

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-SOILD

Quant Time: Nov 30 00:18:12 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
11) Tert butyl alcohol	4.78	59	172	0.238	ug/l #	73
13) Acrolein	3.61	56	660	33.926	ug/l #	54
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
31) Cyclohexane	7.66	56	32263	0.941	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	90187	4.742	ug/l #	49
37) Ethyl Acetate	6.85	43	39095	3.369	ug/l #	71
38) Carbon Tetrachloride	7.67	117	115883	6.731	ug/l #	16
39) Methylcyclohexane	9.08	83	5189	0.224	ug/l #	89
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
53) t-1,3-Dichloropropene	10.16	75	45827	2.627	ug/l #	1
55) 1,1,2-Trichloroethane	10.41	97	62734	5.296	ug/l #	17
56) Ethyl methacrylate	10.42	69	4144	2.932	ug/l #	25
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
70) Styrene	11.95	104	43511	1.212	ug/l #	1
71) Bromoform	12.40	173	4696	0.573	ug/l #	1
73) Isopropylbenzene	12.25	105	17922	0.326	ug/l	95
74) N-amyl acetate	12.03	43	123661	8.898	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	12.52	83	7417	0.593	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	372020	34.409	ug/l #	100
78) n-propylbenzene	12.59	91	36646	0.586	ug/l	96
79) 2-Chlorotoluene	12.66	91	29134	0.783	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.73	105	124085	2.828	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	372020	114.909	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.04	105	588322	13.381	ug/l	100
85) sec-Butylbenzene	13.04	105	588322	11.044	ug/l #	57
90) Hexachloroethane	13.89	117	2788	0.363	ug/l #	8

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

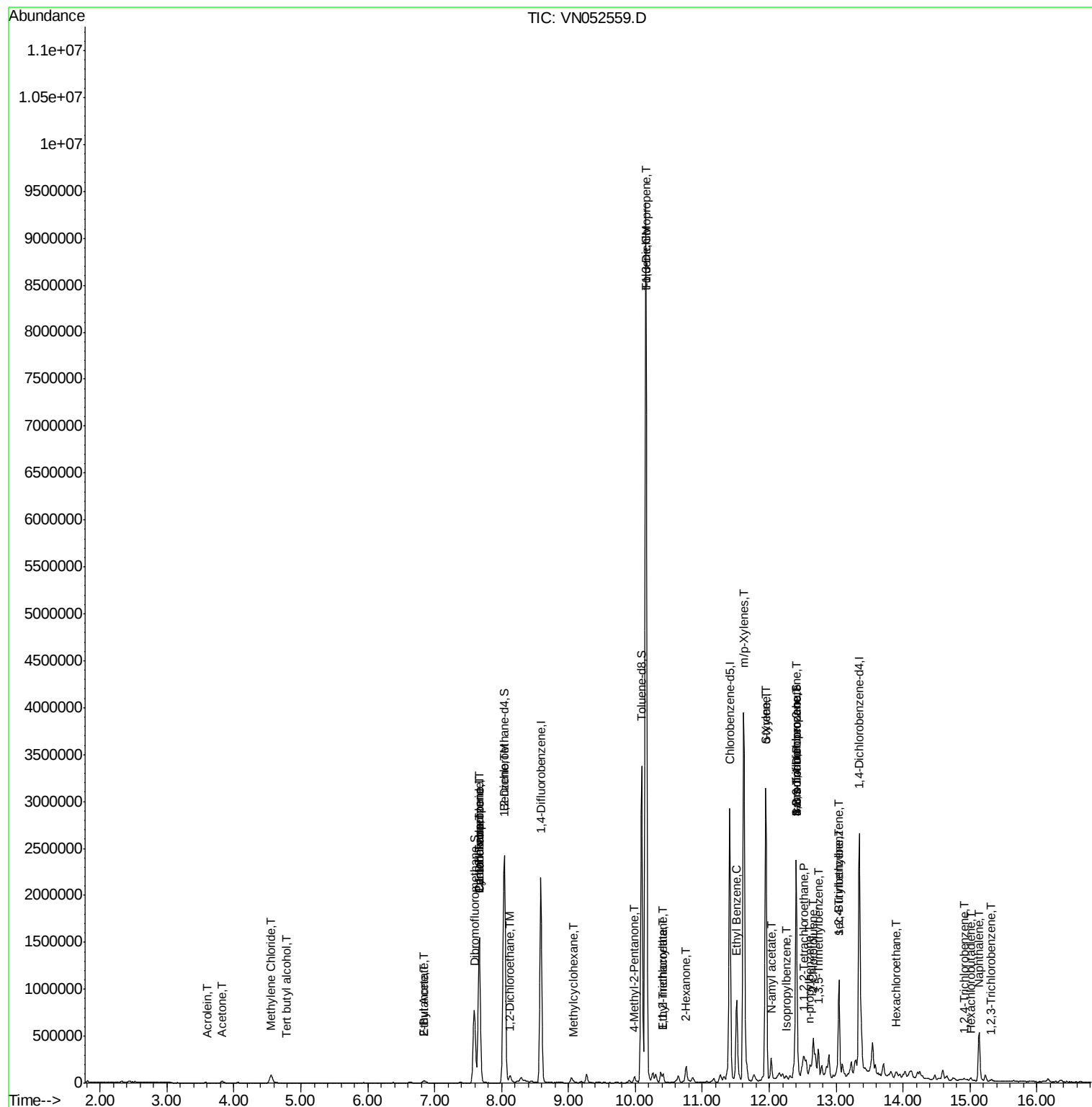
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	6406	3.315	ug/l	98
94) Hexachlorobutadiene	15.01	225	1752	0.240	ug/l	92
95) Naphthalene	15.14	128	459768	19.652	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	6177	3.237	ug/l	96

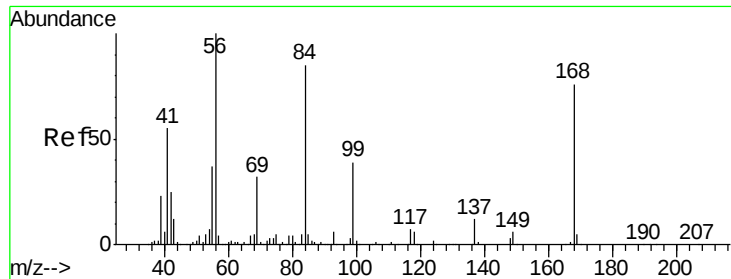
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112918\
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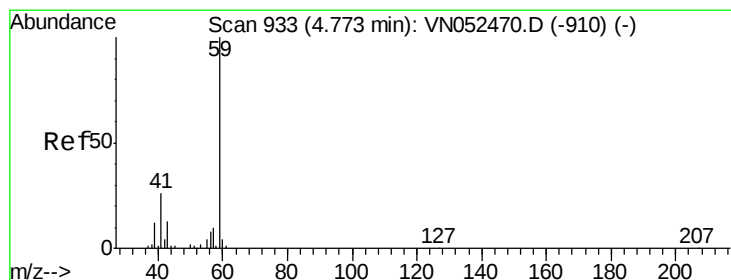
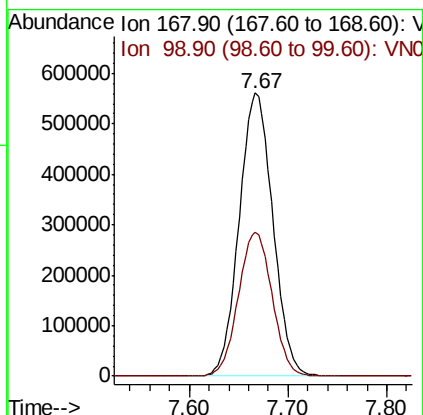
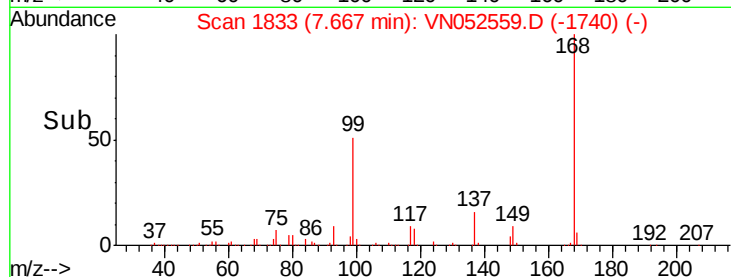
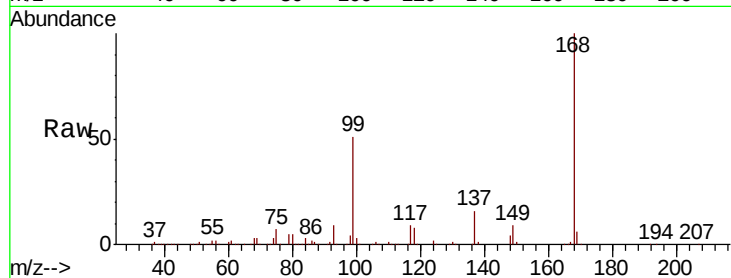


#1

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

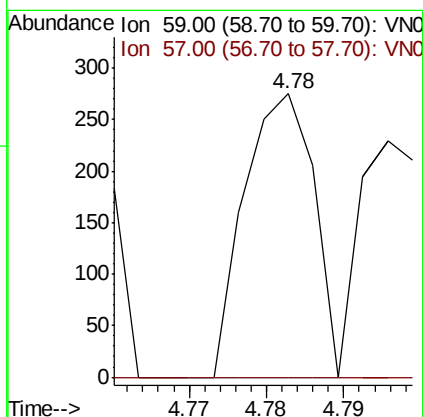
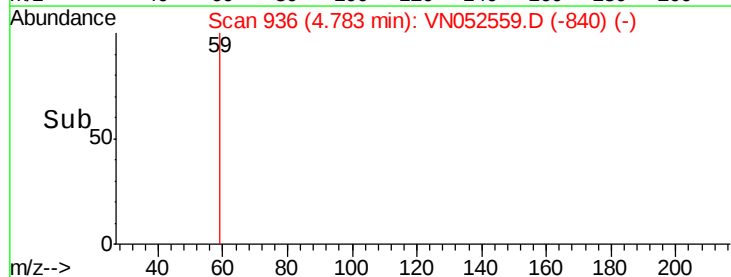
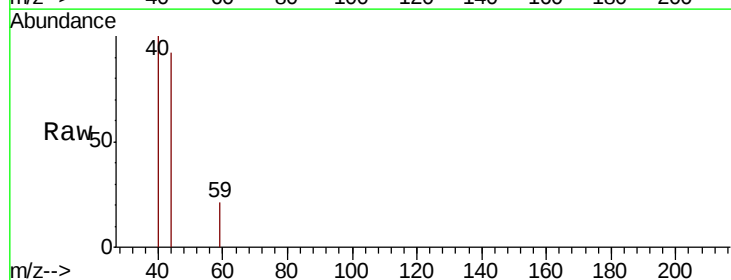
Tot Ion:168 Resp: 1324877
 Ion Ratio Lower Upper
 168 100
 99 51.0 41.7 62.5

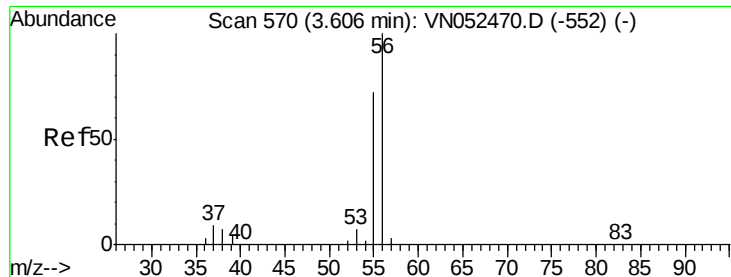


#11

Tert butyl alcohol
 Concen: 0.238 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN052559.D
 Acq: 29 Nov 2018 12:38

Tgt Ion: 59 Resp: 172
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#





#13

Acrolein

Concen: 33.926 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN052559.D

Acq: 29 Nov 2018 12:38

Instrument :

MSVOA_N

ClientSampled :

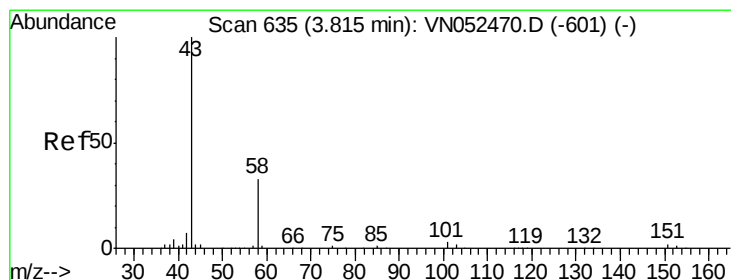
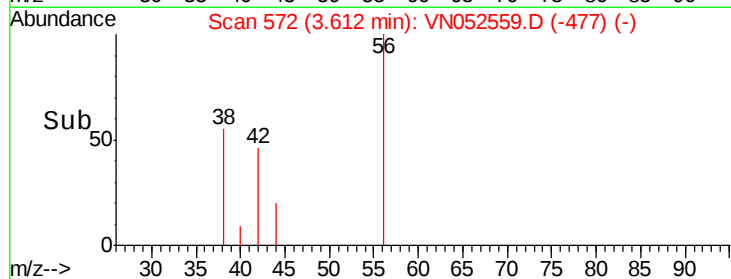
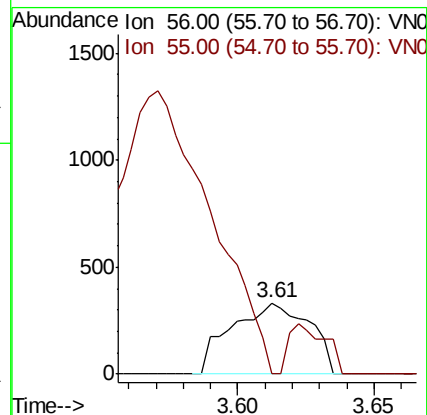
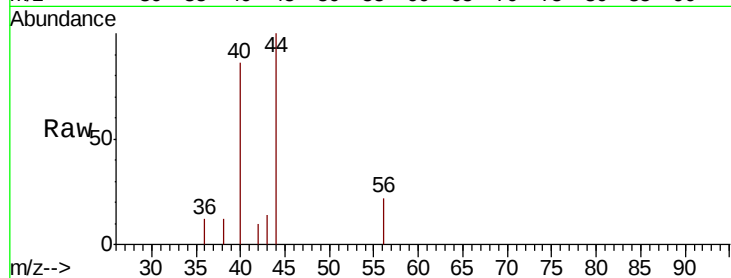
OILY-SOILDL

Tot Ion: 56 Resp: 660

Ion Ratio Lower Upper

56 100

55 32.7 56.8 85.2#



#16

Acetone

Concen: 6.699 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052559.D

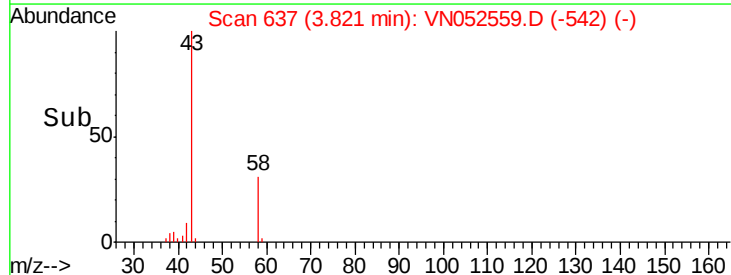
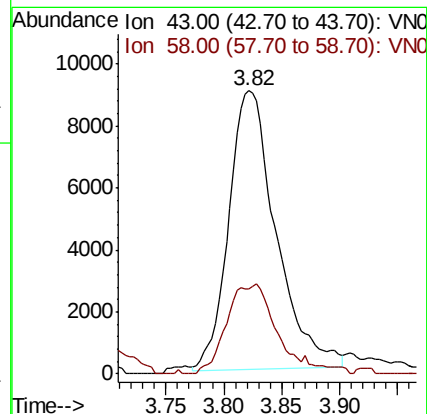
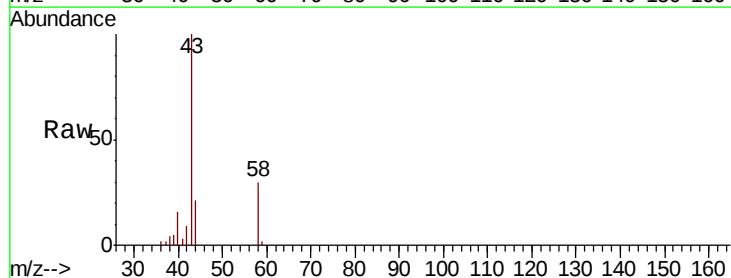
Acq: 29 Nov 2018 12:38

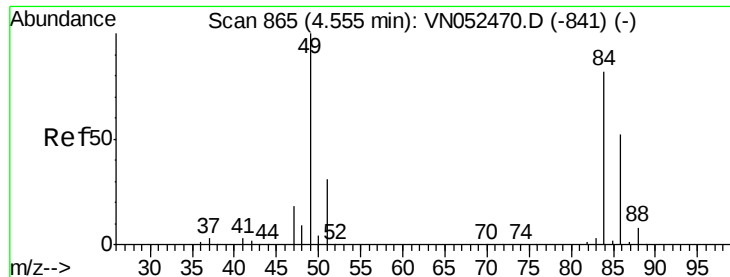
Tgt Ion: 43 Resp: 25487

Ion Ratio Lower Upper

43 100

58 30.7 26.0 39.0

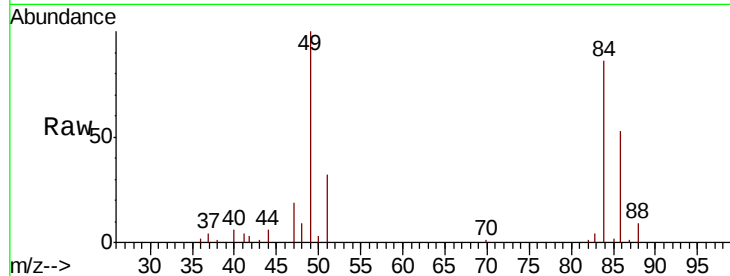




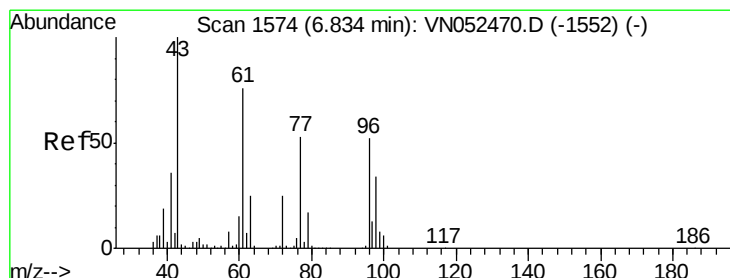
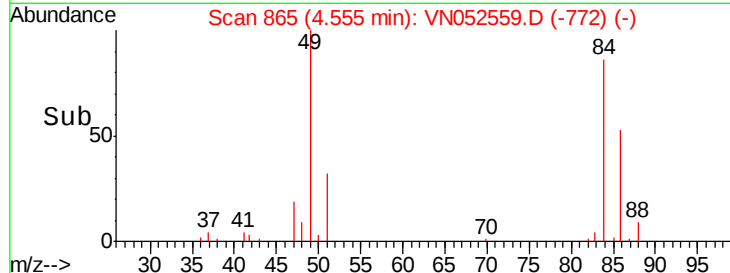
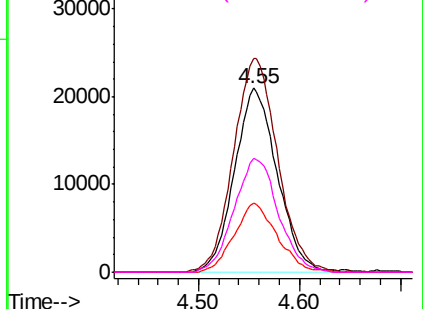
#20
Methvlene Chloride
Concen: 4.146 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052559.D
Acq: 29 Nov 2018 12:38

Instrument :
MSVOA_N
ClientSampled :
OILY-SOILDL

Tot 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

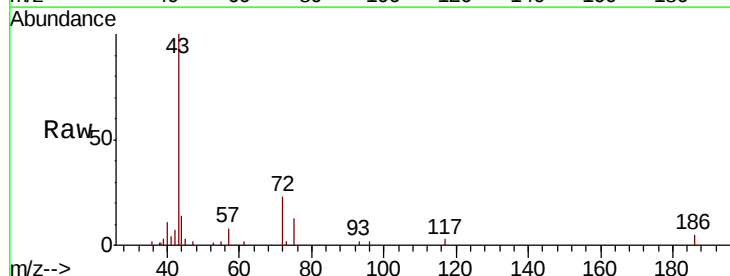


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

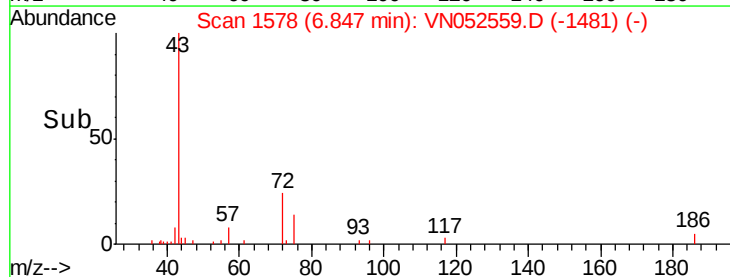
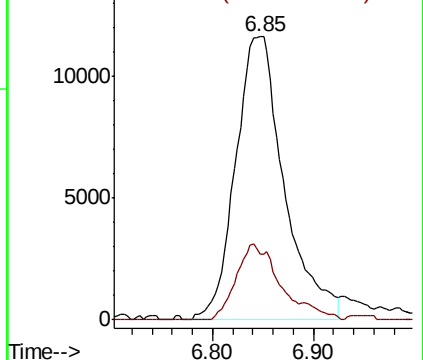


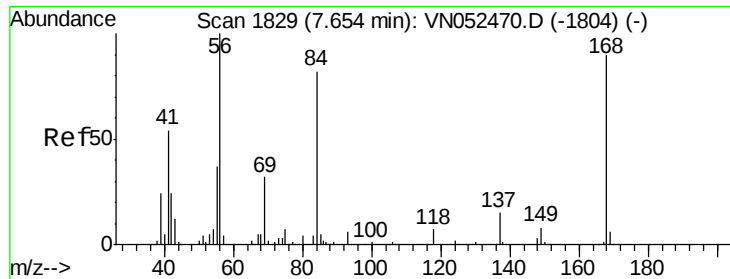
#25
2-Butanone
Concen: 7.249 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN052559.D
Acq: 29 Nov 2018 12:38

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): VNO
Ion 72.00 (71.70 to 72.70): VNO

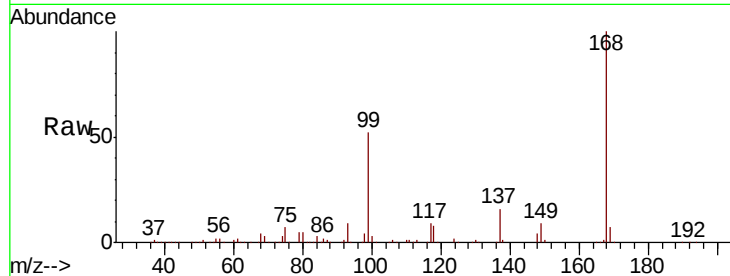




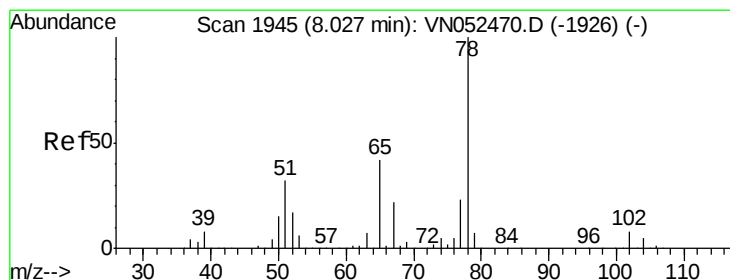
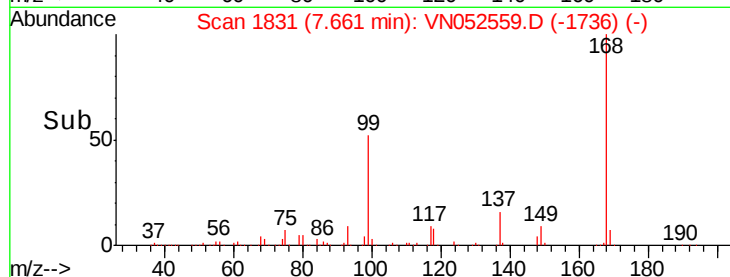
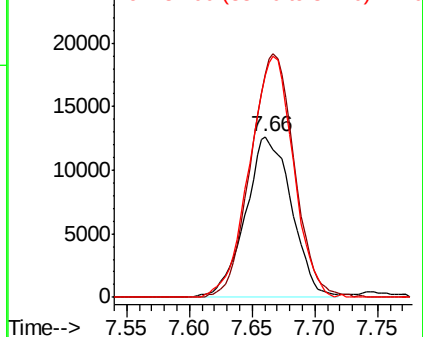
#31
Cyclohexane
Concen: 0.941 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN052559.D
Acq: 29 Nov 2018 12:38

Instrument :
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ClientSampleId :
OILY-SOILD

Tot Ion: 56 Resp: 32263
Ion Ratio Lower Upper
56 100
69 139.2 25.8 38.6#
84 138.2 65.3 97.9#

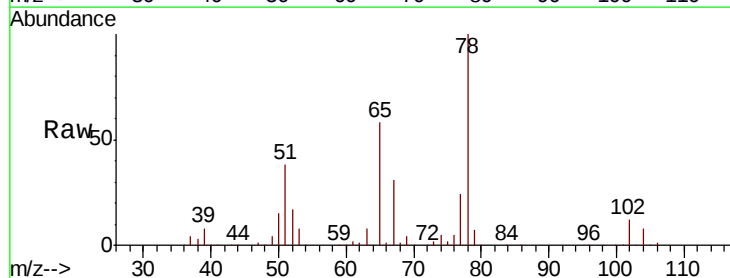


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

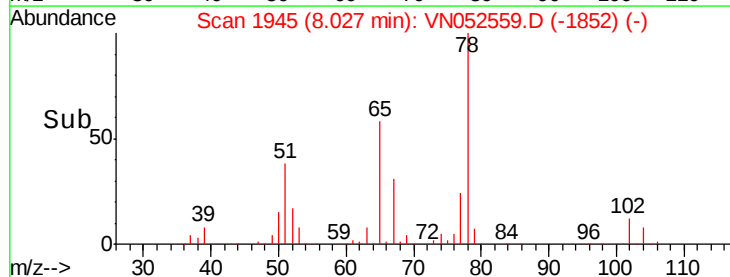
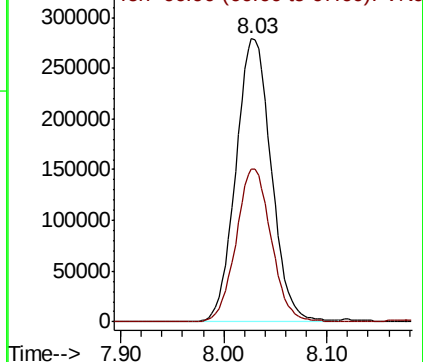


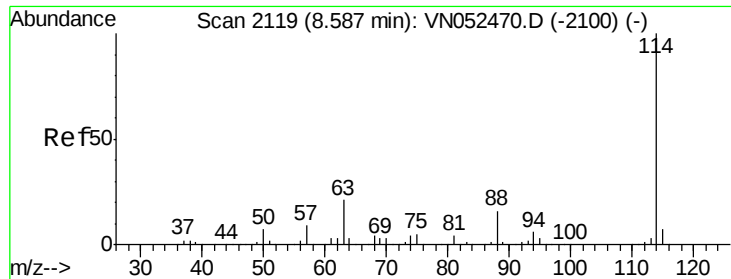
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052559.D
Acq: 29 Nov 2018 12:38

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

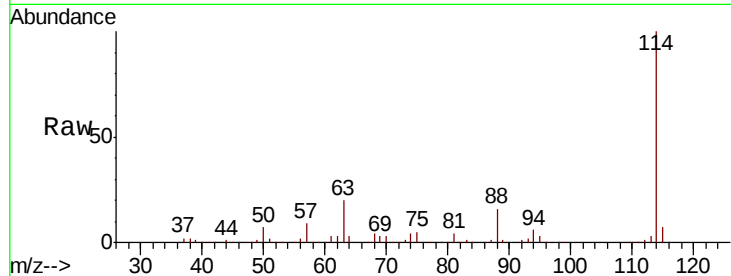




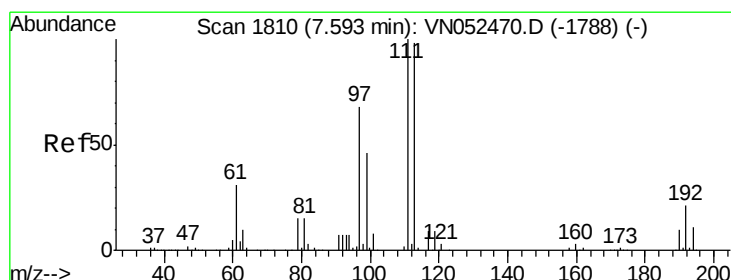
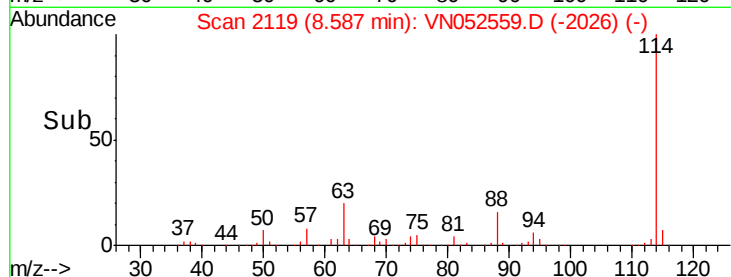
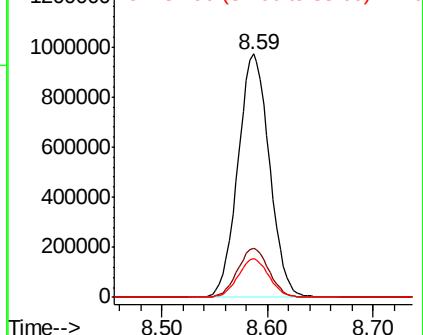
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN052559.D
Acq: 29 Nov 2018 12:38

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOILDL

Tot Ion:114 Resp: 2013825
Ion Ratio Lower Upper
114 100
63 20.3 0.0 41.8
88 15.8 0.0 31.6

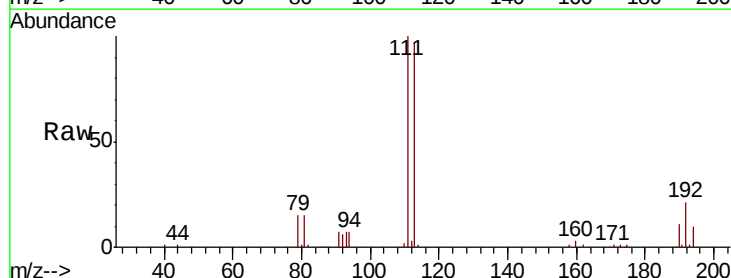


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

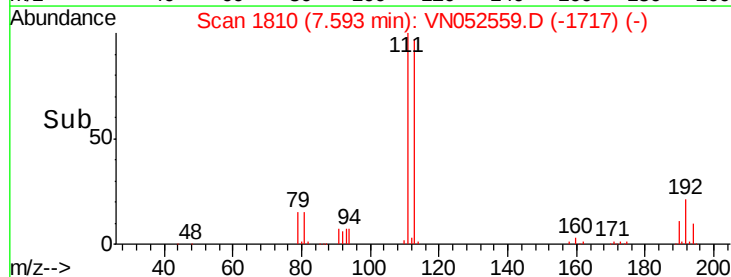
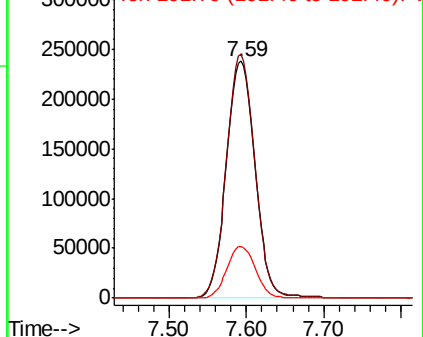


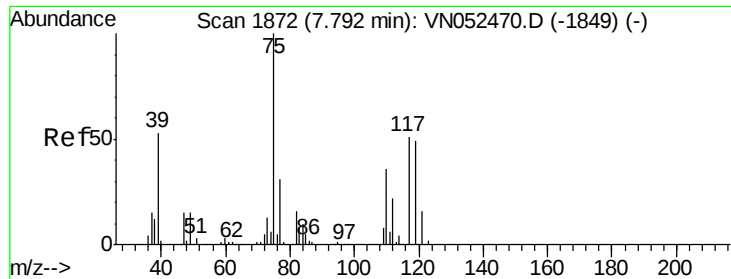
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052559.D
Acq: 29 Nov 2018 12:38

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



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: 4.742 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052559.D

Acq: 29 Nov 2018 12:38

Instrument :

MSVOA_N

ClientSampled :

OILY-SOILDL

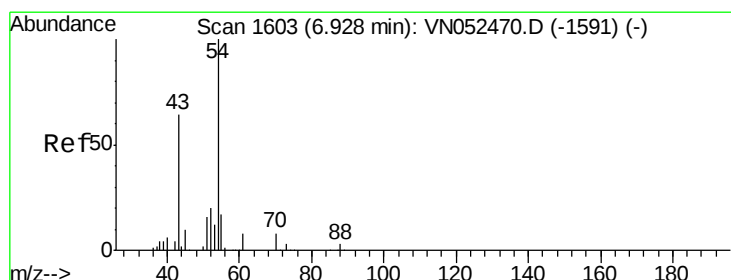
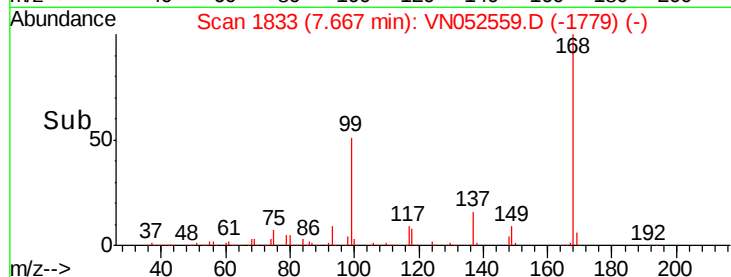
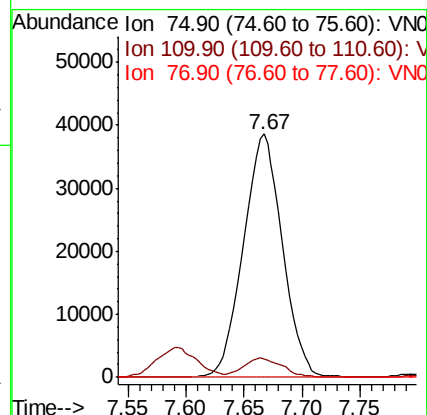
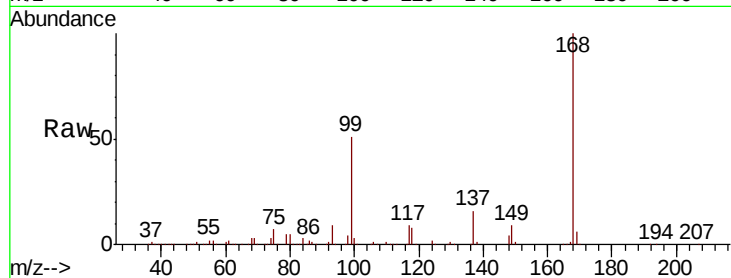
Tot Ion: 75 Resp: 90187

Ion Ratio Lower Upper

75 100

110 8.0 17.5 52.6#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 3.369 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.08 min

Lab File: VN052559.D

Acq: 29 Nov 2018 12:38

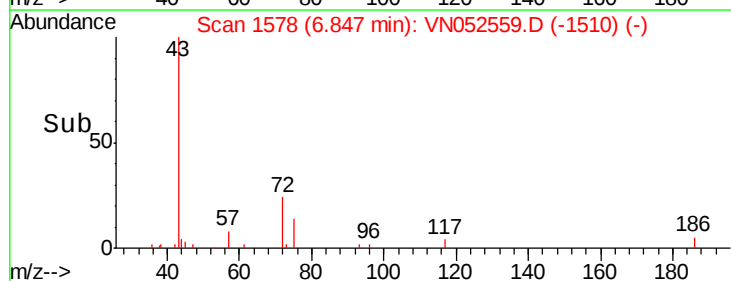
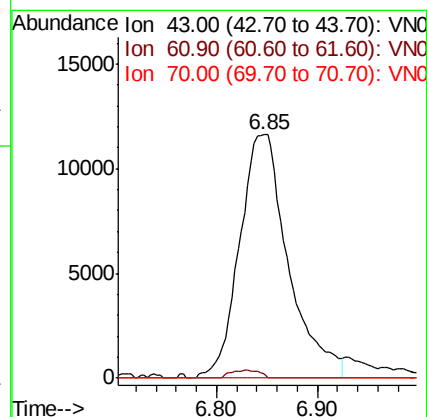
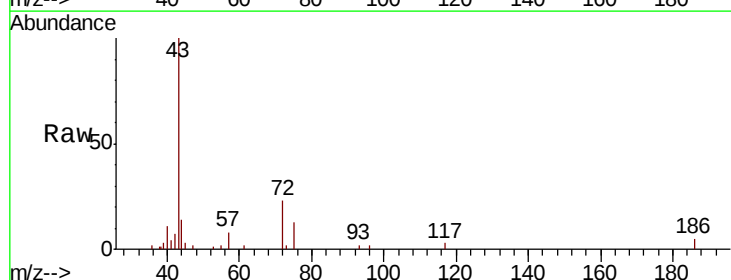
Tgt Ion: 43 Resp: 39095

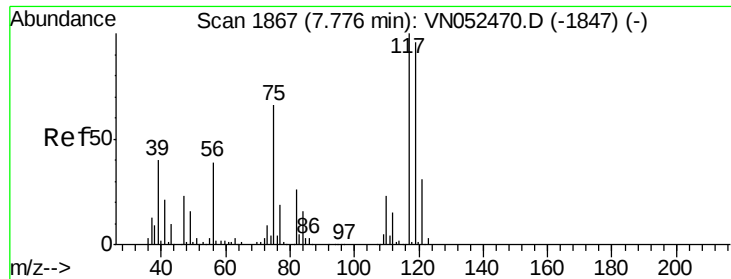
Ion Ratio Lower Upper

43 100

61 1.9 11.8 17.8#

70 0.0 7.8 11.8#

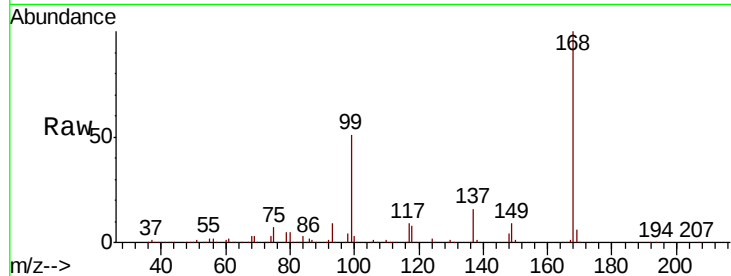




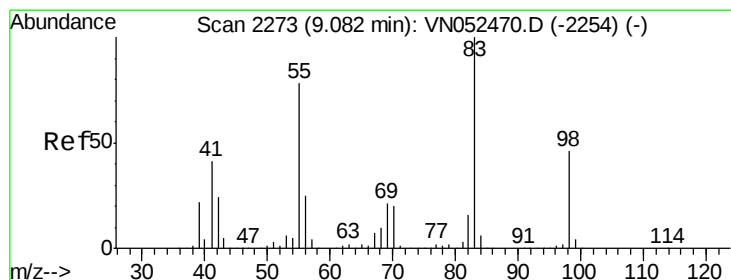
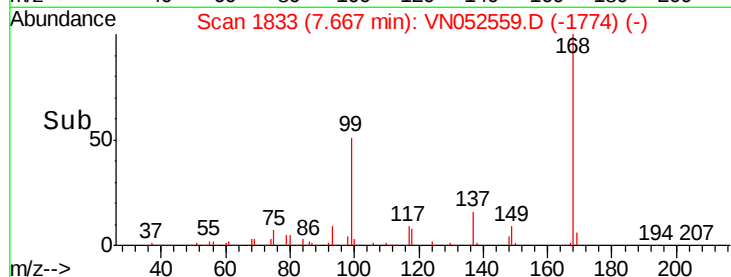
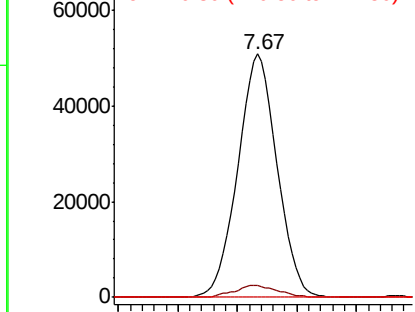
#38
Carbon Tetrachloride
Concen: 6.731 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052559.D
Acq: 29 Nov 2018 12:38

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOILD

Tot Ion:117 Resp: 115883
Ion Ratio Lower Upper
117 100
119 4.8 76.8 115.2#
121 0.0 24.9 37.3#

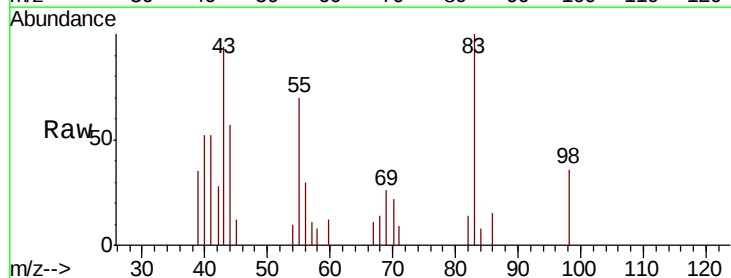


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

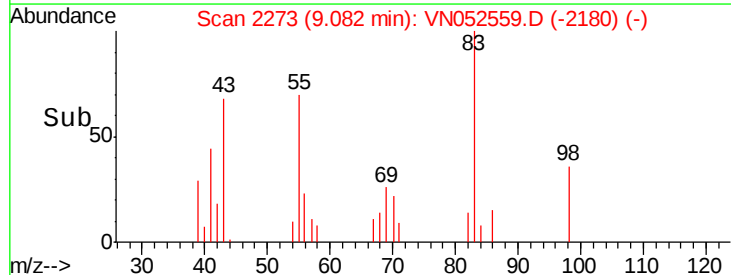
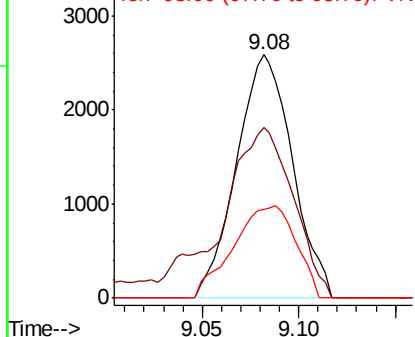


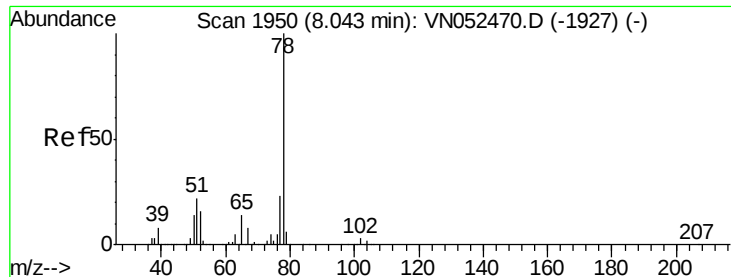
#39
Methylcyclohexane
Concen: 0.224 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052559.D
Acq: 29 Nov 2018 12:38

Tgt Ion: 83 Resp: 5189
Ion Ratio Lower Upper
83 100
55 70.3 62.2 93.2
98 36.4 36.4 54.6#



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V





#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

Instrument :

MSVOA_N

ClientSampleId :

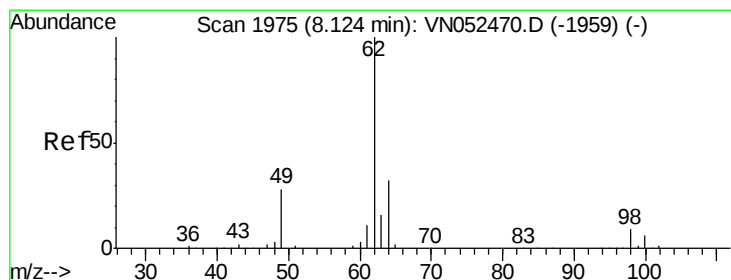
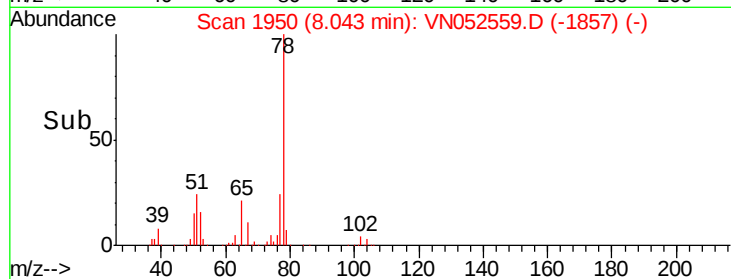
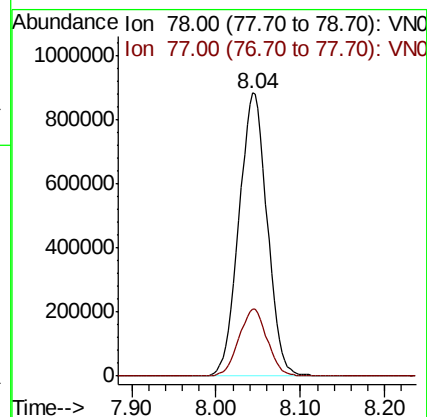
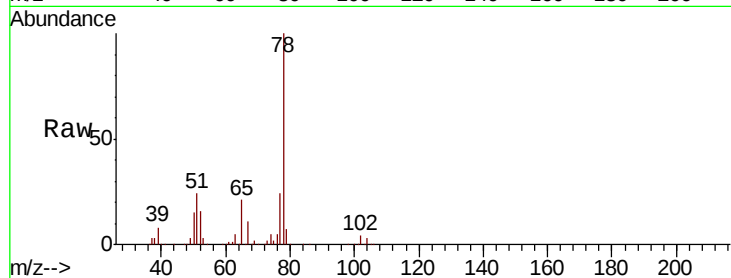
OILY-SOILDL

Tot 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

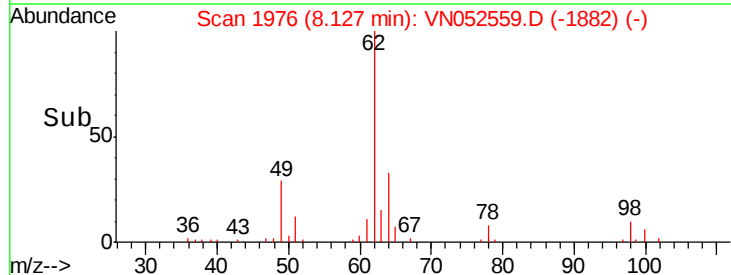
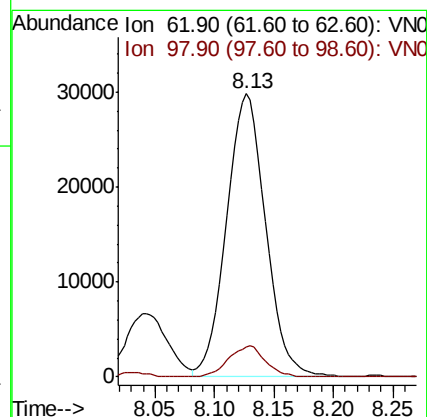
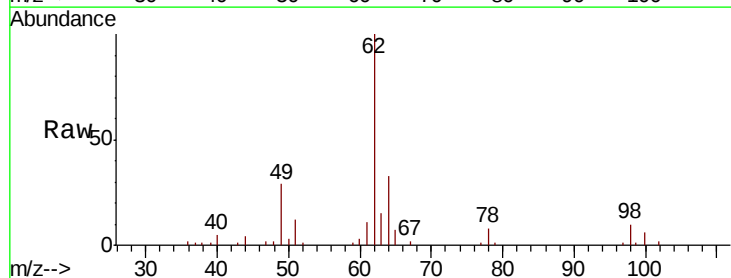
Acq: 29 Nov 2018 12:38

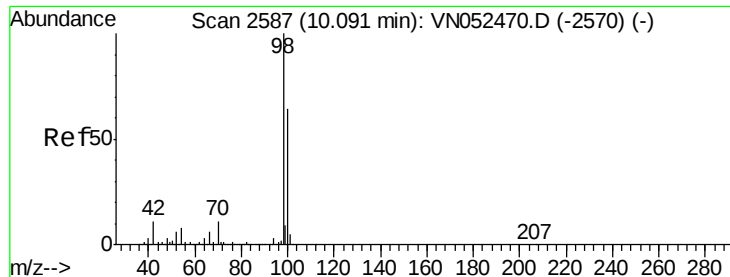
Tgt Ion: 62 Resp: 68027

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

Instrument :

MSVOA_N

ClientSampled :

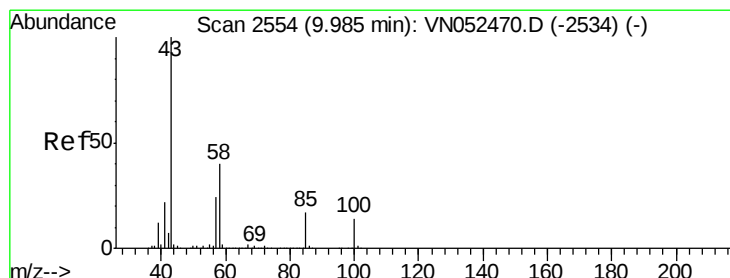
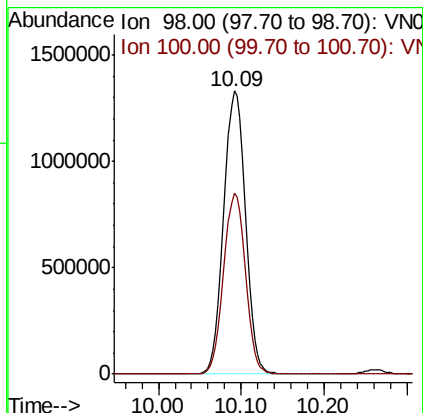
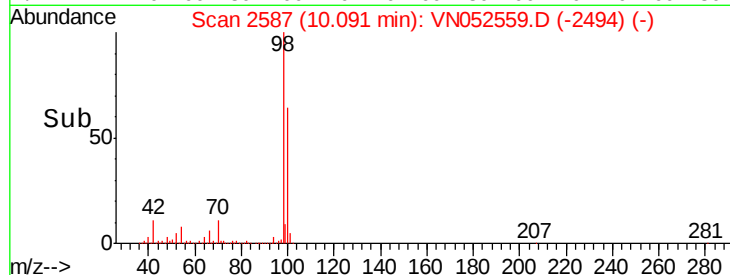
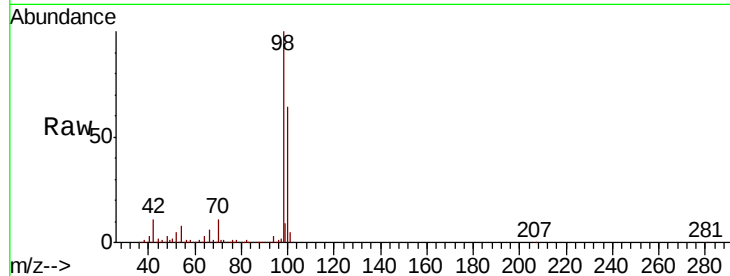
OILY-SOILDL

Tot 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

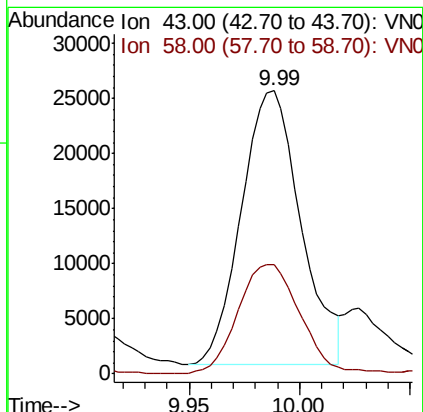
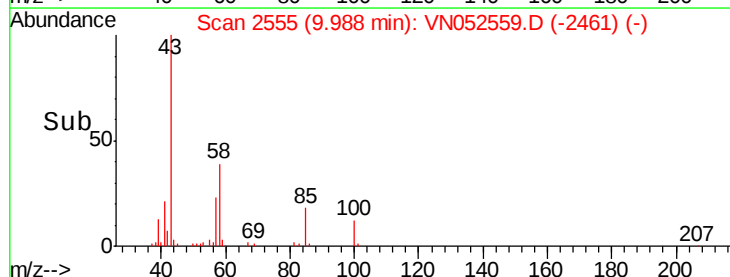
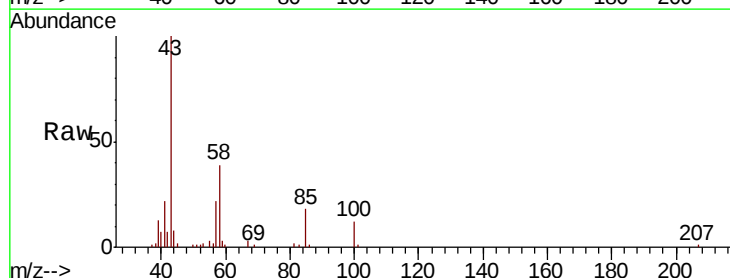
Acq: 29 Nov 2018 12:38

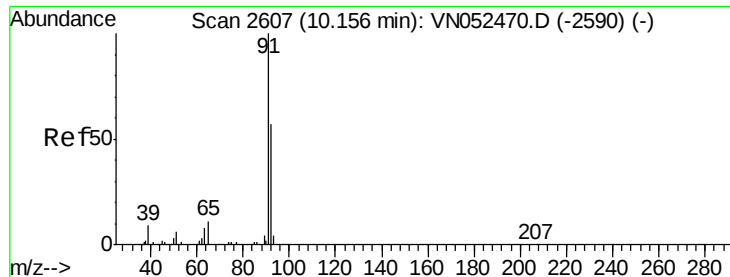
Tgt Ion: 43 Resp: 46786

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

Instrument :

MSVOA_N

ClientSampleId :

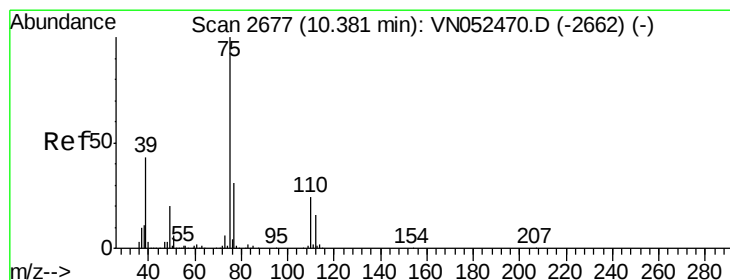
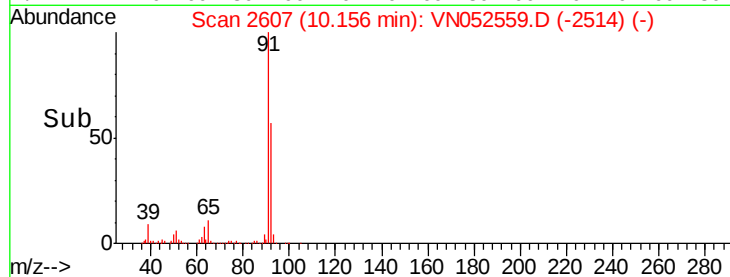
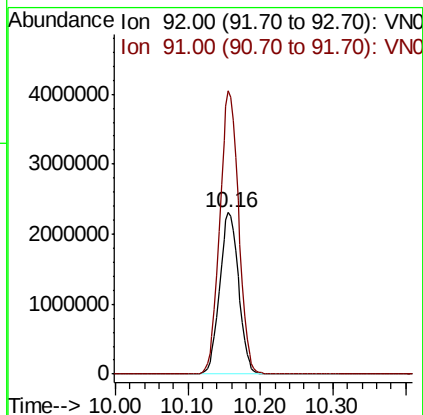
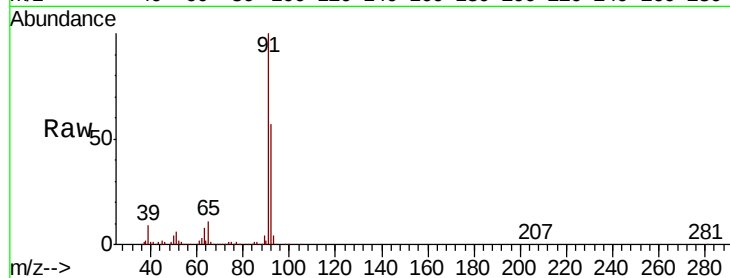
OILY-SOILDL

Tot Ion: 92 Resp: 4163864

Ion Ratio Lower Upper

92 100

91 175.2 141.0 211.4



#53

t-1,3-Dichloropropene

Concen: 2.627 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. -0.22 min

Lab File: VN052559.D

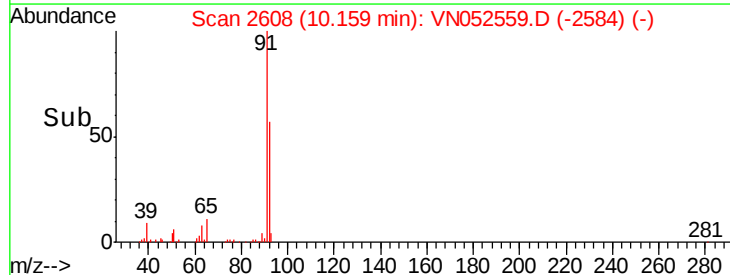
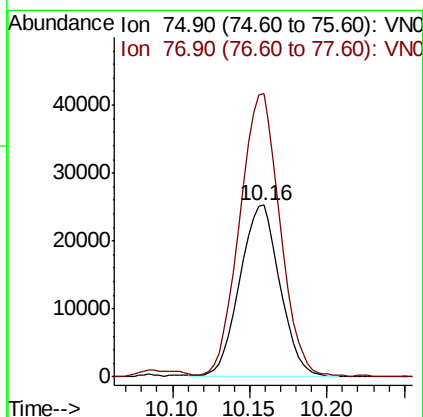
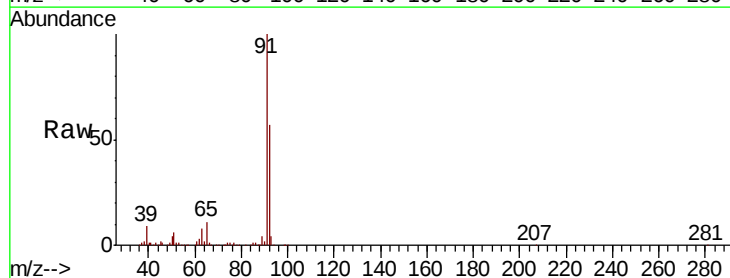
Acq: 29 Nov 2018 12:38

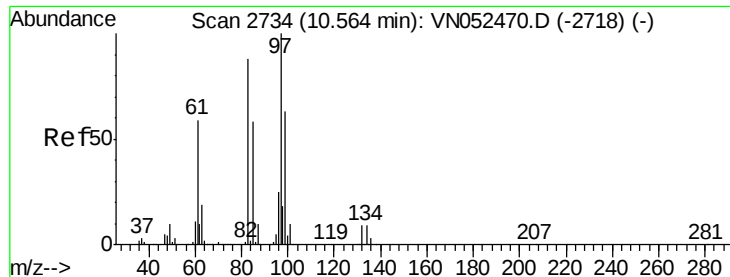
Tgt Ion: 75 Resp: 45827

Ion Ratio Lower Upper

75 100

77 163.7 25.0 37.4#





#55

1,1,2-Trichloroethane

Concen: 5.296 ug/l

RT: 10.41 min Scan# 2687

Delta R.T. -0.15 min

Lab File: VN052559.D

Acq: 29 Nov 2018 12:38

Instrument :

MSVOA_N

ClientSampled :

OILY-SOILDL

Tot Ion: 97 Resp: 62734

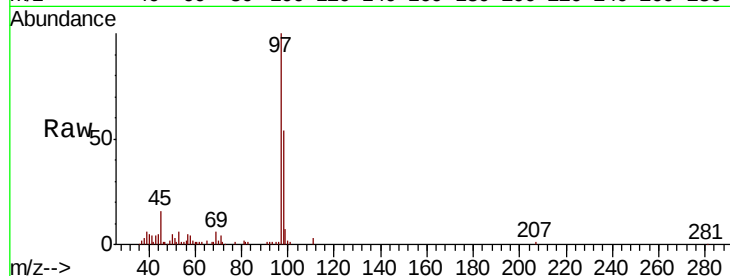
Ion Ratio Lower Upper

97 100

83 1.2 70.7 106.1#

85 0.0 46.1 69.1#

99 7.2 50.8 76.2#

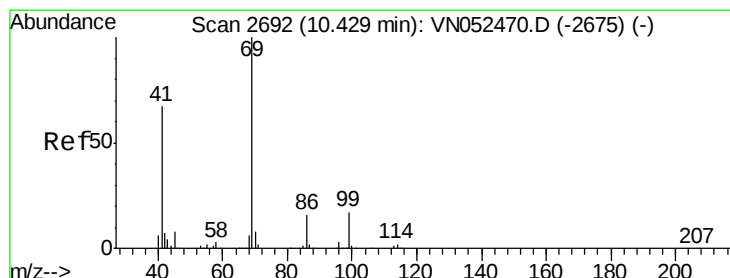
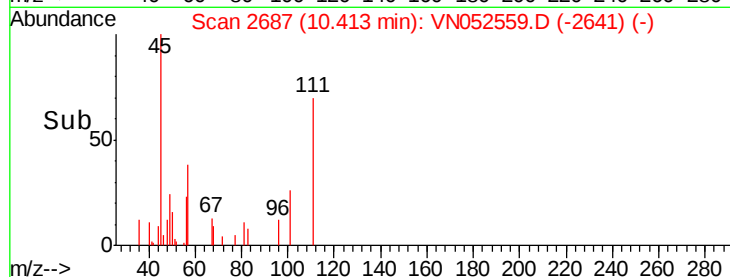
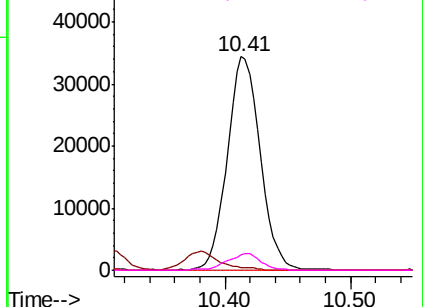


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 2.932 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.01 min

Lab File: VN052559.D

Acq: 29 Nov 2018 12:38

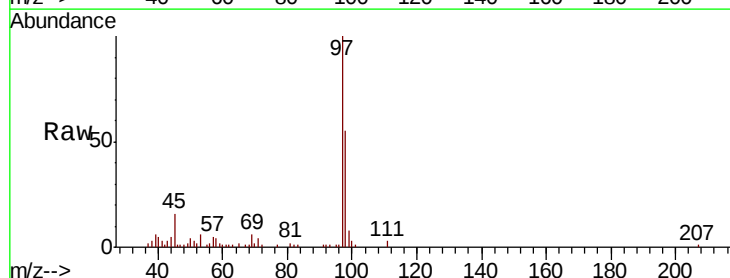
Tgt Ion: 69 Resp: 4144

Ion Ratio Lower Upper

69 100

41 0.0 52.6 79.0#

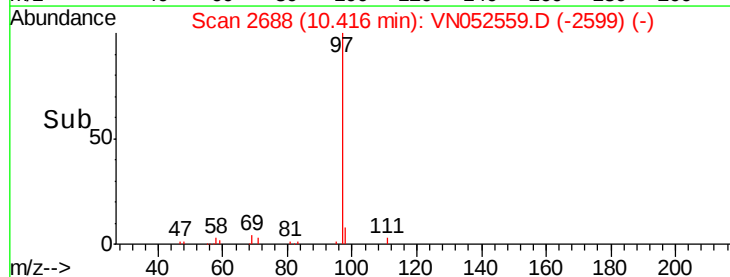
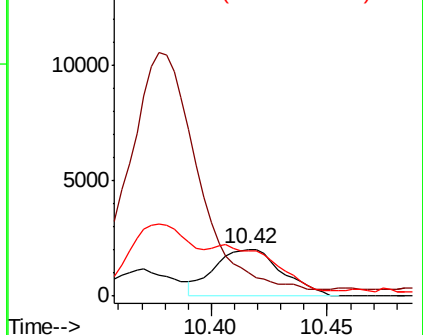
39 0.0 25.9 38.9#

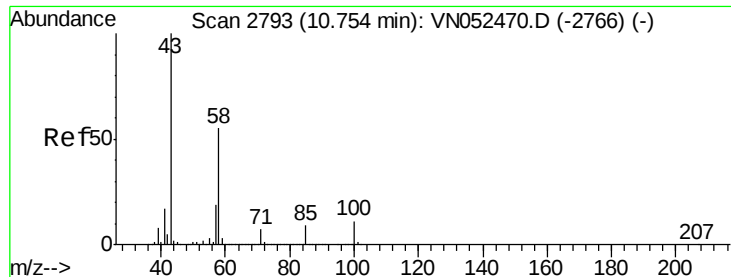


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

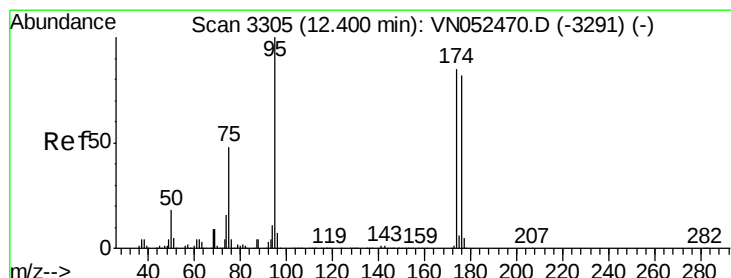
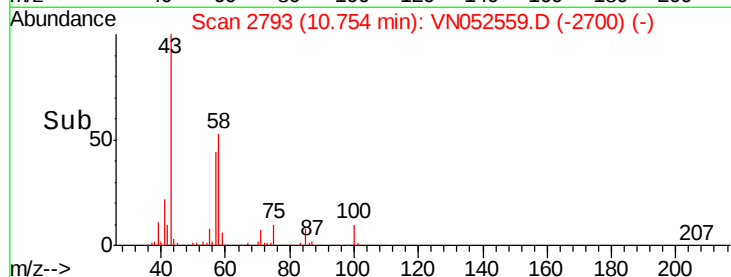
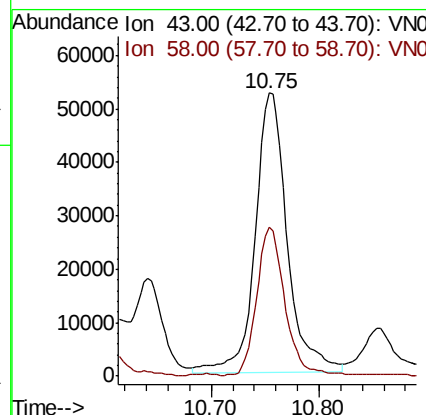
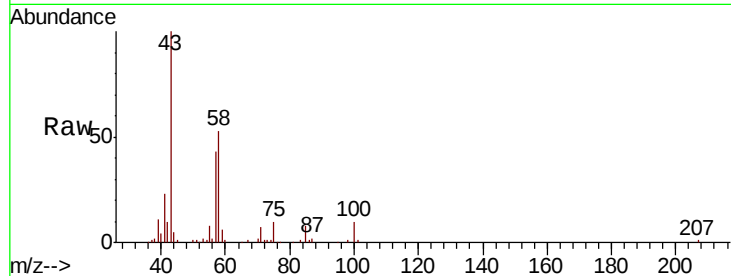




#59
2-Hexanone
Concen: 14.614 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN052559.D
Acq: 29 Nov 2018 12:38

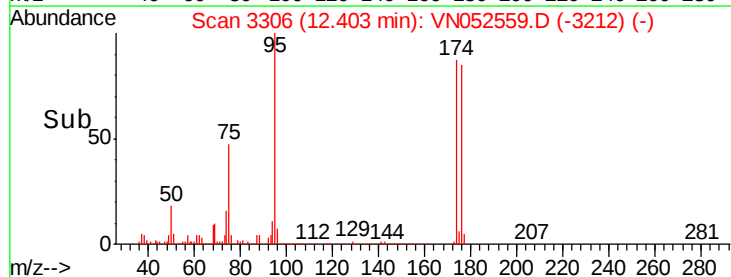
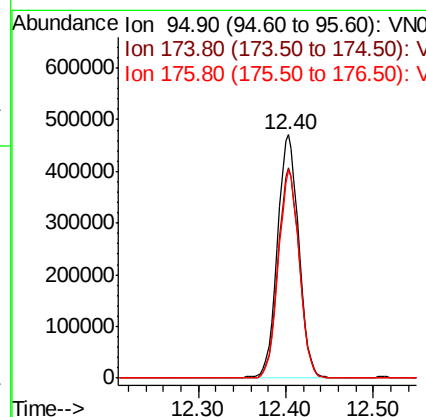
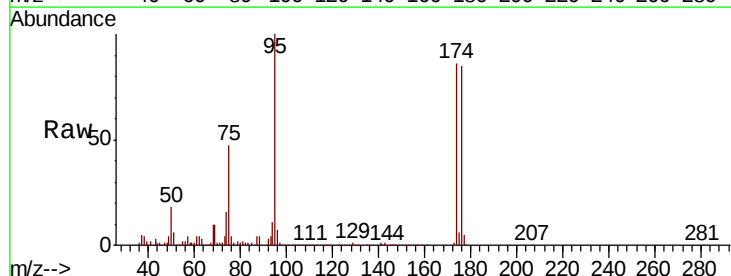
Instrument :
MSVOA_N
ClientSampled :
OILY-SOILDL

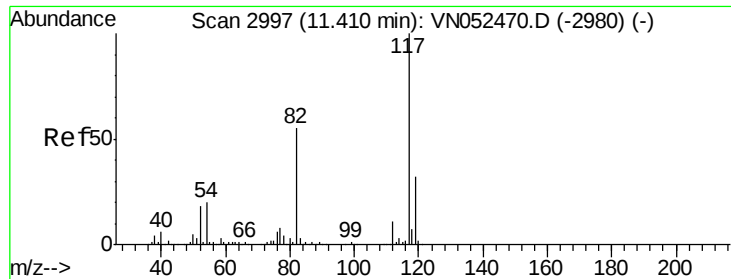
Tot Ion: 43 Resp: 108086
Ion Ratio Lower Upper
43 100
58 46.3 27.4 82.0



#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

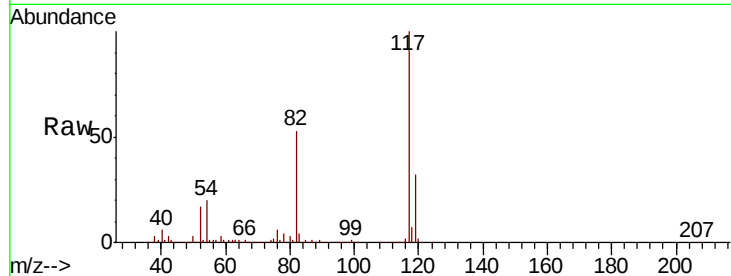




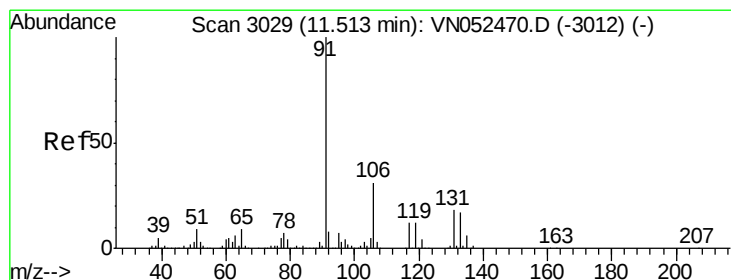
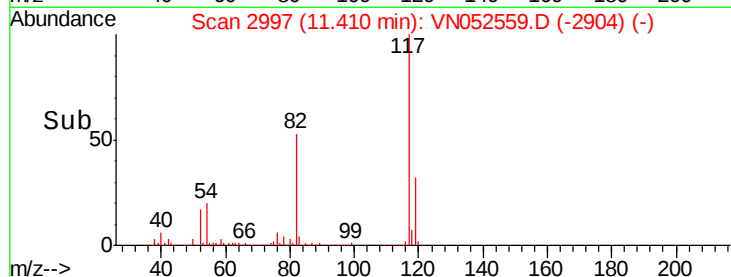
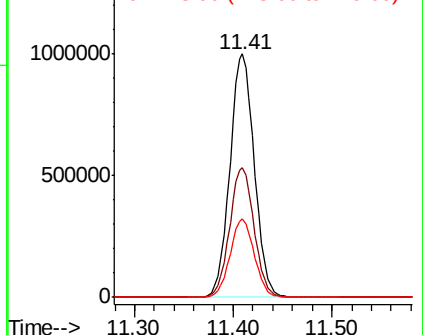
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052559.D
Acq: 29 Nov 2018 12:38

Instrument :
MSVOA_N
ClientSampled :
OILY-SOILDL

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

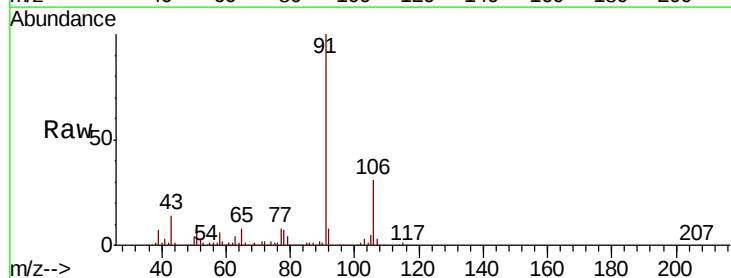


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

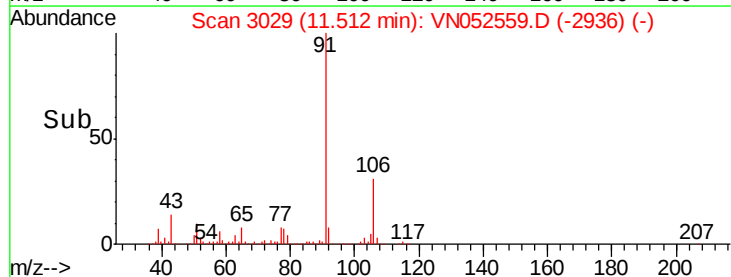
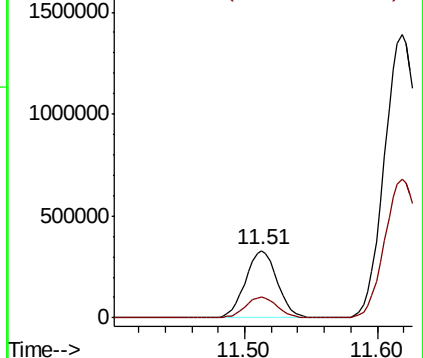


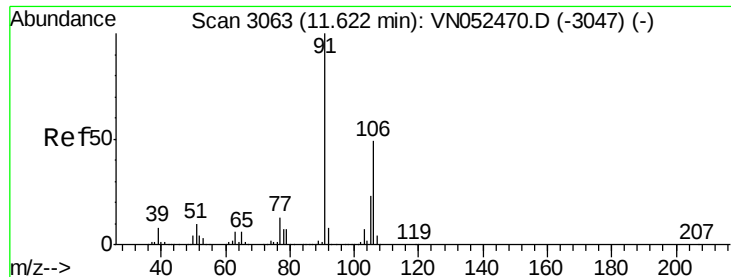
#67
Ethyl Benzene
Concen: 8.802 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052559.D
Acq: 29 Nov 2018 12:38

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): VN
Ion 106.00 (105.70 to 106.70): V

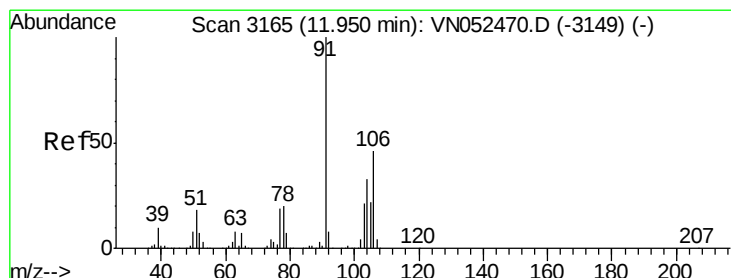
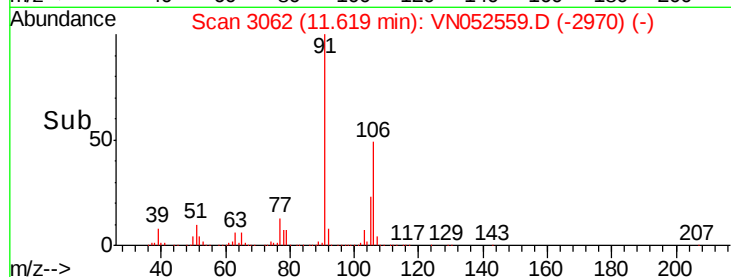
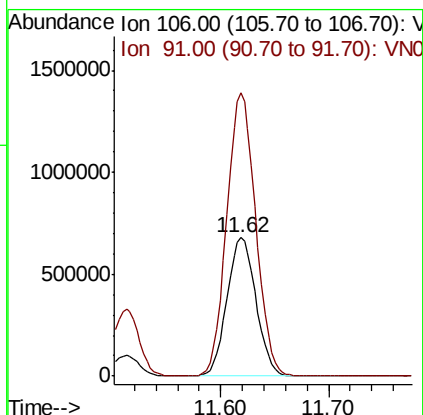
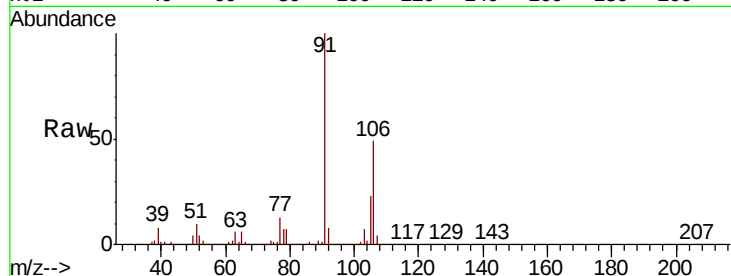




#68
m/p-Xylenes
Concen: 54.747 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052559.D
Acq: 29 Nov 2018 12:38

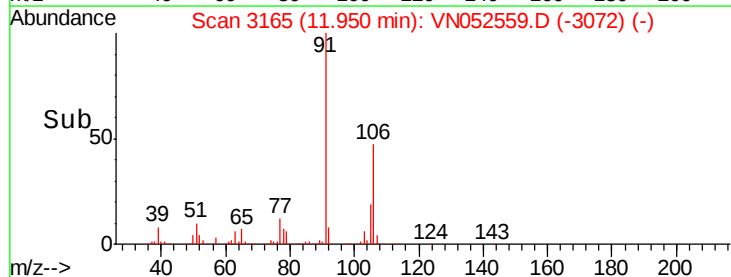
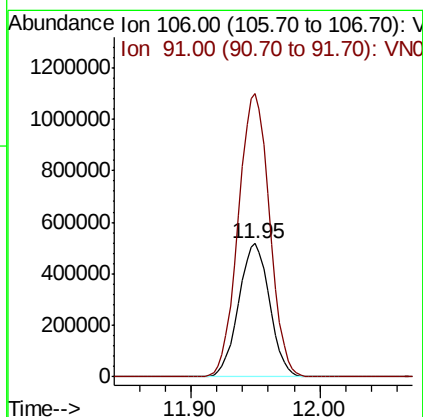
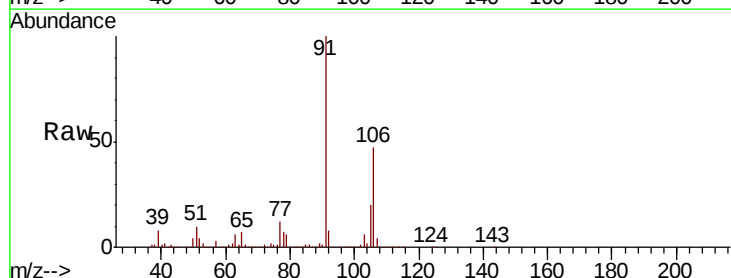
Instrument :
MSVOA_N
ClientSampled :
OILY-SOILDL

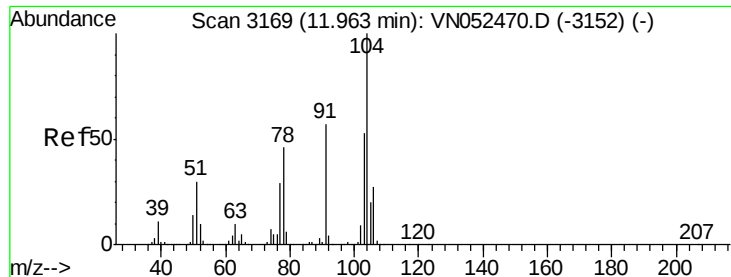
Tot Ion:106 Resp: 1271033
Ion Ratio Lower Upper
106 100
91 204.1 163.2 244.8



#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





#70

Stvrene

Concen: 1.212 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.01 min

Lab File: VN052559.D

Acq: 29 Nov 2018 12:38

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOILDL

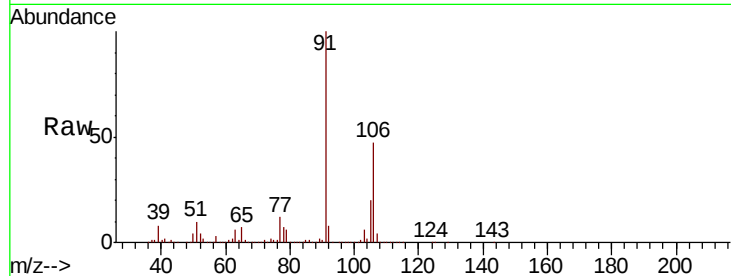
Tot Ion:104 Resp: 43511

Ion Ratio Lower Upper

104 100

78 277.7 39.4 59.2#

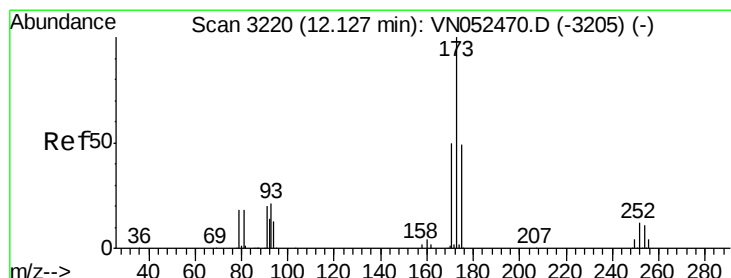
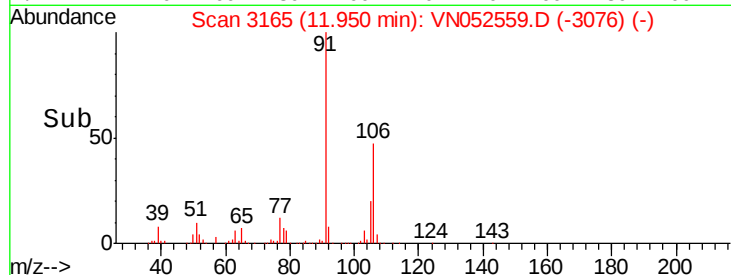
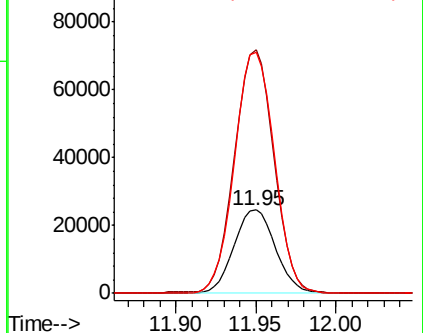
103 276.9 44.9 67.3#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.573 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN052559.D

Acq: 29 Nov 2018 12:38

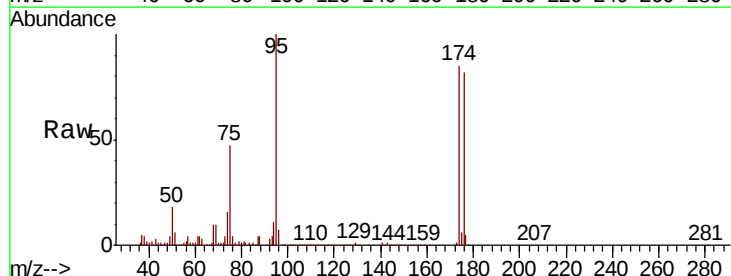
Tgt Ion:173 Resp: 4696

Ion Ratio Lower Upper

173 100

175 888.6 24.4 73.2#

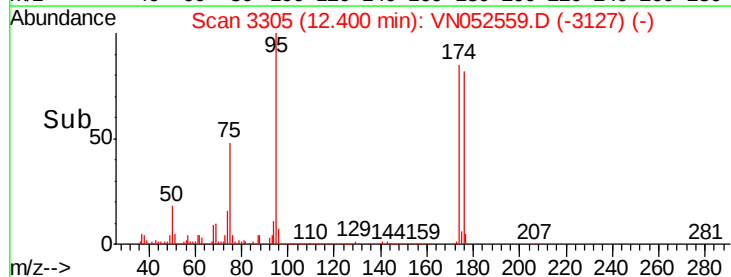
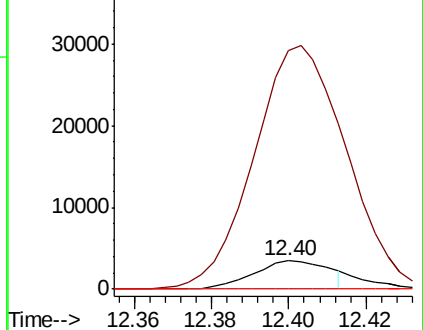
254 0.0 0.1 0.1#

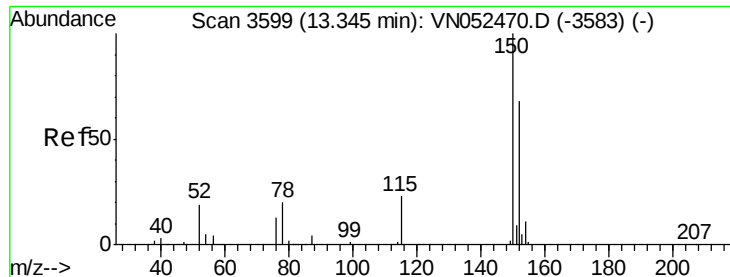


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#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

ClientSampleId :

OILY-SOILDL

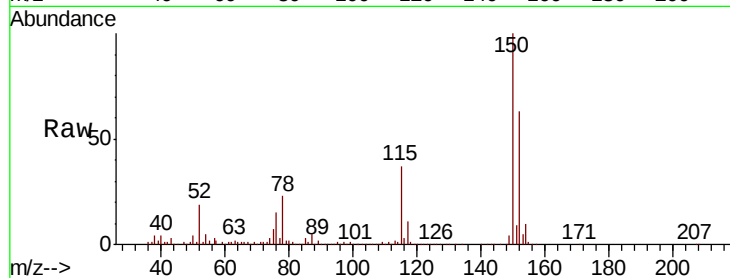
Tot Ion:152 Resp: 701126

Ion Ratio Lower Upper

152 100

115 58.9 28.4 85.2

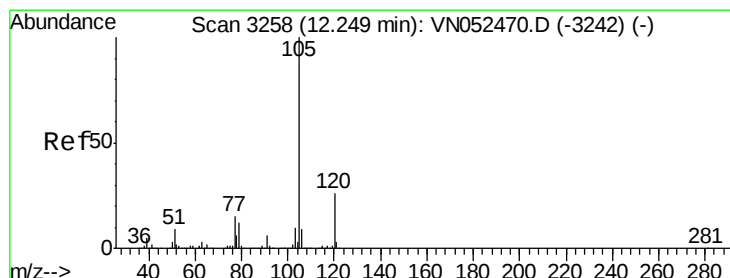
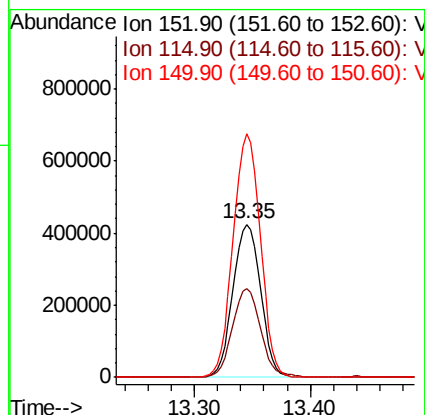
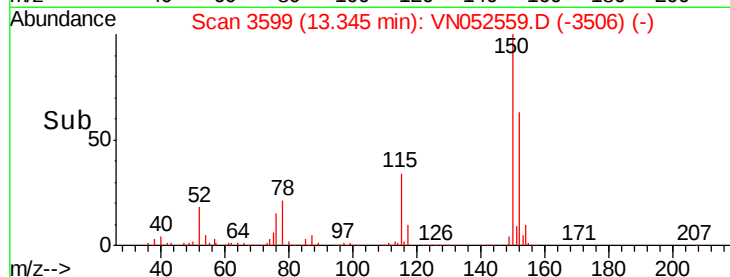
150 157.3 0.0 346.0



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



#73

Isopropylbenzene

Concen: 0.326 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN052559.D

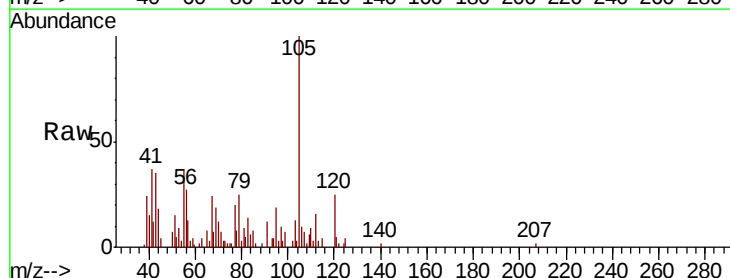
Acq: 29 Nov 2018 12:38

Tgt Ion:105 Resp: 17922

Ion Ratio Lower Upper

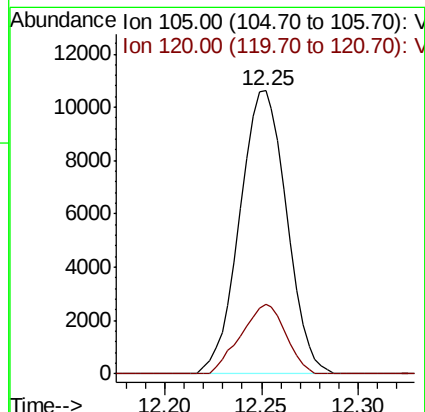
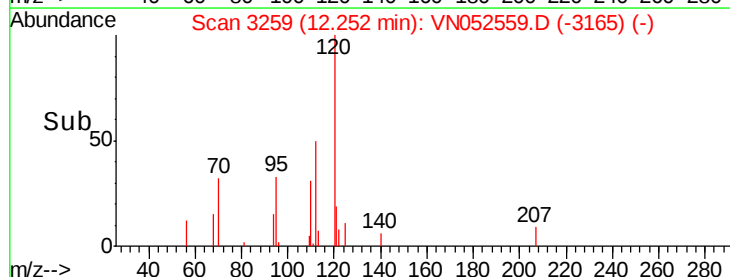
105 100

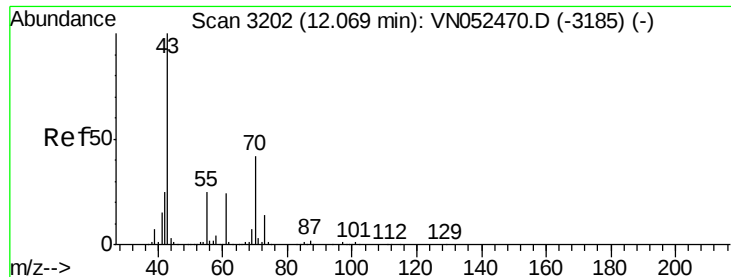
120 23.5 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 8.898 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN052559.D

Acq: 29 Nov 2018 12:38

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOILDL

Tot Ion: 43 Resp: 123661

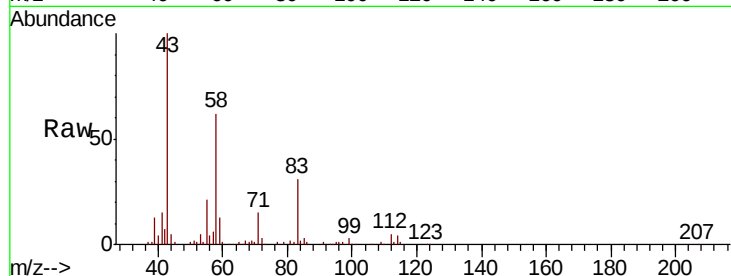
Ion Ratio Lower Upper

43 100

70 0.5 33.8 50.8#

55 21.9 20.0 30.0

61 0.0 19.7 29.5#

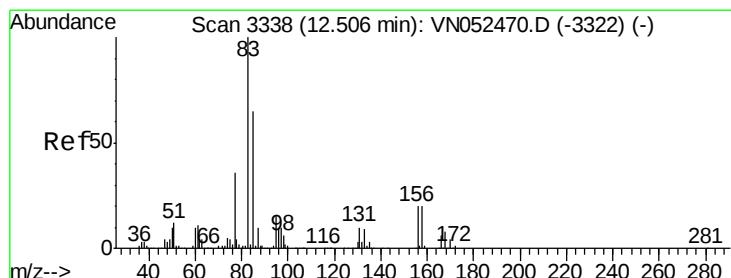
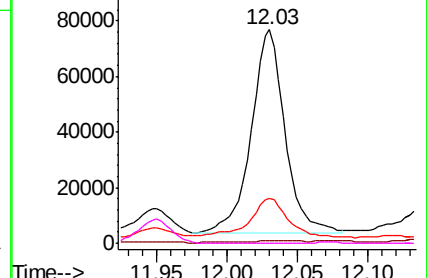
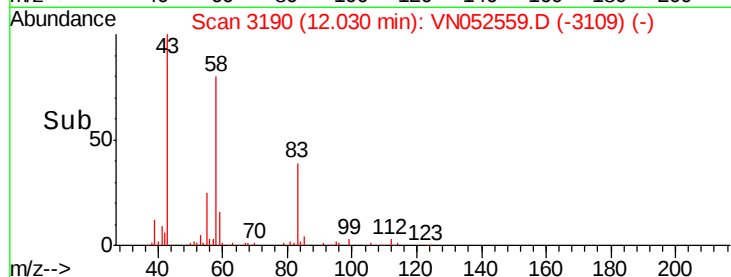


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.593 ug/l

RT: 12.52 min Scan# 3341

Delta R.T. 0.01 min

Lab File: VN052559.D

Acq: 29 Nov 2018 12:38

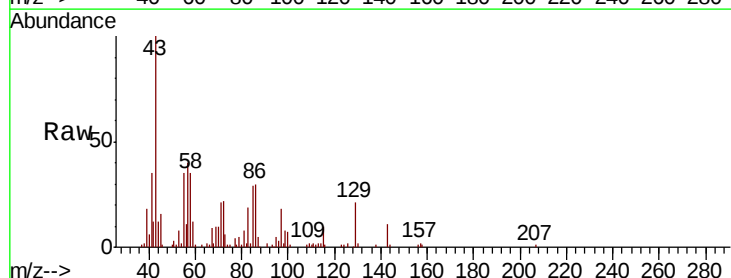
Tgt Ion: 83 Resp: 7417

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

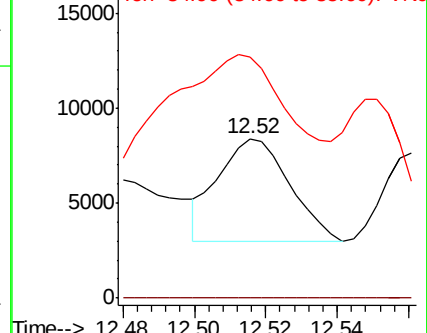
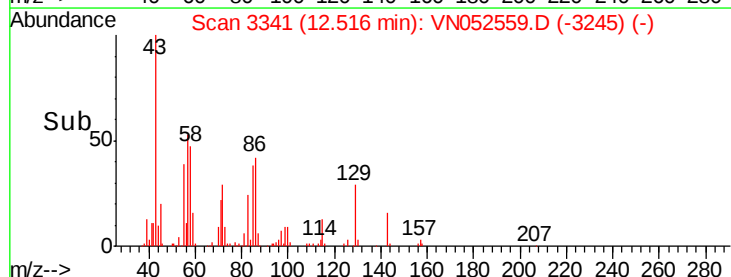
85 477.5 31.9 95.9#

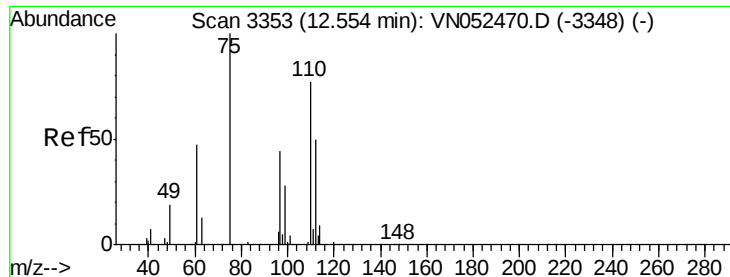


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 34.409 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052559.D

Acq: 29 Nov 2018 12:38

Instrument :

MSVOA_N

ClientSampled :

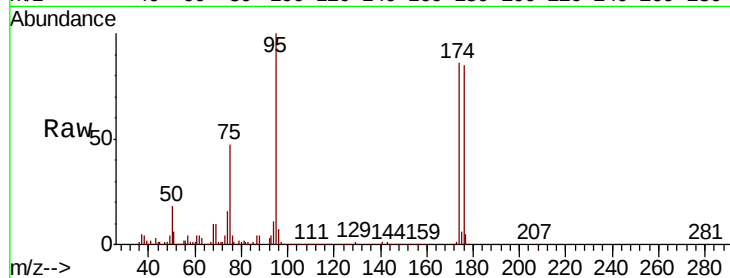
OILY-SOILDL

Tot Ion: 75 Resp: 372020

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

200000

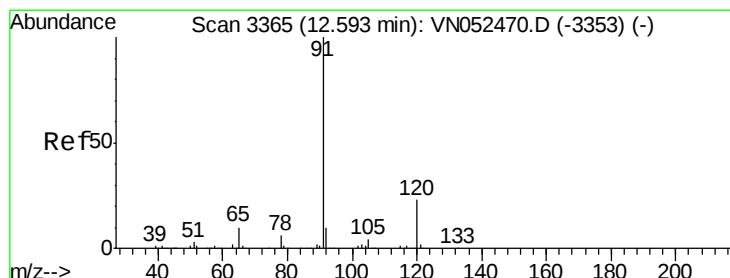
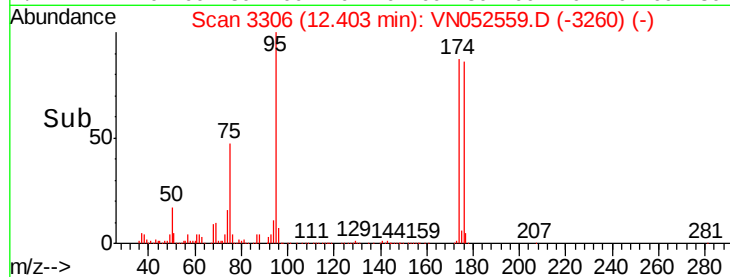
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#78

n-propylbenzene

Concen: 0.586 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052559.D

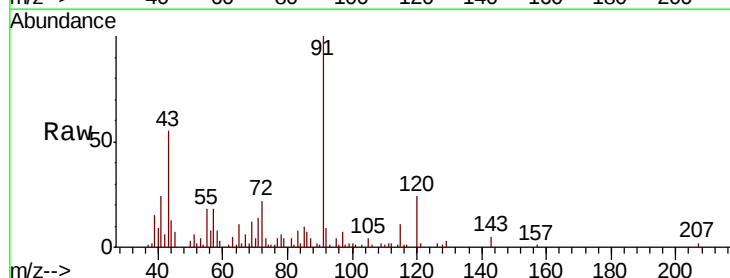
Acq: 29 Nov 2018 12:38

Tgt Ion: 91 Resp: 36646

Ion Ratio Lower Upper

91 100

120 24.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

50000

40000

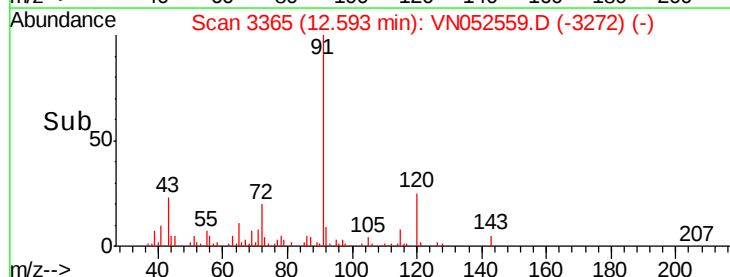
30000

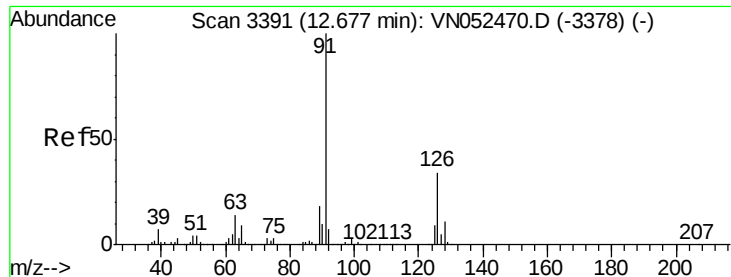
20000

10000

0

Time--> 12.55 12.60

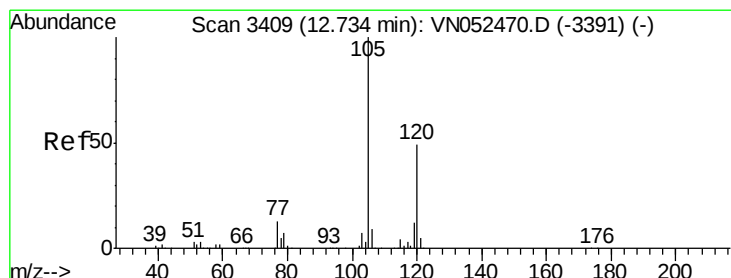
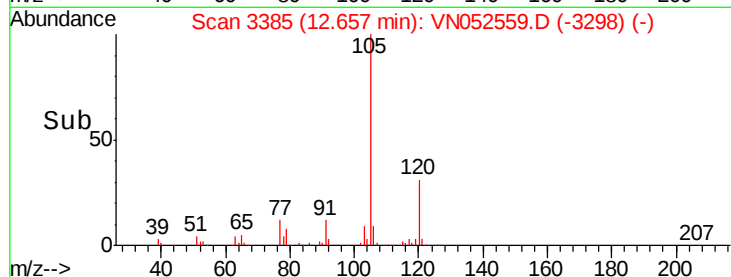
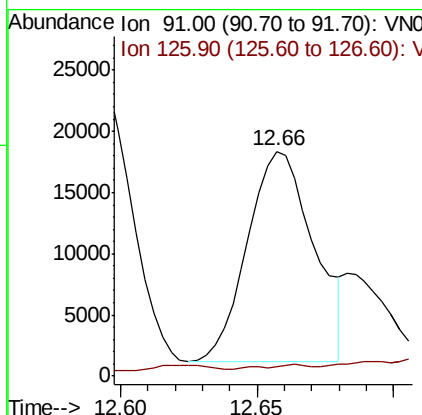
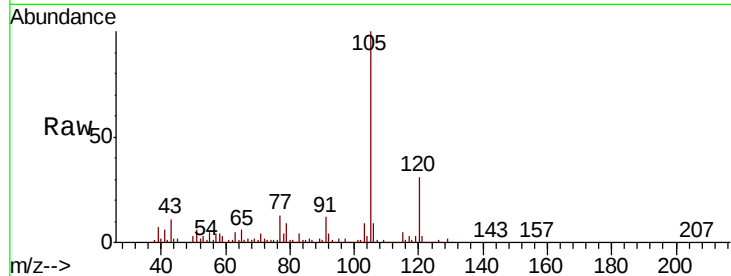




#79
 2-Chlorotoluene
 Concen: 0.783 ug/l
 RT: 12.66 min Scan# 3385
 Delta R.T. -0.02 min
 Lab File: VN052559.D
 Acq: 29 Nov 2018 12:38

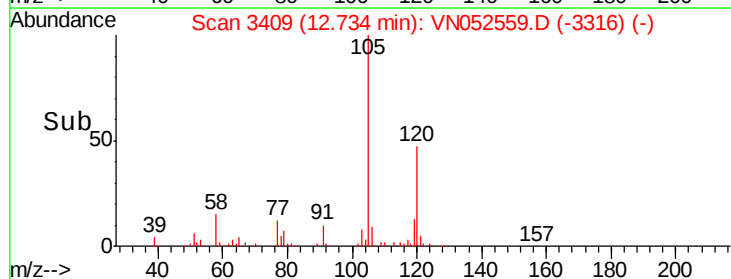
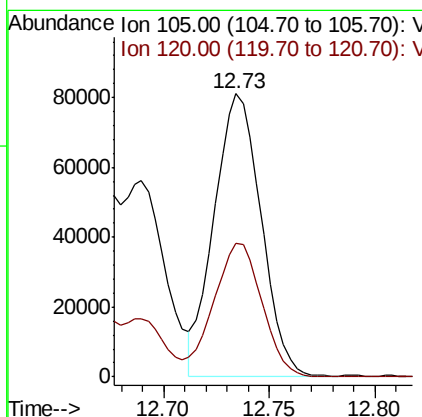
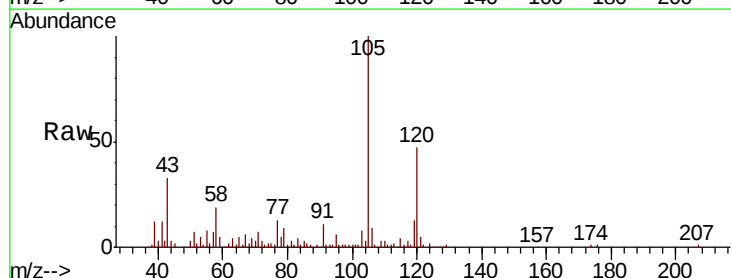
Instrument :
 MSVOA_N
 ClientSampled :
 OILY-SOILDL

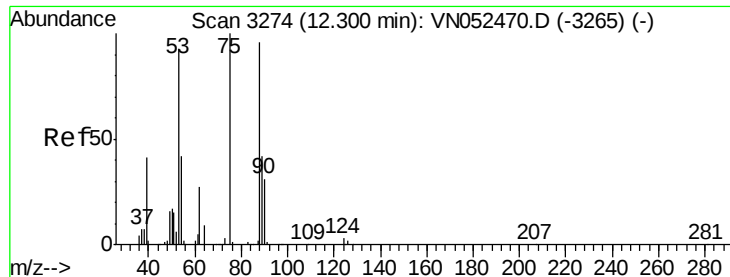
Tot Ion: 91 Resp: 29134
 Ion Ratio Lower Upper
 91 100
 126 1.4 17.2 51.6#



#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





#81

trans-1,4-Dichloro-2-butene

Concen: 114.909 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052559.D

Acq: 29 Nov 2018 12:38

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOILDL

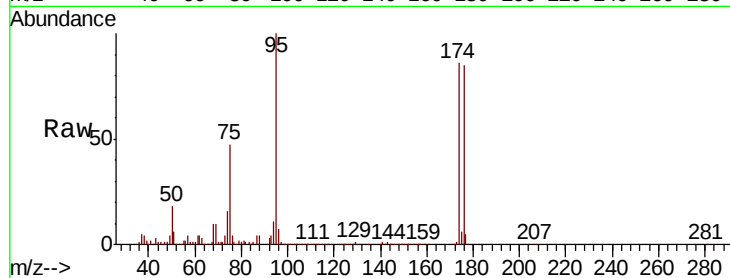
Tot Ion: 75 Resp: 372020

Ion Ratio Lower Upper

75 100

53 1.0 77.4 116.0#

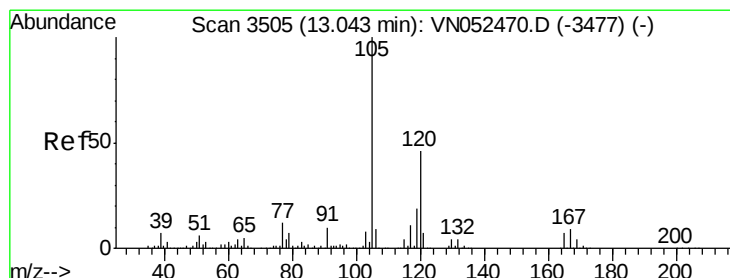
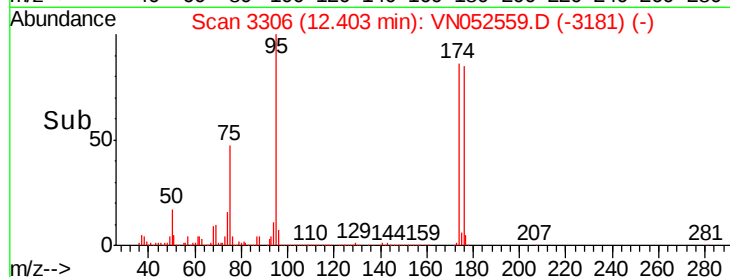
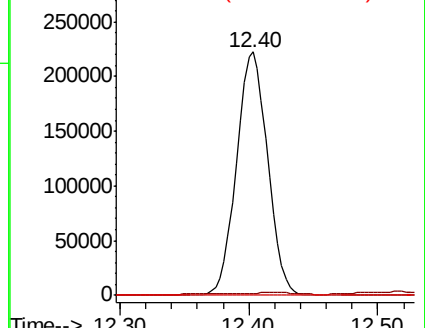
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN052470.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN052470.D (-3265) (-)



#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

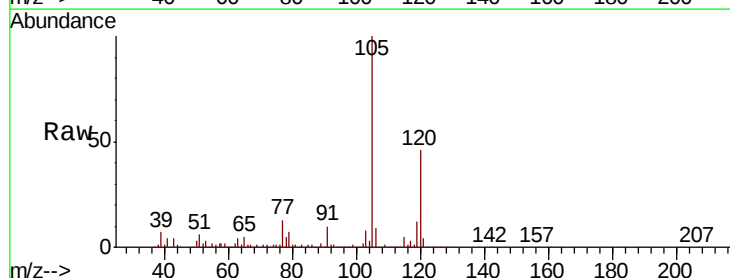
Acq: 29 Nov 2018 12:38

Tgt Ion: 105 Resp: 588322

Ion Ratio Lower Upper

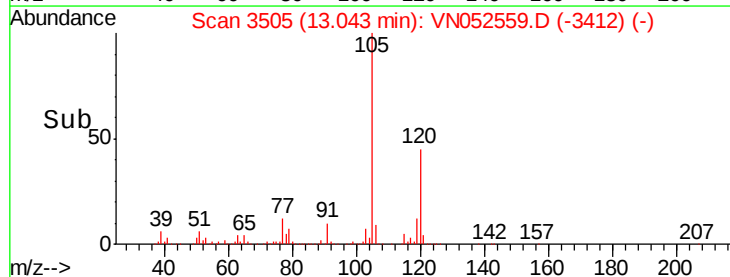
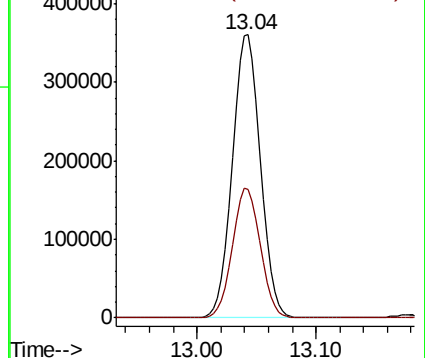
105 100

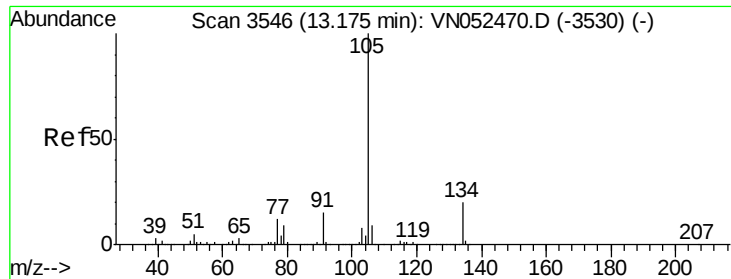
120 45.6 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): VN052470.D (-3477) (-)

Ion 120.00 (119.70 to 120.70): VN052470.D (-3477) (-)





#85

sec-Butylbenzene

Concen: 11.044 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. -0.13 min

Lab File: VN052559.D

Acq: 29 Nov 2018 12:38

Instrument :

MSVOA_N

ClientSampled :

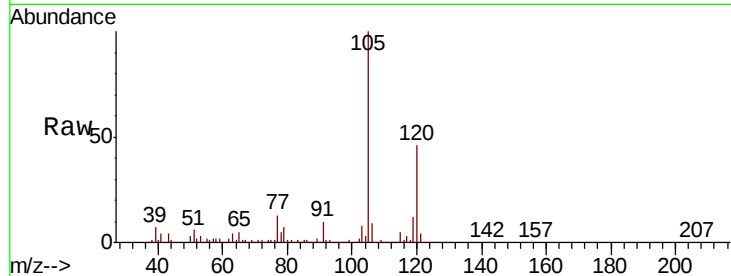
OILY-SOILDL

Tot Ion:105 Resp: 588322

Ion Ratio Lower Upper

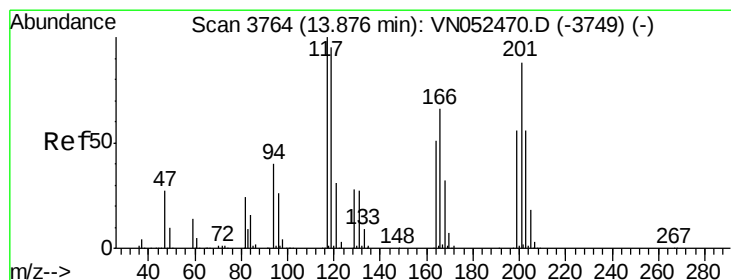
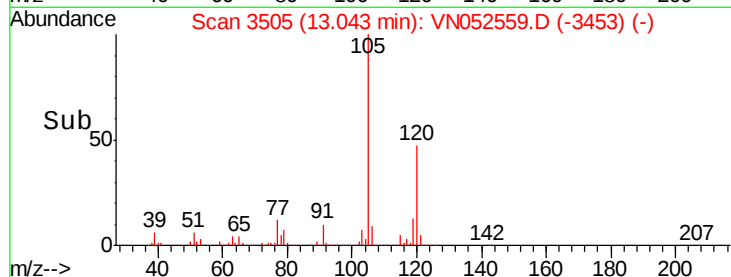
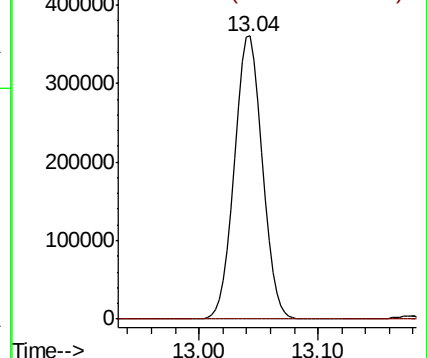
105 100

134 0.0 9.9 29.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 0.363 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN052559.D

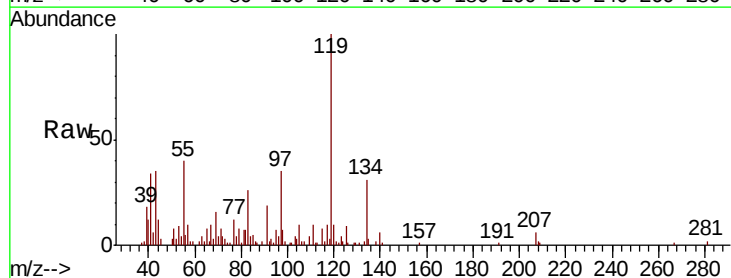
Acq: 29 Nov 2018 12:38

Tgt Ion:117 Resp: 2788

Ion Ratio Lower Upper

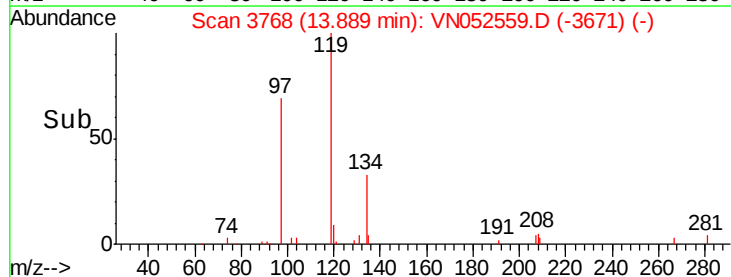
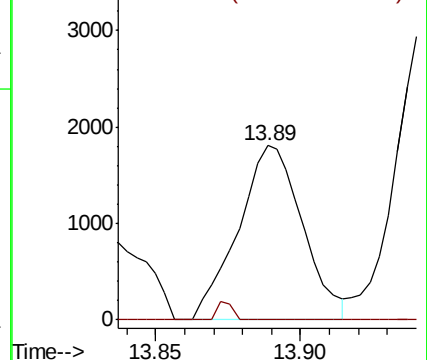
117 100

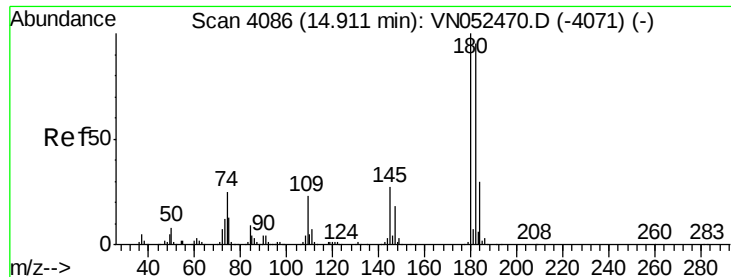
201 2.4 43.6 130.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#93

1,2,4-Trichlorobenzene

Concen: 3.315 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052559.D

Acq: 29 Nov 2018 12:38

Instrument :

MSVOA_N

ClientSampled :

OILY-SOILDL

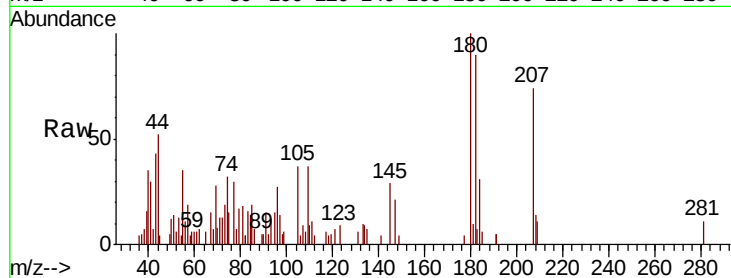
Tot Ion:180 Resp: 6406

Ion Ratio Lower Upper

180 100

182 96.1 47.8 143.4

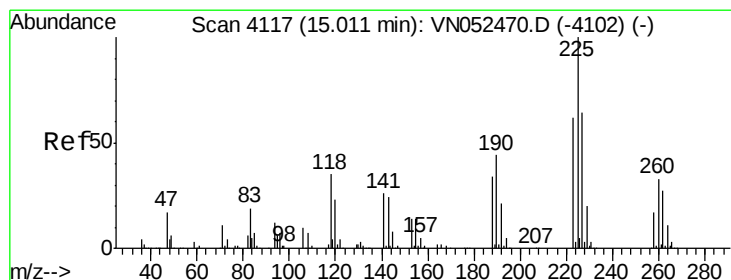
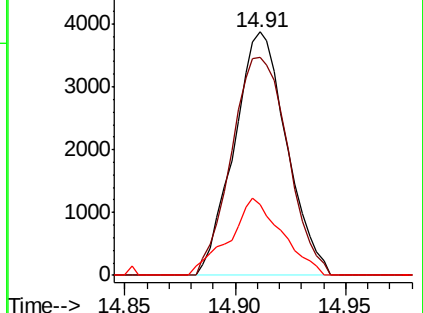
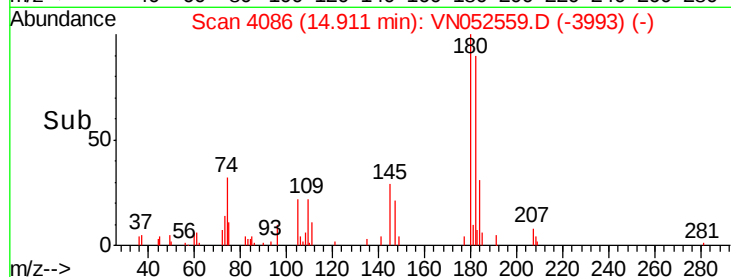
145 31.9 14.1 42.3



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



#94

Hexachlorobutadiene

Concen: 0.240 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN052559.D

Acq: 29 Nov 2018 12:38

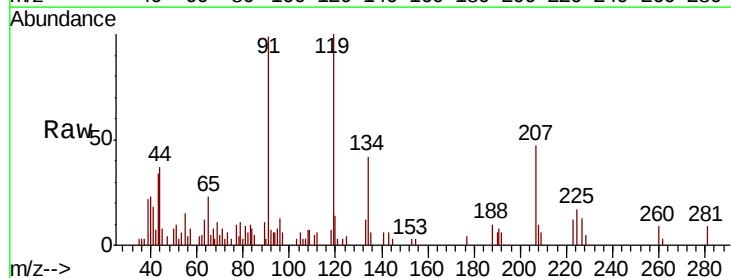
Tgt Ion:225 Resp: 1752

Ion Ratio Lower Upper

225 100

223 70.5 31.4 94.2

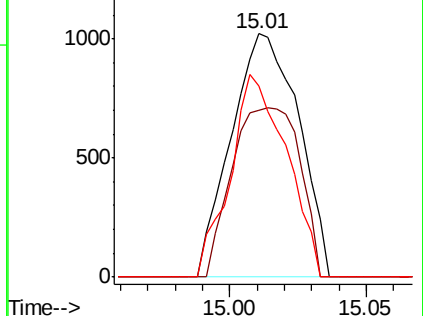
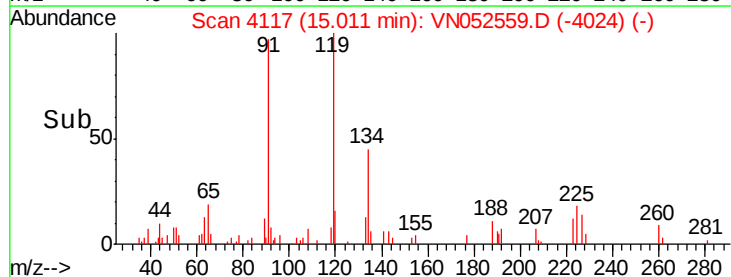
227 69.3 32.5 97.4

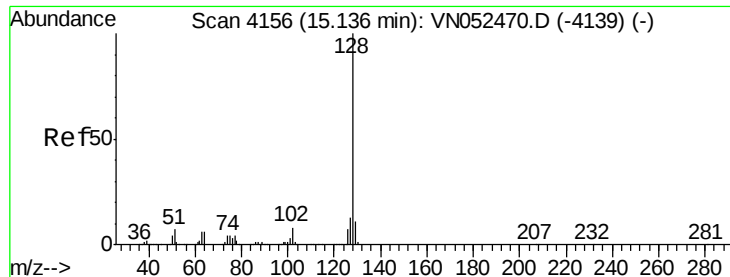


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#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

Instrument :

MSVOA_N

ClientSampled :

OILY-SOILDL

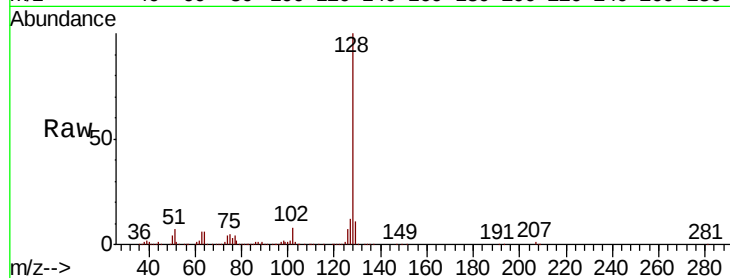
Tot Ion:128 Resp: 459768

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

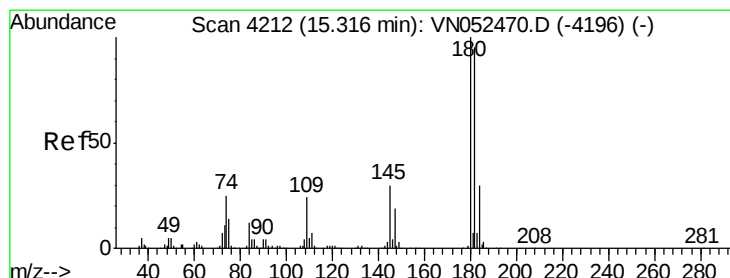
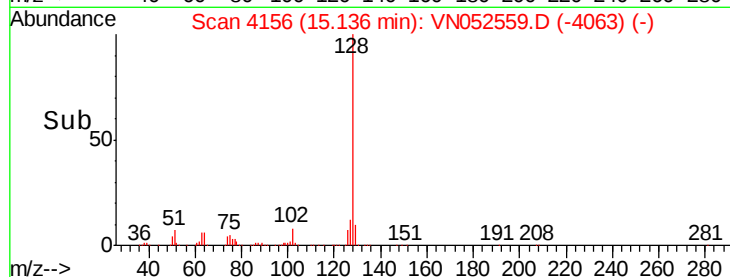
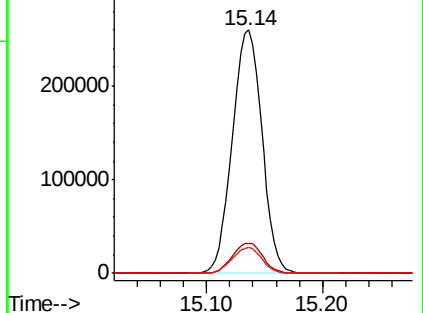
129 10.6 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 3.237 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN052559.D

Acq: 29 Nov 2018 12:38

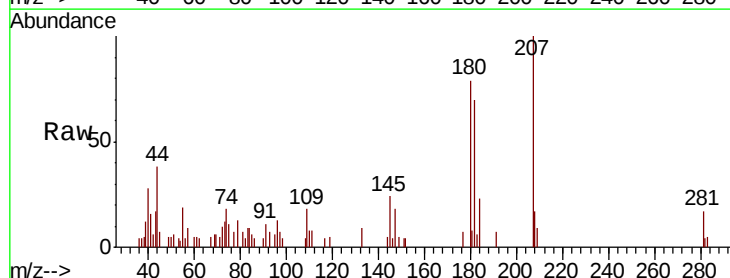
Tgt Ion:180 Resp: 6177

Ion Ratio Lower Upper

180 100

182 92.4 47.8 143.3

145 34.3 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

