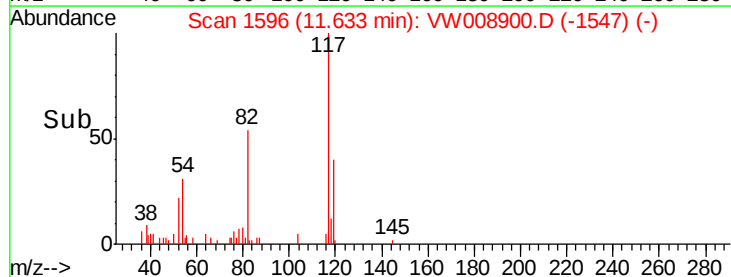
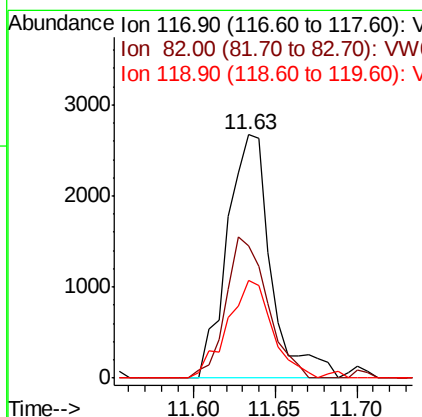
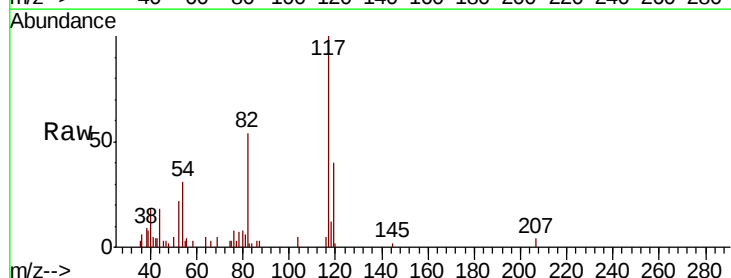
Instrument :
MSVOA_W
ClientSampleId :
PE-4(NORTH-SITE-WALL)RE

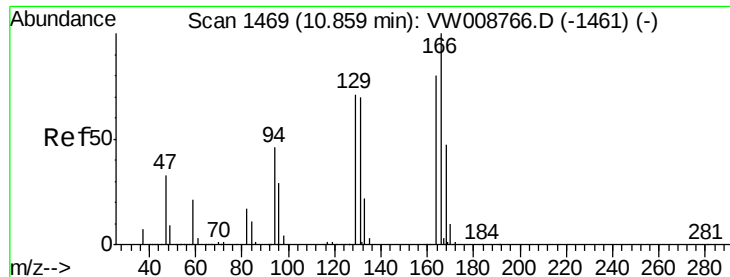
Tot Ion: 95 Resp: 1351
Ion Ratio Lower Upper
95 100
174 100.1 0.0 169.2
176 97.3 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008900.D
Acq: 28 Feb 2019 20:57

Tgt Ion: 117 Resp: 4984
Ion Ratio Lower Upper
117 100
82 54.2 42.2 63.4
119 40.4 25.9 38.9#





#64

Tetrachloroethene

Concen: 1.121 ug/l

RT: 10.92 min Scan# 1479

Delta R.T. 0.06 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

Instrument :

MSVOA_W

ClientSampleId :

PE-4(NORTH-SITE-WALL)RE

Tot Ion:164 Resp: 40

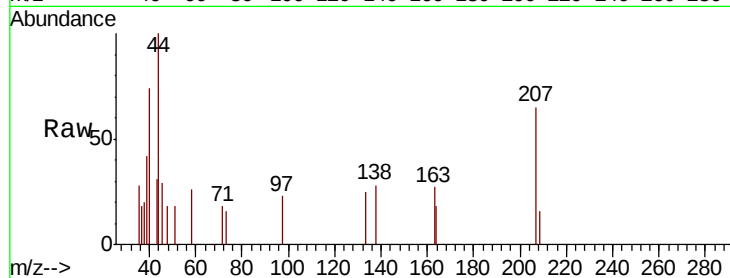
Ion Ratio Lower Upper

164 100

166 0.0 99.5 149.3#

129 0.0 71.1 106.7#

131 0.0 69.8 104.8#

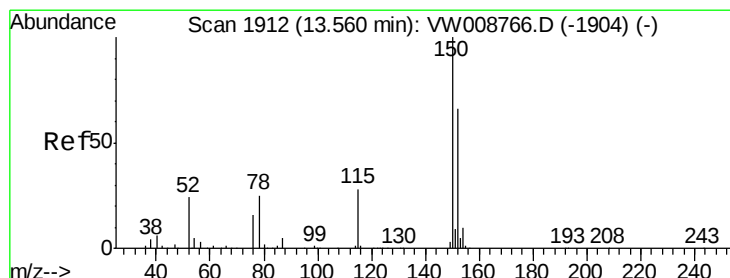
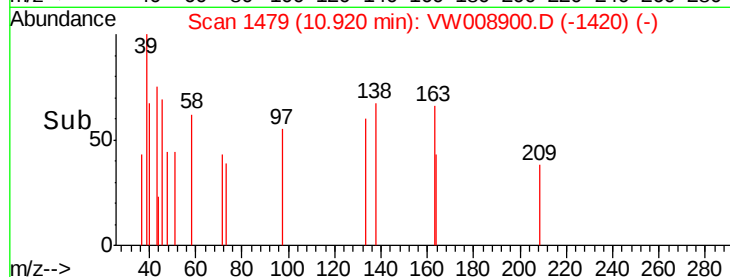
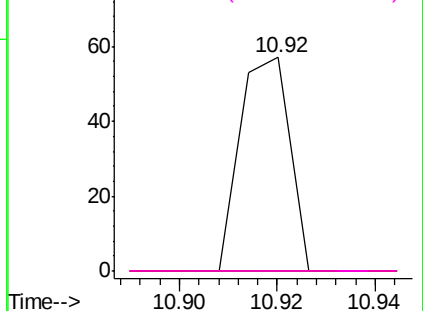


Abundance Ion 163.80 (163.50 to 164.50): V

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: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

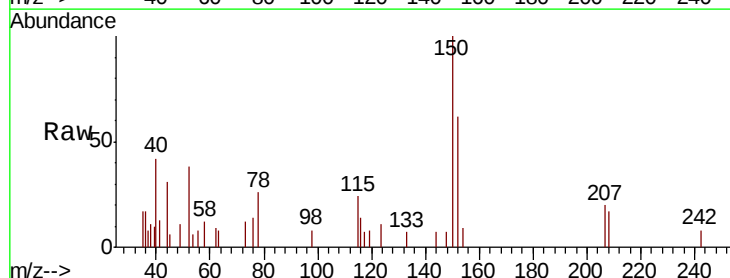
Tgt Ion:152 Resp: 946

Ion Ratio Lower Upper

152 100

115 82.0 28.6 85.8

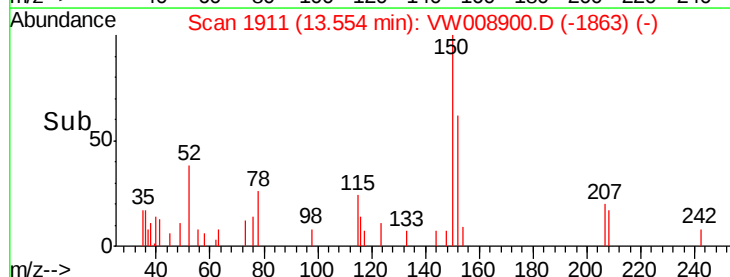
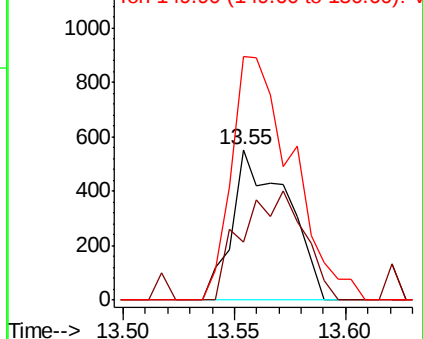
150 179.8 0.0 348.0

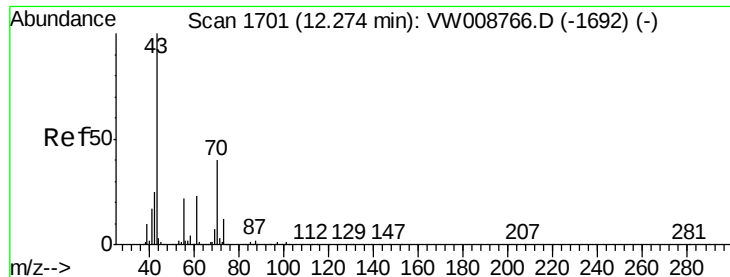


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 6.550 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

Instrument :

MSVOA_W

ClientSampleId :

PE-4(NORTH-SITE-WALL)RE

Tot Ion: 43 Resp: 107

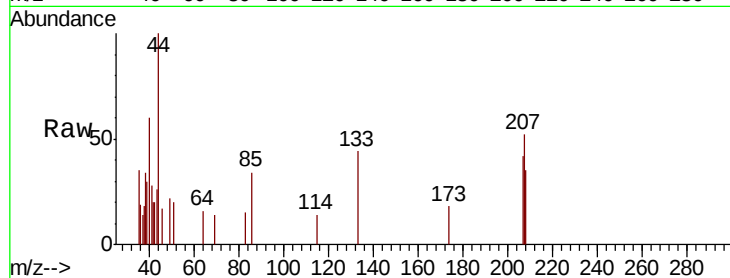
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 0.0 18.7 28.1#

61 0.0 18.1 27.1#

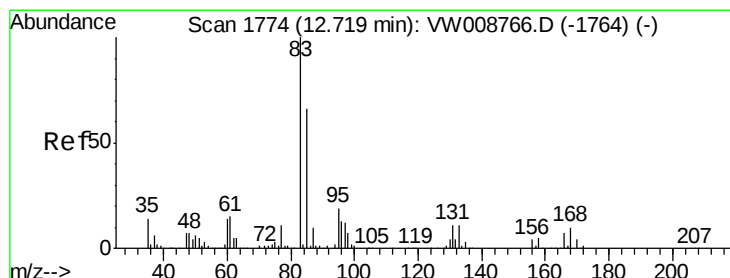
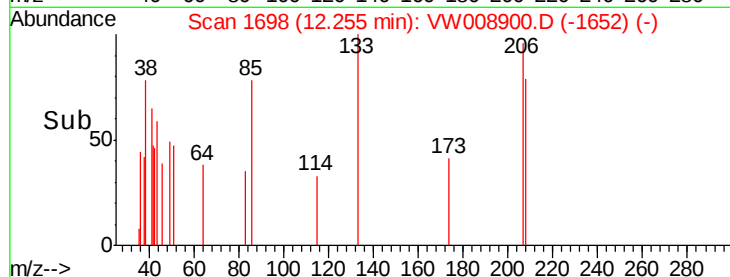
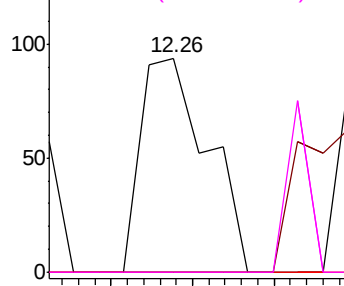


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 4.530 ug/l

RT: 12.71 min Scan# 1772

Delta R.T. -0.01 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

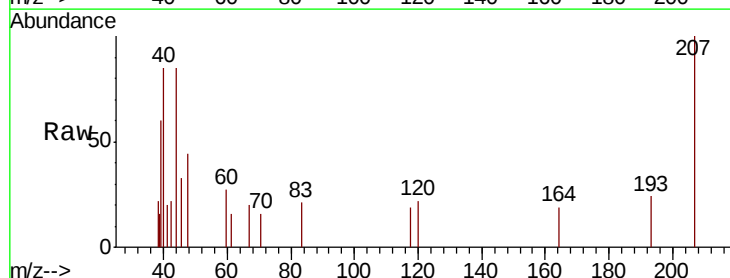
Tgt Ion: 83 Resp: 48

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

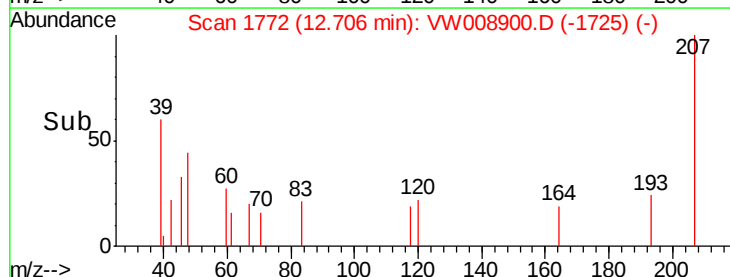
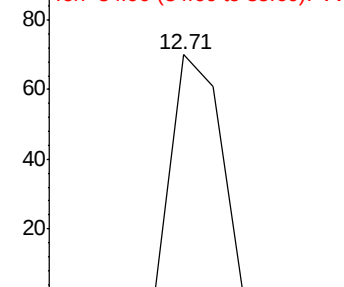
85 0.0 33.0 98.9#

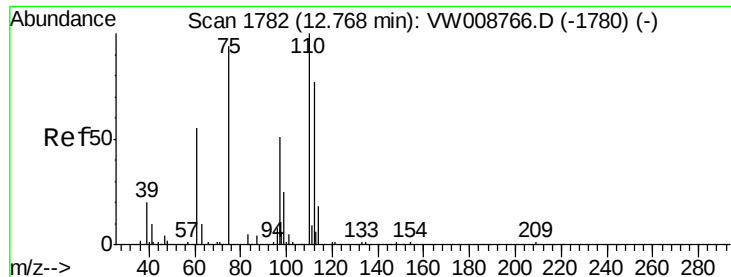


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 122.912 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

Instrument :

MSVOA_W

ClientSampleId :

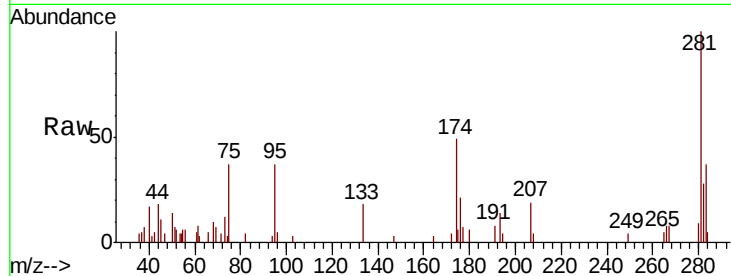
PE-4(NORTH-SITE-WALL)RE

Tot Ion: 75 Resp: 960

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

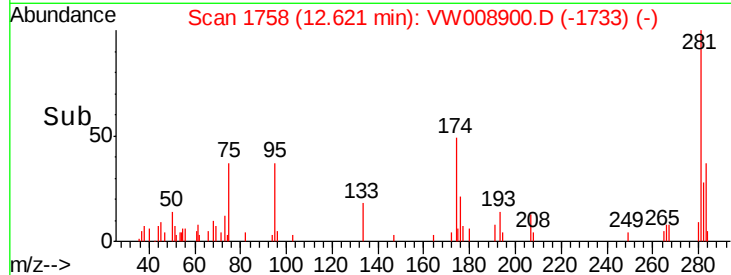
600

400

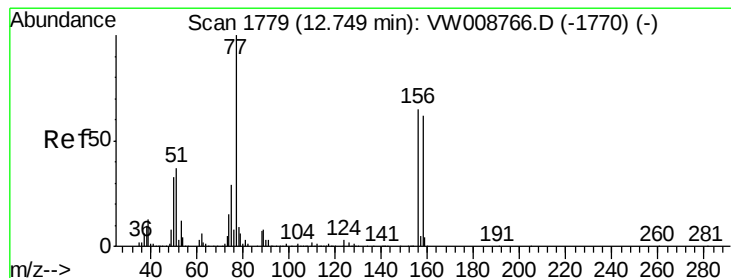
200

0

12.55 12.60 12.65



Time-->



#77

Bromobenzene

Concen: 3.589 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.06 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

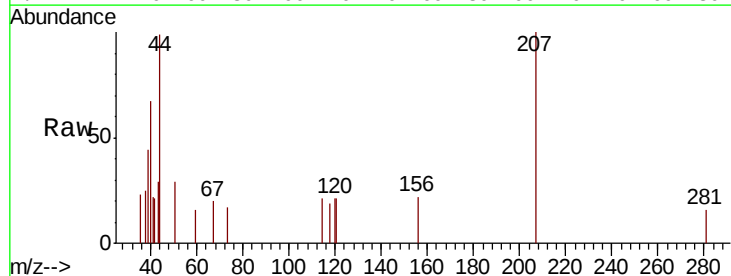
Tgt Ion: 156 Resp: 55

Ion Ratio Lower Upper

156 100

77 36.4 89.1 267.4#

158 0.0 49.2 147.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V

100

80

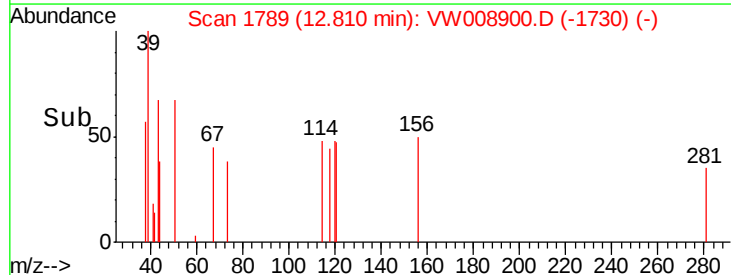
60

40

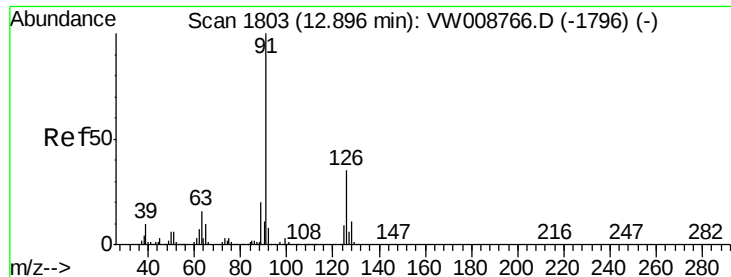
20

0

12.80 12.82



Time-->



#79

2-Chlorotoluene

Concen: 1.865 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

Instrument :

MSVOA_W

ClientSampleId :

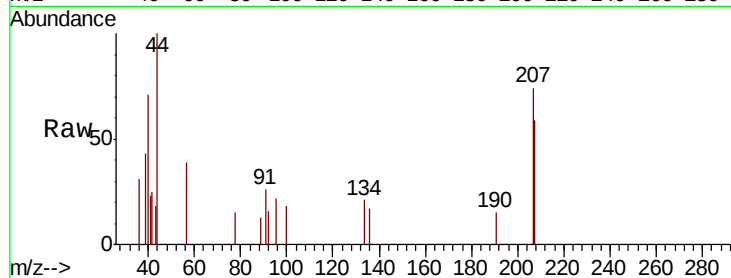
PE-4(NORTH-SITE-WALL)RE

Tot Ion: 91 Resp: 84

Ion Ratio Lower Upper

91 100

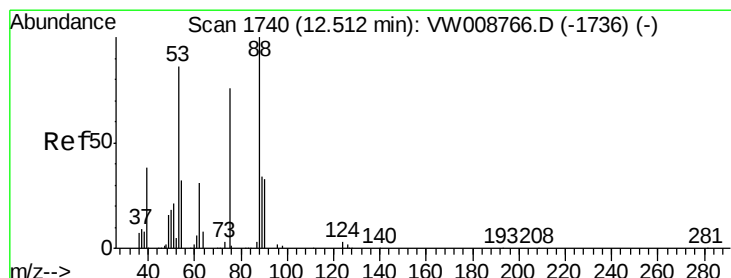
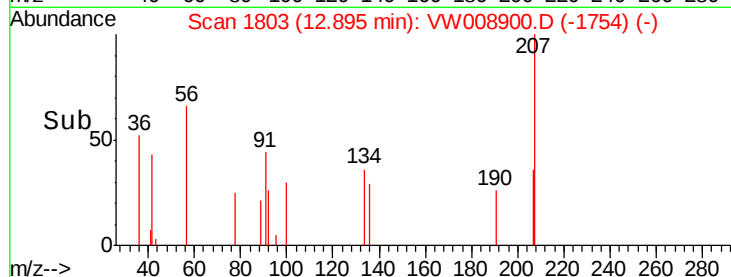
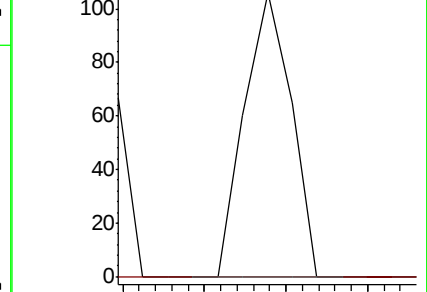
126 0.0 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

12.90



#81

trans-1,4-Dichloro-2-butene

Concen: 19.609 ug/l

RT: 12.48 min Scan# 1735

Delta R.T. -0.03 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

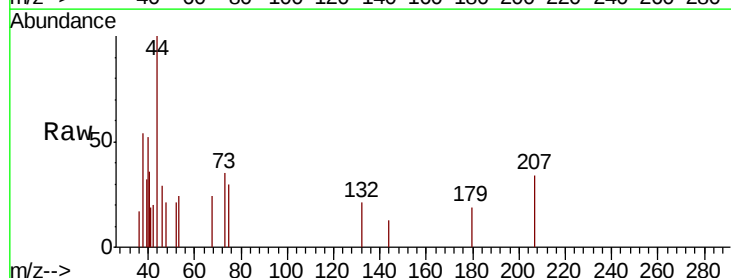
Tgt Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

53 163.5 88.2 132.2#

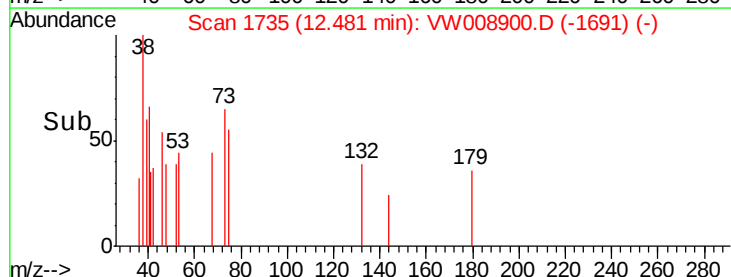
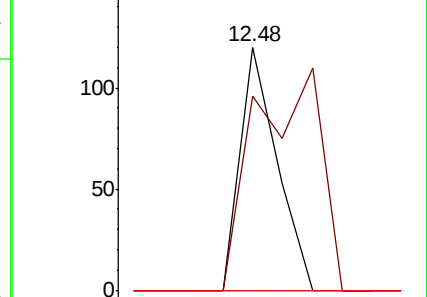
89 0.0 39.5 59.3#

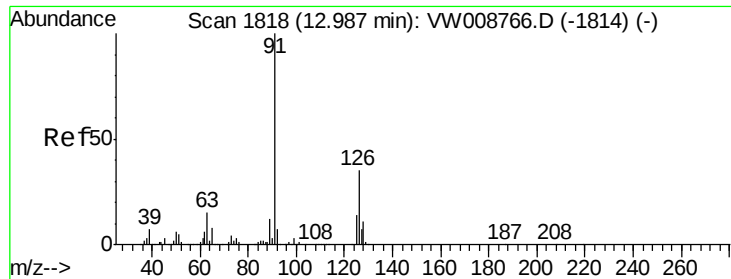


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

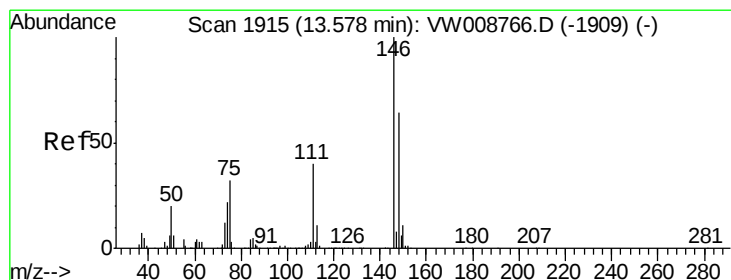
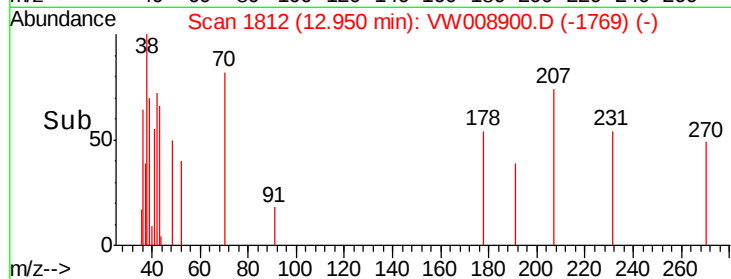
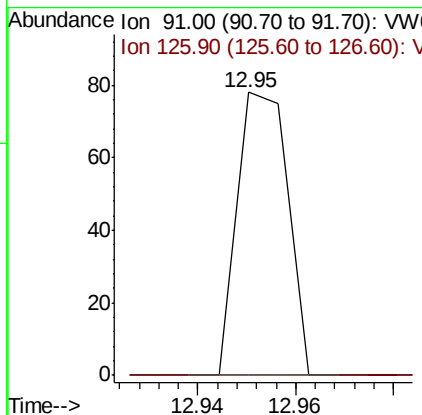
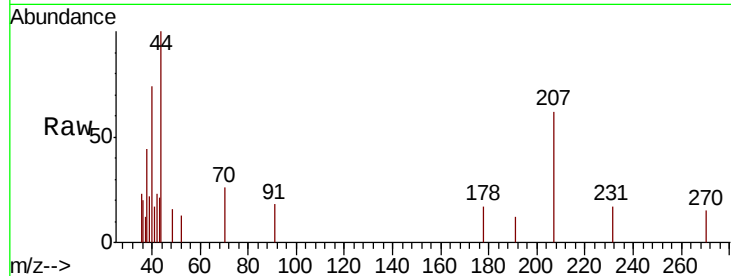




#82
4-Chlorotoluene
Concen: 1.180 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. -0.04 min
Lab File: VW008900.D
Acq: 28 Feb 2019 20:57

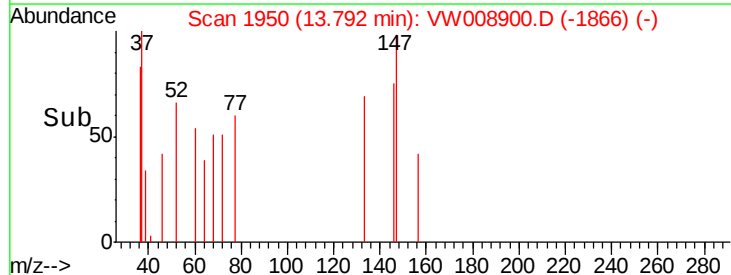
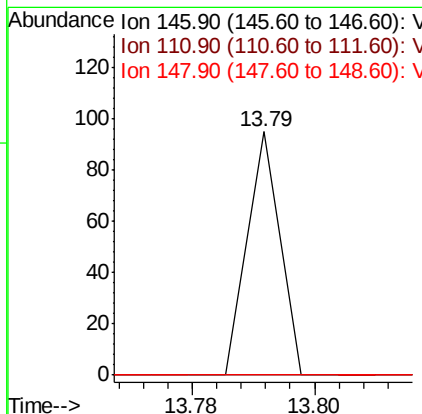
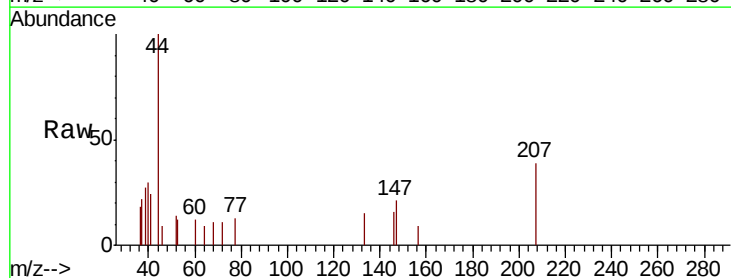
Instrument :
MSVOA_W
ClientSampleId :
PE-4(NORTH-SITE-WALL)RE

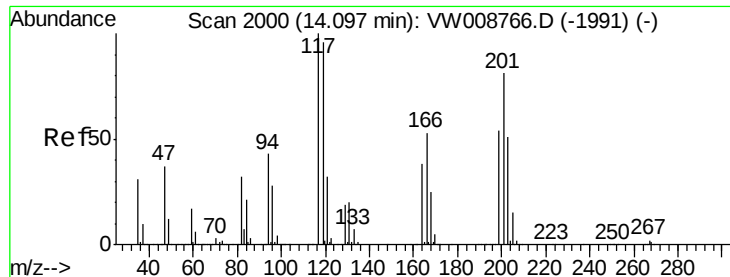
Tot Ion: 91 Resp: 56
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.6#



#88
1,4-Dichlorobenzene
Concen: 1.117 ug/l
RT: 13.79 min Scan# 1950
Delta R.T. 0.21 min
Lab File: VW008900.D
Acq: 28 Feb 2019 20:57

Tgt Ion: 146 Resp: 35
Ion Ratio Lower Upper
146 100
111 0.0 19.3 57.9#
148 0.0 31.9 95.9#





#90

Hexachloroethane

Concen: 9.415 ug/l

RT: 14.07 min Scan# 1995

Delta R.T. -0.03 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

Instrument :

MSVOA_W

ClientSampleId :

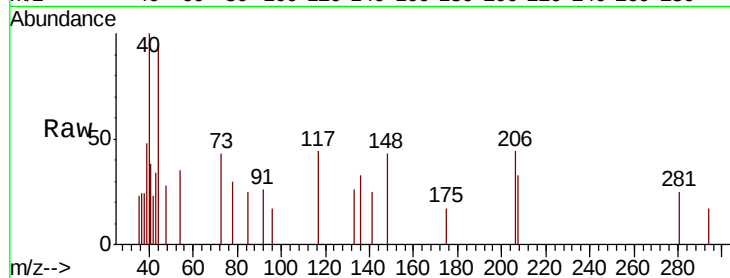
PE-4(NORTH-SITE-WALL)RE

Tot Ion:117 Resp: 99

Ion Ratio Lower Upper

117 100

201 0.0 40.3 120.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.07

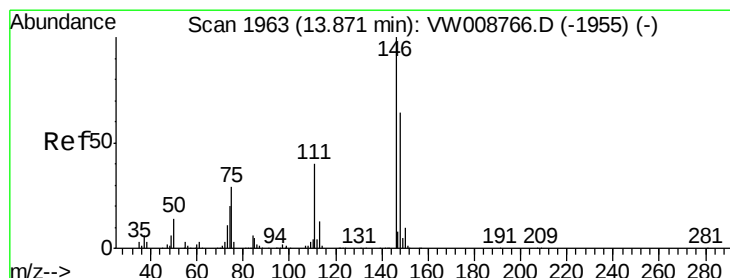
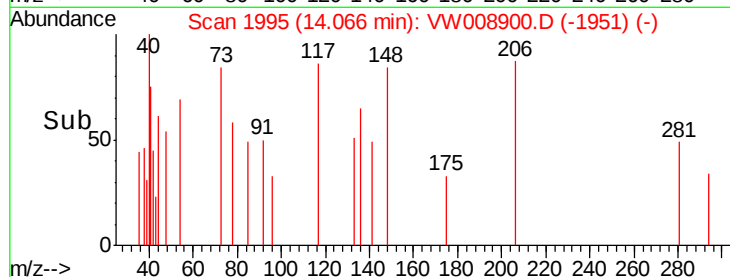
150

100

50

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 1.235 ug/l

RT: 13.79 min Scan# 1950

Delta R.T. -0.08 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

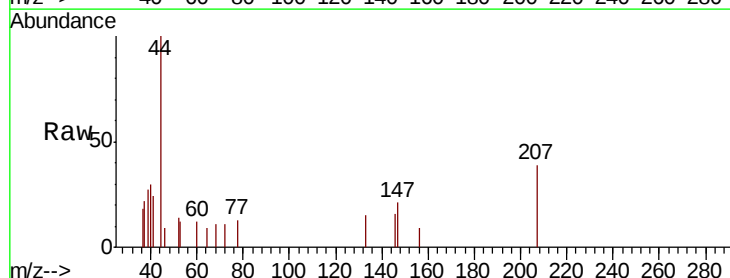
Tgt Ion:146 Resp: 35

Ion Ratio Lower Upper

146 100

111 0.0 20.3 60.8#

148 0.0 32.5 97.5#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.79

120

100

80

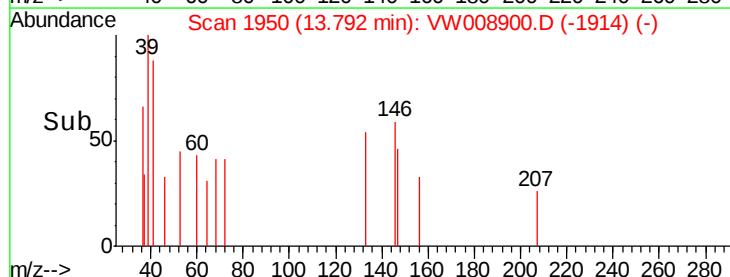
60

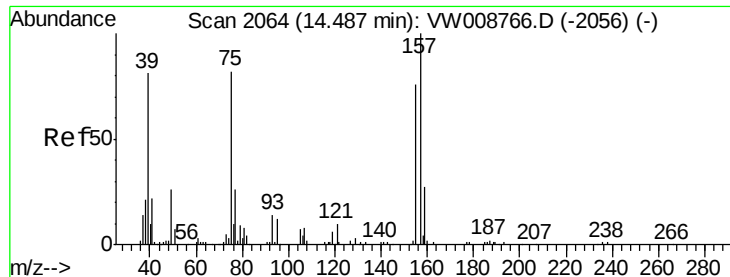
40

20

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 13.042 ug/l

RT: 14.46 min Scan# 2059

Delta R.T. -0.03 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

Instrument :

MSVOA_W

ClientSampleId :

PE-4(NORTH-SITE-WALL)RE

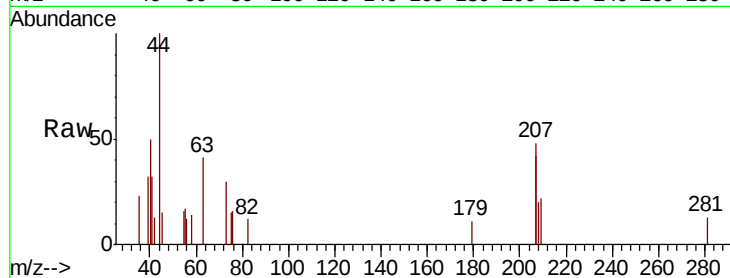
Tot Ion: 75 Resp: 25

Ion Ratio Lower Upper

75 100

155 0.0 41.8 125.4#

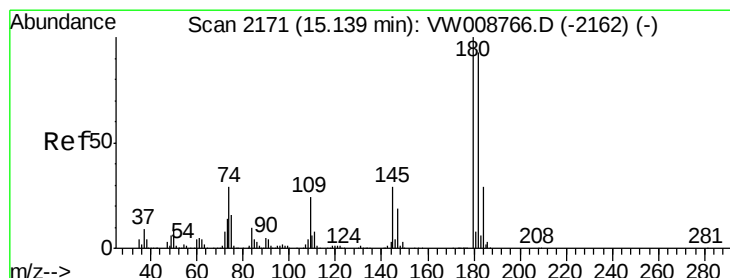
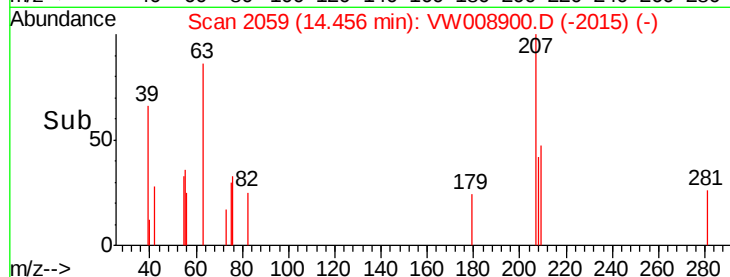
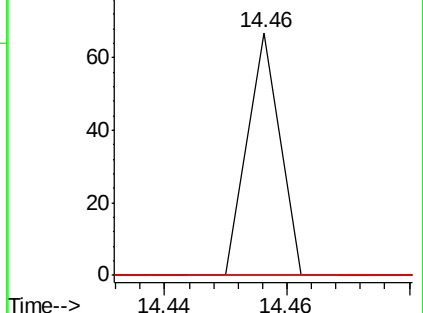
157 0.0 56.6 169.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 1.029 ug/l

RT: 15.00 min Scan# 2149

Delta R.T. -0.13 min

Lab File: VW008900.D

Acq: 28 Feb 2019 20:57

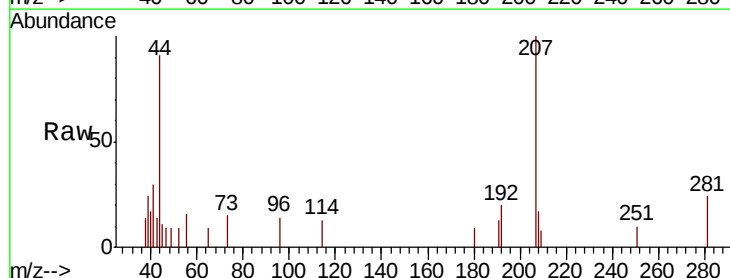
Tgt Ion:180 Resp: 21

Ion Ratio Lower Upper

180 100

182 0.0 47.2 141.6#

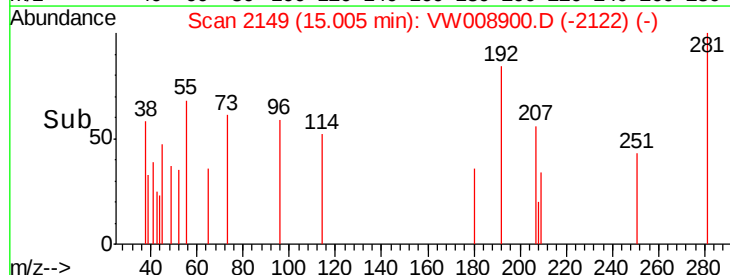
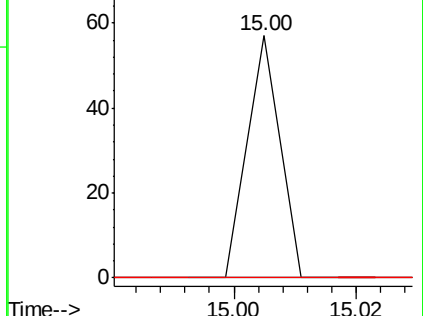
145 0.0 14.4 43.0#

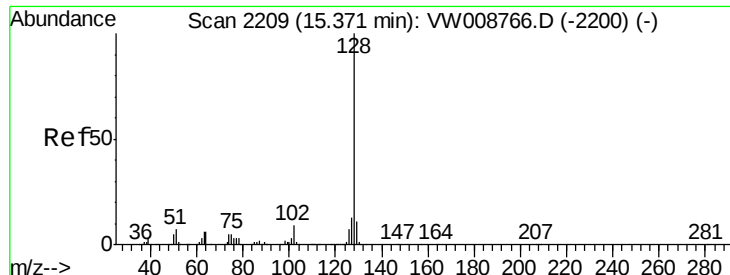


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 1.496 ug/l

RT: 15.41 min Scan# 2216

Delta R.T. 0.04 min

Lab File: VW008900.D

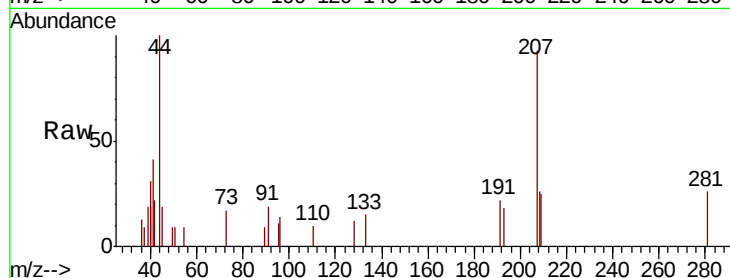
Acq: 28 Feb 2019 20:57

Instrument :

MSVOA_W

ClientSampleId :

PE-4(NORTH-SITE-WALL)RE



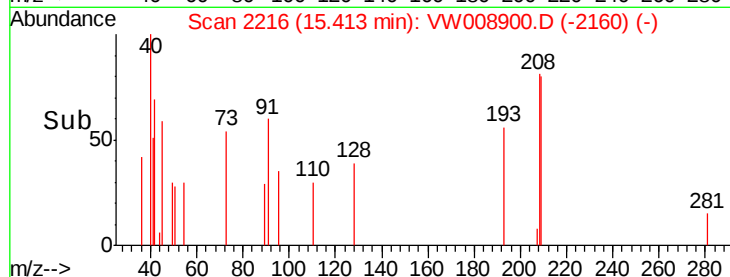
Tot Ion:128 Resp: 52

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

