

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112718\
 Data File : VW007101.D
 Acq On : 27 Nov 2018 21:00
 Operator : VAY/AP
 Sample : J6085-02
 Misc : 4.99G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 NS-OILY-STONE

Quant Time: Nov 28 00:36:19 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	94658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	158171	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	121230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	43949	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	55138	59.50	ug/l	0.00
Spiked Amount			Recovery	=	119.00%	
35) Dibromofluoromethane	7.89	113	45855	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
50) Toluene-d8	10.33	98	158834	40.27	ug/l	0.00
Spiked Amount			Recovery	=	80.54%	
62) 4-Bromofluorobenzene	12.62	95	53616	34.54	ug/l	0.00
Spiked Amount			Recovery	=	69.08%	

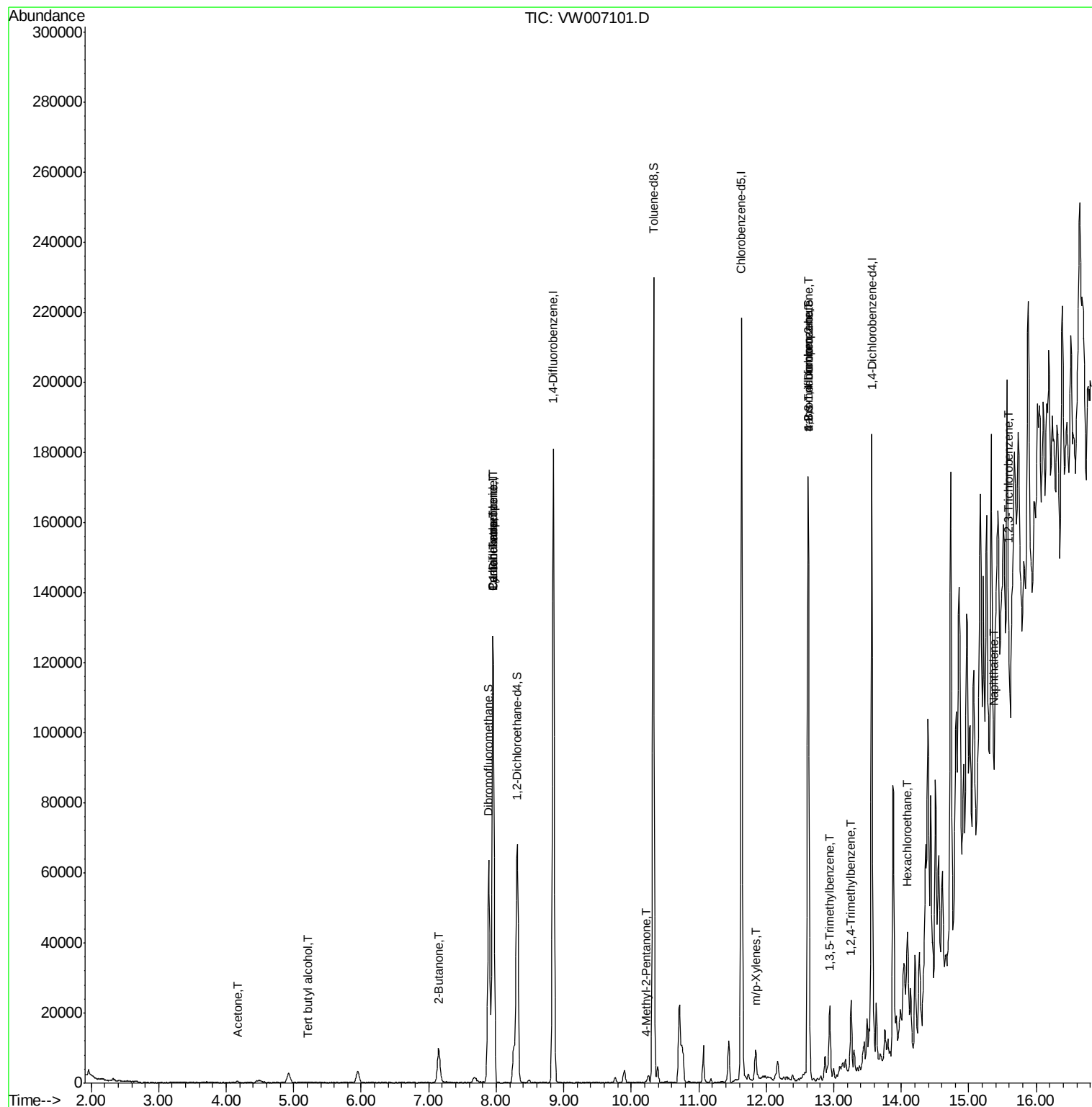
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	399	6.614	ug/l #	71
16) Acetone	4.17	43	759	5.641	ug/l #	82
20) Methylene Chloride	4.92	84	2369	Below Cal		87
25) 2-Butanone	7.14	43	235	1.020	ug/l #	48
31) Cyclohexane	7.95	56	1918	1.075	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	6871	4.445	ug/l #	49
38) Carbon Tetrachloride	7.96	117	9807	6.626	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	556	1.031	ug/l #	71
68) m/p-Xylenes	11.84	106	2445	1.341	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	25166	72.871	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	2982	1.010	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	25166	182.951	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	12197	4.145	ug/l	97
90) Hexachloroethane	14.10	117	504	1.083	ug/l #	14
95) Naphthalene	15.37	128	4925	3.135	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.59	180	2136	2.975	ug/l #	17

(#) = 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: VW007101.D

Acq: 27 Nov 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

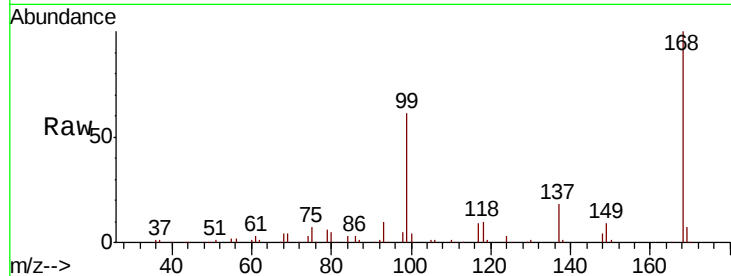
NS-OILY-STONE

Tot Ion:168 Resp: 94658

Ion Ratio Lower Upper

168 100

99 60.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

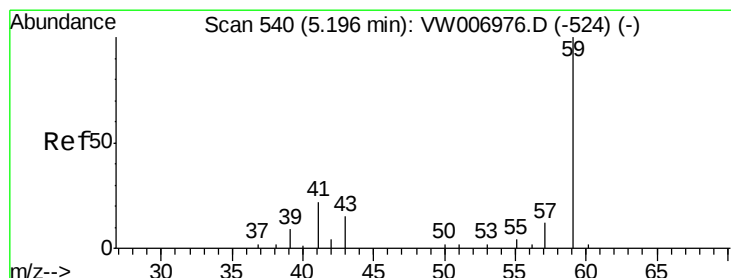
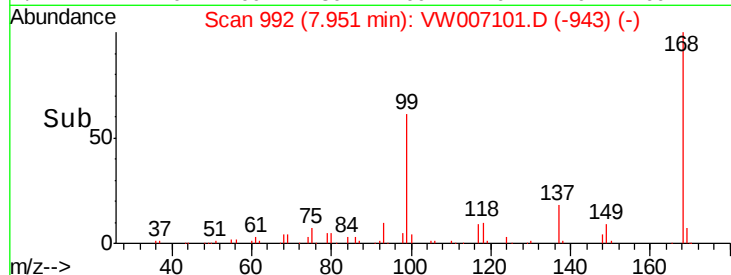
20000

10000

0

Time-->

7.90 8.00



#11

Tert butyl alcohol

Concen: 6.614 ug/l

RT: 5.21 min Scan# 543

Delta R.T. 0.02 min

Lab File: VW007101.D

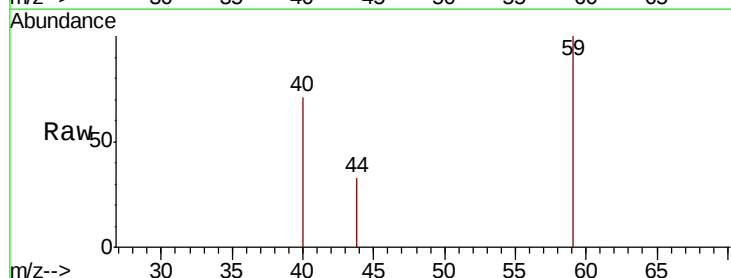
Acq: 27 Nov 2018 21:00

Tgt Ion: 59 Resp: 399

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

5.21

150

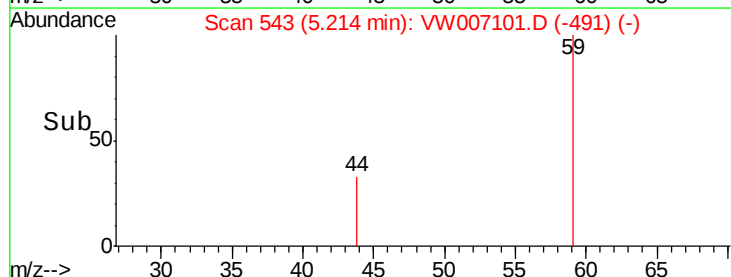
100

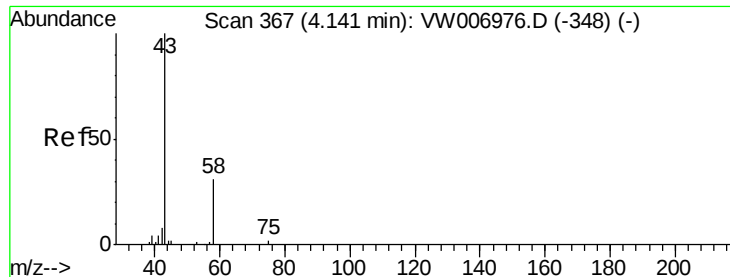
50

0

Time-->

5.15 5.20 5.25





#16

Acetone

Concen: 5.641 ug/l

RT: 4.17 min Scan# 372

Delta R.T. 0.03 min

Lab File: VW007101.D

Acq: 27 Nov 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

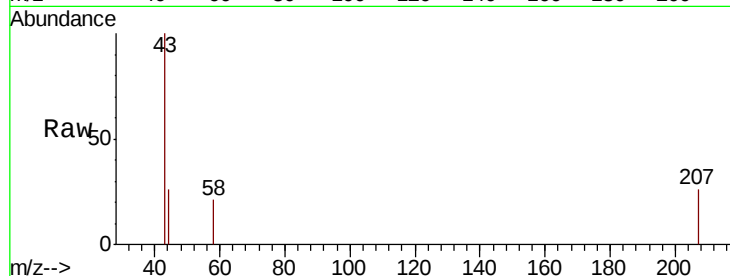
NS-OILY-STONE

Tot Ion: 43 Resp: 759

Ion Ratio Lower Upper

43 100

58 21.2 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.17

250

200

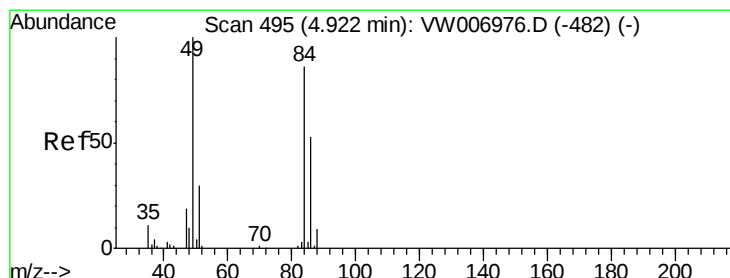
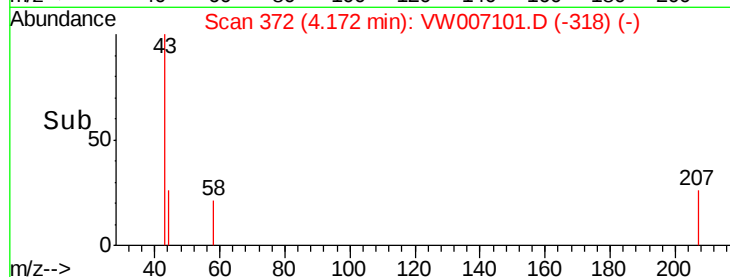
150

100

50

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW007101.D

Acq: 27 Nov 2018 21:00

Tgt Ion: 84 Resp: 2369

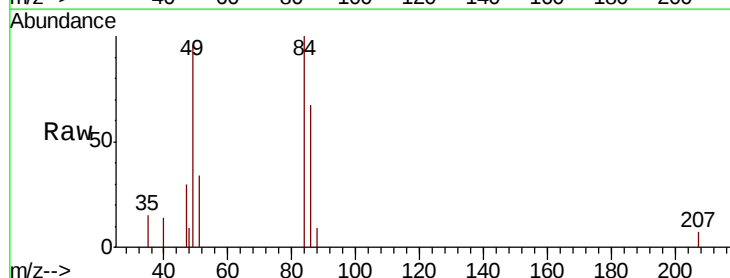
Ion Ratio Lower Upper

84 100

49 95.6 93.4 140.0

51 34.4 28.4 42.6

86 67.3 49.8 74.8



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

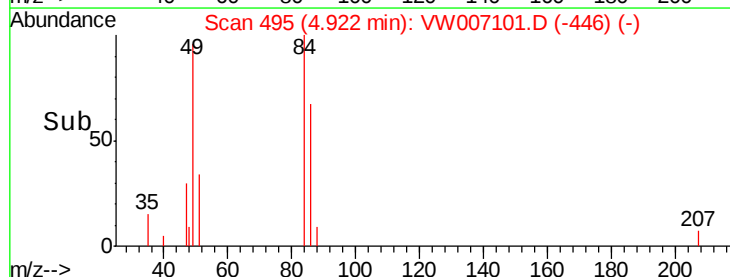
Ion 85.90 (85.60 to 86.60): VW

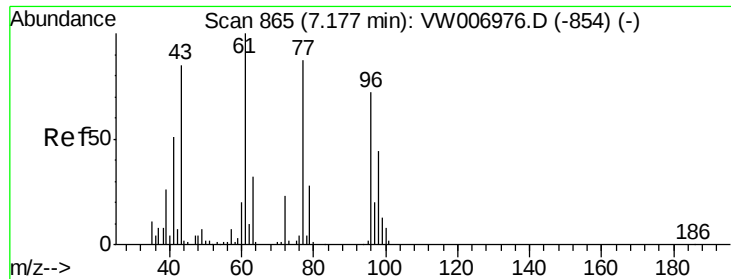
1000

500

0

Time-->





#25

2-Butanone

Concen: 1.020 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW007101.D

Acq: 27 Nov 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

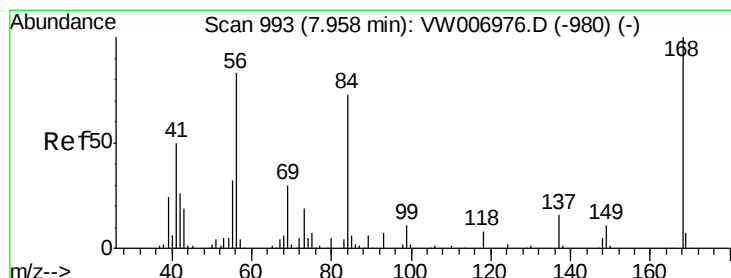
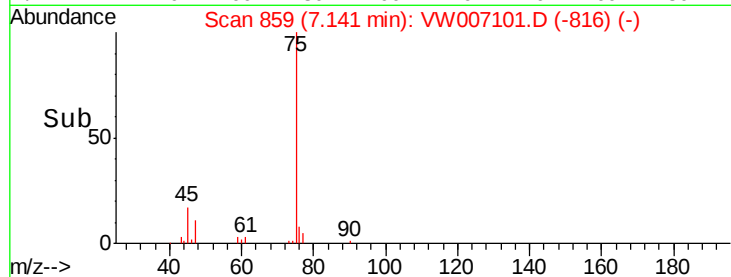
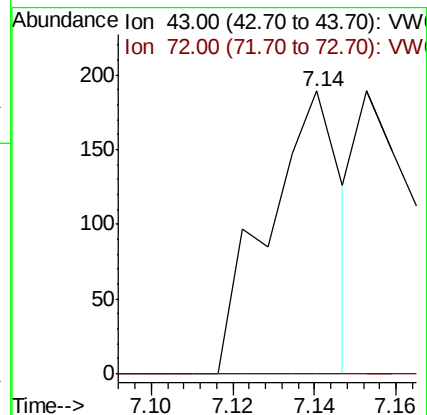
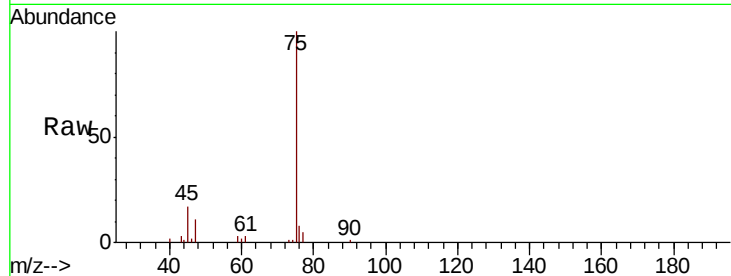
NS-OILY-STONE

Tot Ion: 43 Resp: 235

Ion Ratio Lower Upper

43 100

72 0.0 21.3 31.9#



#31

Cyclohexane

Concen: 1.075 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW007101.D

Acq: 27 Nov 2018 21:00

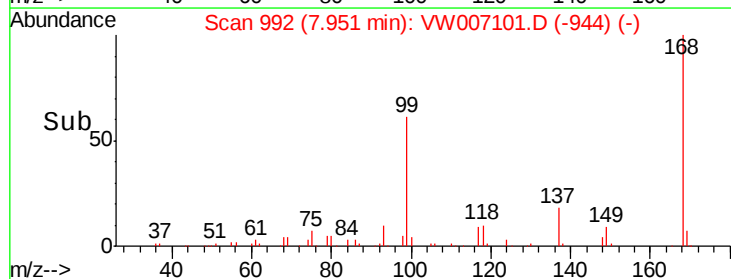
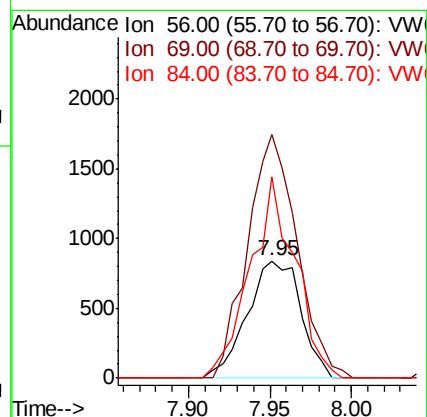
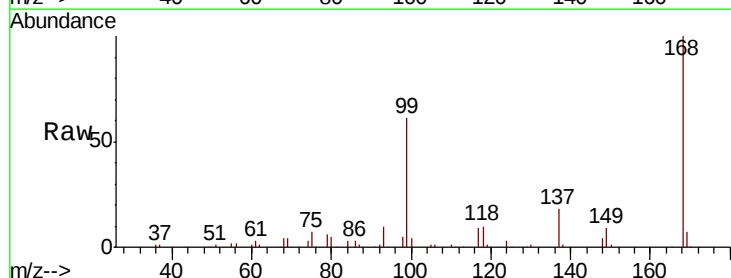
Tgt Ion: 56 Resp: 1918

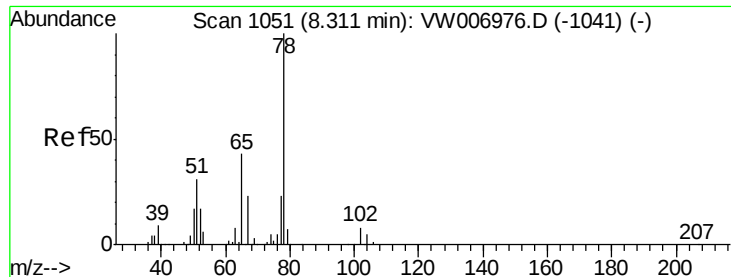
Ion Ratio Lower Upper

56 100

69 208.0 29.1 43.7#

84 171.9 70.6 105.8#

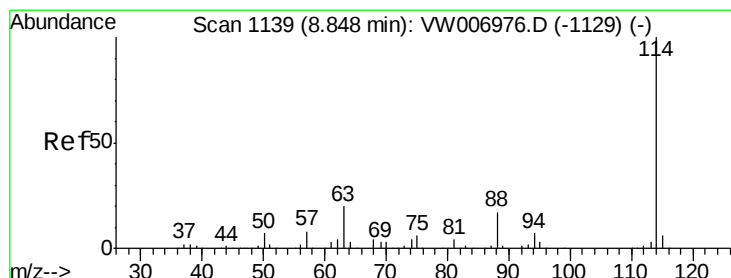
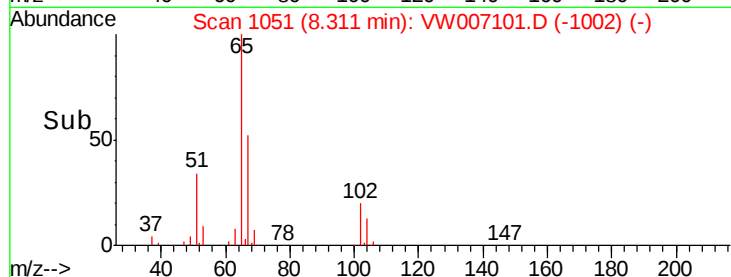
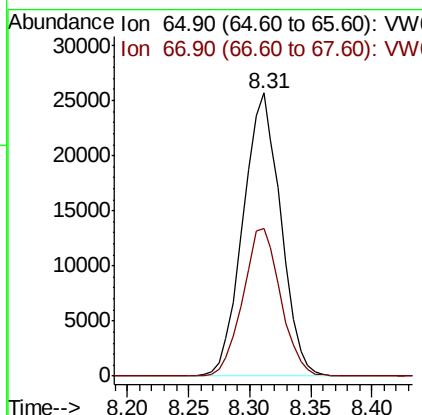
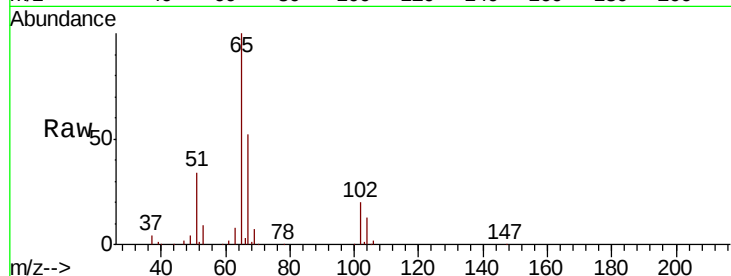




#33
 1,2-Dichloroethane-d4
 Concen: 59.498 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007101.D
 Acq: 27 Nov 2018 21:00

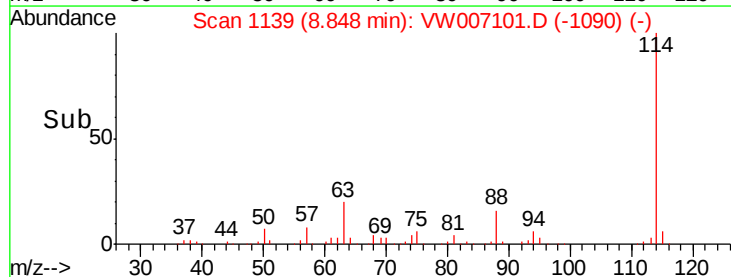
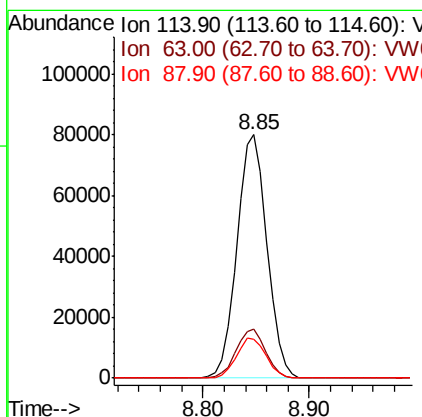
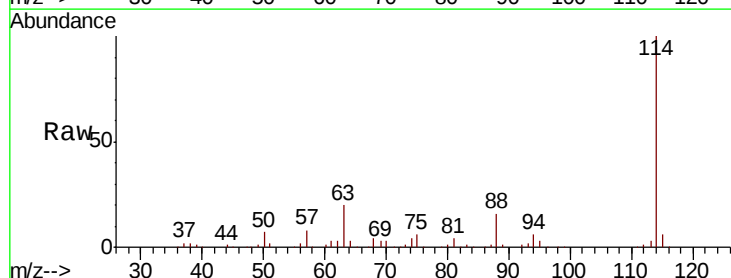
Instrument :
 MSVOA_W
 ClientSampleId :
 NS-OILY-STONE

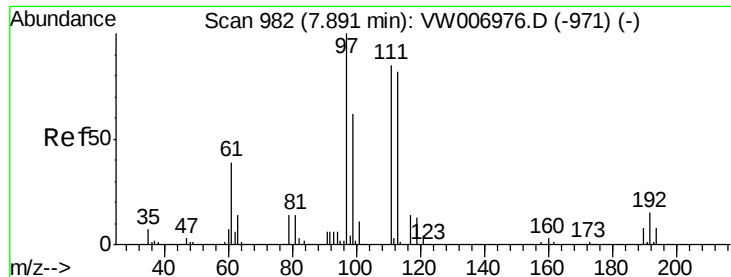
Tot Ion: 65 Resp: 55138
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007101.D
 Acq: 27 Nov 2018 21:00

Tgt Ion: 114 Resp: 158171
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.4
 88 15.7 0.0 34.2





#35

Dibromofluoromethane

Concen: 51.336 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW007101.D

Acq: 27 Nov 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

NS-OILY-STONE

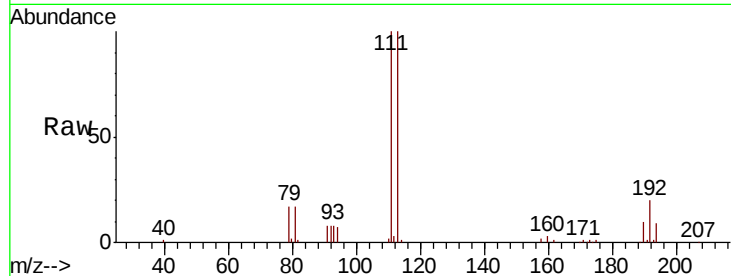
Tot Ion:113 Resp: 45855

Ion Ratio Lower Upper

113 100

111 102.3 81.0 121.6

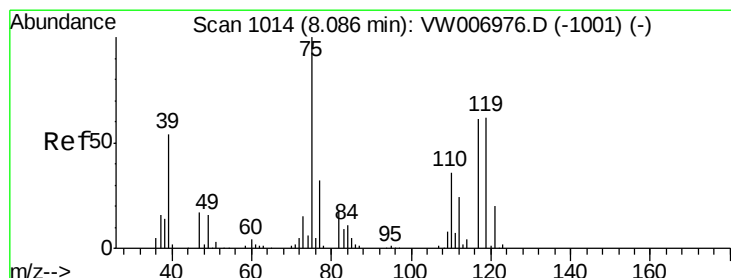
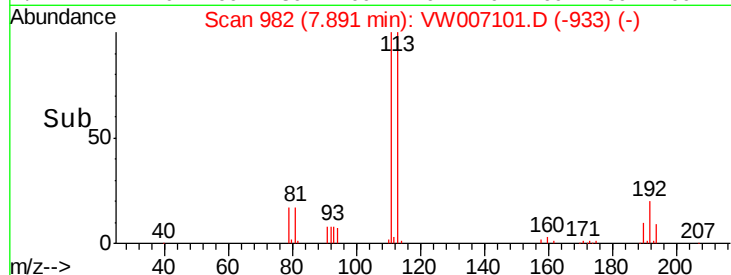
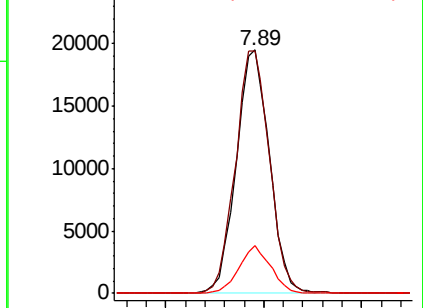
192 18.6 15.0 22.6



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: 4.445 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007101.D

Acq: 27 Nov 2018 21:00

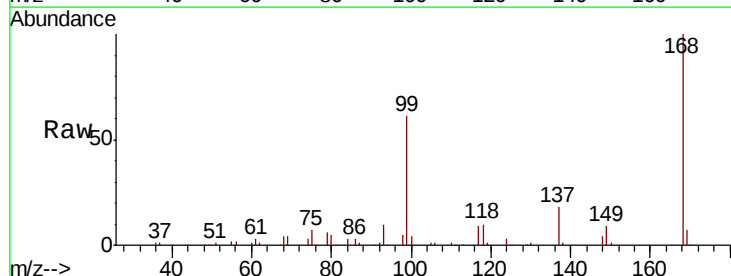
Tgt Ion: 75 Resp: 6871

Ion Ratio Lower Upper

75 100

110 9.3 18.0 54.0#

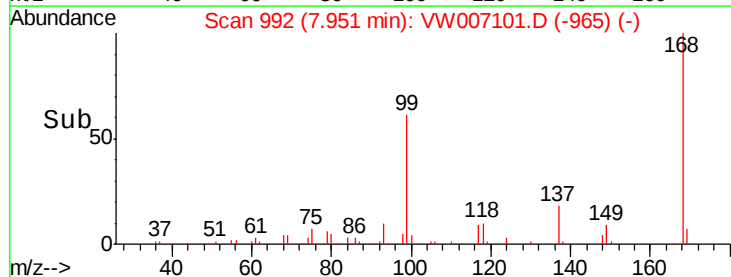
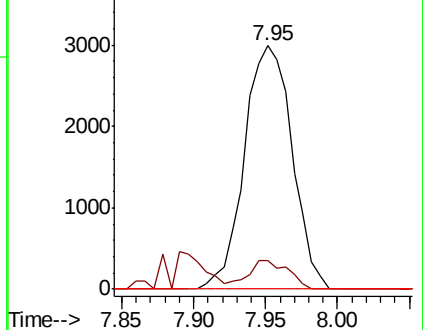
77 0.0 24.9 37.3#

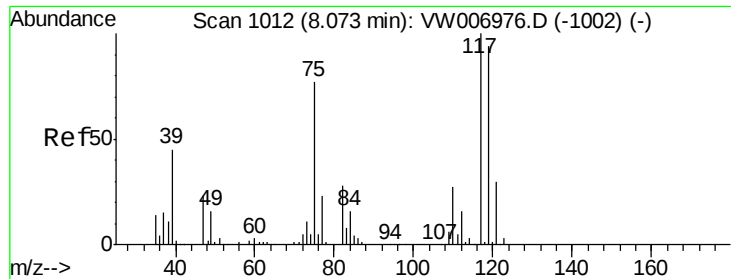


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.626 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW007101.D

Acq: 27 Nov 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

NS-OILY-STONE

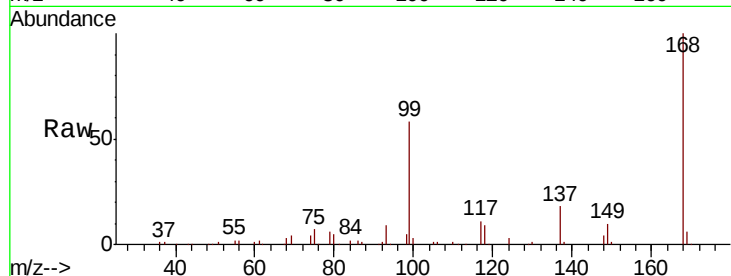
Tot Ion:117 Resp: 9807

Ion Ratio Lower Upper

117 100

119 4.5 74.9 112.3#

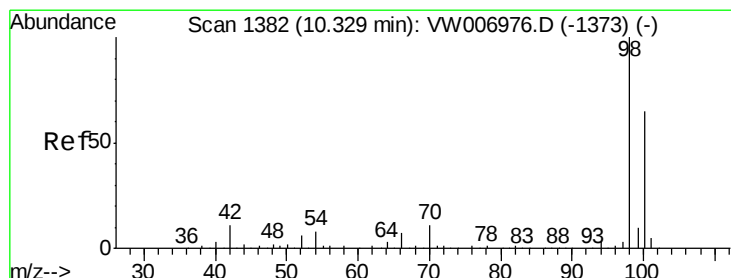
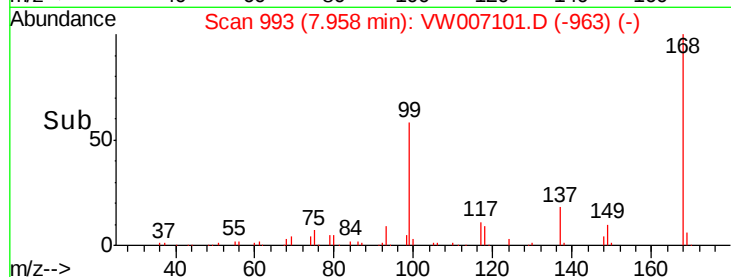
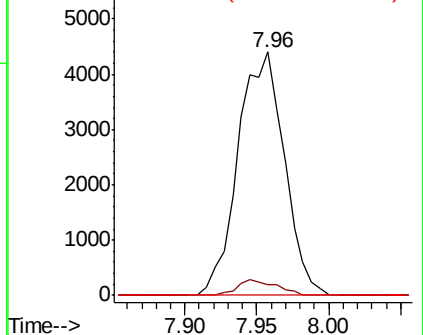
121 0.0 23.6 35.4#



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



#50

Toluene-d8

Concen: 40.268 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW007101.D

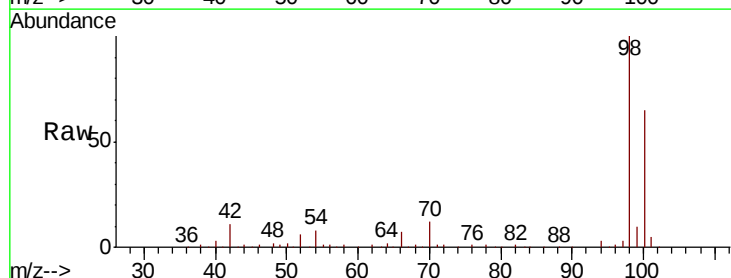
Acq: 27 Nov 2018 21:00

Tgt Ion: 98 Resp: 158834

Ion Ratio Lower Upper

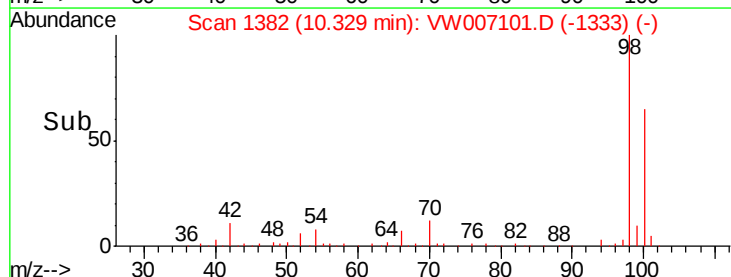
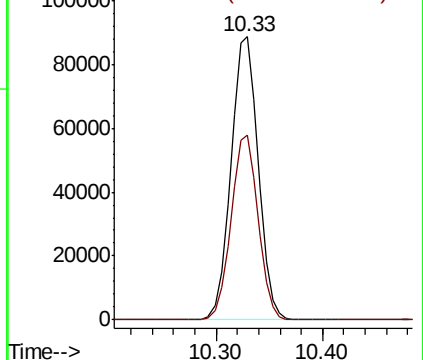
98 100

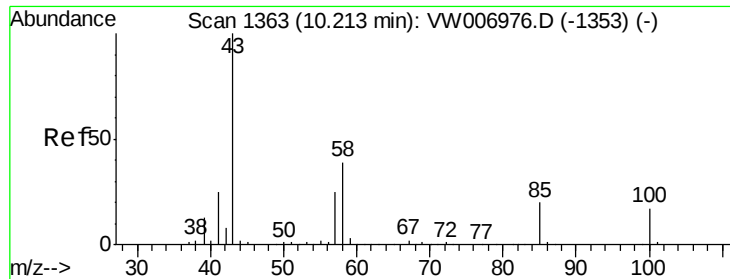
100 64.7 52.2 78.2



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: 1.031 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007101.D

Acq: 27 Nov 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

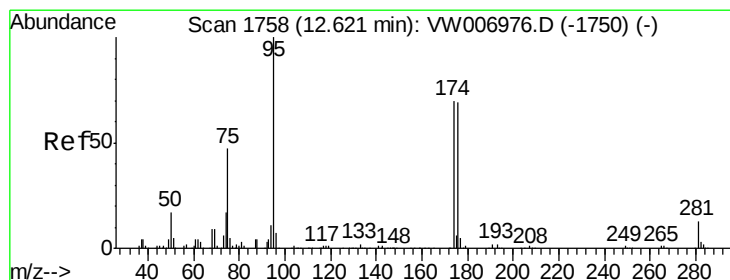
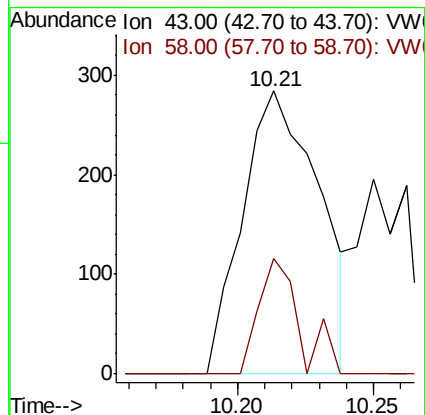
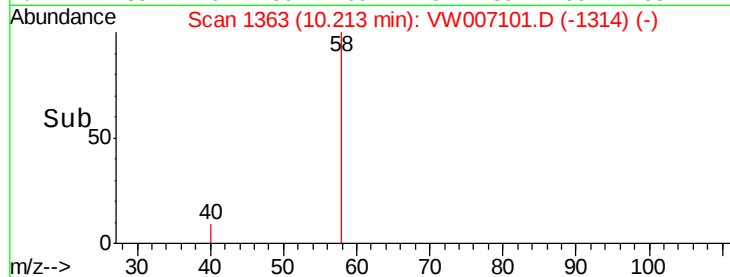
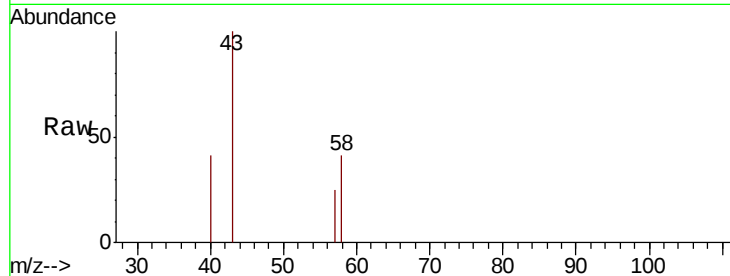
NS-OILY-STONE

Tot Ion: 43 Resp: 556

Ion Ratio Lower Upper

43 100

58 21.6 31.8 47.6#



#62

4-Bromofluorobenzene

Concen: 34.542 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007101.D

Acq: 27 Nov 2018 21:00

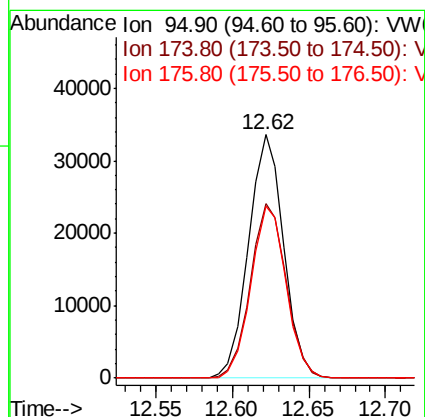
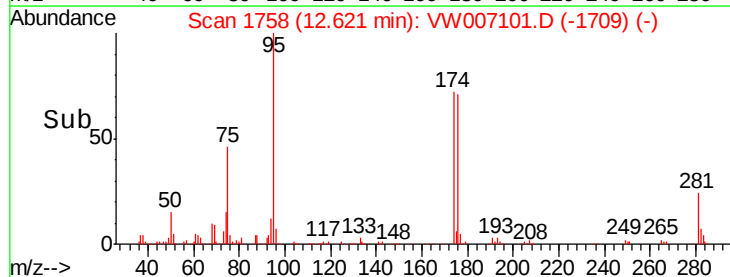
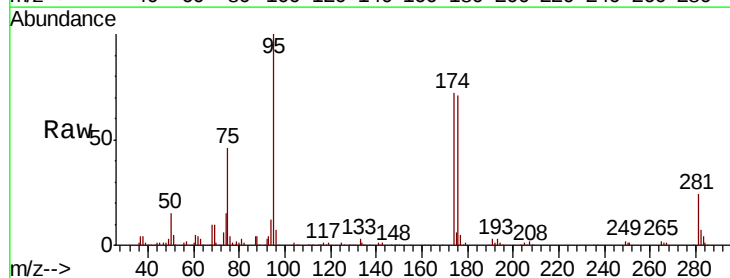
Tgt Ion: 95 Resp: 53616

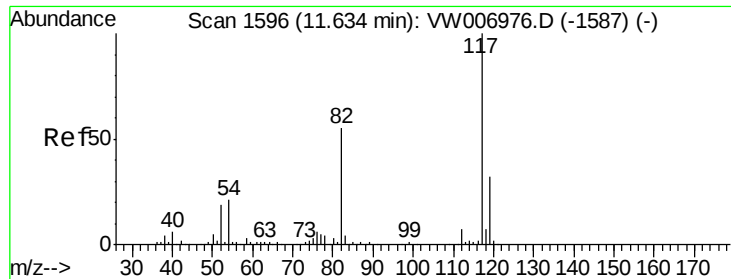
Ion Ratio Lower Upper

95 100

174 72.9 0.0 143.6

176 70.5 0.0 140.4

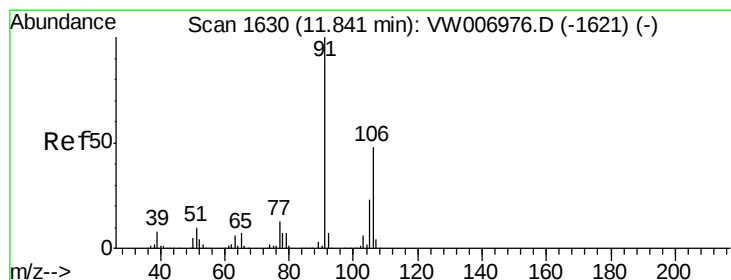
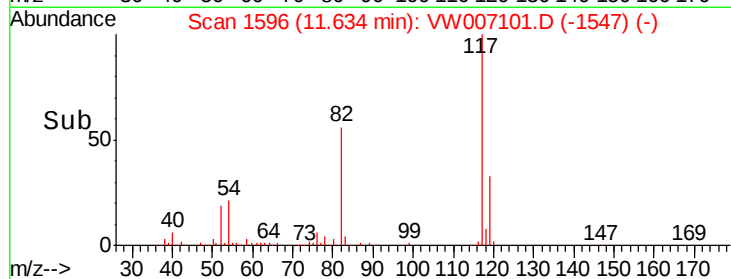
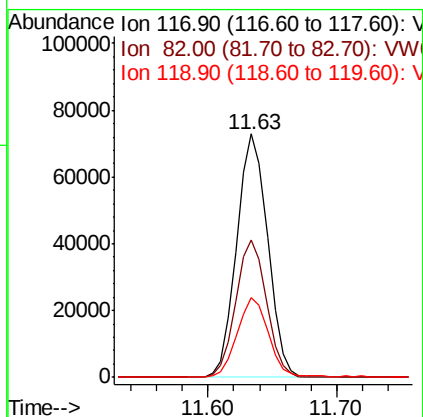
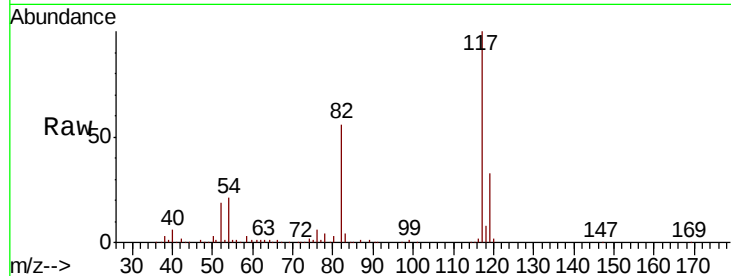




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007101.D
Acq: 27 Nov 2018 21:00

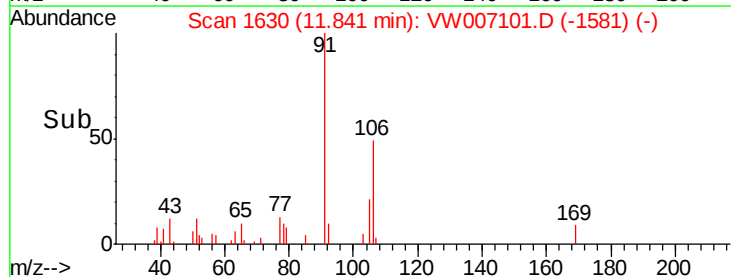
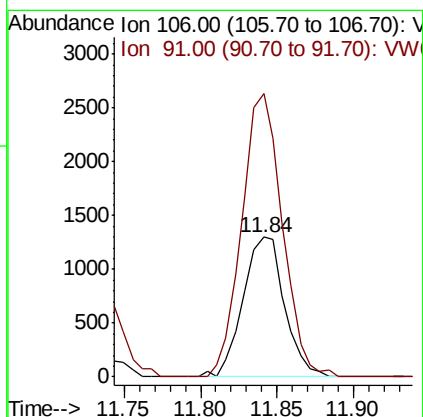
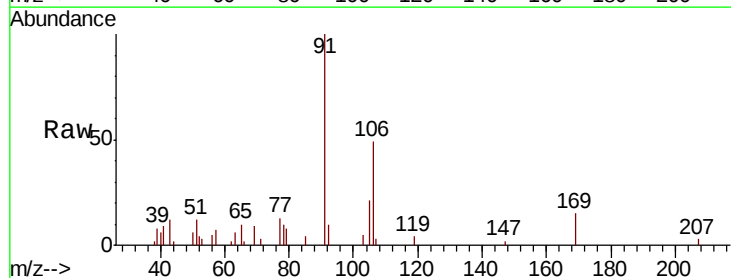
Instrument :
MSVOA_W
ClientSampleId :
NS-OILY-STONE

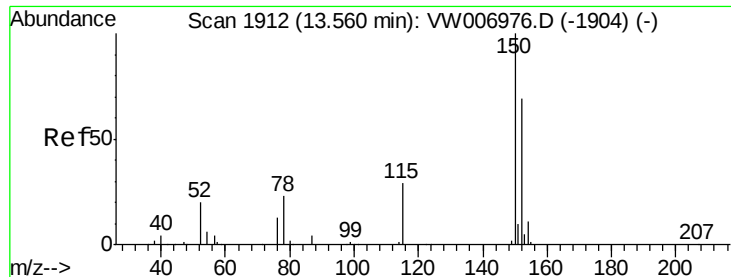
Tot Ion:117 Resp: 121230
Ion Ratio Lower Upper
117 100
82 56.4 44.2 66.2
119 32.3 25.9 38.9



#68
m/p-Xylenes
Concen: 1.341 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007101.D
Acq: 27 Nov 2018 21:00

Tgt Ion:106 Resp: 2445
Ion Ratio Lower Upper
106 100
91 198.5 164.8 247.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007101.D

Acq: 27 Nov 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

NS-OILY-STONE

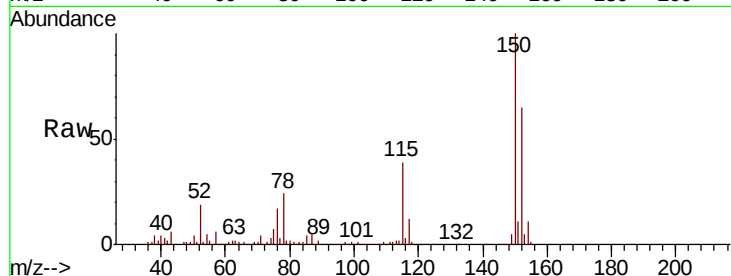
Tot Ion:152 Resp: 43949

Ion Ratio Lower Upper

152 100

115 63.0 31.4 94.2

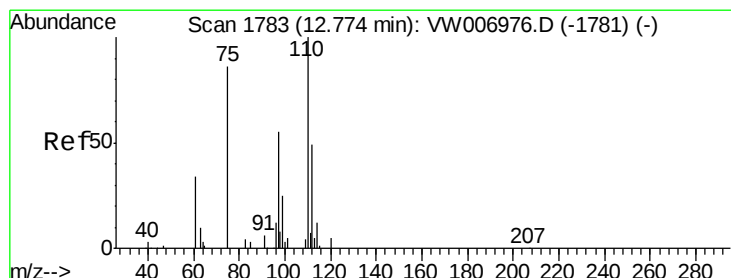
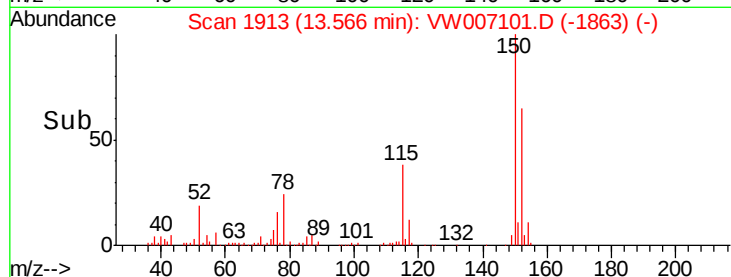
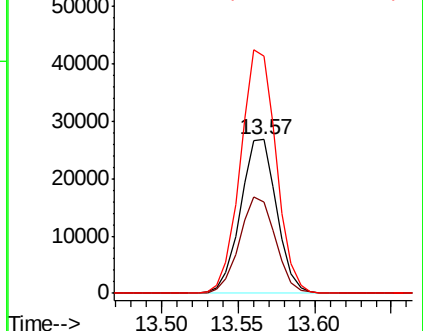
150 156.0 0.0 353.4



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



#76

1,2,3-Trichloropropane

Concen: 72.871 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007101.D

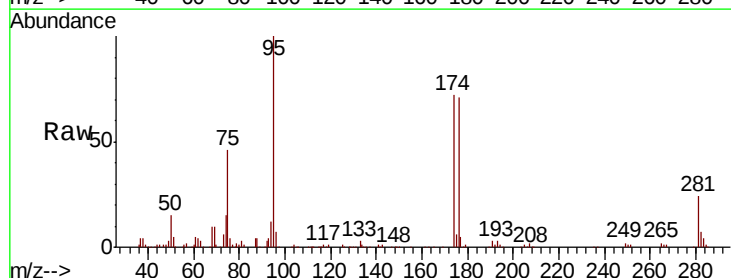
Acq: 27 Nov 2018 21:00

Tgt Ion: 75 Resp: 25166

Ion Ratio Lower Upper

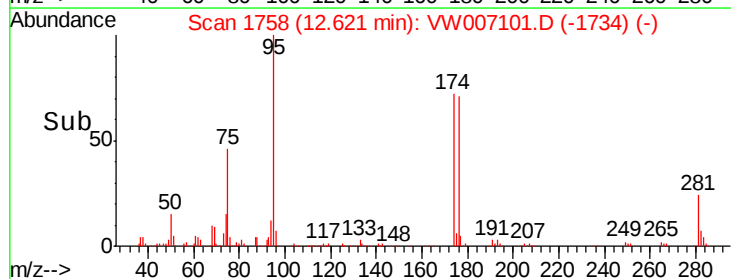
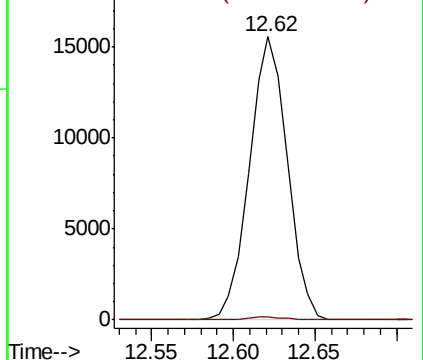
75 100

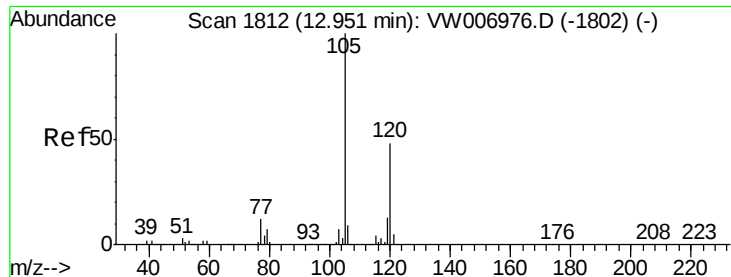
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

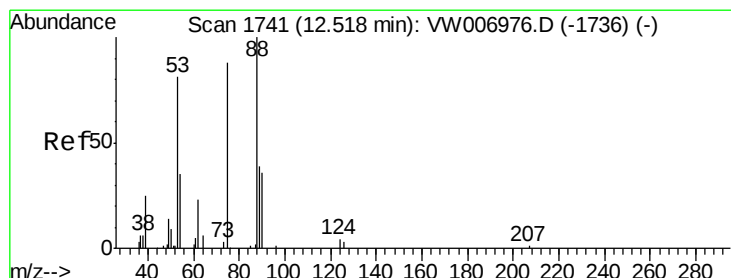
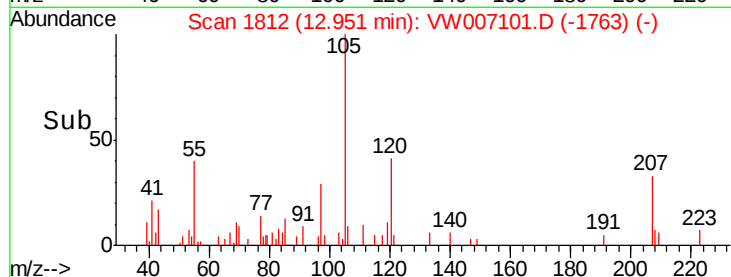
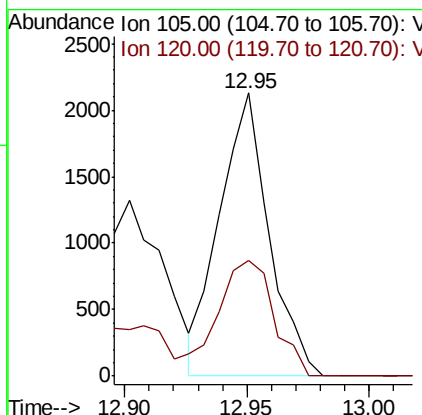
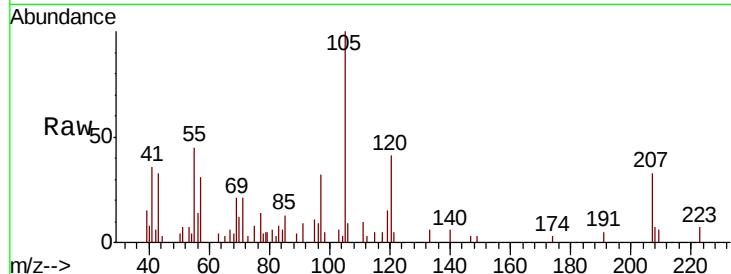




#80
 1,3,5-Trimethylbenzene
 Concen: 1.010 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW007101.D
 Acq: 27 Nov 2018 21:00

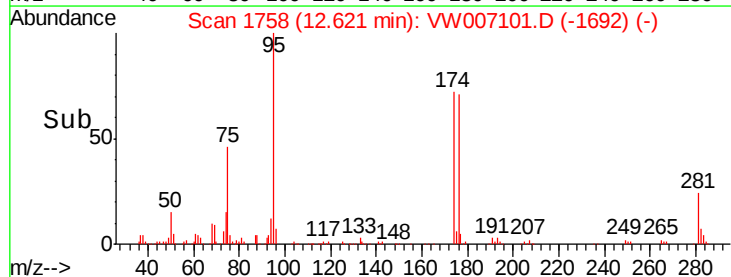
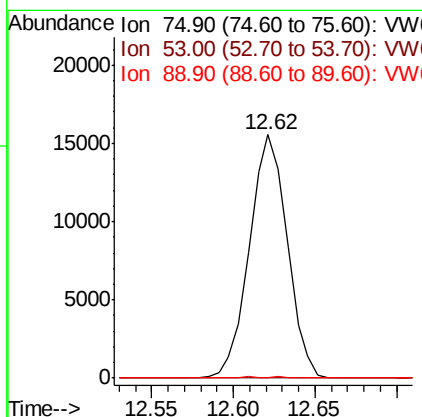
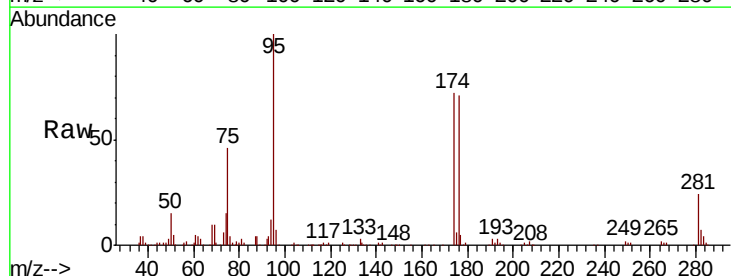
Instrument :
 MSVOA_W
 ClientSampleId :
 NS-OILY-STONE

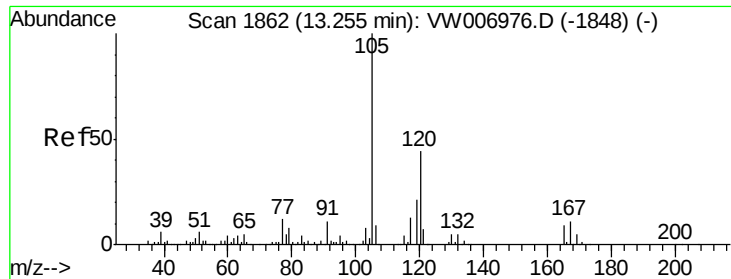
Tot Ion: 105 Resp: 2982
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.8 71.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 182.951 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW007101.D
 Acq: 27 Nov 2018 21:00

Tgt Ion: 75 Resp: 25166
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.4 39.3 58.9#

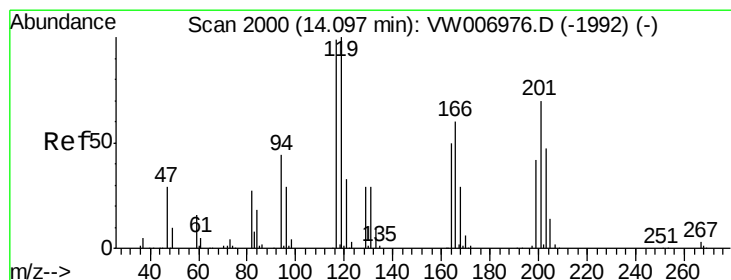
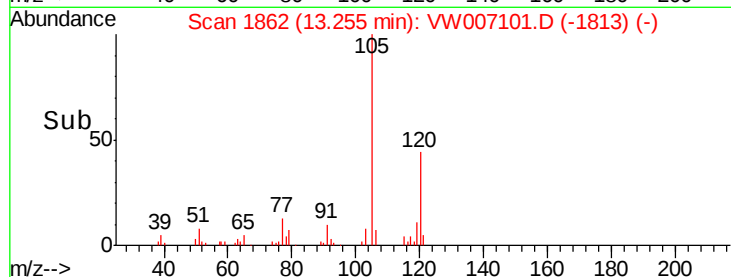
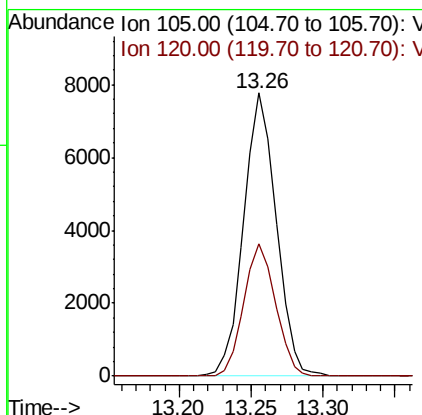
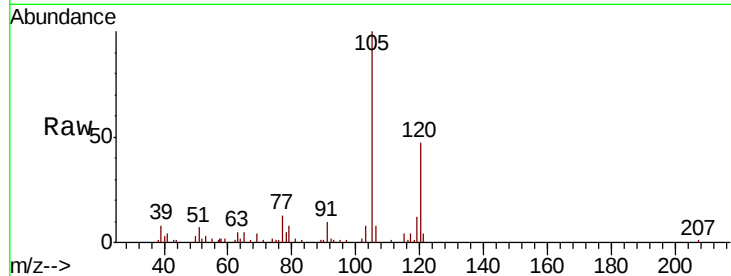




#84
 1,2,4-Trimethylbenzene
 Concen: 4.145 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007101.D
 Acq: 27 Nov 2018 21:00

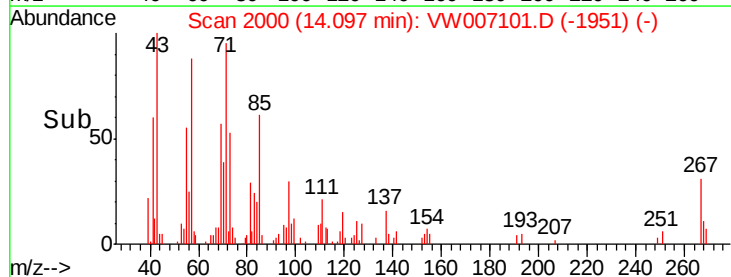
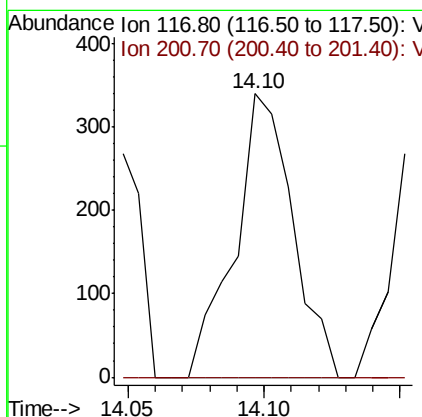
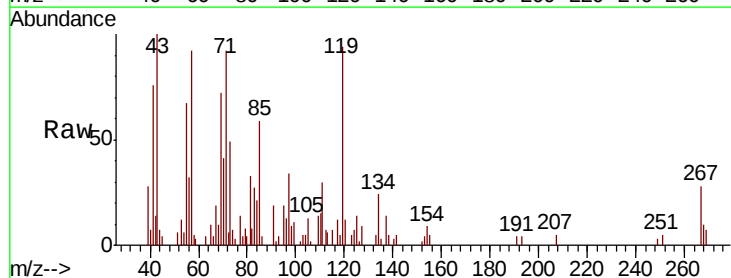
Instrument :
 MSVOA_W
 ClientSampleId :
 NS-OILY-STONE

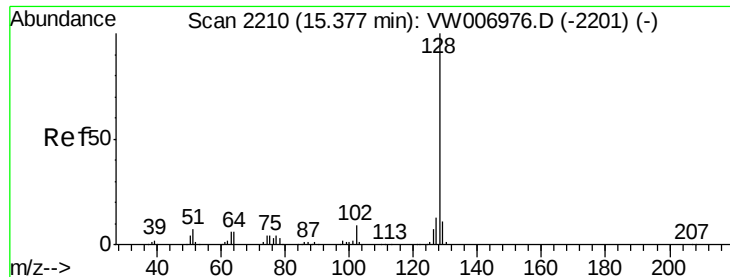
Tot Ion:105 Resp: 12197
 Ion Ratio Lower Upper
 105 100
 120 45.2 21.8 65.3



#90
 Hexachloroethane
 Concen: 1.083 ug/l
 RT: 14.10 min Scan# 2000
 Delta R.T. -0.00 min
 Lab File: VW007101.D
 Acq: 27 Nov 2018 21:00

Tgt Ion:117 Resp: 504
 Ion Ratio Lower Upper
 117 100
 201 0.0 35.9 107.5#

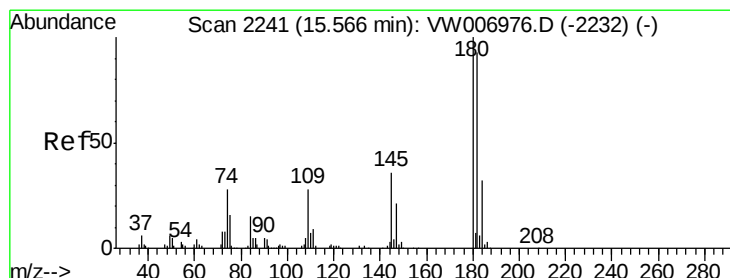
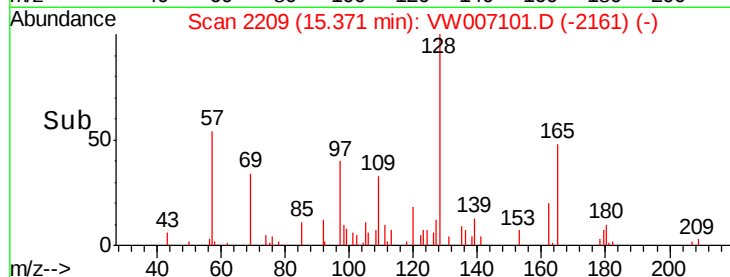
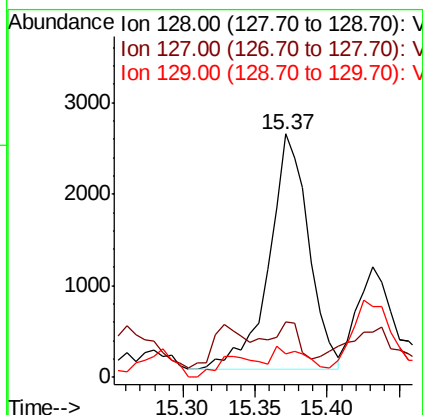
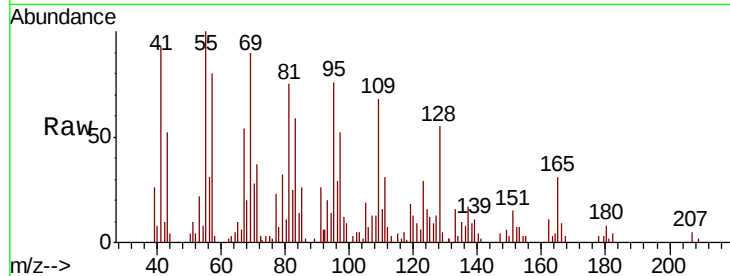




#95
Naphthalene
Concen: 3.135 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007101.D
Acq: 27 Nov 2018 21:00

Instrument :
MSVOA_W
ClientSampleId :
NS-OILY-STONE

Tot Ion:128 Resp: 4925
Ion Ratio Lower Upper
128 100
127 8.2 10.5 15.7#
129 7.9 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.975 ug/l
RT: 15.59 min Scan# 2245
Delta R.T. 0.02 min
Lab File: VW007101.D
Acq: 27 Nov 2018 21:00

Tgt Ion:180 Resp: 2136
Ion Ratio Lower Upper
180 100
182 6.0 47.0 141.2#
145 0.0 18.0 54.0#

