

Data File : VW005928.D
Acq On : 09 Oct 2018 07:29
Operator : SY/AP
Sample : J5287-05
Misc : 5.11G/5ML/MSVOA_W/SOIL
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TRACK-D-4

Quant Time: Oct 09 08:17:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 02:14:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	28158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	45873	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	41640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	17374	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	10840	39.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.32%	
35) Dibromofluoromethane	7.89	113	10534	35.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.94%	
50) Toluene-d8	10.33	98	34576	30.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.36%	
62) 4-Bromofluorobenzene	12.62	95	12720	29.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.34%	

Target Compounds

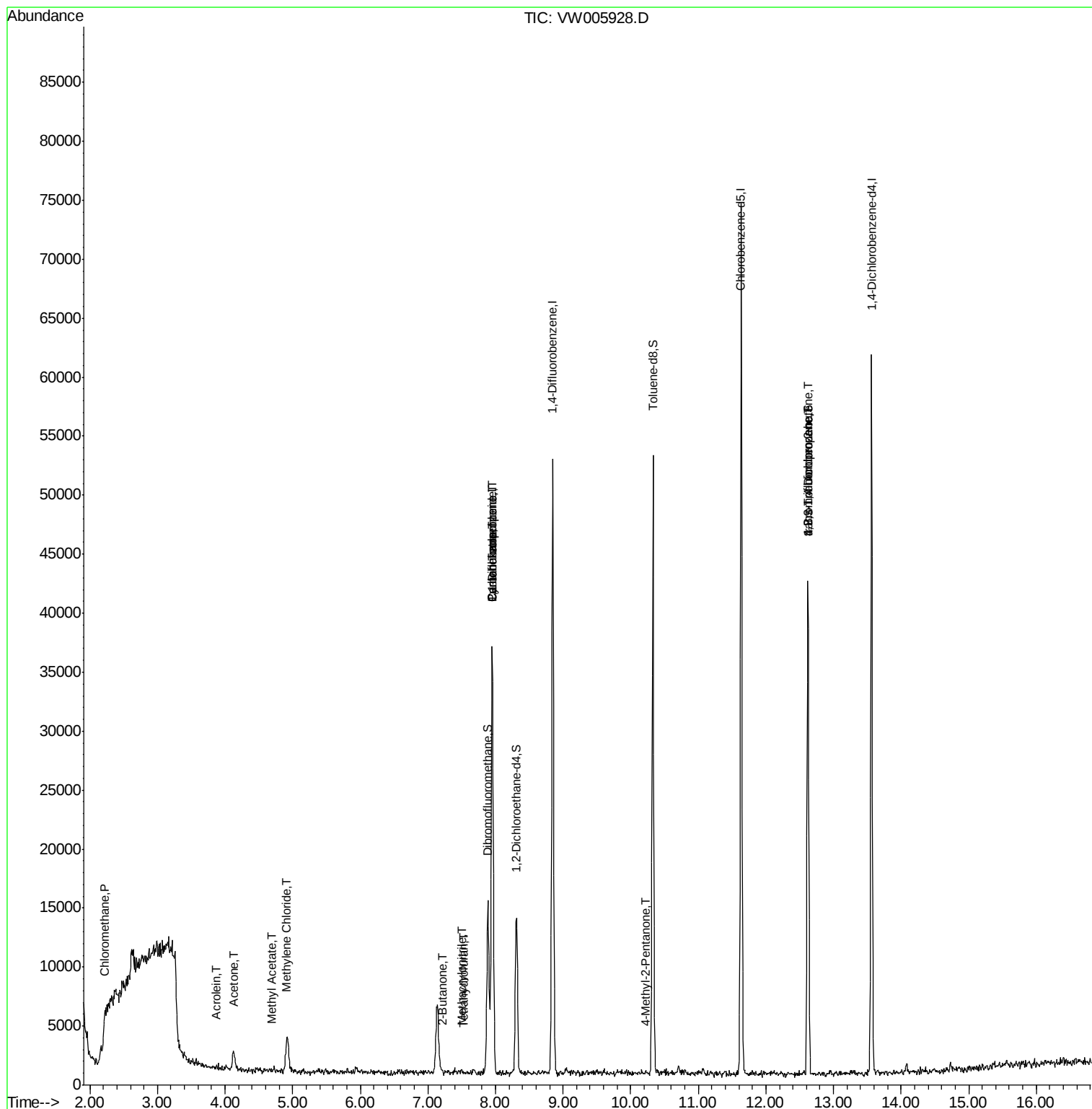
						Qvalue
3) Chloromethane	2.21	50	193	1.189	ug/l #	41
13) Acrolein	3.88	56	21	1.176	ug/l #	1
16) Acetone	4.12	43	2607	47.747	ug/l #	88
18) Methyl Acetate	4.69	43	187	1.357	ug/l #	51
20) Methylene Chloride	4.92	84	2362	8.635	ug/l	92
25) 2-Butanone	7.21	43	239	3.078	ug/l #	49
29) Tetrahydrofuran	7.53	42	80	1.630	ug/l #	34
31) Cyclohexane	7.95	56	670	1.400	ug/l #	42
36) 1,1-Dichloropropene	7.95	75	2027	4.612	ug/l #	46
38) Carbon Tetrachloride	7.95	117	2587	5.478	ug/l #	16
41) Methacrylonitrile	7.50	41	152	1.304	ug/l #	34
51) 4-Methyl-2-Pentanone	10.22	43	242	1.278	ug/l #	37
76) 1,2,3-Trichloropropane	12.62	75	6432	41.444	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	6432	87.493	ug/l #	11

(#) = 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: VW005928.D

Acq: 09 Oct 2018 07:29

Instrument :

MSVOA_W

ClientSampleId :

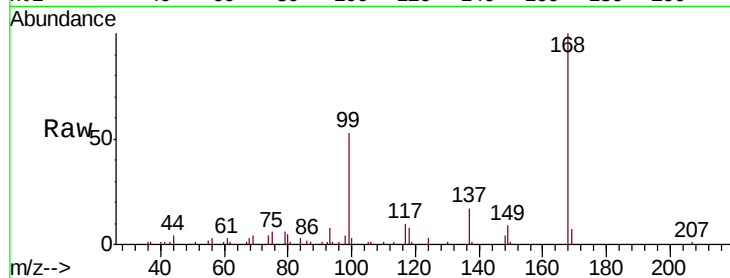
TRACK-D-4

Tgt Ion:168 Resp: 28158

Ion Ratio Lower Upper

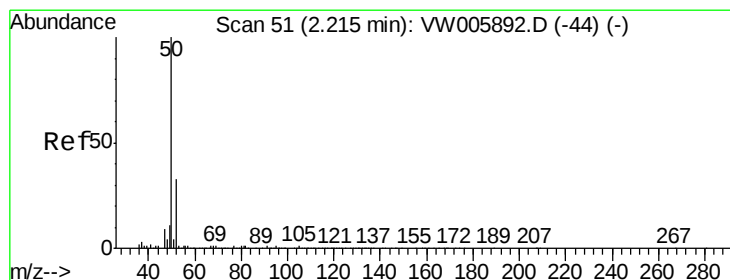
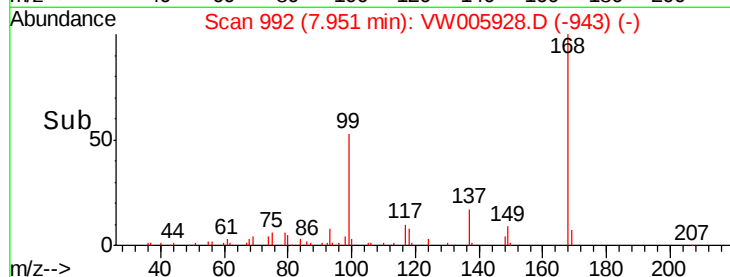
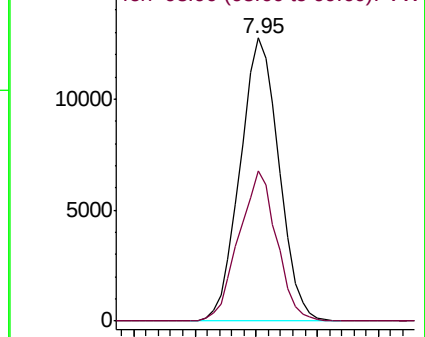
168 100

99 53.2 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 1.189 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW005928.D

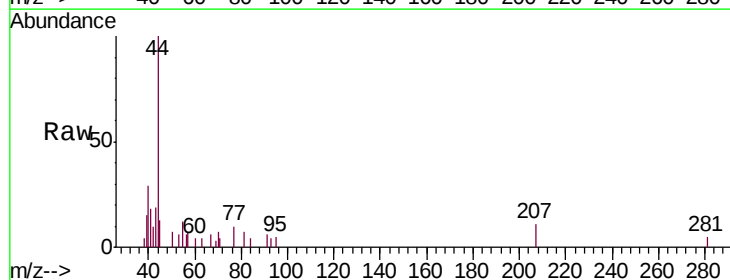
Acq: 09 Oct 2018 07:29

Tgt Ion: 50 Resp: 193

Ion Ratio Lower Upper

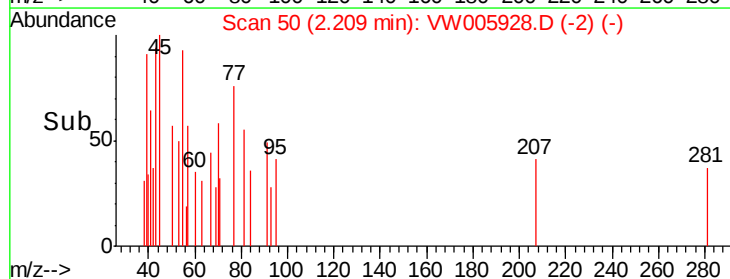
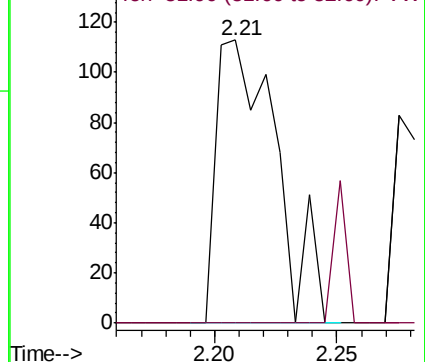
50 100

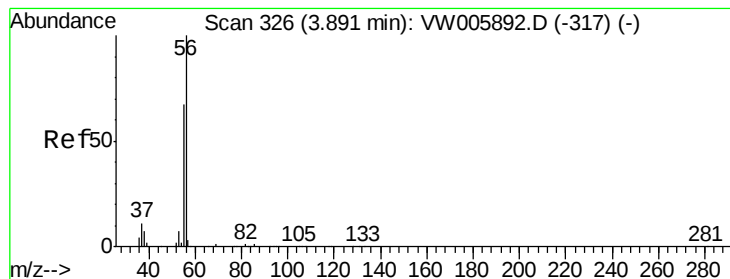
52 0.0 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#13

Acrolein

Concen: 1.176 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW005928.D

Acq: 09 Oct 2018 07:29

Instrument :

MSVOA_W

ClientSampled :

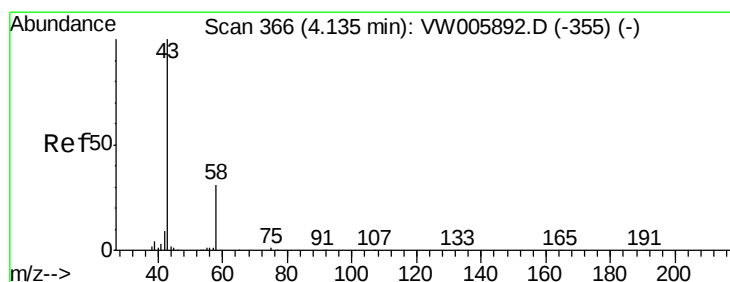
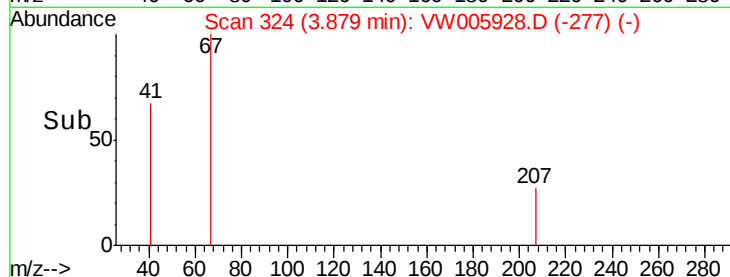
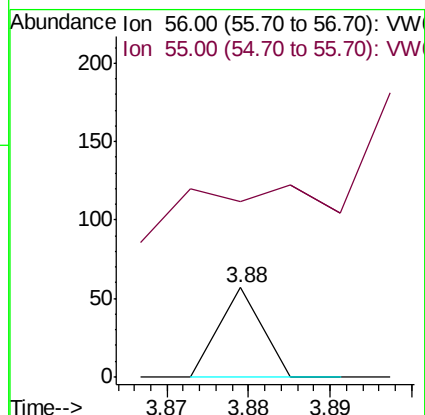
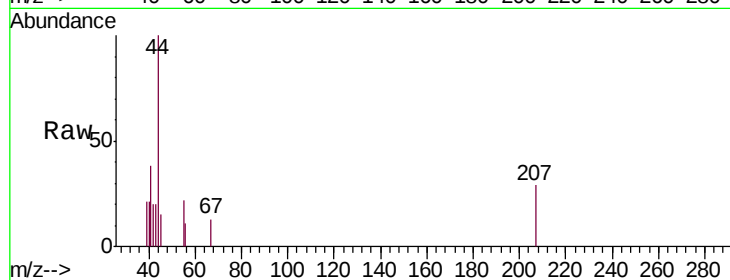
TRACK-D-4

Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 285.7 54.6 82.0#



#16

Acetone

Concen: 47.747 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005928.D

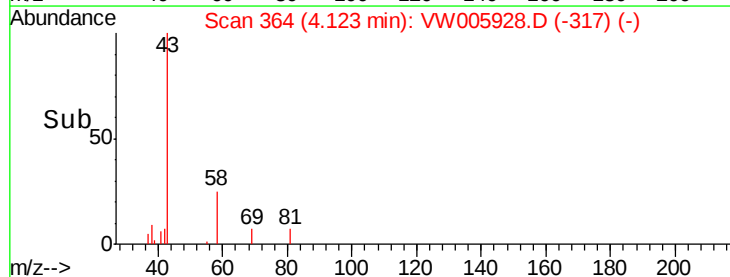
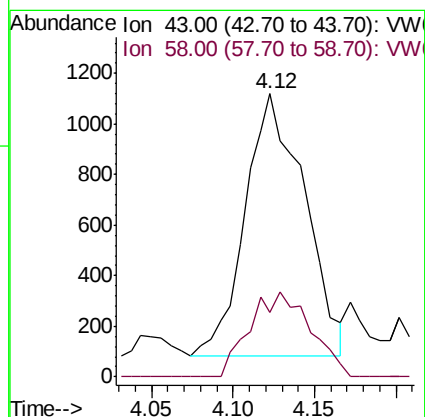
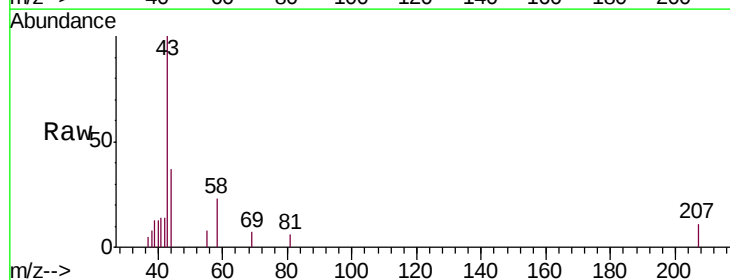
Acq: 09 Oct 2018 07:29

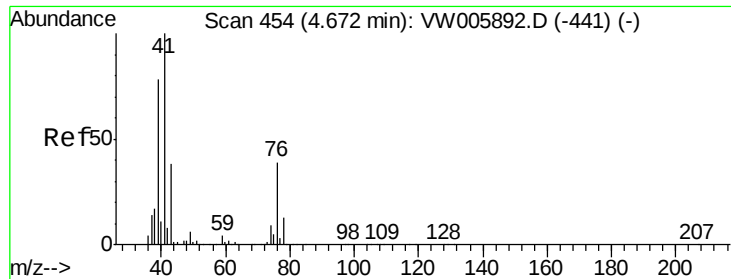
Tgt Ion: 43 Resp: 2607

Ion Ratio Lower Upper

43 100

58 24.5 24.7 37.1#

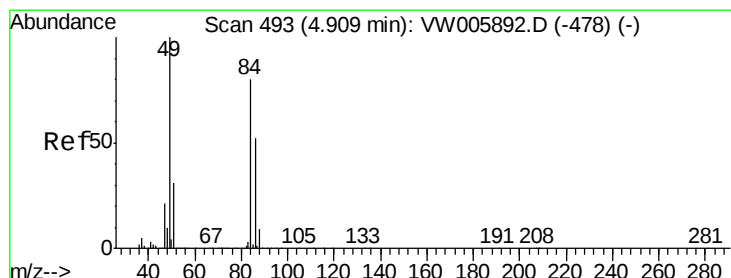
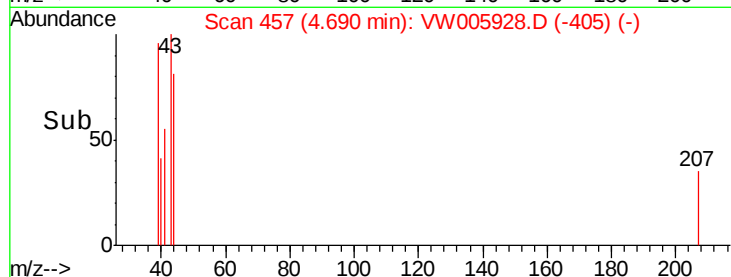
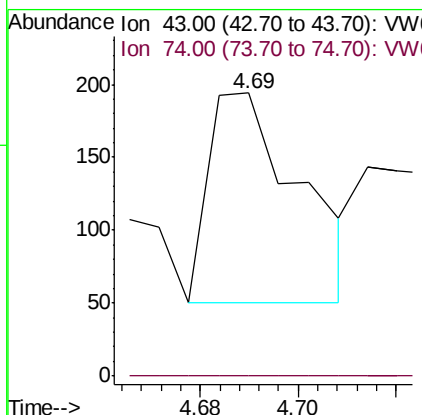
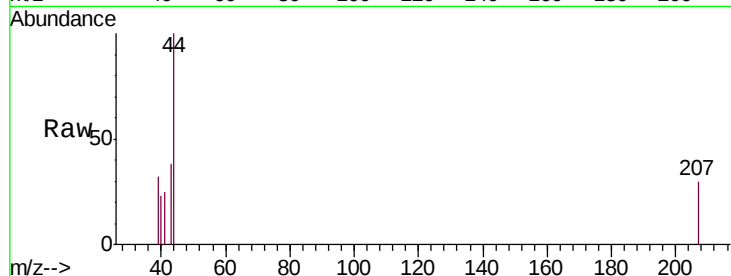




#18
Methyl Acetate
Concen: 1.357 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.02 min
Lab File: VW005928.D
Acq: 09 Oct 2018 07:29

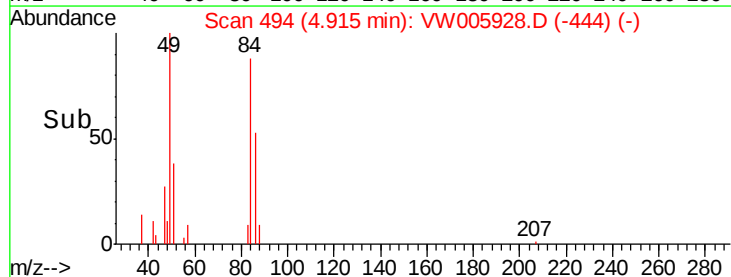
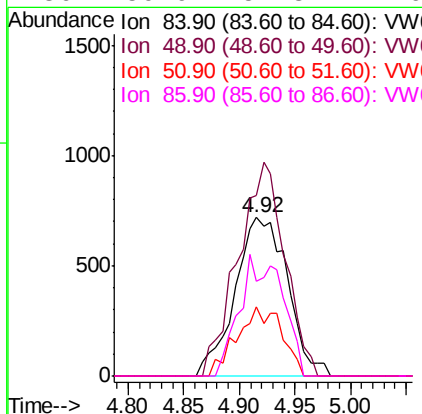
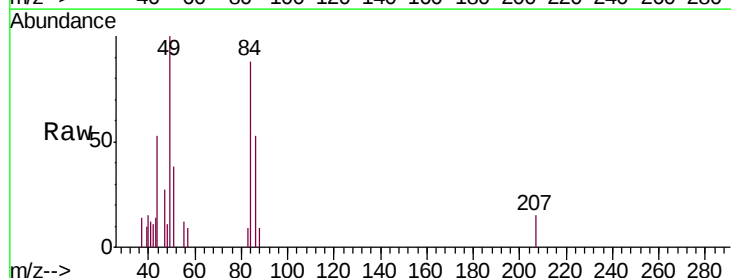
Instrument :
MSVOA_W
ClientSampled :
TRACK-D-4

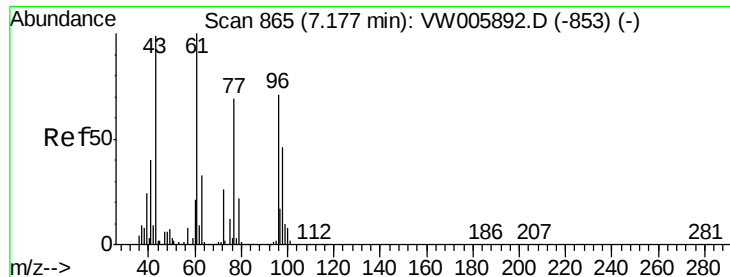
Tgt Ion: 43 Resp: 187
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#20
Methylene Chloride
Concen: 8.635 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW005928.D
Acq: 09 Oct 2018 07:29

Tgt Ion: 84 Resp: 2362
Ion Ratio Lower Upper
84 100
49 114.1 99.9 149.9
51 43.5 31.1 46.7
86 59.9 51.8 77.6





#25

2-Butanone

Concen: 3.078 ug/l

RT: 7.21 min Scan# 870

Delta R.T. 0.03 min

Lab File: VW005928.D

Acq: 09 Oct 2018 07:29

Instrument :

MSVOA_W

ClientSampled :

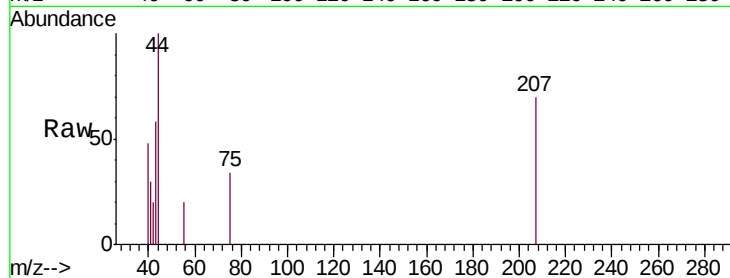
TRACK-D-4

Tgt Ion: 43 Resp: 239

Ion Ratio Lower Upper

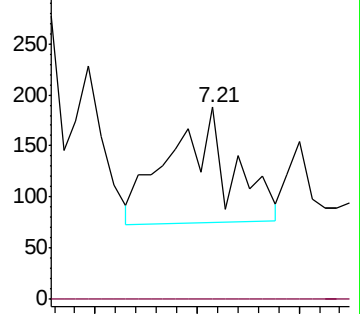
43 100

72 0.0 21.0 31.4#

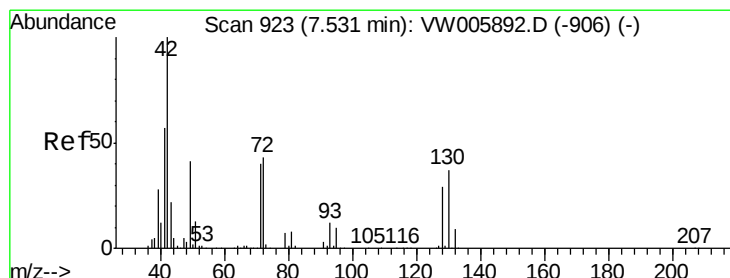
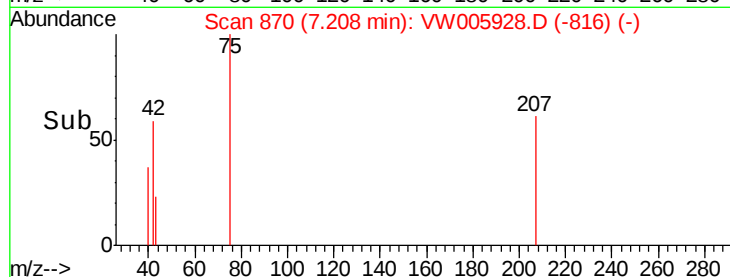


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#29

Tetrahydrofuran

Concen: 1.630 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW005928.D

Acq: 09 Oct 2018 07:29

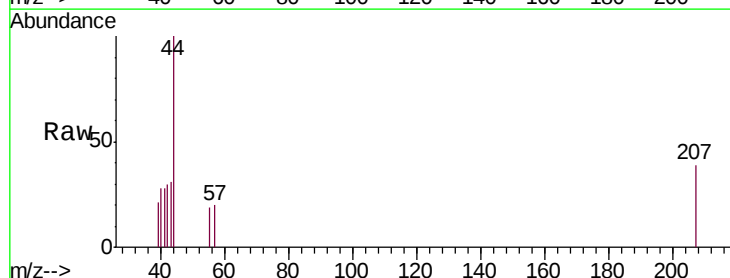
Tgt Ion: 42 Resp: 80

Ion Ratio Lower Upper

42 100

72 0.0 34.6 51.8#

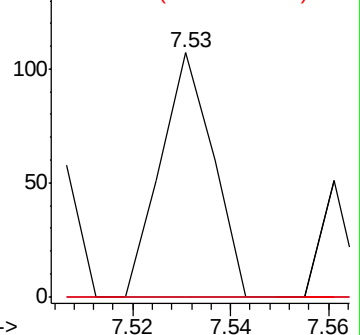
71 0.0 32.6 49.0#



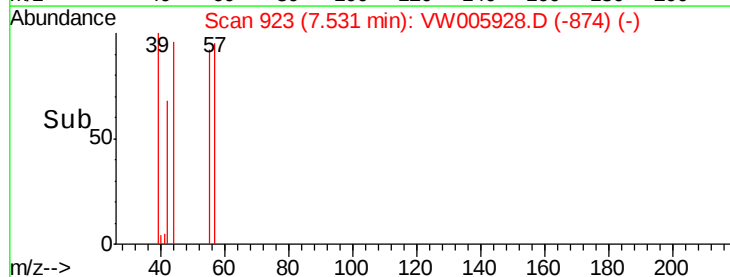
Abundance Ion 42.00 (41.70 to 42.70): VW

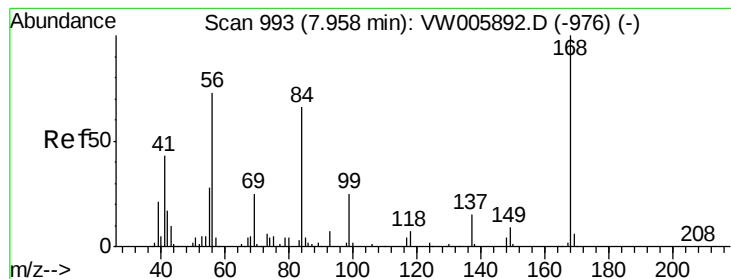
Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



Time-->





#31

Cyclohexane

Concen: 1.400 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005928.D

Acq: 09 Oct 2018 07:29

Instrument :

MSVOA_W

ClientSampleId :

TRACK-D-4

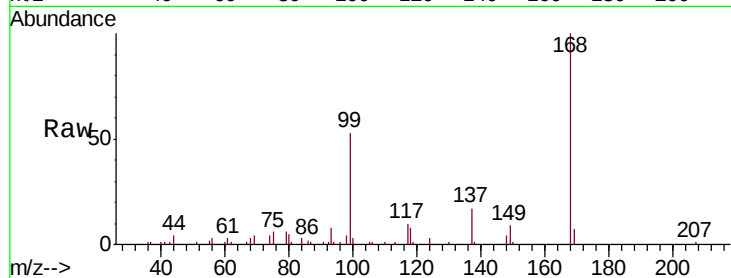
Tgt Ion: 56 Resp: 670

Ion Ratio Lower Upper

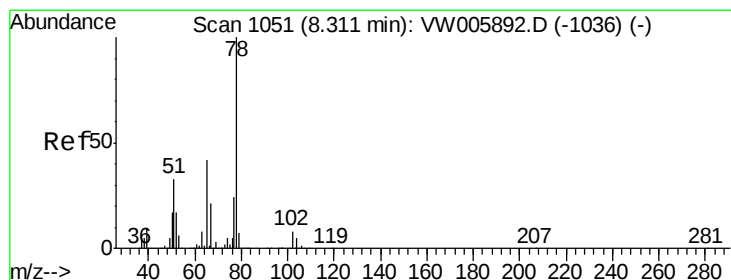
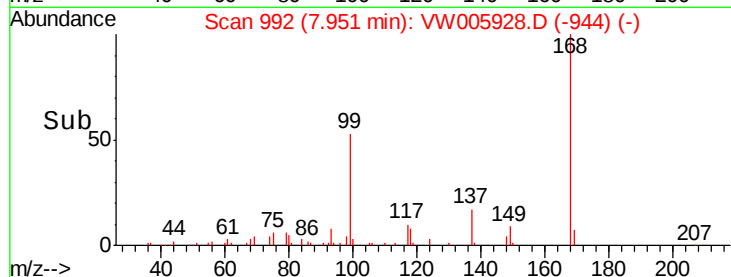
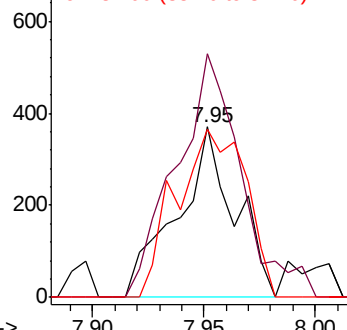
56 100

69 143.0 27.9 41.9#

84 98.9 72.3 108.5



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: 39.656 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW005928.D

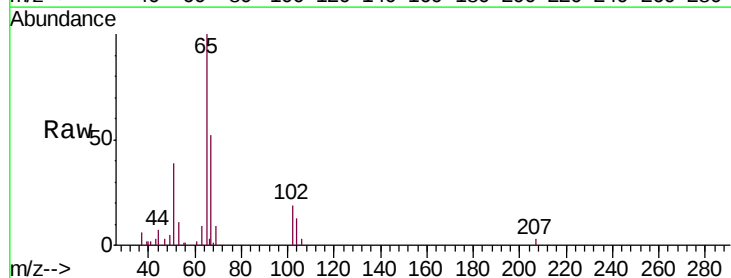
Acq: 09 Oct 2018 07:29

Tgt Ion: 65 Resp: 10840

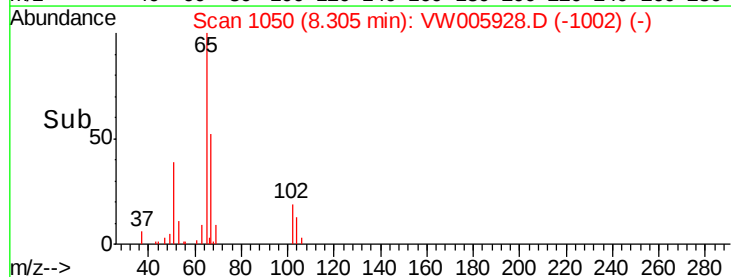
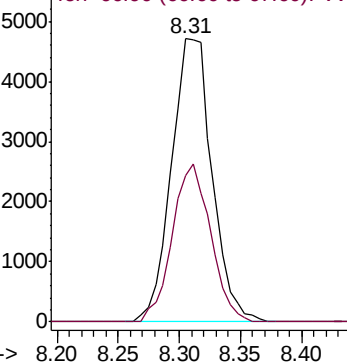
Ion Ratio Lower Upper

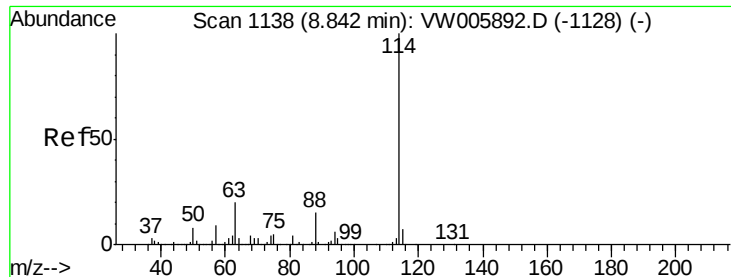
65 100

67 52.7 0.0 104.6



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: VW005928.D

Acq: 09 Oct 2018 07:29

Instrument :

MSVOA_W

ClientSampleId :

TRACK-D-4

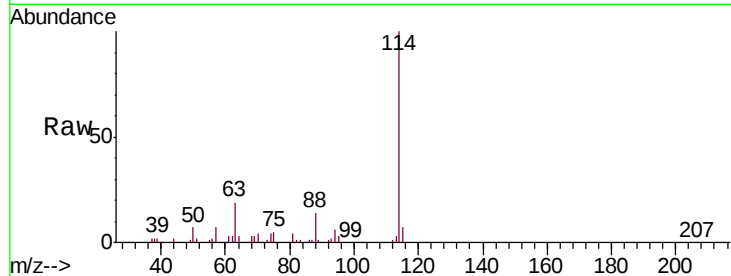
Tgt Ion:114 Resp: 45873

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.2

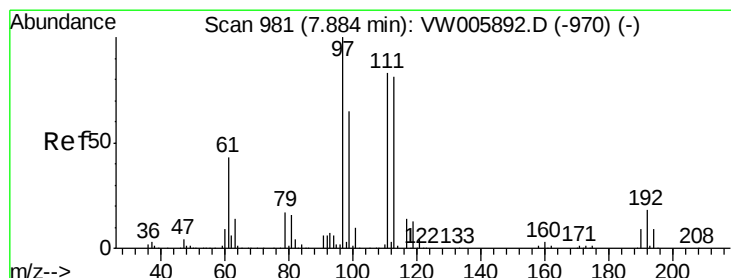
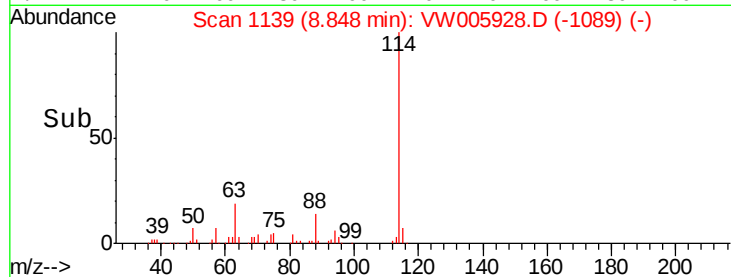
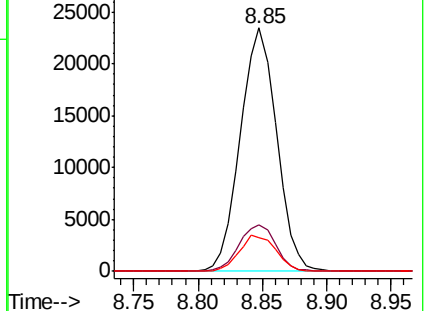
88 13.7 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 35.967 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW005928.D

Acq: 09 Oct 2018 07:29

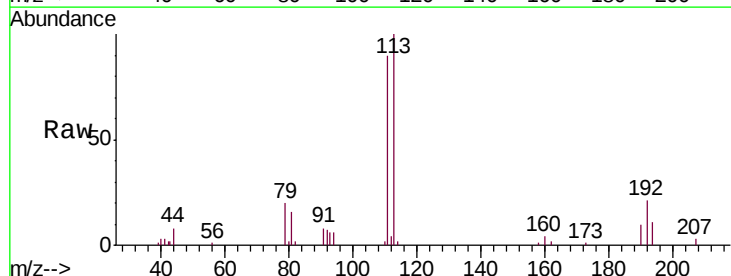
Tgt Ion:113 Resp: 10534

Ion Ratio Lower Upper

113 100

111 101.4 82.0 123.0

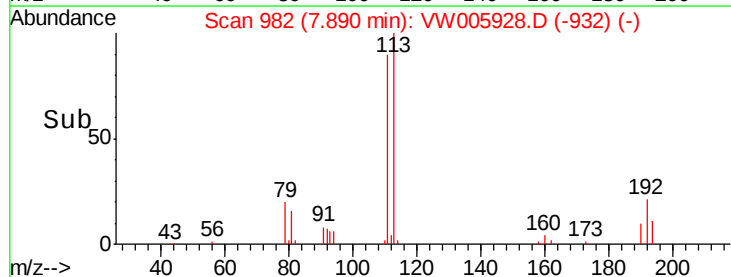
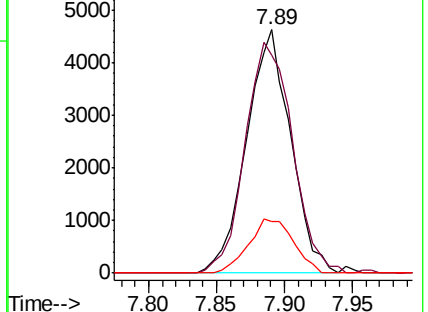
192 22.6 18.3 27.5

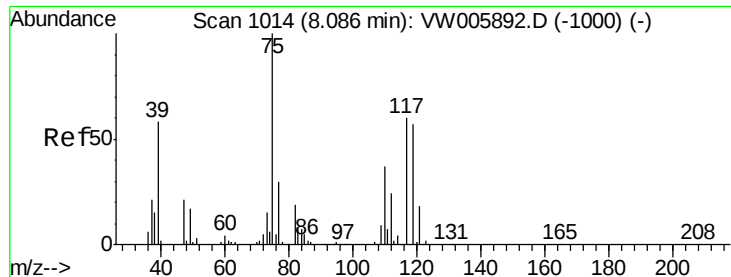


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

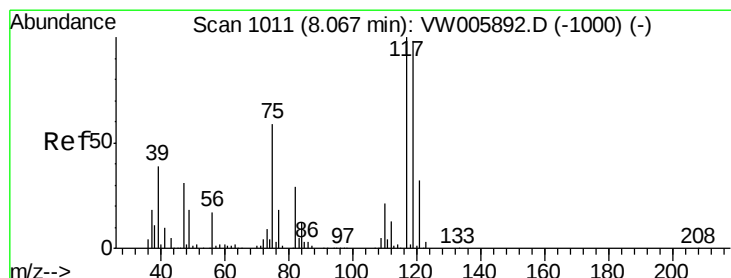
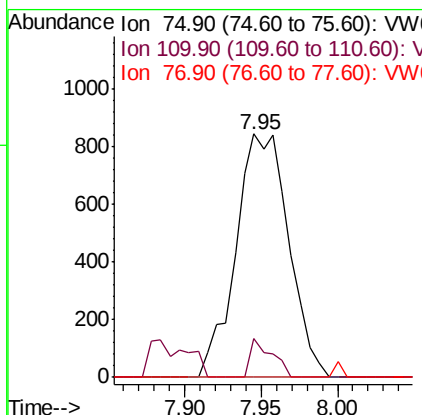
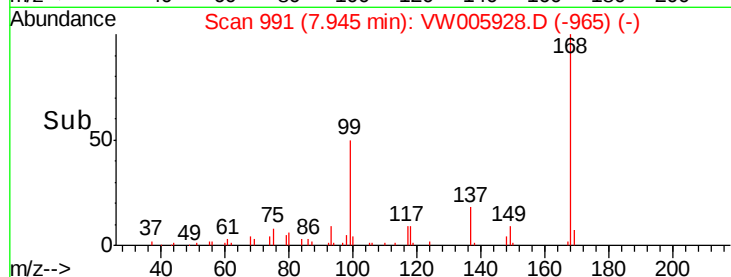
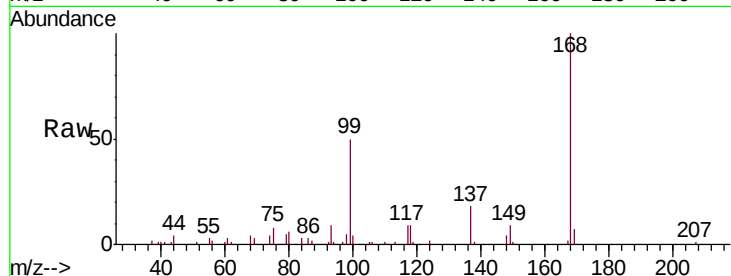




#36
 1,1-Dichloropropene
 Concen: 4.612 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW005928.D
 Acq: 09 Oct 2018 07:29

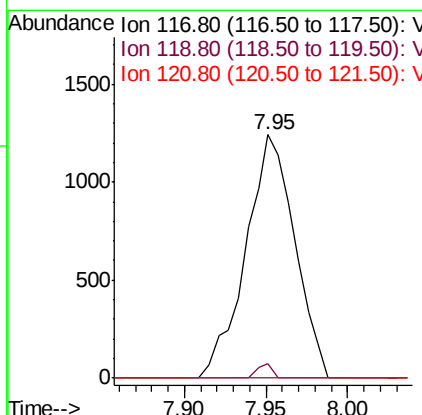
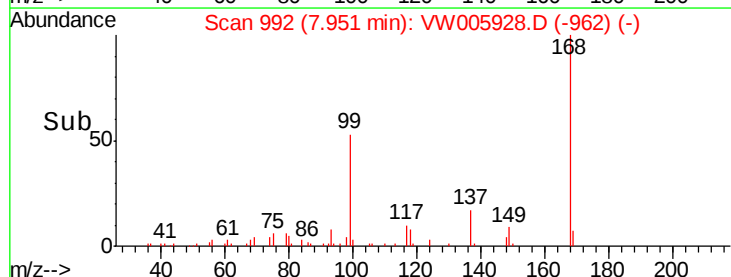
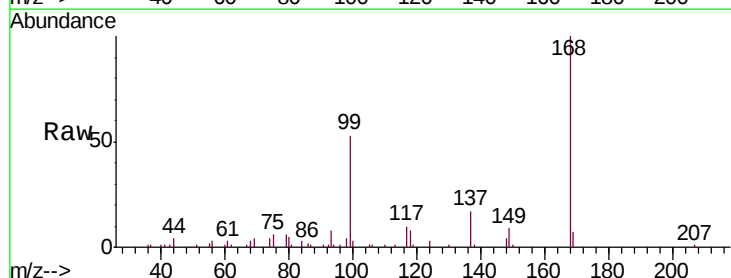
Instrument :
 MSVOA_W
 ClientSampled :
 TRACK-D-4

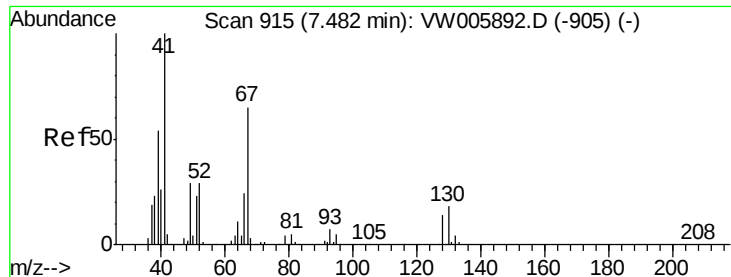
Tgt Ion: 75 Resp: 2027
 Ion Ratio Lower Upper
 75 100
 110 6.5 18.6 56.0#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.478 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005928.D
 Acq: 09 Oct 2018 07:29

Tgt Ion: 117 Resp: 2587
 Ion Ratio Lower Upper
 117 100
 119 6.1 78.6 117.8#
 121 0.0 25.3 37.9#





#41

Methacrylonitrile

Concen: 1.304 ug/l

RT: 7.50 min Scan# 918

Delta R.T. 0.02 min

Lab File: VW005928.D

Acq: 09 Oct 2018 07:29

Instrument :

MSVOA_W

ClientSampleId :

TRACK-D-4

Tgt Ion: 41 Resp: 152

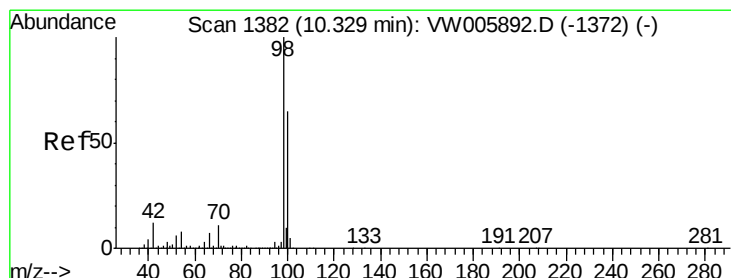
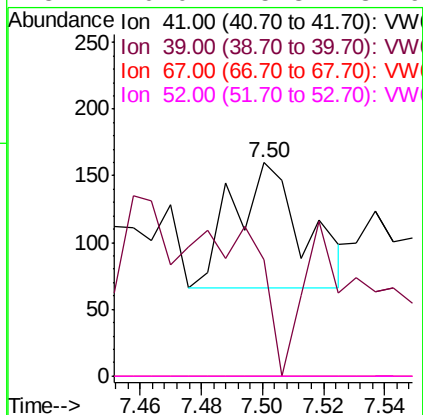
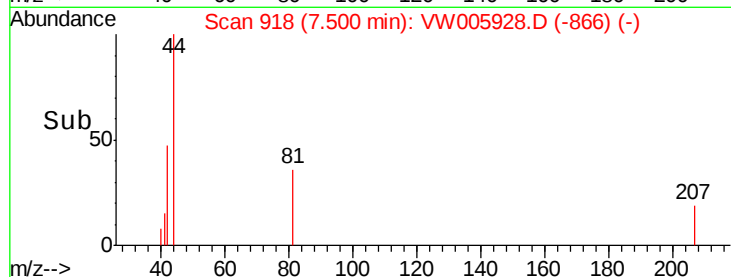
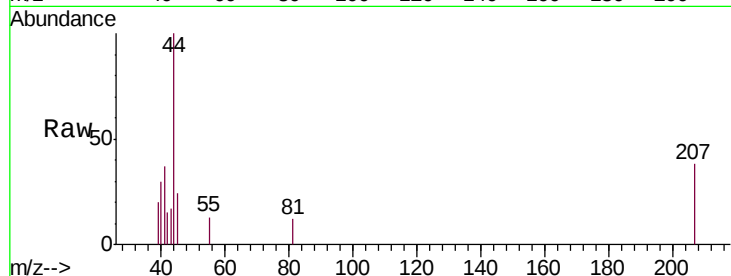
Ion Ratio Lower Upper

41 100

39 90.1 45.0 67.4#

67 0.0 55.8 83.8#

52 0.0 25.3 37.9#



#50

Toluene-d8

Concen: 30.684 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005928.D

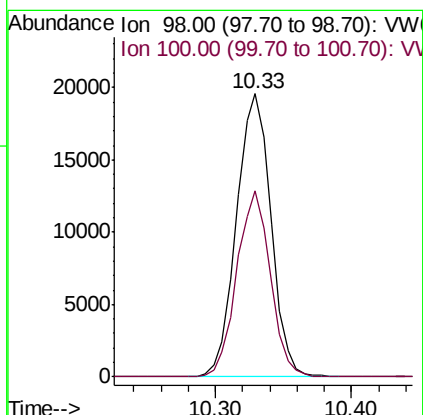
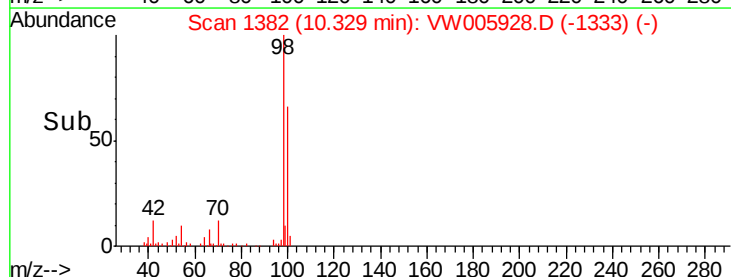
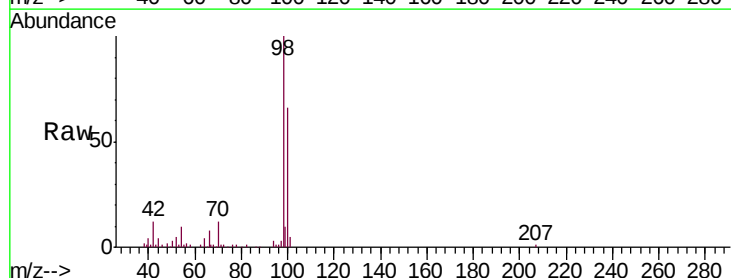
Acq: 09 Oct 2018 07:29

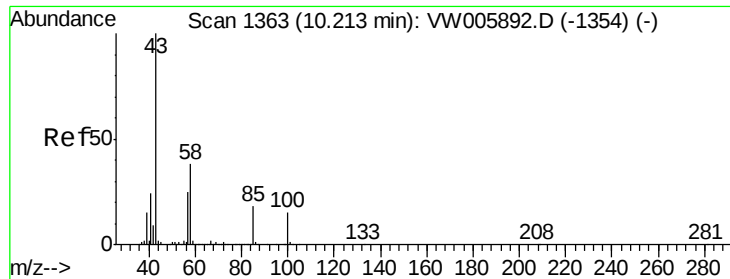
Tgt Ion: 98 Resp: 34576

Ion Ratio Lower Upper

98 100

100 64.0 51.9 77.9

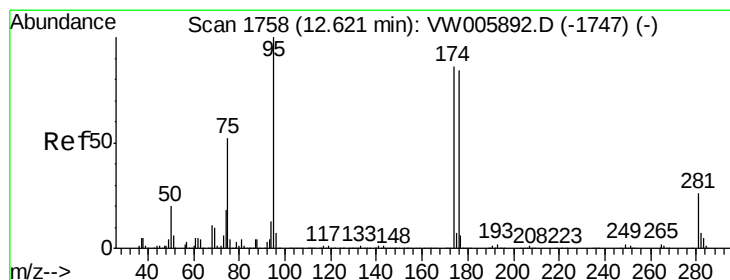
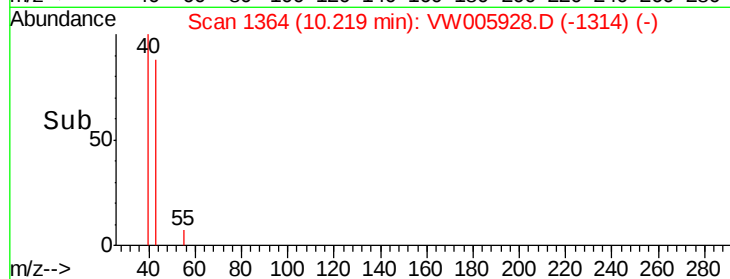
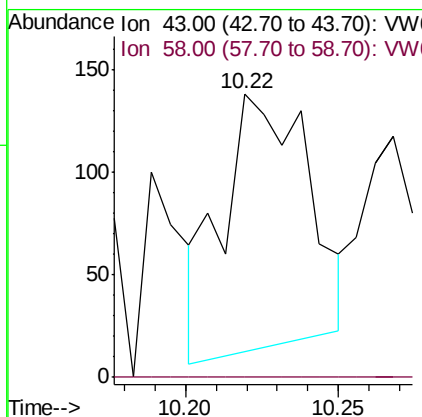
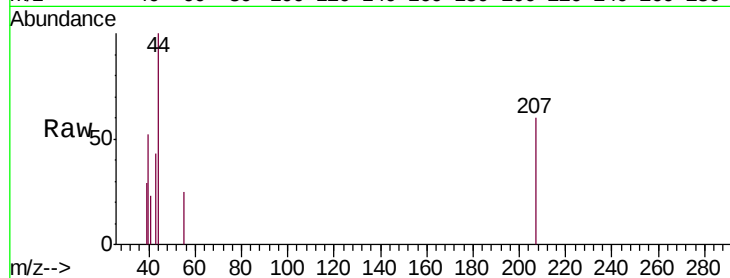




#51
 4-Methyl-2-Pentanone
 Concen: 1.278 ug/l
 RT: 10.22 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VW005928.D
 Acq: 09 Oct 2018 07:29

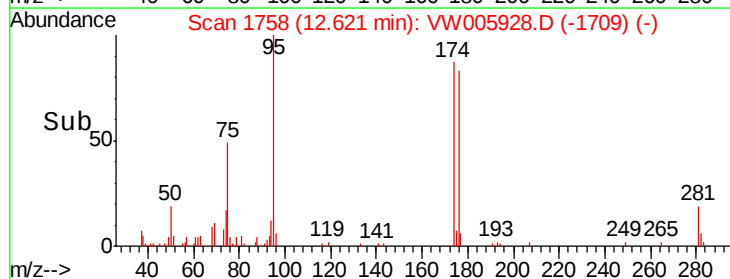
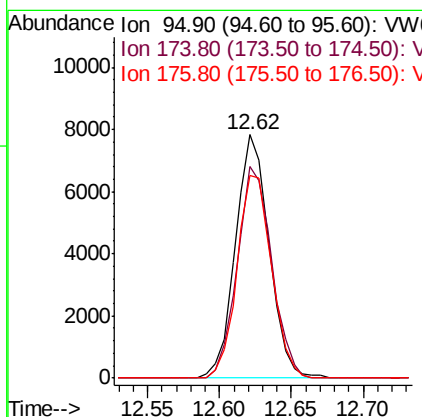
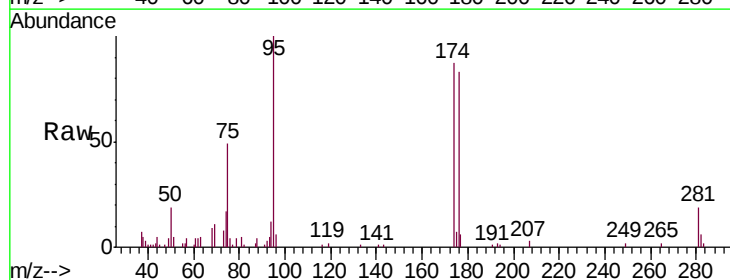
Instrument :
 MSVOA_W
 ClientSampleId :
 TRACK-D-4

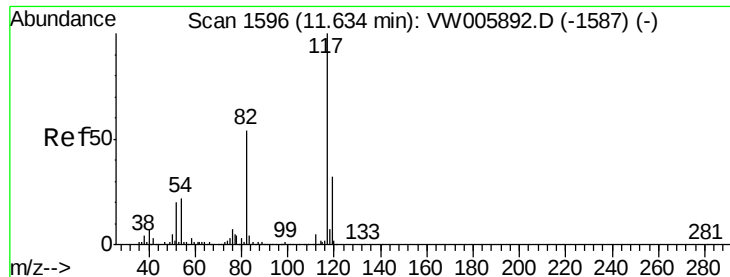
Tgt Ion: 43 Resp: 242
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.2 45.4#



#62
 4-Bromofluorobenzene
 Concen: 29.670 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW005928.D
 Acq: 09 Oct 2018 07:29

Tgt Ion: 95 Resp: 12720
 Ion Ratio Lower Upper
 95 100
 174 88.7 0.0 176.4
 176 85.2 0.0 173.0

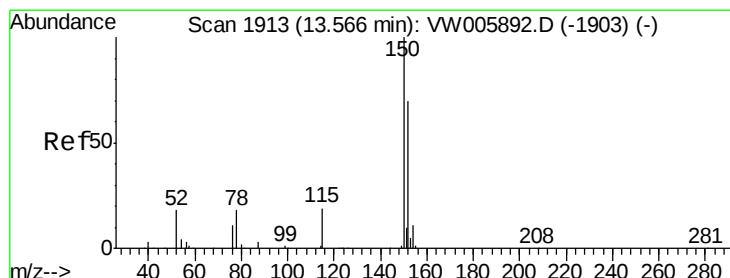
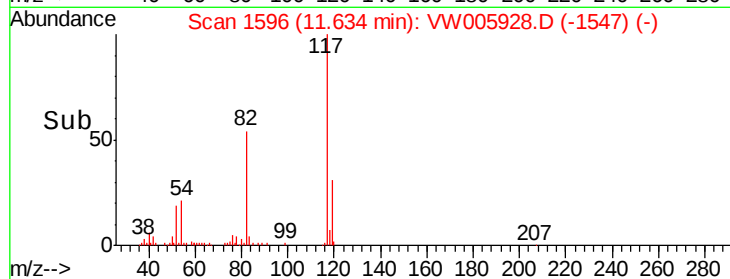
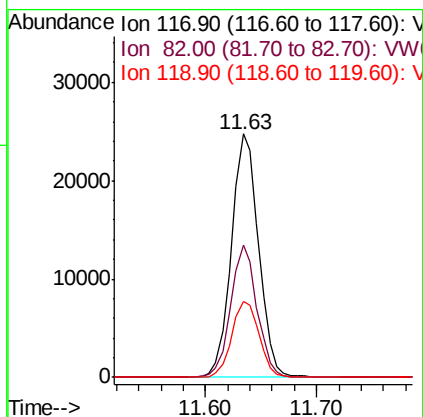
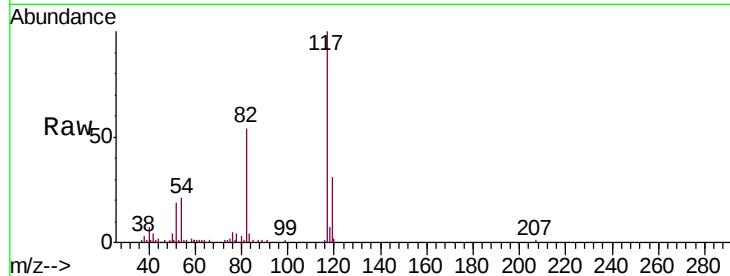




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005928.D
Acq: 09 Oct 2018 07:29

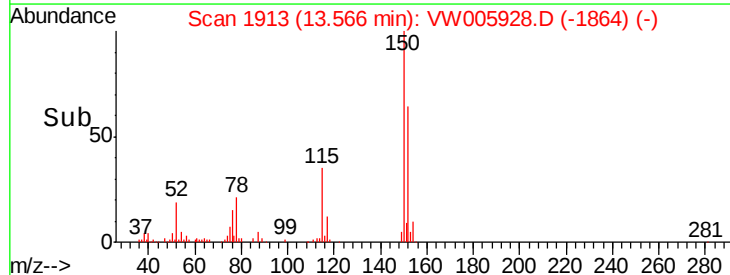
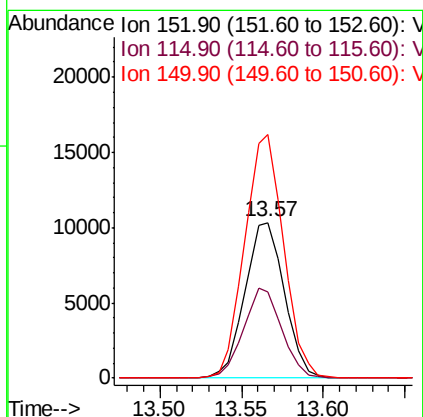
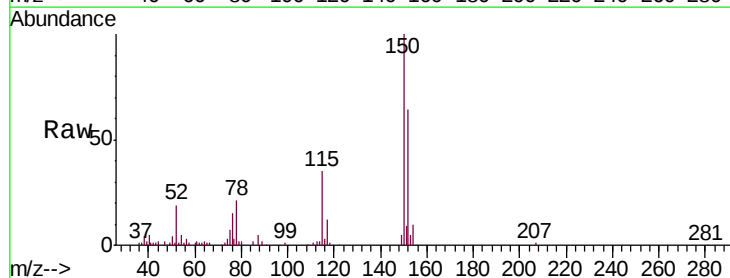
Instrument :
MSVOA_W
ClientSampleId :
TRACK-D-4

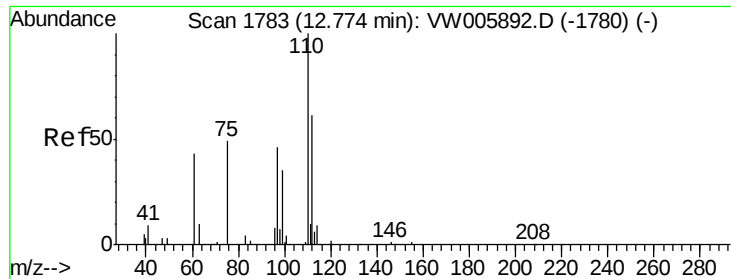
Tgt Ion:117 Resp: 41640
Ion Ratio Lower Upper
117 100
82 54.3 43.5 65.3
119 31.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005928.D
Acq: 09 Oct 2018 07:29

Tgt Ion:152 Resp: 17374
Ion Ratio Lower Upper
152 100
115 56.1 28.3 85.0
150 154.0 0.0 349.2

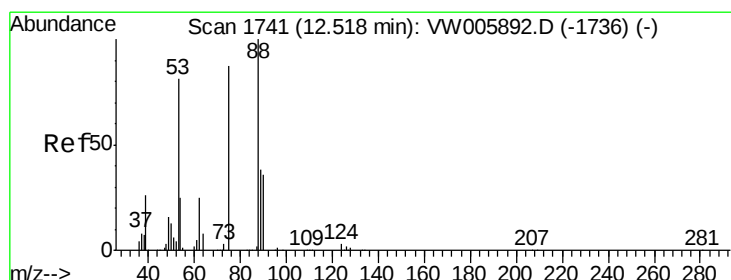
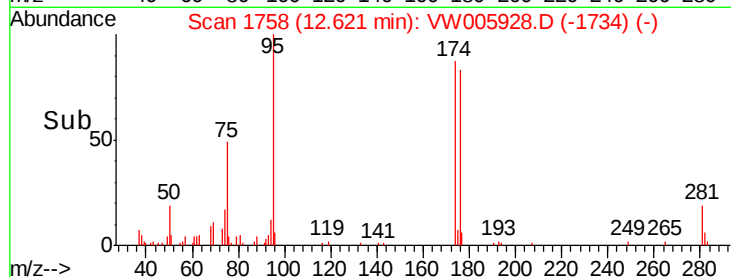
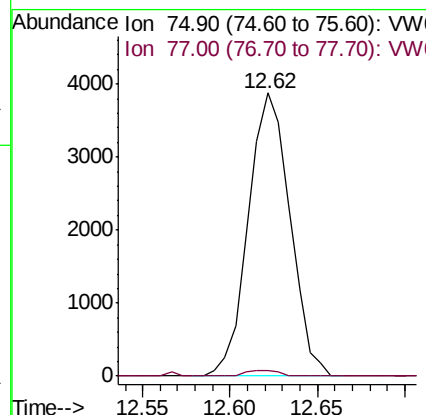
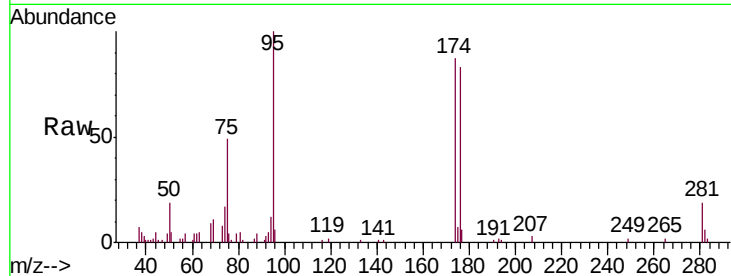




#76
 1,2,3-Trichloropropane
 Concen: 41.444 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005928.D
 Acq: 09 Oct 2018 07:29

Instrument :
 MSVOA_W
 ClientSampleId :
 TRACK-D-4

Tgt Ion: 75 Resp: 6432
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.493 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW005928.D
 Acq: 09 Oct 2018 07:29

Tgt Ion: 75 Resp: 6432
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.5 114.7#
 89 0.0 37.6 56.4#

