

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112918\
 Data File : VN052559.D
 Acq On : 29 Nov 2018 12:38
 Operator : MD\SY
 Sample : J6064-02DL 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-SOILDL

Quant Time: Nov 30 11:17:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1324877	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2013825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1727094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	701126	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	667723	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	
35) Dibromofluoromethane	7.59	113	614245	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
50) Toluene-d8	10.09	98	2439256	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.40	95	793320	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	

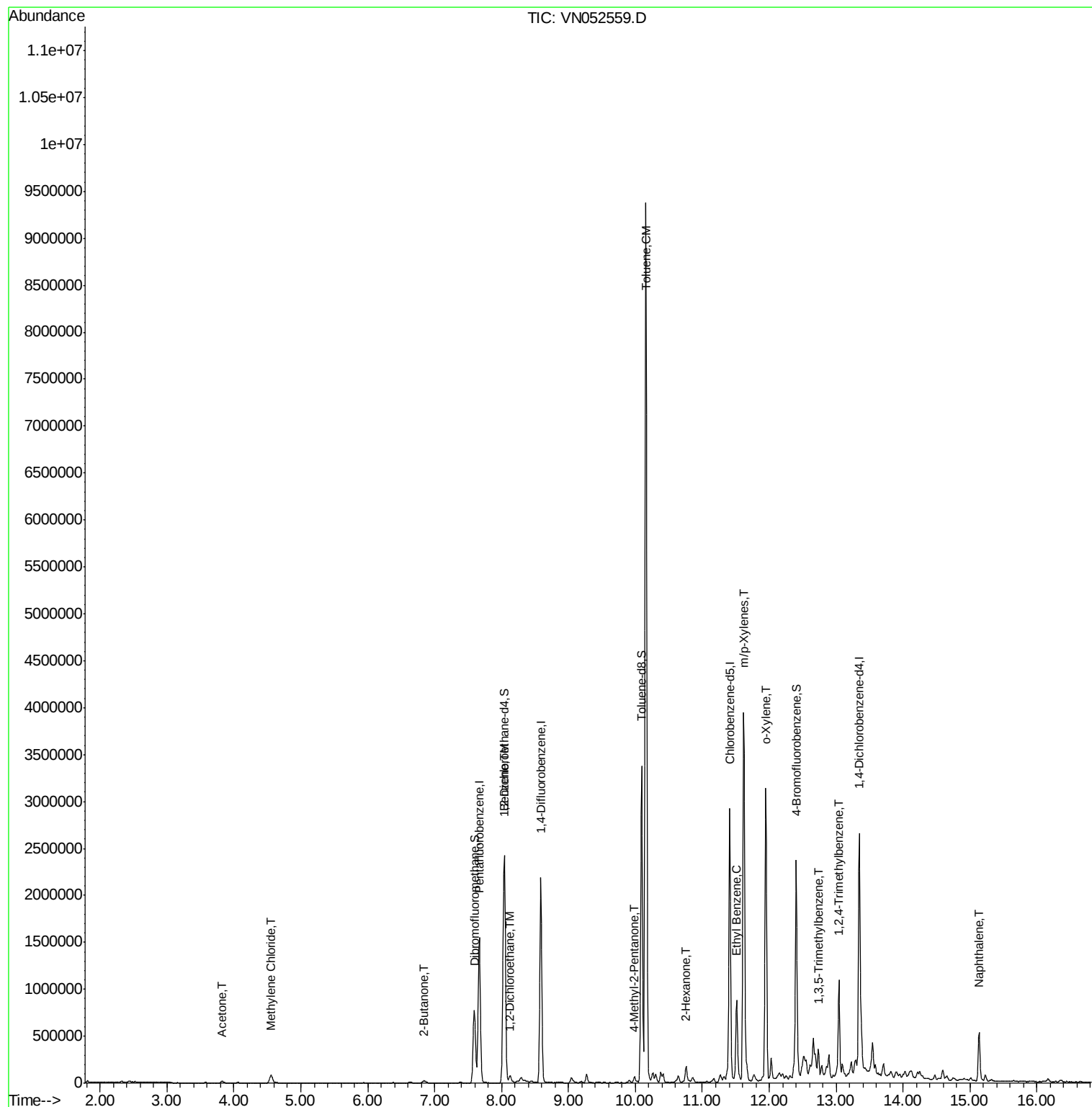
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	25487	6.699	ug/l	97
20) Methylene Chloride	4.55	84	61736	4.146	ug/l	96
25) 2-Butanone	6.85	43	39095	7.249	ug/l	97
40) Benzene	8.04	78	2063624	36.412	ug/l	100
42) 1,2-Dichloroethane	8.13	62	68027	3.964	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	46786	4.246	ug/l	96
52) Toluene	10.16	92	4163864	123.657	ug/l	99
59) 2-Hexanone	10.75	43	108086	14.614	ug/l	88
67) Ethyl Benzene	11.51	91	548931	8.802	ug/l	100
68) m/p-Xylenes	11.62	106	1271033	54.747	ug/l	100
69) o-Xylene	11.95	106	863470	38.299	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	124085	2.828	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	588322	13.381	ug/l	100
95) Naphthalene	15.14	128	459768	19.652	ug/l	99

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

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Quant Title : SW846 8260
QLast Update : Wed Nov 28 01:11:38 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052559.D

Acq: 29 Nov 2018 12:38

Instrument :

MSVOA_N

ClientSampled :

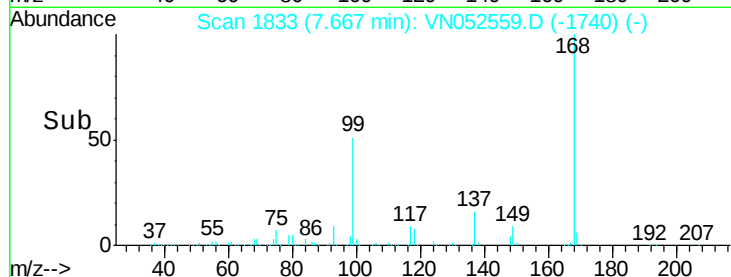
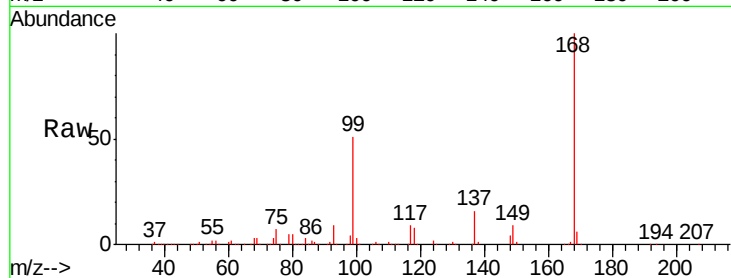
OILY-SOILDL

Tgt Ion:168 Resp: 1324877

Ion Ratio Lower Upper

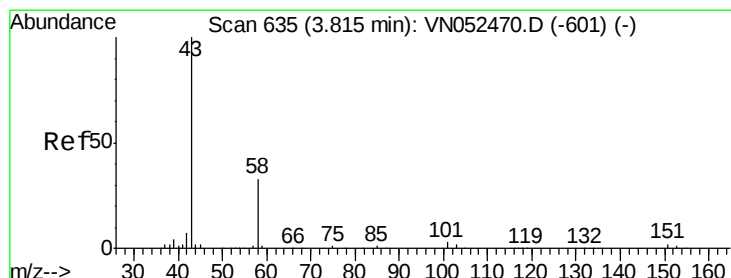
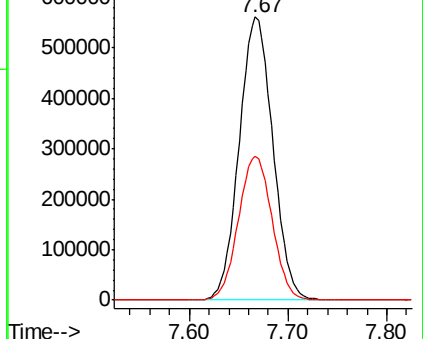
168 100

99 51.0 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 6.699 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052559.D

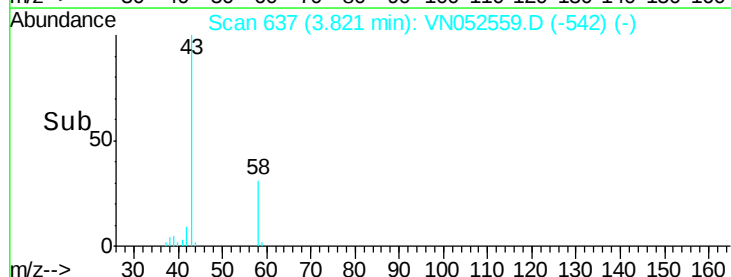
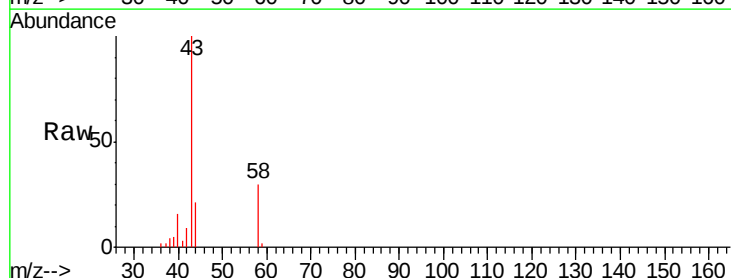
Acq: 29 Nov 2018 12:38

Tgt Ion: 43 Resp: 25487

Ion Ratio Lower Upper

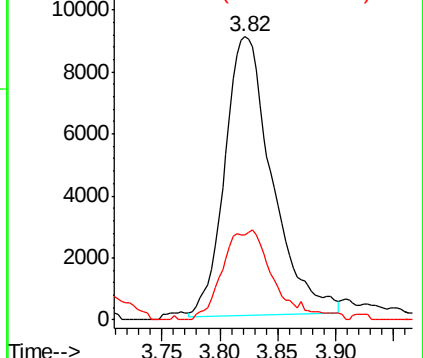
43 100

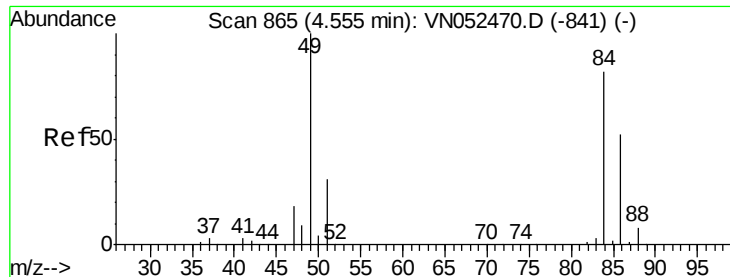
58 30.7 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

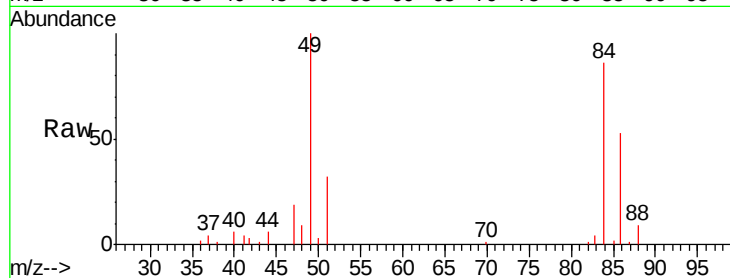




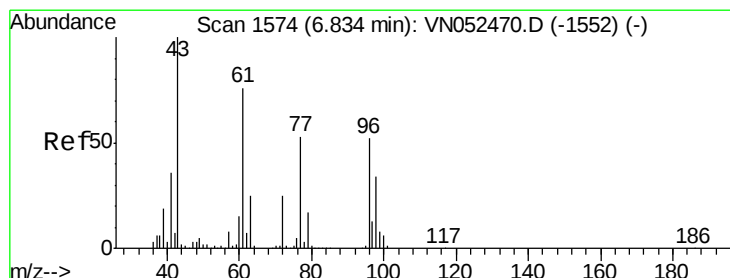
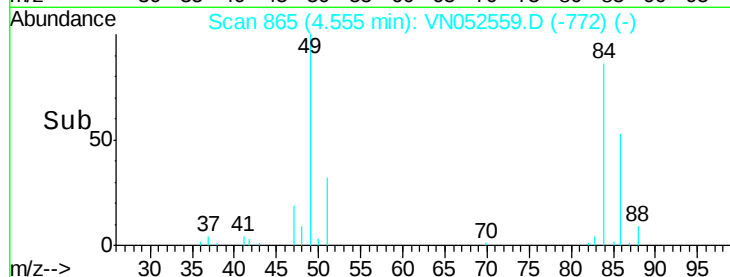
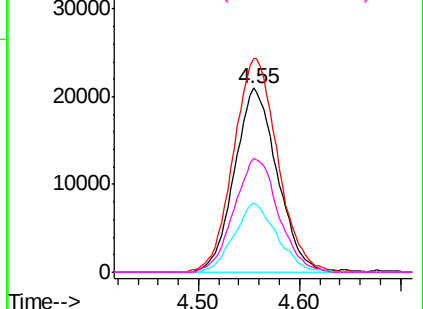
#20
Methylene Chloride
Concen: 4.146 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052559.D
Acq: 29 Nov 2018 12:38

Instrument :
MSVOA_N
ClientSampled :
OILY-SOILDL

Tgt Ion: 84 Resp: 61736
Ion Ratio Lower Upper
84 100
49 115.0 98.0 147.0
51 37.5 30.1 45.1
86 61.7 50.7 76.1

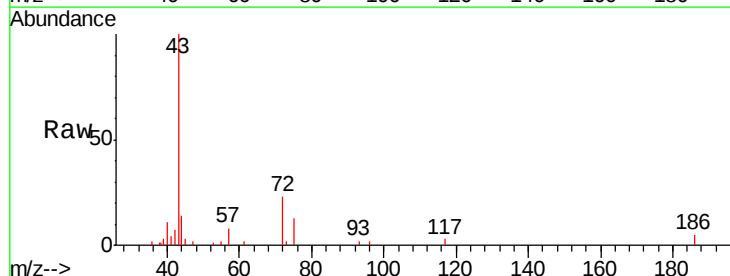


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

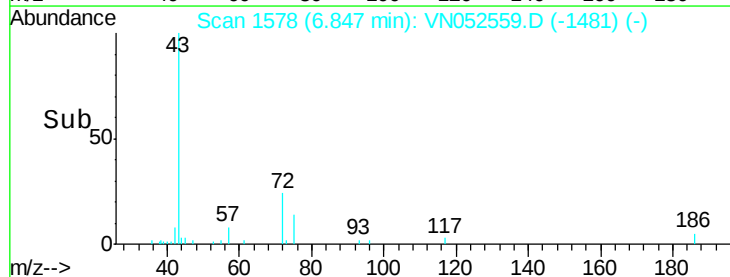
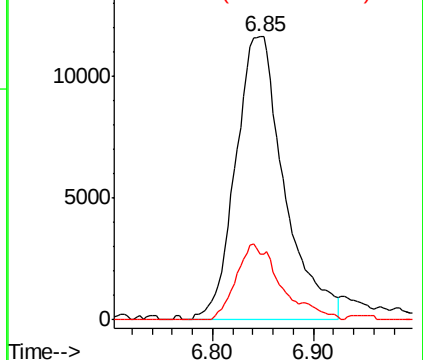


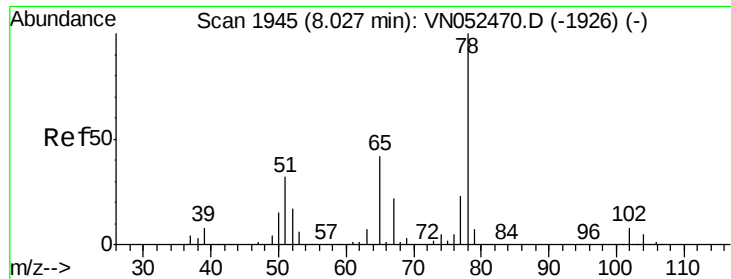
#25
2-Butanone
Concen: 7.249 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN052559.D
Acq: 29 Nov 2018 12:38

Tgt Ion: 43 Resp: 39095
Ion Ratio Lower Upper
43 100
72 23.4 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052559.D

Acq: 29 Nov 2018 12:38

Instrument :

MSVOA_N

ClientSampled :

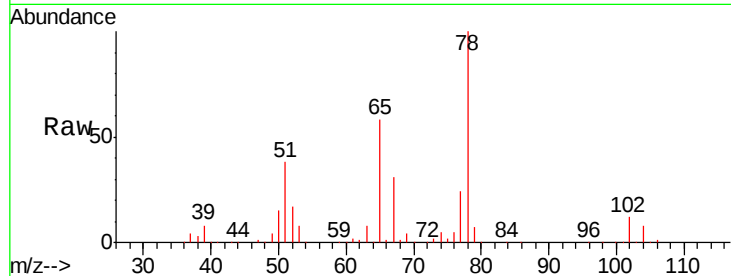
OILY-SOILDL

Tgt Ion: 65 Resp: 667723

Ion Ratio Lower Upper

65 100

67 53.5 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

300000

250000

200000

150000

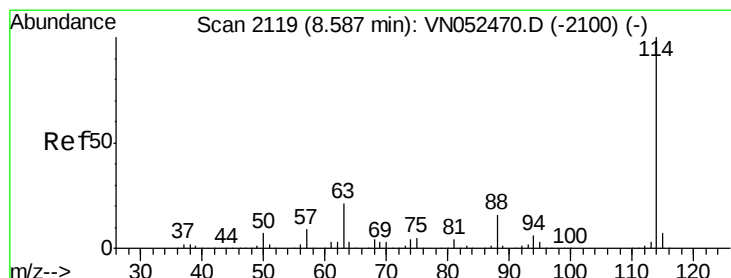
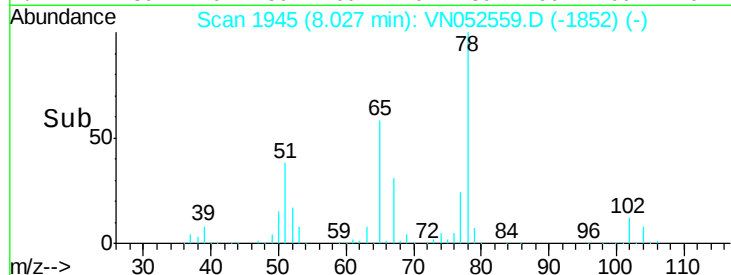
100000

50000

0

Time-->

7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052559.D

Acq: 29 Nov 2018 12:38

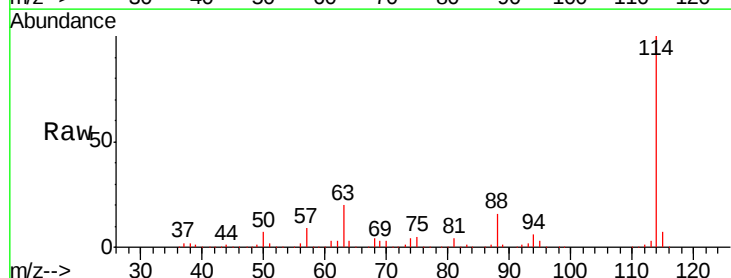
Tgt Ion: 114 Resp: 2013825

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.8

88 15.8 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

1200000

1000000

800000

600000

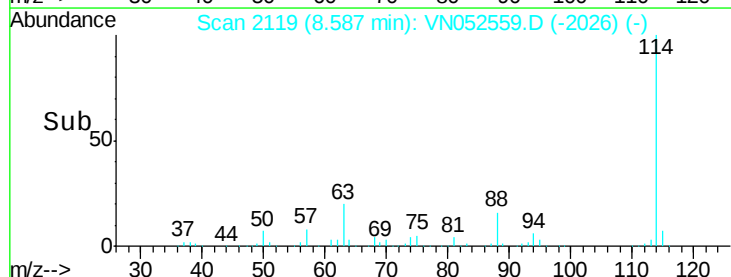
400000

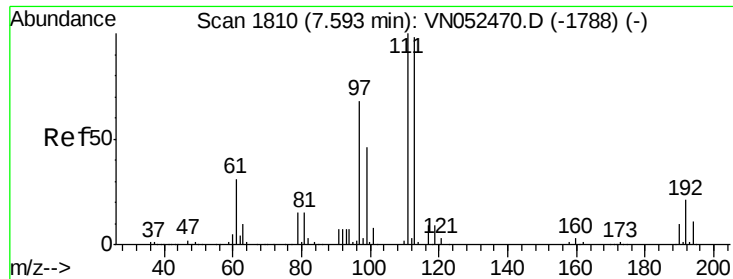
200000

0

Time-->

8.50 8.60 8.70

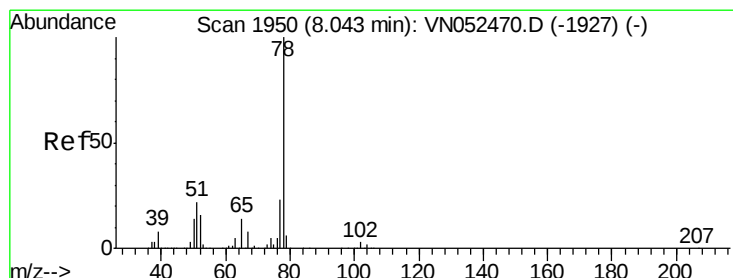
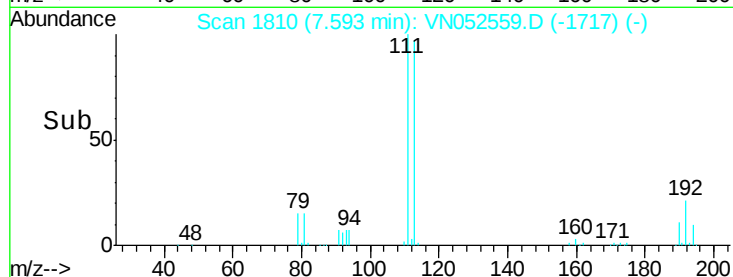
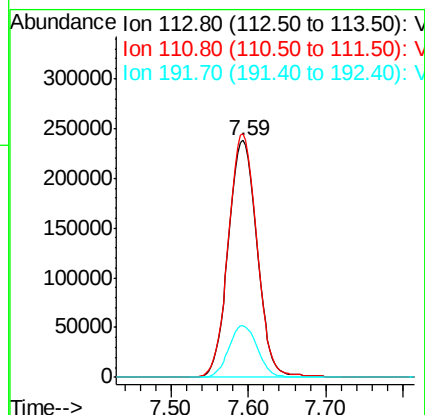
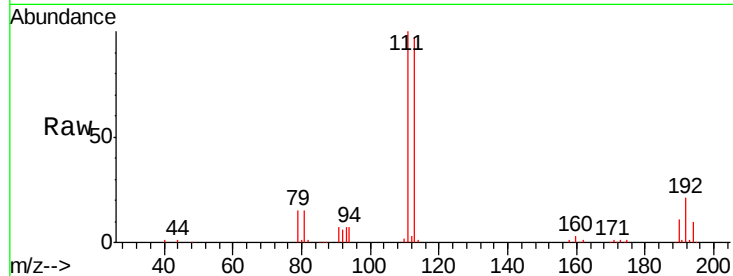




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052559.D
 Acq: 29 Nov 2018 12:38

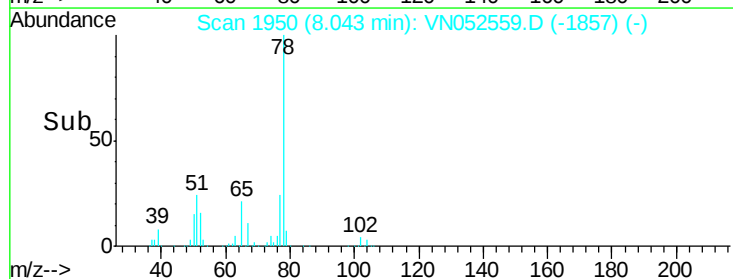
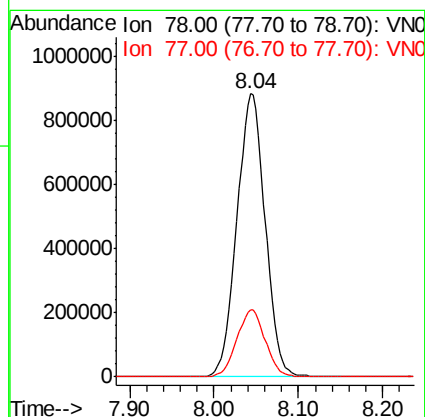
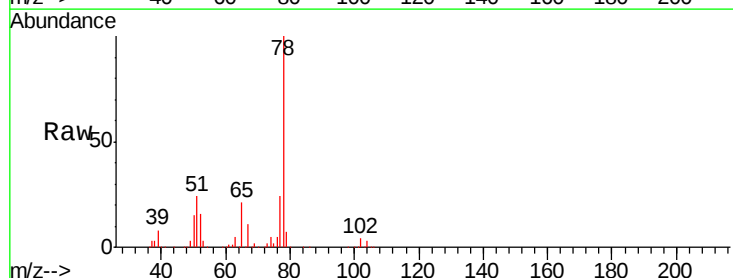
Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-SOILDL

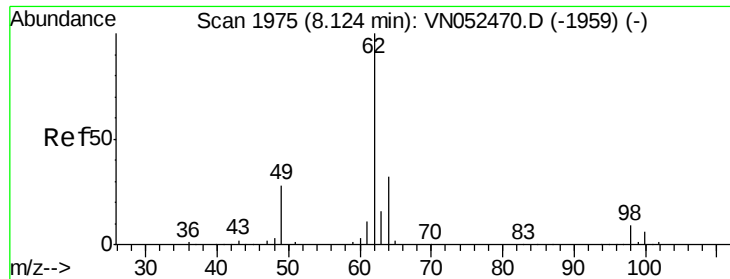
Tgt Ion:113 Resp: 614245
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.0 123.0
 192 21.8 17.0 25.6



#40
 Benzene
 Concen: 36.412 ug/l
 RT: 8.04 min Scan# 1950
 Delta R.T. -0.00 min
 Lab File: VN052559.D
 Acq: 29 Nov 2018 12:38

Tgt Ion: 78 Resp: 2063624
 Ion Ratio Lower Upper
 78 100
 77 23.7 18.8 28.2

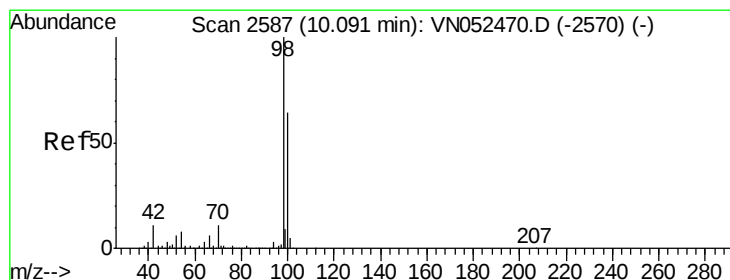
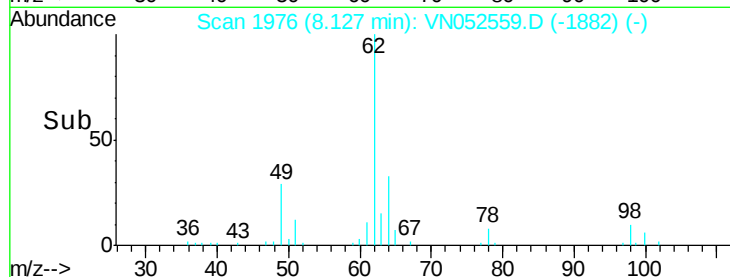
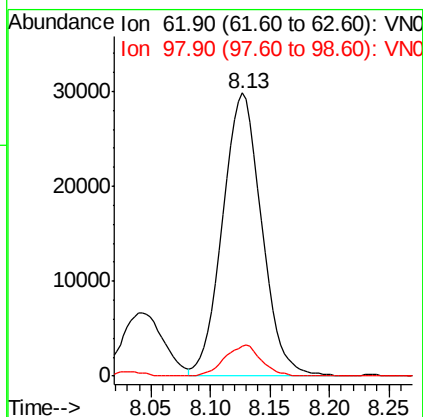
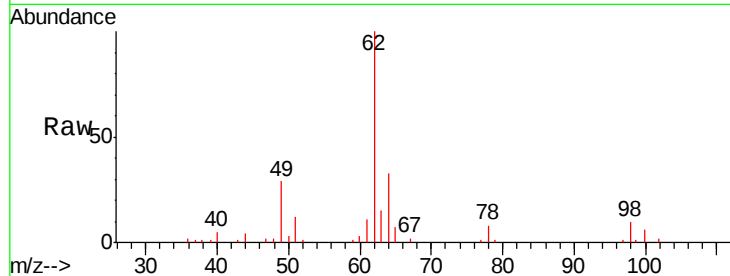




#42
 1,2-Dichloroethane
 Concen: 3.964 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN052559.D
 Acq: 29 Nov 2018 12:38

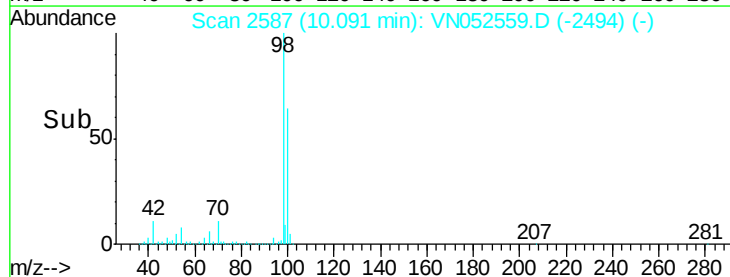
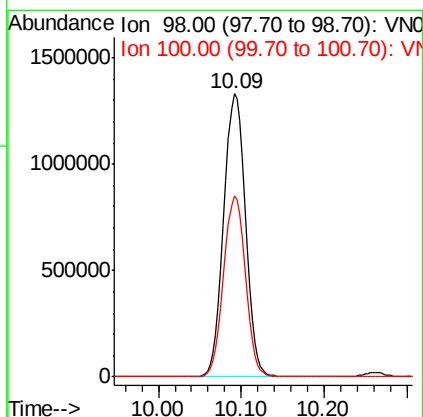
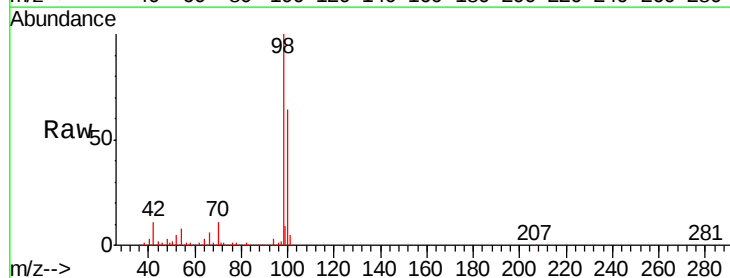
Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-SOILDL

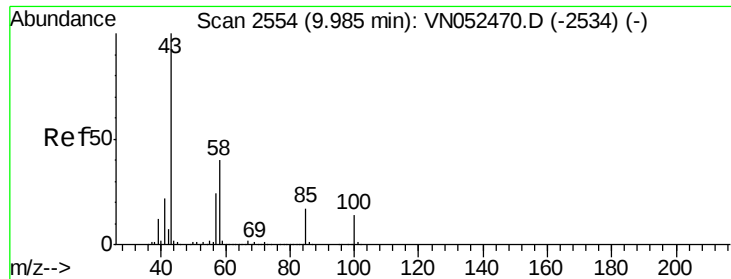
Tgt Ion: 62 Resp: 68027
 Ion Ratio Lower Upper
 62 100
 98 10.2 0.0 18.6



#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN052559.D
 Acq: 29 Nov 2018 12:38

Tgt Ion: 98 Resp: 2439256
 Ion Ratio Lower Upper
 98 100
 100 63.9 51.3 76.9

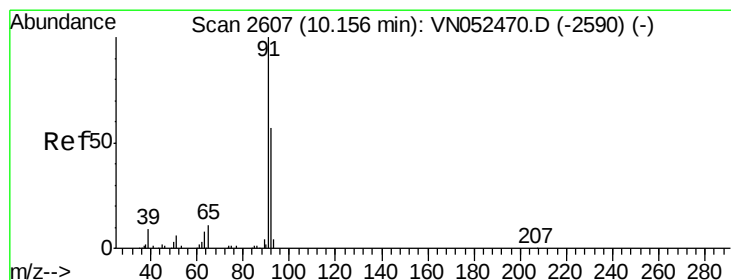
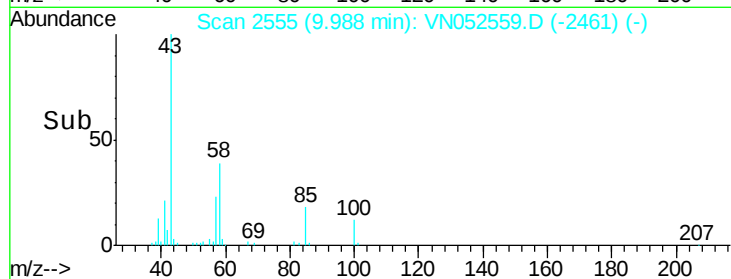
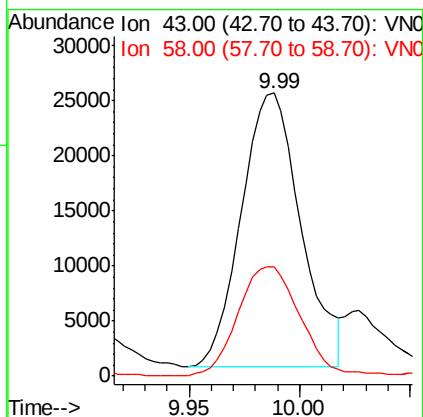
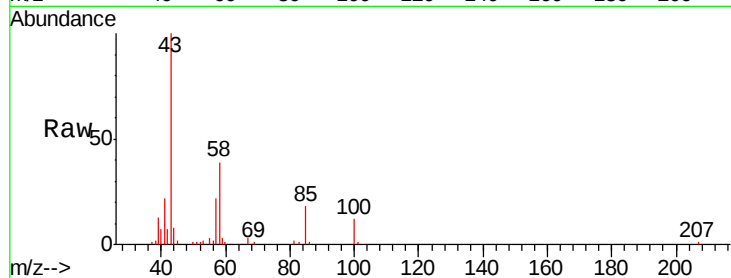




#51
 4-Methyl-2-Pentanone
 Concen: 4.246 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN052559.D
 Acq: 29 Nov 2018 12:38

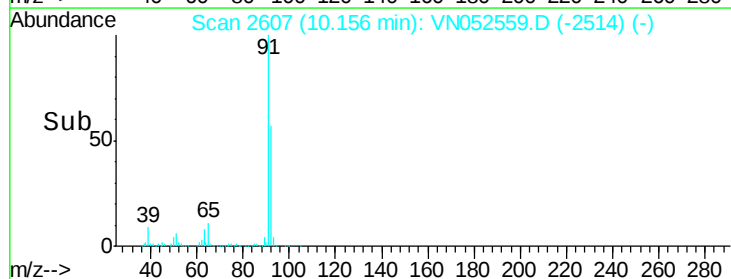
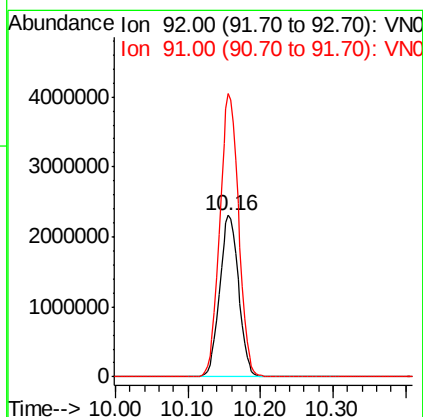
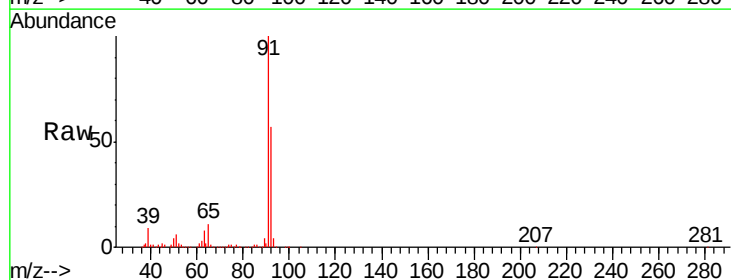
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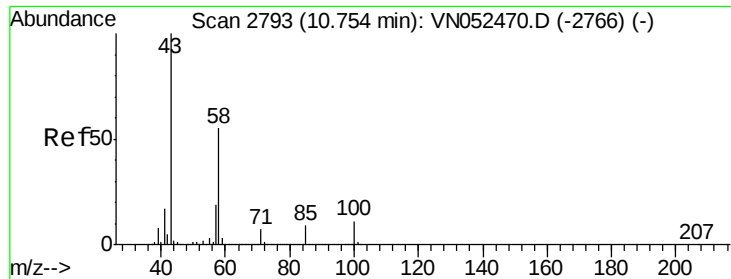
Tgt Ion: 43 Resp: 46786
 Ion Ratio Lower Upper
 43 100
 58 41.9 31.5 47.3



#52
 Toluene
 Concen: 123.657 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052559.D
 Acq: 29 Nov 2018 12:38

Tgt Ion: 92 Resp: 4163864
 Ion Ratio Lower Upper
 92 100
 91 175.2 141.0 211.4

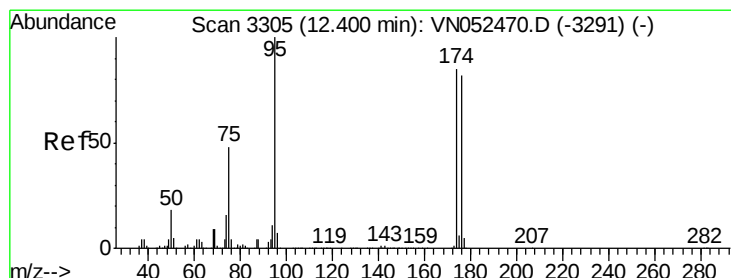
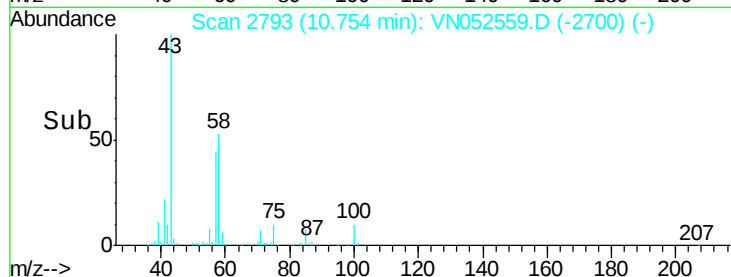
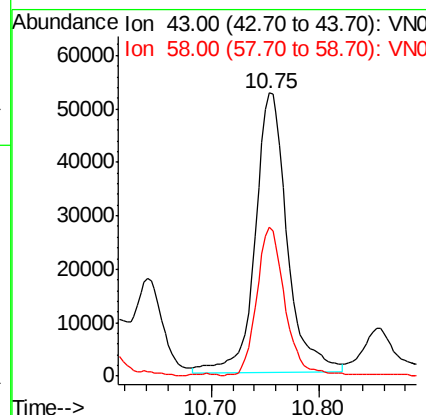
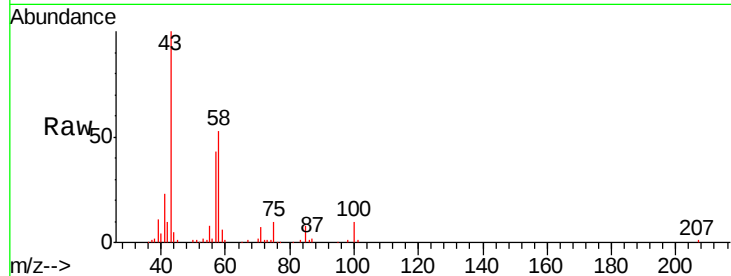




#59
2-Hexanone
Concen: 14.614 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN052559.D
Acq: 29 Nov 2018 12:38

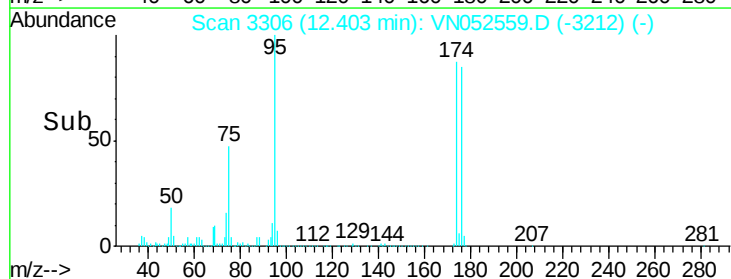
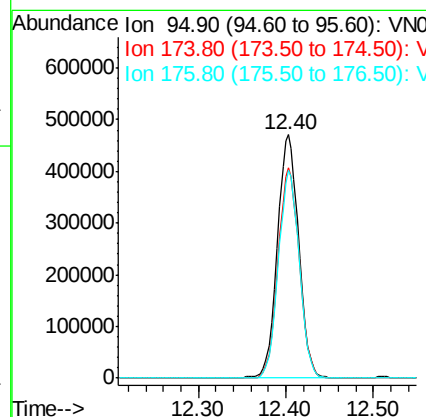
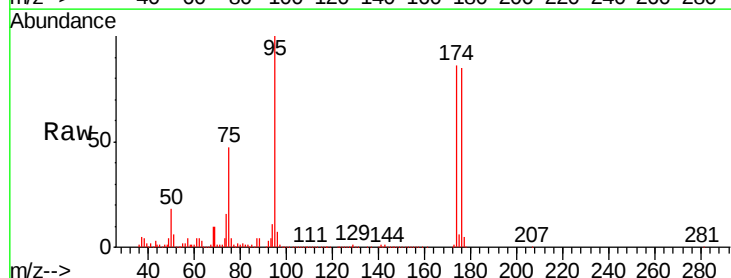
Instrument :
MSVOA_N
ClientSampled :
OILY-SOILDL

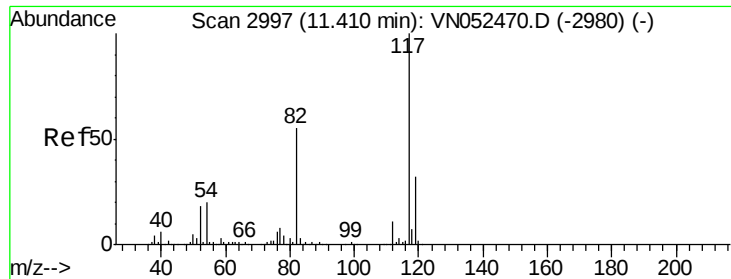
Tgt Ion: 43 Resp: 108086
Ion Ratio Lower Upper
43 100
58 46.3 27.4 82.0



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052559.D
Acq: 29 Nov 2018 12:38

Tgt Ion: 95 Resp: 793320
Ion Ratio Lower Upper
95 100
174 85.7 0.0 173.0
176 83.6 0.0 166.2

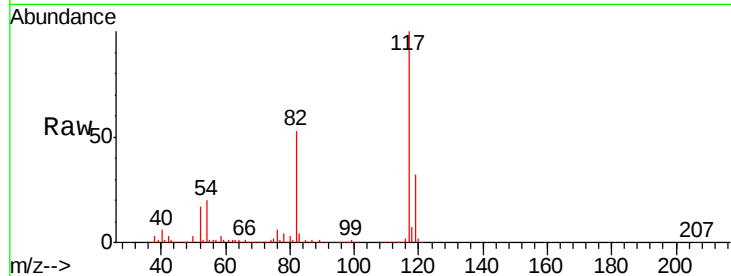




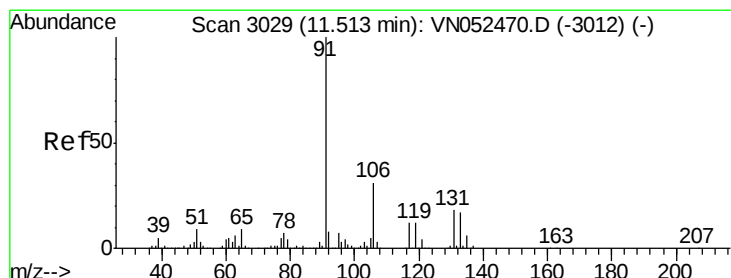
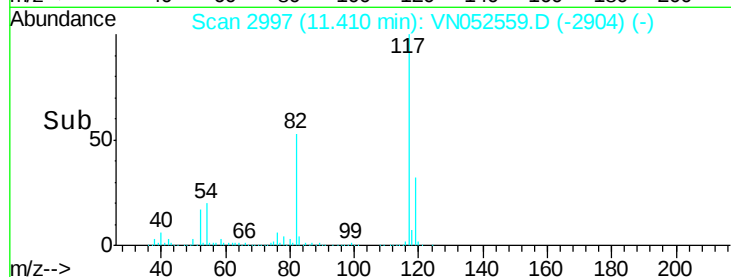
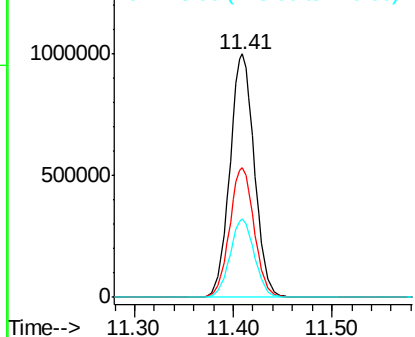
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052559.D
Acq: 29 Nov 2018 12:38

Instrument :
MSVOA_N
ClientSampled :
OILY-SOILDL

Tgt Ion:117 Resp: 1727094
Ion Ratio Lower Upper
117 100
82 53.3 43.6 65.4
119 32.1 25.4 38.2

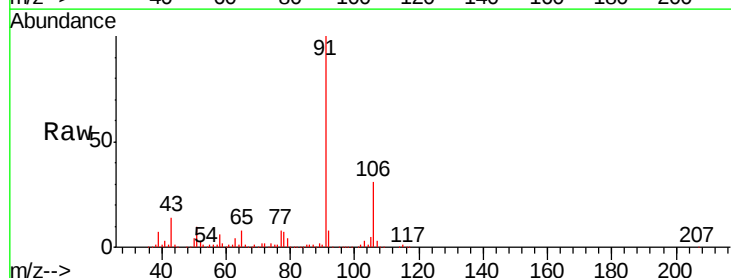


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

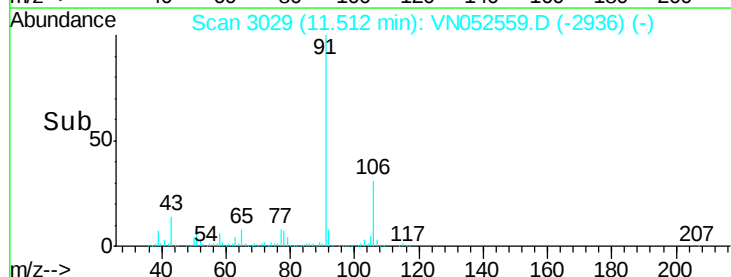
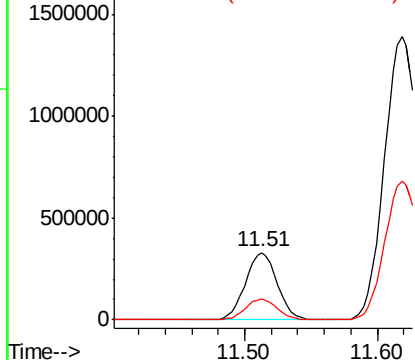


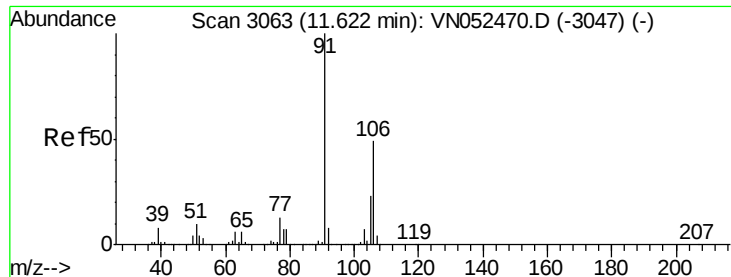
#67
Ethyl Benzene
Concen: 8.802 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052559.D
Acq: 29 Nov 2018 12:38

Tgt Ion: 91 Resp: 548931
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 106.00 (105.70 to 106.70): V

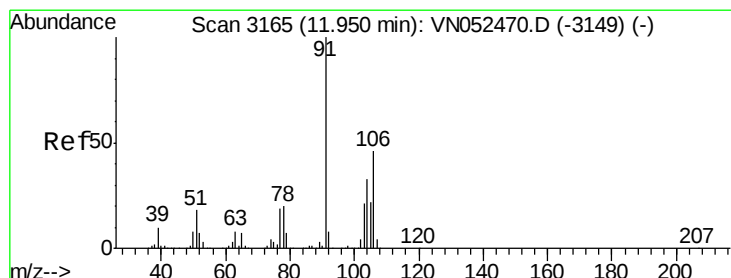
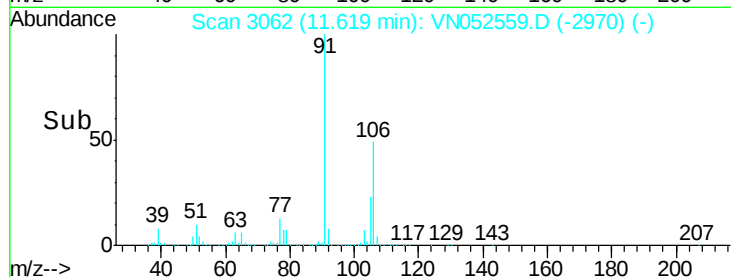
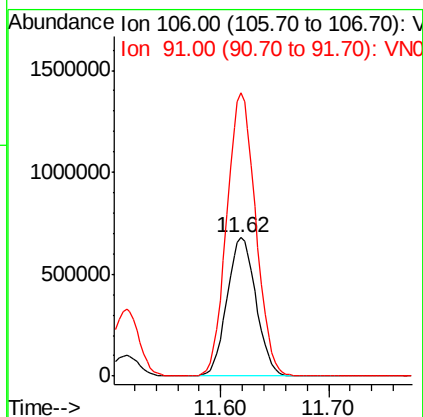
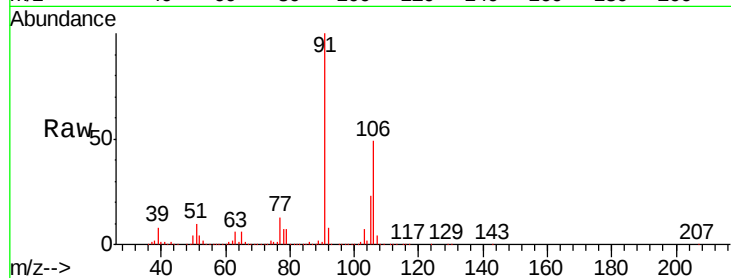




#68
m/p-Xylenes
Concen: 54.747 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052559.D
Acq: 29 Nov 2018 12:38

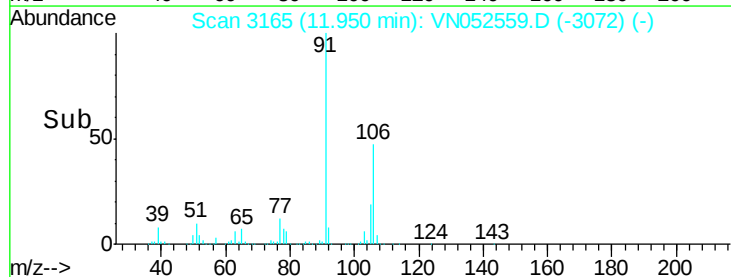
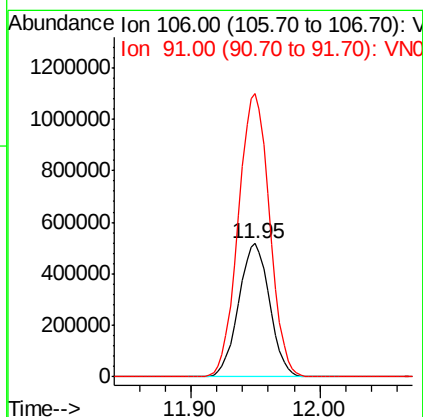
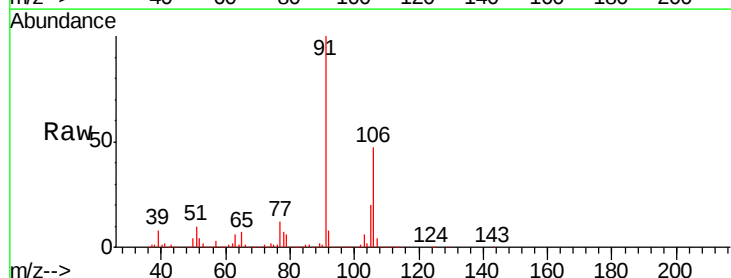
Instrument :
MSVOA_N
ClientSampleId :
OILY-SOILD

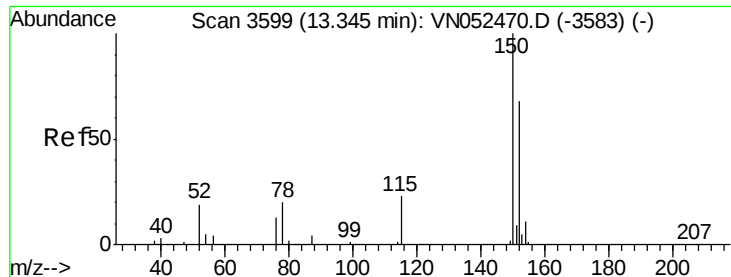
Tgt Ion:106 Resp: 1271033
Ion Ratio Lower Upper
106 100
91 204.1 163.2 244.8



#69
o-Xylene
Concen: 38.299 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052559.D
Acq: 29 Nov 2018 12:38

Tgt Ion:106 Resp: 863470
Ion Ratio Lower Upper
106 100
91 214.4 107.7 323.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052559.D

Acq: 29 Nov 2018 12:38

Instrument :

MSVOA_N

ClientSampled :

OILY-SOILDL

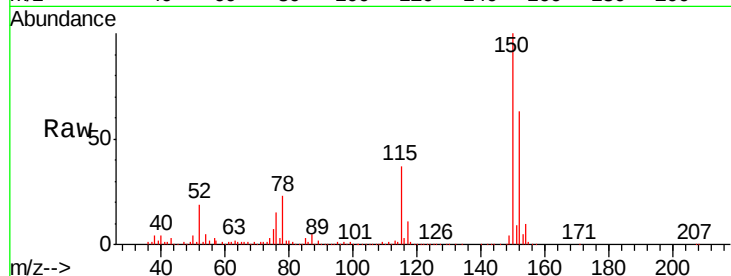
Tgt Ion:152 Resp: 701126

Ion Ratio Lower Upper

152 100

115 58.9 28.4 85.2

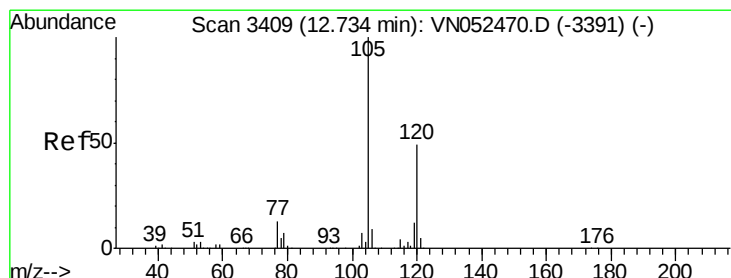
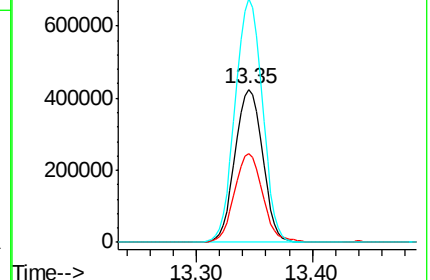
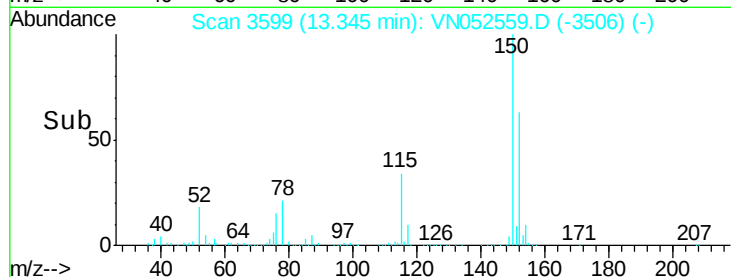
150 157.3 0.0 346.0



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



#80

1,3,5-Trimethylbenzene

Concen: 2.828 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052559.D

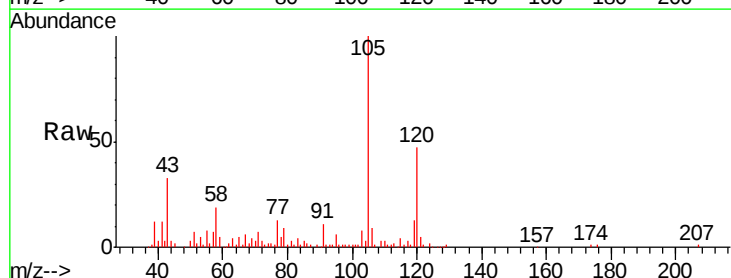
Acq: 29 Nov 2018 12:38

Tgt Ion:105 Resp: 124085

Ion Ratio Lower Upper

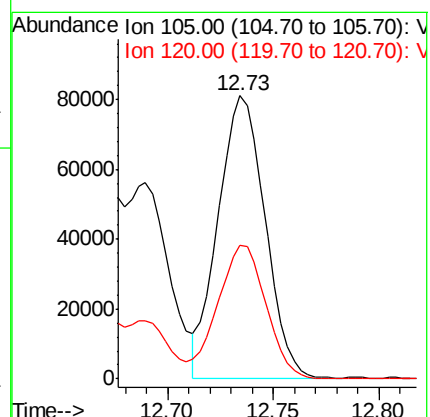
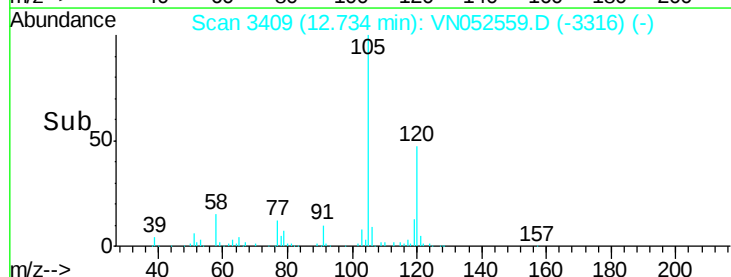
105 100

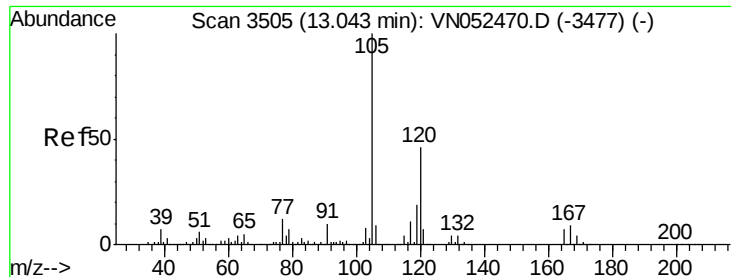
120 49.3 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

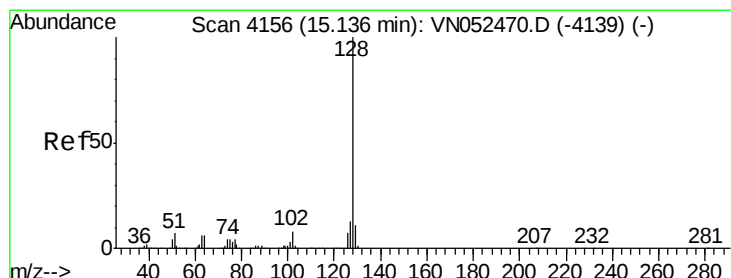
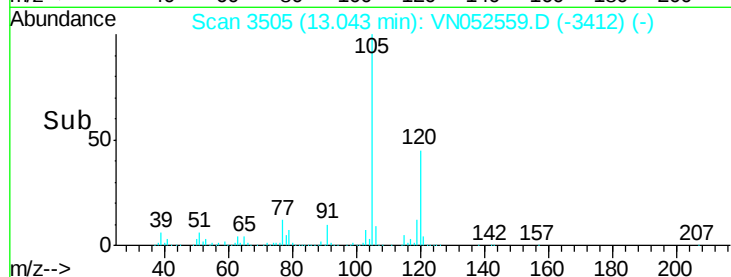
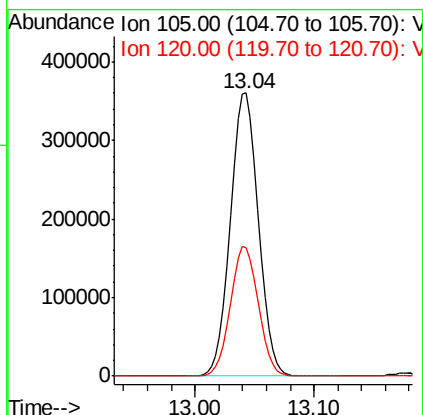
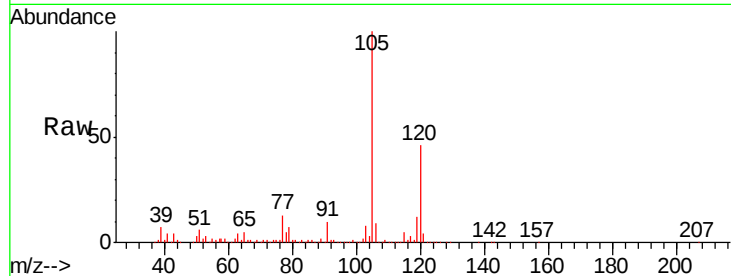




#84
 1,2,4-Trimethylbenzene
 Concen: 13.381 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN052559.D
 Acq: 29 Nov 2018 12:38

Instrument :
 MSVOA_N
 ClientSampleID :
 OILY-SOILDL

Tgt Ion:105 Resp: 588322
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.8 68.4



#95
 Naphthalene
 Concen: 19.652 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN052559.D
 Acq: 29 Nov 2018 12:38

Tgt Ion:128 Resp: 459768
 Ion Ratio Lower Upper
 128 100
 127 12.6 10.2 15.2
 129 10.6 8.7 13.1

